

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
 Data File : VY022444.D
 Acq On : 28 May 2025 11:40
 Operator : SY/MD
 Sample : Q2126-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Quant Time: May 29 01:53:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025
 Supervised By :Semsettin Yesilyurt 05/29/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	217452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	377951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	307961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	132317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114860	50.148	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.300%			
35) Dibromofluoromethane	7.634	113	108785	49.148	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.300%			
50) Toluene-d8	10.109	98	446562	49.491	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.980%			
62) 4-Bromofluorobenzene	12.408	95	123282	45.169	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	13209	6.367	ug/l	97
3) Chloromethane	2.068	50	31115	6.097	ug/l	99
4) Vinyl Chloride	2.202	62	35803	5.775	ug/l	99
5) Bromomethane	2.598	94	34297	6.088	ug/l	95
6) Chloroethane	2.739	64	24572	6.065	ug/l	99
7) Trichlorofluoromethane	3.050	101	30439	5.819	ug/l	99
8) Diethyl Ether	3.464	74	6452	5.350	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	13487	5.877	ug/l	99
10) Methyl Iodide	4.007	142	12205	4.714	ug/l	98
11) Tert butyl alcohol	4.872	59	4300m	26.634	ug/l	
12) 1,1-Dichloroethene	3.787	96	12818	5.626	ug/l	94
13) Acrolein	3.659	56	5915	24.452	ug/l #	82
14) Allyl chloride	4.391	41	19615	5.723	ug/l	98
15) Acrylonitrile	5.055	53	12730m	26.186	ug/l	
16) Acetone	3.873	43	11271m	29.946	ug/l	
17) Carbon Disulfide	4.110	76	41767	5.745	ug/l	98
18) Methyl Acetate	4.385	43	6496	4.607	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	32273	5.336	ug/l #	86
20) Methylene Chloride	4.616	84	19475	7.328	ug/l #	91
21) trans-1,2-Dichloroethene	5.116	96	14311	5.754	ug/l	90
22) Diisopropyl ether	6.019	45	40914	5.409	ug/l #	95
23) Vinyl Acetate	5.964	43	113437	26.120	ug/l	100
24) 1,1-Dichloroethane	5.915	63	24838	5.557	ug/l	99
25) 2-Butanone	6.903	43	15953	25.451	ug/l	95
26) 2,2-Dichloropropane	6.890	77	22491	5.557	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	15880	5.515	ug/l	98
28) Bromochloromethane	7.250	49	9836	5.270	ug/l	96
29) Tetrahydrofuran	7.262	42	10660	25.500	ug/l	99
30) Chloroform	7.421	83	24872	5.648	ug/l	94
31) Cyclohexane	7.701	56	28815	6.540	ug/l #	81
32) 1,1,1-Trichloroethane	7.610	97	21920	5.484	ug/l	98
36) 1,1-Dichloropropene	7.841	75	19339	5.506	ug/l	99
37) Ethyl Acetate	6.988	43	7989	5.352	ug/l #	93
38) Carbon Tetrachloride	7.829	117	19265	5.265	ug/l	96
39) Methylcyclohexane	9.109	83	25646	5.493	ug/l	96
40) Benzene	8.079	78	56318	5.389	ug/l	99

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Manual Integrations
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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	5517m	6.090	ug/l	
42) 1,2-Dichloroethane	8.152	62	14647	5.306	ug/l	96
43) Isopropyl Acetate	8.195	43	16520	5.065	ug/l	98
44) Trichloroethene	8.866	130	14085	5.452	ug/l	88
45) 1,2-Dichloropropane	9.146	63	13177	5.366	ug/l #	89
46) Dibromomethane	9.231	93	6817	4.970	ug/l	99
47) Bromodichloromethane	9.426	83	17281	4.899	ug/l	91
48) Methyl methacrylate	9.225	41	7161	4.730	ug/l	98
49) 1,4-Dioxane	9.244	88	1514	99.927	ug/l #	79
51) 4-Methyl-2-Pentanone	10.000	43	36445	22.646	ug/l	99
52) Toluene	10.170	92	34138	5.230	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	15395	4.685	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	18822	4.875	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	8886	5.124	ug/l	94
56) Ethyl methacrylate	10.438	69	12484	5.016	ug/l	99
57) 1,3-Dichloropropane	10.719	76	15466	5.060	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	25126	20.257	ug/l	97
59) 2-Hexanone	10.762	43	23569	22.347	ug/l	96
60) Dibromochloromethane	10.914	129	10507	4.743	ug/l	96
61) 1,2-Dibromoethane	11.018	107	7373	4.648	ug/l	93
64) Tetrachloroethene	10.652	164	15120	5.765	ug/l	91
65) Chlorobenzene	11.444	112	36034	5.487	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.518	131	11605	5.216	ug/l	97
67) Ethyl Benzene	11.524	91	64645	5.302	ug/l	98
68) m/p-Xylenes	11.633	106	46249	10.005	ug/l	100
69) o-Xylene	11.957	106	22035	5.072	ug/l	98
70) Styrene	11.975	104	35874	4.959	ug/l	98
71) Bromoform	12.133	173	5718	4.907	ug/l #	96
73) Isopropylbenzene	12.255	105	57689	5.540	ug/l	100
74) N-amyl acetate	12.072	43	12426	4.876	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	9024	5.500	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	7008m	5.288	ug/l	
77) Bromobenzene	12.536	156	12721	5.676	ug/l	98
78) n-propylbenzene	12.597	91	72456	5.798	ug/l	99
79) 2-Chlorotoluene	12.682	91	38079	5.629	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	45653	5.611	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	2756	4.703	ug/l	94
82) 4-Chlorotoluene	12.780	91	40147	5.762	ug/l	97
83) tert-Butylbenzene	12.999	119	40945	5.570	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	44267	5.406	ug/l	99
85) sec-Butylbenzene	13.176	105	63628	5.836	ug/l	100
86) p-Isopropyltoluene	13.292	119	48843	5.365	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	24879	5.517	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	24930	5.782	ug/l	94
89) n-Butylbenzene	13.621	91	48231	5.650	ug/l	100
90) Hexachloroethane	13.877	117	9924	5.478	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	20784	5.518	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1228	4.844	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	11847	5.674	ug/l	97
94) Hexachlorobutadiene	15.029	225	6939	6.333	ug/l	95
95) Naphthalene	15.145	128	19728	5.111	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	9635	5.627	ug/l	95

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LOQ-SOIL-02-QT2-2025

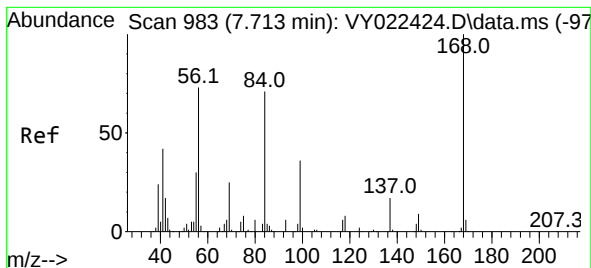
Manual Integrations
APPROVED

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Supervised By :Semsettin Yesilyurt 05/29/2025

Quant Time: May 29 01:53:51 2025
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Quant Title : SW846 8260
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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

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:168 Resp: 21745

Ion Ratio Lower Upper

168 100

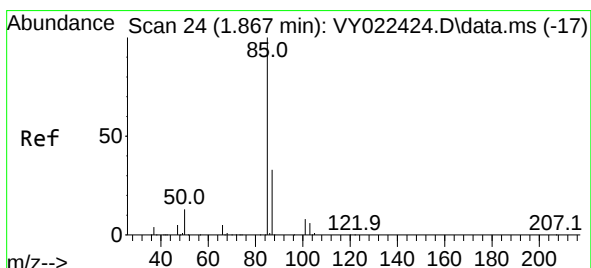
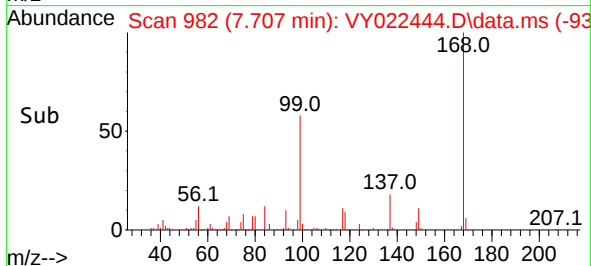
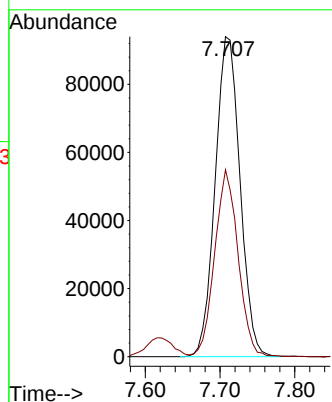
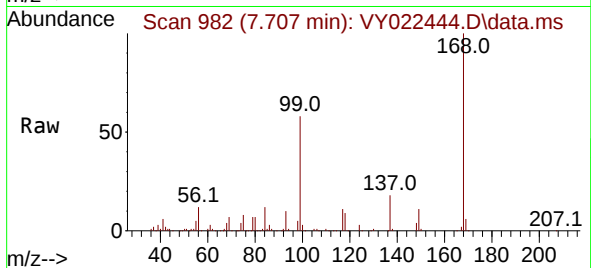
99 58.2 44.7 67.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/29/2025

