

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022543.D
 Acq On : 04 Jun 2025 12:16
 Operator : SY/MD
 Sample : Q2126-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Quant Time: Jun 05 04:12:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	172186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	307202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	253215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	112833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	103404	53.694	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.380%			
35) Dibromofluoromethane	7.634	113	93597	51.045	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.080%			
50) Toluene-d8	10.103	98	376762	50.852	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.700%			
62) 4-Bromofluorobenzene	12.407	95	105015	47.572	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	6914	4.485	ug/l	97
3) Chloromethane	2.068	50	18291	4.016	ug/l	94
4) Vinyl Chloride	2.202	62	25098	4.750	ug/l	97
5) Bromomethane	2.592	94	24971	4.931	ug/l	88
6) Chloroethane	2.738	64	16785	4.629	ug/l	94
7) Trichlorofluoromethane	3.049	101	21775	4.855	ug/l	100
8) Diethyl Ether	3.458	74	4564	4.519	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	8256	4.371	ug/l	96
10) Methyl Iodide	4.000	142	7798	3.815	ug/l	93
11) Tert butyl alcohol	4.860	59	3234	23.512	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	8344	4.621	ug/l	81
13) Acrolein	3.647	56	3304	19.274	ug/l	93
14) Allyl chloride	4.378	41	12263	4.326	ug/l	98
15) Acrylonitrile	5.061	53	9302	21.745	ug/l	96
16) Acetone	3.866	43	7260	18.563	ug/l	95
17) Carbon Disulfide	4.104	76	24186	4.184	ug/l	100
18) Methyl Acetate	4.391	43	6163	5.321	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	21040	4.137	ug/l	92
20) Methylene Chloride	4.610	84	10079	4.537	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	8784	4.347	ug/l	94
22) Diisopropyl ether	6.018	45	25966	4.115	ug/l	99
23) Vinyl Acetate	5.957	43	71604	19.174	ug/l	94
24) 1,1-Dichloroethane	5.915	63	15976	4.298	ug/l	98
25) 2-Butanone	6.890	43	11549	20.472	ug/l	93
26) 2,2-Dichloropropane	6.878	77	13921	4.239	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	10135	4.339	ug/l	97
28) Bromochloromethane	7.244	49	7117	4.392	ug/l #	95
29) Tetrahydrofuran	7.256	42	7631	20.973	ug/l	96
30) Chloroform	7.414	83	15667	4.255	ug/l	86
31) Cyclohexane	7.701	56	19408	5.245	ug/l #	92
32) 1,1,1-Trichloroethane	7.622	97	14151	4.330	ug/l	98
36) 1,1-Dichloropropene	7.841	75	12175	4.091	ug/l	98
37) Ethyl Acetate	6.976	43	5622	4.236	ug/l #	73
38) Carbon Tetrachloride	7.817	117	12010	3.934	ug/l	98
39) Methylcyclohexane	9.103	83	14818	3.705	ug/l	97
40) Benzene	8.079	78	36604	4.164	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	3710m	4.786	ug/l	
42) 1,2-Dichloroethane	8.152	62	10305	4.294	ug/l	98
43) Isopropyl Acetate	8.201	43	11542	4.027	ug/l #	95
44) Trichloroethene	8.859	130	8497	3.955	ug/l	98
45) 1,2-Dichloropropane	9.140	63	8165	3.931	ug/l	95
46) Dibromomethane	9.225	93	4900	4.193	ug/l	99
47) Bromodichloromethane	9.420	83	12239	4.130	ug/l #	94
48) Methyl methacrylate	9.225	41	5090	3.784	ug/l	98
49) 1,4-Dioxane	9.231	88	1007	72.732	ug/l #	65
51) 4-Methyl-2-Pentanone	9.999	43	24587	17.205	ug/l	96
52) Toluene	10.170	92	21148	3.829	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	9425	3.395	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	12535	3.878	ug/l	94
55) 1,1,2-Trichloroethane	10.572	97	5921	3.973	ug/l	96
56) Ethyl methacrylate	10.438	69	7326	3.401	ug/l	92
57) 1,3-Dichloropropane	10.713	76	10363	3.924	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.713	63	19535	19.977	ug/l	99
59) 2-Hexanone	10.761	43	17144	17.938	ug/l	97
60) Dibromochloromethane	10.908	129	7132	3.766	ug/l	99
61) 1,2-Dibromoethane	11.017	107	4999	3.680	ug/l	96
64) Tetrachloroethene	10.652	164	8376	3.845	ug/l #	89
65) Chlorobenzene	11.438	112	21621	3.859	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.517	131	7743	4.102	ug/l	97
67) Ethyl Benzene	11.517	91	39221	3.774	ug/l	96
68) m/p-Xylenes	11.627	106	28111	7.135	ug/l	100
69) o-Xylene	11.950	106	13600	3.682	ug/l	98
70) Styrene	11.969	104	21921	3.590	ug/l	99
71) Bromoform	12.133	173	3698	3.681	ug/l #	95
73) Isopropylbenzene	12.255	105	34369	3.710	ug/l	97
74) N-amyl acetate	12.072	43	9045	3.870	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	6249	4.110	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	5494m	4.256	ug/l	
77) Bromobenzene	12.529	156	8032	4.109	ug/l	98
78) n-propylbenzene	12.596	91	42743	3.778	ug/l	97
79) 2-Chlorotoluene	12.676	91	22873	3.814	ug/l	94
80) 1,3,5-Trimethylbenzene	12.731	105	26222	3.606	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.304	75	1972	3.689	ug/l	98
82) 4-Chlorotoluene	12.773	91	23426	3.787	ug/l	98
83) tert-Butylbenzene	12.999	119	25148	3.853	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	27288	3.751	ug/l	94
85) sec-Butylbenzene	13.170	105	36020	3.603	ug/l	99
86) p-Isopropyltoluene	13.291	119	28563	3.466	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	14936	3.771	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	15131	3.939	ug/l	90
89) n-Butylbenzene	13.615	91	28513	3.647	ug/l	98
90) Hexachloroethane	13.877	117	6256	3.900	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	13045	3.879	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	937	4.233	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	6870	3.746	ug/l	96
94) Hexachlorobutadiene	15.023	225	3645	3.601	ug/l	93
95) Naphthalene	15.145	128	12506	3.553	ug/l	97
96) 1,2,3-Trichlorobenzene	15.322	180	6428	4.090	ug/l	97

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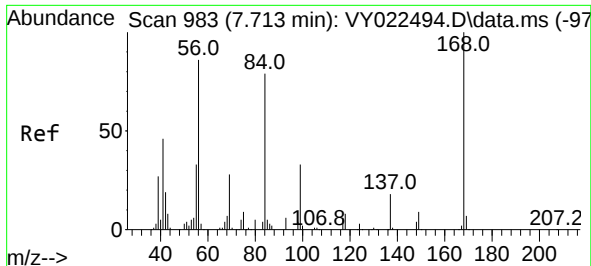
Manual Integrations
APPROVED

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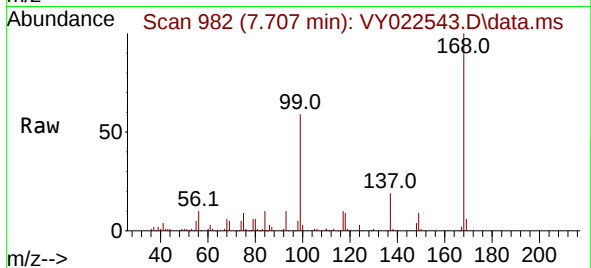
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
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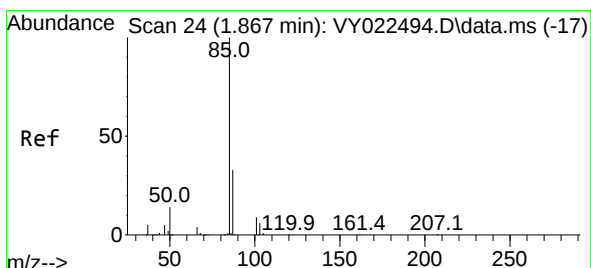
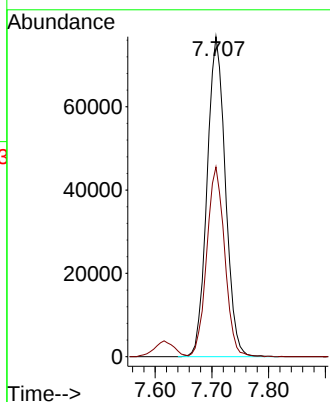
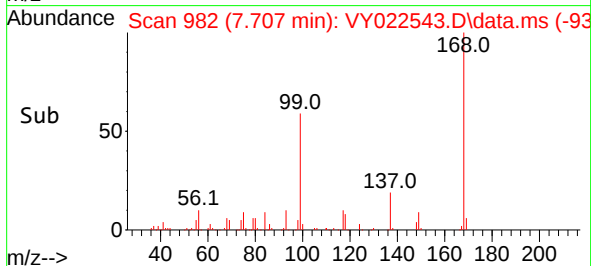
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Tgt Ion:168 Resp: 172180
Ion Ratio Lower Upper
168 100
99 59.3 44.3 66.5

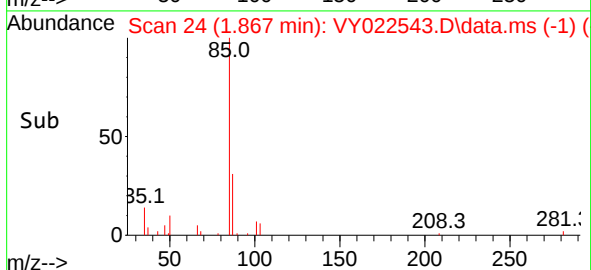
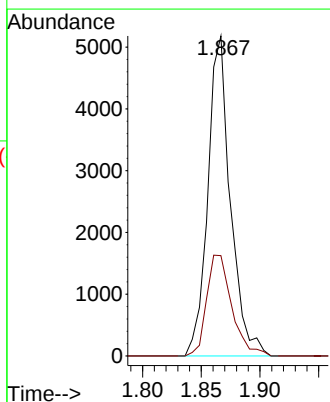
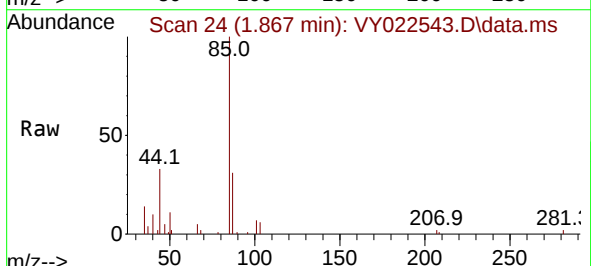
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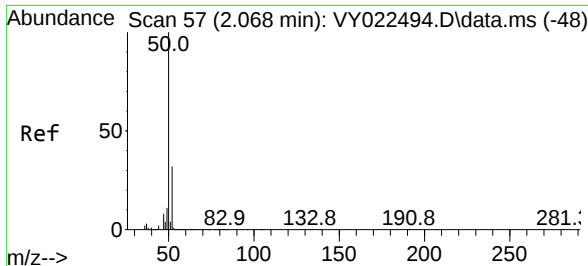
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#2
Dichlorodifluoromethane
Concen: 4.485 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

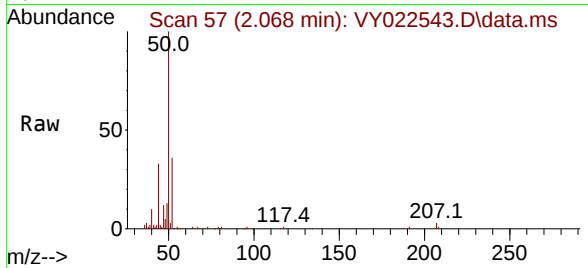
Tgt Ion: 85 Resp: 6914
Ion Ratio Lower Upper
85 100
87 31.3 16.7 50.0





#3
Chloromethane
Concen: 4.016 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

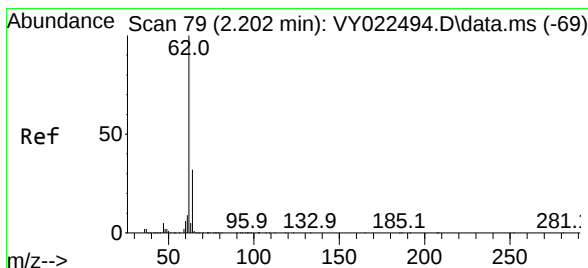
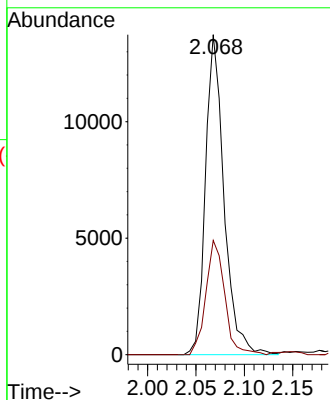
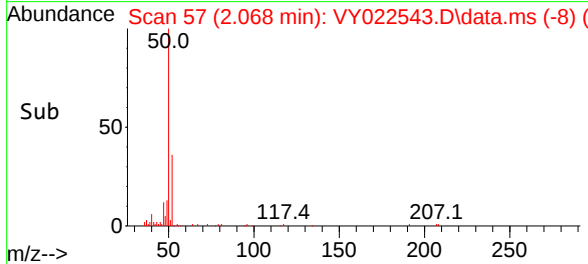
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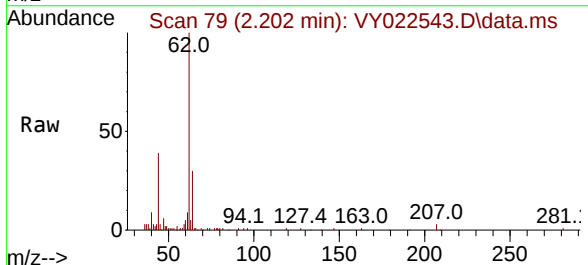
Tgt Ion: 50 Resp: 1829
Ion Ratio Lower Upper
50 100
52 35.7 26.0 39.0

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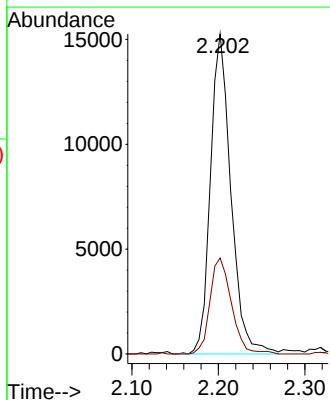
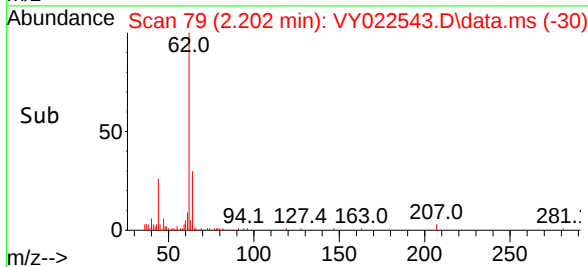
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#4
Vinyl Chloride
Concen: 4.750 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16



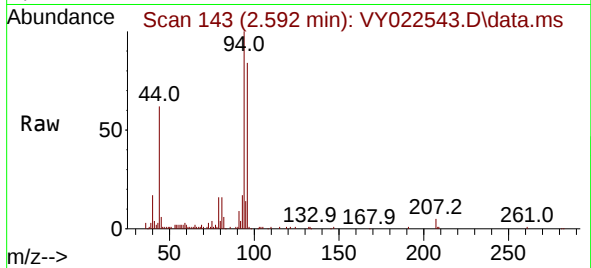
Tgt Ion: 62 Resp: 25098
Ion Ratio Lower Upper
62 100
64 30.0 25.3 37.9





#5
Bromomethane
Concen: 4.931 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

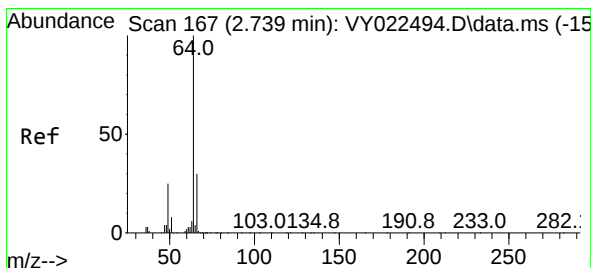
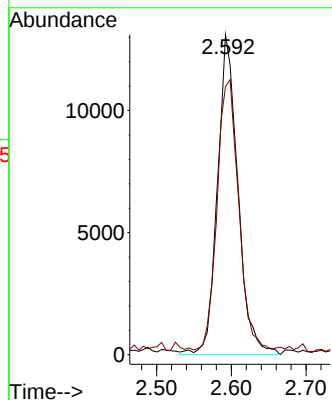
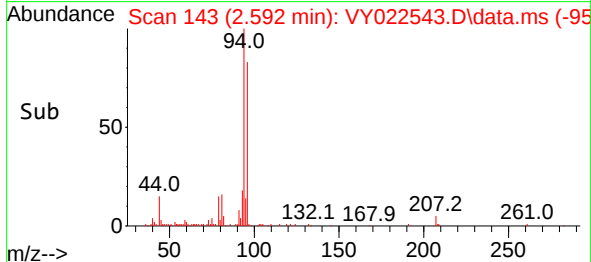
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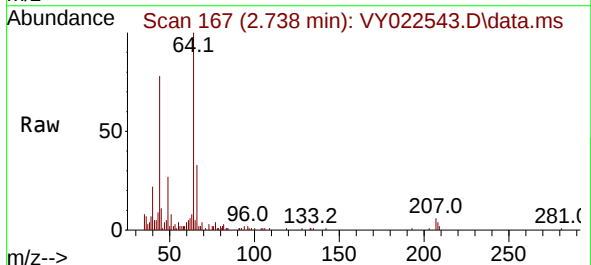
Tgt Ion: 94 Resp: 2497
Ion Ratio Lower Upper
94 100
96 81.4 74.0 111.0

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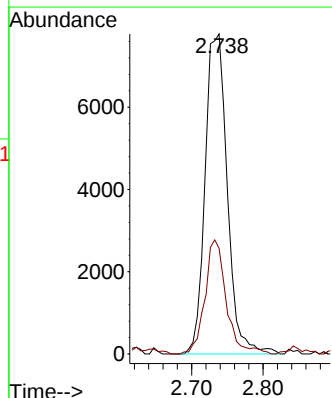
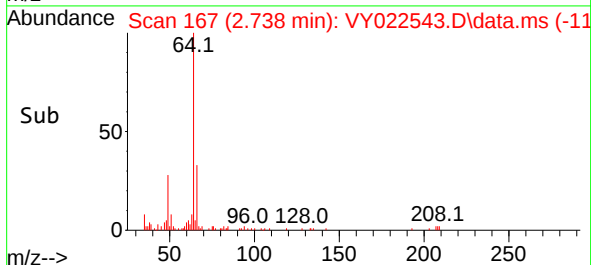
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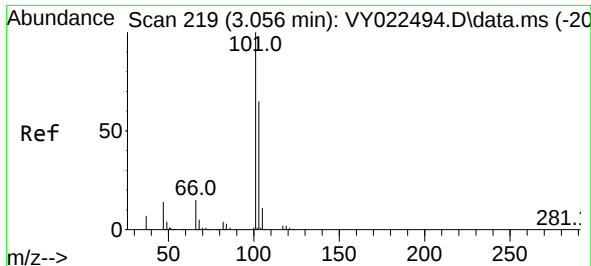


#6
Chloroethane
Concen: 4.629 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022543.D
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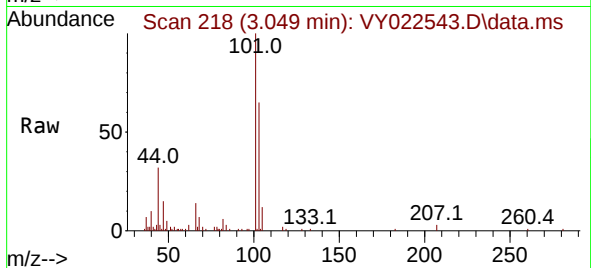
Tgt Ion: 64 Resp: 16785
Ion Ratio Lower Upper
64 100
66 33.0 23.8 35.6





#7
Trichlorofluoromethane
Concen: 4.855 ug/l
RT: 3.049 min Scan# 2177
Delta R.T. -0.006 min
Lab File: VY022543.D
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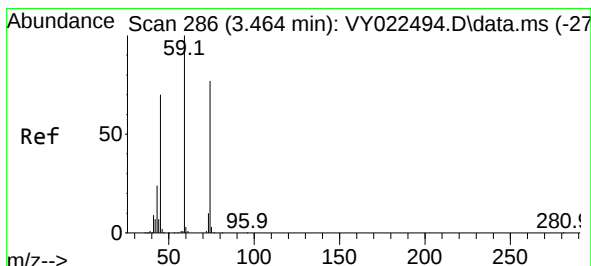
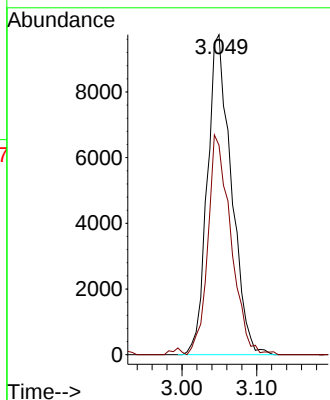
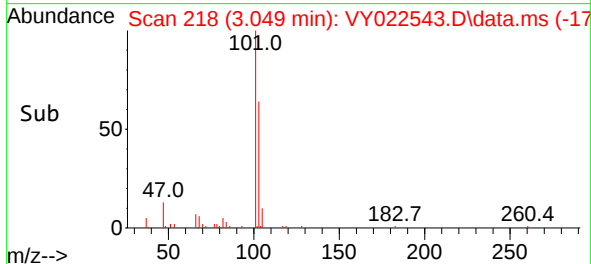
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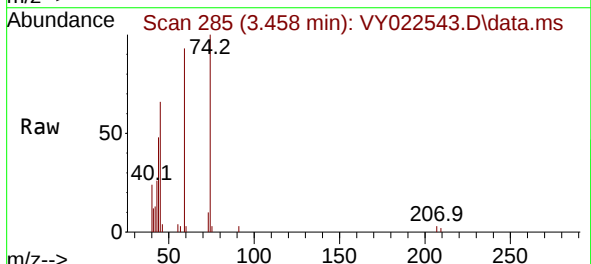
Tgt Ion:101 Resp: 2177
Ion Ratio Lower Upper
101 100
103 65.5 52.2 78.2

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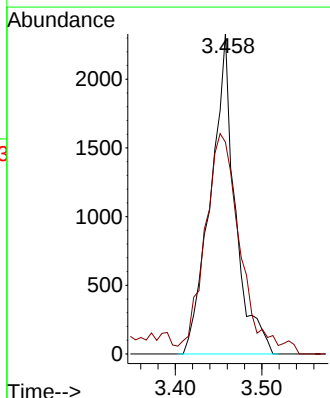
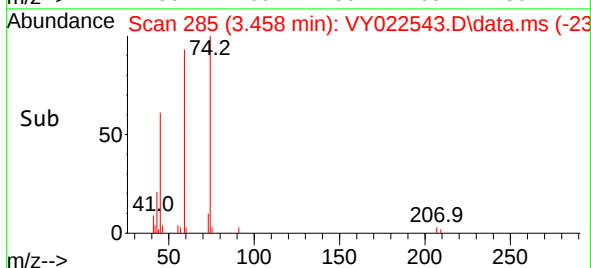
Reviewed By :Mahesh Dadoda 06/05/2025
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#8
Diethyl Ether
Concen: 4.519 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY022543.D
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Tgt Ion: 74 Resp: 4564
Ion Ratio Lower Upper
74 100
45 99.6 45.9 137.6





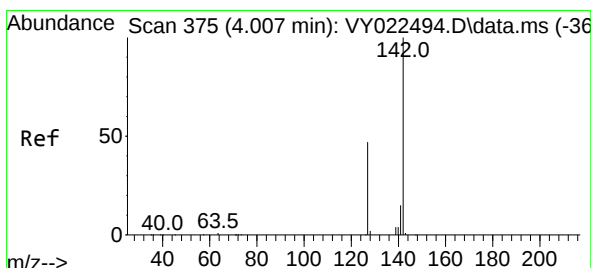
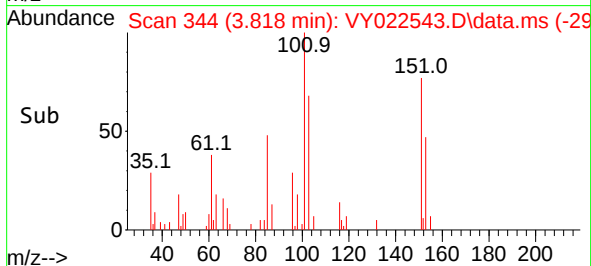
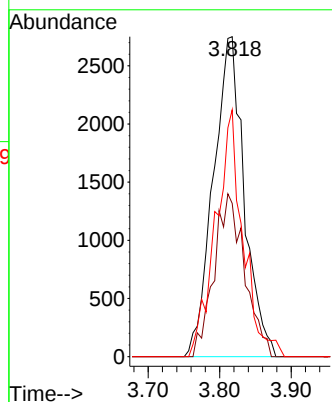
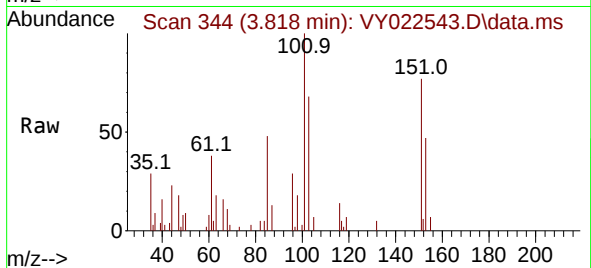
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1,1,2-Trichlorotrifluoroethane
Concen: 4.371 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022543.D
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MDL-SOIL-03-QT2-2025

Tgt Ion:101 Resp: 8250
Ion Ratio Lower Upper
101 100
85 50.6 39.3 58.9
151 68.2 57.8 86.8

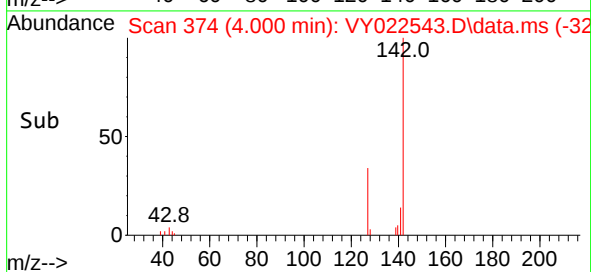
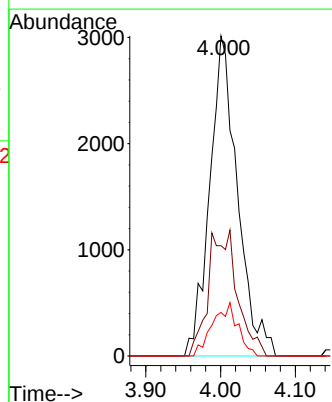
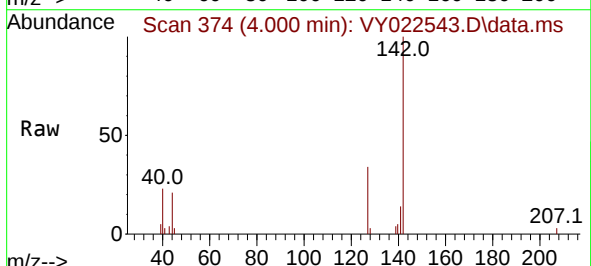
Manual Integrations
APPROVED

