

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082525\
 Data File : VY023205.D
 Acq On : 25 Aug 2025 11:34
 Operator : SY/MD
 Sample : Q2893-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Aug 26 00:12:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 26 00:10:39 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
 Supervised By :Semsettin Yesilyurt 08/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	439080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	707313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	606474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	291593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	207325	49.543	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.080%
35) Dibromofluoromethane	7.634	113	216411	51.133	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.260%
50) Toluene-d8	10.109	98	819157	49.544	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.080%
62) 4-Bromofluorobenzene	12.401	95	239571	45.055	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	12909	3.602	ug/l	90
3) Chloromethane	2.068	50	20747	3.574	ug/l	96
4) Vinyl Chloride	2.202	62	26494	3.692	ug/l	96
5) Bromomethane	2.598	94	24274	4.530	ug/l	96
6) Chloroethane	2.732	64	18527	3.884	ug/l	97
7) Trichlorofluoromethane	3.056	101	32110	3.680	ug/l	92
8) Diethyl Ether	3.458	74	9680	4.193	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.818	101	17443	4.052	ug/l	98
10) Methyl Iodide	4.007	142	14579	3.139	ug/l	98
11) Tert butyl alcohol	4.866	59	4876m	17.005	ug/l	
12) 1,1-Dichloroethene	3.787	96	16003	3.782	ug/l	96
13) Acrolein	3.659	56	662	1.576	ug/l #	81
14) Allyl chloride	4.385	41	20070m	3.224	ug/l	
15) Acrylonitrile	5.061	53	15777	16.811	ug/l	98
16) Acetone	3.866	43	21054	23.223	ug/l	96
17) Carbon Disulfide	4.110	76	43527	3.155	ug/l	100
18) Methyl Acetate	4.385	43	11002	4.078	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	34732	3.168	ug/l	94
20) Methylene Chloride	4.610	84	34261	6.295	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	16924	3.559	ug/l	93
22) Diisopropyl ether	6.025	45	40163	2.969	ug/l	96
23) Vinyl Acetate	5.964	43	100521	13.437	ug/l	98
24) 1,1-Dichloroethane	5.921	63	29882	3.613	ug/l	96
25) 2-Butanone	6.896	43	21606	17.523	ug/l #	85
26) 2,2-Dichloropropane	6.884	77	25615	3.589	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	19191	3.491	ug/l	97
28) Bromochloromethane	7.244	49	14018	4.272	ug/l	99
29) Tetrahydrofuran	7.262	42	11747	15.370	ug/l	99
30) Chloroform	7.421	83	32568	3.818	ug/l	96
31) Cyclohexane	7.707	56	30874	3.961	ug/l #	68
32) 1,1,1-Trichloroethane	7.616	97	28215	3.728	ug/l	98
36) 1,1-Dichloropropene	7.841	75	21351	3.395	ug/l	97
37) Ethyl Acetate	6.988	43	8917	3.375	ug/l	96
38) Carbon Tetrachloride	7.817	117	25339	3.709	ug/l	92
39) Methylcyclohexane	9.109	83	26988	3.258	ug/l	99
40) Benzene	8.079	78	69078	3.563	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	5506	3.611	ug/l #	70
42) 1,2-Dichloroethane	8.158	62	17432	3.457	ug/l	96
43) Isopropyl Acetate	8.201	43	16678	3.123	ug/l	98
44) Trichloroethene	8.866	130	18912	3.775	ug/l	97
45) 1,2-Dichloropropane	9.140	63	15768	3.535	ug/l	96
46) Dibromomethane	9.231	93	9306	3.635	ug/l	100
47) Bromodichloromethane	9.420	83	24210	3.675	ug/l	98
48) Methyl methacrylate	9.219	41	7611	2.978	ug/l	96
49) 1,4-Dioxane	9.231	88	1803	60.061	ug/l #	81
51) 4-Methyl-2-Pentanone	9.999	43	38158	13.852	ug/l	100
52) Toluene	10.170	92	43836	3.560	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	19159	3.212	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	22687	3.216	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	12318	3.596	ug/l	92
56) Ethyl methacrylate	10.438	69	12495	2.850	ug/l	98
57) 1,3-Dichloropropane	10.719	76	20088	3.457	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	28354	13.712	ug/l	99
59) 2-Hexanone	10.762	43	28024	14.940	ug/l	97
60) Dibromochloromethane	10.908	129	15698	3.473	ug/l	98
61) 1,2-Dibromoethane	11.011	107	11286	3.505	ug/l	96
64) Tetrachloroethene	10.646	164	20152	3.721	ug/l	97
65) Chlorobenzene	11.438	112	48495	3.707	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	16471	3.710	ug/l	97
67) Ethyl Benzene	11.518	91	72596	3.225	ug/l	99
68) m/p-Xylenes	11.627	106	56207	6.393	ug/l	94
69) o-Xylene	11.950	106	26809	3.256	ug/l	92
70) Styrene	11.969	104	40250	2.989	ug/l	99
71) Bromoform	12.127	173	9384	3.616	ug/l #	98
73) Isopropylbenzene	12.255	105	65958	3.205	ug/l	99
74) N-amyl acetate	12.072	43	11052	2.532	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.505	83	12673	3.606	ug/l	95
76) 1,2,3-Trichloropropane	12.554	75	10822m	3.846	ug/l	
77) Bromobenzene	12.530	156	18722	3.813	ug/l	96
78) n-propylbenzene	12.590	91	82063	3.349	ug/l	99
79) 2-Chlorotoluene	12.676	91	48076	3.425	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	52701	3.168	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	3570m	3.071	ug/l	
82) 4-Chlorotoluene	12.773	91	51328	3.524	ug/l	99
83) tert-Butylbenzene	12.993	119	46260	3.079	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	49477	2.988	ug/l	96
85) sec-Butylbenzene	13.170	105	71020	3.218	ug/l	100
86) p-Isopropyltoluene	13.292	119	56699	3.095	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	35724	3.690	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	36324	3.782	ug/l	94
89) n-Butylbenzene	13.615	91	53376	3.173	ug/l	98
90) Hexachloroethane	13.877	117	14783	3.942	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	30939	3.644	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2150	3.930	ug/l	87
93) 1,2,4-Trichlorobenzene	14.913	180	17124	3.410	ug/l	99
94) Hexachlorobutadiene	15.023	225	11776	3.991	ug/l	96
95) Naphthalene	15.139	128	22628	2.643	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	14604	3.375	ug/l	97

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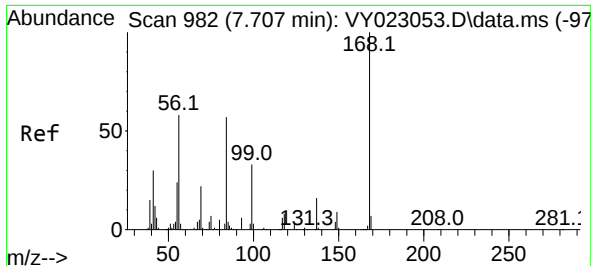
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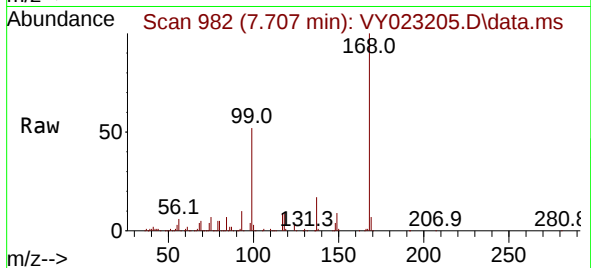
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
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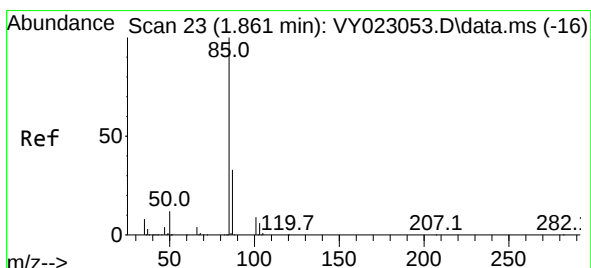
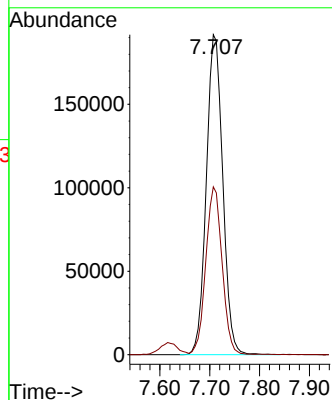
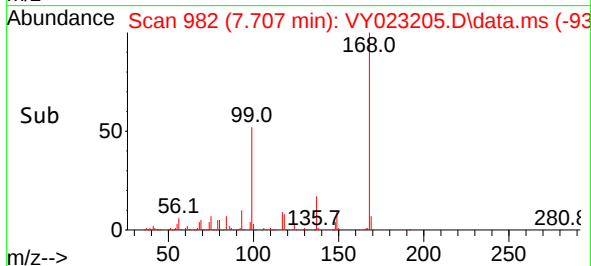
Instrument :
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Tgt Ion:168 Resp: 439080
Ion Ratio Lower Upper
168 100
99 52.4 42.8 64.2

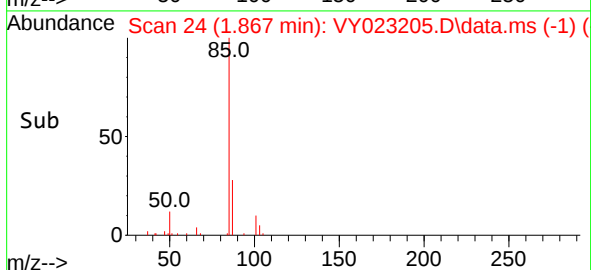
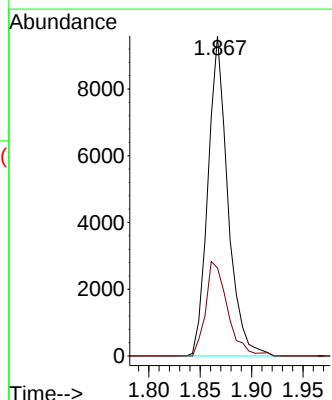
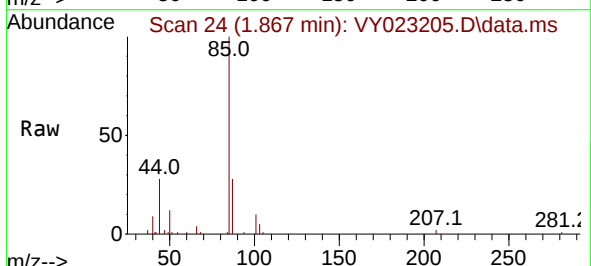
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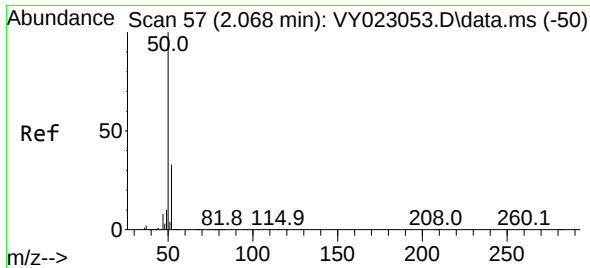
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#2
Dichlorodifluoromethane
Concen: 3.602 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

Tgt Ion: 85 Resp: 12909
Ion Ratio Lower Upper
85 100
87 27.5 16.6 49.8





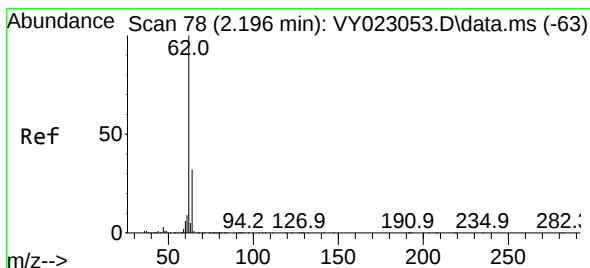
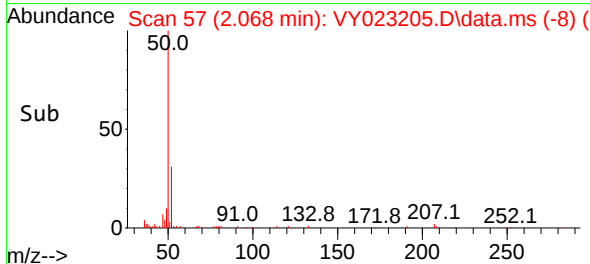
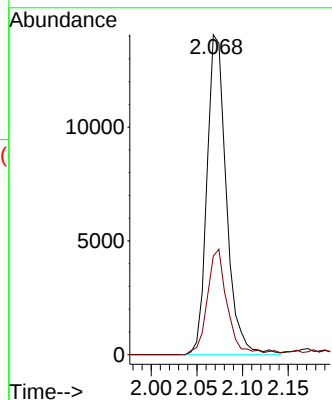
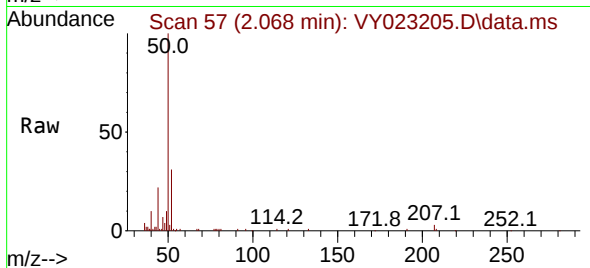
#3
Chloromethane
Concen: 3.574 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

Instrument :
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Tgt Ion: 50 Resp: 2074
Ion Ratio Lower Upper
50 100
52 30.9 26.7 40.1

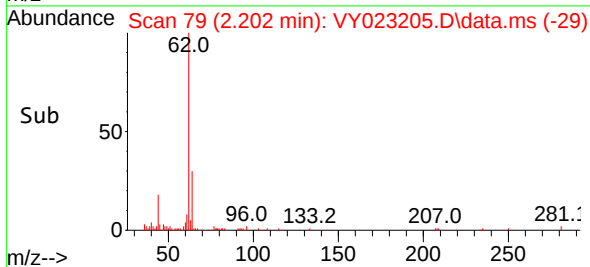
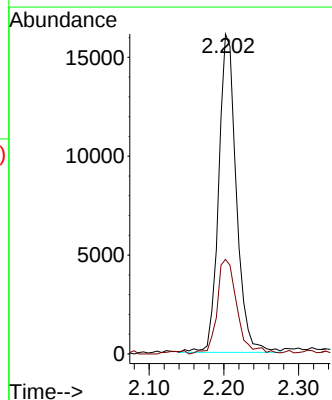
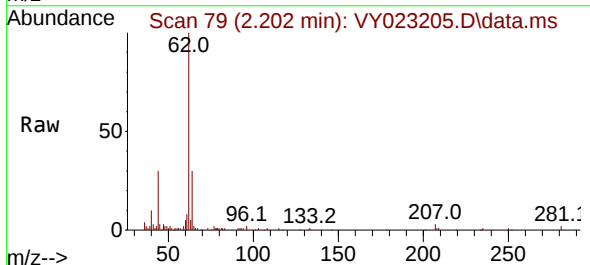
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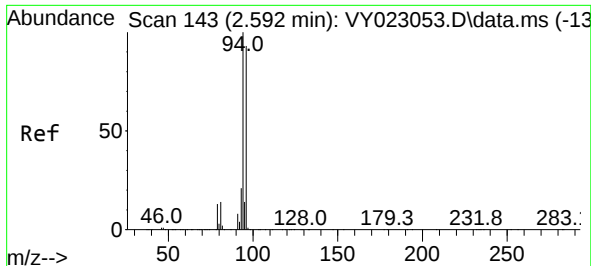
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#4
Vinyl Chloride
Concen: 3.692 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

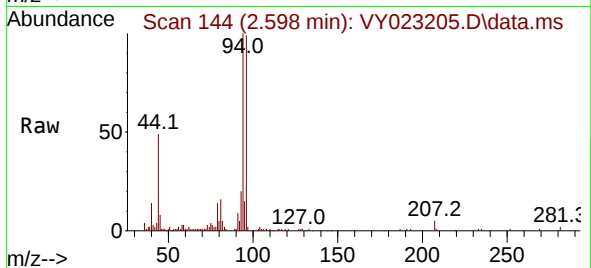
Tgt Ion: 62 Resp: 26494
Ion Ratio Lower Upper
62 100
64 29.3 25.4 38.0





#5
Bromomethane
Concen: 4.530 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

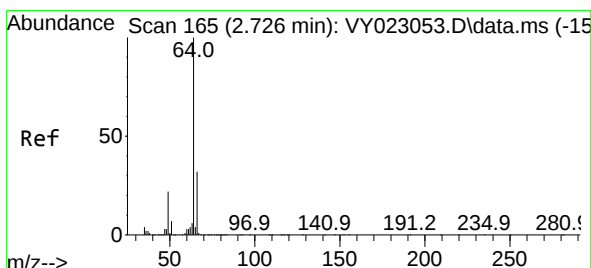
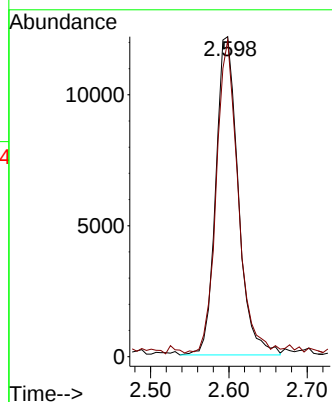
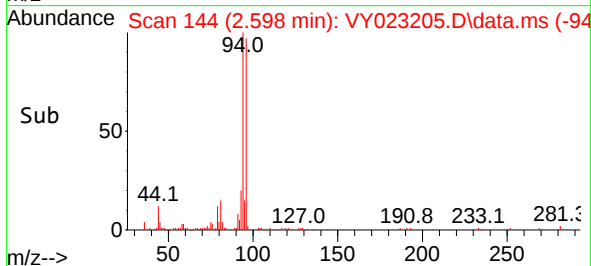
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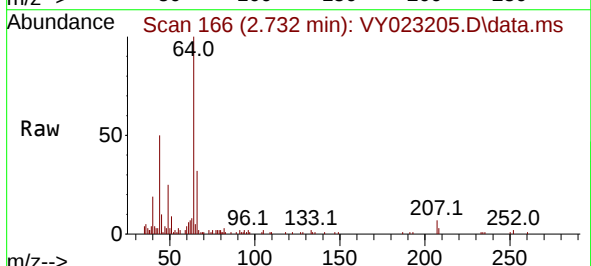
Tgt Ion: 94 Resp: 24274
Ion Ratio Lower Upper
94 100
96 97.4 74.6 112.0

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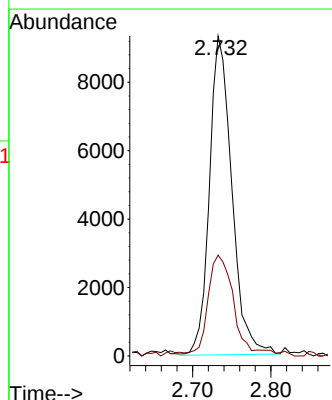
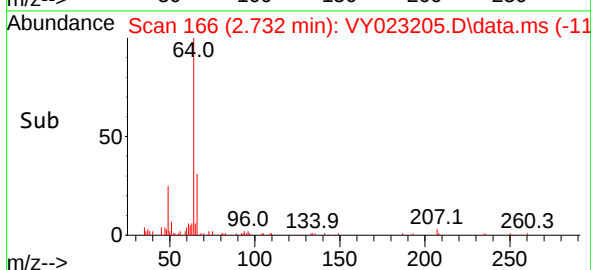
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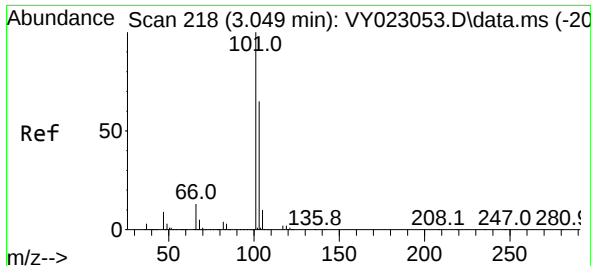


#6
Chloroethane
Concen: 3.884 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.006 min
Lab File: VY023205.D
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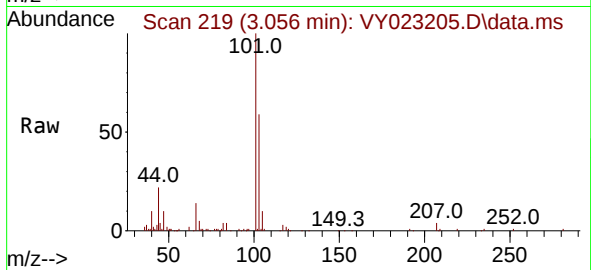
Tgt Ion: 64 Resp: 18527
Ion Ratio Lower Upper
64 100
66 30.7 25.8 38.6





#7
 Trichlorofluoromethane
 Concen: 3.680 ug/l
 RT: 3.056 min Scan# 211
 Delta R.T. 0.006 min
 Lab File: VY023205.D
 Acq: 25 Aug 2025 11:34

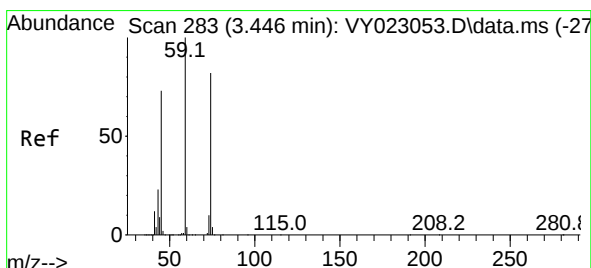
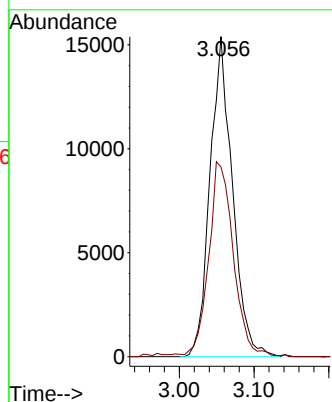
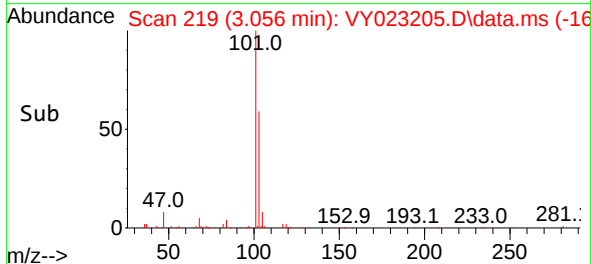
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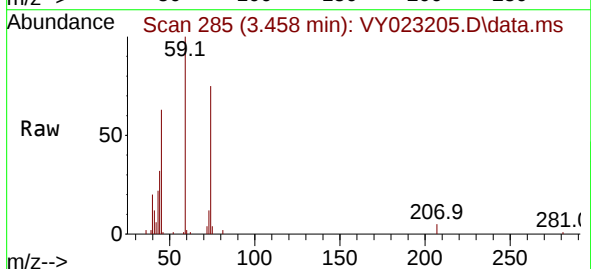
Tgt Ion:101 Resp: 32110
 Ion Ratio Lower Upper
 101 100
 103 58.9 51.9 77.9

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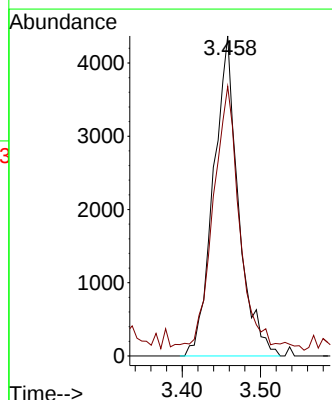
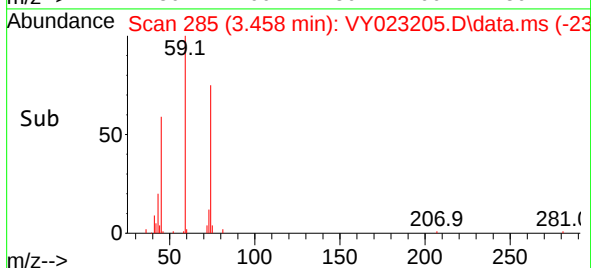
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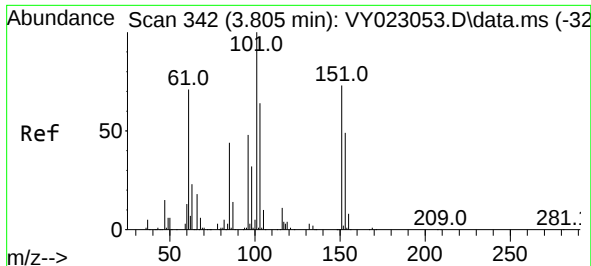


#8
 Diethyl Ether
 Concen: 4.193 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.012 min
 Lab File: VY023205.D
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Tgt Ion: 74 Resp: 9680
 Ion Ratio Lower Upper
 74 100
 45 80.7 44.4 133.2





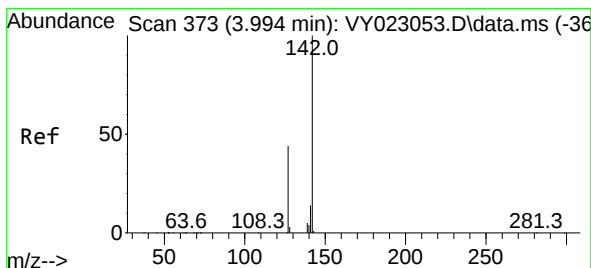
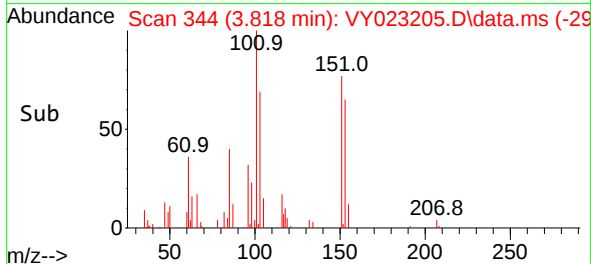
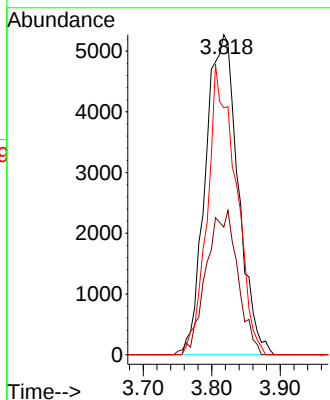
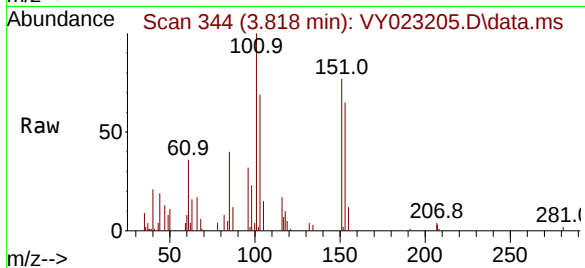
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.052 ug/l
RT: 3.818 min Scan# 342
Delta R.T. 0.012 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:101 Resp: 1744
Ion Ratio Lower Upper
101 100
85 43.8 36.3 54.5
151 79.0 61.5 92.3