Supervised By :Semsettin Yesilyurt 05/29/2025



#2

Dichlorodifluoromethane

Concen: 6.367 ug/l

RT: 1.867 min Scan# 24

Delta R.T. 0.000 min

Lab File: VY022444.D

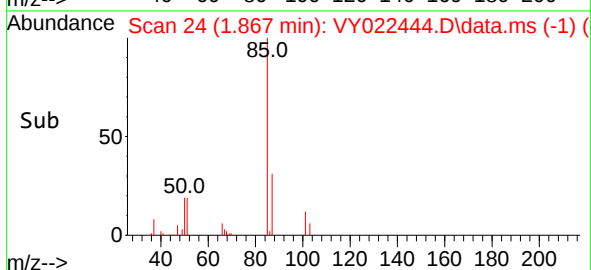
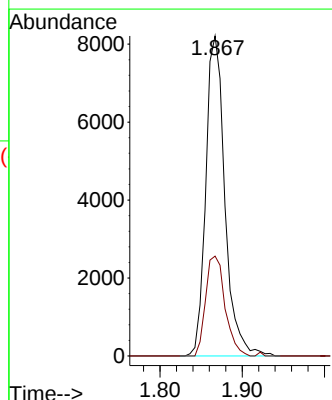
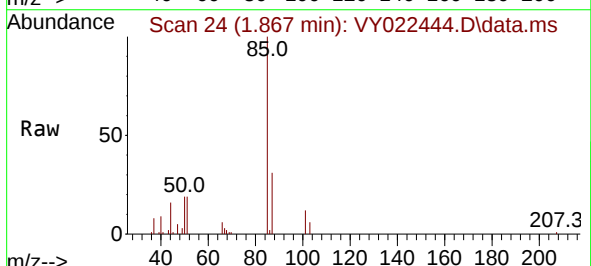
Acq: 28 May 2025 11:40

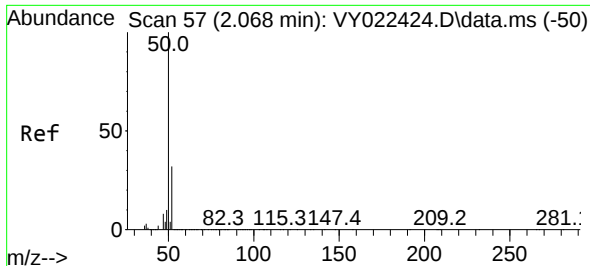
Tgt Ion: 85 Resp: 13209

Ion Ratio Lower Upper

85 100

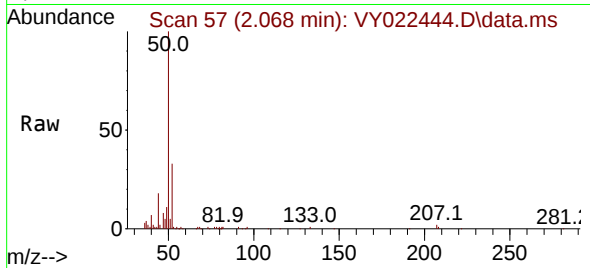
87 31.2 16.4 49.2





#3
Chloromethane
Concen: 6.097 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

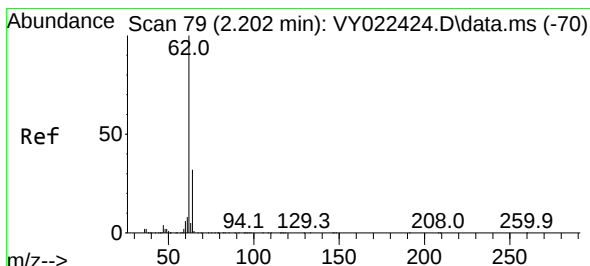
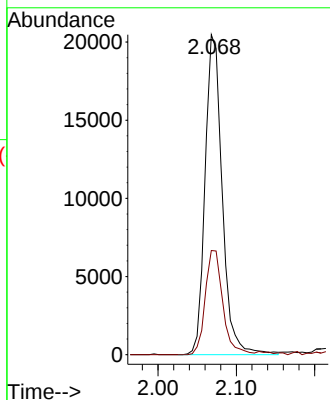
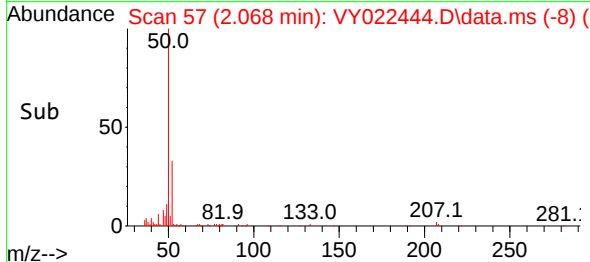
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion: 50 Resp: 3111
Ion Ratio Lower Upper
50 100
52 32.6 25.5 38.3

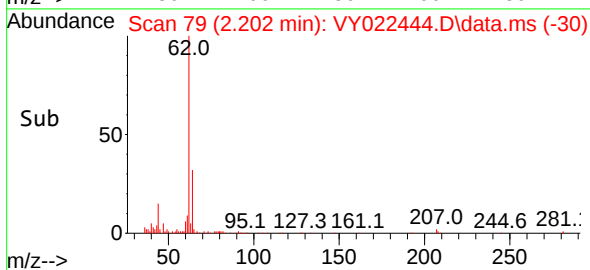
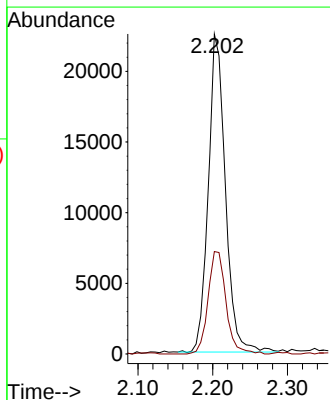
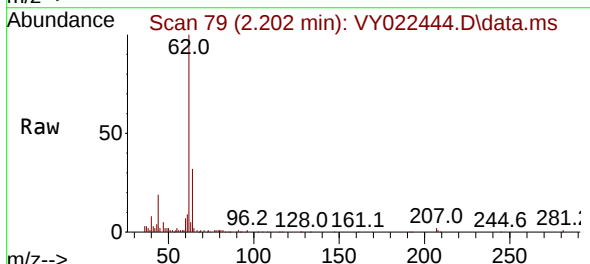
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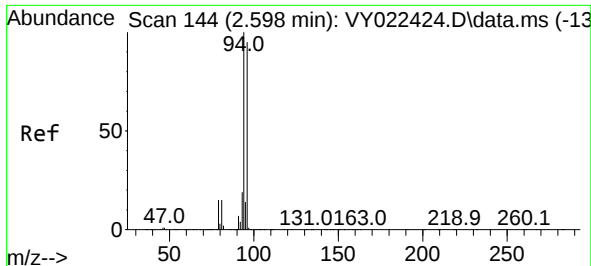
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#4
Vinyl Chloride
Concen: 5.775 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 62 Resp: 35803
Ion Ratio Lower Upper
62 100
64 32.2 26.0 39.0





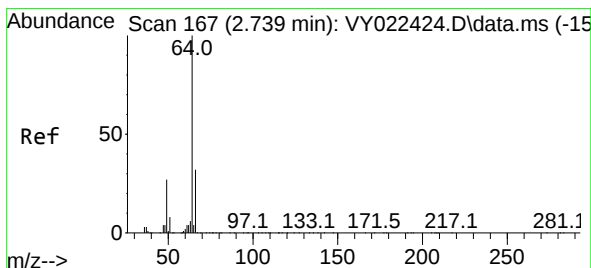
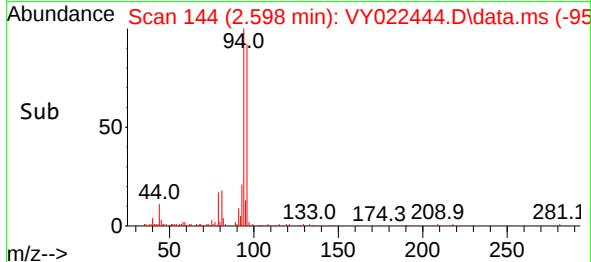
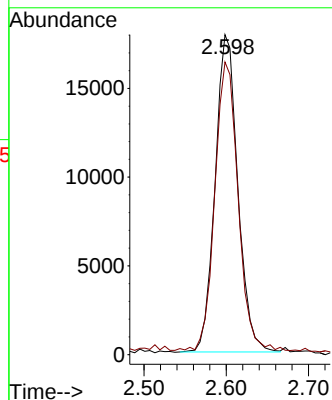
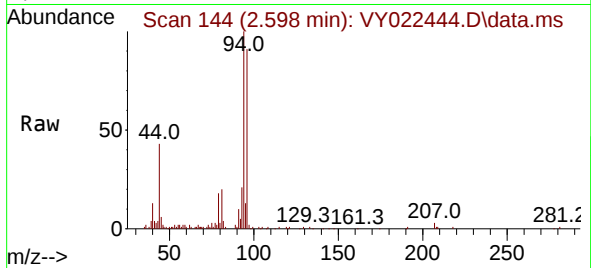
#5
Bromomethane
Concen: 6.088 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY022444.D
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Tgt Ion: 94 Resp: 3429
Ion Ratio Lower Upper
94 100
96 90.3 76.0 114.0