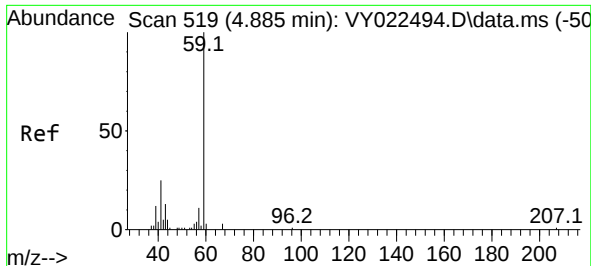
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#10
Methyl Iodide
Concen: 3.815 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

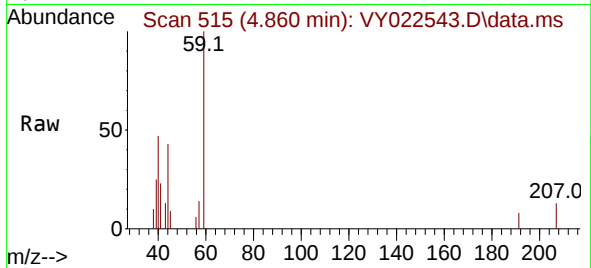
Tgt Ion:142 Resp: 7798
Ion Ratio Lower Upper
142 100
127 40.7 37.1 55.7
141 15.1 11.4 17.2





#11
Tert butyl alcohol
Concen: 23.512 ug/l
RT: 4.860 min Scan# 519
Delta R.T. -0.025 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

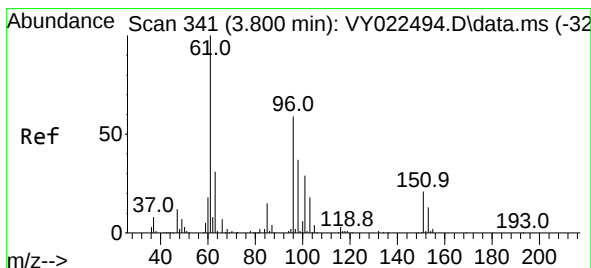
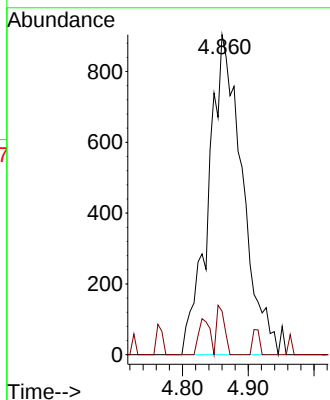
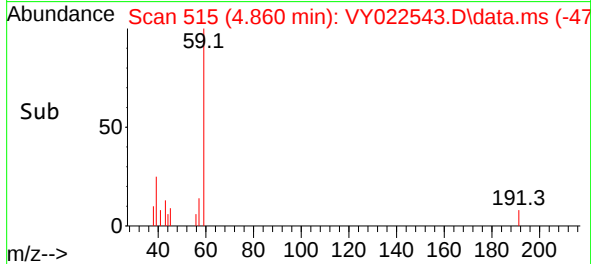
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



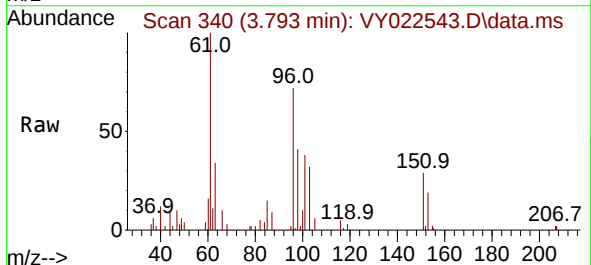
Tgt Ion: 59 Resp: 3234
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0

Manual Integrations
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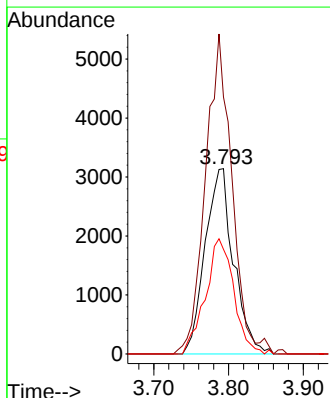
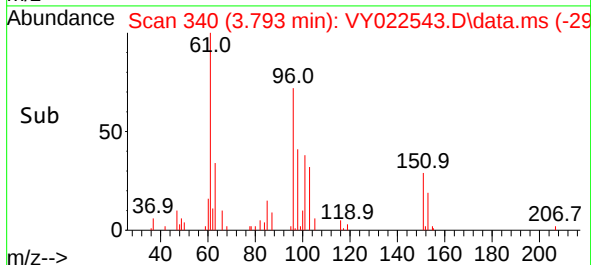
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

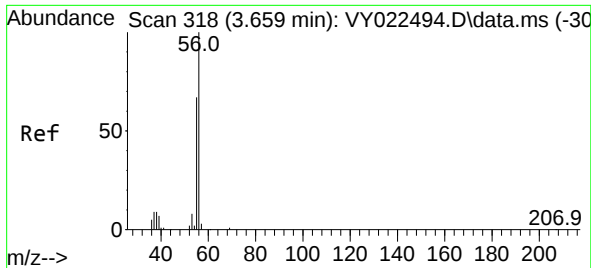


#12
1,1-Dichloroethene
Concen: 4.621 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16



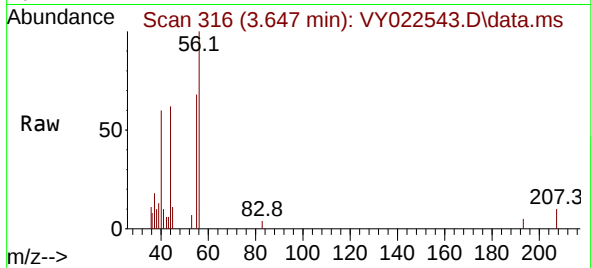
Tgt Ion: 96 Resp: 8344
Ion Ratio Lower Upper
96 100
61 136.5 134.6 201.8
98 56.5 50.2 75.4





#13
Acrolein
Concen: 19.274 ug/l
RT: 3.647 min Scan# 316
Delta R.T. -0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

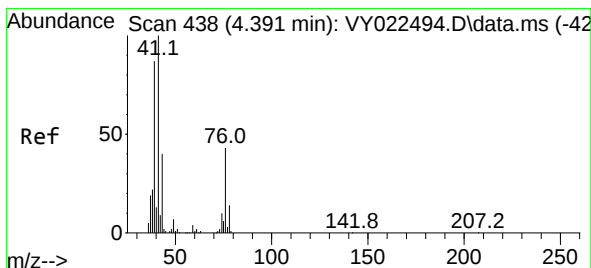
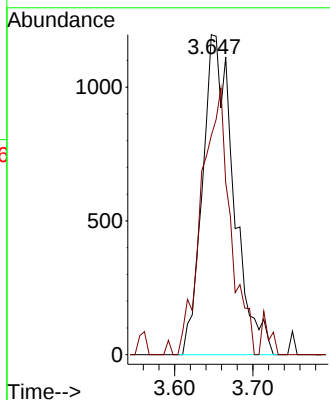
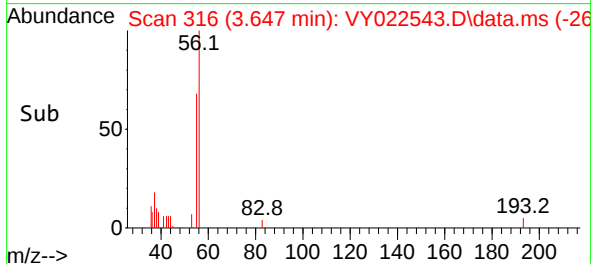
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 56 Resp: 3304
Ion Ratio Lower Upper
56 100
55 76.9 57.0 85.6

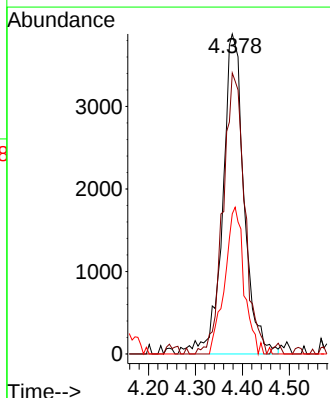
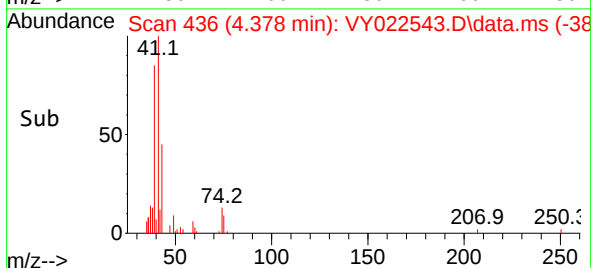
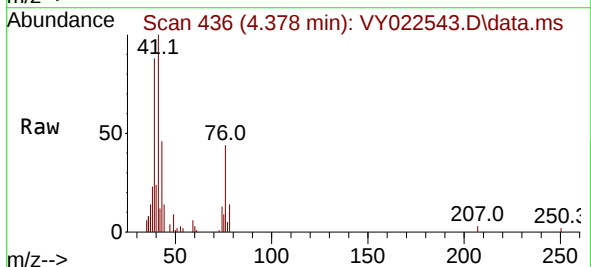
Manual Integrations
APPROVED

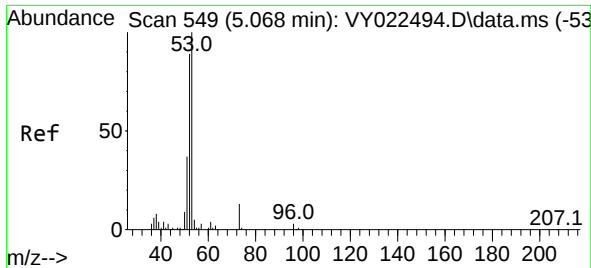
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#14
Allyl chloride
Concen: 4.326 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

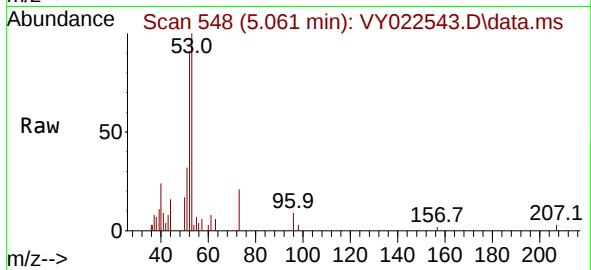
Tgt Ion: 41 Resp: 12263
Ion Ratio Lower Upper
41 100
39 88.1 69.1 103.7
76 41.2 33.5 50.3





#15
Acrylonitrile
Concen: 21.745 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

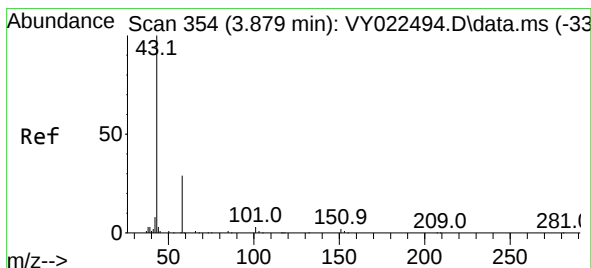
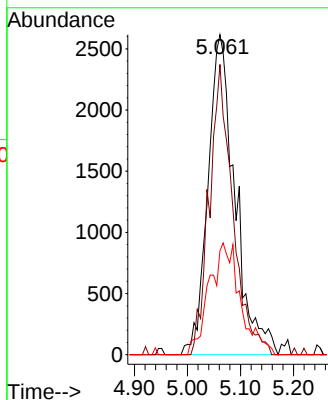
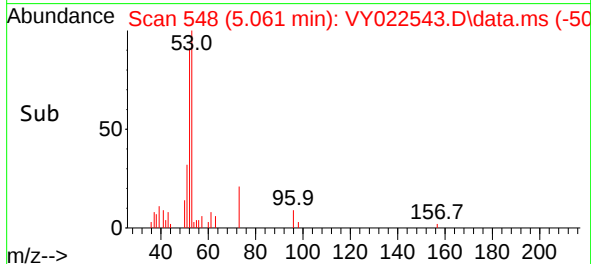
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 53 Resp: 9302
Ion Ratio Lower Upper
53 100
52 78.5 65.7 98.5
51 40.3 30.1 45.1

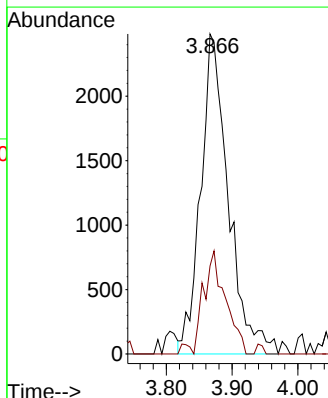
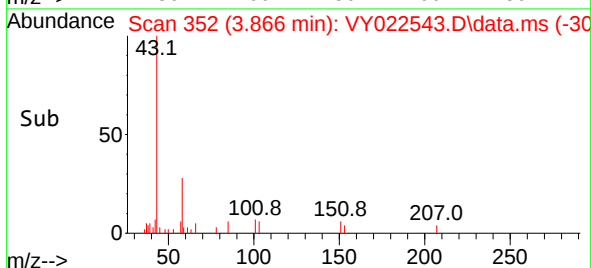
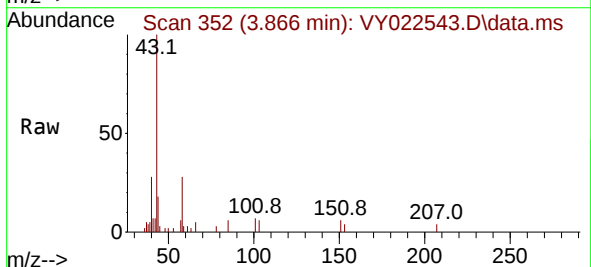
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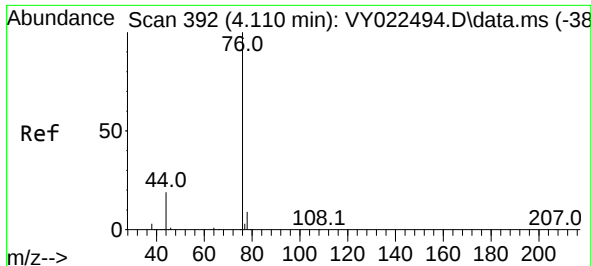
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#16
Acetone
Concen: 18.563 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

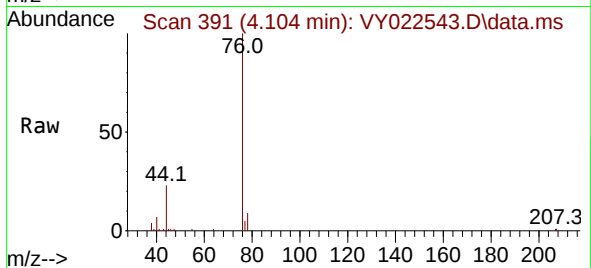
Tgt Ion: 43 Resp: 7260
Ion Ratio Lower Upper
43 100
58 27.5 24.0 36.0





#17
Carbon Disulfide
Concen: 4.184 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

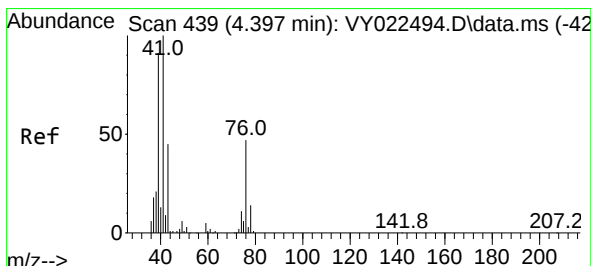
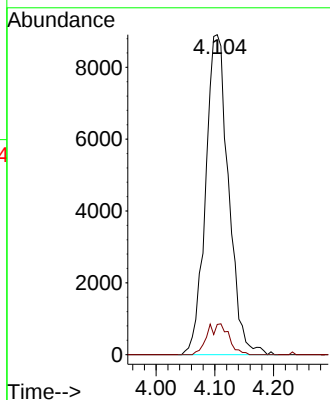
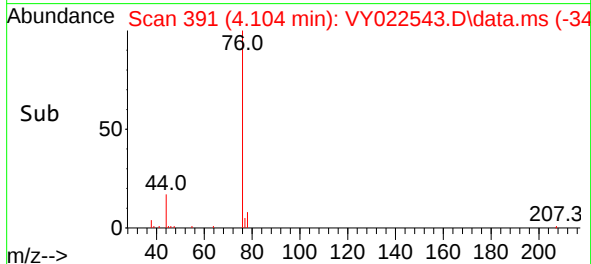
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 76 Resp: 2418
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2

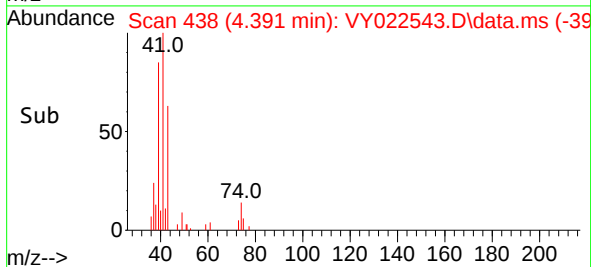
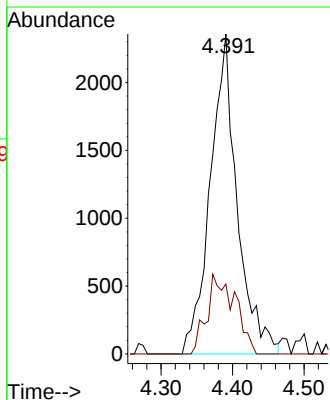
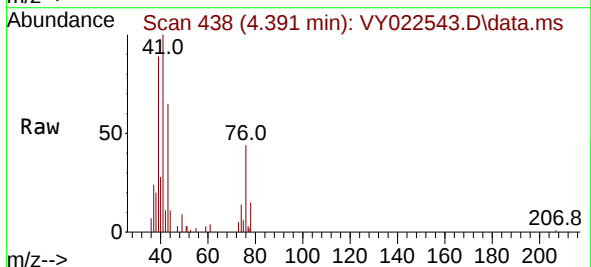
Manual Integrations
APPROVED

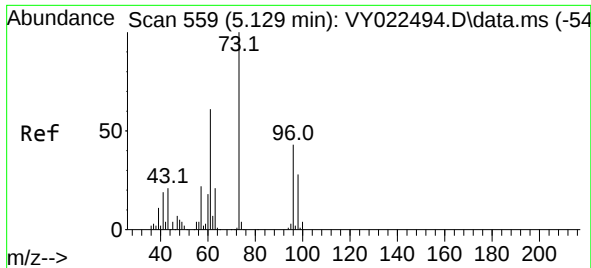
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#18
Methyl Acetate
Concen: 5.321 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 43 Resp: 6163
Ion Ratio Lower Upper
43 100
74 26.1 19.8 29.6





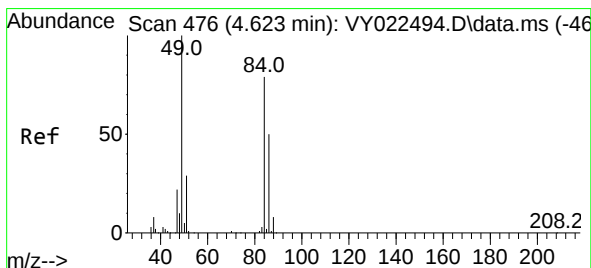
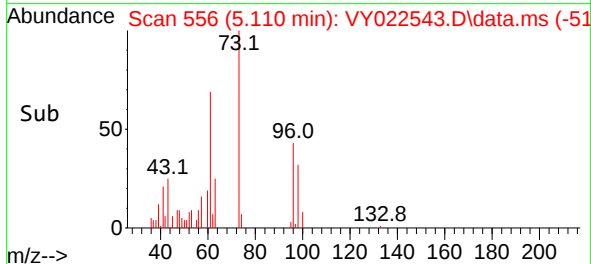
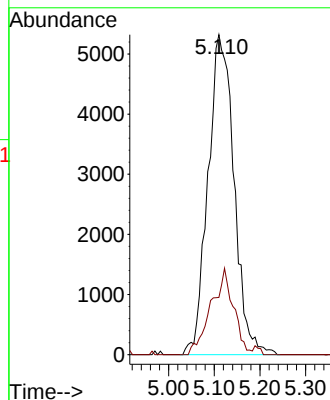
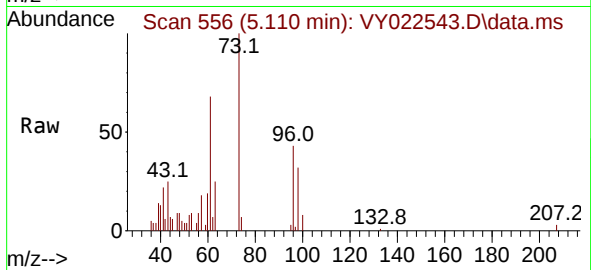
#19
Methyl tert-butyl Ether
Concen: 4.137 ug/l
RT: 5.110 min Scan# 510
Delta R.T. -0.019 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

Tgt Ion: 73 Resp: 21040
Ion Ratio Lower Upper
73 100
57 17.9 17.4 26.0

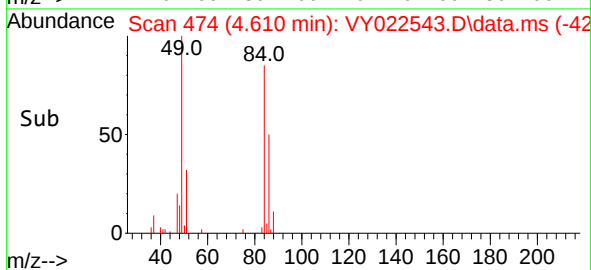
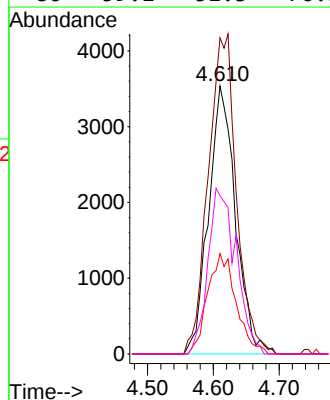
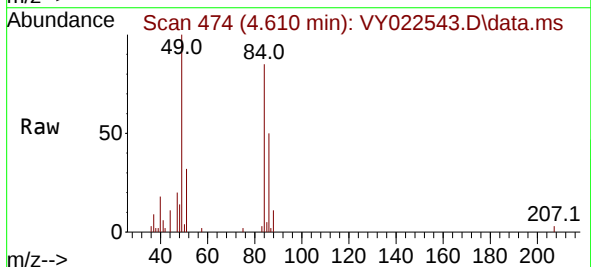
Manual Integrations
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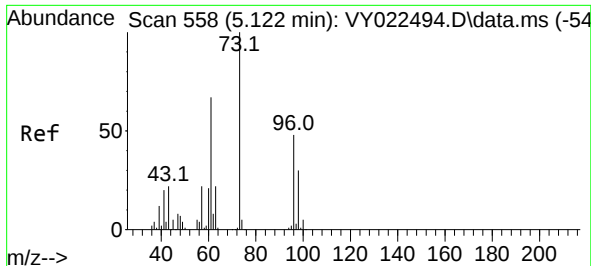
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#20
Methylene Chloride
Concen: 4.537 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

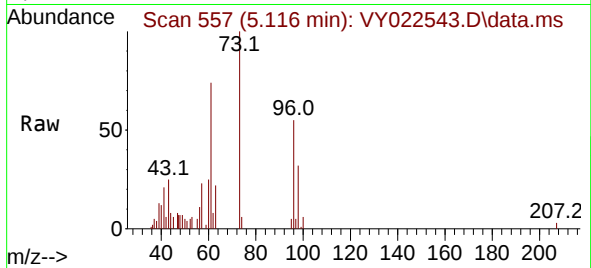
Tgt Ion: 84 Resp: 10079
Ion Ratio Lower Upper
84 100
49 118.0 101.9 152.9
51 37.5 29.8 44.8
86 59.1 51.3 76.9





#21
trans-1,2-Dichloroethene
Concen: 4.347 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

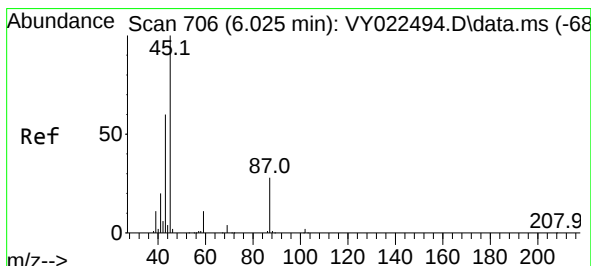
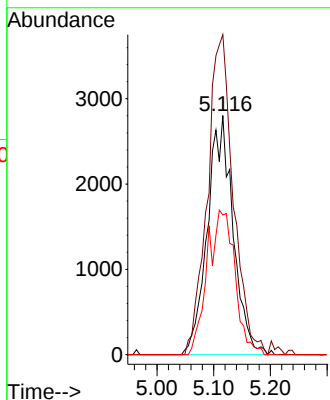
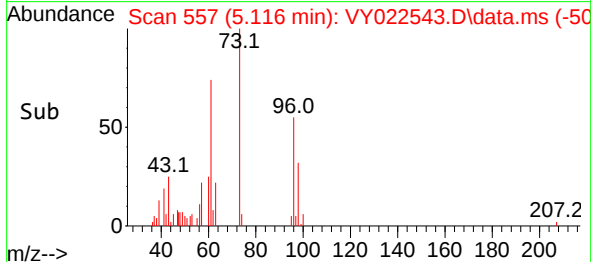
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion: 96 Resp: 8784
Ion Ratio Lower Upper
96 100
61 133.8 112.6 169.0
98 58.4 50.6 75.8

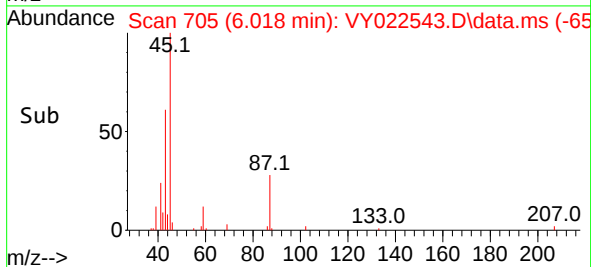
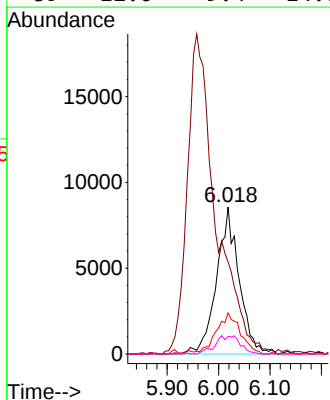
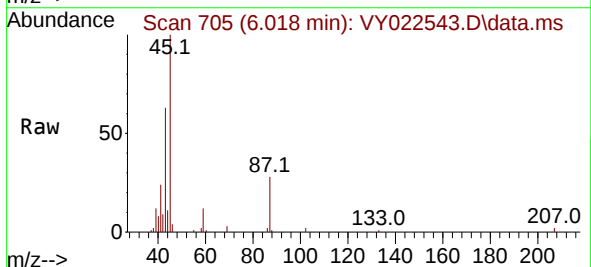
Manual Integrations
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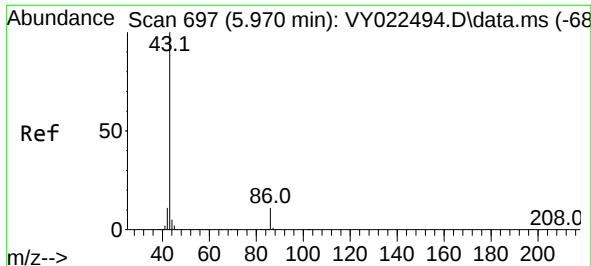
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#22
Diisopropyl ether
Concen: 4.115 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 45 Resp: 25966
Ion Ratio Lower Upper
45 100
43 59.6 48.3 72.5
87 27.9 23.0 34.6
59 12.0 9.4 14.0