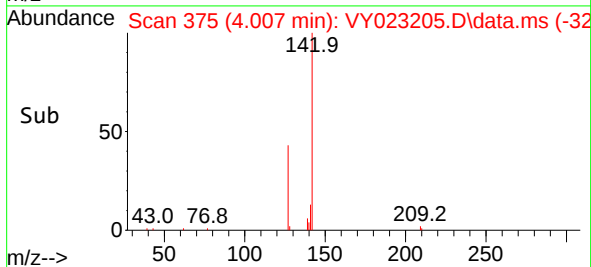
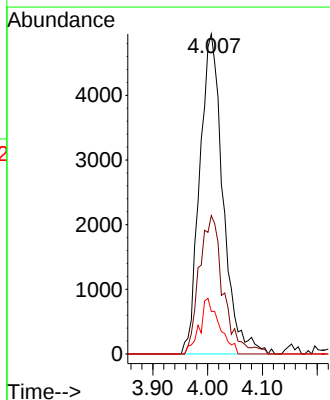
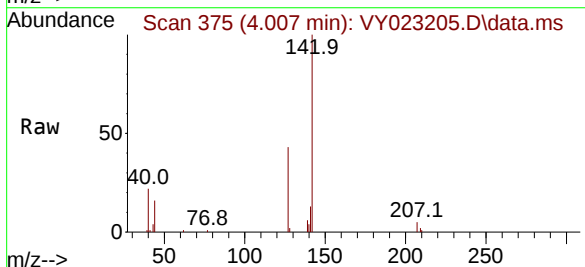
Manual Integrations
APPROVED

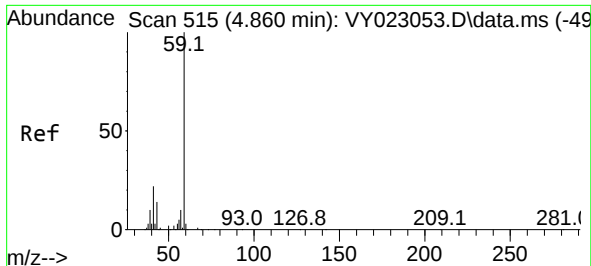
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#10
Methyl Iodide
Concen: 3.139 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

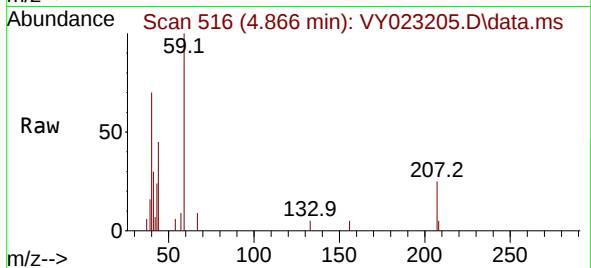
Tgt Ion:142 Resp: 14579
Ion Ratio Lower Upper
142 100
127 44.7 34.9 52.3
141 14.8 11.3 16.9





#11
Tert butyl alcohol
Concen: 17.005 ug/l m
RT: 4.866 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

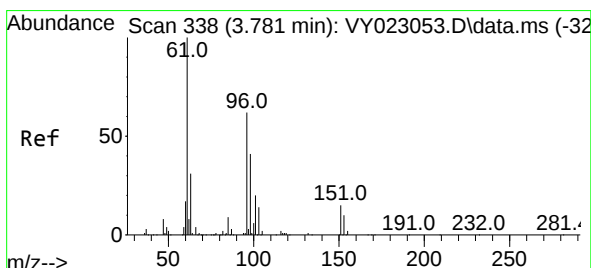
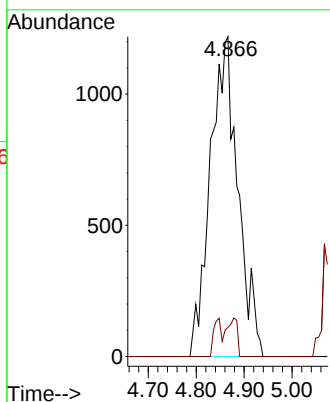
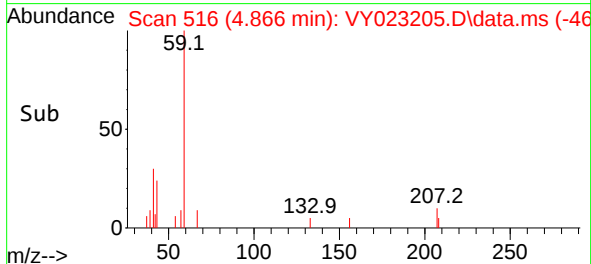
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



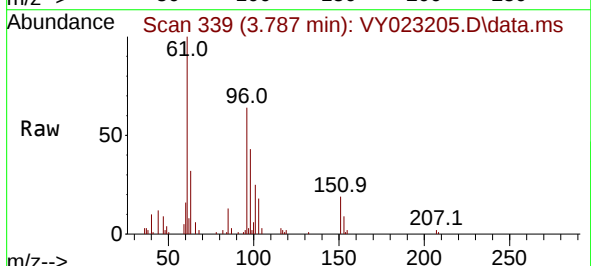
Tgt Ion: 59 Resp: 4870
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0

Manual Integrations
APPROVED

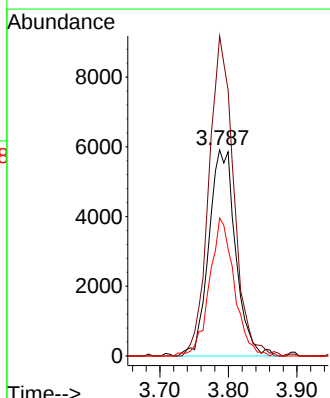
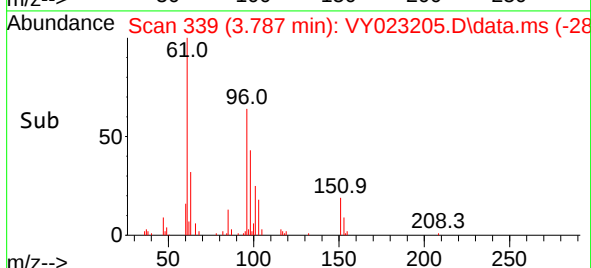
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025

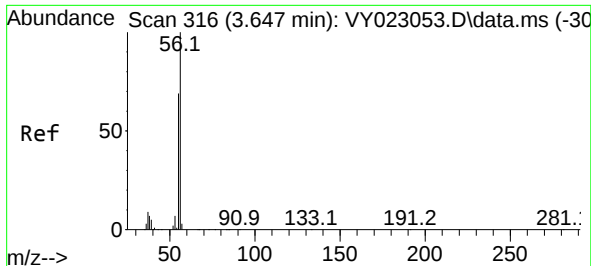


#12
1,1-Dichloroethene
Concen: 3.782 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34



Tgt Ion: 96 Resp: 16003
Ion Ratio Lower Upper
96 100
61 155.2 129.4 194.2
98 66.9 52.8 79.2





#13

Acrolein

Concen: 1.576 ug/l

RT: 3.659 min Scan# 316

Delta R.T. 0.012 min

Lab File: VY023205.D

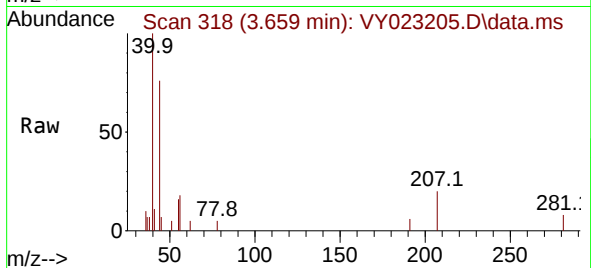
Acq: 25 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 56 Resp: 662

Ion Ratio Lower Upper

56 100

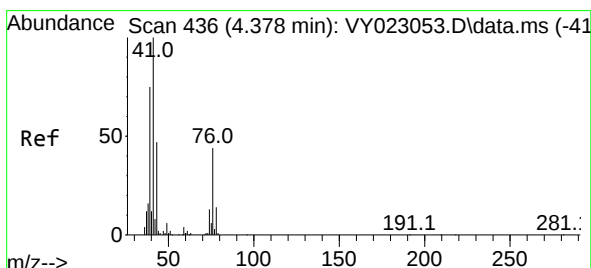
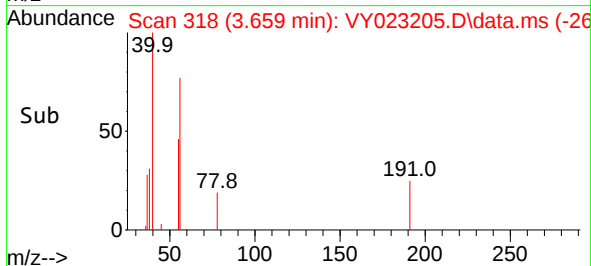
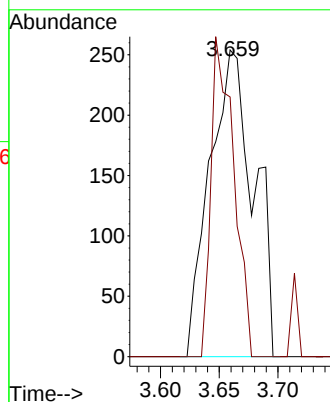
55 53.8 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025

Supervised By :Semsettin Yesilyurt 08/26/2025



#14

Allyl chloride

Concen: 3.224 ug/l m

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

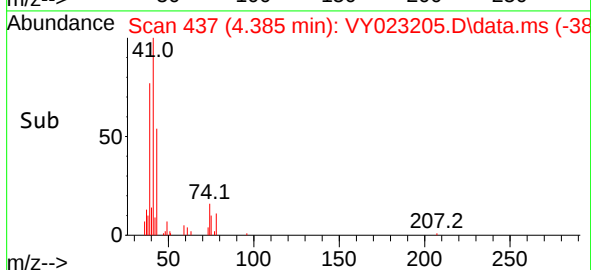
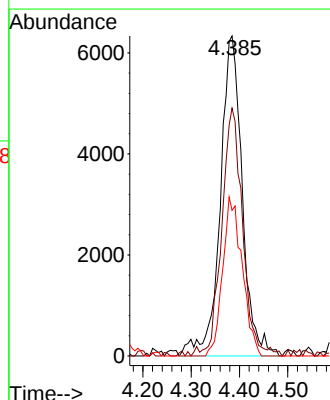
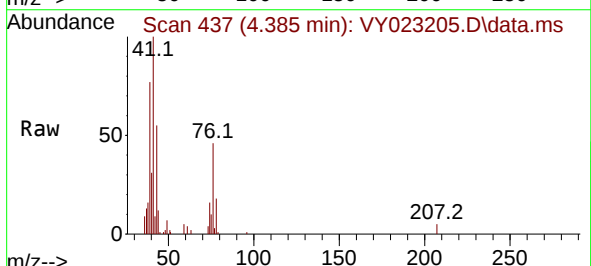
Tgt Ion: 41 Resp: 20070

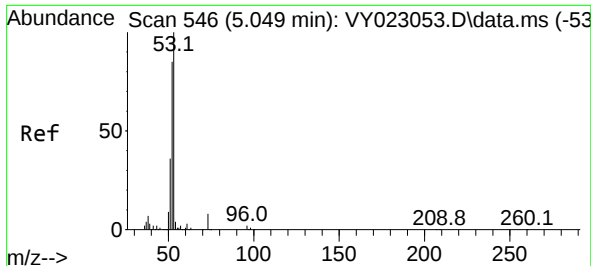
Ion Ratio Lower Upper

41 100

39 72.8 59.8 89.6

76 44.0 33.7 50.5





#15

Acrylonitrile

Concen: 16.811 ug/l

RT: 5.061 min Scan# 54

Delta R.T. 0.012 min

Lab File: VY023205.D

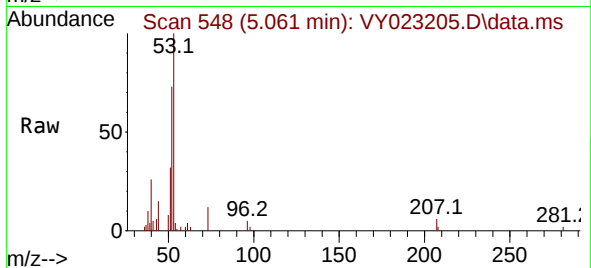
Acq: 25 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

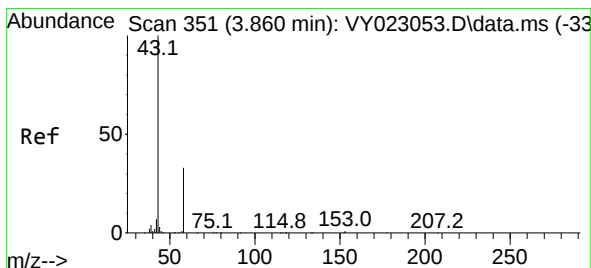
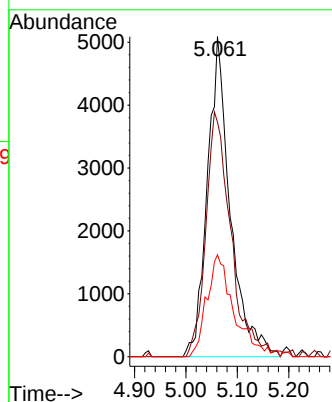


Tgt Ion:	53	Resp:	1577
Ion Ratio	100	Lower	Upper
52	83.1	65.3	97.9
51	37.8	29.5	44.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#16

Acetone

Concen: 23.223 ug/l

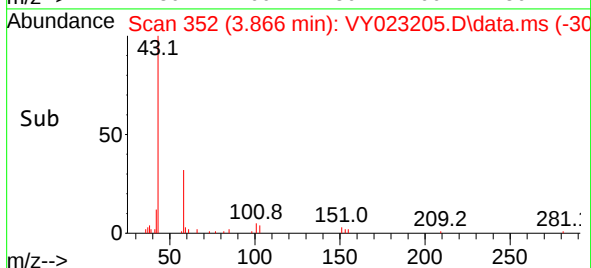
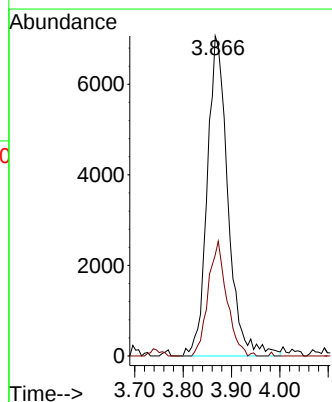
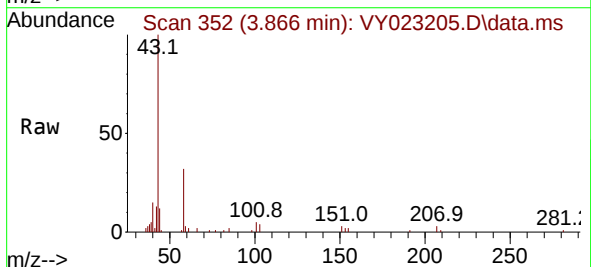
RT: 3.866 min Scan# 352

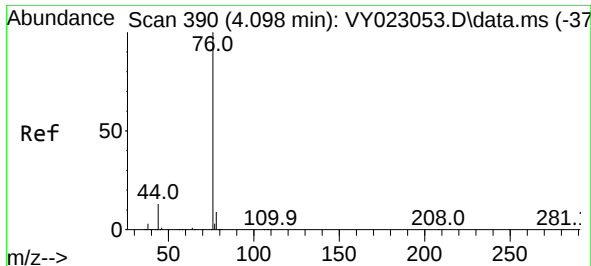
Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

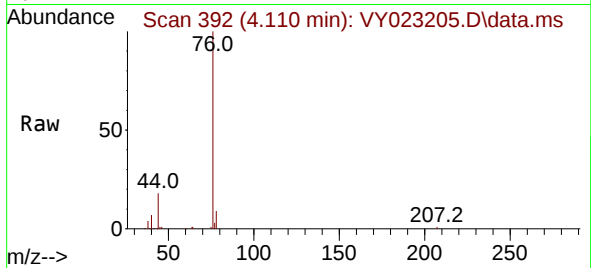
Tgt Ion:	43	Resp:	21054
Ion Ratio	100	Lower	Upper
58	31.6	27.1	40.7





#17
Carbon Disulfide
Concen: 3.155 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

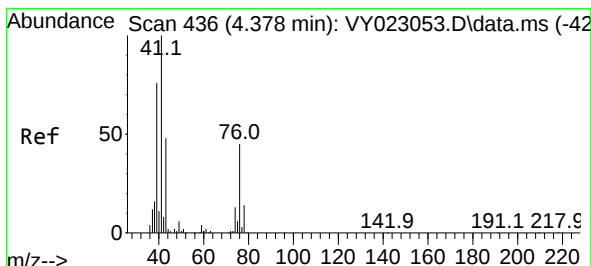
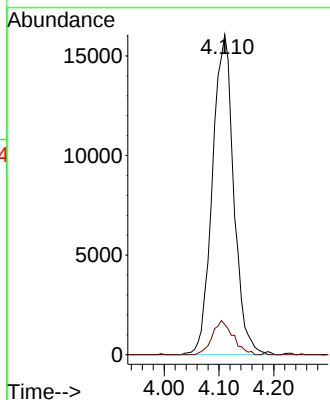
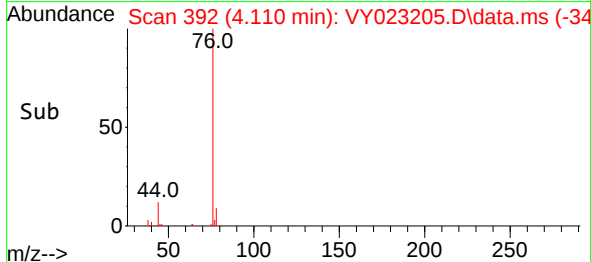
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 76 Resp: 4352
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2

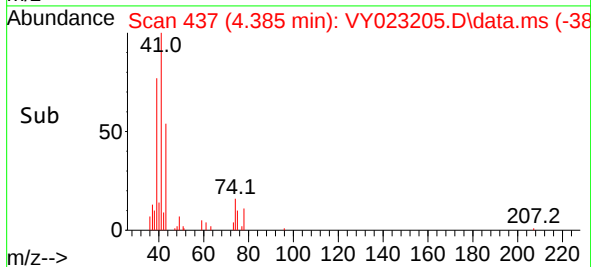
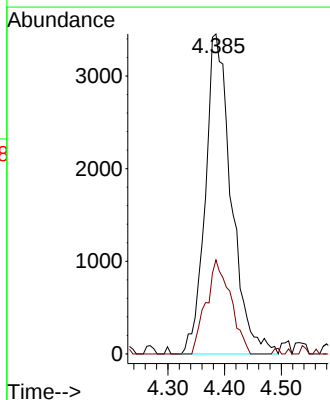
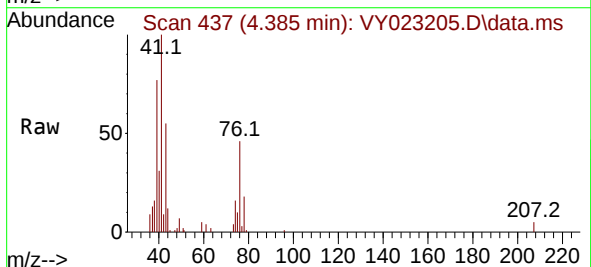
Manual Integrations
APPROVED

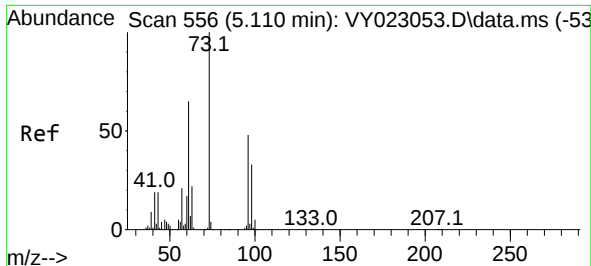
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#18
Methyl Acetate
Concen: 4.078 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.007 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

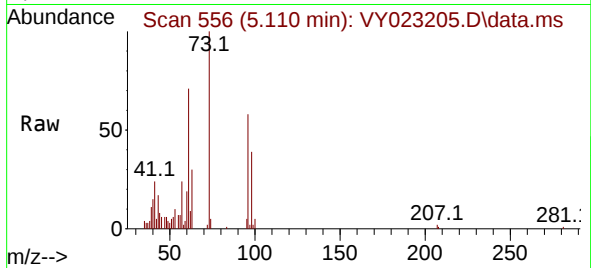
Tgt Ion: 43 Resp: 11002
Ion Ratio Lower Upper
43 100
74 27.7 21.2 31.8





#19
Methyl tert-butyl Ether
Concen: 3.168 ug/l
RT: 5.110 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

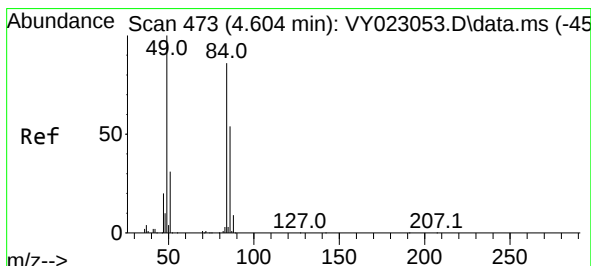
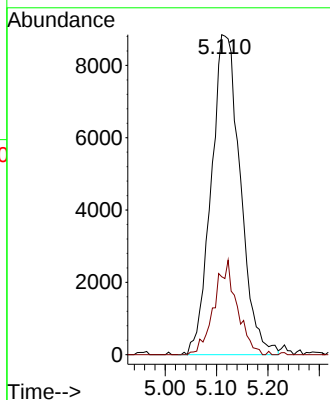
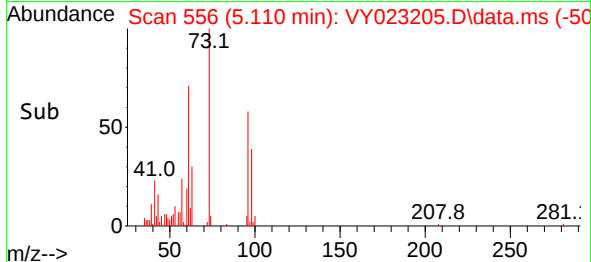
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



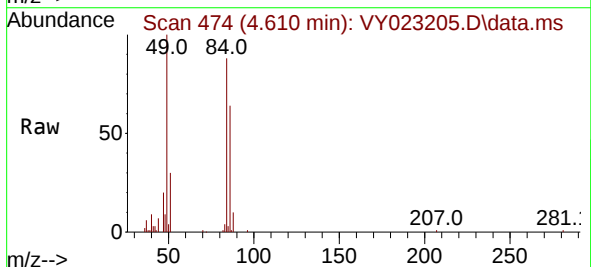
Tgt Ion: 73 Resp: 3473
Ion Ratio Lower Upper
73 100
57 24.4 17.1 25.7

Manual Integrations
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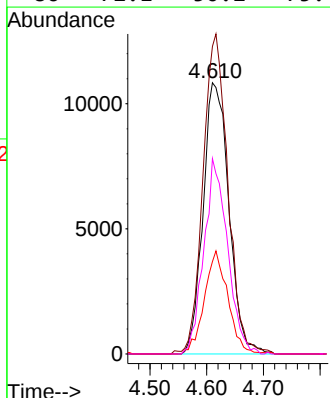
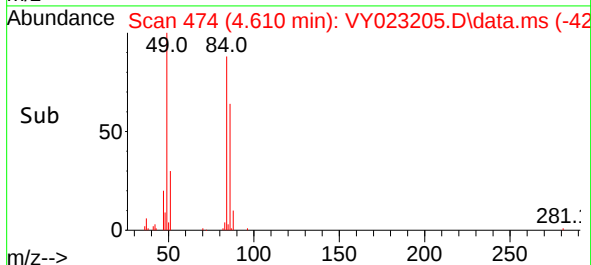
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025

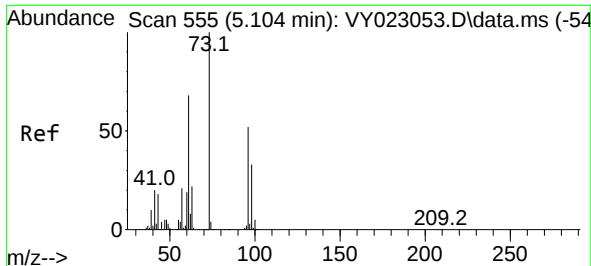


#20
Methylene Chloride
Concen: 6.295 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34



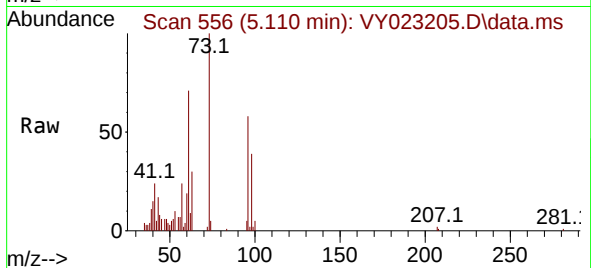
Tgt Ion: 84 Resp: 34261
Ion Ratio Lower Upper
84 100
49 113.4 93.0 139.6
51 34.0 29.0 43.4
86 72.1 50.2 75.4





#21
trans-1,2-Dichloroethene
Concen: 3.559 ug/l
RT: 5.110 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

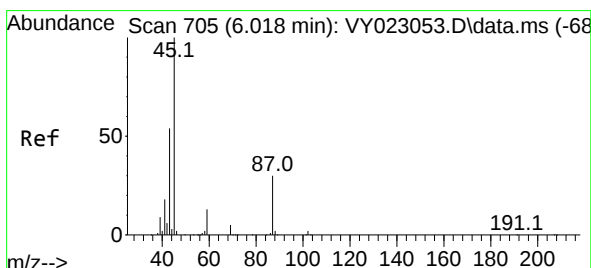
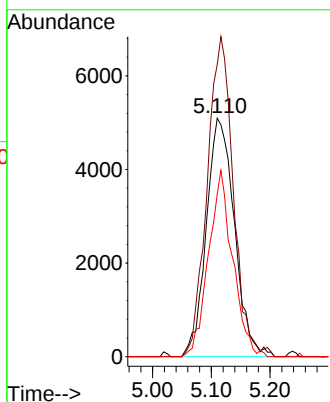
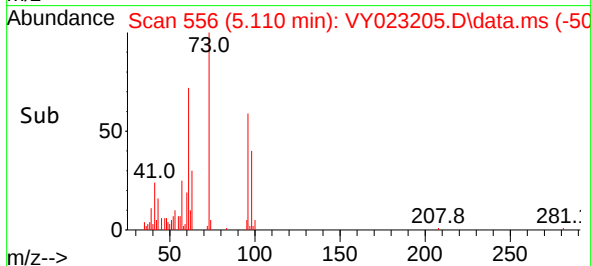
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



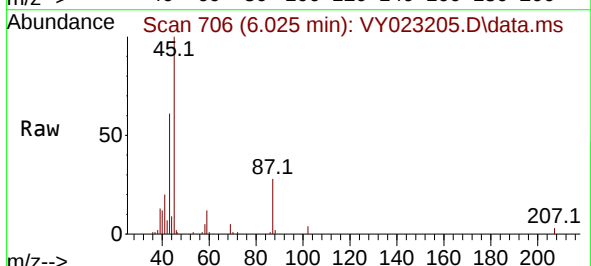
Tgt Ion: 96 Resp: 16924
Ion Ratio Lower Upper
96 100
61 122.5 104.8 157.2
98 68.2 50.1 75.1

Manual Integrations
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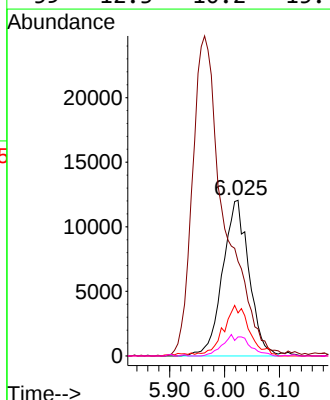
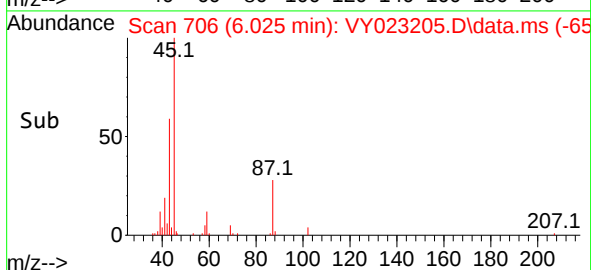
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025