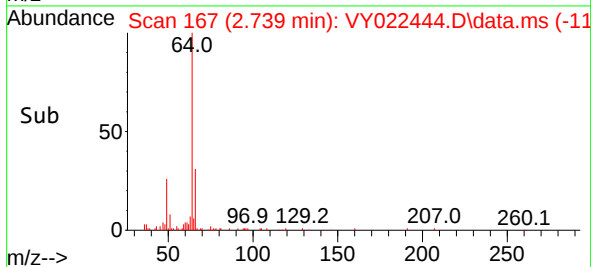
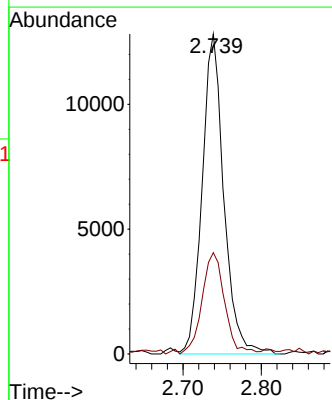
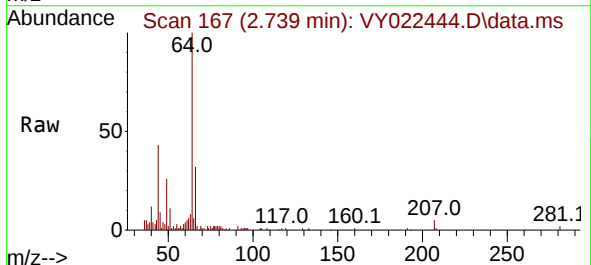
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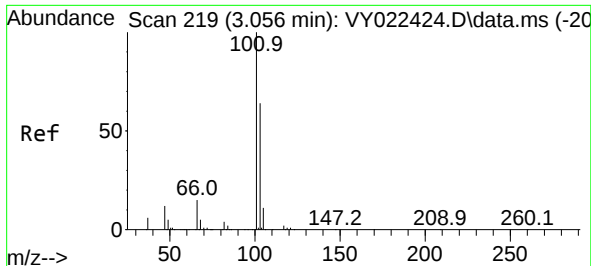
Reviewed By :Mahesh Dadoda 05/29/2025
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#6
Chloroethane
Concen: 6.065 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY022444.D
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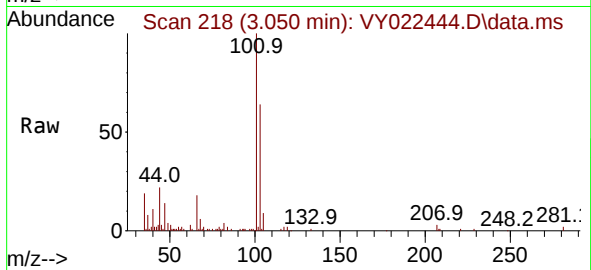
Tgt Ion: 64 Resp: 24572
Ion Ratio Lower Upper
64 100
66 31.7 25.9 38.9





#7
Trichlorofluoromethane
Concen: 5.819 ug/l
RT: 3.050 min Scan# 219
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

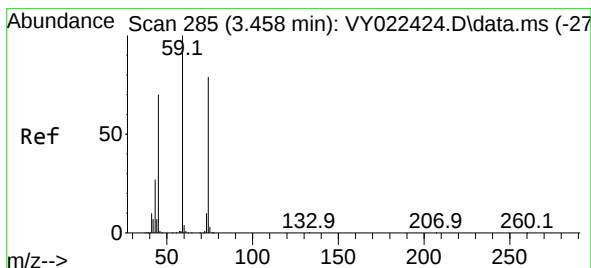
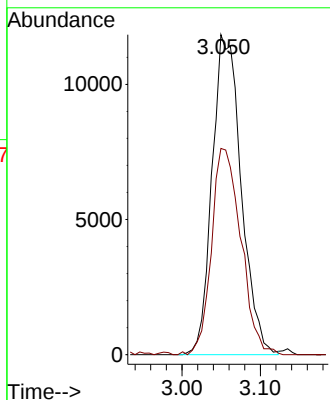
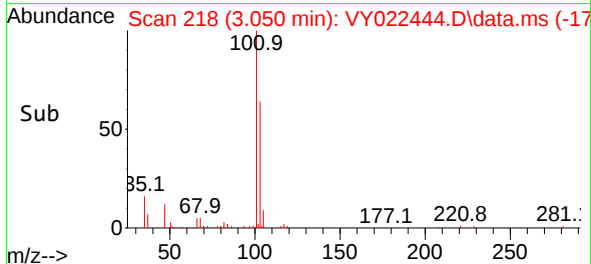
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2025



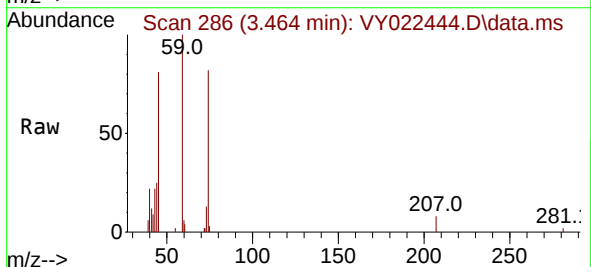
Tgt Ion:101 Resp: 30439
Ion Ratio Lower Upper
101 100
103 64.4 50.9 76.3

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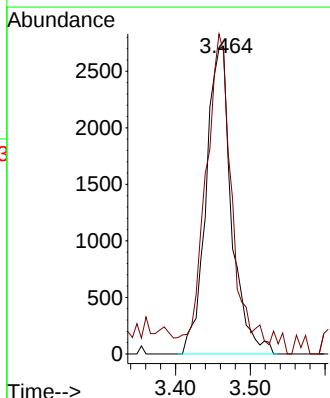
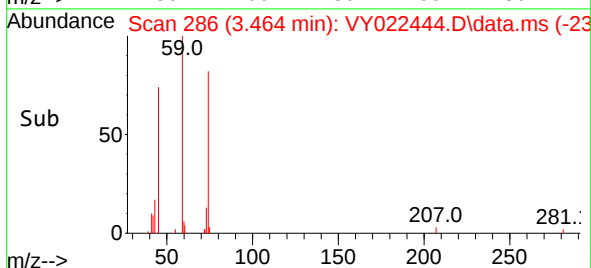
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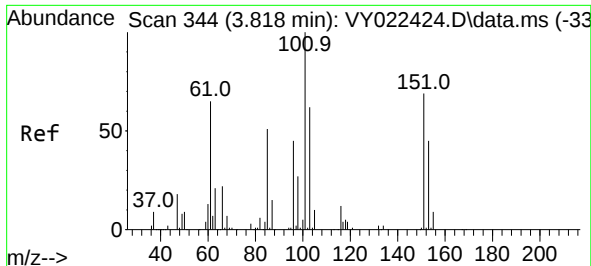


#8
Diethyl Ether
Concen: 5.350 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40



Tgt Ion: 74 Resp: 6452
Ion Ratio Lower Upper
74 100
45 98.7 44.9 134.5





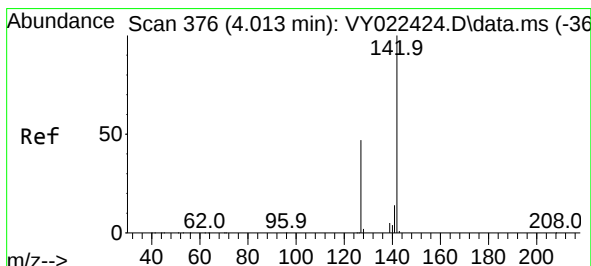
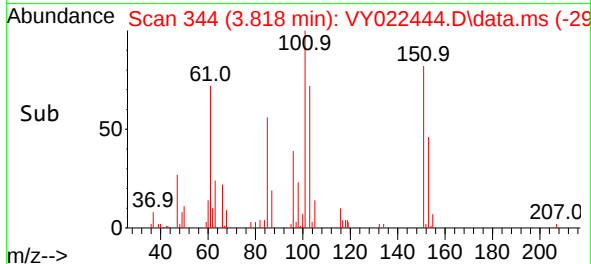
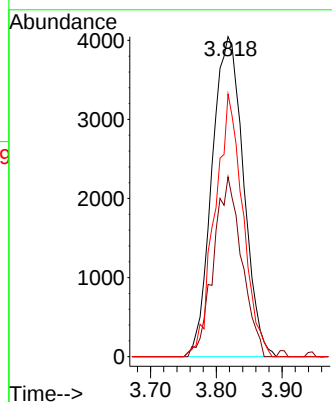
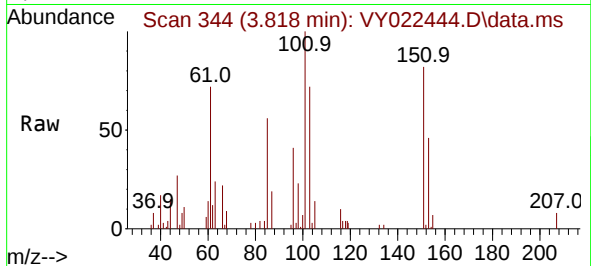
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.877 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Tgt Ion:101 Resp: 1348
Ion Ratio Lower Upper
101 100
85 50.4 39.2 58.8
151 72.7 58.8 88.2