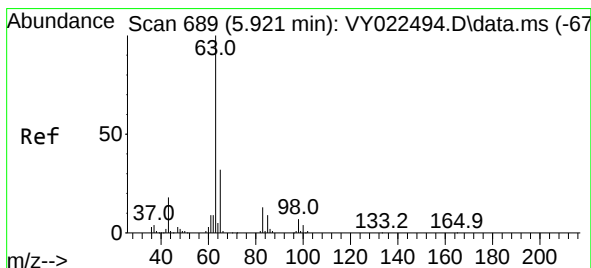
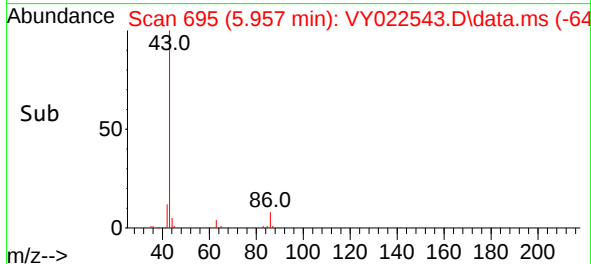
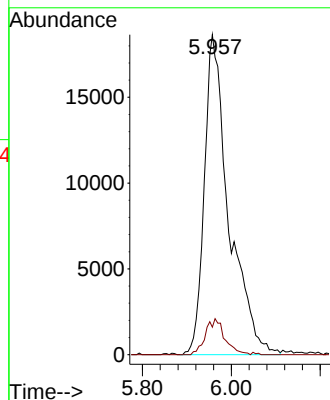
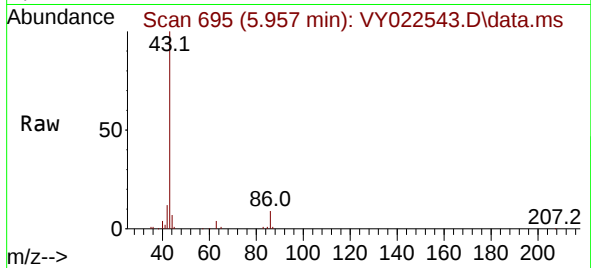
#23
 Vinyl Acetate
 Concen: 19.174 ug/l
 RT: 5.957 min Scan# 695
 Delta R.T. -0.012 min
 Lab File: VY022543.D
 Acq: 04 Jun 2025 12:16

Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT2-2025

Tgt Ion: 43 Resp: 71604
 Ion Ratio Lower Upper
 43 100
 86 8.6 8.6 12.8

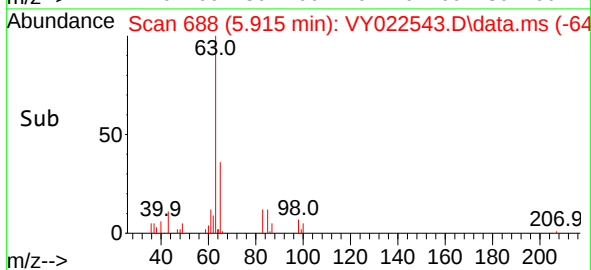
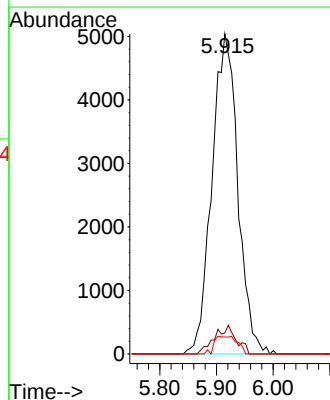
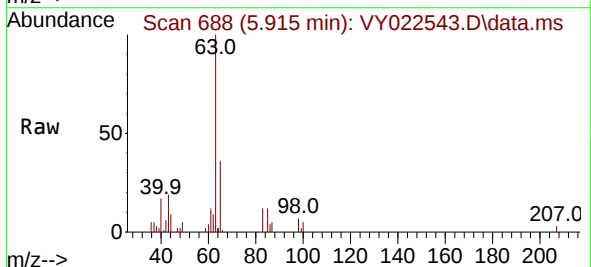
Manual Integrations
 APPROVED

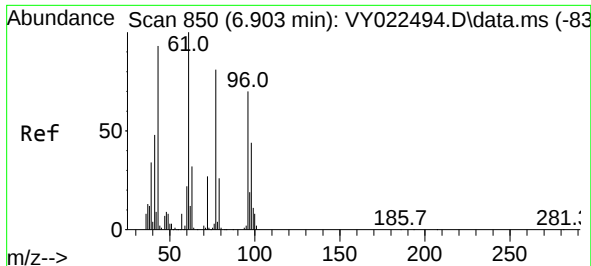
Reviewed By :Mahesh Dadoda 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025



#24
 1,1-Dichloroethane
 Concen: 4.298 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.006 min
 Lab File: VY022543.D
 Acq: 04 Jun 2025 12:16

Tgt Ion: 63 Resp: 15976
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.1
 100 5.3 2.1 6.3





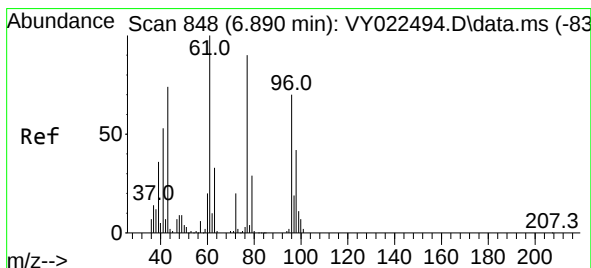
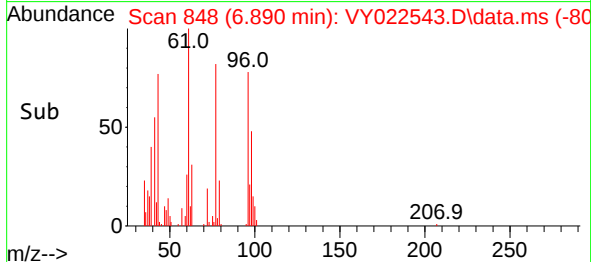
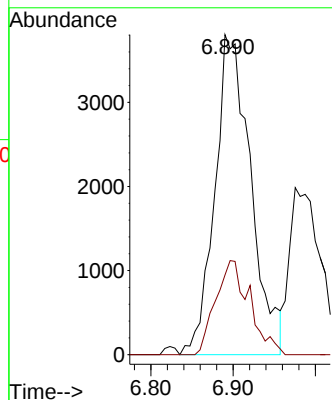
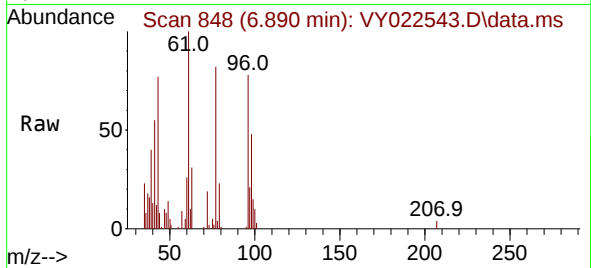
#25
2-Butanone
Concen: 20.472 ug/l
RT: 6.890 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

Tgt Ion: 43 Resp: 11549
Ion Ratio Lower Upper
43 100
72 24.9 22.9 34.3

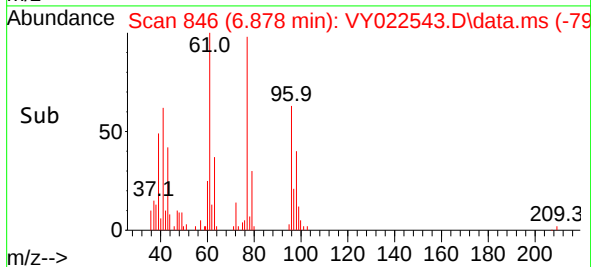
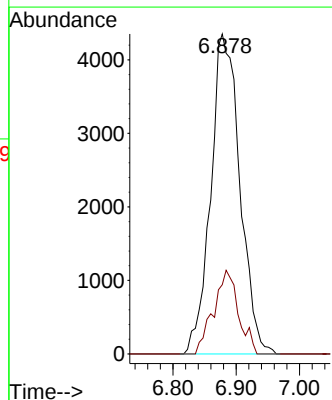
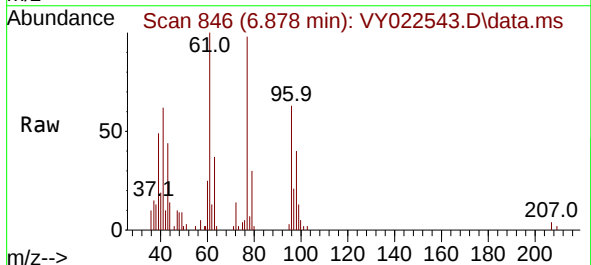
Manual Integrations
APPROVED

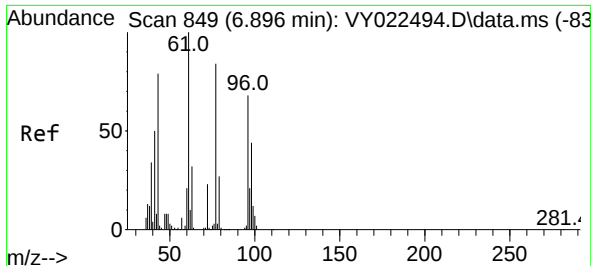
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#26
2,2-Dichloropropane
Concen: 4.239 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 77 Resp: 13921
Ion Ratio Lower Upper
77 100
97 22.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 4.339 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022543.D

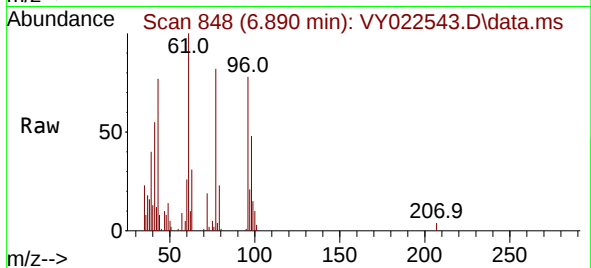
Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

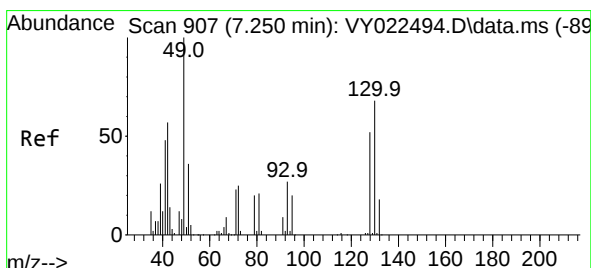
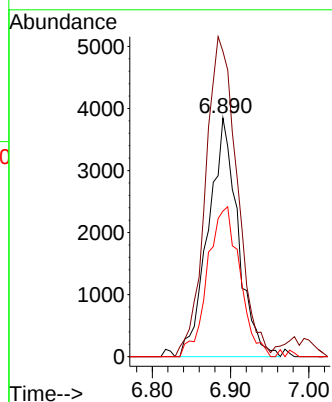
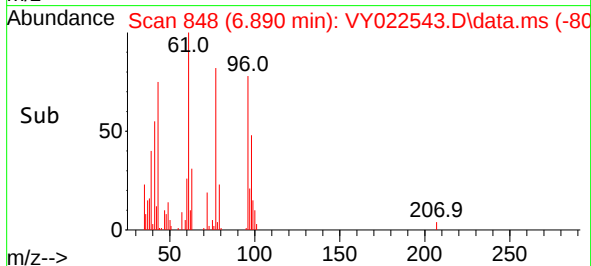


Tgt Ion: 96	Resp: 1013
Ion Ratio	Lower Upper
96	100
61	143.1 0.0 290.0
98	68.3 0.0 128.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#28

Bromochloromethane

Concen: 4.392 ug/l

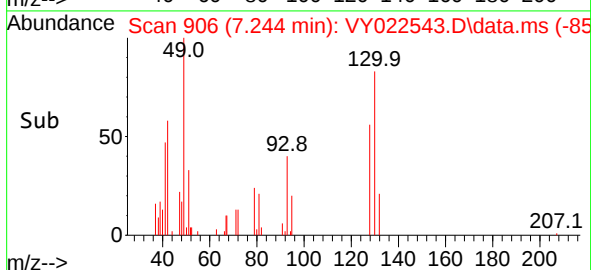
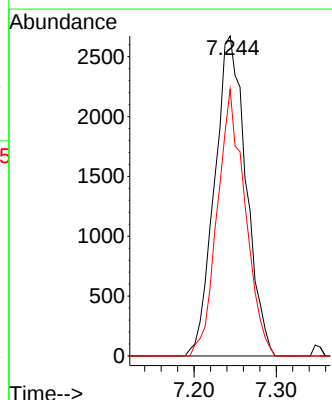
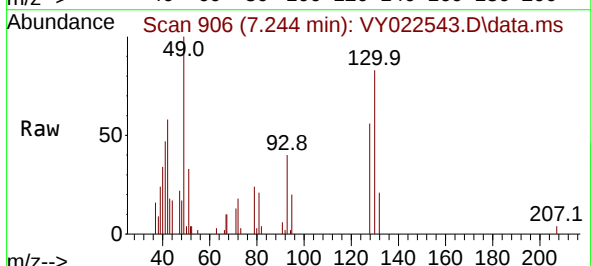
RT: 7.244 min Scan# 906

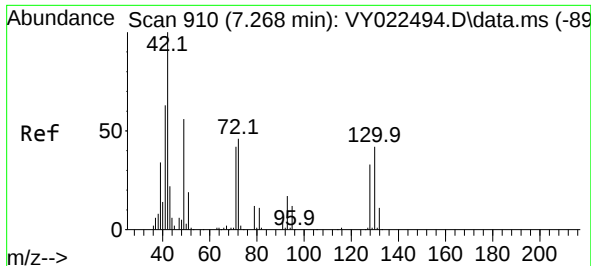
Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Tgt Ion: 49	Resp: 7117
Ion Ratio	Lower Upper
49	100
129	0.0 0.0 3.6
130	73.6 55.7 83.5





#29

Tetrahydrofuran

Concen: 20.973 ug/l

RT: 7.256 min Scan# 908

Delta R.T. -0.012 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

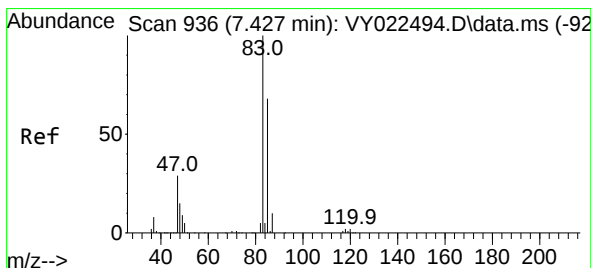
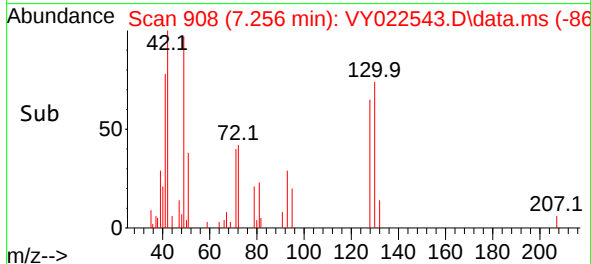
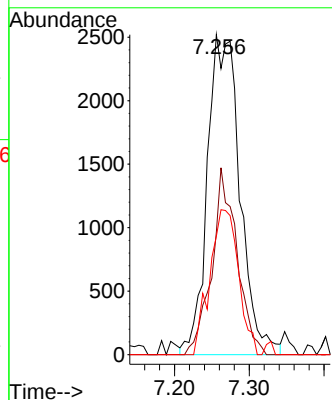
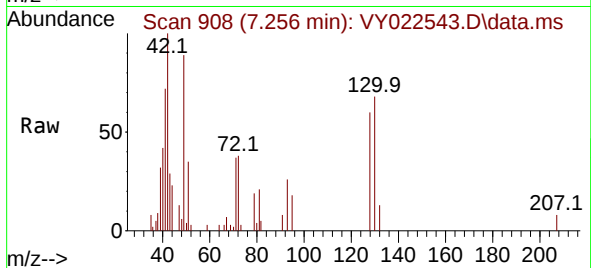
MDL-SOIL-03-QT2-2025

Tgt Ion:	42	Resp:	763
Ion	Ratio	Lower	Upper
42	100		
72	44.9	37.4	56.2
71	39.8	34.2	51.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#30

Chloroform

Concen: 4.255 ug/l

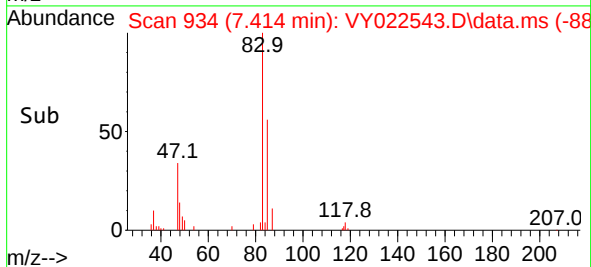
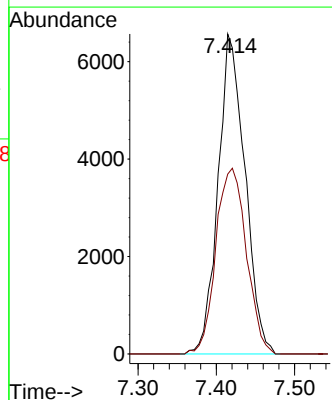
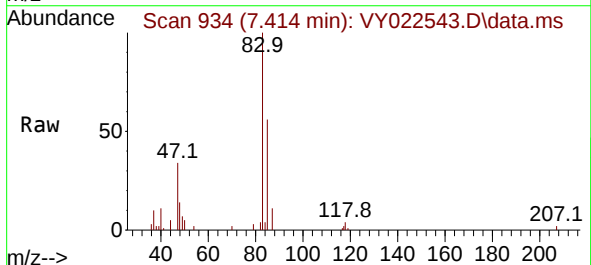
RT: 7.414 min Scan# 934

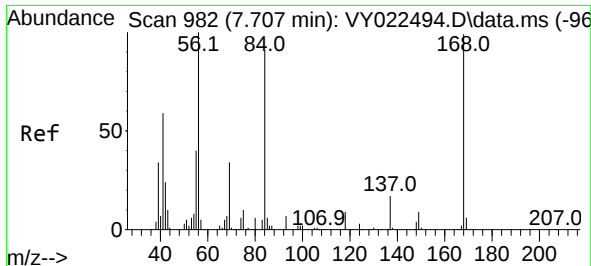
Delta R.T. -0.012 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

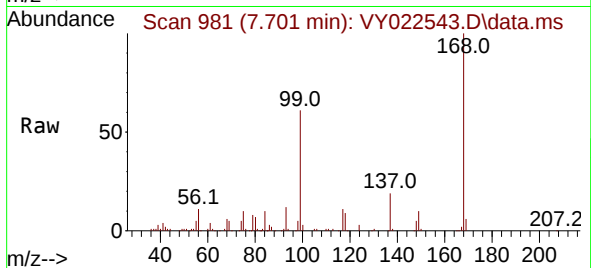
Tgt Ion:	83	Resp:	15667
Ion	Ratio	Lower	Upper
83	100		
85	56.2	54.2	81.4





#31
Cyclohexane
Concen: 5.245 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

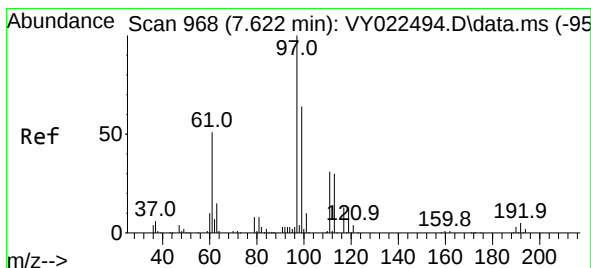
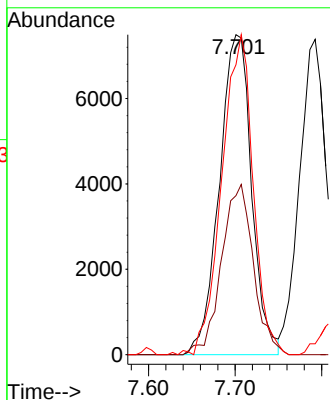
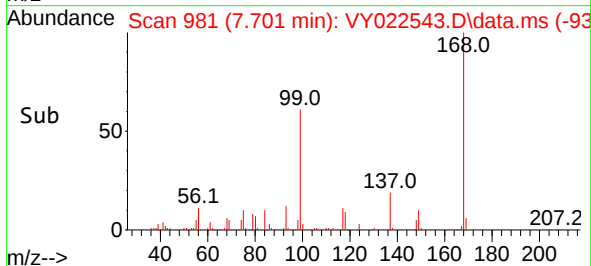
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion: 56 Resp: 19408
Ion Ratio Lower Upper
56 100
69 49.7 27.0 40.6
84 90.6 72.6 109.0

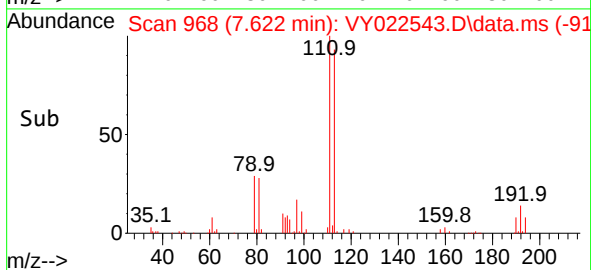
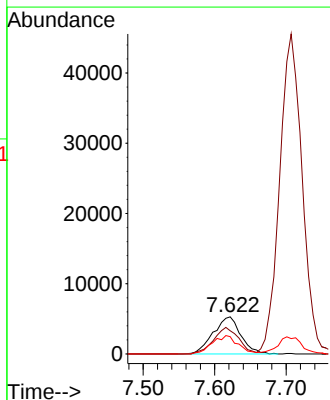
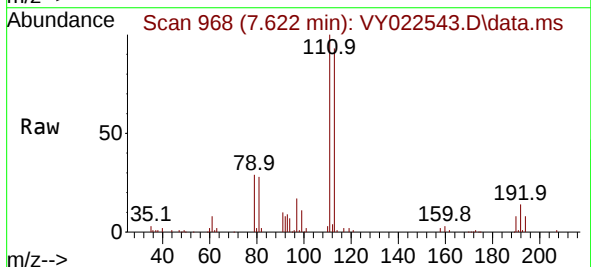
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#32
1,1,1-Trichloroethane
Concen: 4.330 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 97 Resp: 14151
Ion Ratio Lower Upper
97 100
99 65.2 50.9 76.3
61 46.3 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 53.694 ug/l

RT: 8.061 min Scan# 1041

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 65 Resp: 103404

Ion Ratio Lower Upper

65 100

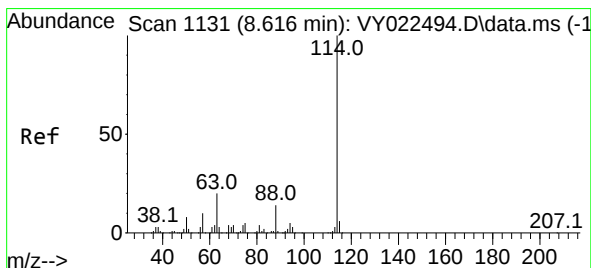
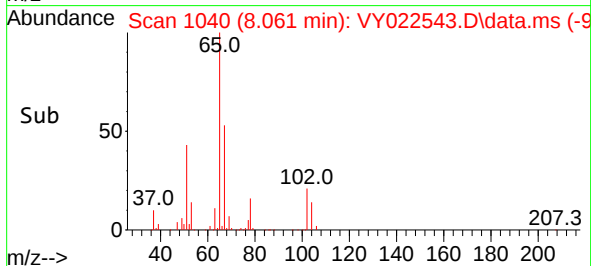
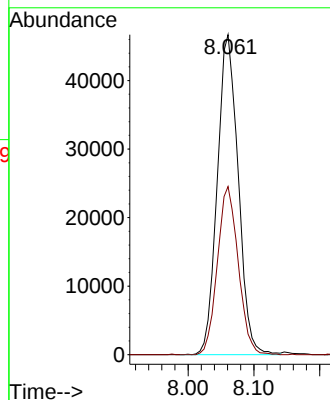
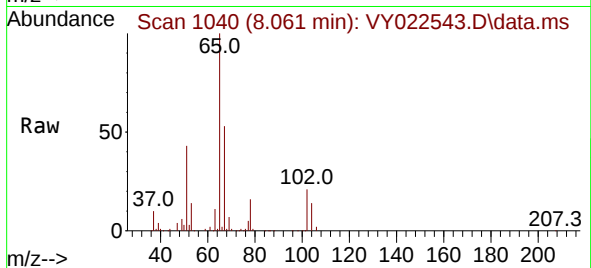
67 52.3 0.0 103.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/05/2025

Supervised By :Semsettin Yesilyurt 06/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

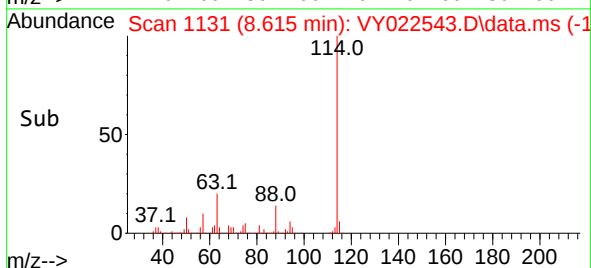
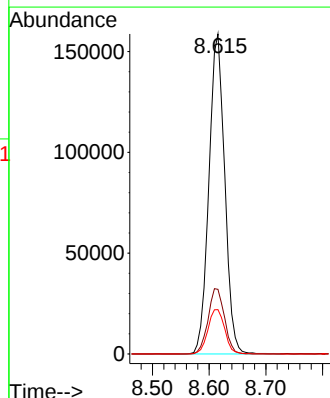
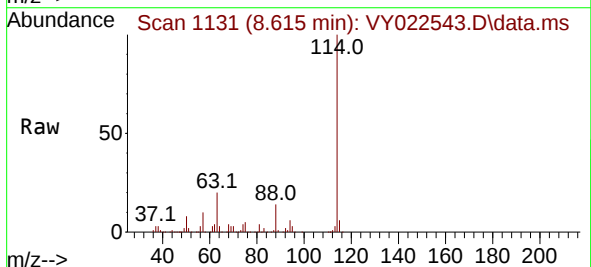
Tgt Ion:114 Resp: 307202

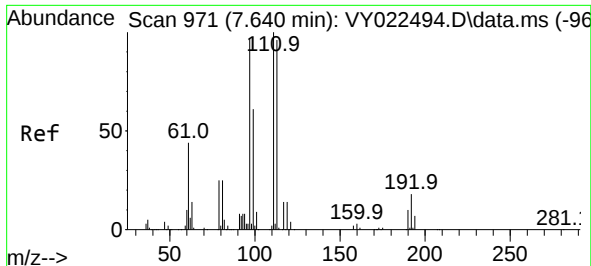
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