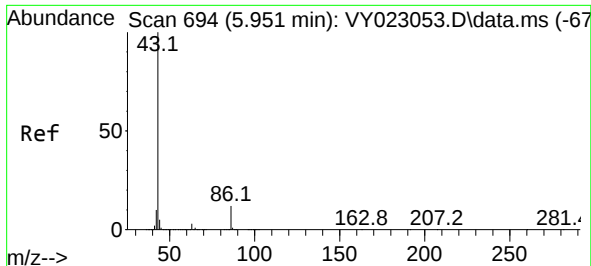


#22
Diisopropyl ether
Concen: 2.969 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34



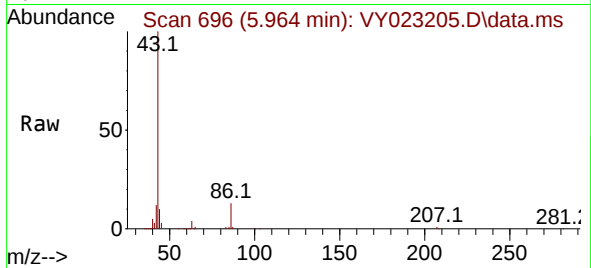
Tgt Ion: 45 Resp: 40163
Ion Ratio Lower Upper
45 100
43 57.5 43.4 65.0
87 27.6 24.4 36.6
59 12.3 10.2 15.4





#23
 Vinyl Acetate
 Concen: 13.437 ug/l
 RT: 5.964 min Scan# 694
 Delta R.T. 0.012 min
 Lab File: VY023205.D
 Acq: 25 Aug 2025 11:34

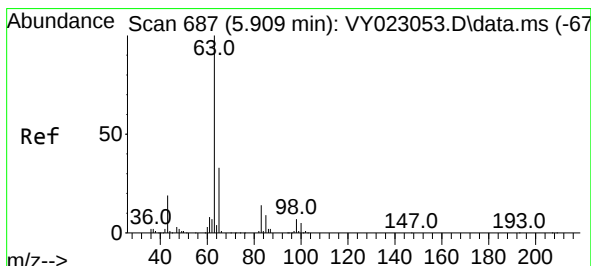
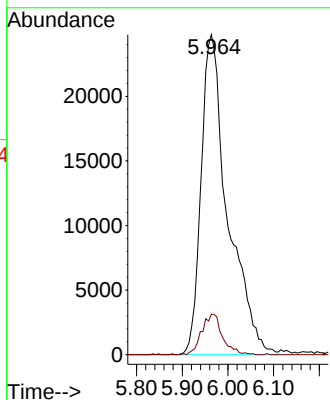
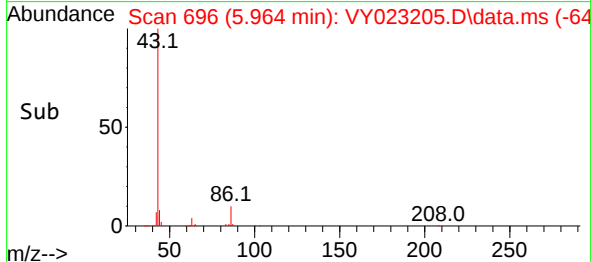
Instrument : MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025



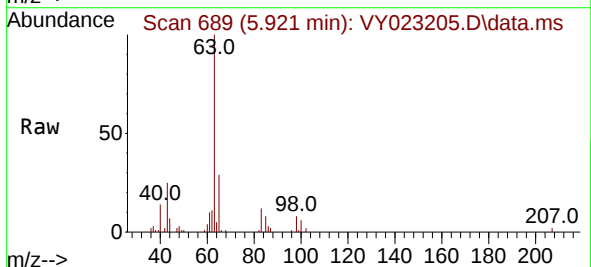
Tgt Ion: 43 Resp: 10052
 Ion Ratio Lower Upper
 43 100
 86 12.7 9.6 14.4

Manual Integrations
 APPROVED

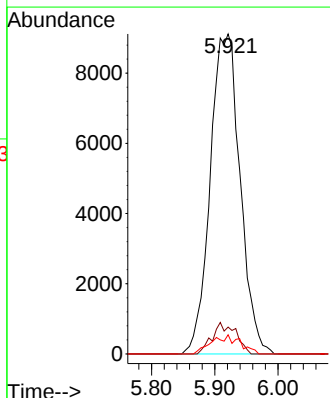
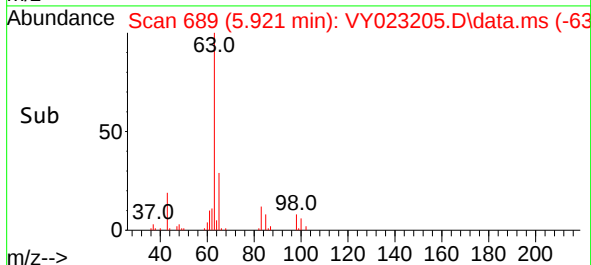
Reviewed By :Mahesh Dadoda 08/26/2025
 Supervised By :Semsettin Yesilyurt 08/26/2025

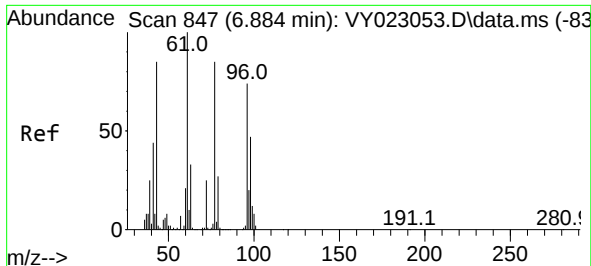


#24
 1,1-Dichloroethane
 Concen: 3.613 ug/l
 RT: 5.921 min Scan# 689
 Delta R.T. 0.012 min
 Lab File: VY023205.D
 Acq: 25 Aug 2025 11:34



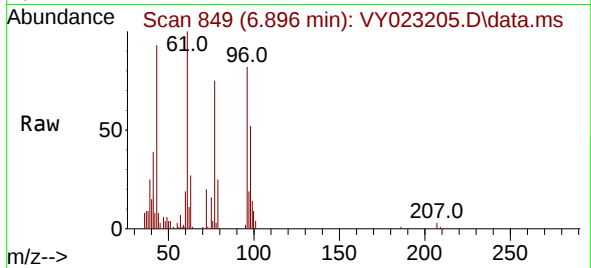
Tgt Ion: 63 Resp: 29882
 Ion Ratio Lower Upper
 63 100
 98 8.4 3.5 10.6
 100 6.0 2.4 7.1





#25
2-Butanone
Concen: 17.523 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

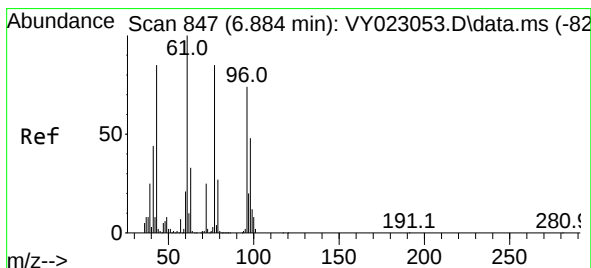
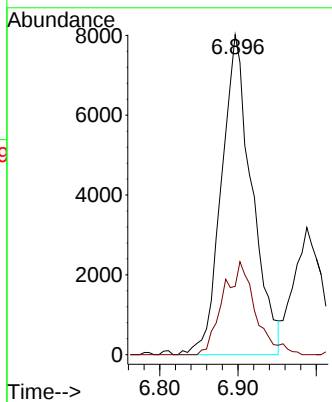
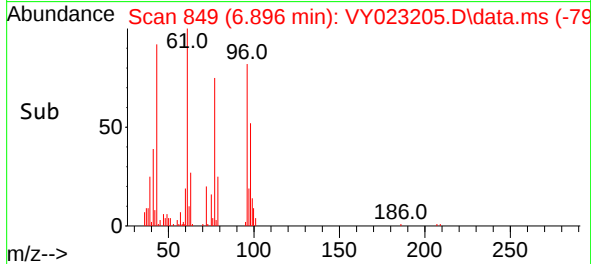
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



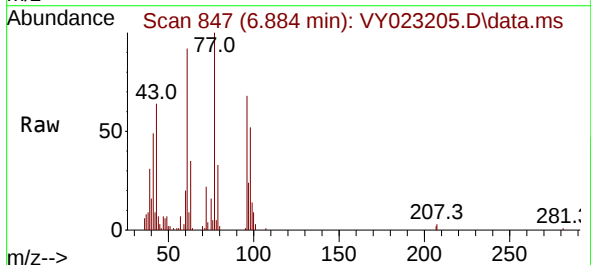
Tgt Ion: 43 Resp: 21600
Ion Ratio Lower Upper
43 100
72 21.4 23.5 35.3

Manual Integrations
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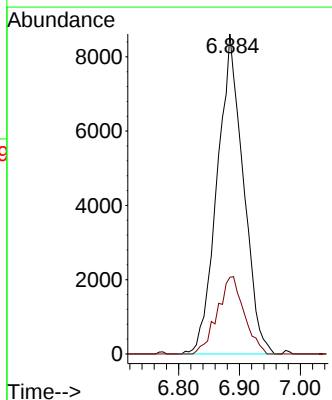
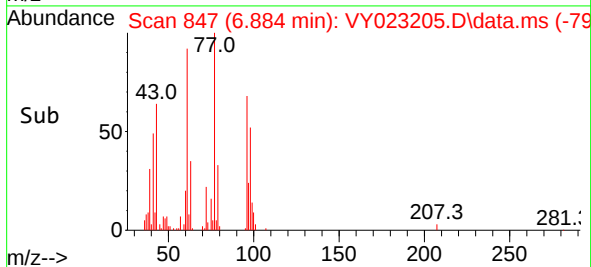
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025

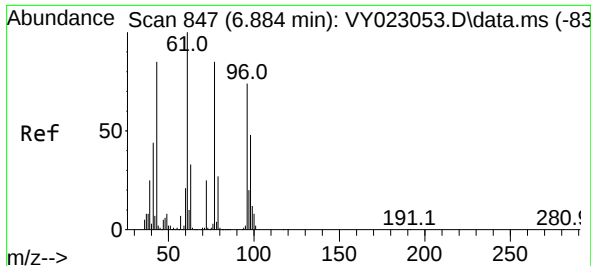


#26
2,2-Dichloropropane
Concen: 3.589 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34



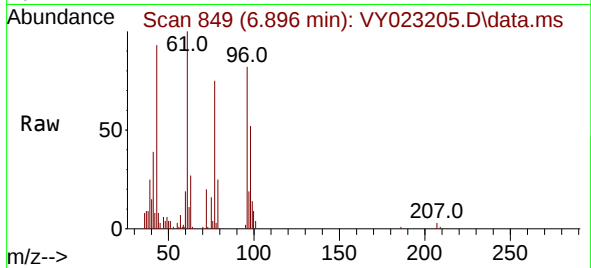
Tgt Ion: 77 Resp: 25615
Ion Ratio Lower Upper
77 100
97 24.8 11.6 34.8





#27
 cis-1,2-Dichloroethene
 Concen: 3.491 ug/l
 RT: 6.896 min Scan# 847
 Delta R.T. 0.012 min
 Lab File: VY023205.D
 Acq: 25 Aug 2025 11:34

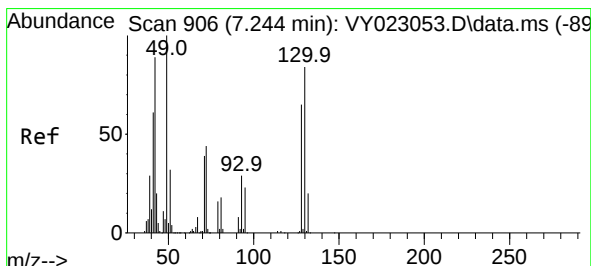
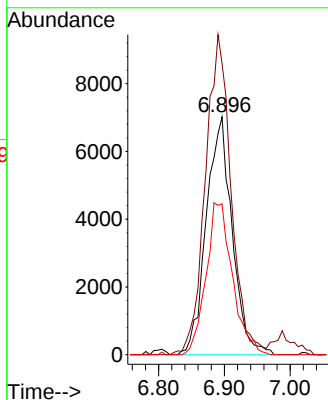
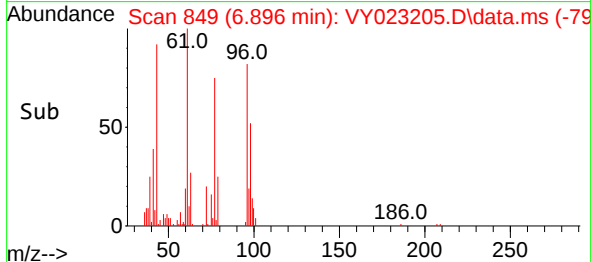
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 96 Resp: 1919
 Ion Ratio Lower Upper
 96 100
 61 134.3 0.0 278.6
 98 65.3 0.0 130.4

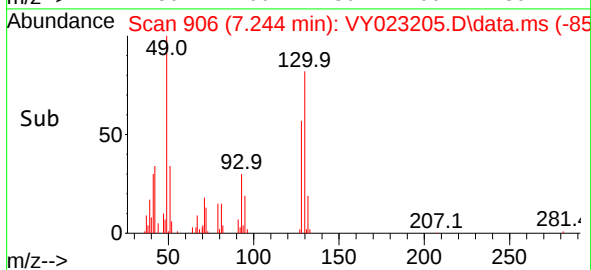
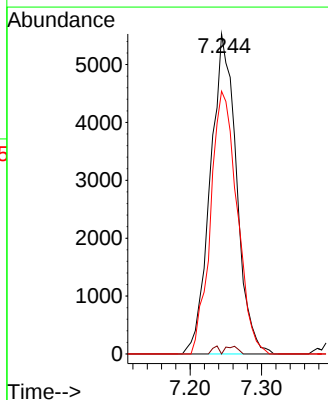
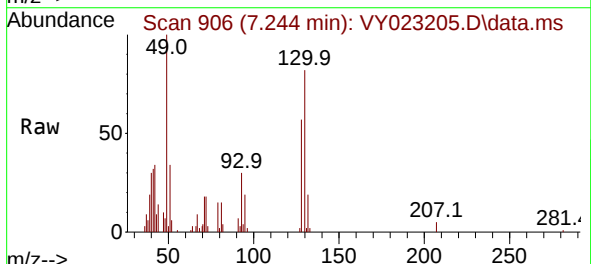
Manual Integrations
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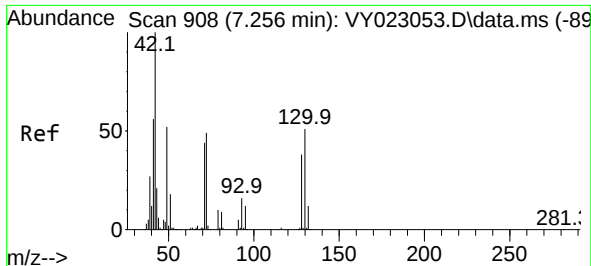
Reviewed By :Mahesh Dadoda 08/26/2025
 Supervised By :Semsettin Yesilyurt 08/26/2025



#28
 Bromochloromethane
 Concen: 4.272 ug/l
 RT: 7.244 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY023205.D
 Acq: 25 Aug 2025 11:34

Tgt Ion: 49 Resp: 14018
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 4.2
 130 83.4 66.4 99.6





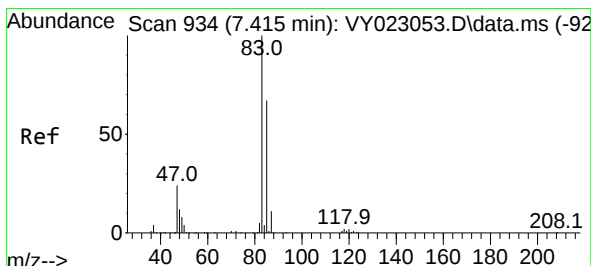
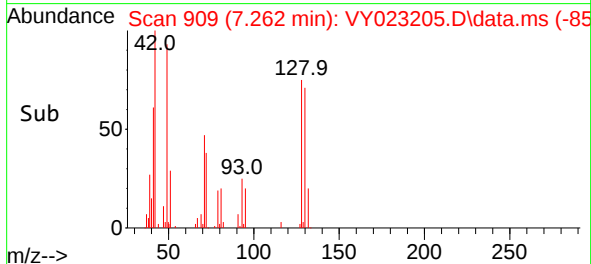
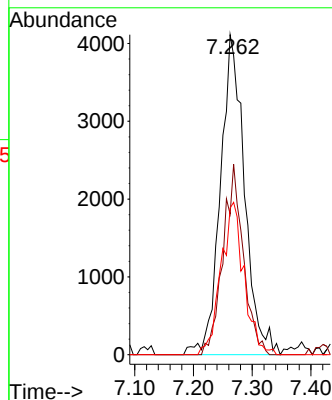
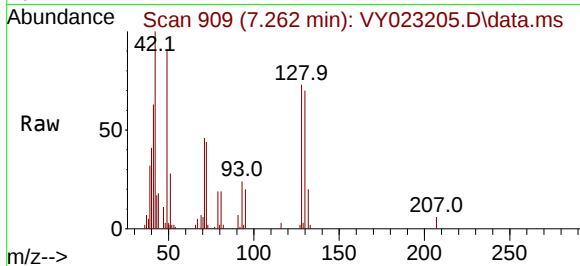
#29
Tetrahydrofuran
Concen: 15.370 ug/l
RT: 7.262 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 42 Resp: 1174
Ion Ratio Lower Upper
42 100
72 50.3 39.4 59.2
71 45.6 36.5 54.7

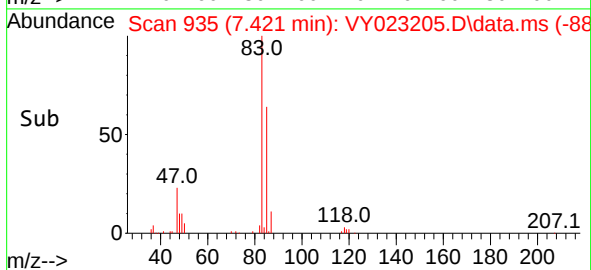
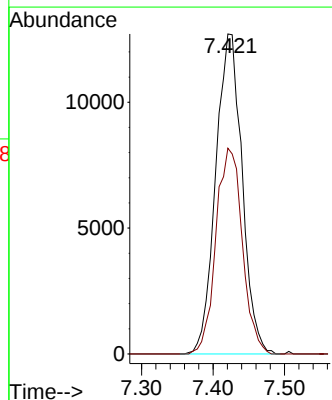
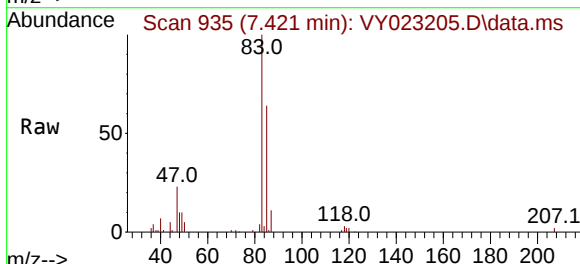
Manual Integrations
APPROVED

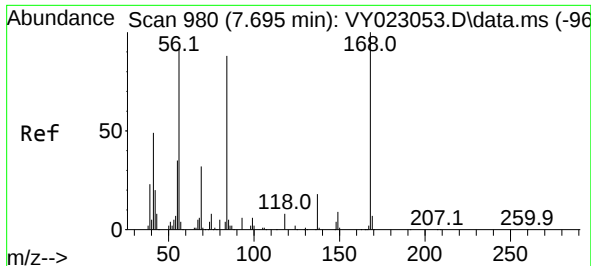
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#30
Chloroform
Concen: 3.818 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

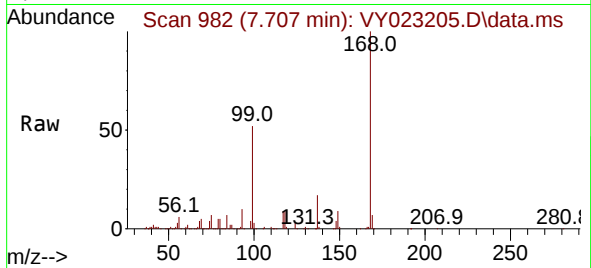
Tgt Ion: 83 Resp: 32568
Ion Ratio Lower Upper
83 100
85 64.3 53.8 80.8





#31
Cyclohexane
Concen: 3.961 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

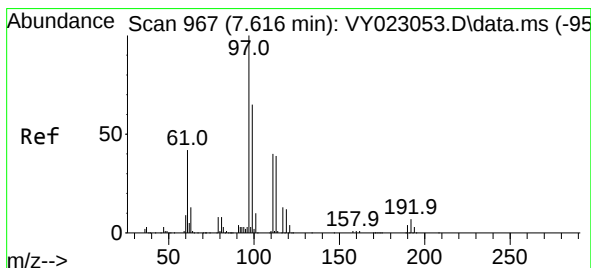
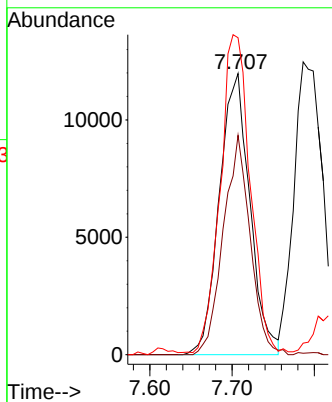
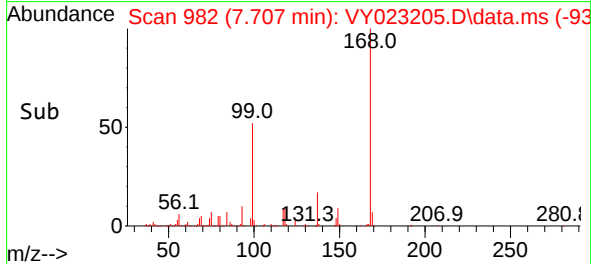
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 56 Resp: 30874
Ion Ratio Lower Upper
56 100
69 78.0 28.2 42.2
84 112.0 76.6 114.8

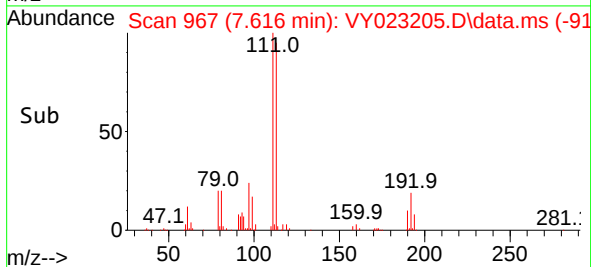
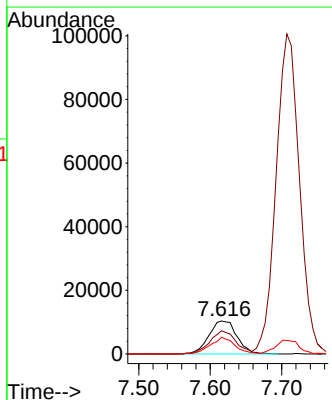
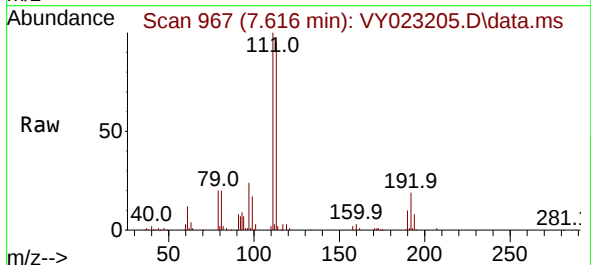
Manual Integrations
APPROVED

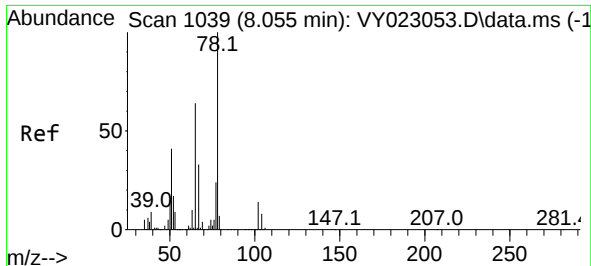
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#32
1,1,1-Trichloroethane
Concen: 3.728 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

Tgt Ion: 97 Resp: 28215
Ion Ratio Lower Upper
97 100
99 65.5 51.6 77.4
61 44.2 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 49.543 ug/l

RT: 8.061 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 65 Resp: 20732

Ion Ratio Lower Upper

65 100

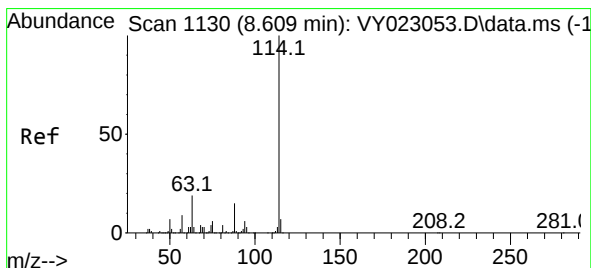
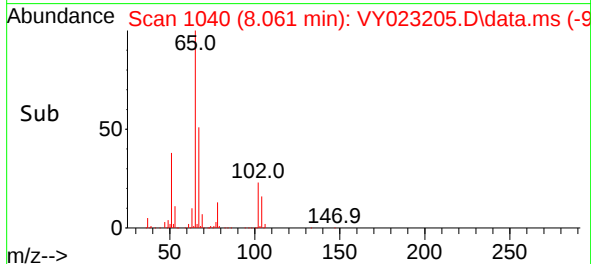
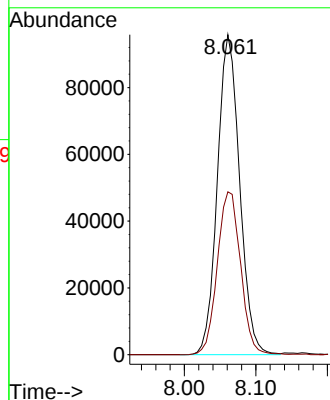
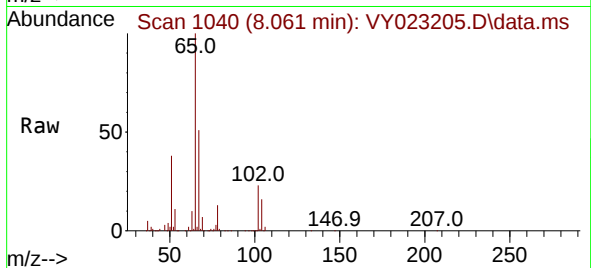
67 53.2 0.0 106.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025

Supervised By :Semsettin Yesilyurt 08/26/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

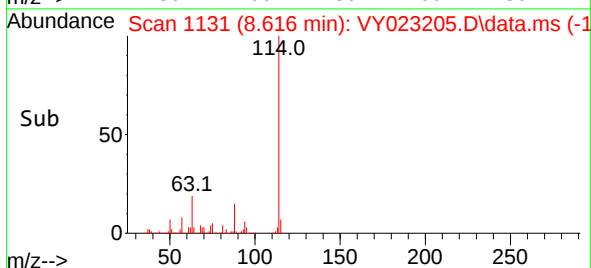
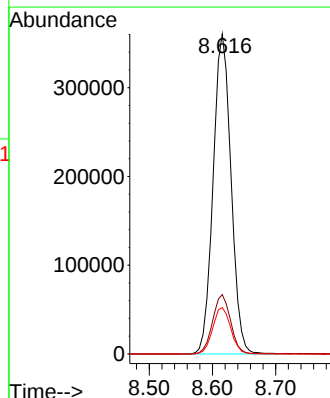
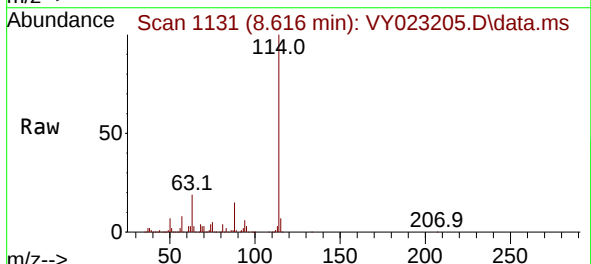
Tgt Ion:114 Resp: 707313