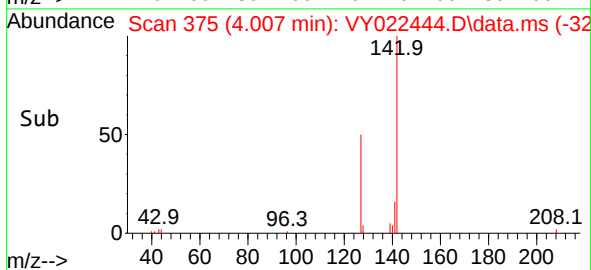
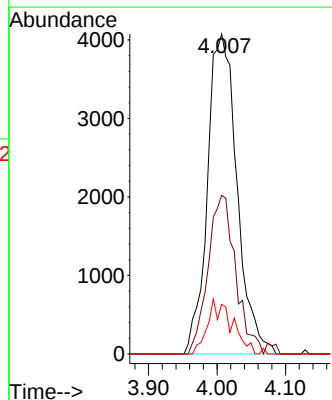
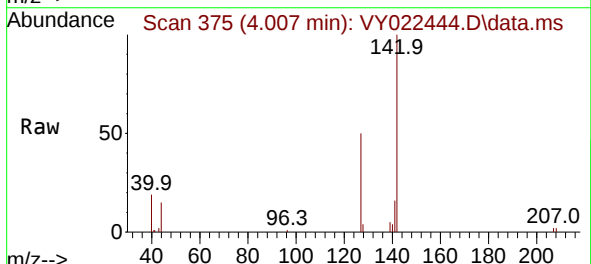
Manual Integrations
APPROVED

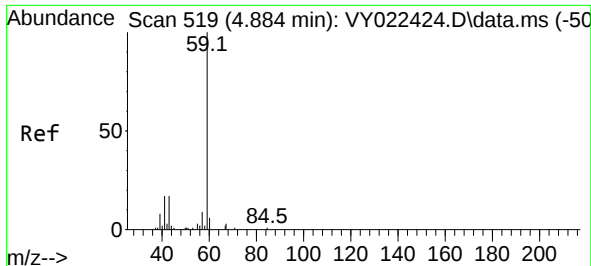
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#10
Methyl Iodide
Concen: 4.714 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

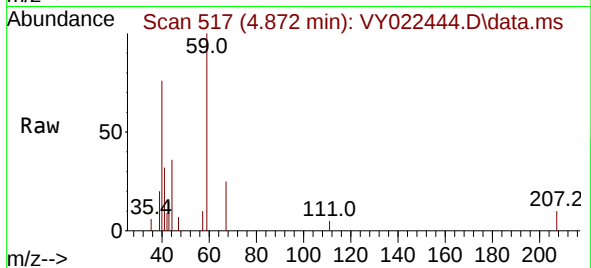
Tgt Ion:142 Resp: 12205
Ion Ratio Lower Upper
142 100
127 46.4 36.2 54.4
141 14.2 11.6 17.4





#11
Tert butyl alcohol
Concen: 26.634 ug/l m
RT: 4.872 min Scan# 517
Delta R.T. -0.012 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

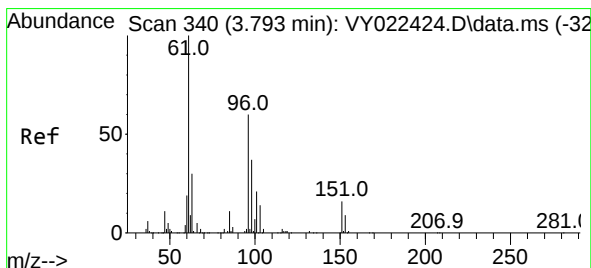
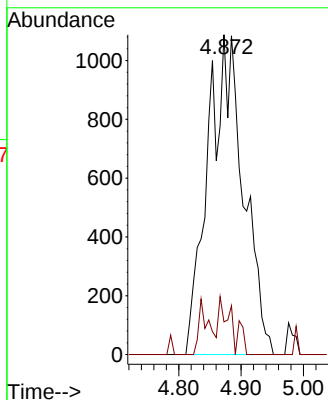
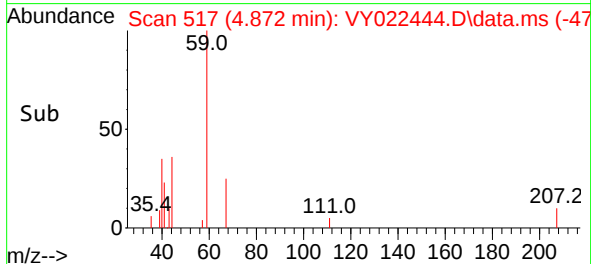
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion: 59 Resp: 4300
Ion Ratio Lower Upper
59 100
57 5.0 9.1 13.7

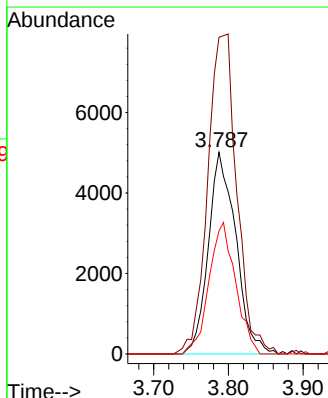
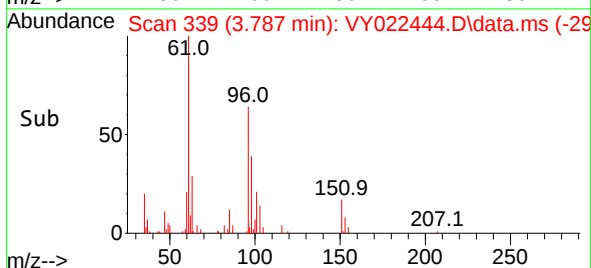
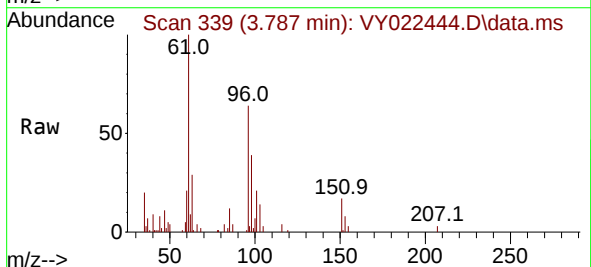
Manual Integrations
APPROVED

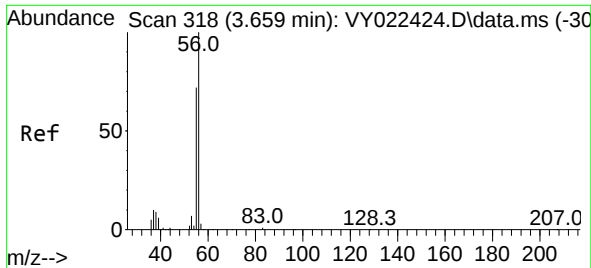
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#12
1,1-Dichloroethene
Concen: 5.626 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

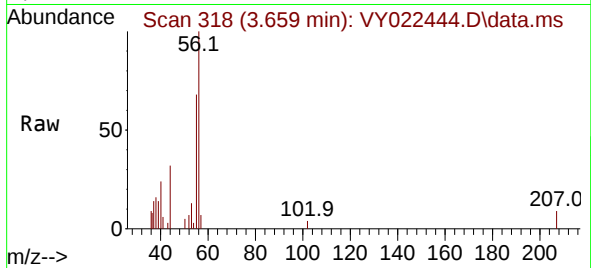
Tgt Ion: 96 Resp: 12818
Ion Ratio Lower Upper
96 100
61 157.0 134.1 201.1
98 61.0 50.2 75.2





#13
Acrolein
Concen: 24.452 ug/l
RT: 3.659 min Scan# 318
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

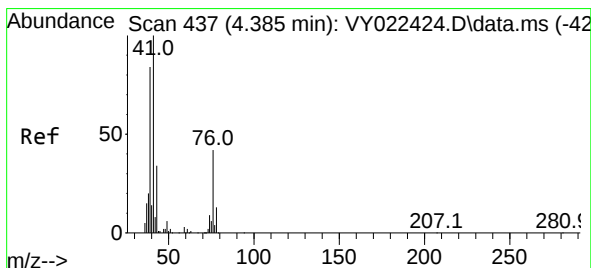
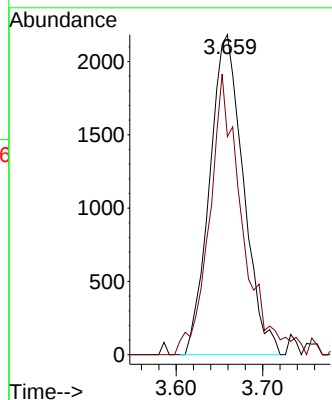
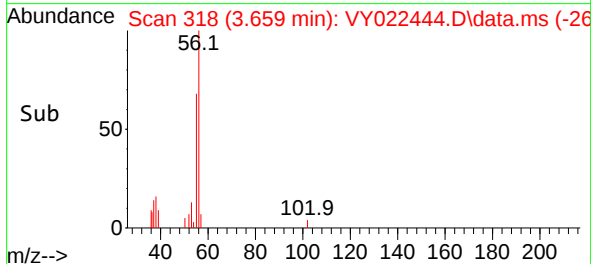
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025