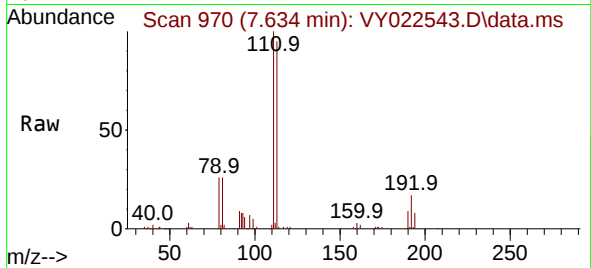
88 13.9 0.0 27.8





#35
Dibromofluoromethane
Concen: 51.045 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

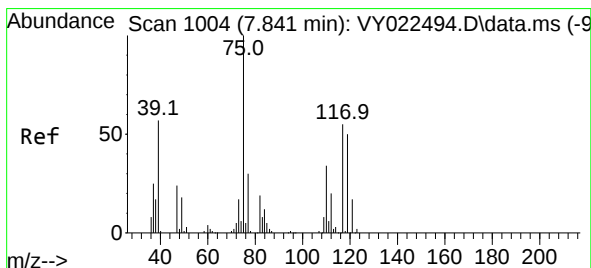
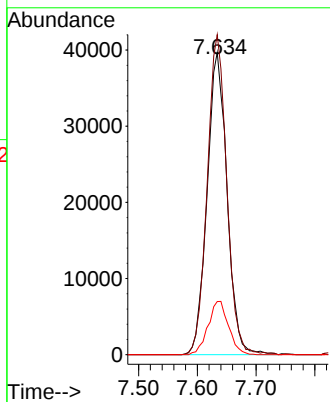
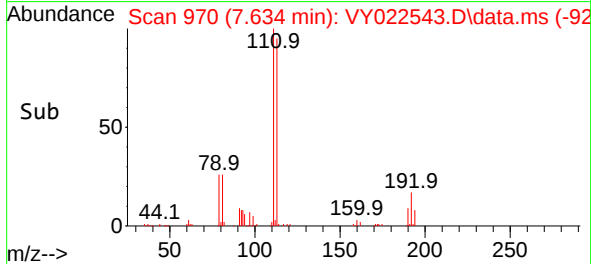
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 113 Resp: 9359
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 18.1 14.2 21.2

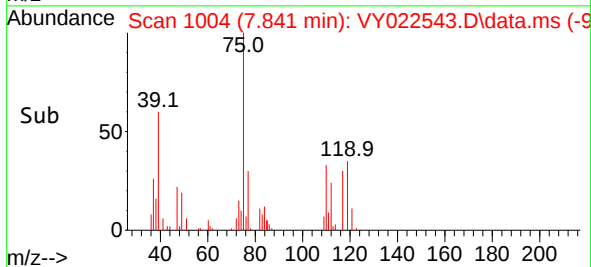
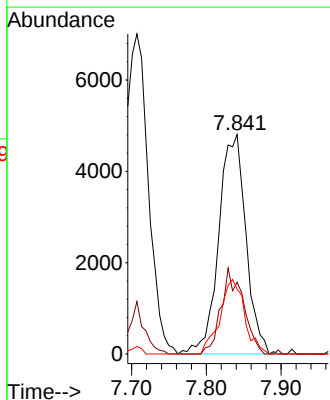
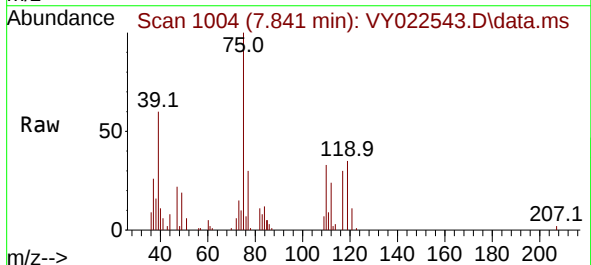
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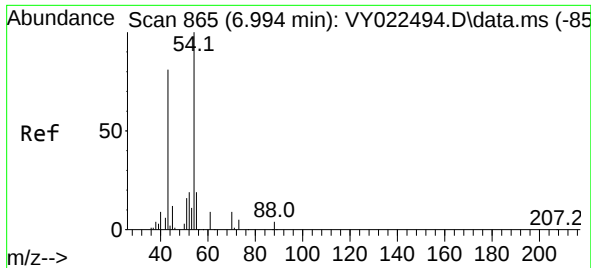
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#36
1,1-Dichloropropene
Concen: 4.091 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

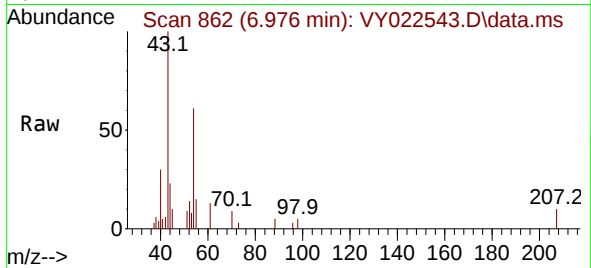
Tgt Ion: 75 Resp: 12175
Ion Ratio Lower Upper
75 100
110 31.9 16.9 50.7
77 30.7 24.8 37.2





#37
Ethyl Acetate
Concen: 4.236 ug/l
RT: 6.976 min Scan# 80
Delta R.T. -0.019 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

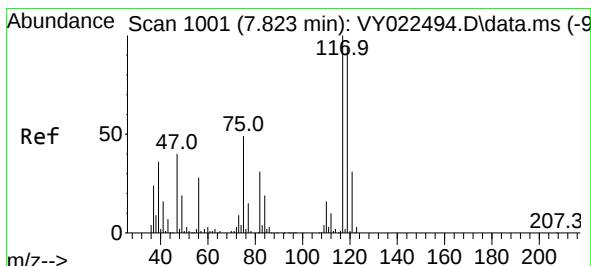
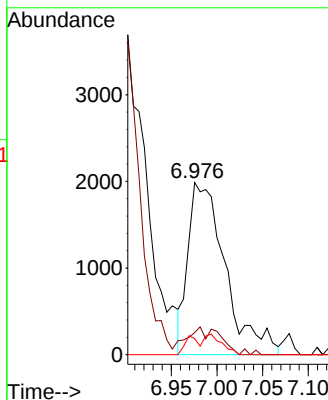
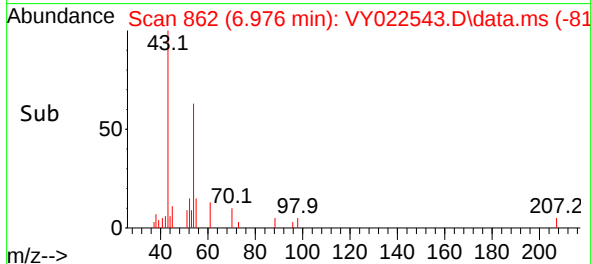
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 43 Resp: 562
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3
70 3.9 7.2 10.8

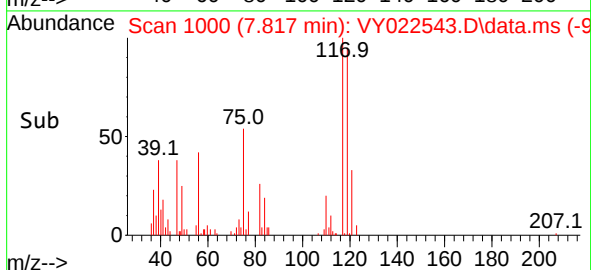
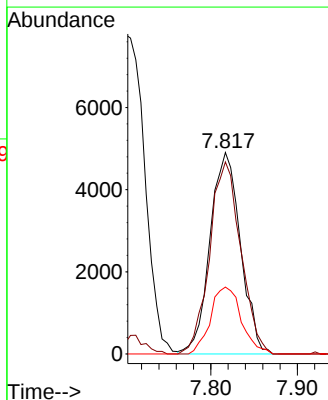
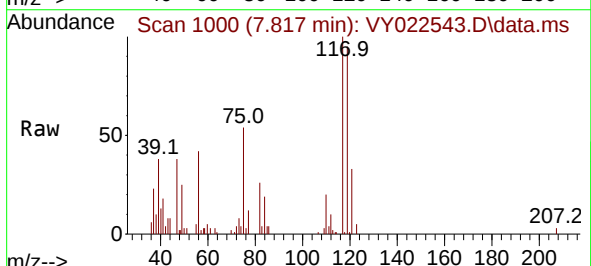
Manual Integrations
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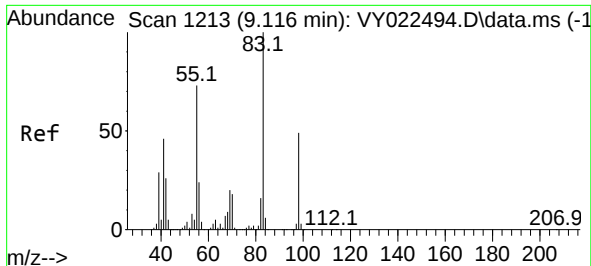
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#38
Carbon Tetrachloride
Concen: 3.934 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion:117 Resp: 12010
Ion Ratio Lower Upper
117 100
119 95.4 75.0 112.6
121 33.2 25.0 37.4





#39

Methylcyclohexane

Concen: 3.705 ug/l

RT: 9.103 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 83 Resp: 14818

Ion Ratio Lower Upper

83 100

55 70.3 58.1 87.1

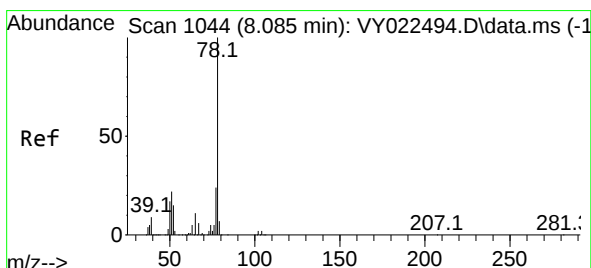
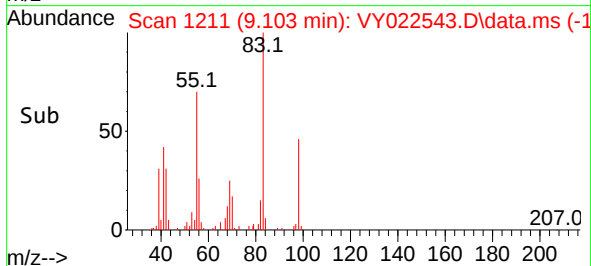
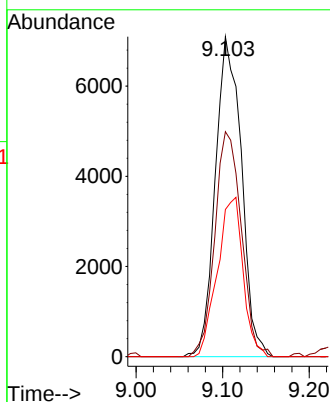
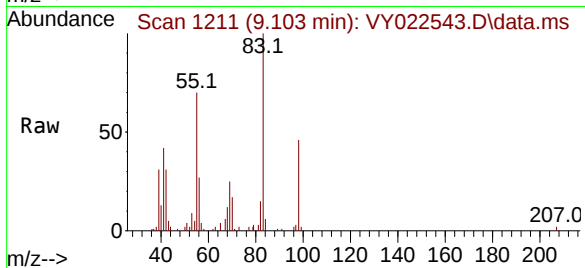
98 46.0 39.0 58.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/05/2025

Supervised By :Semsettin Yesilyurt 06/05/2025



#40

Benzene

Concen: 4.164 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.006 min

Lab File: VY022543.D

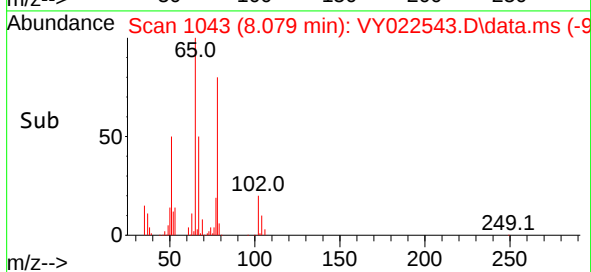
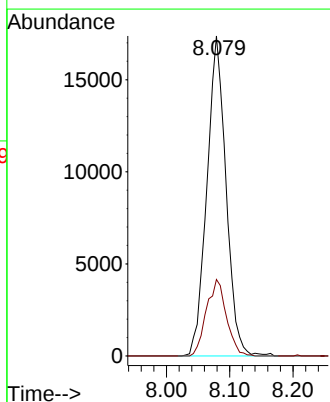
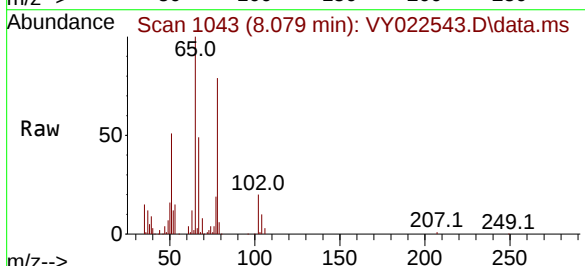
Acq: 04 Jun 2025 12:16

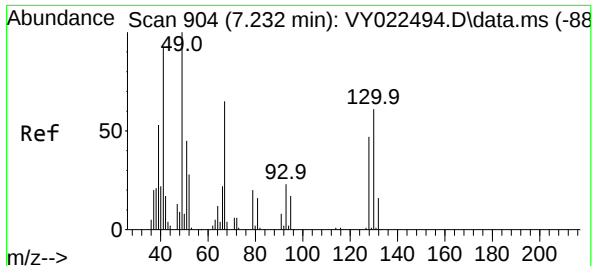
Tgt Ion: 78 Resp: 36604

Ion Ratio Lower Upper

78 100

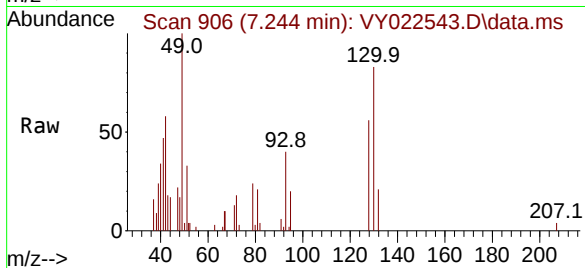
77 23.9 19.3 28.9





#41
Methacrylonitrile
Concen: 4.786 ug/l m
RT: 7.244 min Scan# 904
Delta R.T. 0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

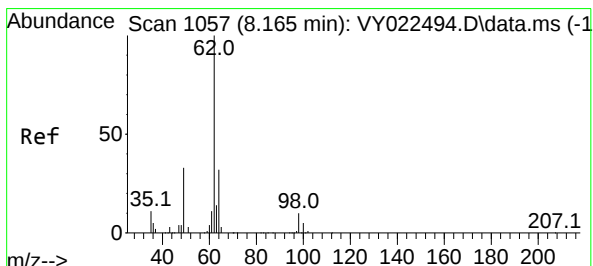
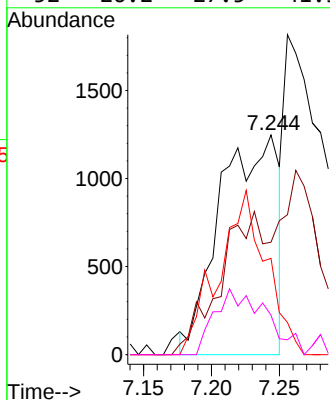
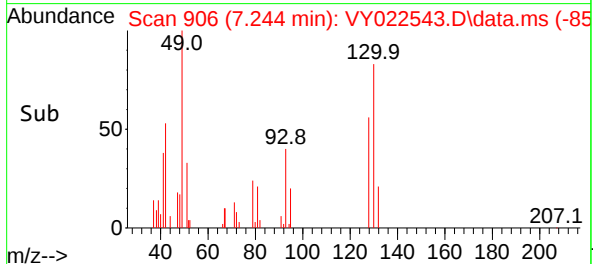
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 41 Resp: 3710
Ion Ratio Lower Upper
41 100
39 33.7 46.6 69.8
67 60.8 63.3 94.9
52 26.2 27.5 41.3

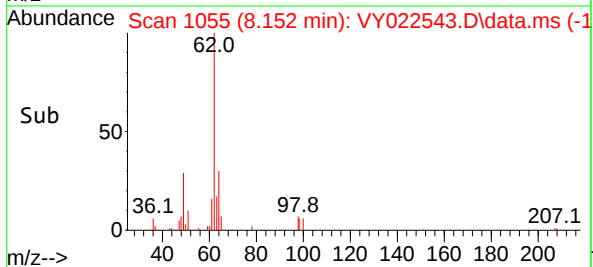
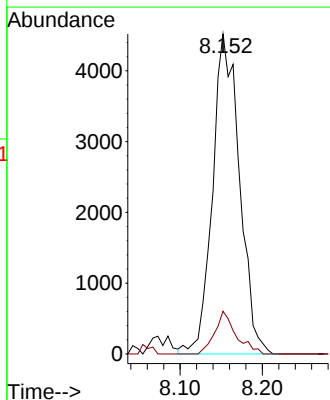
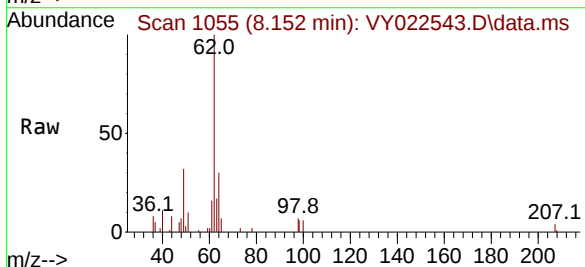
Manual Integrations
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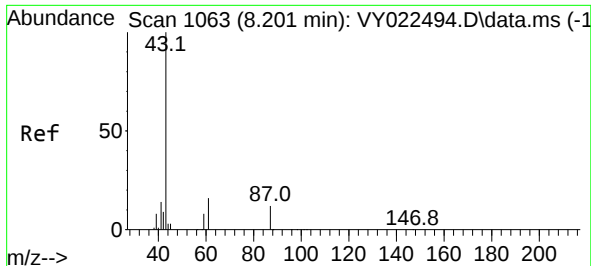
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#42
1,2-Dichloroethane
Concen: 4.294 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 62 Resp: 10305
Ion Ratio Lower Upper
62 100
98 10.5 0.0 19.2





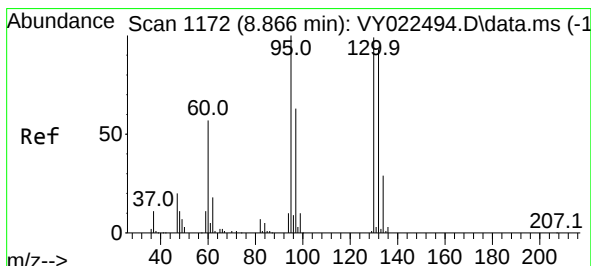
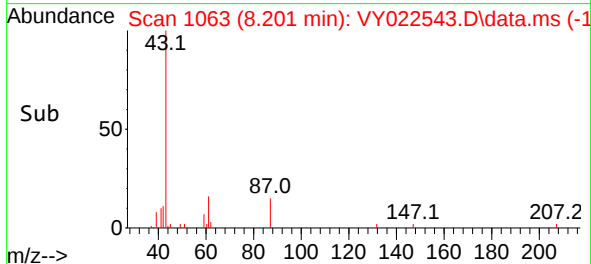
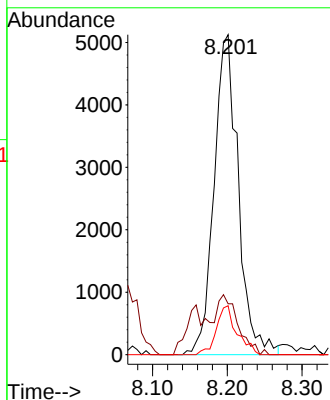
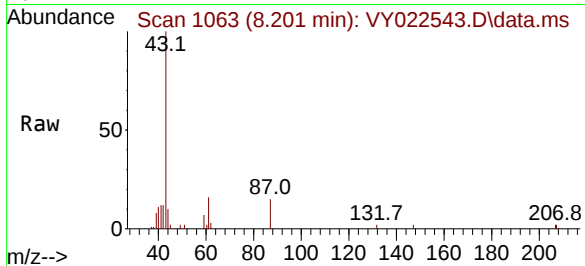
#43
Isopropyl Acetate
Concen: 4.027 ug/l
RT: 8.201 min Scan# 1154
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

Tgt Ion: 43 Resp: 1154
Ion Ratio Lower Upper
43 100
61 15.6 15.6 23.4
87 12.9 10.2 15.4

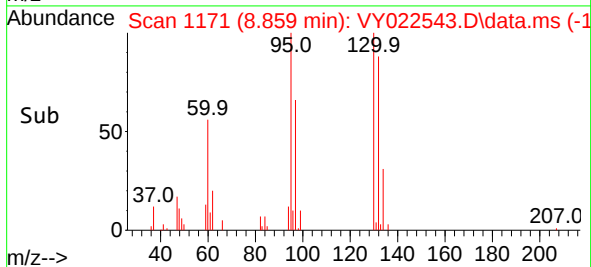
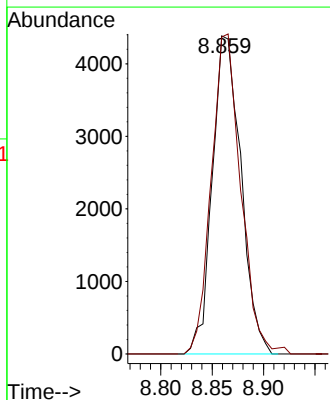
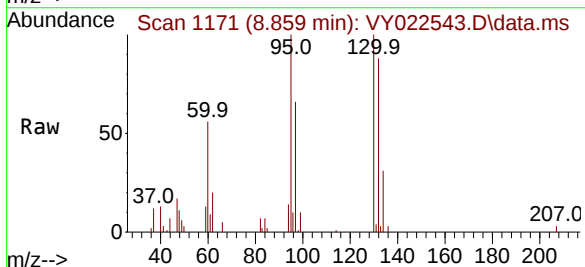
Manual Integrations
APPROVED

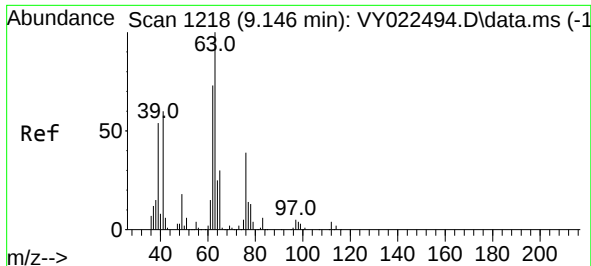
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#44
Trichloroethene
Concen: 3.955 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion:130 Resp: 8497
Ion Ratio Lower Upper
130 100
95 99.6 0.0 203.0





#45

1,2-Dichloropropane

Concen: 3.931 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 63 Resp: 816

Ion Ratio Lower Upper

63 100

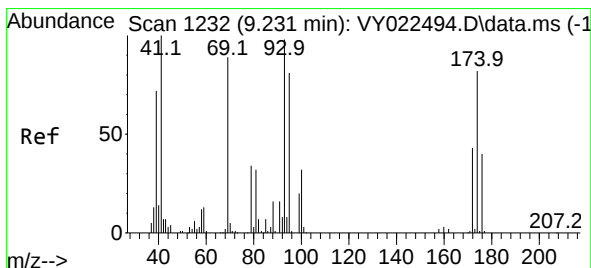
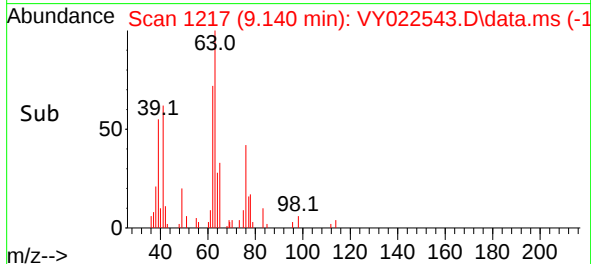
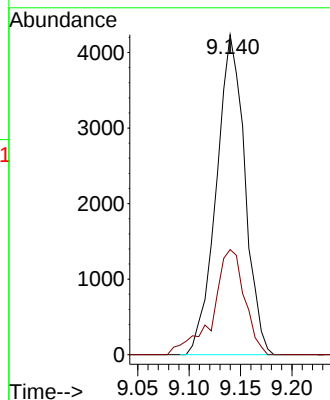
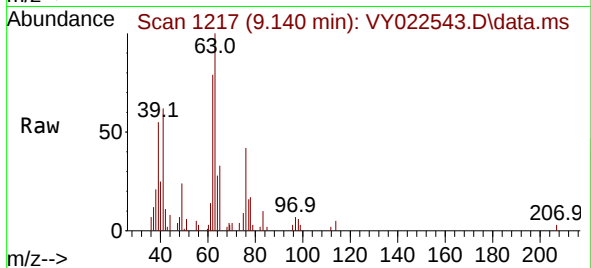
65 32.9 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025

Supervised By :Semsettin Yesilyurt 06/05/2025



#46

Dibromomethane

Concen: 4.193 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

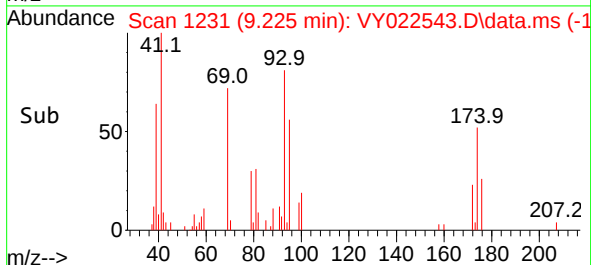
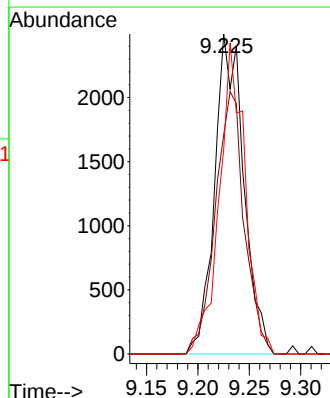
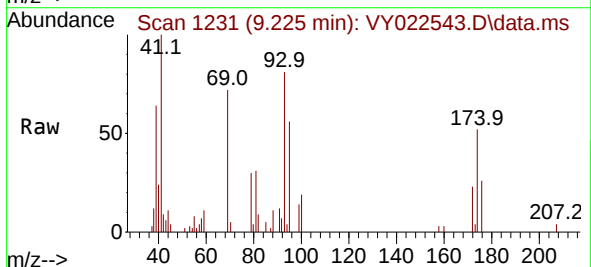
Tgt Ion: 93 Resp: 4900