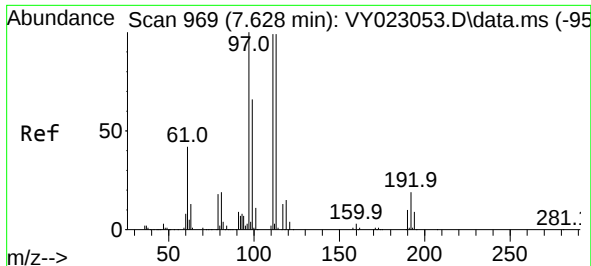
Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

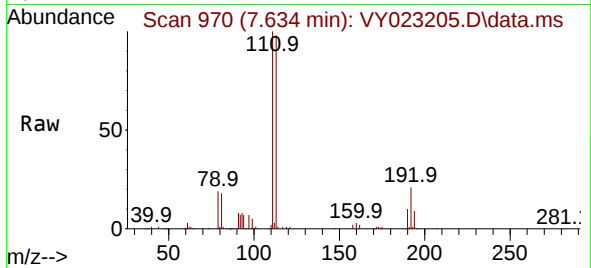
88 14.5 0.0 30.0





#35
Dibromofluoromethane
Concen: 51.133 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

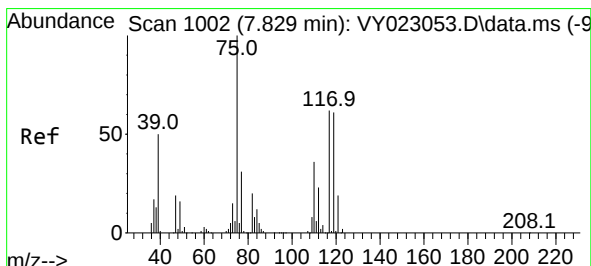
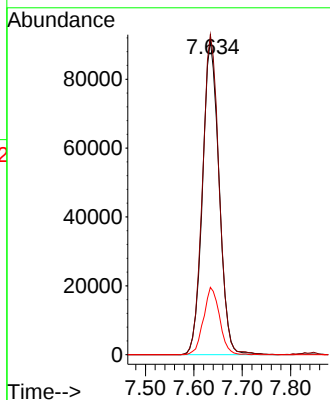
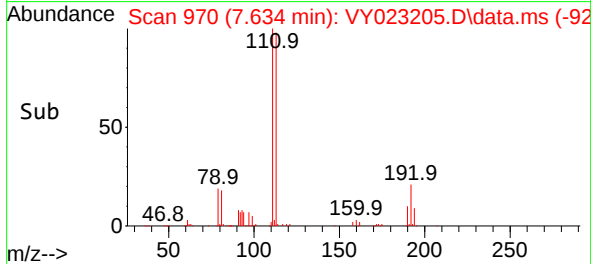
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



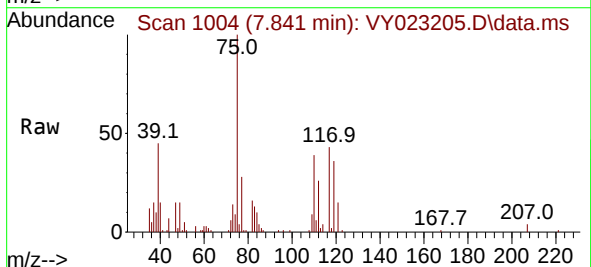
Tgt Ion: 113 Resp: 21641
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 20.9 16.2 24.4

Manual Integrations
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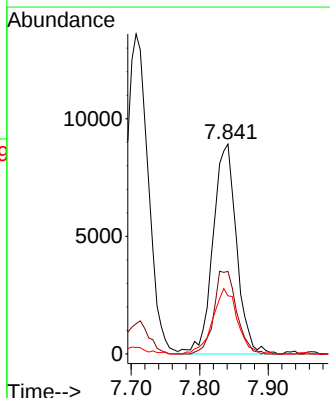
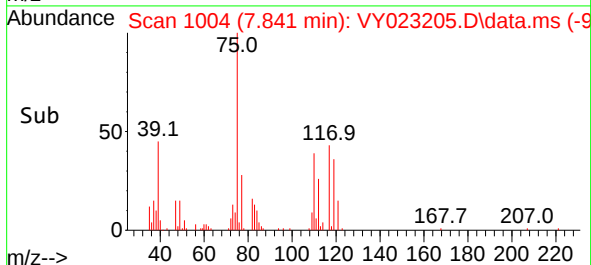
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025

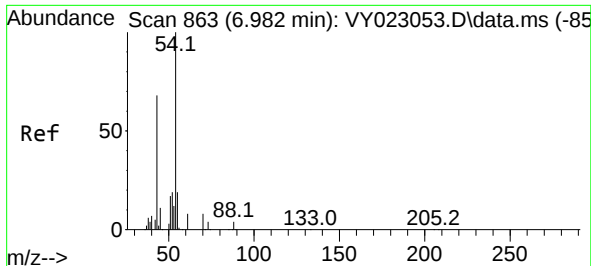


#36
1,1-Dichloropropene
Concen: 3.395 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34



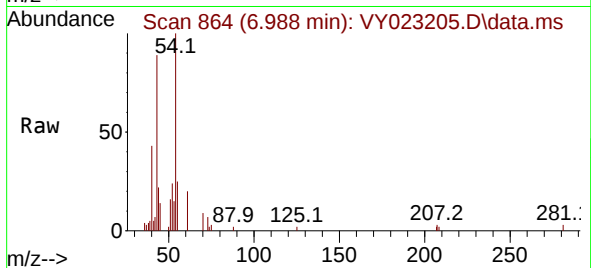
Tgt Ion: 75 Resp: 21351
Ion Ratio Lower Upper
75 100
110 38.1 18.1 54.4
77 32.3 24.6 37.0





#37
Ethyl Acetate
Concen: 3.375 ug/l
RT: 6.988 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

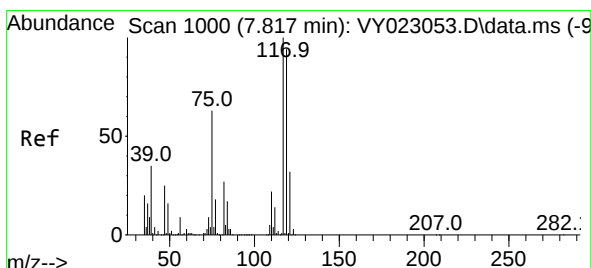
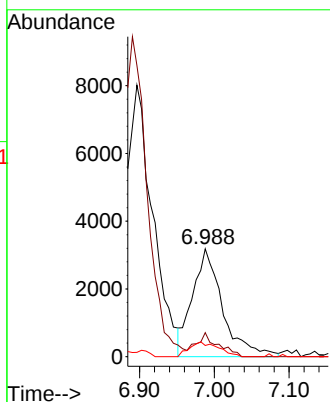
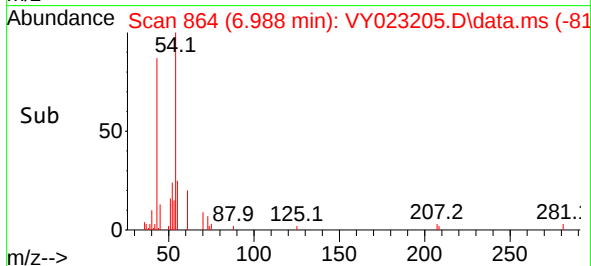
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



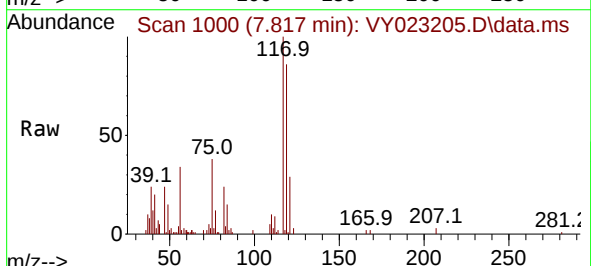
Tgt Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
61 15.7 11.9 17.9
70 13.1 8.8 13.2

Manual Integrations
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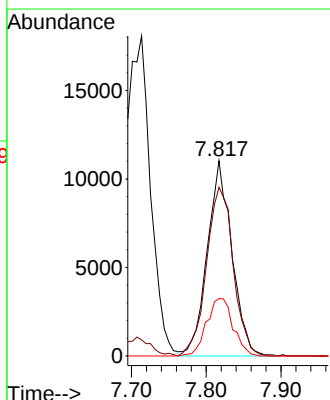
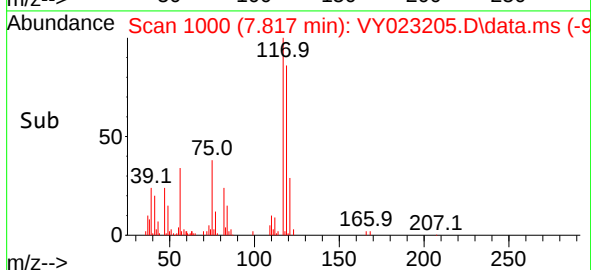
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025

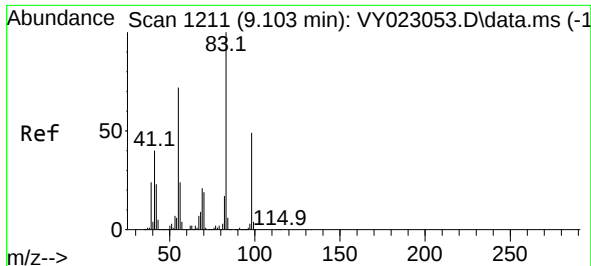


#38
Carbon Tetrachloride
Concen: 3.709 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34



Tgt Ion:117 Resp: 25339
Ion Ratio Lower Upper
117 100
119 86.4 75.6 113.4
121 29.4 25.8 38.8





#39

Methylcyclohexane

Concen: 3.258 ug/l

RT: 9.109 min Scan# 1211

Delta R.T. 0.006 min

Lab File: VY023205.D

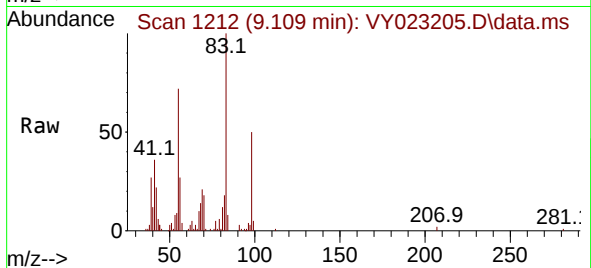
Acq: 25 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

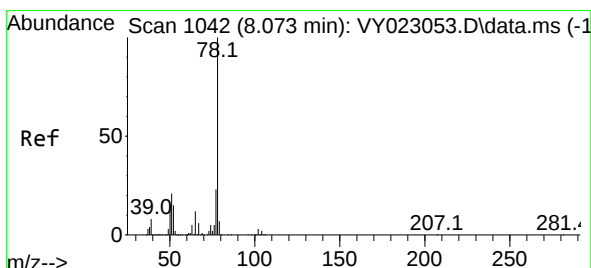
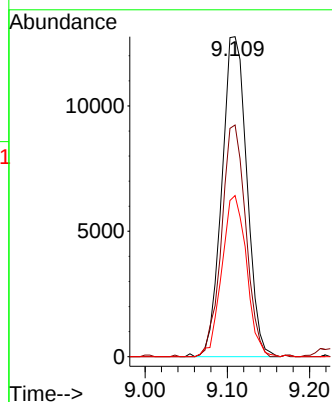
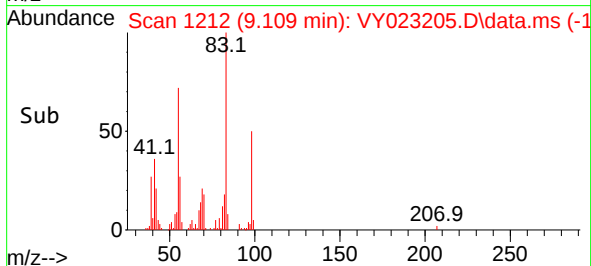


Tgt Ion: 83	Resp: 2698
Ion Ratio	Lower Upper
83	100
55	72.4 57.6 86.4
98	50.3 39.2 58.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#40

Benzene

Concen: 3.563 ug/l

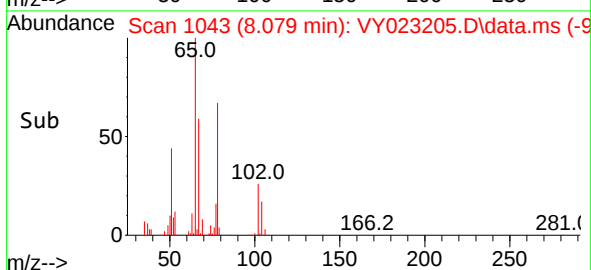
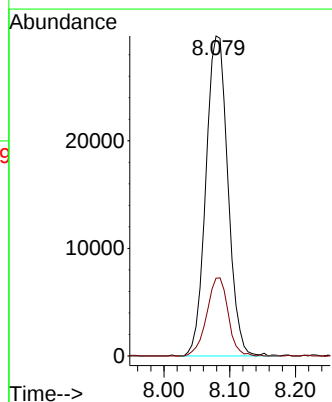
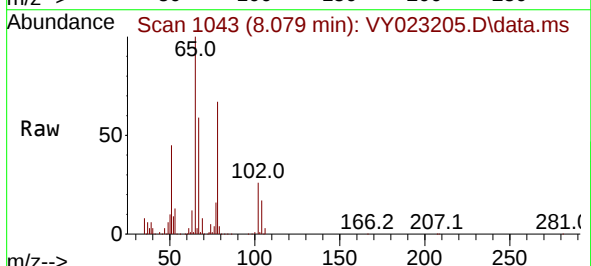
RT: 8.079 min Scan# 1043

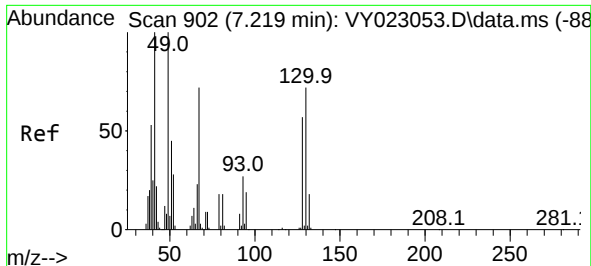
Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

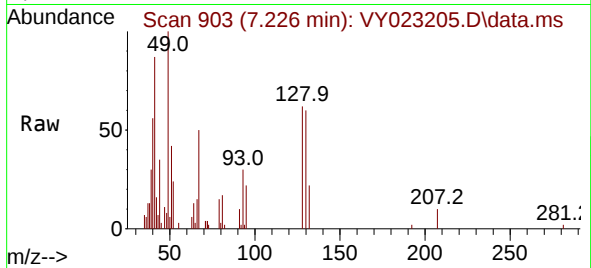
Tgt Ion: 78	Resp: 69078
Ion Ratio	Lower Upper
78	100
77	24.3 18.6 28.0





#41
Methacrylonitrile
Concen: 3.611 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

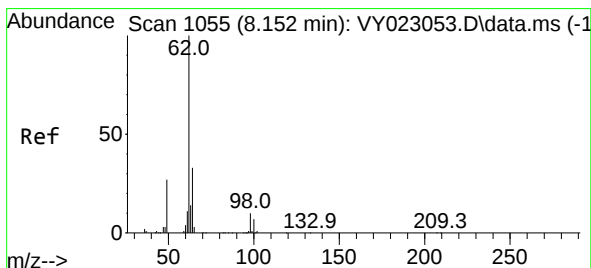
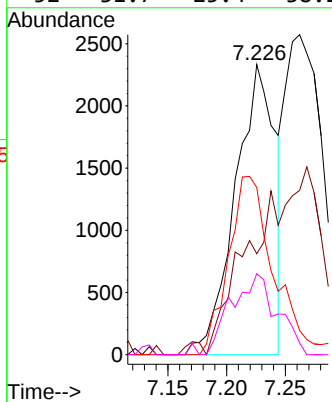
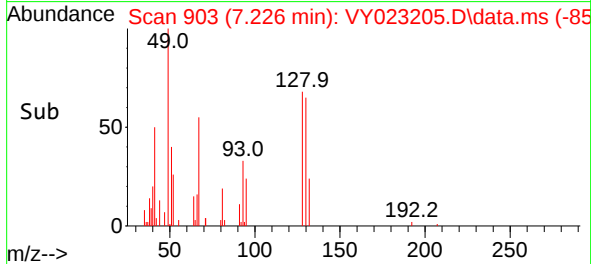
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 41 Resp: 5500
Ion Ratio Lower Upper
41 100
39 0.0 43.4 65.2
67 70.2 63.6 95.4
52 31.7 25.4 38.2

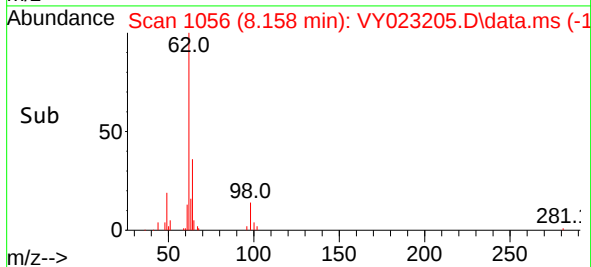
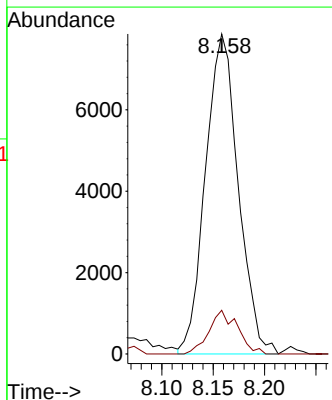
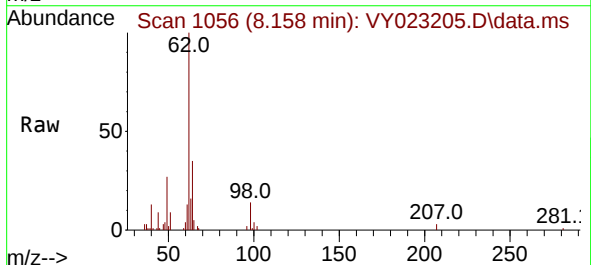
Manual Integrations
APPROVED

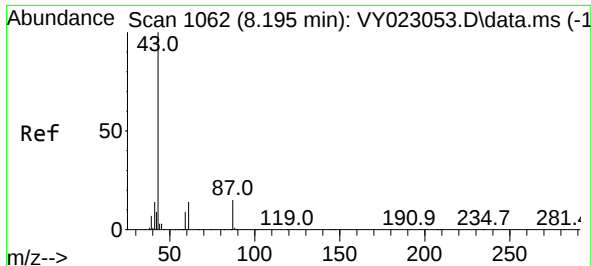
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#42
1,2-Dichloroethane
Concen: 3.457 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

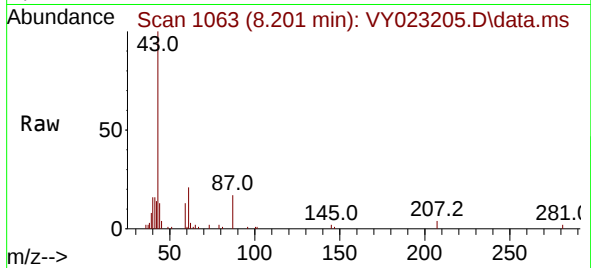
Tgt Ion: 62 Resp: 17432
Ion Ratio Lower Upper
62 100
98 12.0 0.0 20.6





#43
Isopropyl Acetate
Concen: 3.123 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

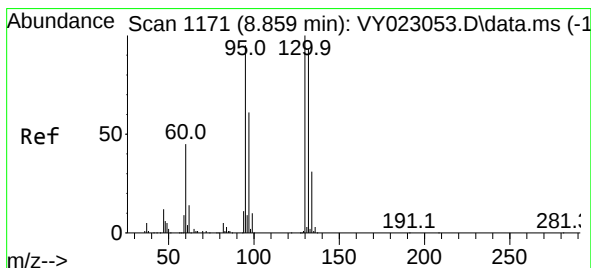
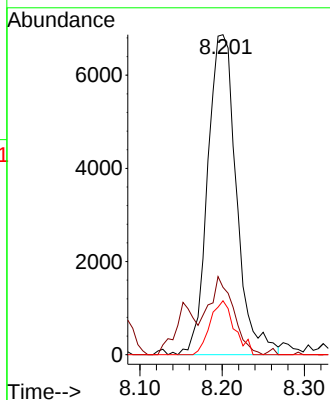
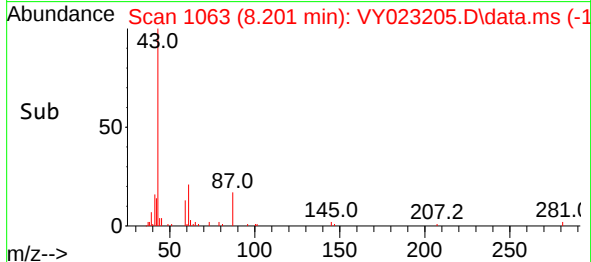
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 43 Resp: 16678
Ion Ratio Lower Upper
43 100
61 21.5 16.4 24.6
87 14.3 11.8 17.6

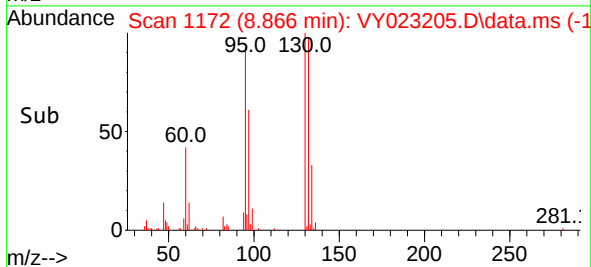
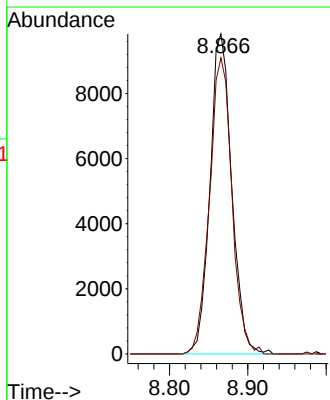
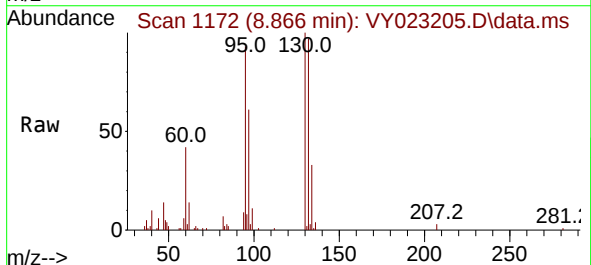
Manual Integrations
APPROVED

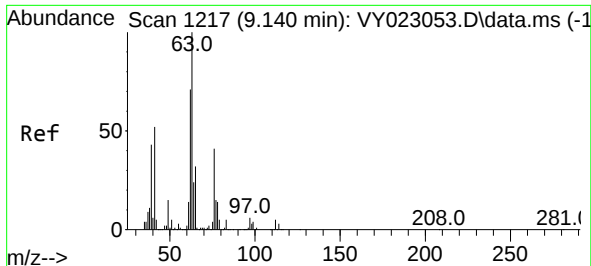
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#44
Trichloroethene
Concen: 3.775 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

Tgt Ion:130 Resp: 18912
Ion Ratio Lower Upper
130 100
95 92.5 0.0 190.2





#45

1,2-Dichloropropane

Concen: 3.535 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY023205.D

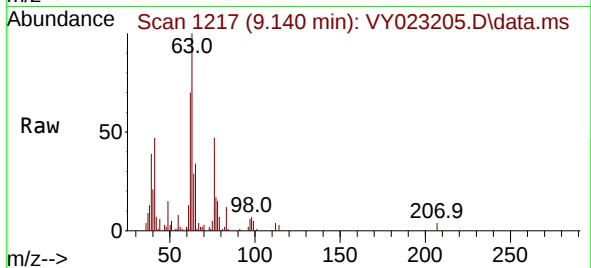
Acq: 25 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 63 Resp: 1576

Ion Ratio Lower Upper

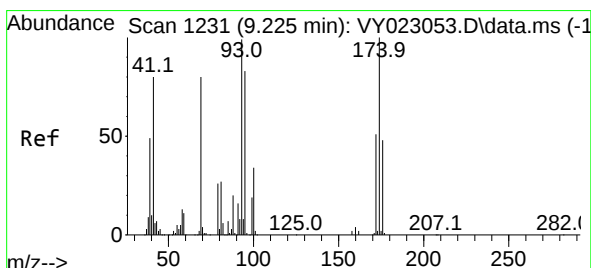
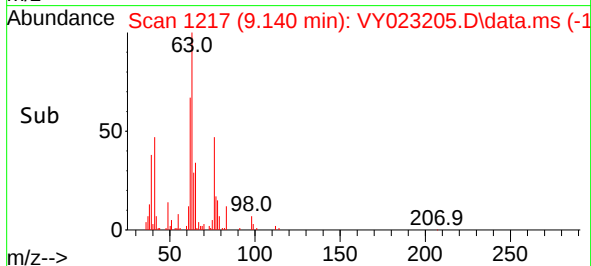
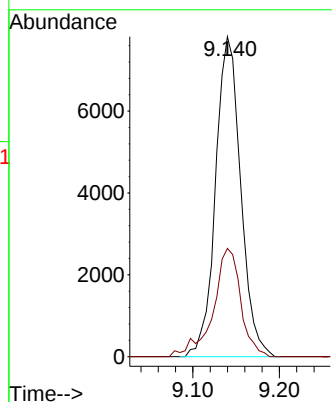
63 100

65 33.9 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#46

Dibromomethane

Concen: 3.635 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

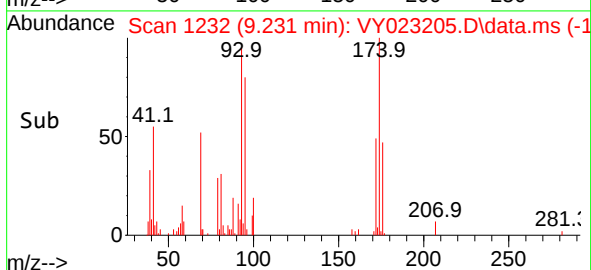
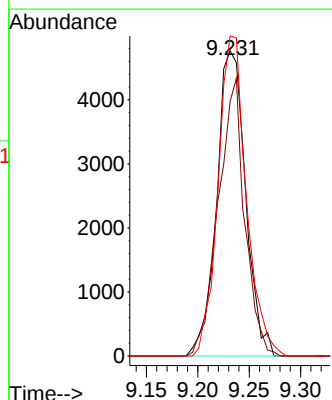
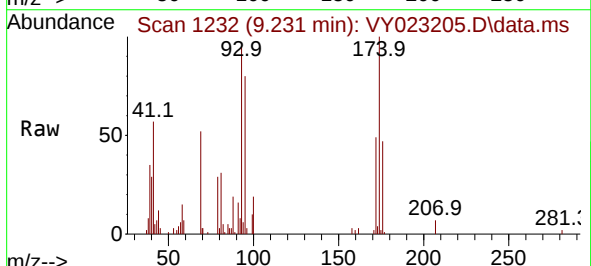
Tgt Ion: 93 Resp: 9306

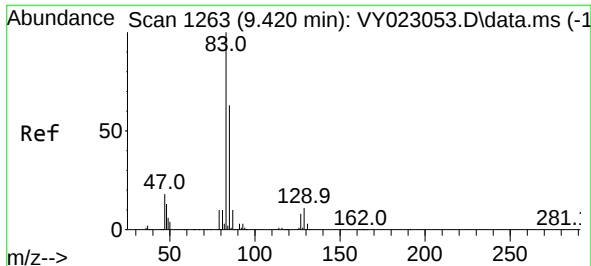
Ion Ratio Lower Upper

93 100

95 83.4 66.5 99.7

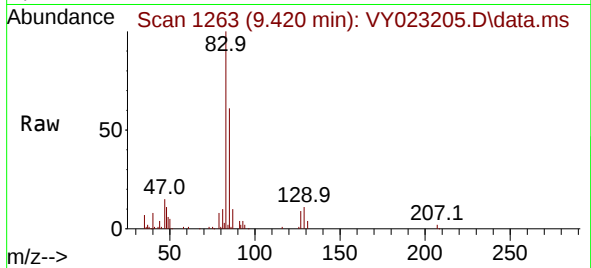
174 102.3 81.8 122.8





#47
Bromodichloromethane
Concen: 3.675 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