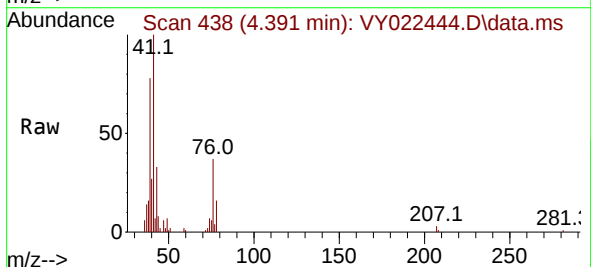
Tgt Ion: 56 Resp: 5915
Ion Ratio Lower Upper
56 100
55 85.2 56.5 84.7

Manual Integrations
APPROVED

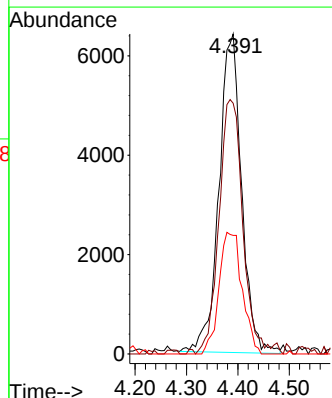
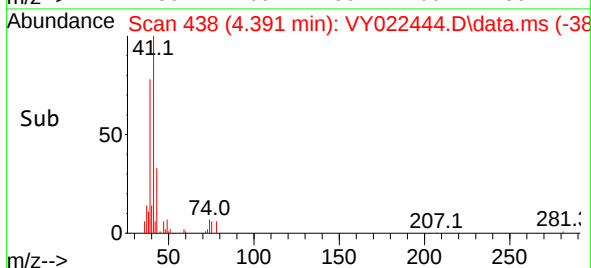
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025

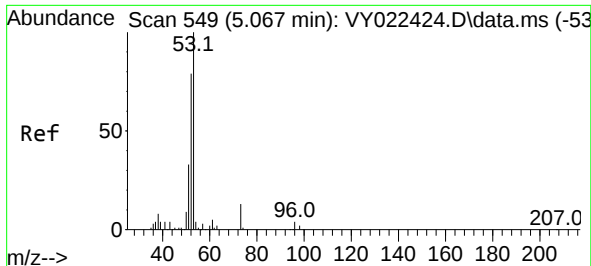


#14
Allyl chloride
Concen: 5.723 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40



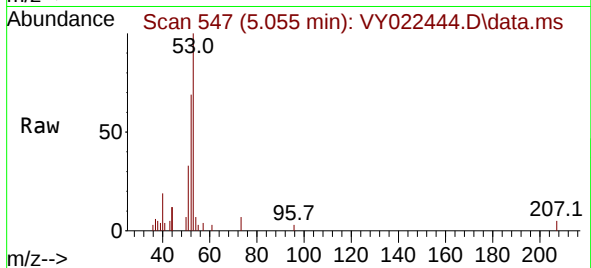
Tgt Ion: 41 Resp: 19615
Ion Ratio Lower Upper
41 100
39 83.5 66.6 100.0
76 39.1 33.7 50.5





#15
Acrylonitrile
Concen: 26.186 ug/l m
RT: 5.055 min Scan# 54
Delta R.T. -0.012 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

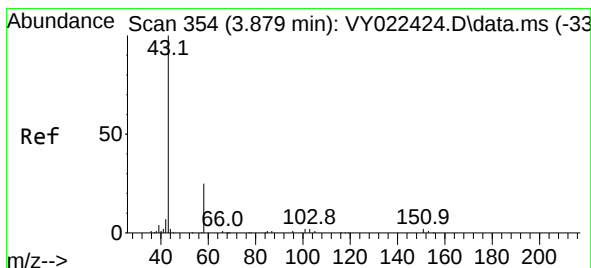
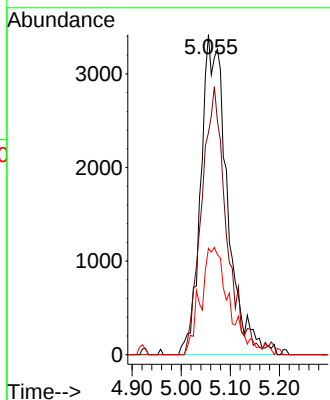
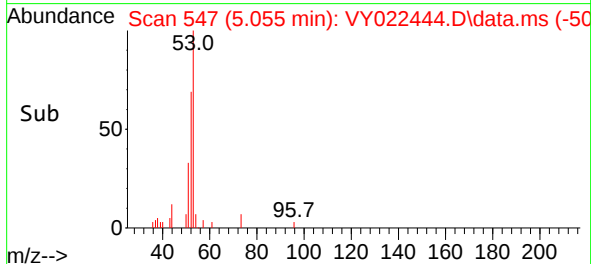
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion: 53 Resp: 12730
Ion Ratio Lower Upper
53 100
52 76.3 65.1 97.7
51 36.5 30.0 45.0

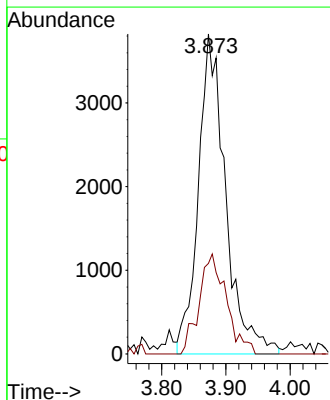
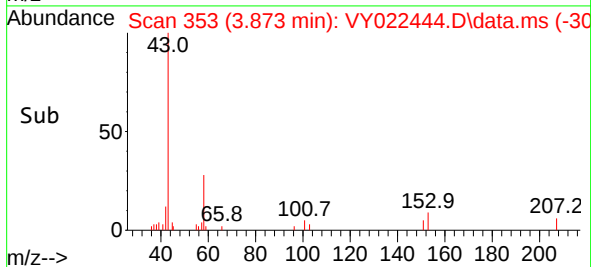
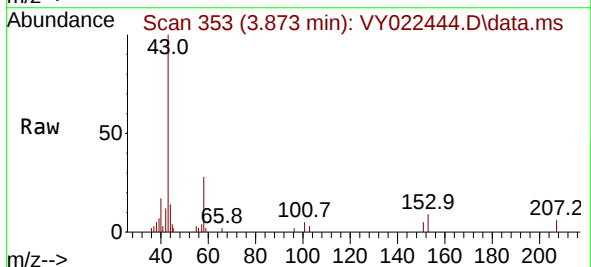
Manual Integrations
APPROVED

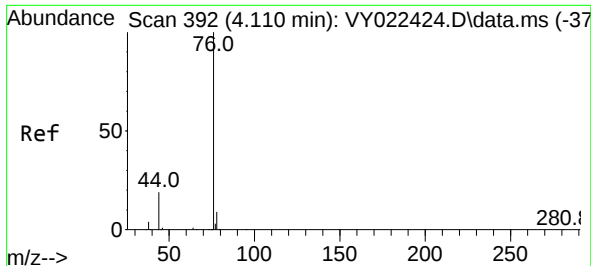
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#16
Acetone
Concen: 29.946 ug/l m
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

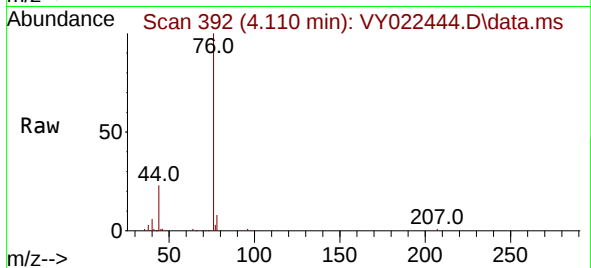
Tgt Ion: 43 Resp: 11271
Ion Ratio Lower Upper
43 100
58 28.3 20.6 30.8





#17
Carbon Disulfide
Concen: 5.745 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

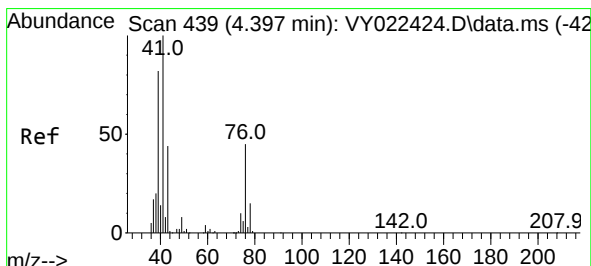
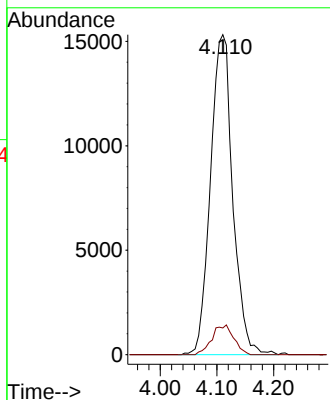
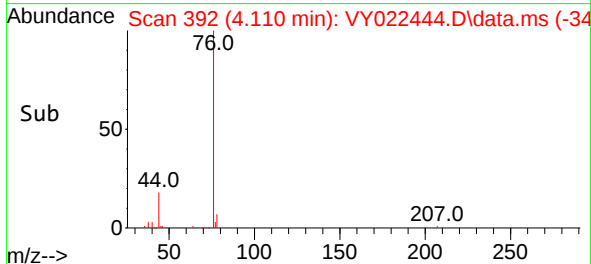
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2025