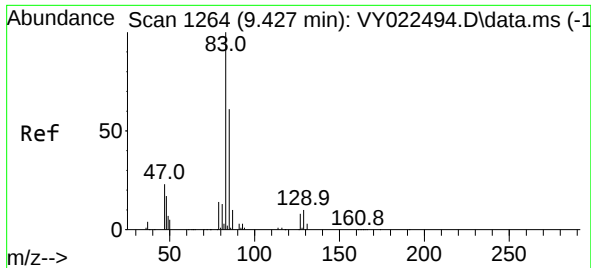
Ion Ratio Lower Upper

93 100

95 81.6 65.6 98.4

174 86.2 70.4 105.6





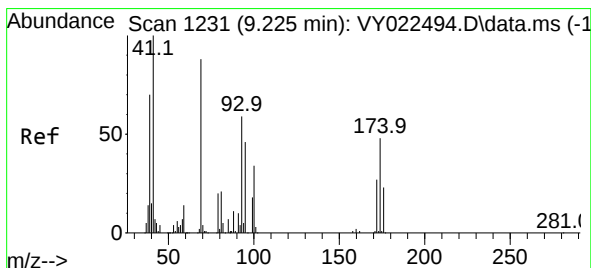
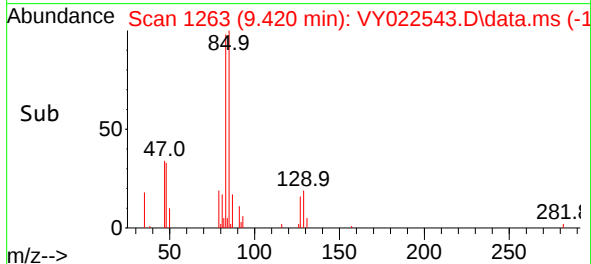
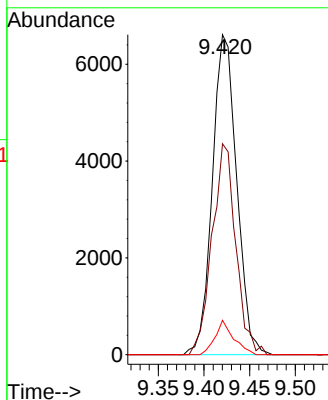
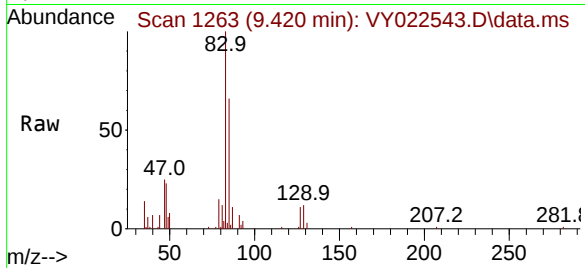
#47
Bromodichloromethane
Concen: 4.130 ug/l
RT: 9.420 min Scan# 1223
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion: 83 Resp: 1223
Ion Ratio Lower Upper
83 100
85 65.9 49.1 73.7
127 10.7 6.2 9.4

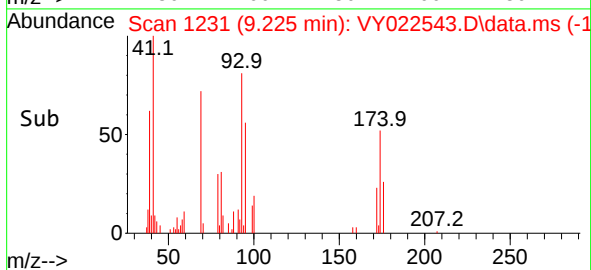
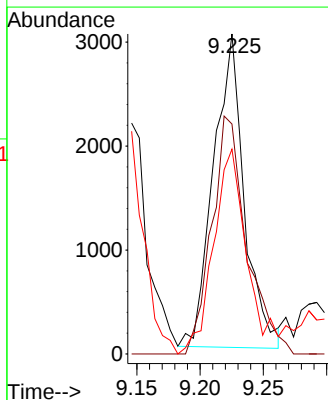
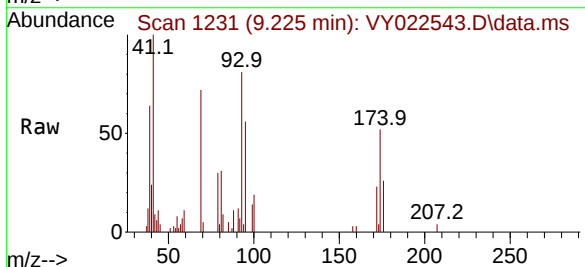
Manual Integrations
APPROVED

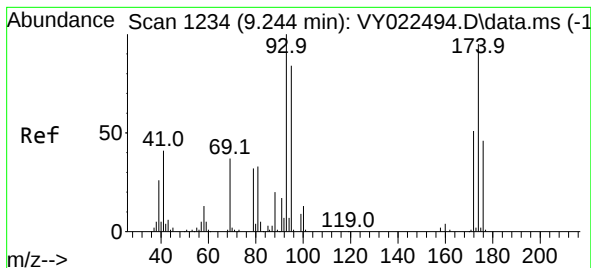
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#48
Methyl methacrylate
Concen: 3.784 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 41 Resp: 5090
Ion Ratio Lower Upper
41 100
69 86.3 67.8 101.8
39 70.6 55.0 82.4





#49

1,4-Dioxane

Concen: 72.732 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.012 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

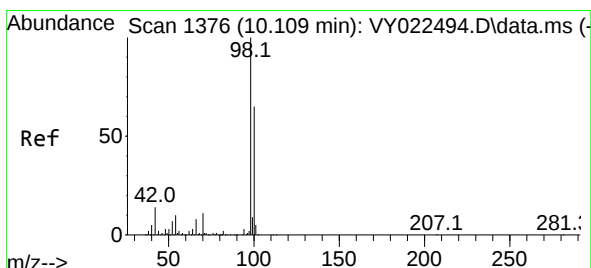
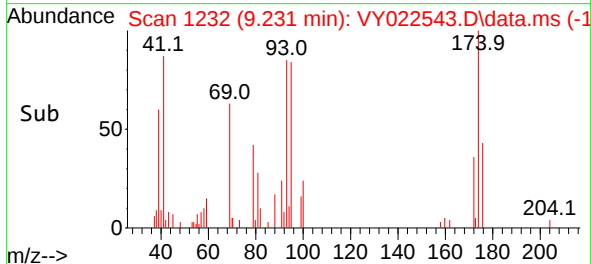
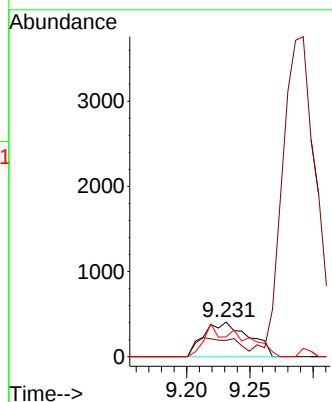
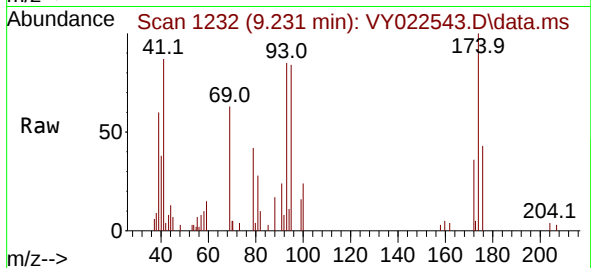
MDL-SOIL-03-QT2-2025

Tgt Ion: 88	Resp: 100
Ion Ratio	Lower Upper
88	100
43	50.1 25.4 38.2
58	39.2 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#50

Toluene-d8

Concen: 50.852 ug/l

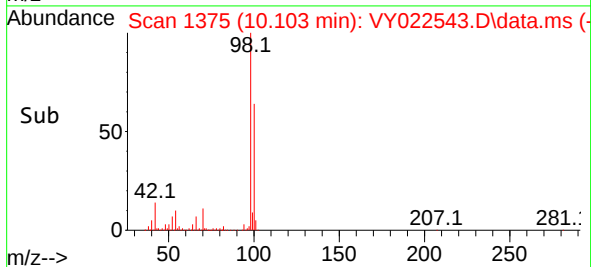
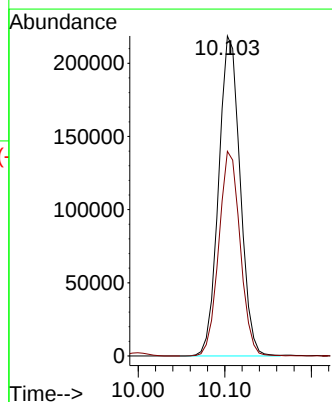
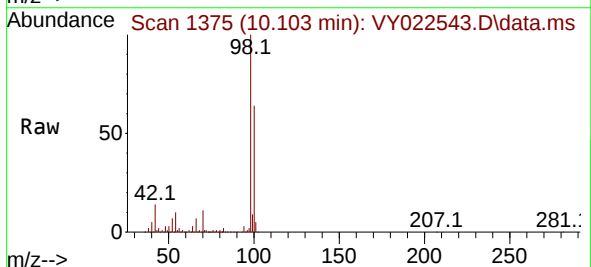
RT: 10.103 min Scan# 1375

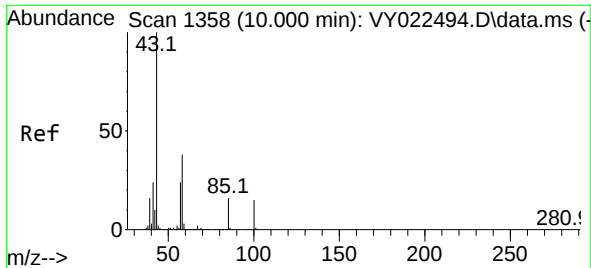
Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

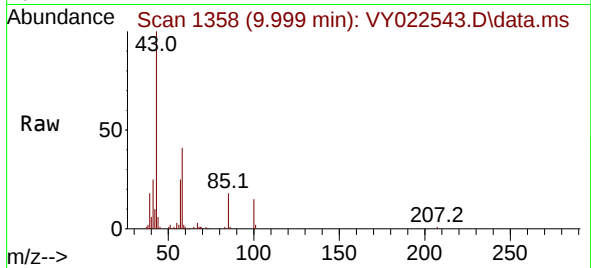
Tgt Ion: 98	Resp: 376762
Ion Ratio	Lower Upper
98	100
100	63.7 51.4 77.0





#51
4-Methyl-2-Pentanone
Concen: 17.205 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

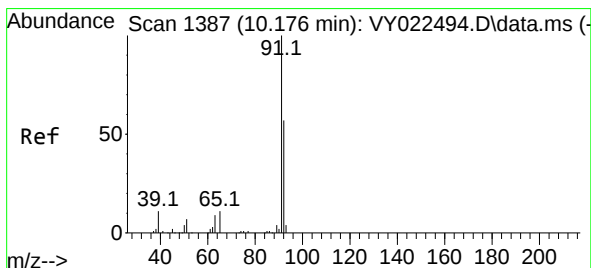
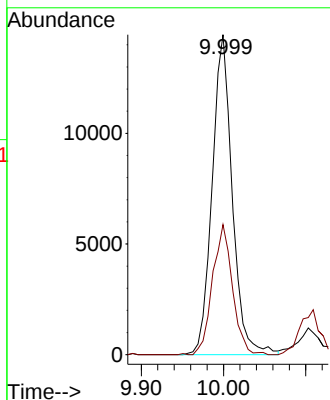
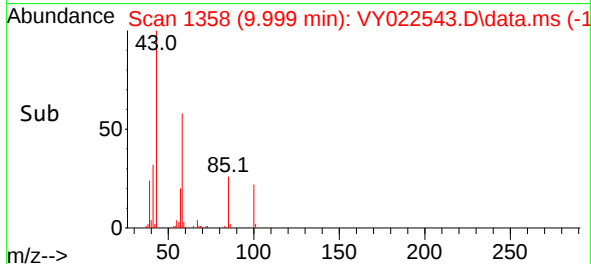
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion: 43 Resp: 2458
Ion Ratio Lower Upper
43 100
58 40.4 30.4 45.6

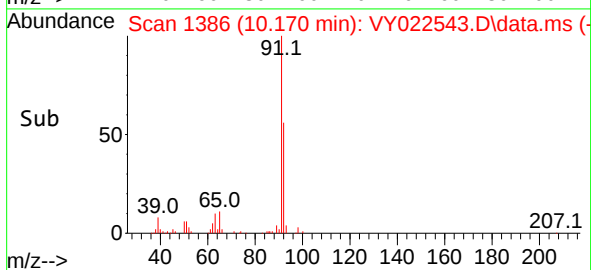
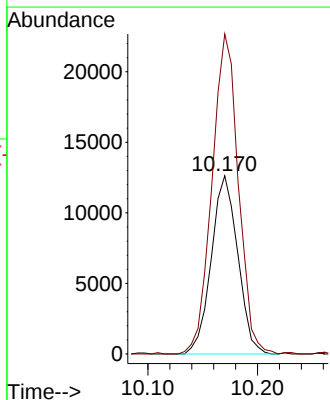
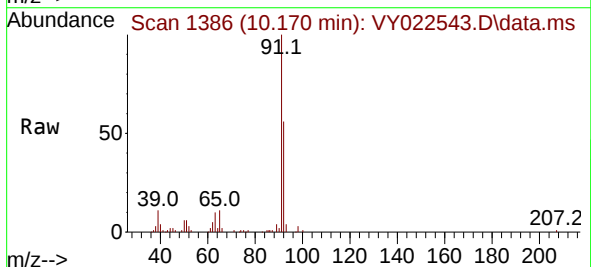
Manual Integrations
APPROVED

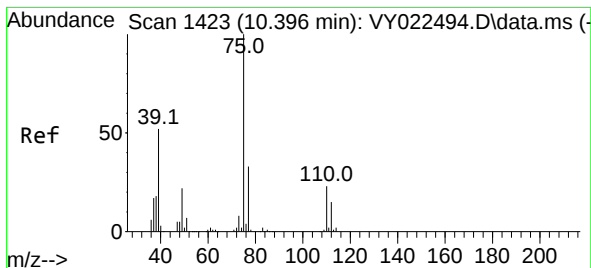
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#52
Toluene
Concen: 3.829 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

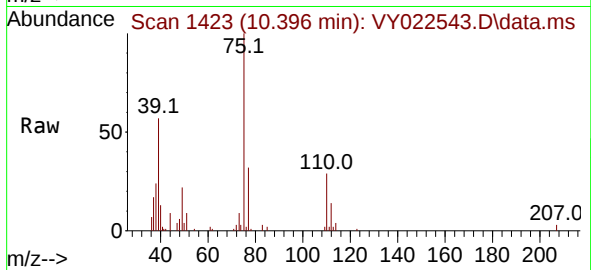
Tgt Ion: 92 Resp: 21148
Ion Ratio Lower Upper
92 100
91 179.6 139.0 208.4





#53
t-1,3-Dichloropropene
Concen: 3.395 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

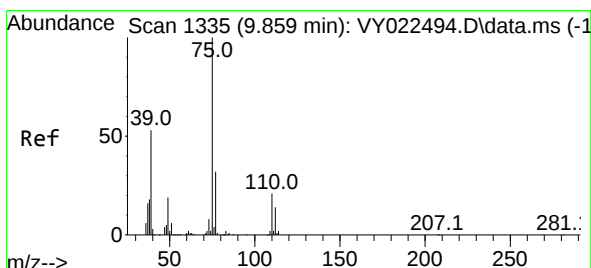
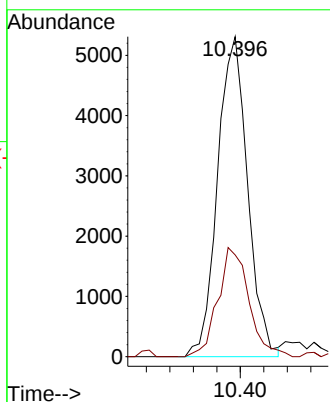
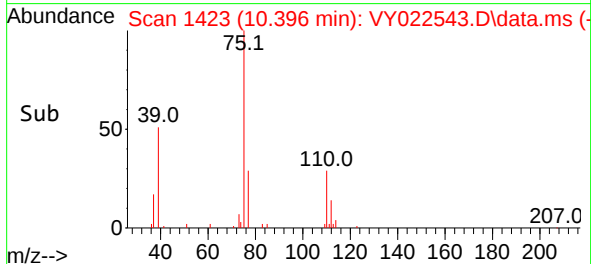
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



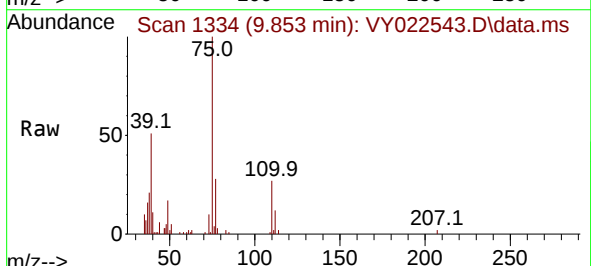
Tgt Ion: 75 Resp: 9425
Ion Ratio Lower Upper
75 100
77 31.8 26.5 39.7

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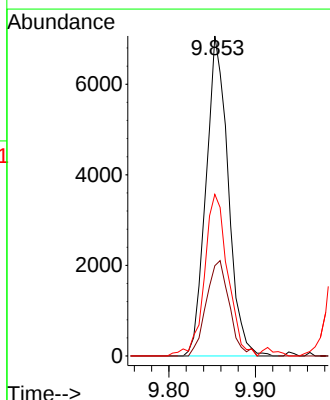
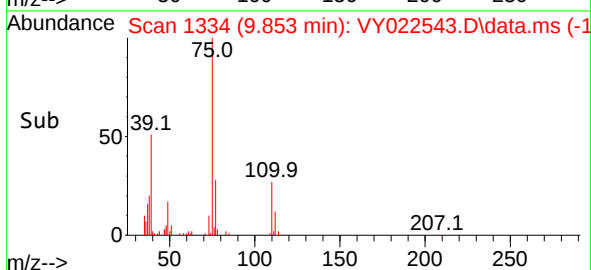
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

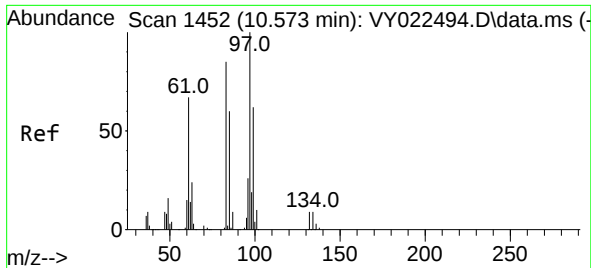


#54
cis-1,3-Dichloropropene
Concen: 3.878 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16



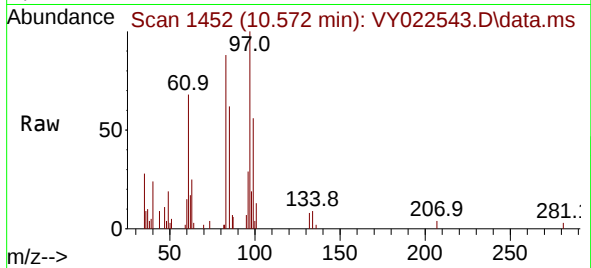
Tgt Ion: 75 Resp: 12535
Ion Ratio Lower Upper
75 100
77 28.2 25.3 37.9
39 49.3 42.7 64.1





#55
1,1,2-Trichloroethane
Concen: 3.973 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

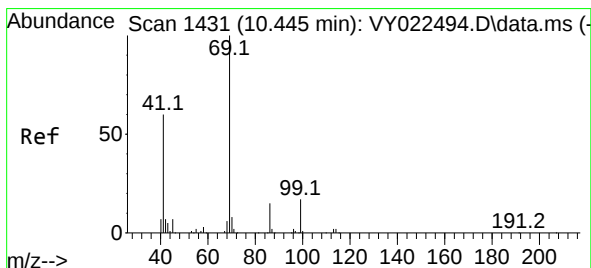
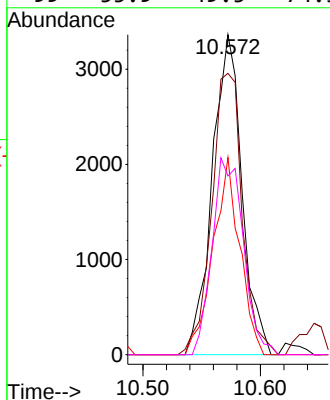
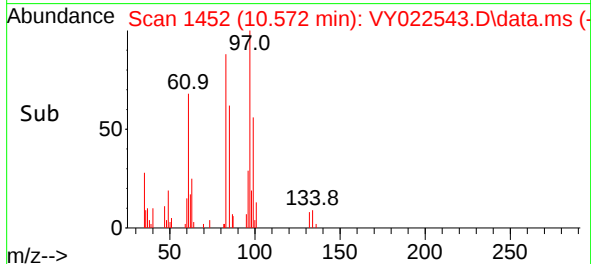
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



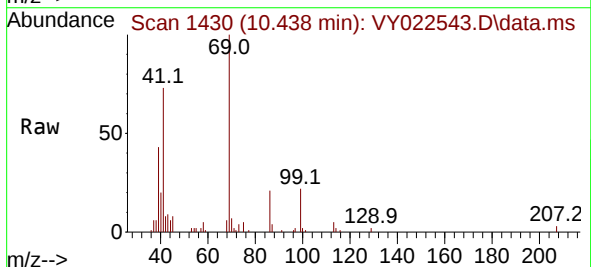
Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.9	68.1	102.1
85	61.6	48.2	72.2
99	55.9	49.5	74.3

Manual Integrations
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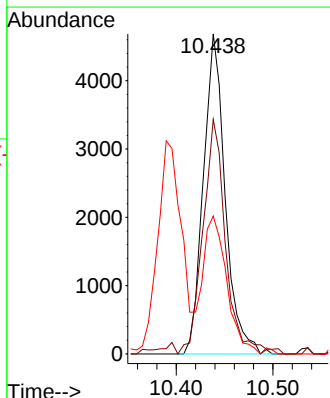
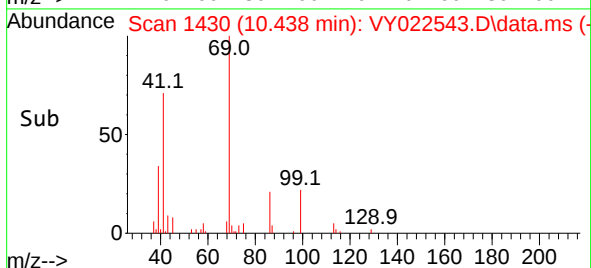
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#56
Ethyl methacrylate
Concen: 3.401 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16



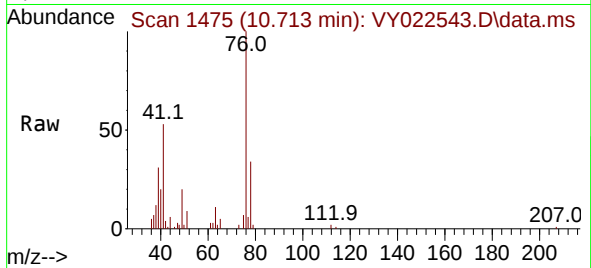
Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.3	52.2	78.2
39	46.2	36.7	55.1





#57
1,3-Dichloropropane
Concen: 3.924 ug/l
RT: 10.713 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

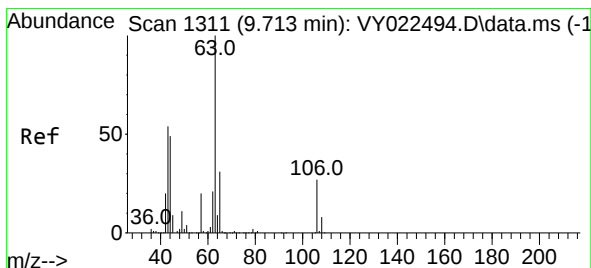
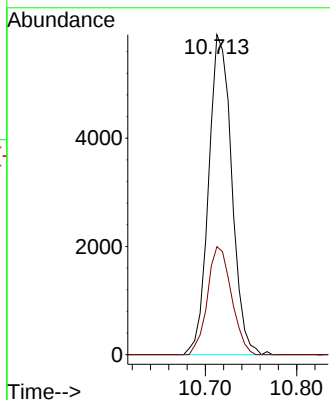
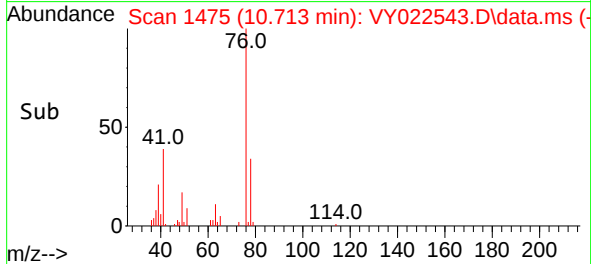
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion: 76 Resp: 1036
Ion Ratio Lower Upper
76 100
78 35.2 25.8 38.8

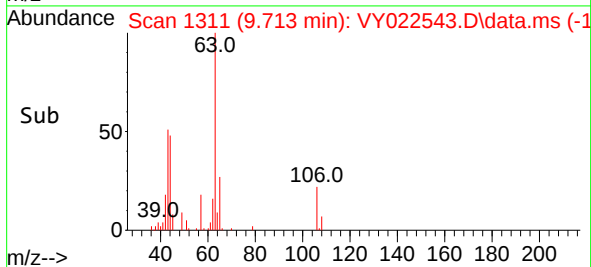
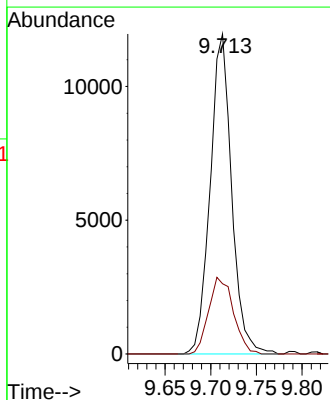
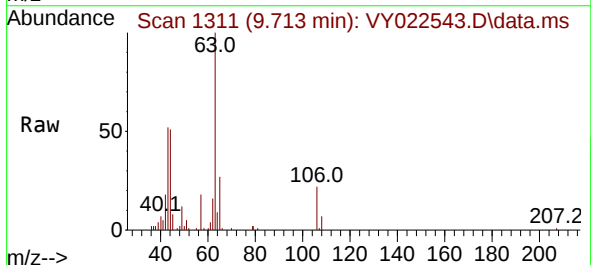
Manual Integrations
APPROVED

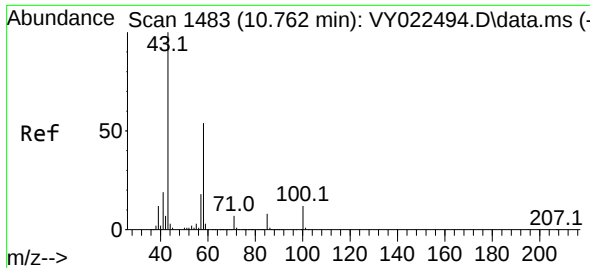
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#58
2-Chloroethyl Vinyl ether
Concen: 19.977 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

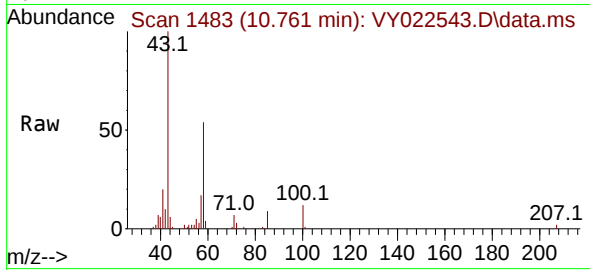
Tgt Ion: 63 Resp: 19535
Ion Ratio Lower Upper
63 100
106 27.6 21.6 32.4





#59
2-Hexanone
Concen: 17.938 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