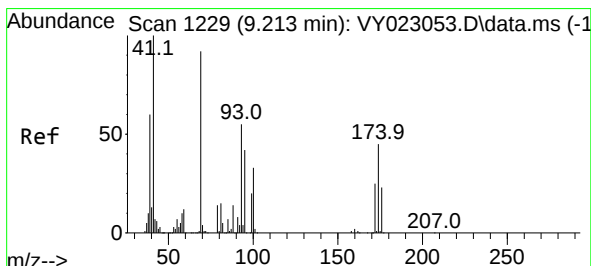
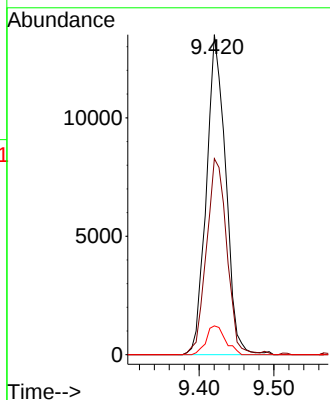
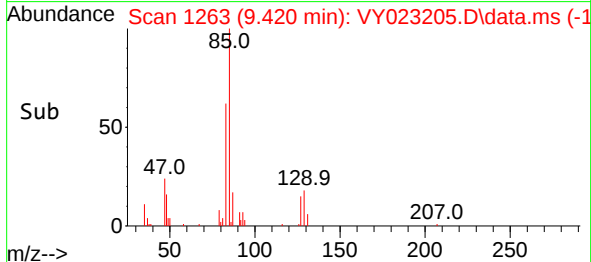
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 83 Resp: 24210
Ion Ratio Lower Upper
83 100
85 61.2 50.2 75.4
127 9.0 6.6 10.0

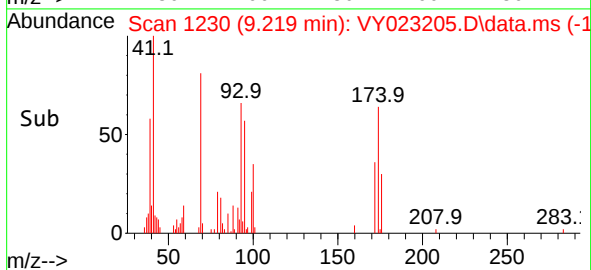
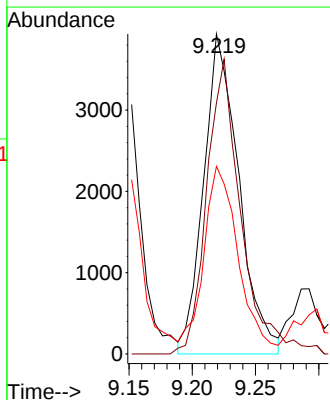
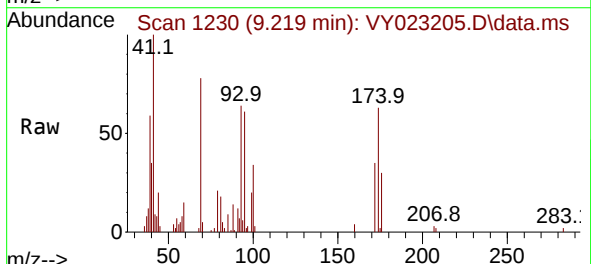
Manual Integrations
APPROVED

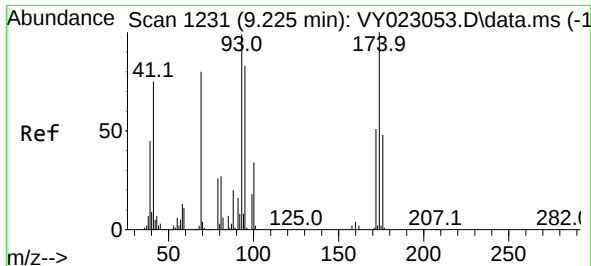
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#48
Methyl methacrylate
Concen: 2.978 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

Tgt Ion: 41 Resp: 7611
Ion Ratio Lower Upper
41 100
69 89.9 73.2 109.8
39 52.5 47.0 70.4





#49

1,4-Dioxane

Concen: 60.061 ug/l

RT: 9.231 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

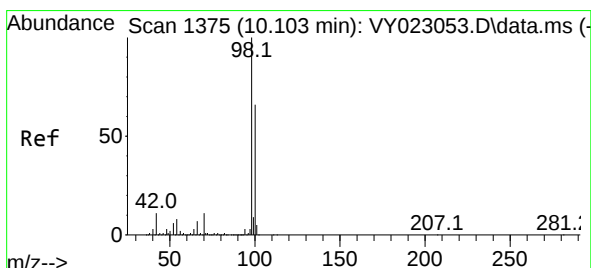
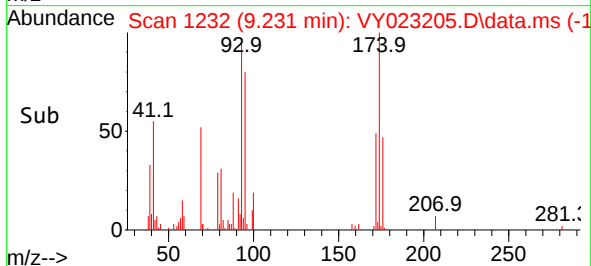
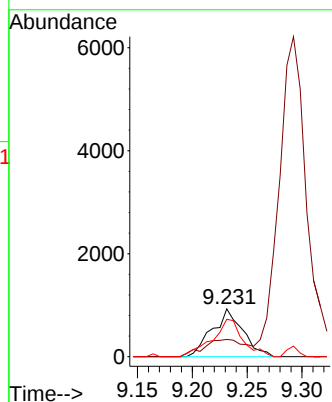
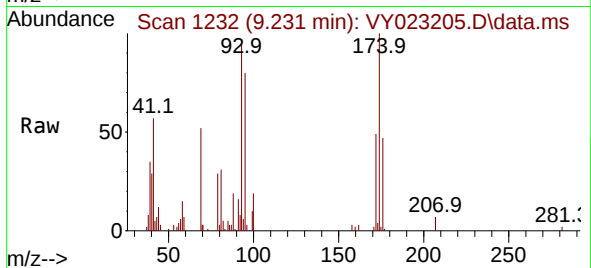
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 88	Resp: 180
Ion Ratio	Lower Upper
88 100	
43 50.4	24.3 36.5
58 78.5	55.4 83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#50

Toluene-d8

Concen: 49.544 ug/l

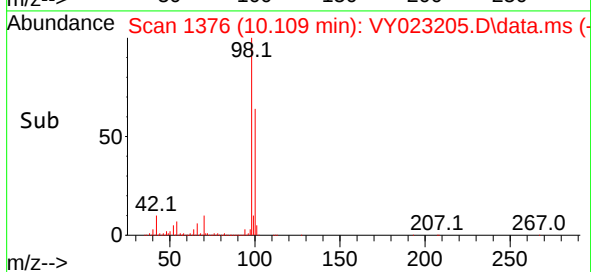
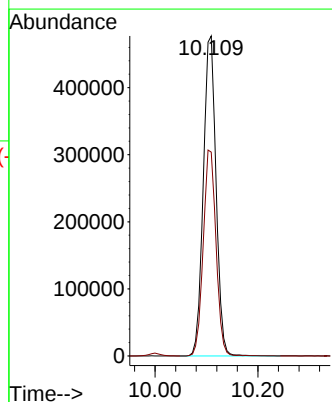
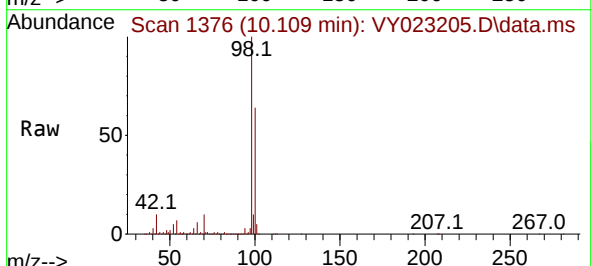
RT: 10.109 min Scan# 1376

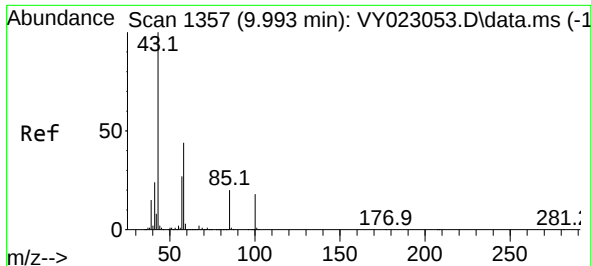
Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

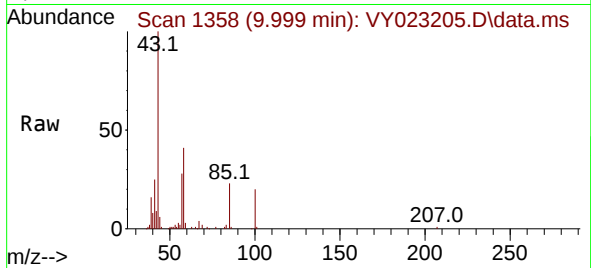
Tgt Ion: 98	Resp: 819157
Ion Ratio	Lower Upper
98 100	
100 64.7	52.3 78.5





#51
4-Methyl-2-Pentanone
Concen: 13.852 ug/l
RT: 9.999 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

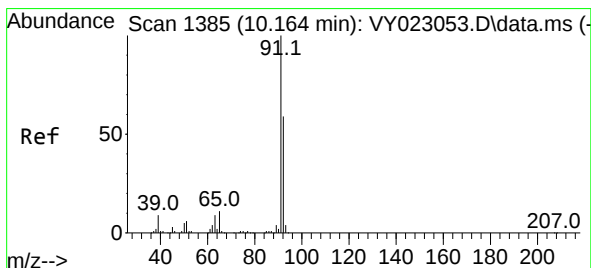
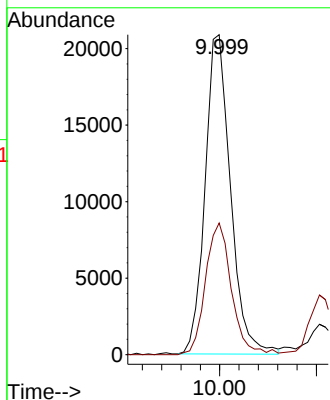
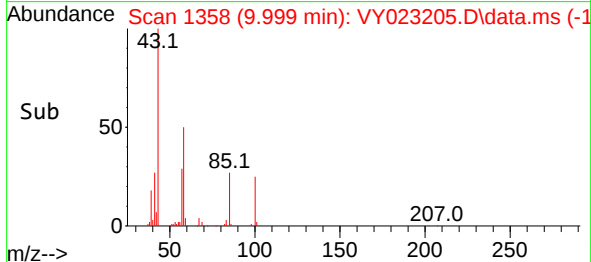
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 43 Resp: 38158
Ion Ratio Lower Upper
43 100
58 42.1 33.5 50.3

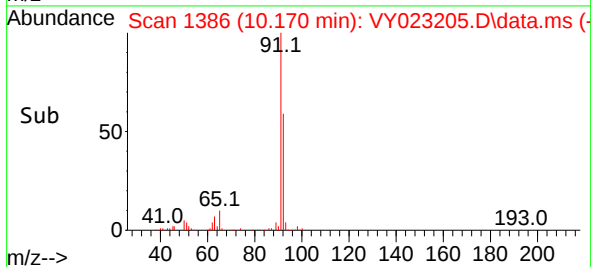
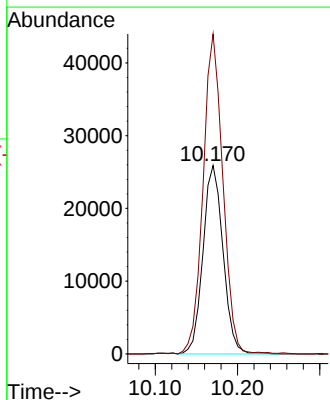
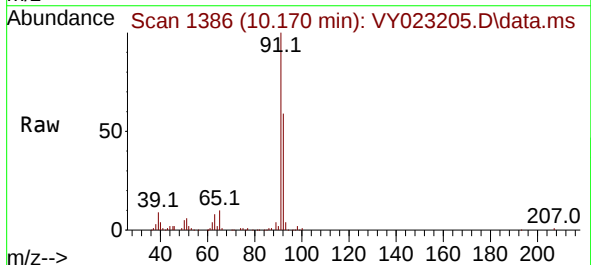
Manual Integrations
APPROVED

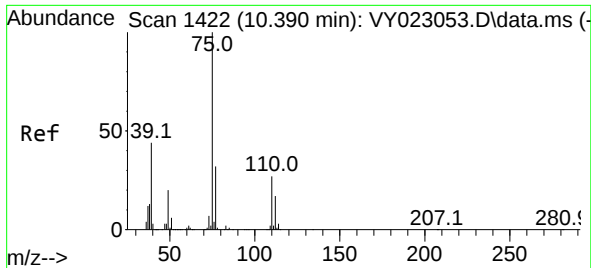
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#52
Toluene
Concen: 3.560 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

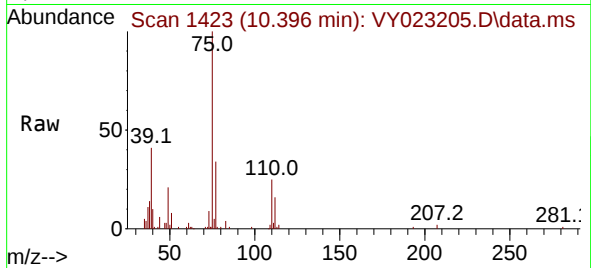
Tgt Ion: 92 Resp: 43836
Ion Ratio Lower Upper
92 100
91 166.8 136.4 204.6





#53
t-1,3-Dichloropropene
Concen: 3.212 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

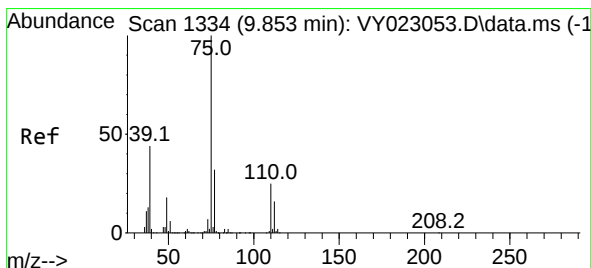
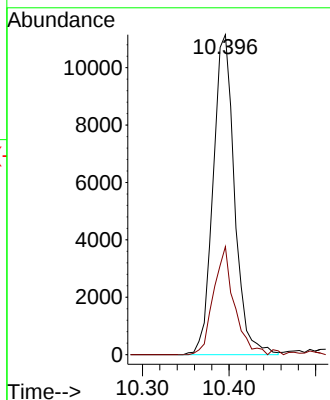
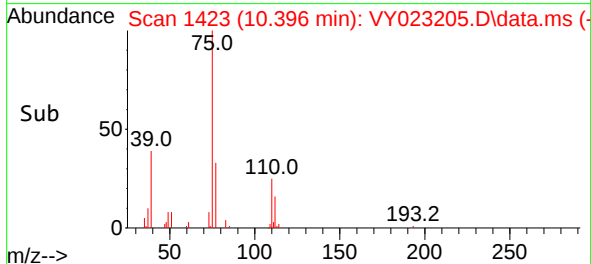
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 75 Resp: 1915
Ion Ratio Lower Upper
75 100
77 33.7 25.7 38.5

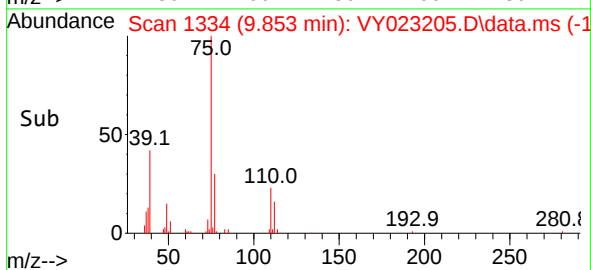
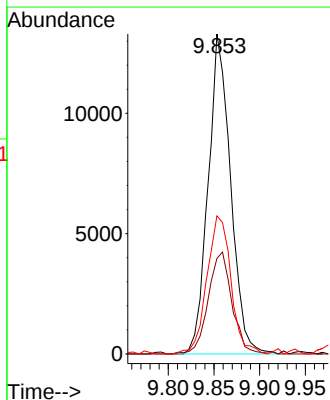
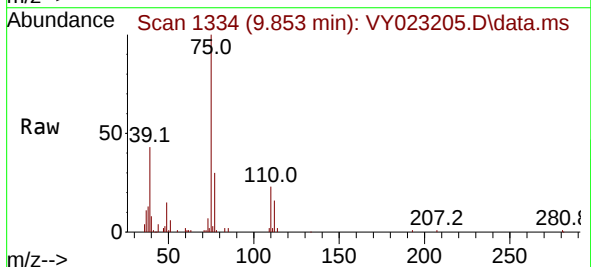
Manual Integrations
APPROVED

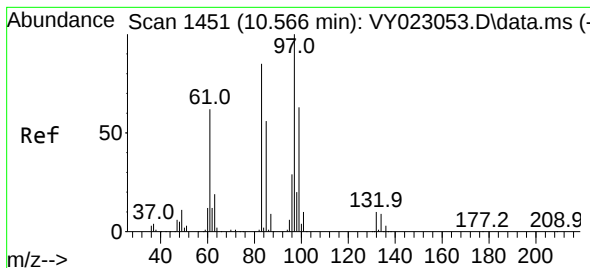
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#54
cis-1,3-Dichloropropene
Concen: 3.216 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

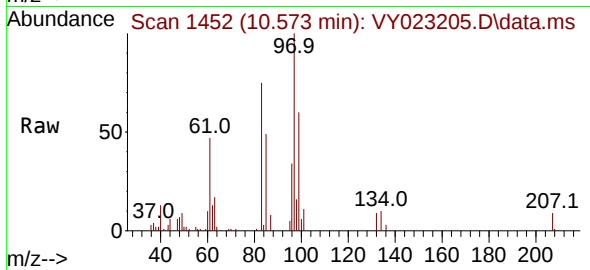
Tgt Ion: 75 Resp: 22687
Ion Ratio Lower Upper
75 100
77 29.8 25.4 38.0
39 42.8 35.6 53.4





#55
1,1,2-Trichloroethane
Concen: 3.596 ug/l
RT: 10.573 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

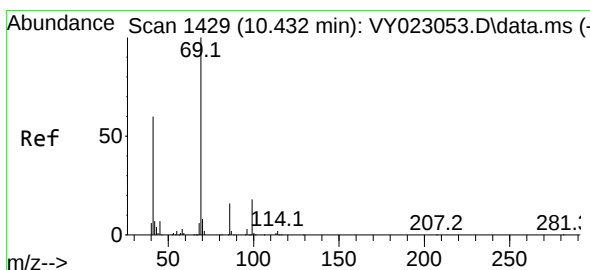
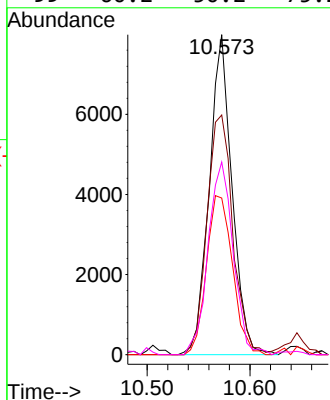
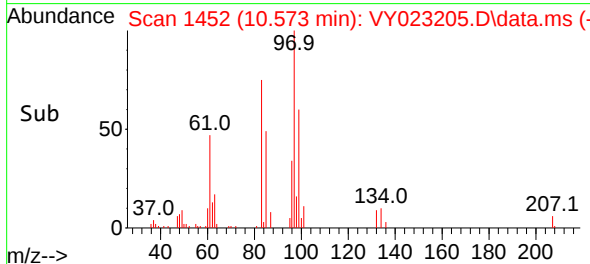
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 97 Resp: 12318
Ion Ratio Lower Upper
97 100
83 74.9 67.7 101.5
85 48.9 44.5 66.7
99 60.2 50.2 75.2

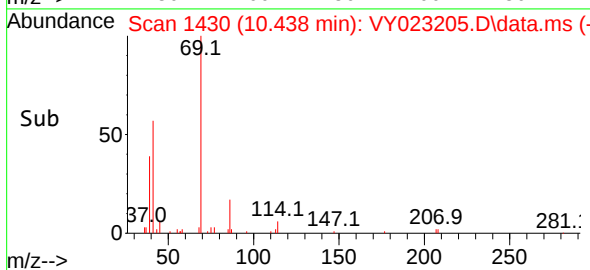
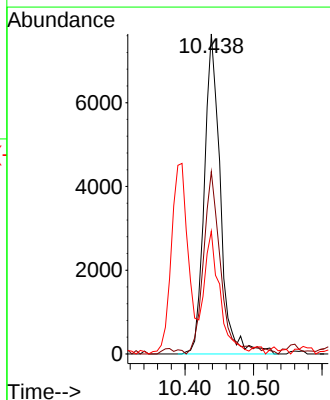
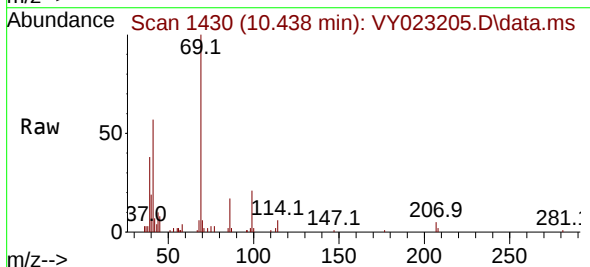
Manual Integrations
APPROVED

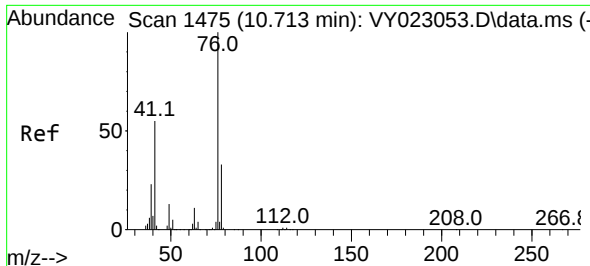
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#56
Ethyl methacrylate
Concen: 2.850 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

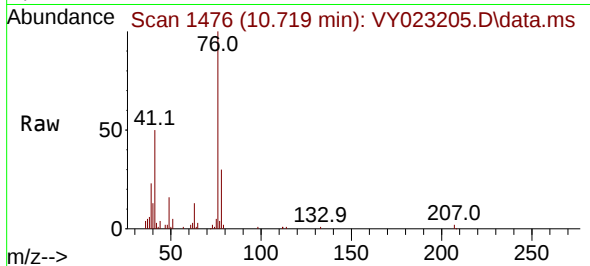
Tgt Ion: 69 Resp: 12495
Ion Ratio Lower Upper
69 100
41 61.4 48.6 72.8
39 36.3 27.0 40.4





#57
1,3-Dichloropropane
Concen: 3.457 ug/l
RT: 10.719 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

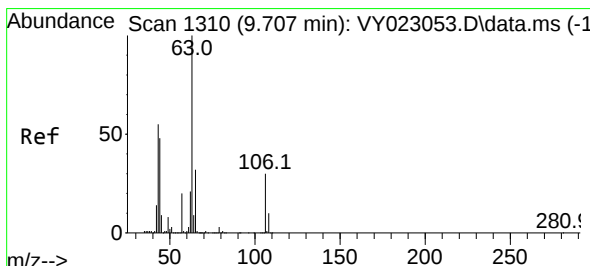
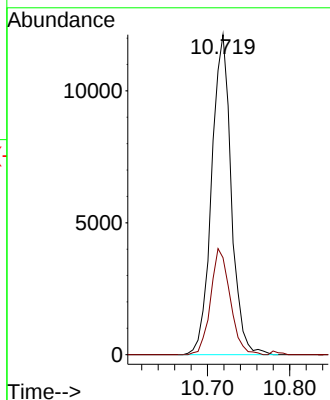
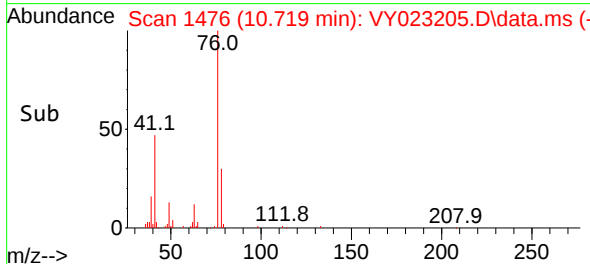
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



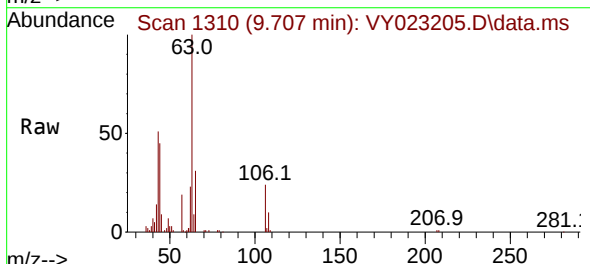
Tgt Ion: 76 Resp: 2008
Ion Ratio Lower Upper
76 100
78 33.0 26.0 39.0

Manual Integrations
APPROVED

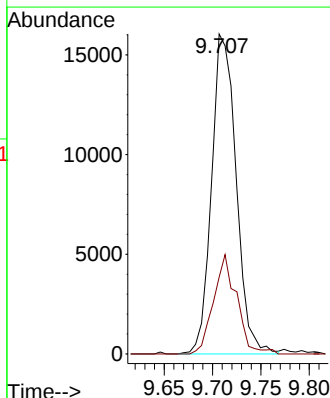
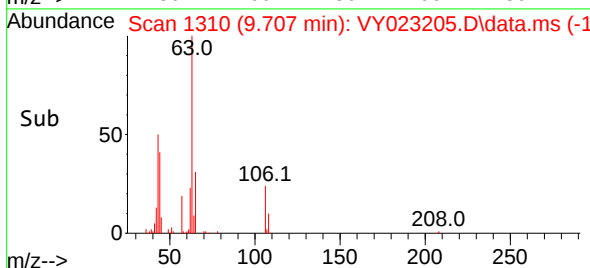
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025

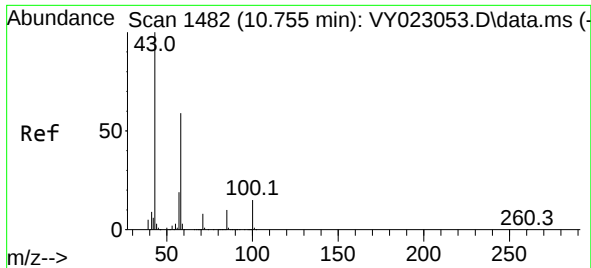


#58
2-Chloroethyl Vinyl ether
Concen: 13.712 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34



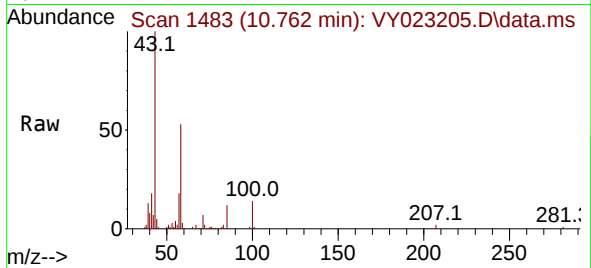
Tgt Ion: 63 Resp: 28354
Ion Ratio Lower Upper
63 100
106 29.4 23.2 34.8





#59
2-Hexanone
Concen: 14.940 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