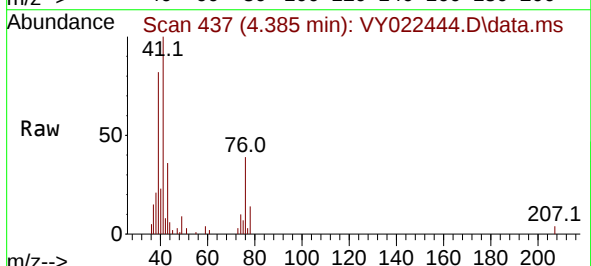
Tgt Ion: 76 Resp: 4176
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8

Manual Integrations
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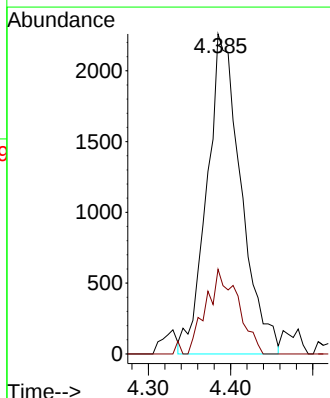
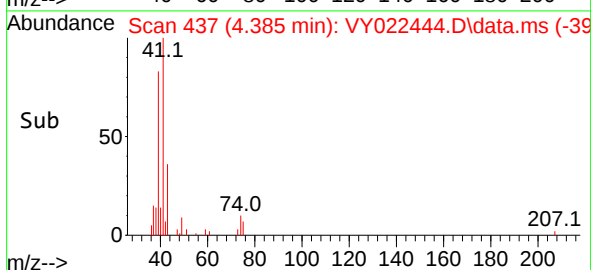
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025

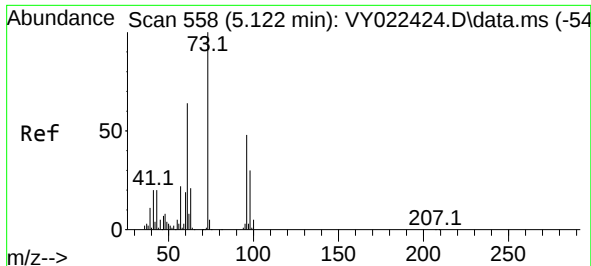


#18
Methyl Acetate
Concen: 4.607 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40



Tgt Ion: 43 Resp: 6496
Ion Ratio Lower Upper
43 100
74 24.9 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 5.336 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion: 73 Resp: 3227

Ion Ratio Lower Upper

73 100

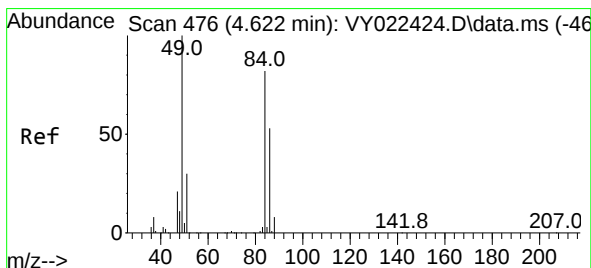
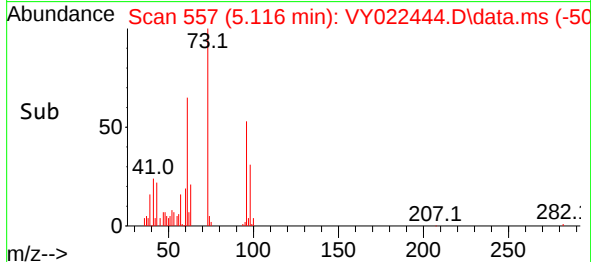
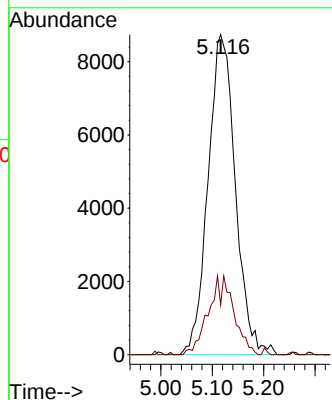
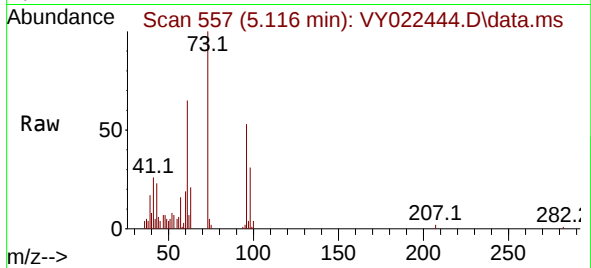
57 15.6 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025

Supervised By :Semsettin Yesilyurt 05/29/2025



#20

Methylene Chloride

Concen: 7.328 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Tgt Ion: 84 Resp: 19475

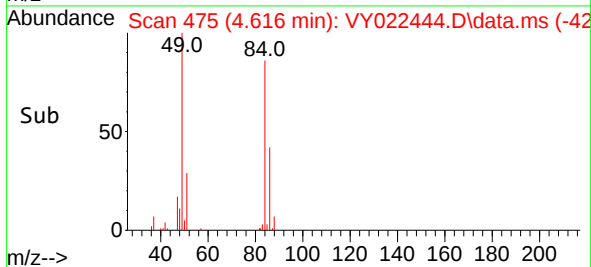
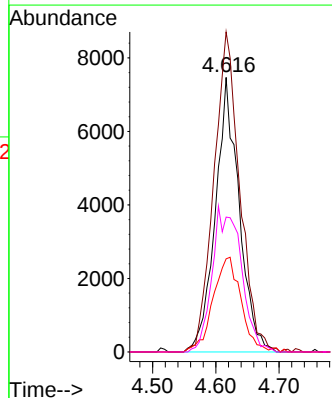
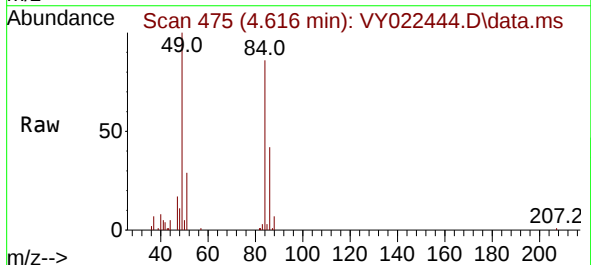
Ion Ratio Lower Upper

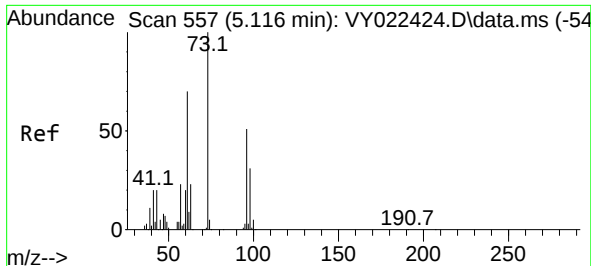
84 100

49 116.5 97.8 146.8

51 33.9 29.5 44.3

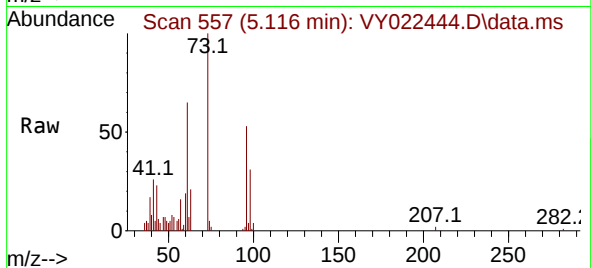
86 49.1 51.8 77.6





#21
trans-1,2-Dichloroethene
Concen: 5.754 ug/l
RT: 5.116 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

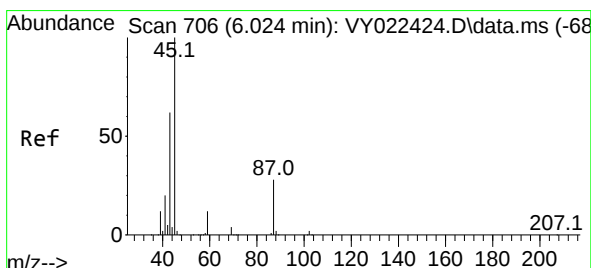
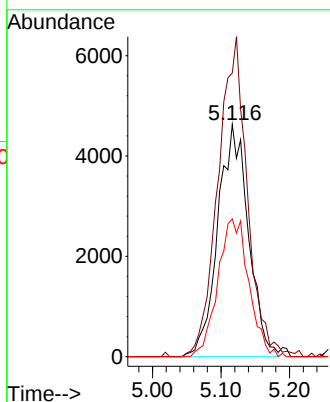
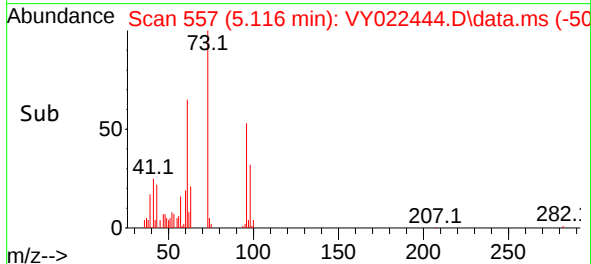
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025