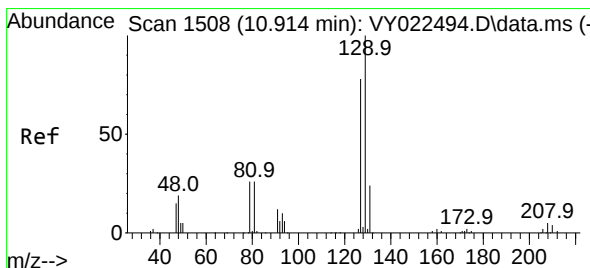
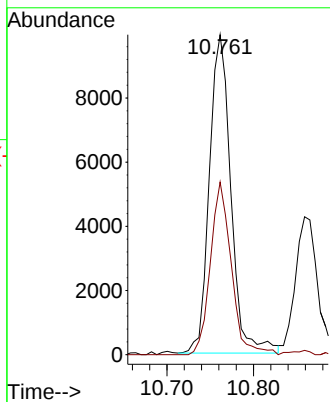
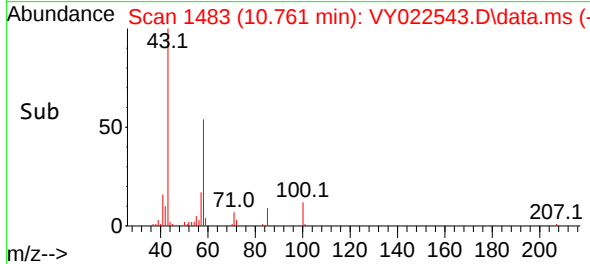
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion: 43 Resp: 17144
Ion Ratio Lower Upper
43 100
58 52.6 27.3 81.8

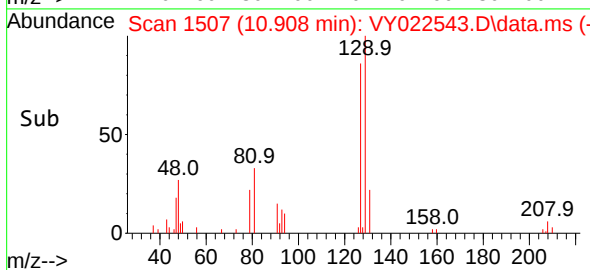
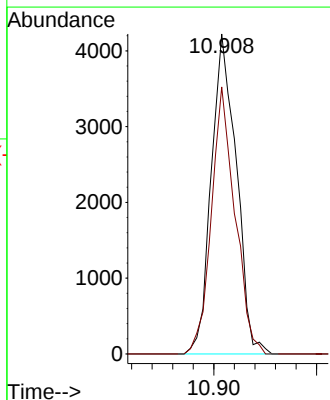
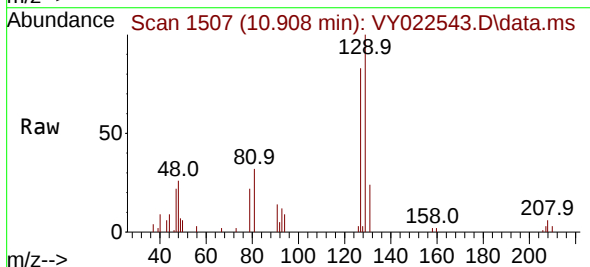
Manual Integrations
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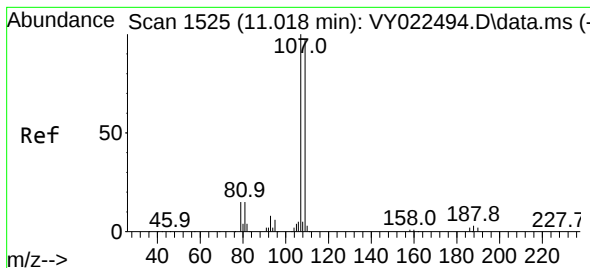
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#60
Dibromochloromethane
Concen: 3.766 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

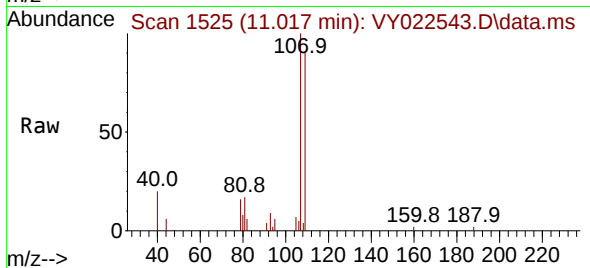
Tgt Ion:129 Resp: 7132
Ion Ratio Lower Upper
129 100
127 78.8 39.1 117.2





#61
1,2-Dibromoethane
Concen: 3.680 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

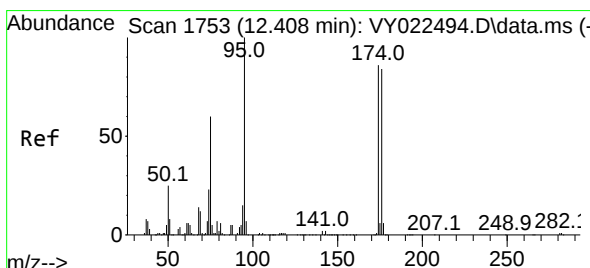
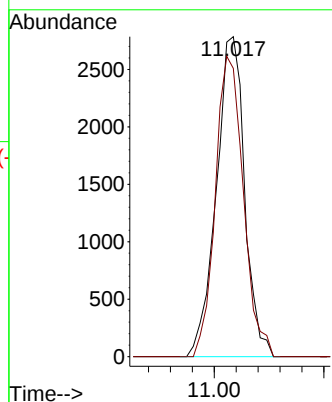
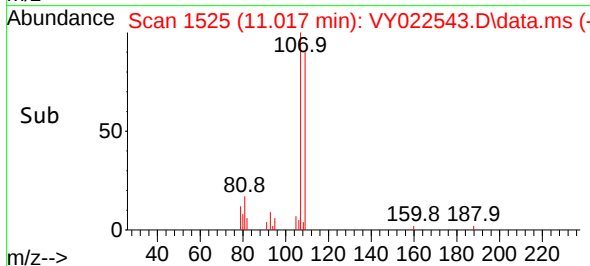
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



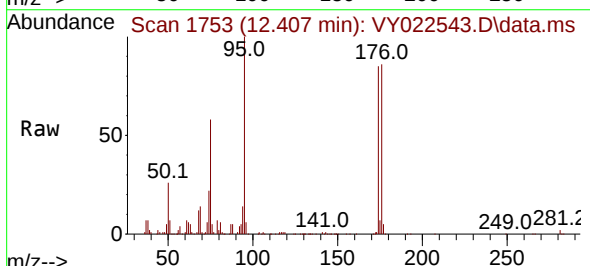
Tgt Ion:107 Resp: 4998
Ion Ratio Lower Upper
107 100
109 92.8 77.7 116.5

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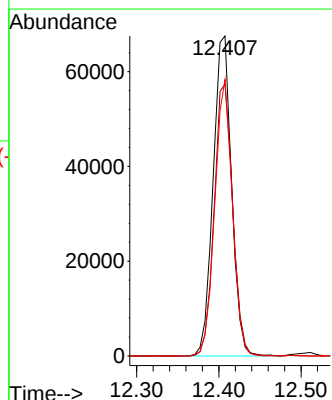
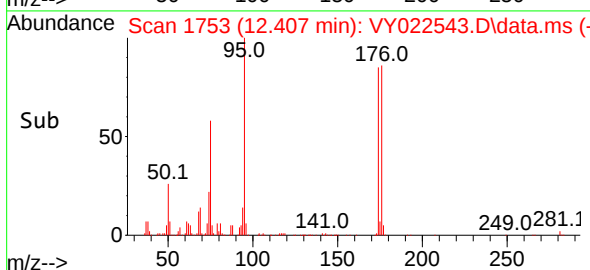
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

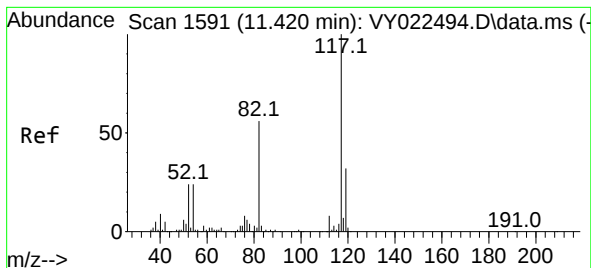


#62
4-Bromofluorobenzene
Concen: 47.572 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16



Tgt Ion: 95 Resp: 105015
Ion Ratio Lower Upper
95 100
174 85.7 0.0 170.0
176 82.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

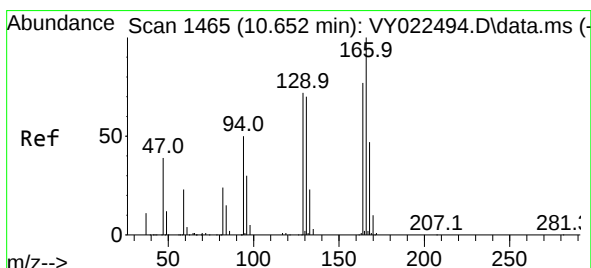
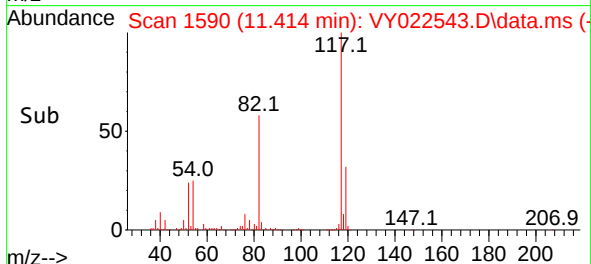
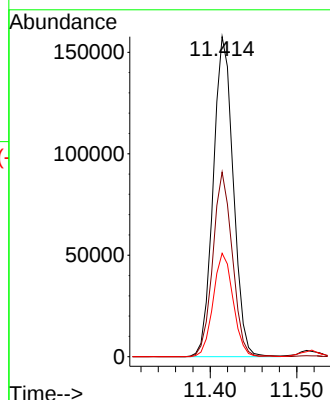
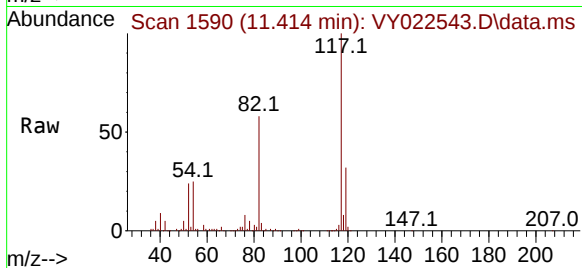
Tgt Ion:117 Resp: 25321

Ion	Ratio	Lower	Upper
117	100		
82	57.7	44.6	66.8
119	32.3	25.4	38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#64

Tetrachloroethene

Concen: 3.845 ug/l

RT: 10.652 min Scan# 1465

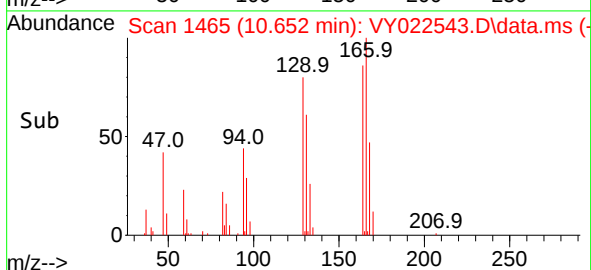
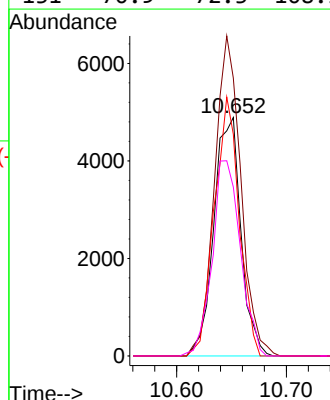
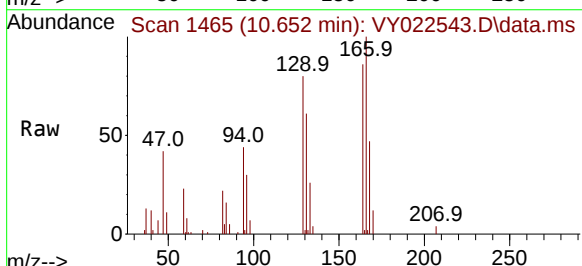
Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Tgt Ion:164 Resp: 8376

Ion	Ratio	Lower	Upper
164	100		
166	116.6	104.0	156.0
129	93.0	74.5	111.7
131	70.9	72.3	108.5





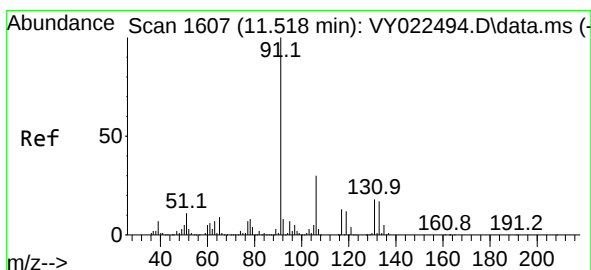
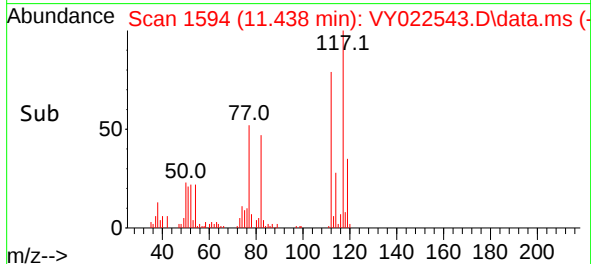
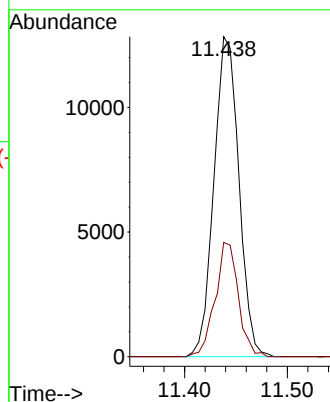
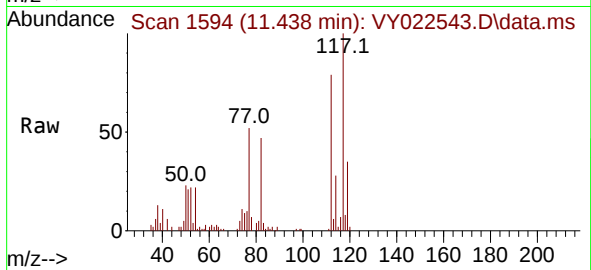
#65
Chlorobenzene
Concen: 3.859 ug/l
RT: 11.438 min Scan# 1112
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

Tgt Ion:112 Resp: 2162
Ion Ratio Lower Upper
112 100
114 35.7 25.0 37.6

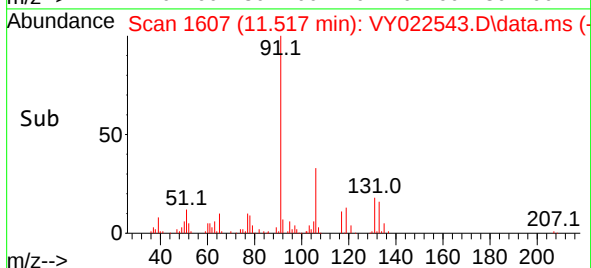
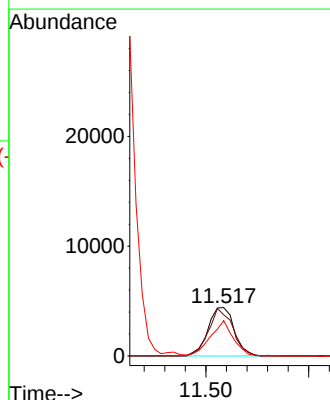
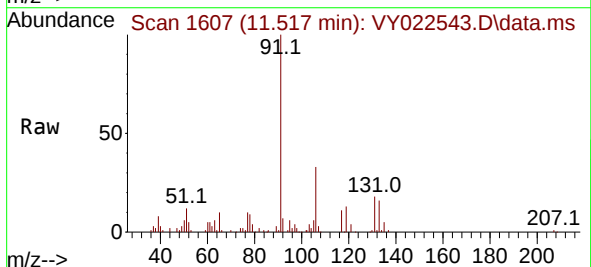
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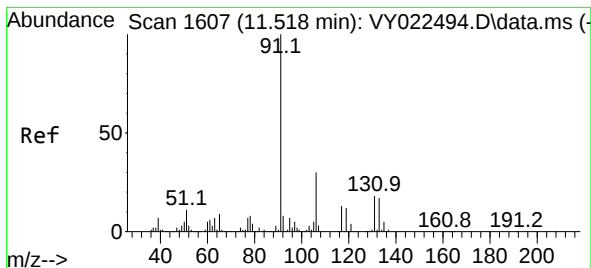
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 4.102 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion:131 Resp: 7743
Ion Ratio Lower Upper
131 100
133 92.3 47.3 141.8
119 63.7 33.1 99.3





#67

Ethyl Benzene

Concen: 3.774 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

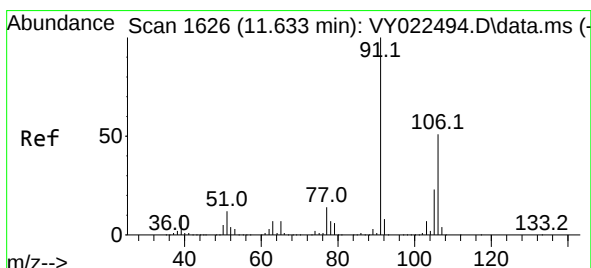
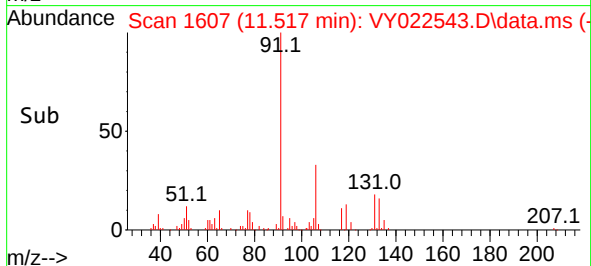
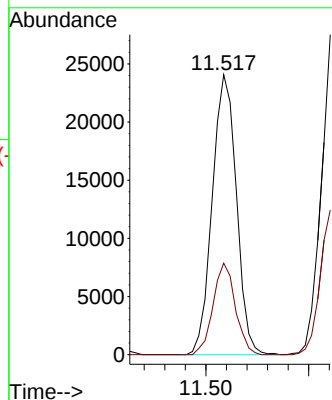
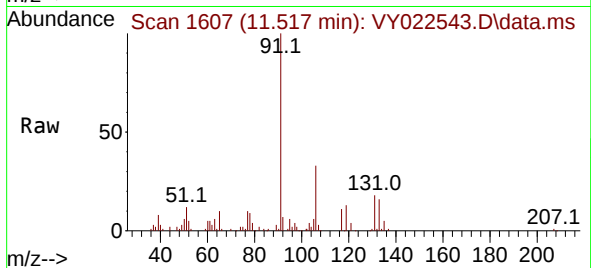
ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 91 Resp: 3922
 Ion Ratio Lower Upper
 91 100
 106 32.7 24.2 36.4

Manual Integrations
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Reviewed By :Mahesh Dadoda 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025



#68

m/p-Xylenes

Concen: 7.135 ug/l

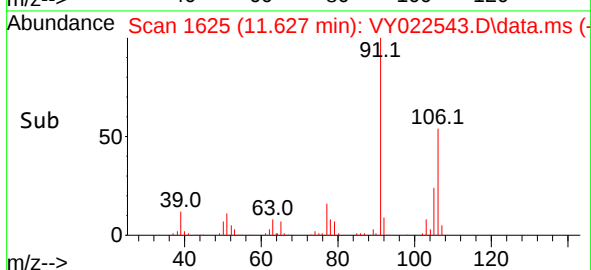
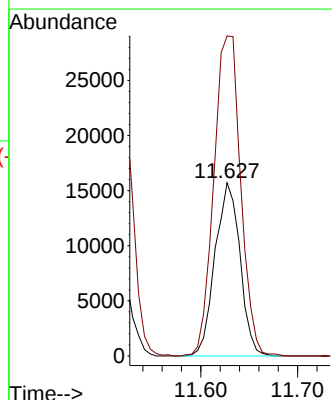
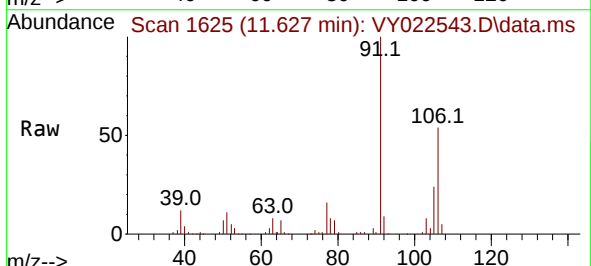
RT: 11.627 min Scan# 1625

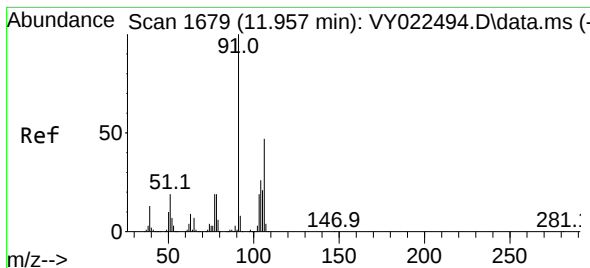
Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

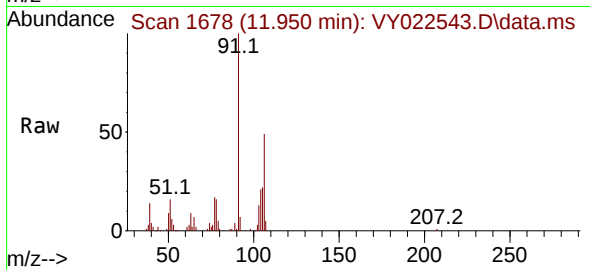
Tgt Ion:106 Resp: 28111
 Ion Ratio Lower Upper
 106 100
 91 199.2 159.4 239.0





#69
o-Xylene
Concen: 3.682 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

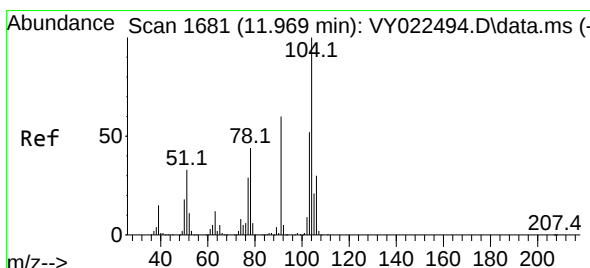
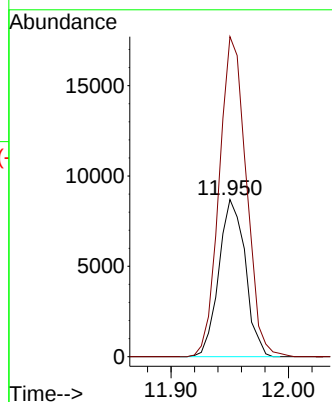
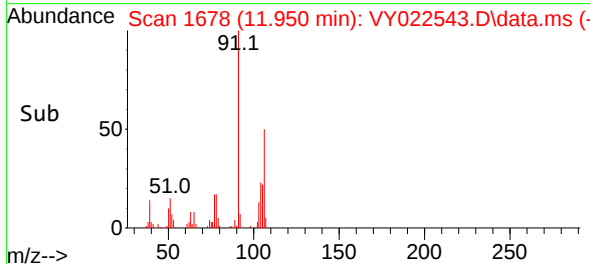
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:106 Resp: 13600
Ion Ratio Lower Upper
106 100
91 208.6 105.8 317.3

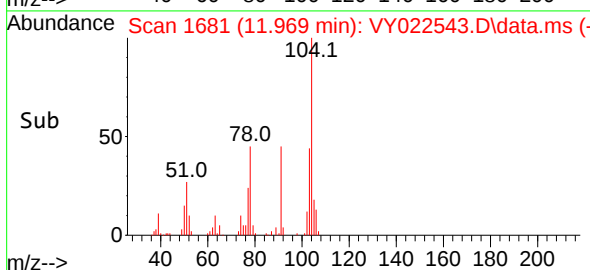
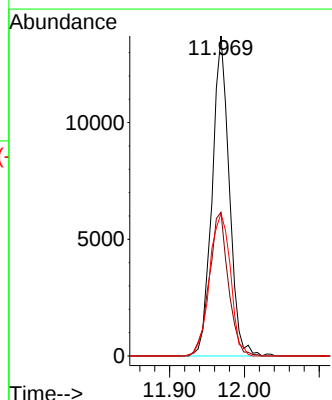
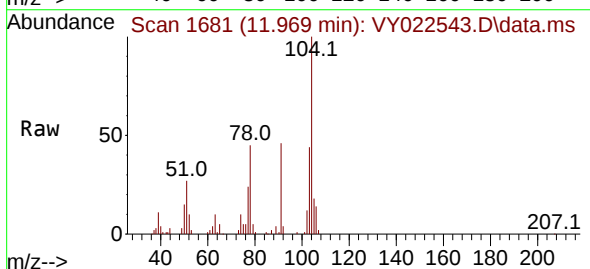
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#70
Styrene
Concen: 3.590 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion:104 Resp: 21921
Ion Ratio Lower Upper
104 100
78 50.0 39.5 59.3
103 54.1 44.1 66.1





#71

Bromoform

Concen: 3.681 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

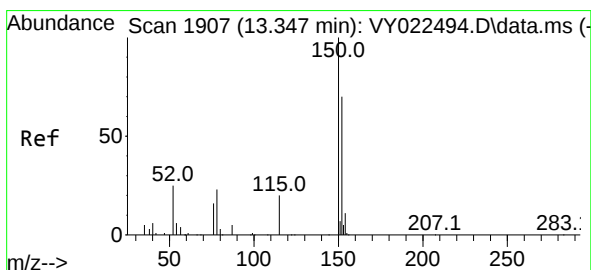
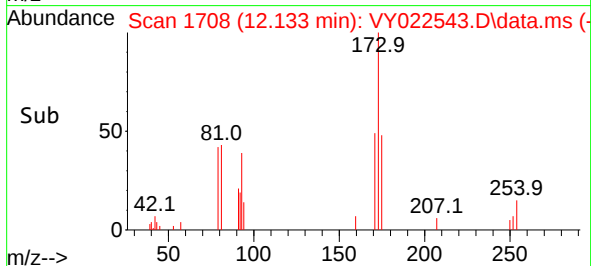
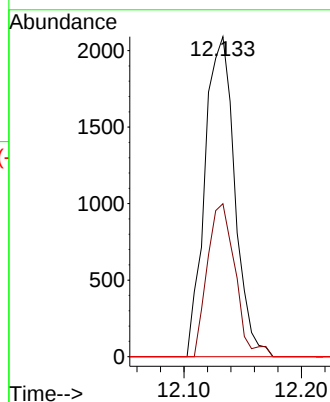
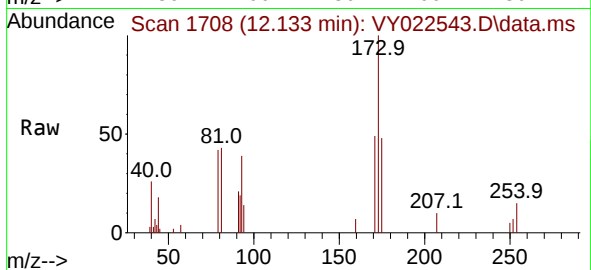
Tgt Ion:173 Resp: 3698