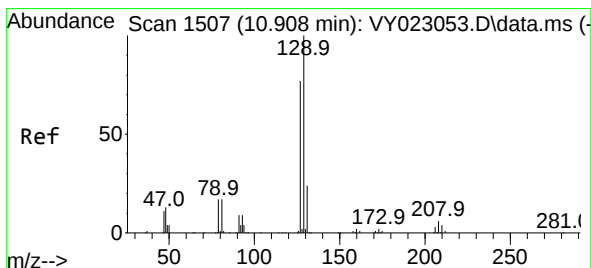
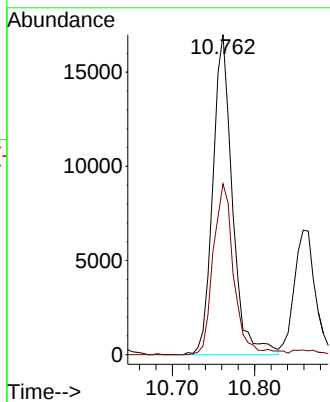
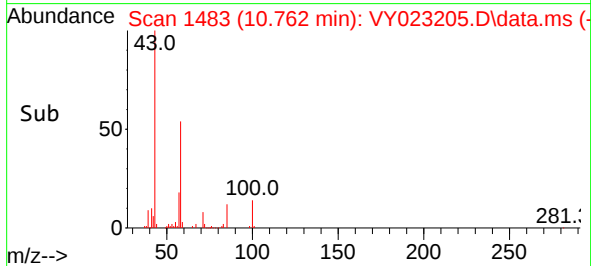
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 43 Resp: 28024
Ion Ratio Lower Upper
43 100
58 56.4 29.5 88.5

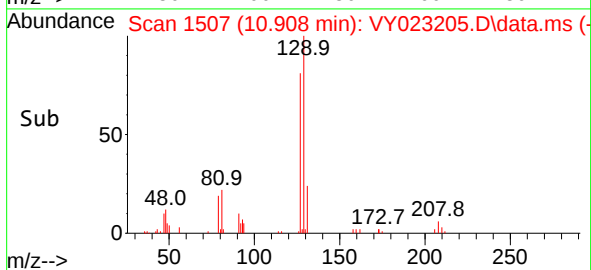
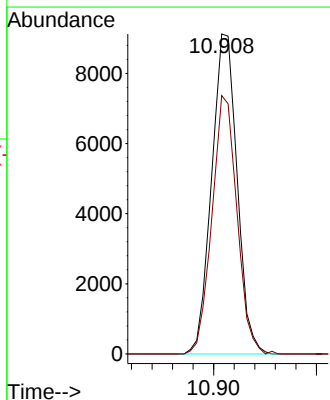
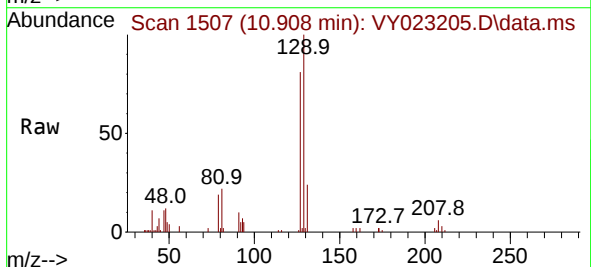
Manual Integrations
APPROVED

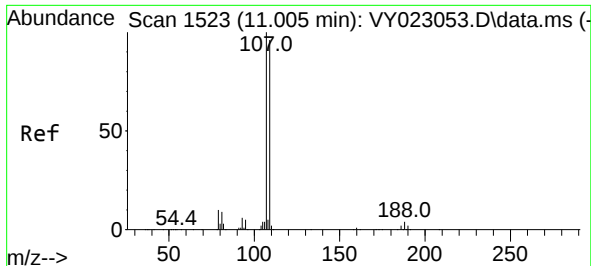
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#60
Dibromochloromethane
Concen: 3.473 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

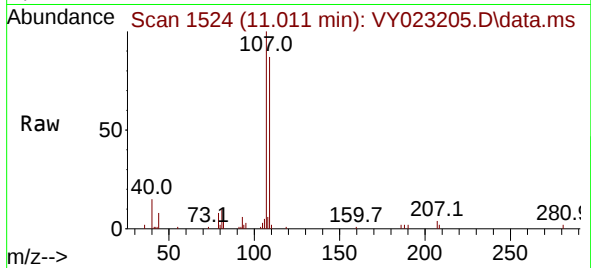
Tgt Ion:129 Resp: 15698
Ion Ratio Lower Upper
129 100
127 79.1 38.5 115.5





#61
1,2-Dibromoethane
Concen: 3.505 ug/l
RT: 11.011 min Scan# 1523
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

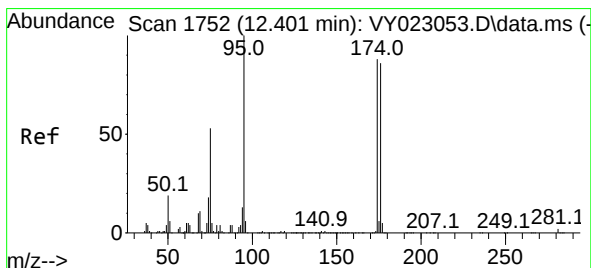
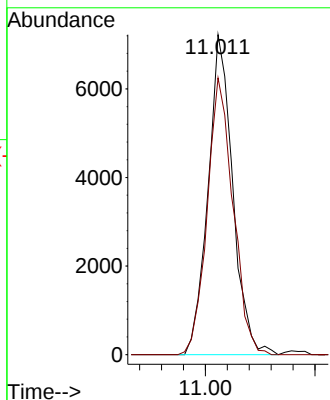
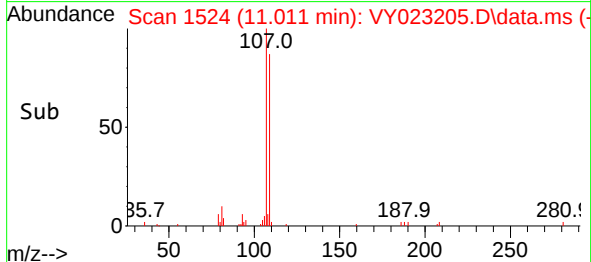
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:107 Resp: 11280
Ion Ratio Lower Upper
107 100
109 90.6 75.6 113.4

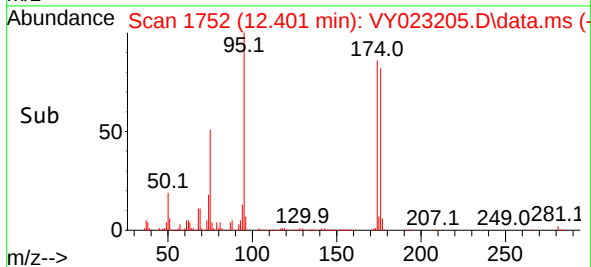
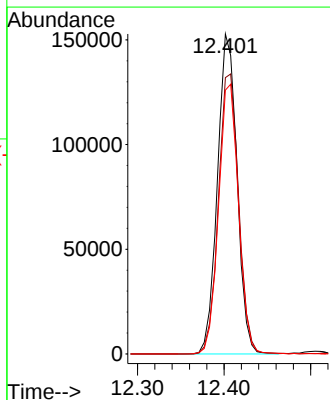
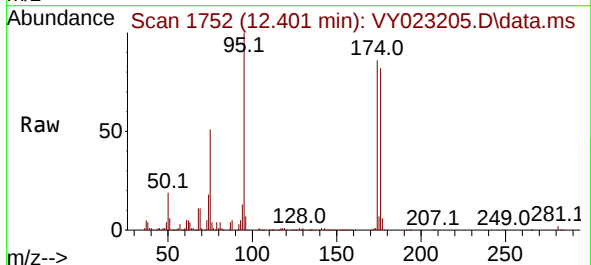
Manual Integrations
APPROVED

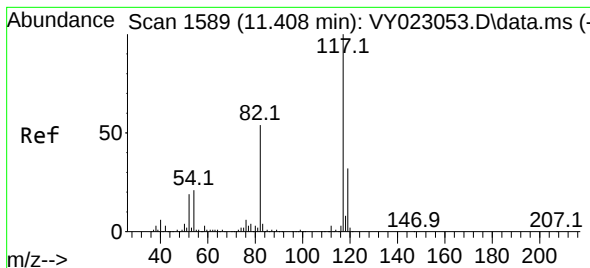
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#62
4-Bromofluorobenzene
Concen: 45.055 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

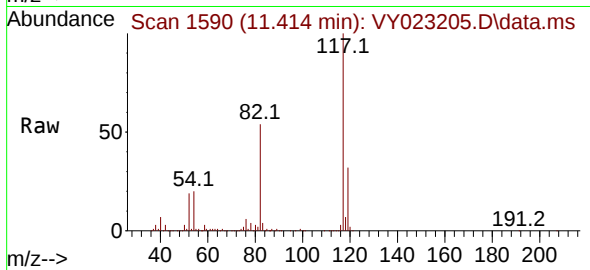
Tgt Ion: 95 Resp: 239571
Ion Ratio Lower Upper
95 100
174 90.7 0.0 171.6
176 86.1 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

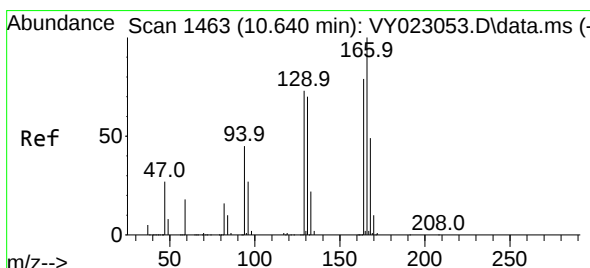
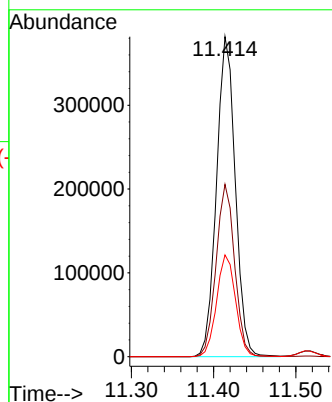
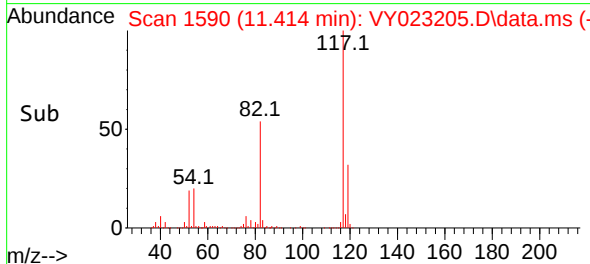
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:117 Resp: 606474
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 31.8 25.6 38.4

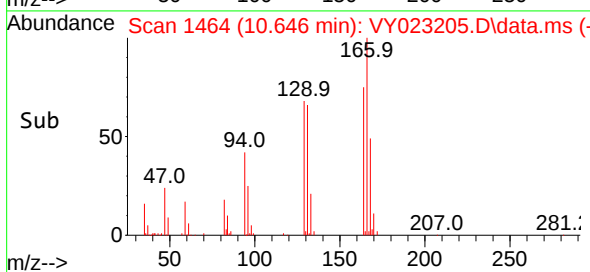
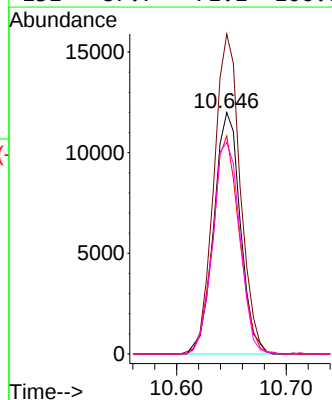
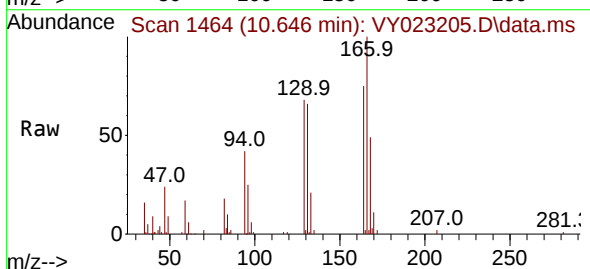
Manual Integrations
APPROVED

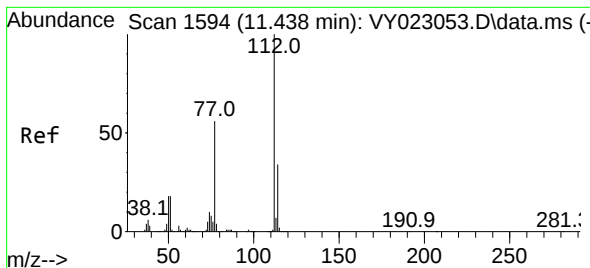
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#64
Tetrachloroethene
Concen: 3.721 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

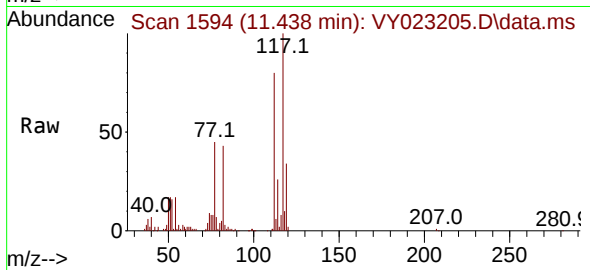
Tgt Ion:164 Resp: 20152
Ion Ratio Lower Upper
164 100
166 132.6 101.1 151.7
129 90.3 74.0 111.0
131 87.7 71.1 106.7





#65
Chlorobenzene
Concen: 3.707 ug/l
RT: 11.438 min Scan# 11594
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

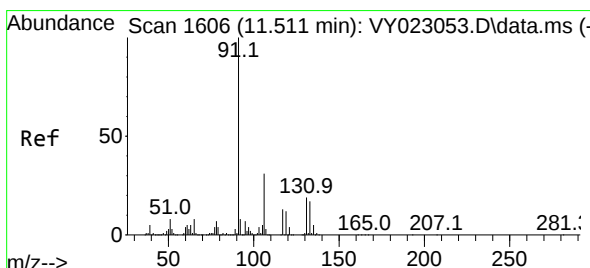
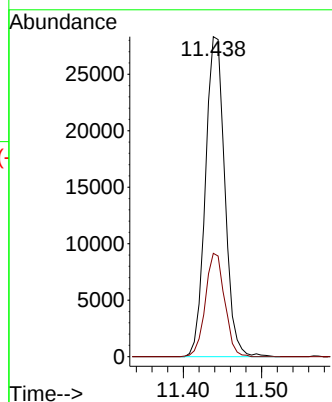
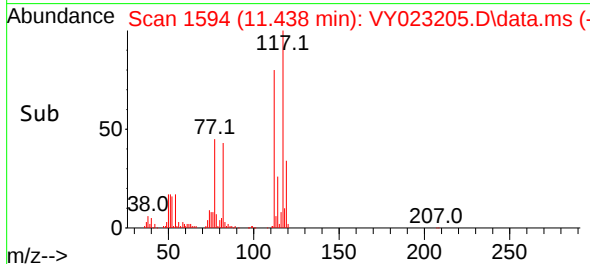
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



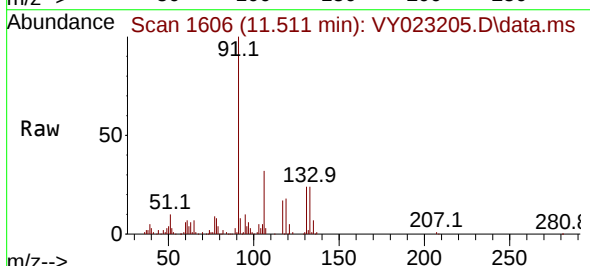
Tgt Ion:112 Resp: 48495
Ion Ratio Lower Upper
112 100
114 32.3 27.0 40.4

Manual Integrations
APPROVED

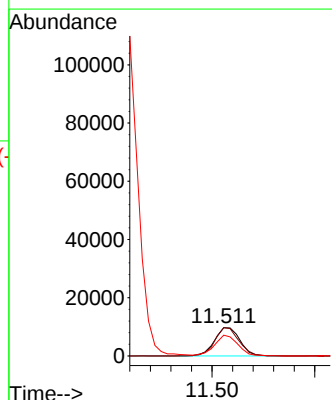
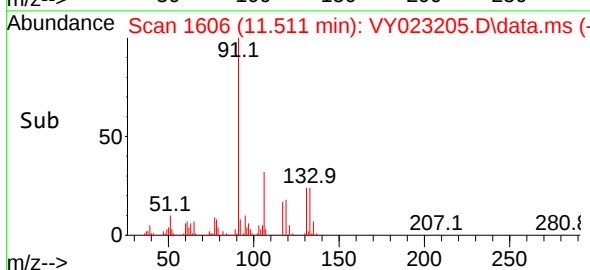
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025

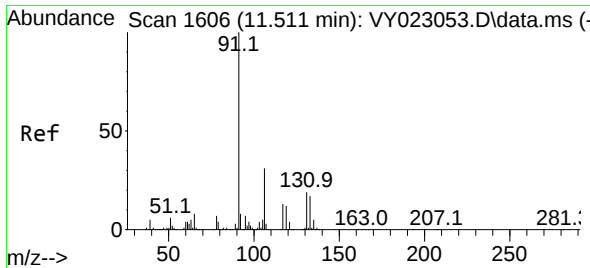


#66
1,1,1,2-Tetrachloroethane
Concen: 3.710 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34



Tgt Ion:131 Resp: 16471
Ion Ratio Lower Upper
131 100
133 97.5 46.9 140.6
119 68.5 33.2 99.6





#67

Ethyl Benzene

Concen: 3.225 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 91 Resp: 72590

Ion Ratio Lower Upper

91 100

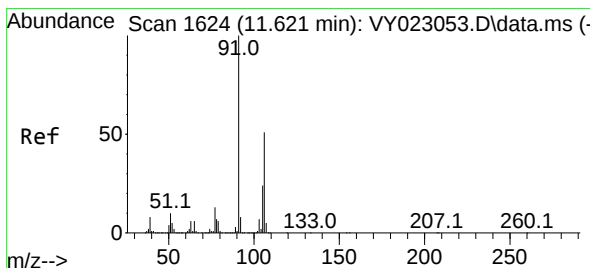
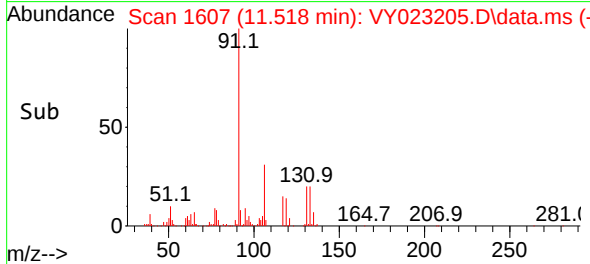
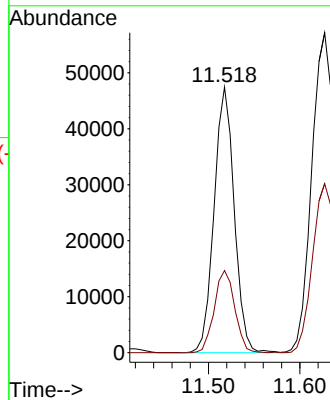
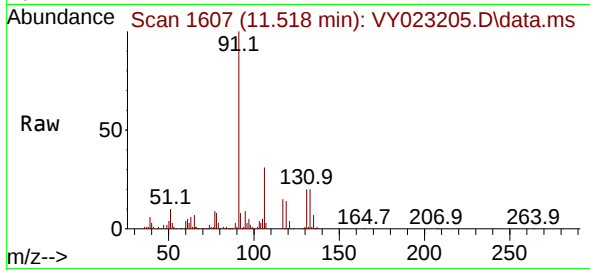
106 30.9 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025

Supervised By :Semsettin Yesilyurt 08/26/2025



#68

m/p-Xylenes

Concen: 6.393 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023205.D

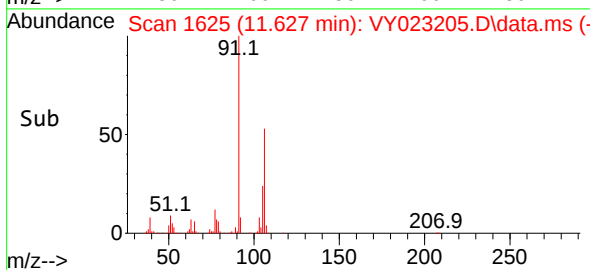
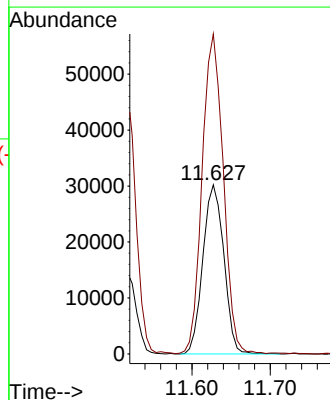
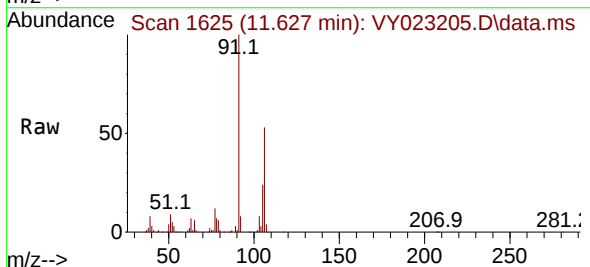
Acq: 25 Aug 2025 11:34

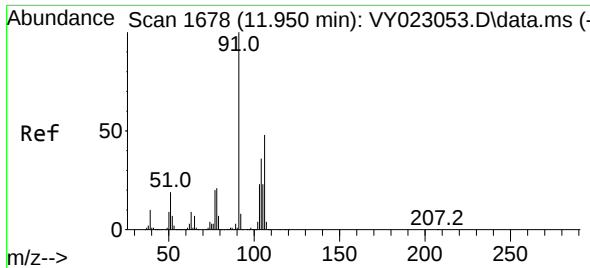
Tgt Ion:106 Resp: 56207

Ion Ratio Lower Upper

106 100

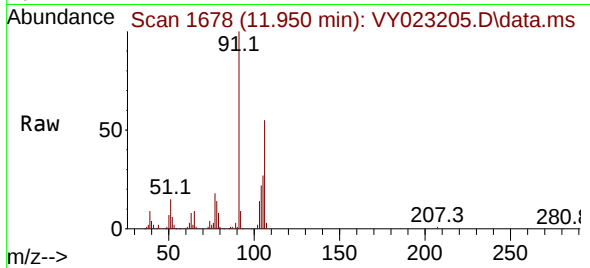
91 189.9 158.6 238.0





#69
o-Xylene
Concen: 3.256 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

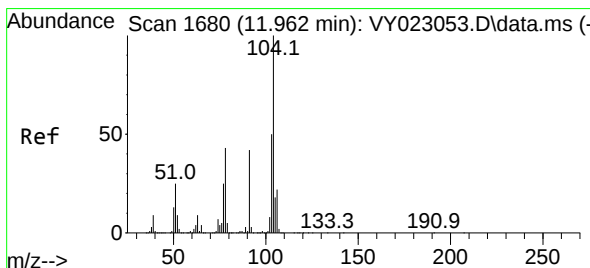
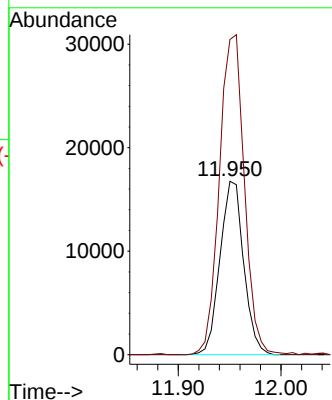
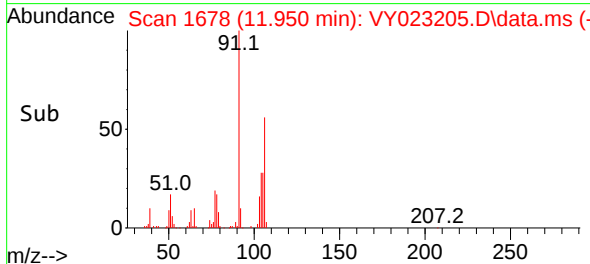
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



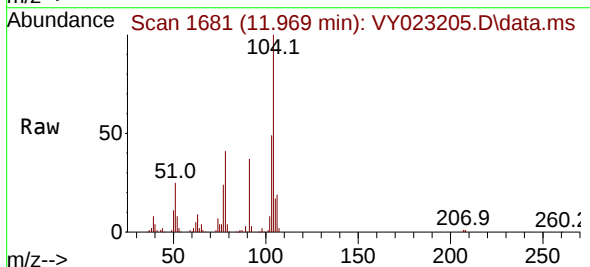
Tgt Ion:106 Resp: 26809
Ion Ratio Lower Upper
106 100
91 194.4 103.2 309.4

Manual Integrations
APPROVED

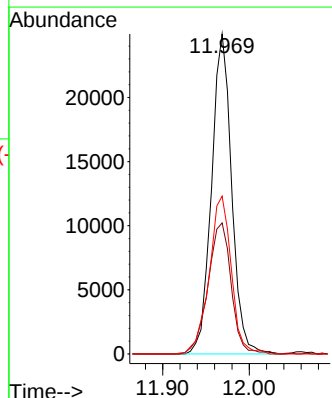
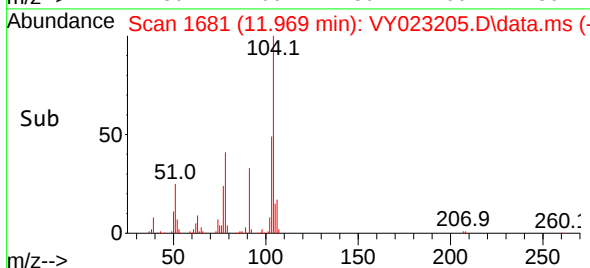
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025

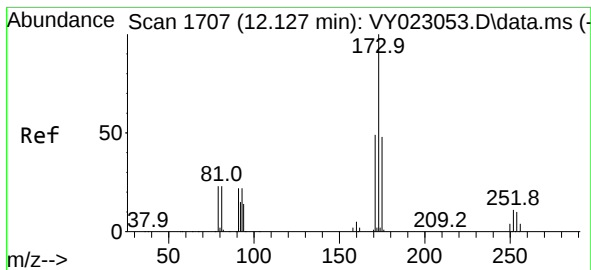


#70
Styrene
Concen: 2.989 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34



Tgt Ion:104 Resp: 40250
Ion Ratio Lower Upper
104 100
78 47.2 38.5 57.7
103 54.2 43.7 65.5





#71

Bromoform

Concen: 3.616 ug/l

RT: 12.127 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

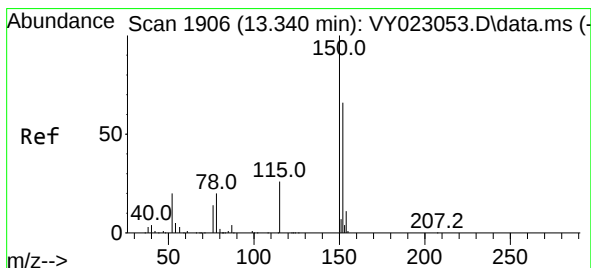
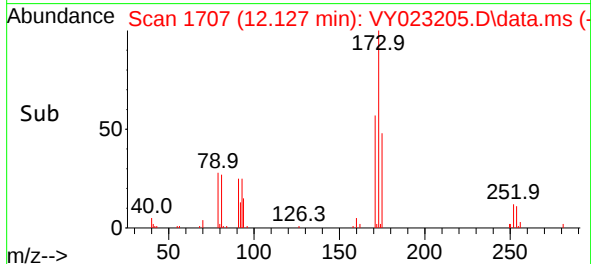
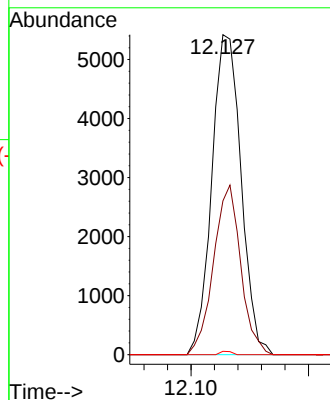
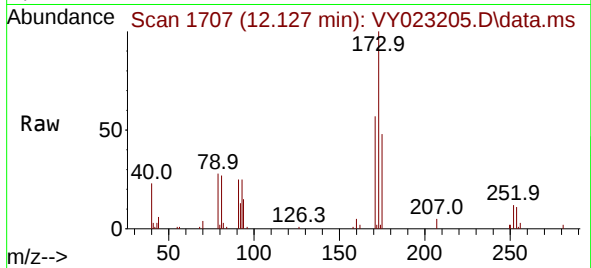
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:173	Resp:	9384
Ion Ratio	Lower	Upper
173	100	
175	49.2	23.9 71.7
254	0.4	0.1 0.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