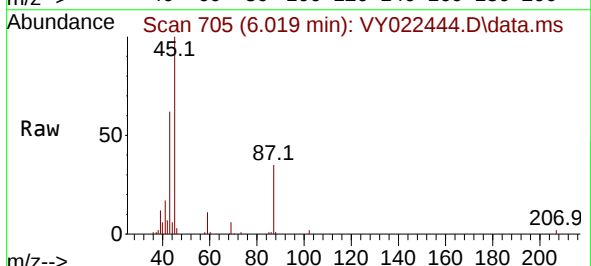
Tgt Ion: 96 Resp: 1431
Ion Ratio Lower Upper
96 100
61 122.2 110.4 165.6
98 59.3 48.6 73.0

Manual Integrations
APPROVED

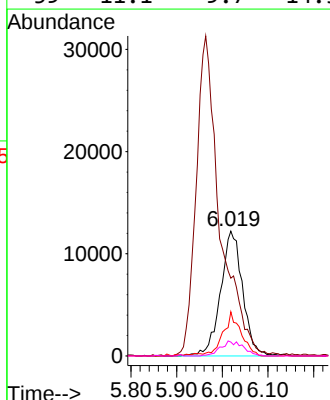
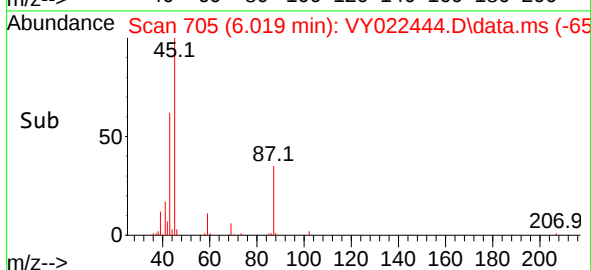
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025

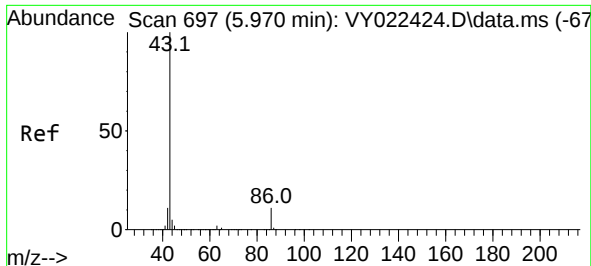


#22
Diisopropyl ether
Concen: 5.409 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40



Tgt Ion: 45 Resp: 40914
Ion Ratio Lower Upper
45 100
43 60.5 49.8 74.8
87 35.4 23.0 34.6#
59 11.1 9.7 14.5





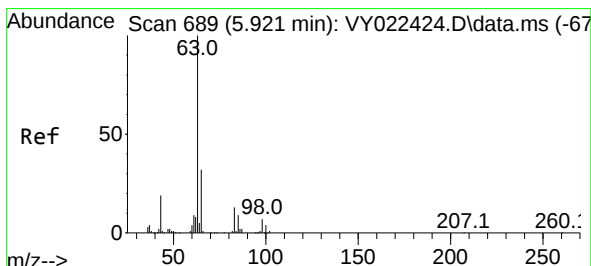
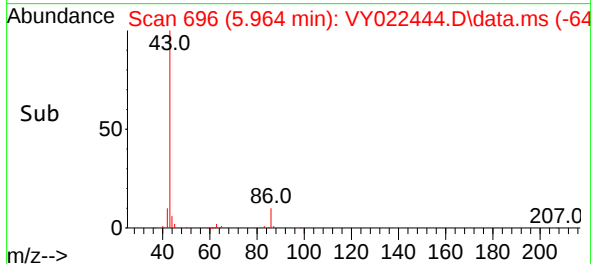
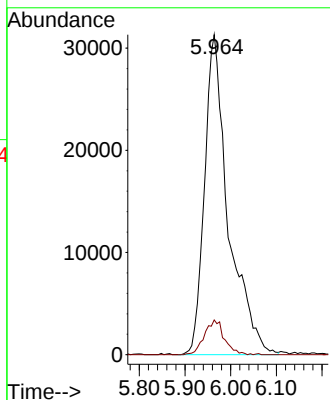
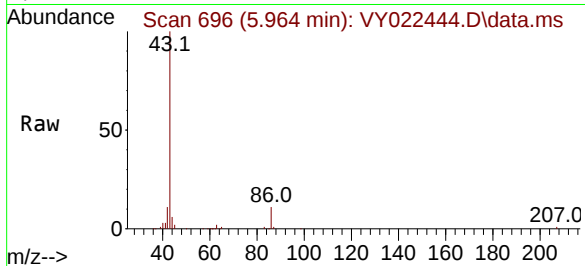
#23
 Vinyl Acetate
 Concen: 26.120 ug/l
 RT: 5.964 min Scan# 697
 Delta R.T. -0.006 min
 Lab File: VY022444.D
 Acq: 28 May 2025 11:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Tgt Ion: 43 Resp: 11343
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.8 13.2

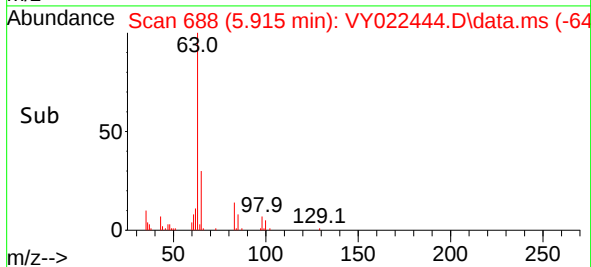
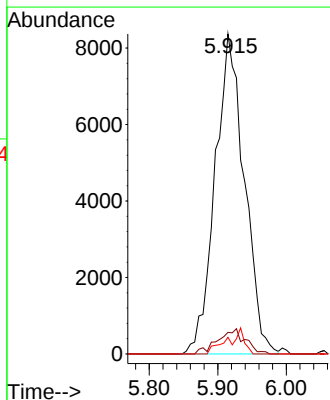
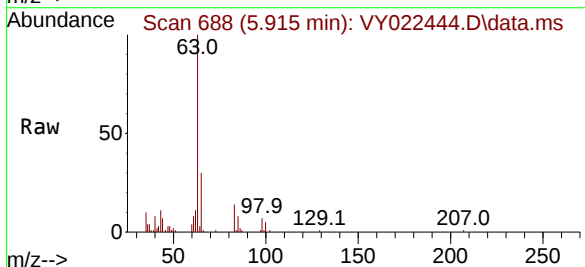
Manual Integrations
 APPROVED

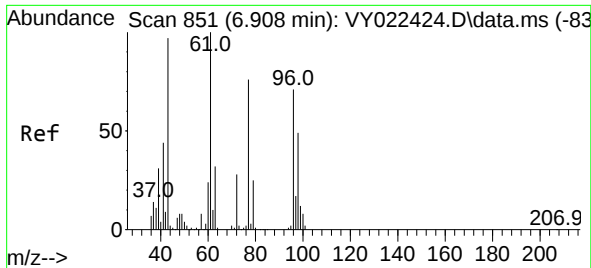
Reviewed By :Mahesh Dadoda 05/29/2025
 Supervised By :Semsettin Yesilyurt 05/29/2025



#24
 1,1-Dichloroethane
 Concen: 5.557 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.006 min
 Lab File: VY022444.D
 Acq: 28 May 2025 11:40

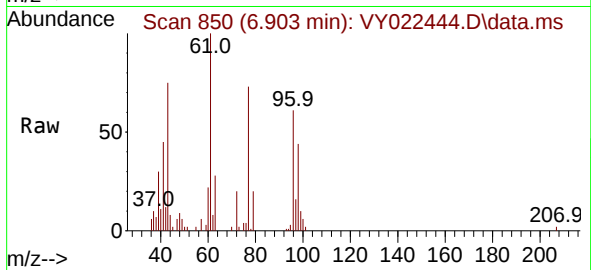
Tgt Ion: 63 Resp: 24838
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.5
 100 5.2 2.1 6.5





#25
2-Butanone
Concen: 25.451 ug/l
RT: 6.903 min Scan# 851
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

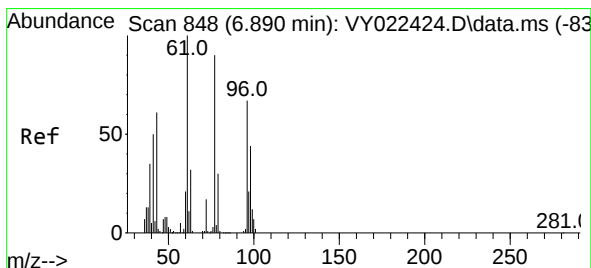
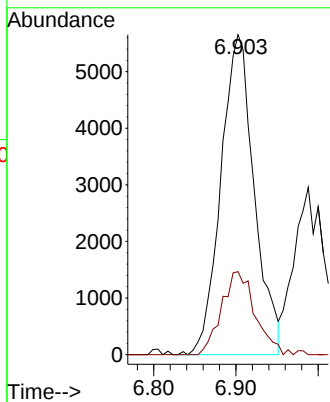
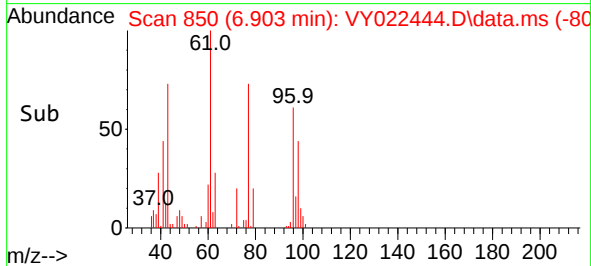
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025