Ion	Ratio	Lower	Upper
173	100		
175	44.5	23.8	71.5
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

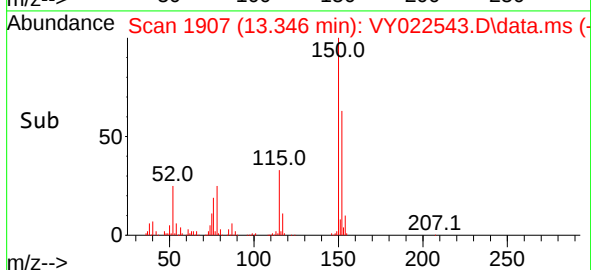
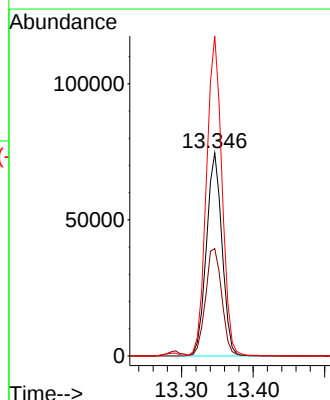
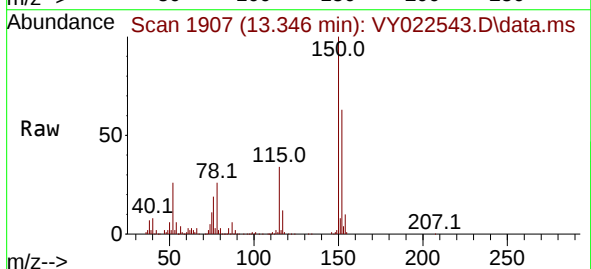
Delta R.T. -0.000 min

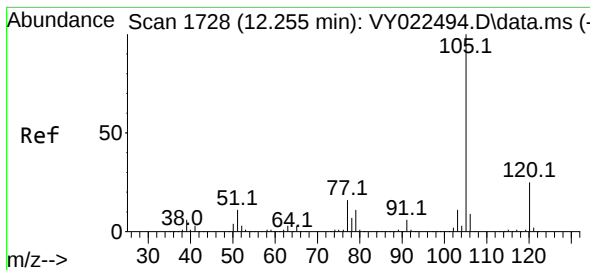
Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Tgt Ion:152 Resp: 112833

Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.9	86.7
150	156.8	0.0	349.6





#73

Isopropylbenzene

Concen: 3.710 ug/l

RT: 12.255 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 3436

Ion Ratio Lower Upper

105 100

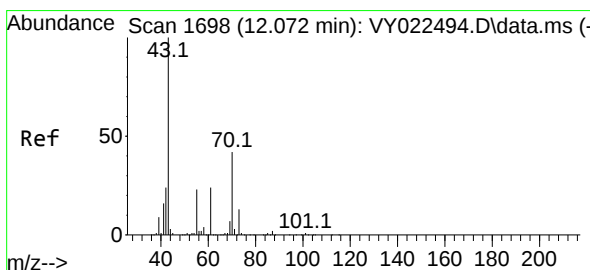
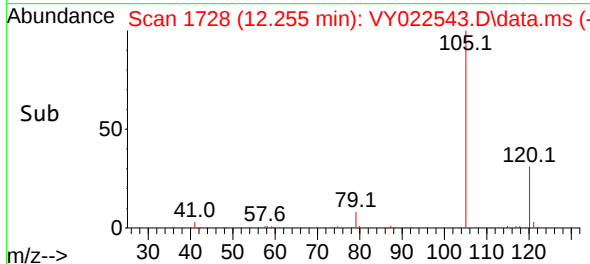
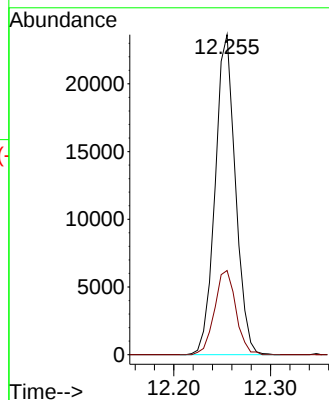
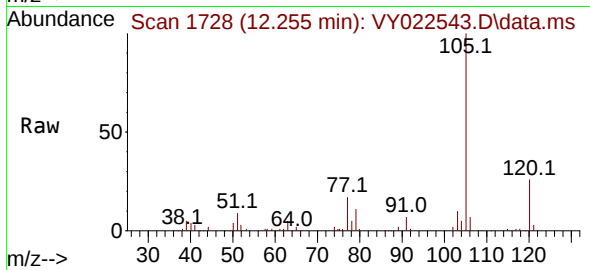
120 27.7 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025

Supervised By :Semsettin Yesilyurt 06/05/2025



#74

N-ethyl acetate

Concen: 3.870 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Tgt Ion: 43 Resp: 9045

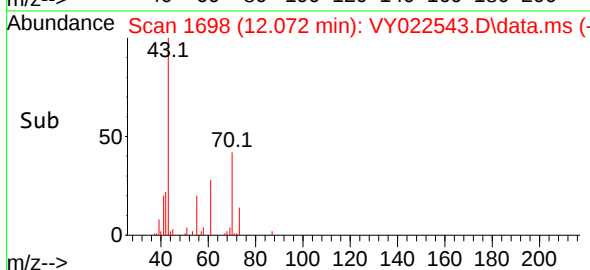
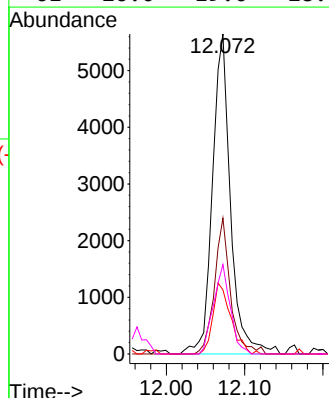
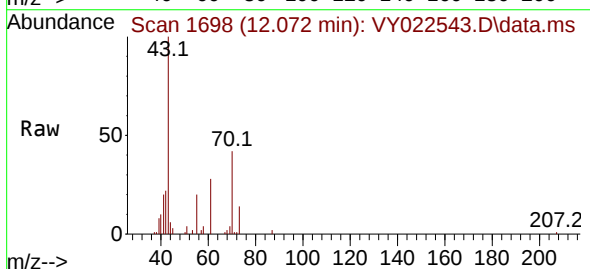
Ion Ratio Lower Upper

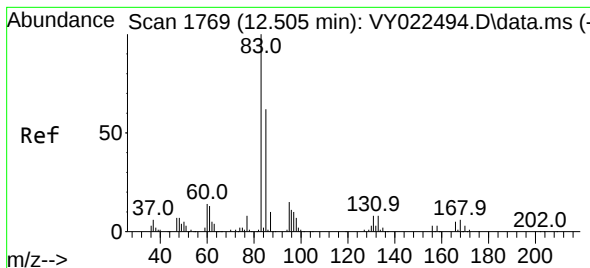
43 100

70 37.9 34.2 51.2

55 22.0 18.2 27.4

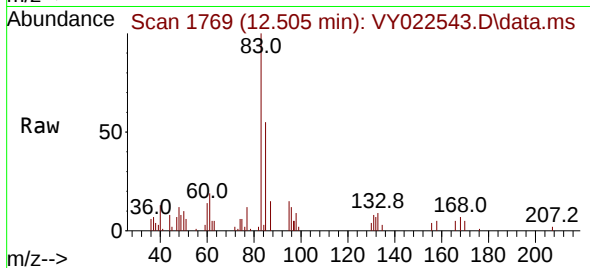
61 26.0 19.0 28.6





#75
1,1,2,2-Tetrachloroethane
Concen: 4.110 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

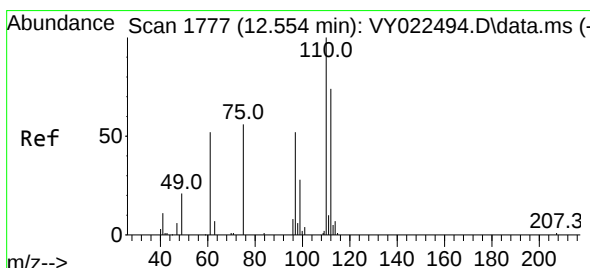
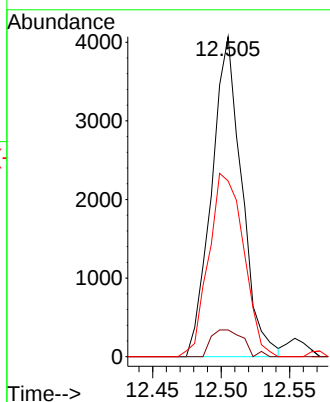
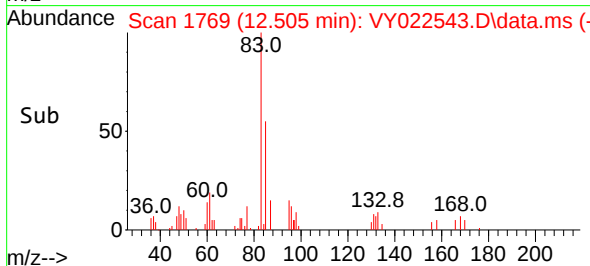
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



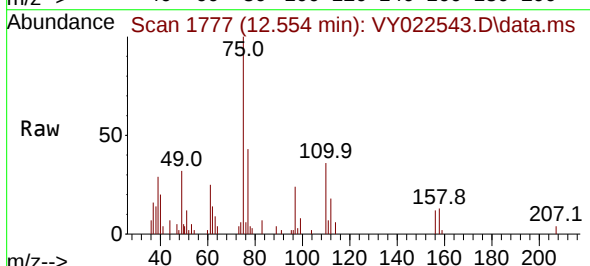
Tgt Ion: 83 Resp: 6249
Ion Ratio Lower Upper
83 100
131 8.9 4.9 14.7
85 65.9 32.6 97.8

Manual Integrations
APPROVED

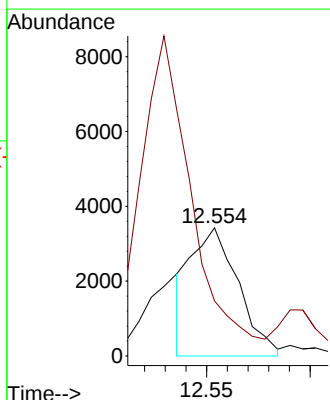
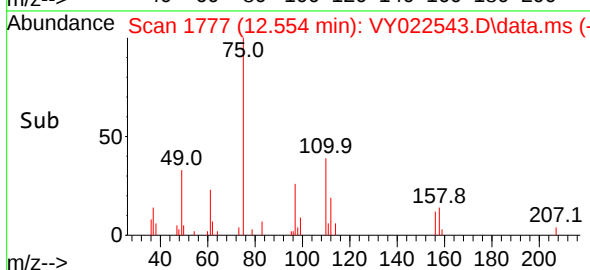
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

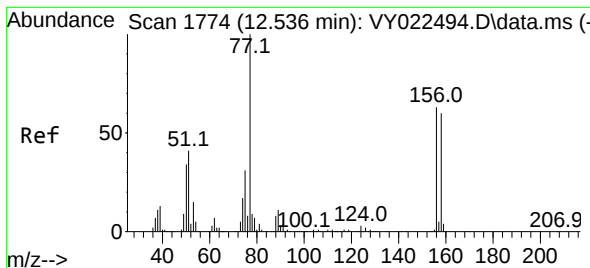


#76
1,2,3-Trichloropropane
Concen: 4.256 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16



Tgt Ion: 75 Resp: 5494
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.109 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

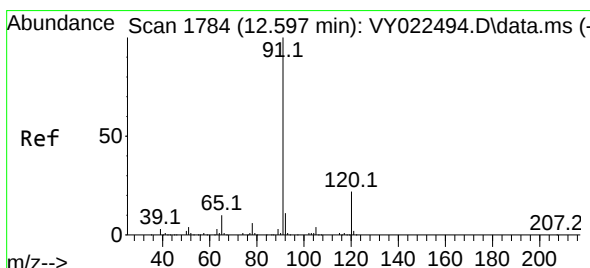
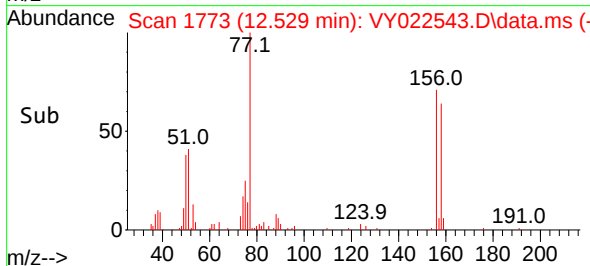
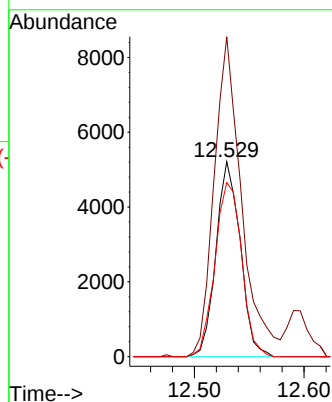
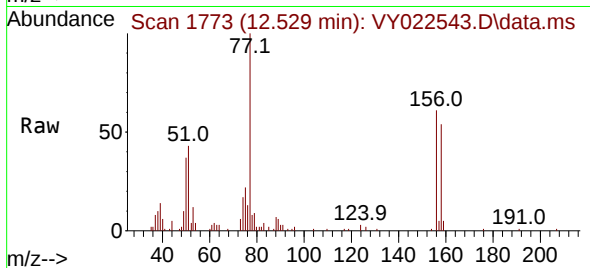
MDL-SOIL-03-QT2-2025

Tgt Ion:	156	Resp:	803
Ion Ratio	Lower	Upper	
156	100		
77	184.9	94.0	282.1
158	97.9	48.2	144.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#78

n-propylbenzene

Concen: 3.778 ug/l

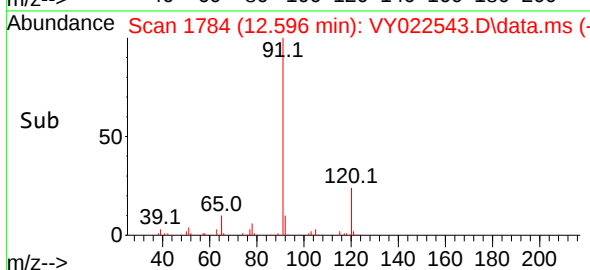
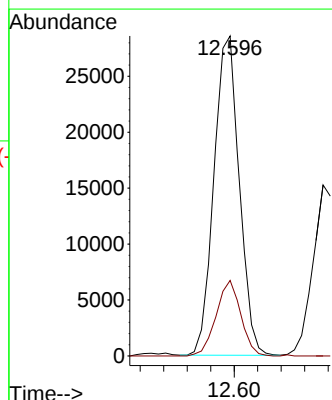
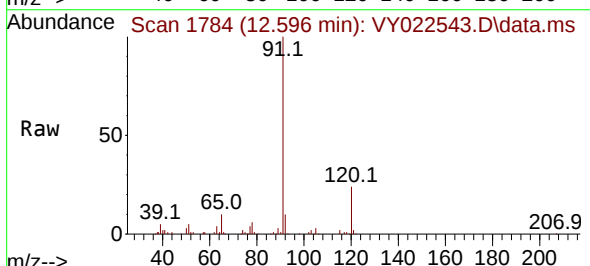
RT: 12.596 min Scan# 1784

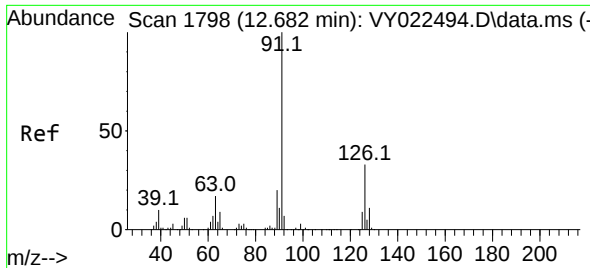
Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Tgt Ion:	91	Resp:	42743
Ion Ratio	Lower	Upper	
91	100		
120	23.0	10.8	32.4





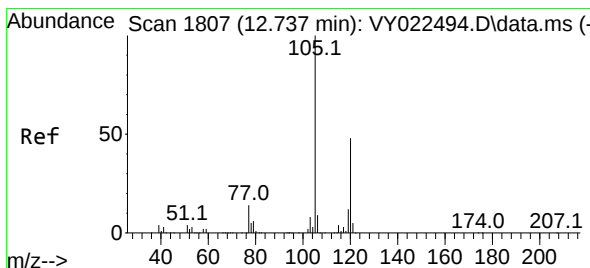
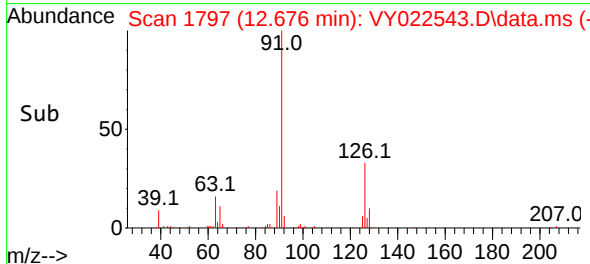
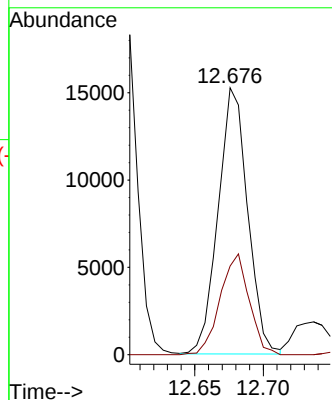
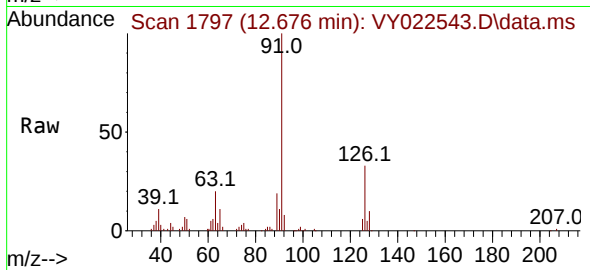
#79
2-Chlorotoluene
Concen: 3.814 ug/l
RT: 12.676 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion: 91 Resp: 2287
Ion Ratio Lower Upper
91 100
126 37.2 17.0 51.0

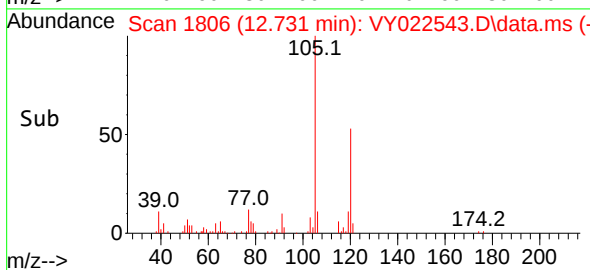
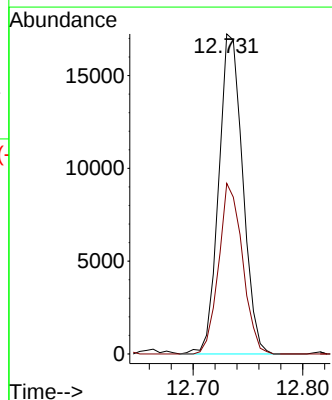
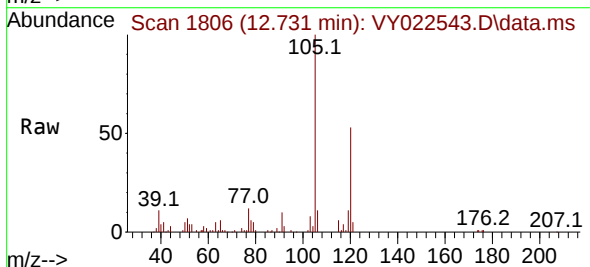
Manual Integrations
APPROVED

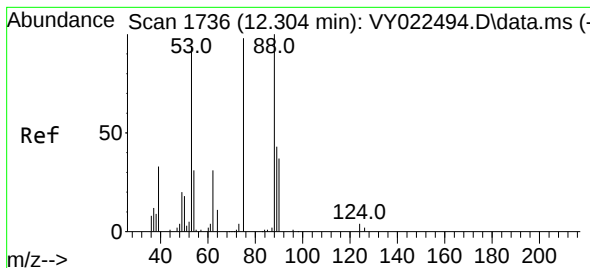
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#80
1,3,5-Trimethylbenzene
Concen: 3.606 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

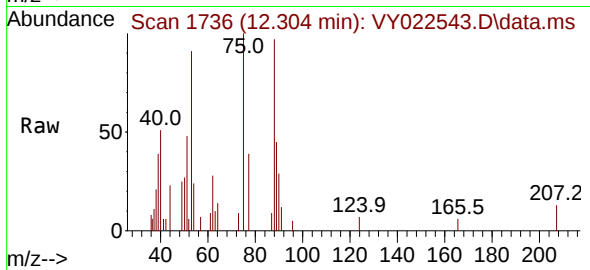
Tgt Ion:105 Resp: 26222
Ion Ratio Lower Upper
105 100
120 52.8 24.1 72.4





#81
trans-1,4-Dichloro-2-butene
Concen: 3.689 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

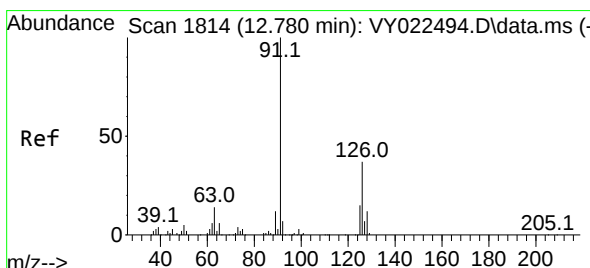
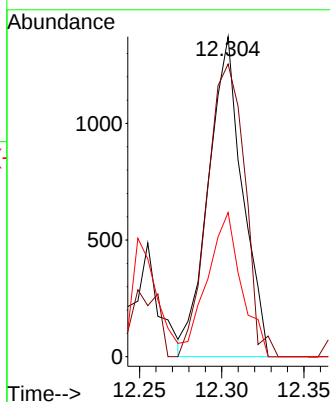
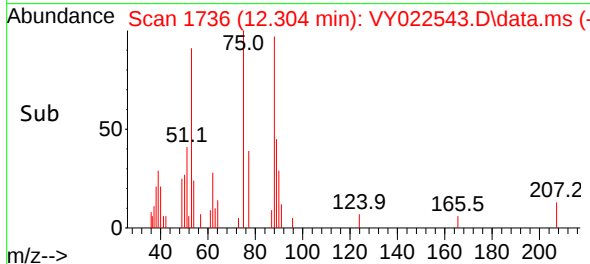
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion: 75 Resp: 1972
Ion Ratio Lower Upper
75 100
53 100.8 78.5 117.7
89 45.5 35.7 53.5

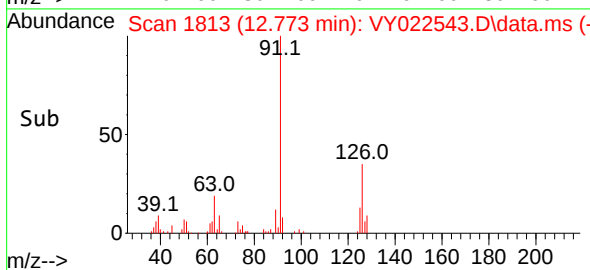
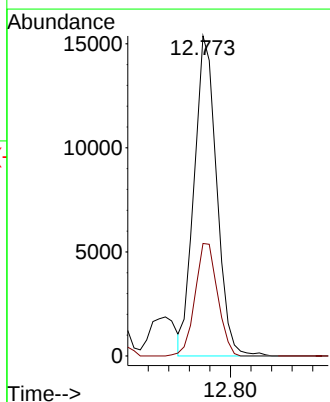
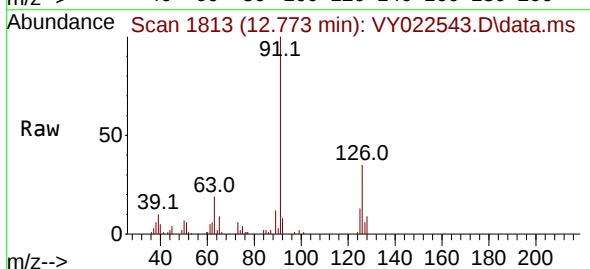
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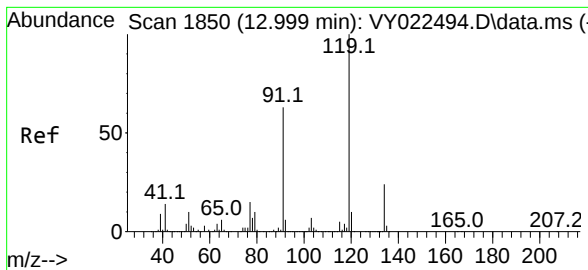
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#82
4-Chlorotoluene
Concen: 3.787 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion: 91 Resp: 23426
Ion Ratio Lower Upper
91 100
126 35.2 17.0 50.9





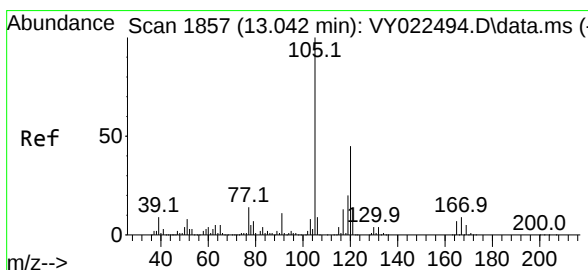
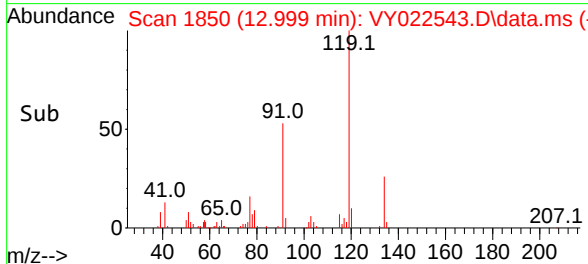
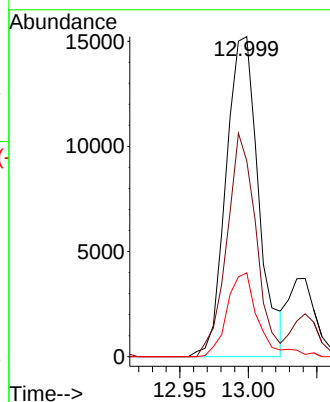
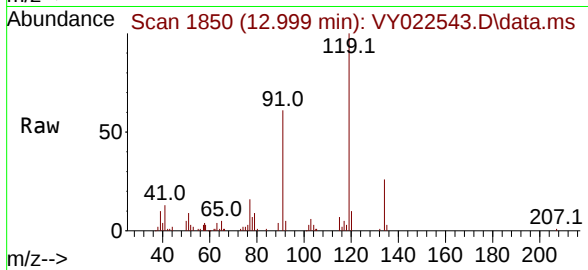
#83
tert-Butylbenzene
Concen: 3.853 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

Tgt Ion:119 Resp: 25148
Ion Ratio Lower Upper
119 100
91 62.7 32.1 96.3
134 25.2 13.0 38.9