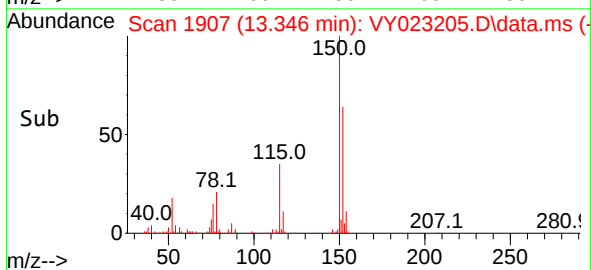
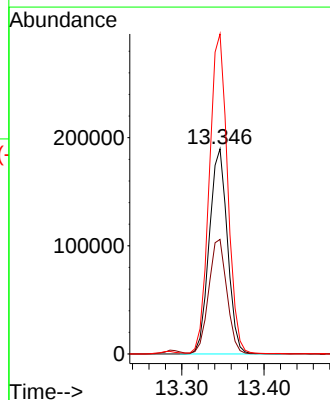
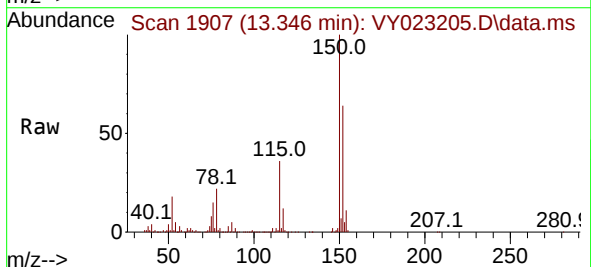
RT: 13.346 min Scan# 1907

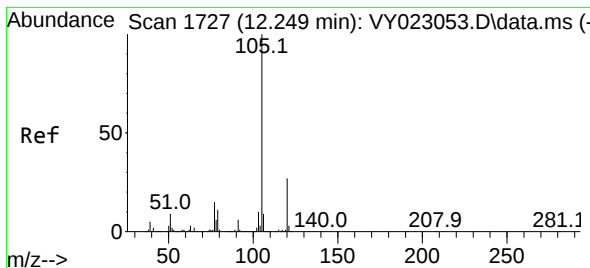
Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

Tgt Ion:152	Resp:	291593
Ion Ratio	Lower	Upper
152	100	
115	55.7	28.2 84.6
150	156.5	0.0 348.0





#73

Isopropylbenzene

Concen: 3.205 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.006 min

Lab File: VY023205.D

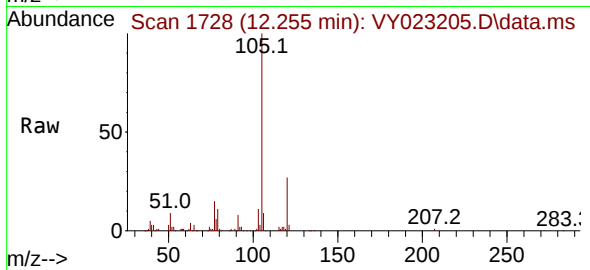
Acq: 25 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:105 Resp: 65958

Ion Ratio Lower Upper

105 100

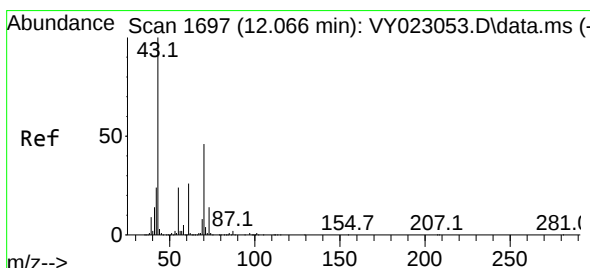
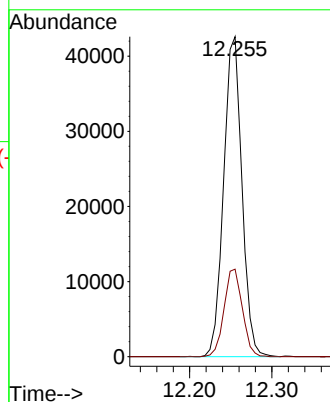
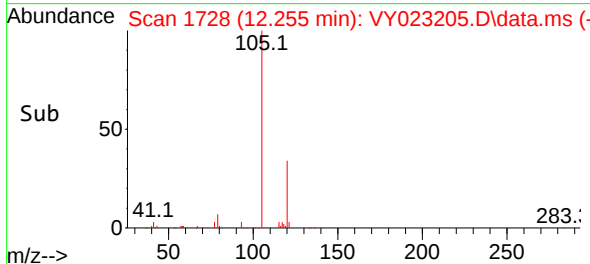
120 27.3 13.4 40.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025

Supervised By :Semsettin Yesilyurt 08/26/2025



#74

N-ethyl acetate

Concen: 2.532 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

Tgt Ion: 43 Resp: 11052

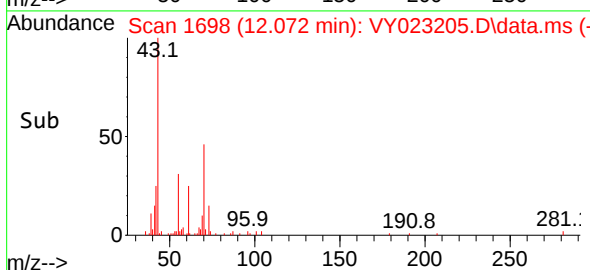
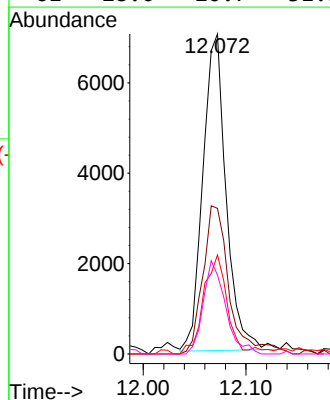
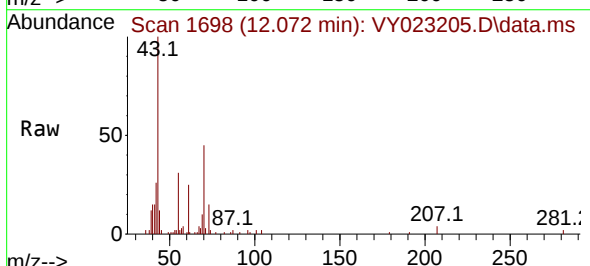
Ion Ratio Lower Upper

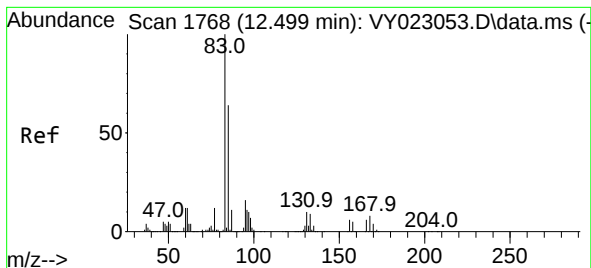
43 100

70 52.9 37.5 56.3

55 31.1 20.7 31.1

61 28.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 3.606 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

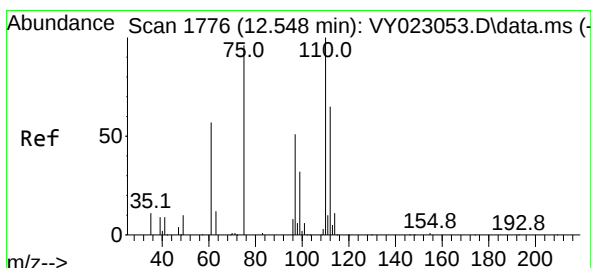
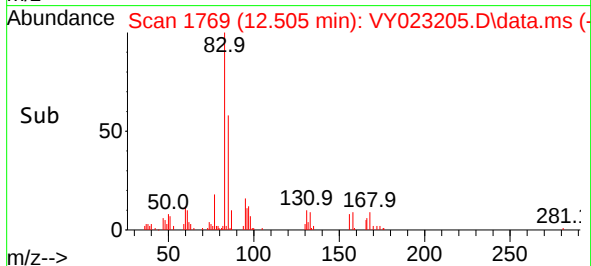
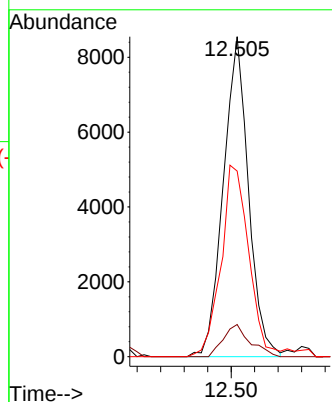
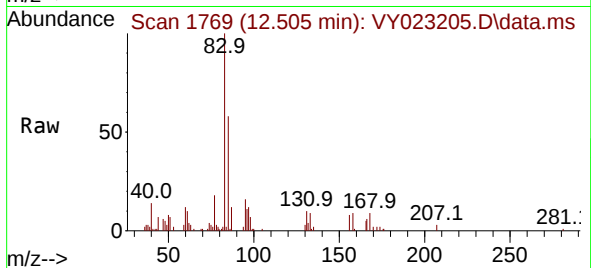
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 83	Resp: 1267
Ion Ratio	Lower Upper
83 100	
131 10.7	5.1 15.3
85 68.1	31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#76

1,2,3-Trichloropropane

Concen: 3.846 ug/l m

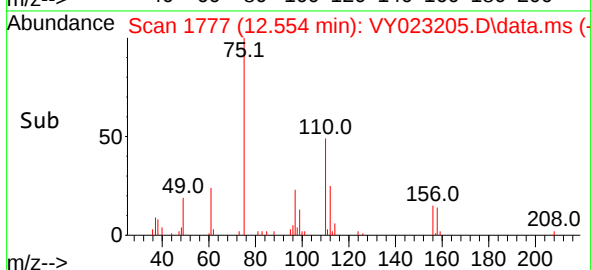
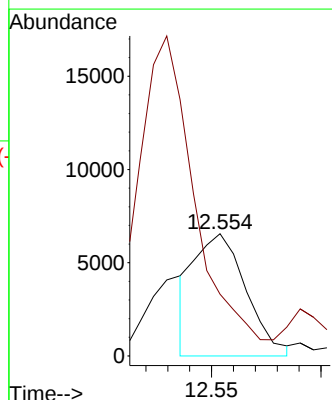
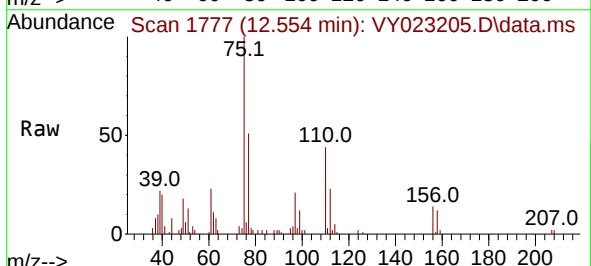
RT: 12.554 min Scan# 1777

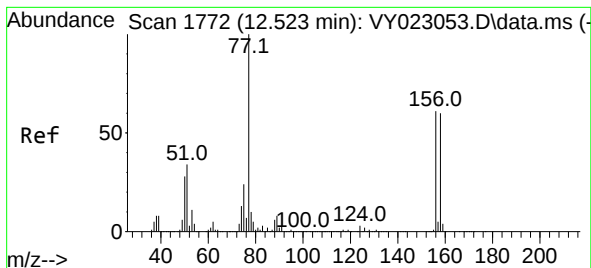
Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

Tgt Ion: 75	Resp: 10822
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0





#77

Bromobenzene

Concen: 3.813 ug/l

RT: 12.530 min Scan# 1772

Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

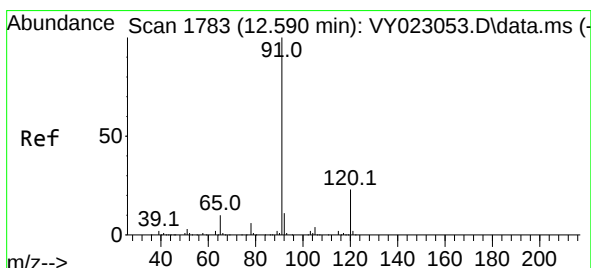
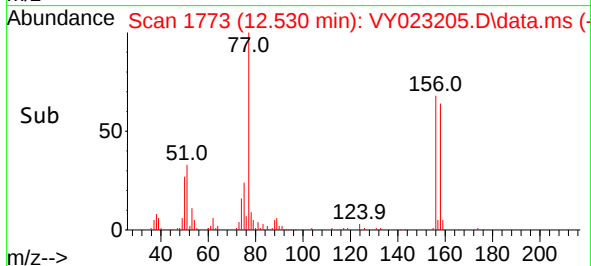
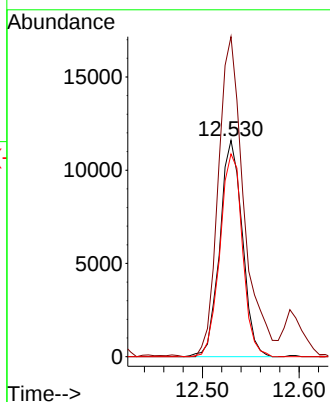
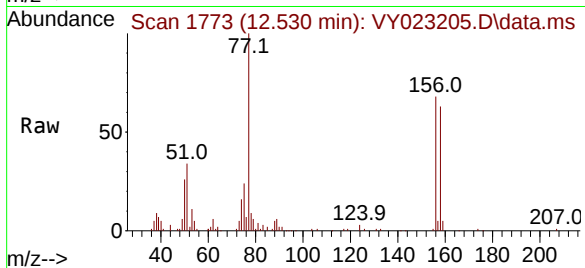
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:	156	Resp:	1872
Ion Ratio	Lower	Upper	
156	100		
77	168.6	88.1	264.4
158	93.7	48.0	144.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#78

n-propylbenzene

Concen: 3.349 ug/l

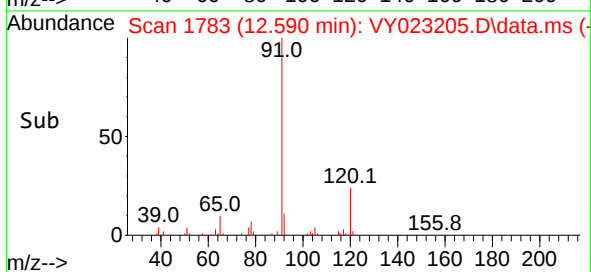
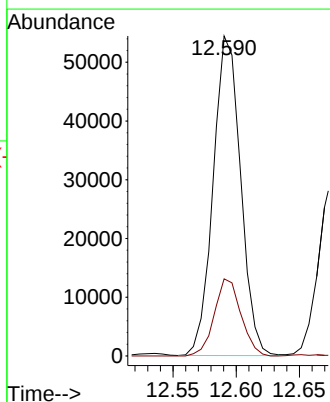
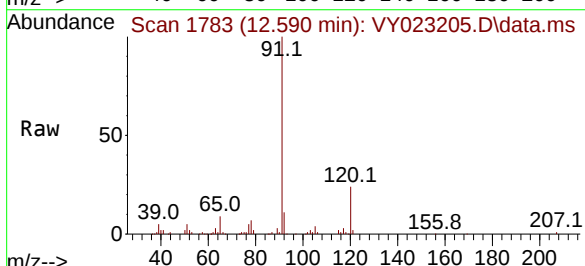
RT: 12.590 min Scan# 1783

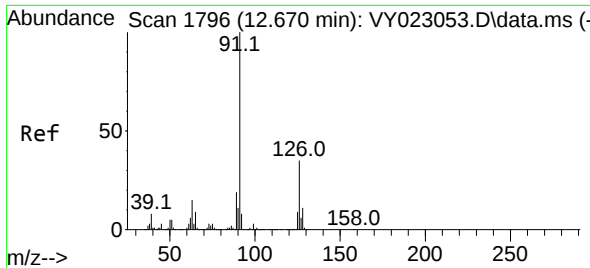
Delta R.T. 0.000 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

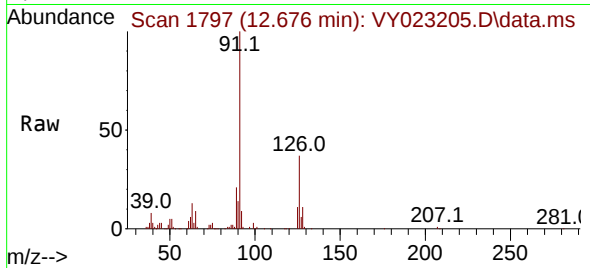
Tgt Ion:	91	Resp:	82063
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





#79
2-Chlorotoluene
Concen: 3.425 ug/l
RT: 12.676 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

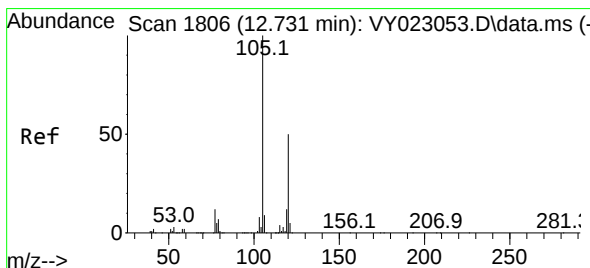
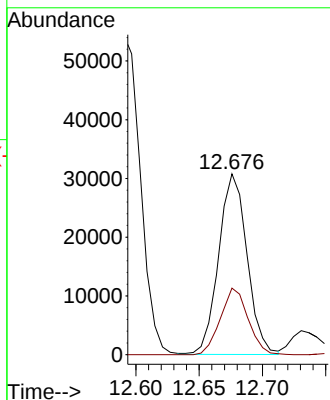
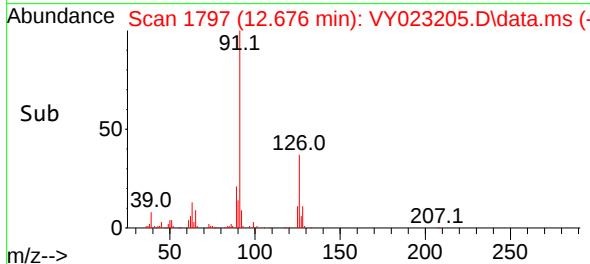
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



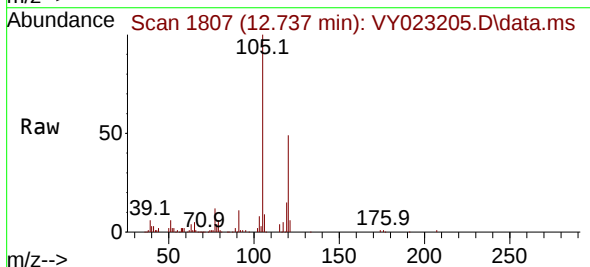
Tgt Ion: 91 Resp: 48070
Ion Ratio Lower Upper
91 100
126 35.9 17.4 52.3

Manual Integrations
APPROVED

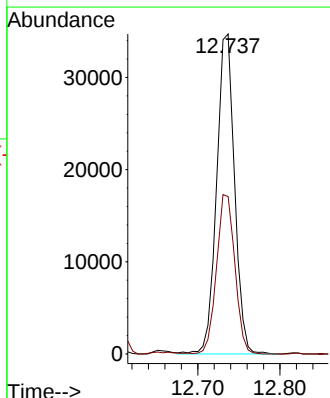
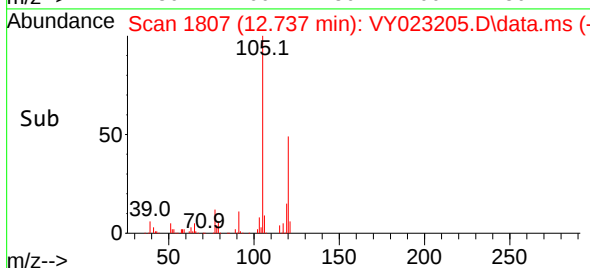
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025

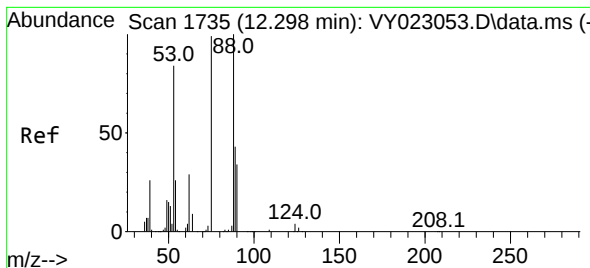


#80
1,3,5-Trimethylbenzene
Concen: 3.168 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34



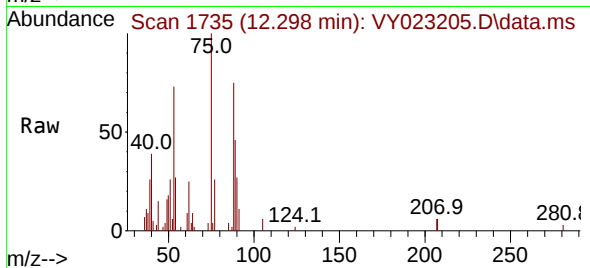
Tgt Ion:105 Resp: 52701
Ion Ratio Lower Upper
105 100
120 50.9 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 3.071 ug/l m
RT: 12.298 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

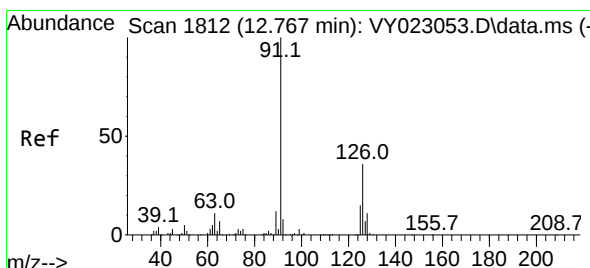
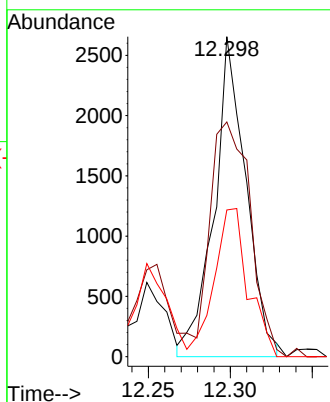
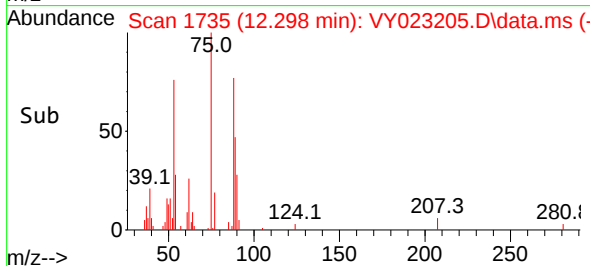
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 75 Resp: 3570
Ion Ratio Lower Upper
75 100
53 6.6 70.8 106.2
89 0.0 38.1 57.1

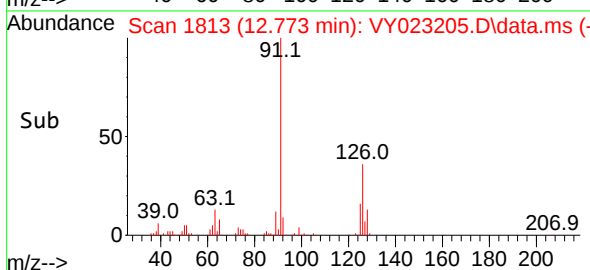
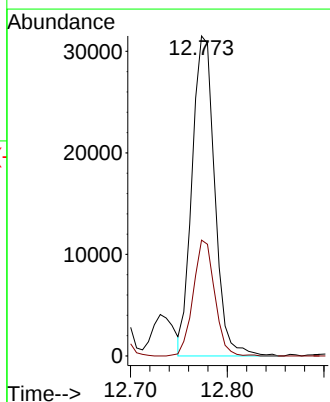
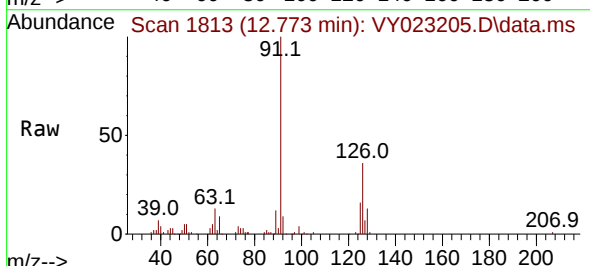
Manual Integrations
APPROVED

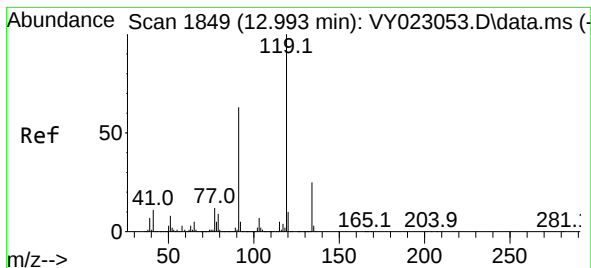
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#82
4-Chlorotoluene
Concen: 3.524 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

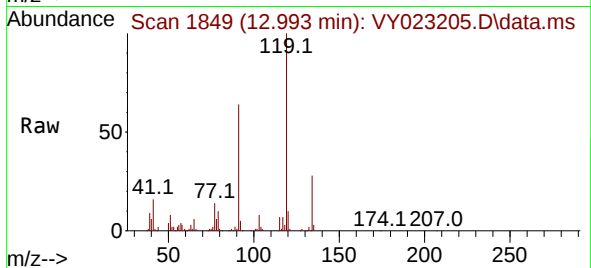
Tgt Ion: 91 Resp: 51328
Ion Ratio Lower Upper
91 100
126 34.3 17.3 52.0





#83
tert-Butylbenzene
Concen: 3.079 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

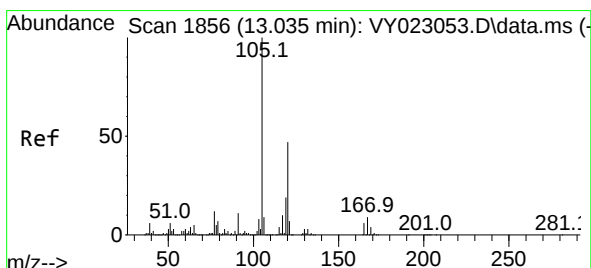
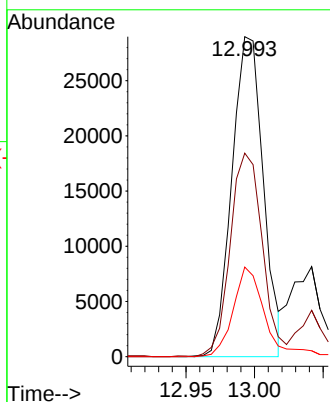
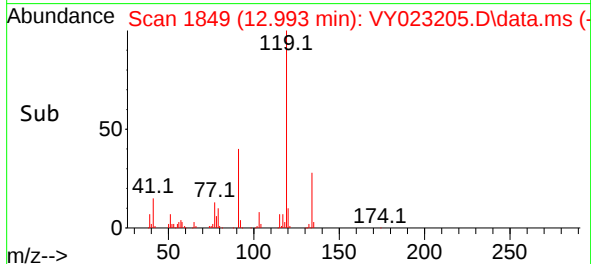
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025



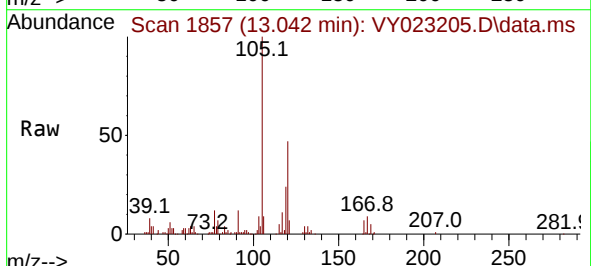
Tgt Ion:119 Resp: 46260
Ion Ratio Lower Upper
119 100
91 65.2 31.6 94.8
134 28.2 12.9 38.7

Manual Integrations
APPROVED

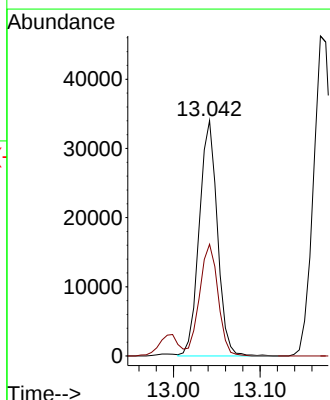
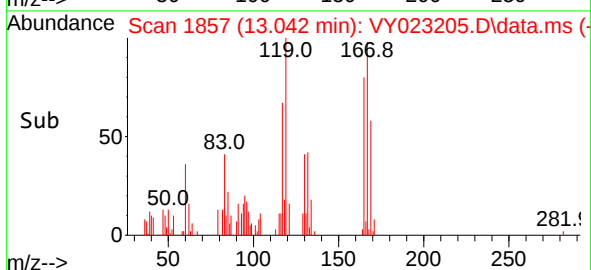
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025

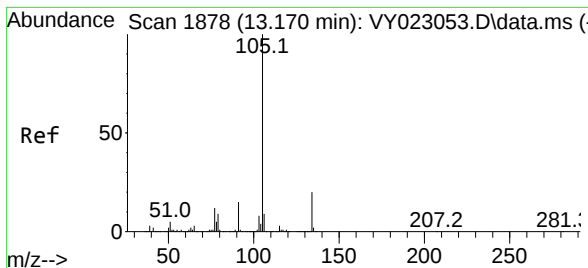


#84
1,2,4-Trimethylbenzene
Concen: 2.988 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34



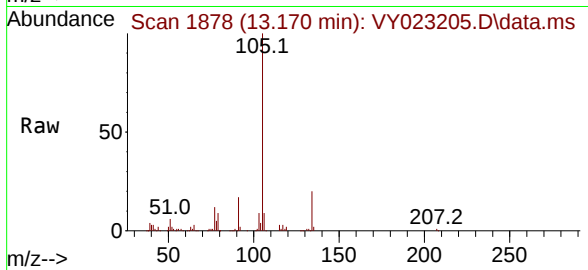
Tgt Ion:105 Resp: 49477
Ion Ratio Lower Upper
105 100
120 48.6 23.0 69.0





#85
 sec-Butylbenzene
 Concen: 3.218 ug/l
 RT: 13.170 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VY023205.D
 Acq: 25 Aug 2025 11:34

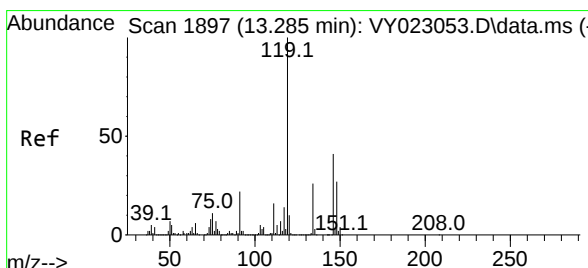
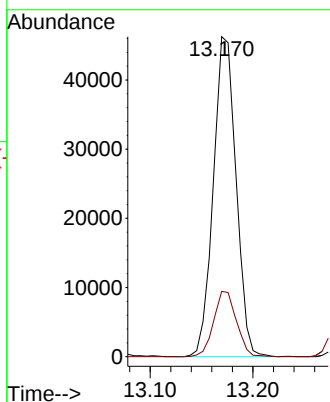
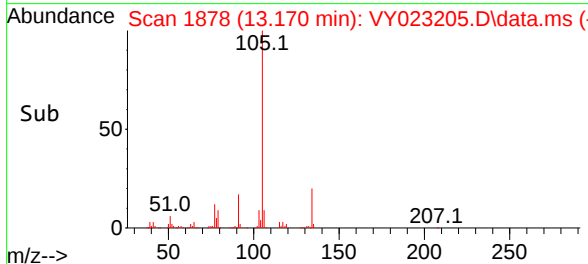
Instrument : MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025



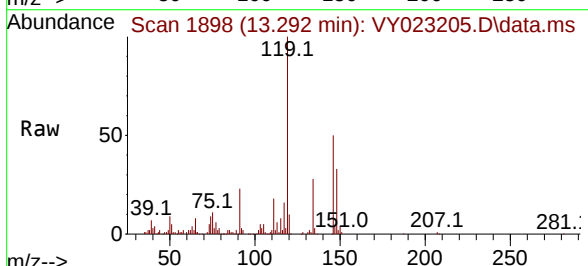
Tgt Ion:105 Resp: 71020
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.4

Manual Integrations
 APPROVED

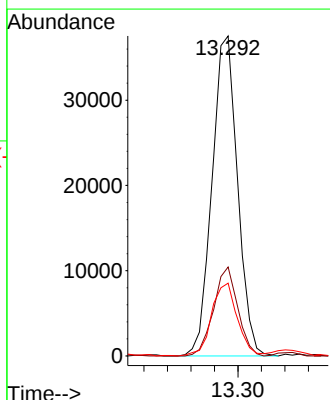
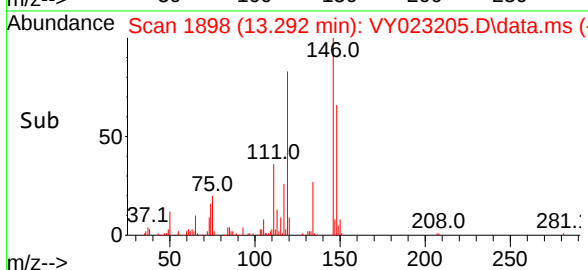
Reviewed By :Mahesh Dadoda 08/26/2025
 Supervised By :Semsettin Yesilyurt 08/26/2025

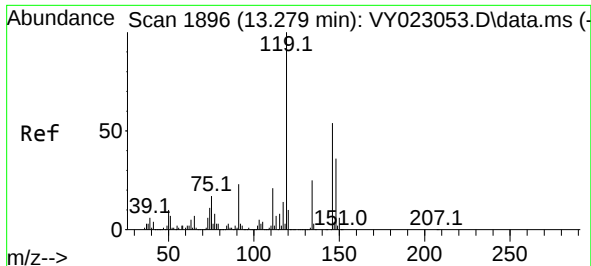


#86
 p-Isopropyltoluene
 Concen: 3.095 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. 0.006 min
 Lab File: VY023205.D
 Acq: 25 Aug 2025 11:34



Tgt Ion:119 Resp: 56699
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.6
 91 23.0 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 3.690 ug/l

RT: 13.285 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

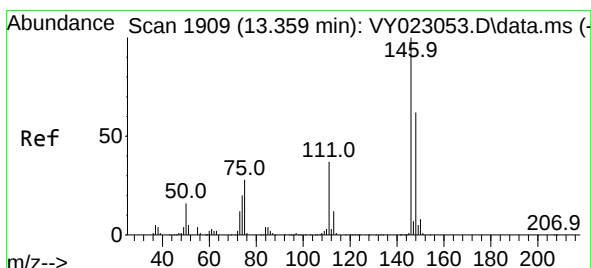
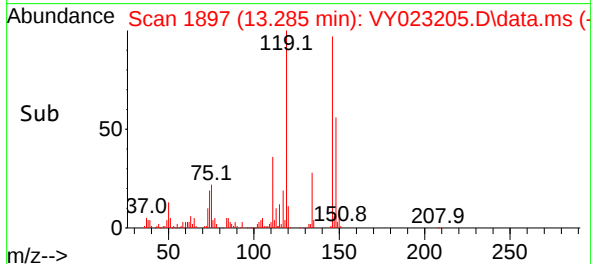
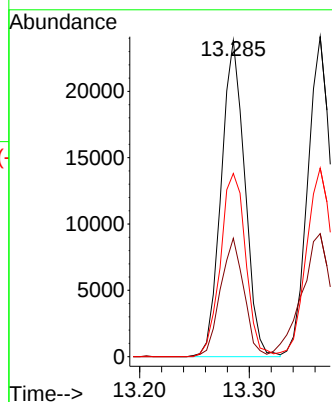
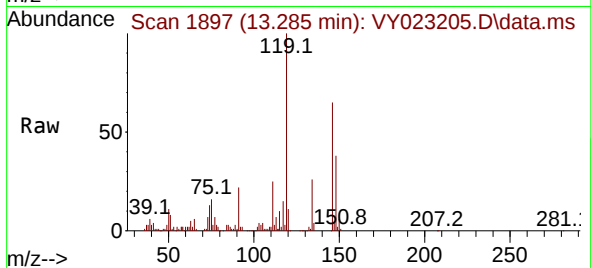
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:146	Resp:	35724
Ion Ratio	Lower	Upper
146	100	
111	37.2	19.6 58.7
148	62.0	32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#88

1,4-Dichlorobenzene

Concen: 3.782 ug/l

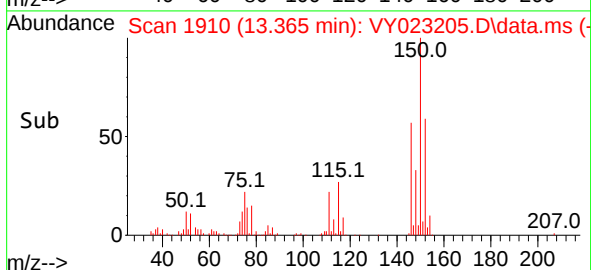
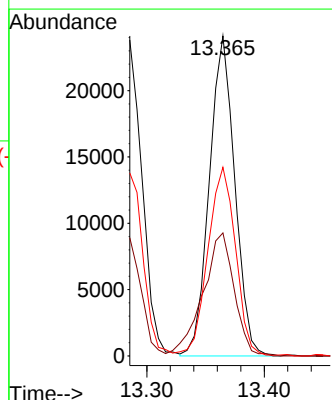
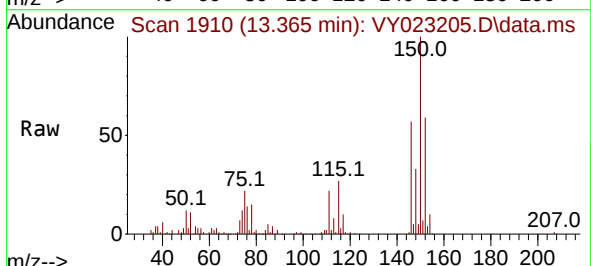
RT: 13.365 min Scan# 1910

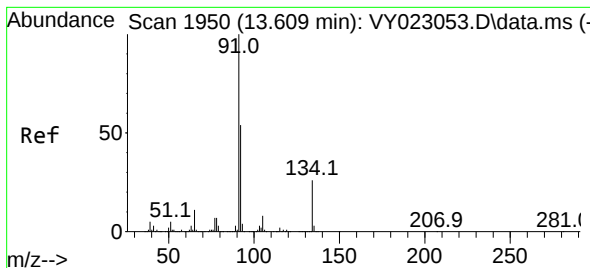
Delta R.T. 0.006 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

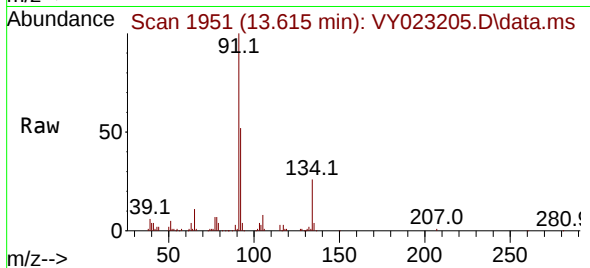
Tgt Ion:146	Resp:	36324
Ion Ratio	Lower	Upper
146	100	
111	47.3	19.1 57.1
148	63.6	31.6 94.7





#89
n-Butylbenzene
Concen: 3.173 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

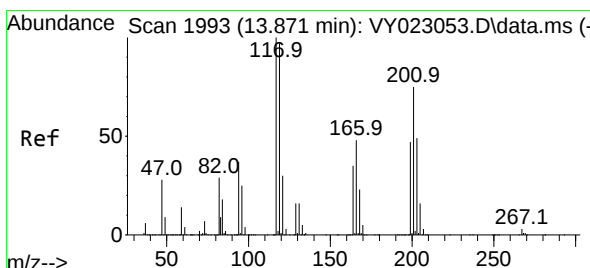
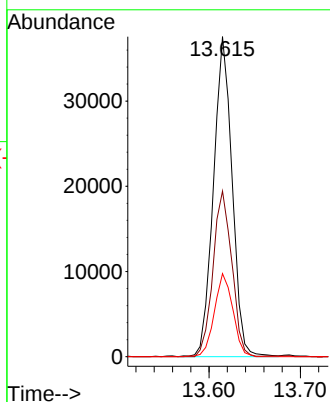
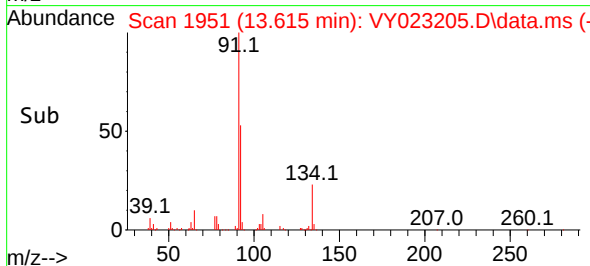
Instrument : MSVOA_Y
ClientSampleId : VY023205.D
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 91 Resp: 53370
Ion Ratio Lower Upper
91 100
92 52.0 26.9 80.7
134 25.7 13.2 39.5

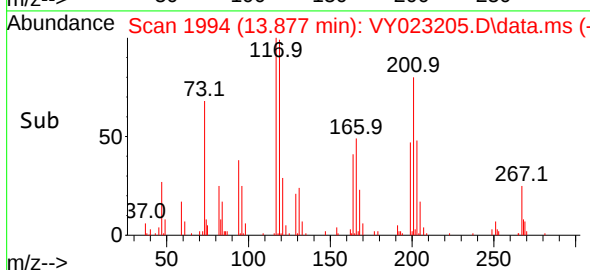
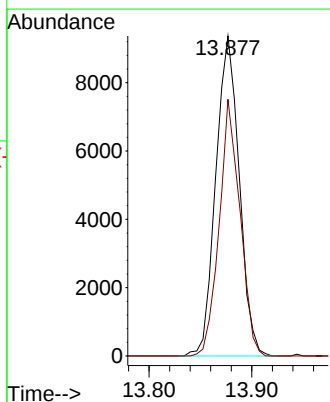
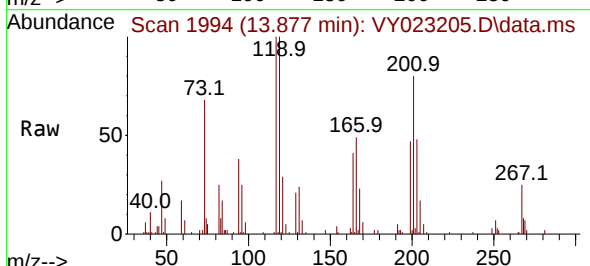
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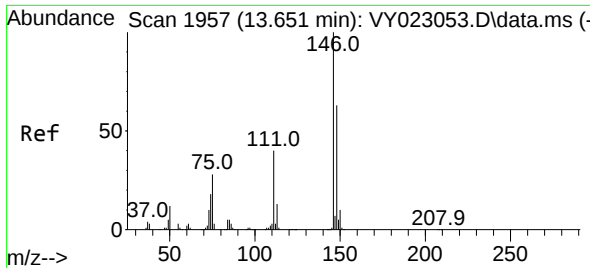
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#90
Hexachloroethane
Concen: 3.942 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

Tgt Ion:117 Resp: 14783
Ion Ratio Lower Upper
117 100
201 71.3 38.4 115.1





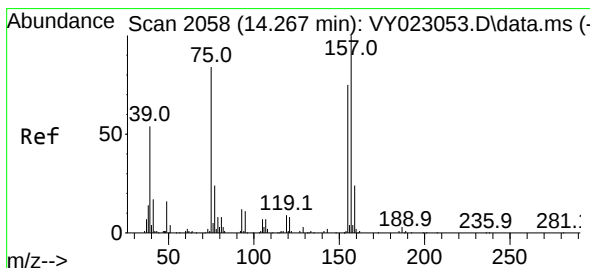
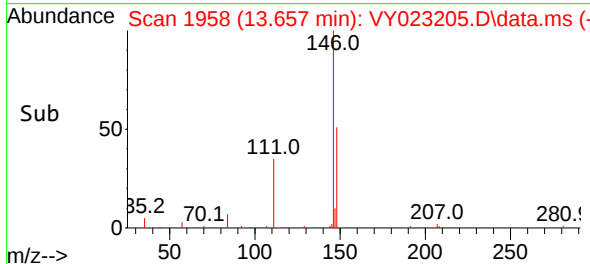
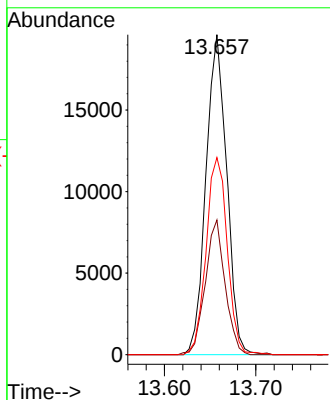
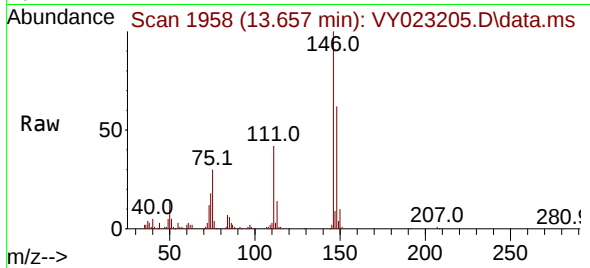
#91
1,2-Dichlorobenzene
Concen: 3.644 ug/l
RT: 13.657 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.8
148	62.8	32.2	96.6

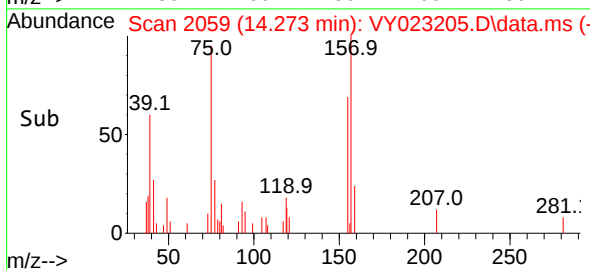
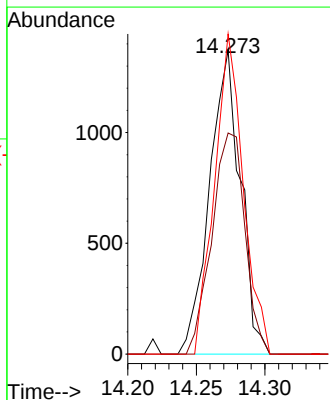
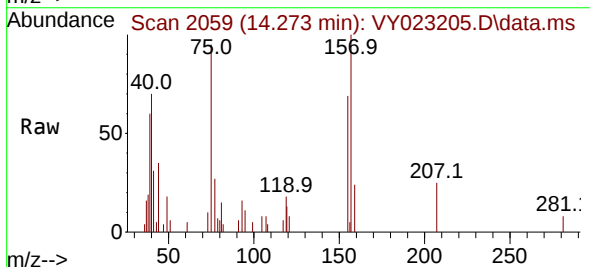
Manual Integrations
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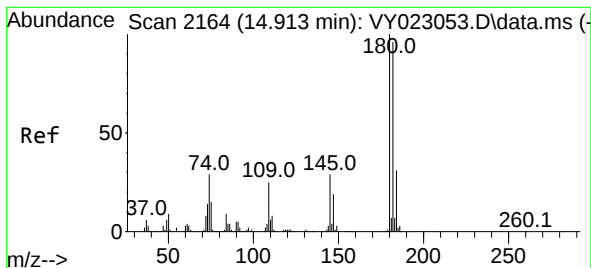
Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.930 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023205.D
Acq: 25 Aug 2025 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	43.9	131.6
157	97.8	57.2	171.6





#93

1,2,4-Trichlorobenzene

Concen: 3.410 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY023205.D

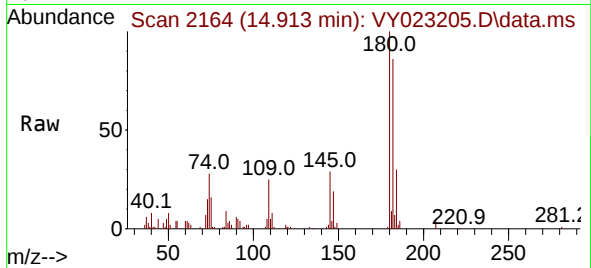
Acq: 25 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

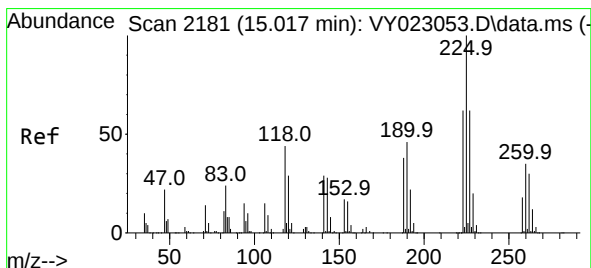
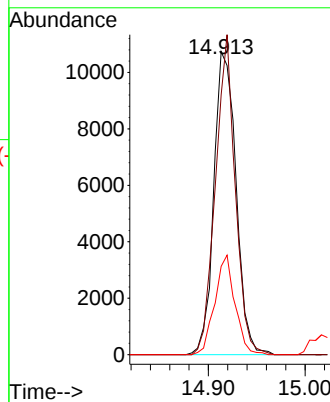
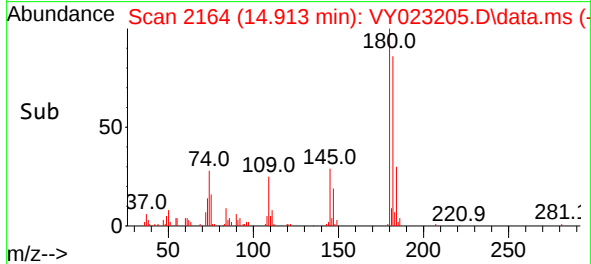


Tgt Ion:180	Resp:	17124
Ion Ratio	Lower	Upper
180	100	
182	94.0	46.8 140.4
145	29.9	14.4 43.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#94

Hexachlorobutadiene

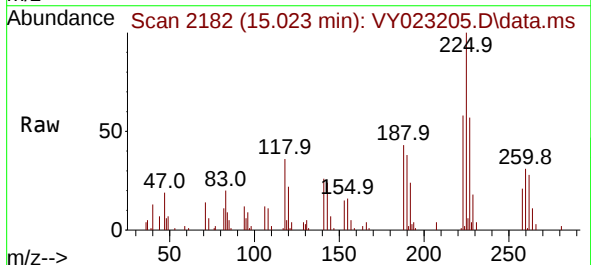
Concen: 3.991 ug/l

RT: 15.023 min Scan# 2182

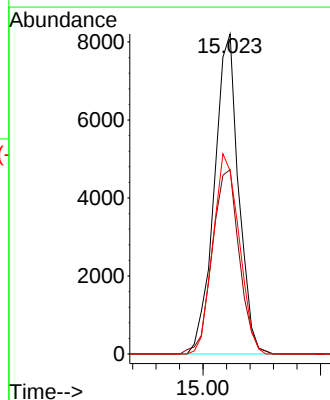
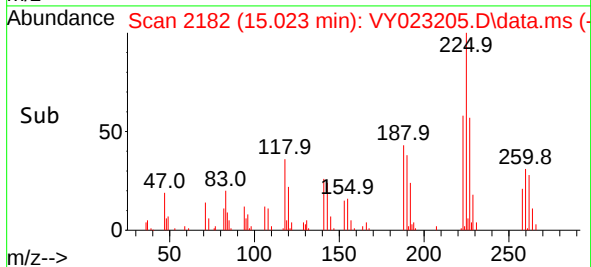
Delta R.T. 0.006 min

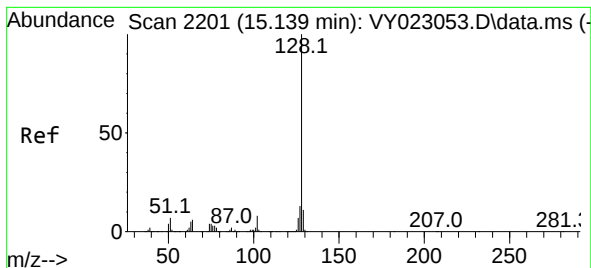
Lab File: VY023205.D

Acq: 25 Aug 2025 11:34



Tgt Ion:225	Resp:	11776
Ion Ratio	Lower	Upper
225	100	
223	64.0	31.3 93.8
227	67.4	31.5 94.5





#95

Naphthalene

Concen: 2.643 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY023205.D

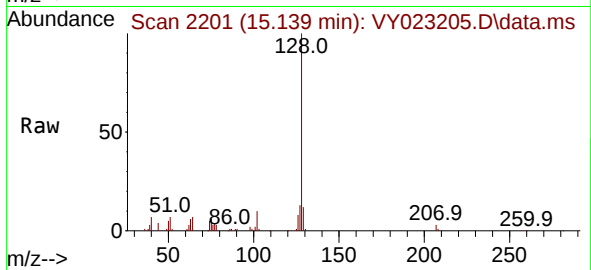
Acq: 25 Aug 2025 11:34

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

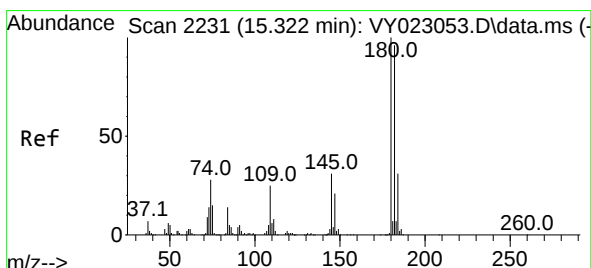
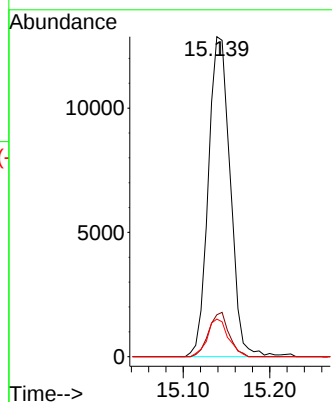
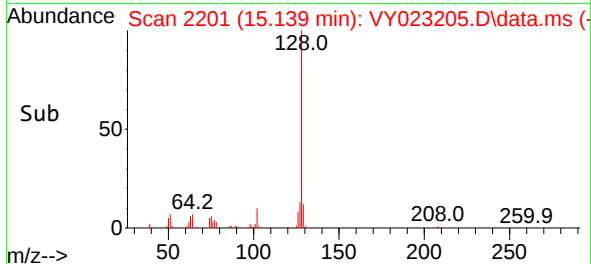


Tgt Ion:	128	Resp:	22628
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	11.3	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
Supervised By :Semsettin Yesilyurt 08/26/2025



#96

1,2,3-Trichlorobenzene

Concen: 3.375 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY023205.D

Acq: 25 Aug 2025 11:34

Tgt Ion:	180	Resp:	14604
Ion Ratio	Lower	Upper	
180	100		
182	91.8	47.9	143.7
145	32.0	15.9	47.7