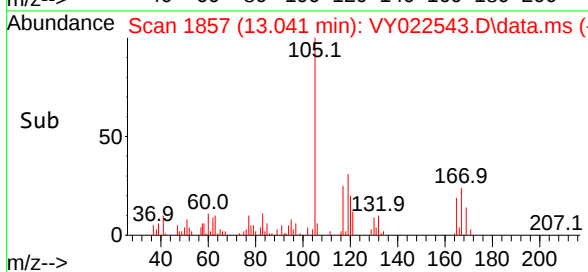
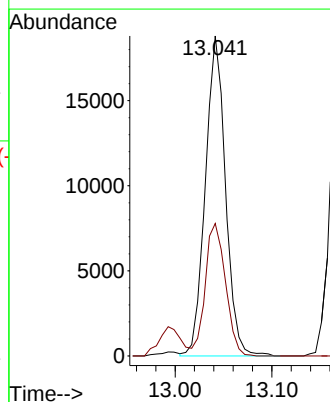
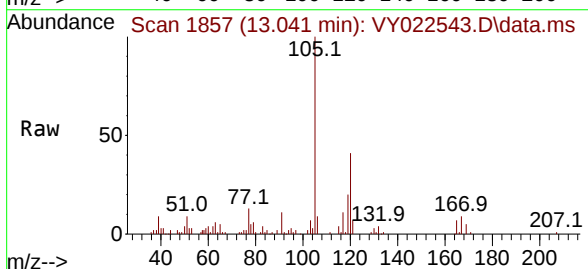
Manual Integrations
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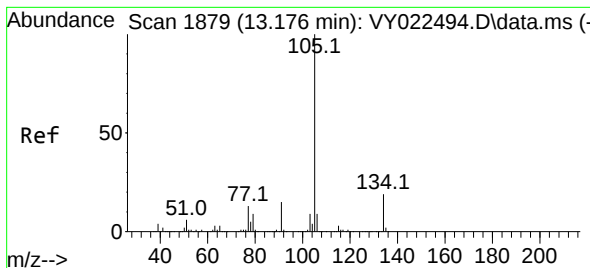
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#84
1,2,4-Trimethylbenzene
Concen: 3.751 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion:105 Resp: 27288
Ion Ratio Lower Upper
105 100
120 41.4 22.7 68.1





#85

sec-Butylbenzene

Concen: 3.603 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

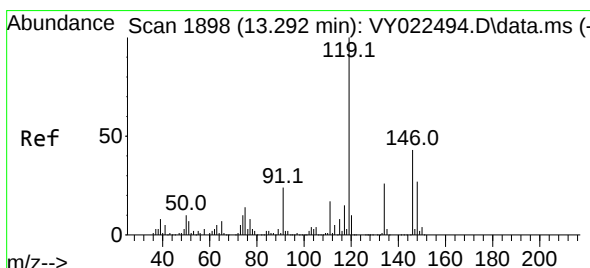
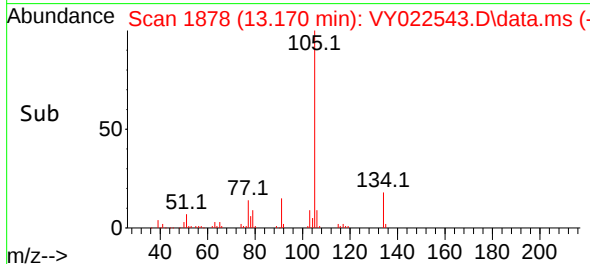
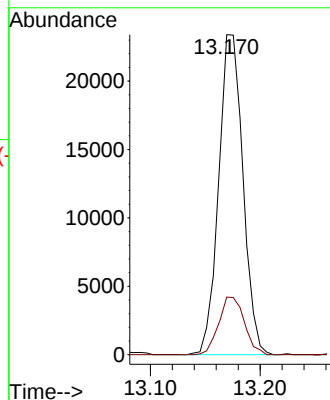
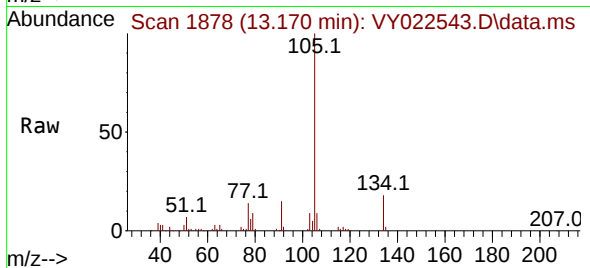
ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 36020
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.7 28.9

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Reviewed By :Mahesh Dadoda 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025



#86

p-Isopropyltoluene

Concen: 3.466 ug/l

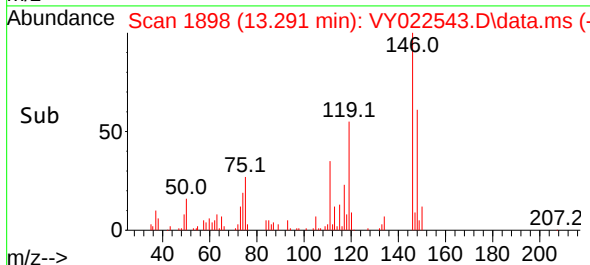
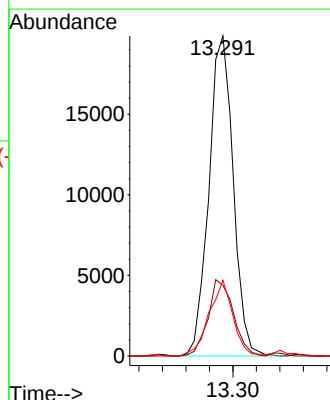
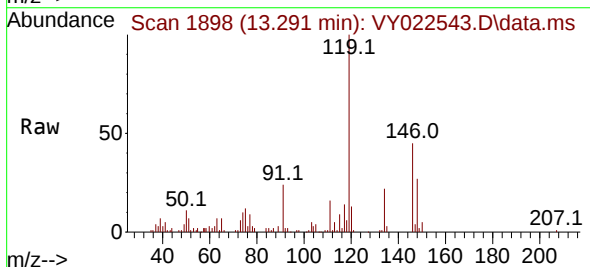
RT: 13.291 min Scan# 1898

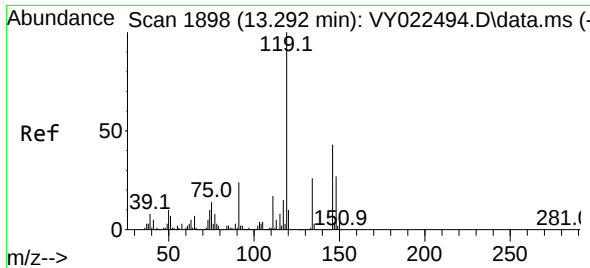
Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

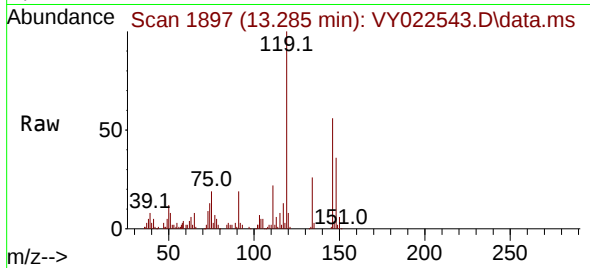
Tgt Ion:119 Resp: 28563
 Ion Ratio Lower Upper
 119 100
 134 24.8 13.1 39.1
 91 23.2 11.6 34.8





#87
1,3-Dichlorobenzene
Concen: 3.771 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

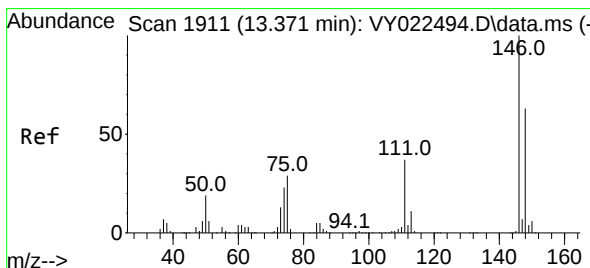
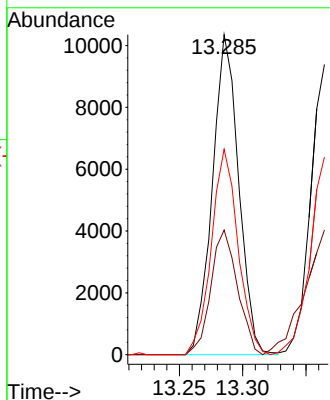
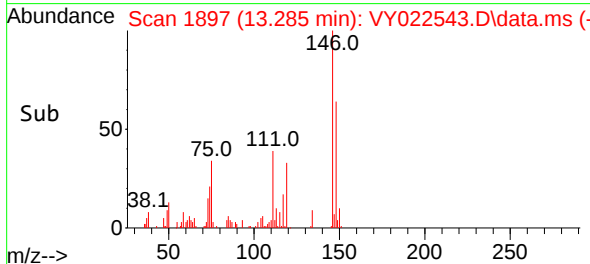
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:146 Resp: 14930
Ion Ratio Lower Upper
146 100
111 39.5 20.1 60.2
148 65.4 32.1 96.3

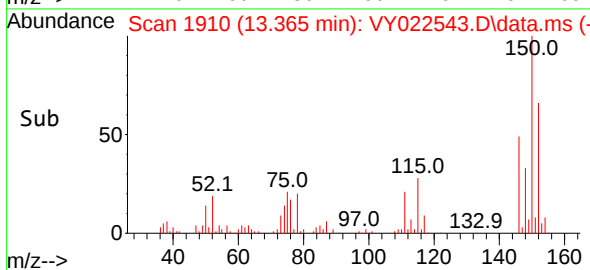
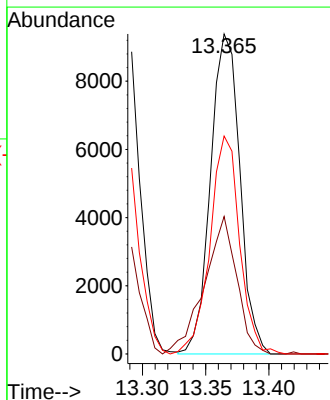
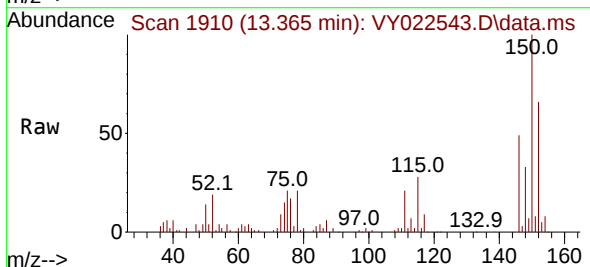
Manual Integrations
APPROVED

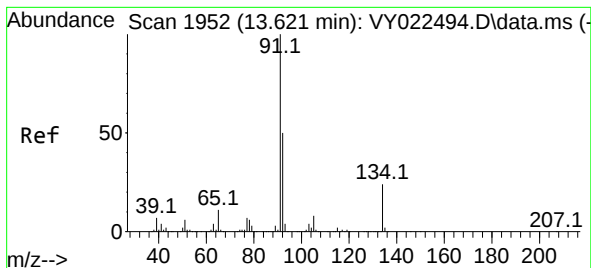
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#88
1,4-Dichlorobenzene
Concen: 3.939 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion:146 Resp: 15131
Ion Ratio Lower Upper
146 100
111 47.5 19.4 58.2
148 68.7 31.6 94.8





#89

n-Butylbenzene

Concen: 3.647 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

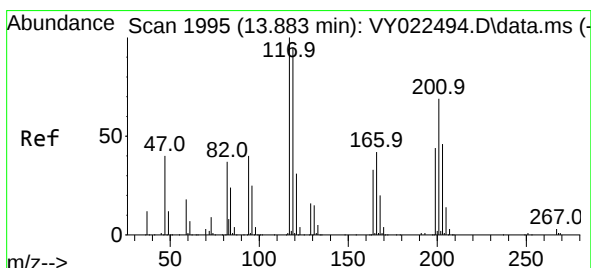
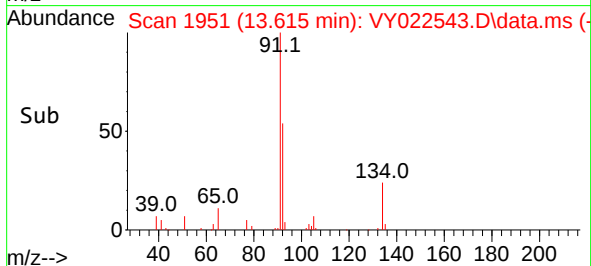
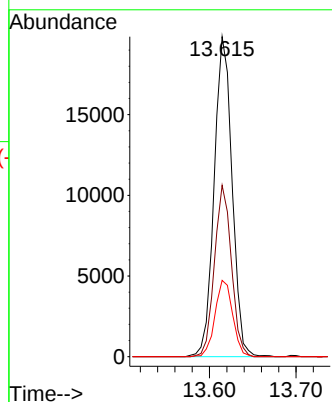
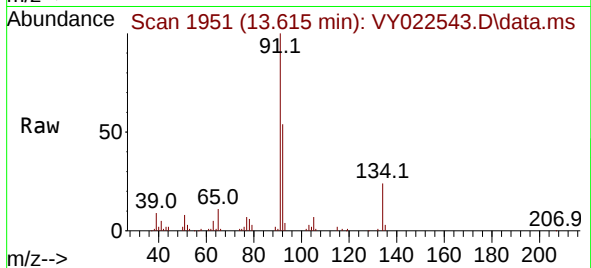
MDL-SOIL-03-QT2-2025

Tgt Ion:	91	Resp:	2851
Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.9	77.8
134	23.5	12.0	36.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#90

Hexachloroethane

Concen: 3.900 ug/l

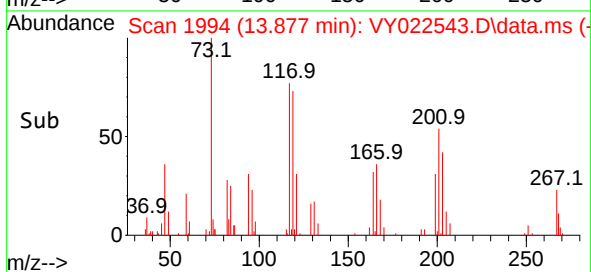
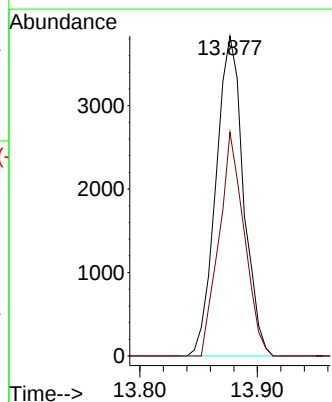
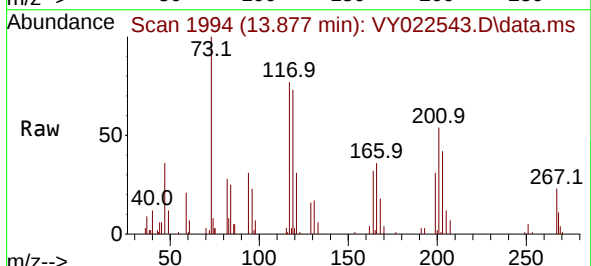
RT: 13.877 min Scan# 1994

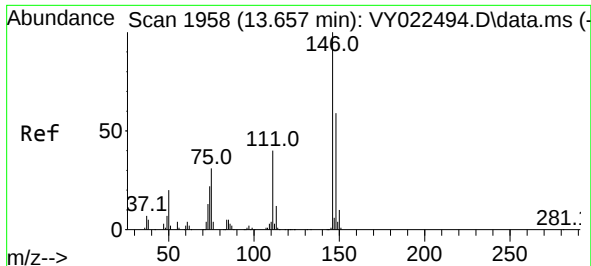
Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

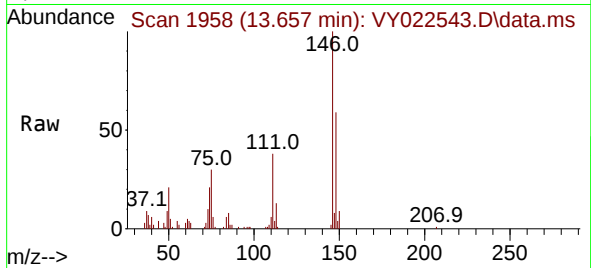
Tgt Ion:	117	Resp:	6256
Ion	Ratio	Lower	Upper
117	100		
201	64.0	34.0	102.0





#91
1,2-Dichlorobenzene
Concen: 3.879 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

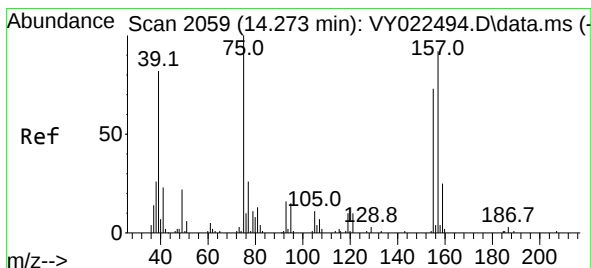
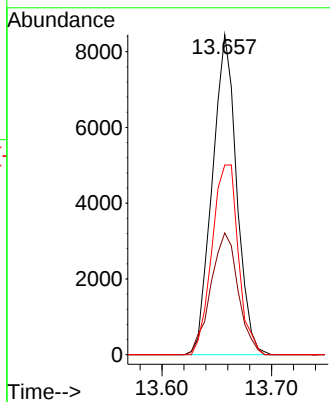
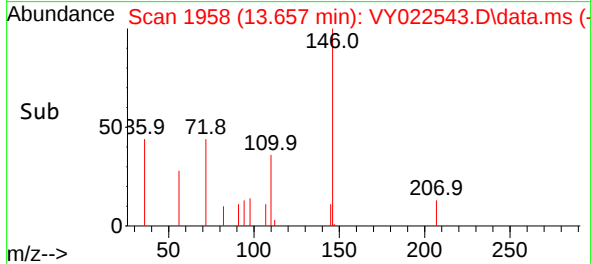
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



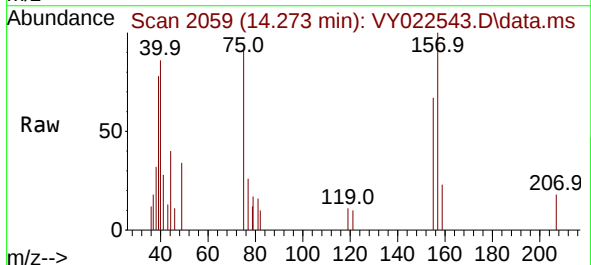
Tgt Ion:146 Resp: 1304
Ion Ratio Lower Upper
146 100
111 42.7 20.2 60.6
148 64.4 31.4 94.0

Manual Integrations
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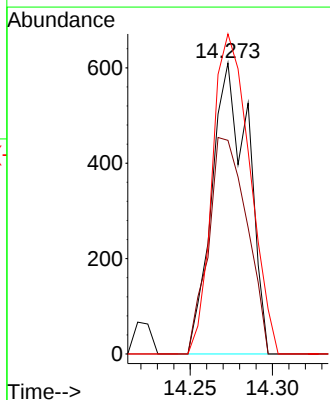
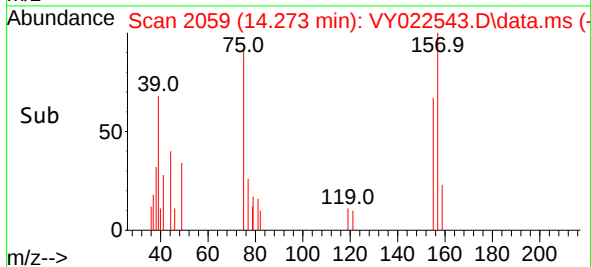
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

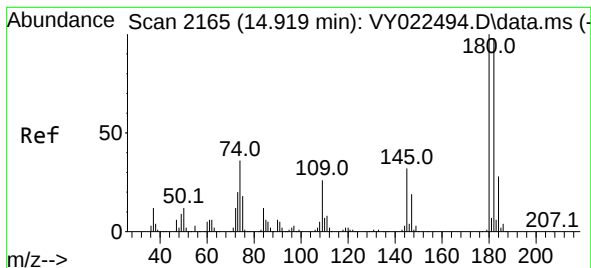


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.233 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16



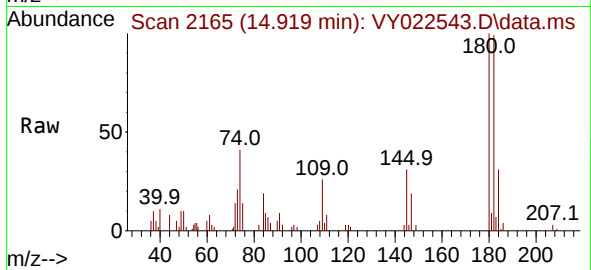
Tgt Ion: 75 Resp: 937
Ion Ratio Lower Upper
75 100
155 78.4 39.9 119.6
157 113.0 54.0 162.0





#93
1,2,4-Trichlorobenzene
Concen: 3.746 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

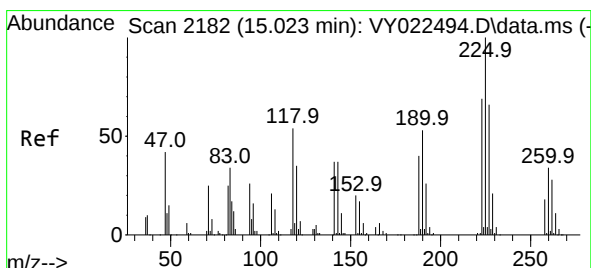
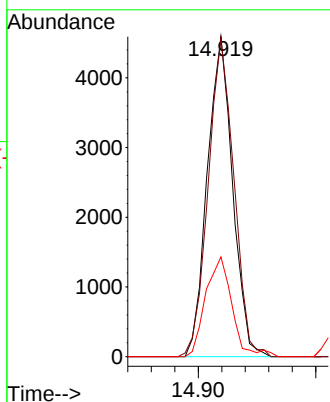
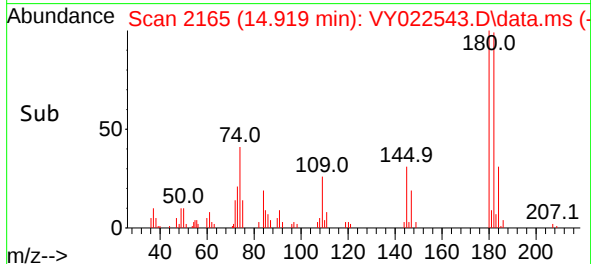
Instrument : MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:180 Resp: 6870
Ion Ratio Lower Upper
180 100
182 101.0 48.4 145.3
145 32.4 15.5 46.5

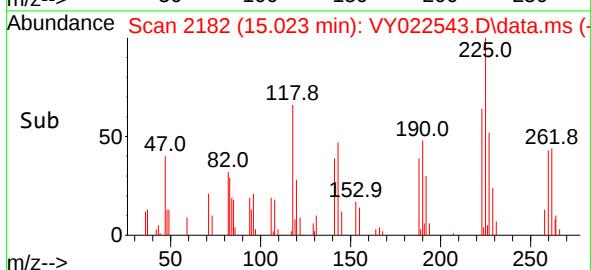
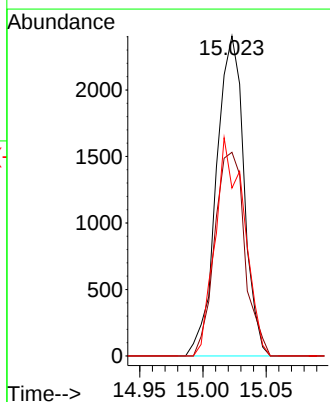
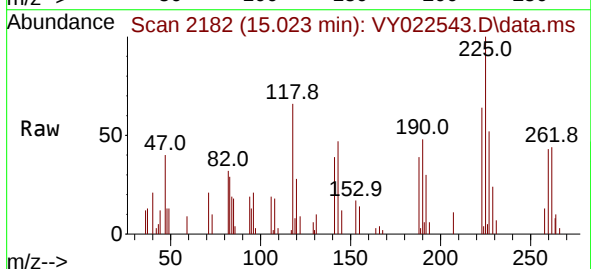
Manual Integrations
APPROVED

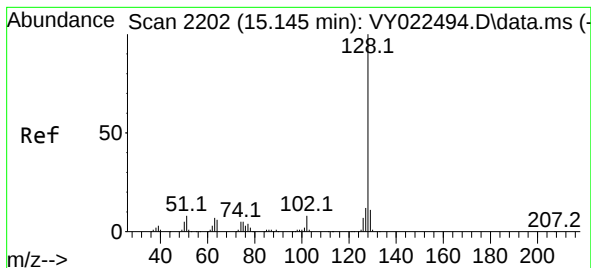
Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#94
Hexachlorobutadiene
Concen: 3.601 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022543.D
Acq: 04 Jun 2025 12:16

Tgt Ion:225 Resp: 3645
Ion Ratio Lower Upper
225 100
223 69.4 32.5 97.4
227 71.7 32.3 96.9





#95

Naphthalene

Concen: 3.553 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Instrument :

MSVOA_Y

ClientSampleId :

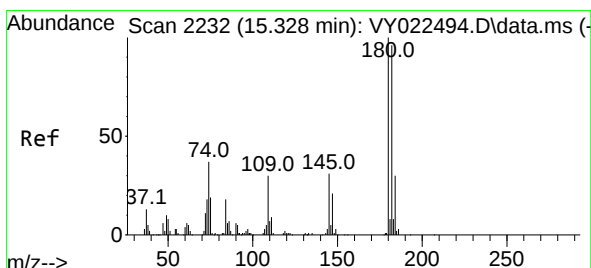
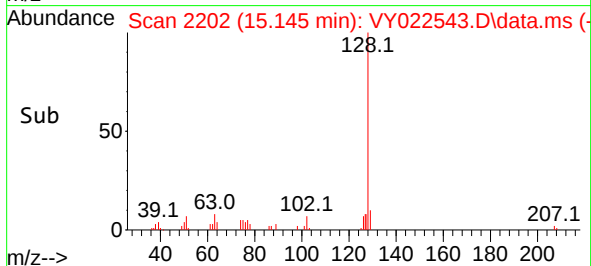
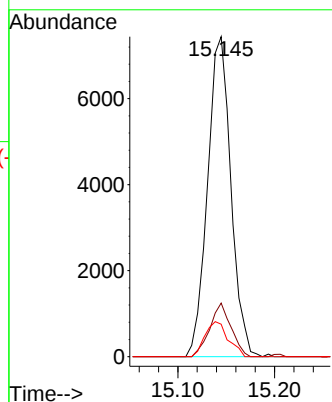
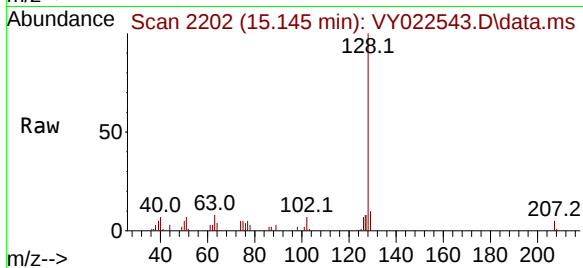
MDL-SOIL-03-QT2-2025

Tgt Ion:	128	Resp:	12500
Ion Ratio	Lower	Upper	
128	100		
127	15.2	10.4	15.6
129	10.8	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



#96

1,2,3-Trichlorobenzene

Concen: 4.090 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. -0.006 min

Lab File: VY022543.D

Acq: 04 Jun 2025 12:16

Tgt Ion:	180	Resp:	6428
Ion Ratio	Lower	Upper	
180	100		
182	90.4	47.1	141.3
145	30.6	15.2	45.6