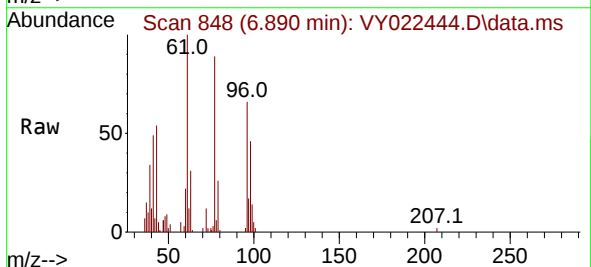
Tgt Ion: 43 Resp: 1595
Ion Ratio Lower Upper
43 100
72 26.0 22.8 34.2

Manual Integrations
APPROVED

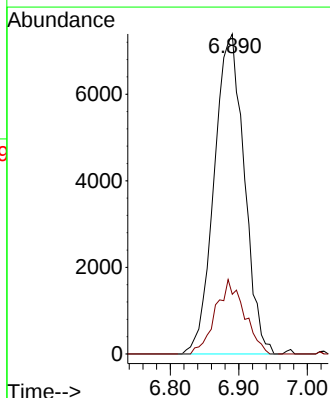
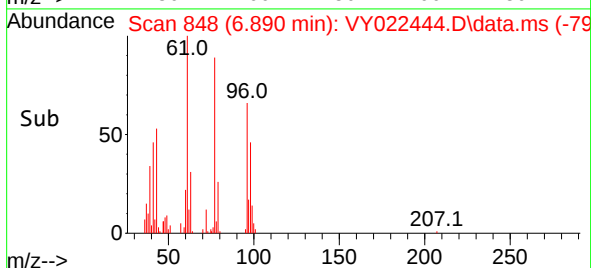
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025

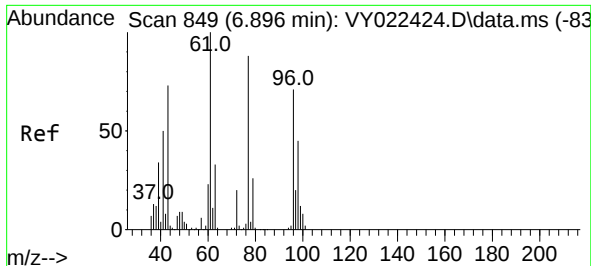


#26
2,2-Dichloropropane
Concen: 5.557 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40



Tgt Ion: 77 Resp: 22491
Ion Ratio Lower Upper
77 100
97 22.3 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 5.515 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

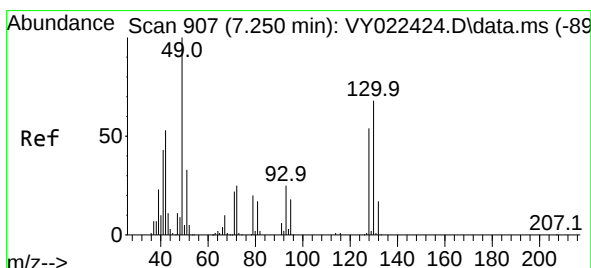
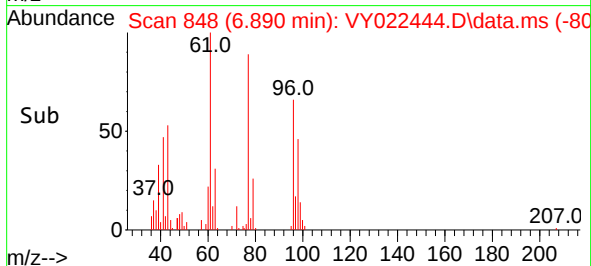
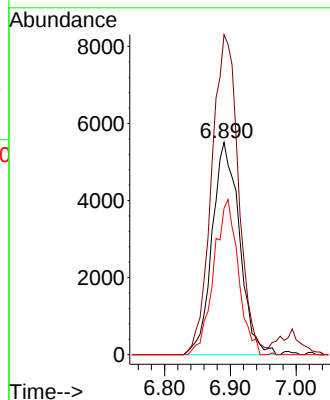
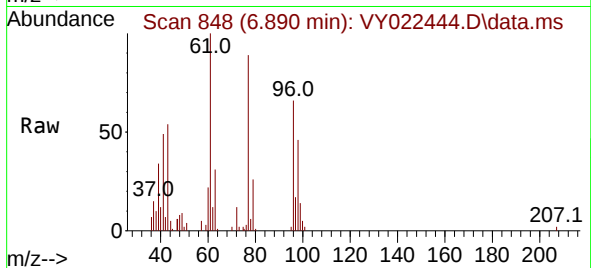
LOQ-SOIL-02-QT2-2025

Tgt Ion:	96	Resp:	15880
Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	292.0
98	65.9	0.0	131.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#28

Bromochloromethane

Concen: 5.270 ug/l

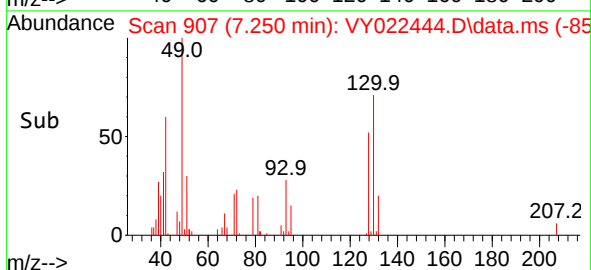
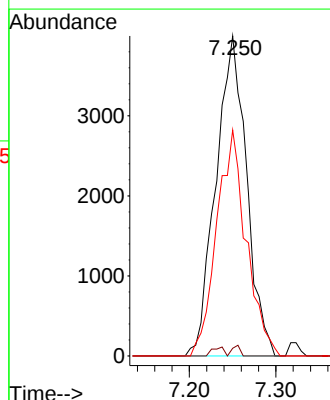
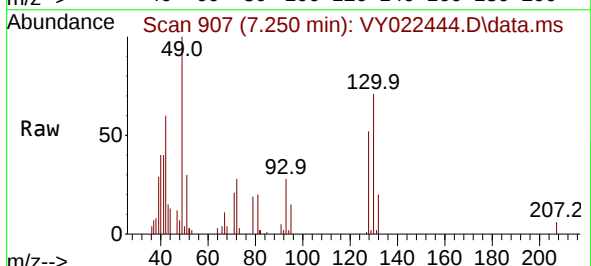
RT: 7.250 min Scan# 907

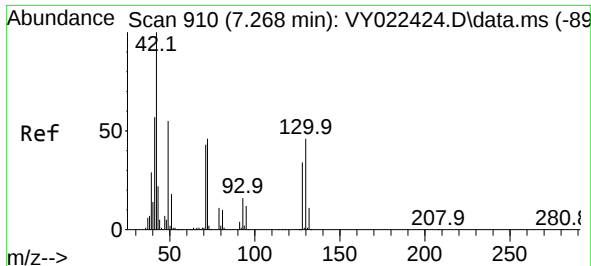
Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Tgt Ion:	49	Resp:	9836
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.0
130	68.0	56.9	85.3





#29

Tetrahydrofuran

Concen: 25.500 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

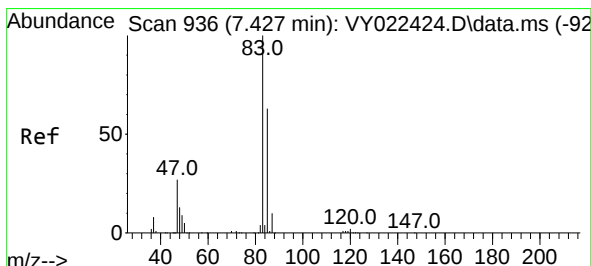
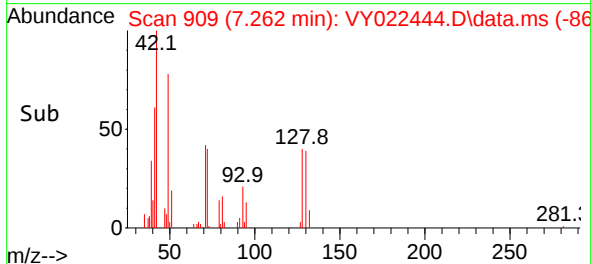
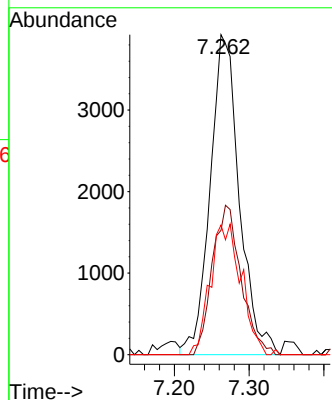
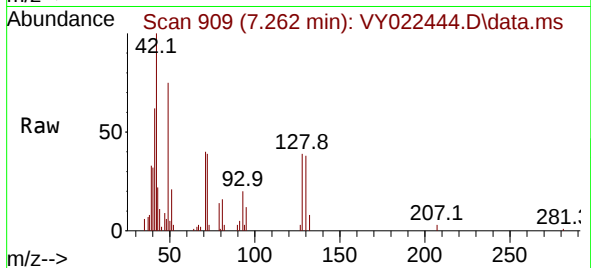
LOQ-SOIL-02-QT2-2025

Tgt Ion:	42	Resp:	10660
Ion	Ratio	Lower	Upper
42	100		
72	45.9	37.7	56.5
71	43.3	34.7	52.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#30

Chloroform

Concen: 5.648 ug/l

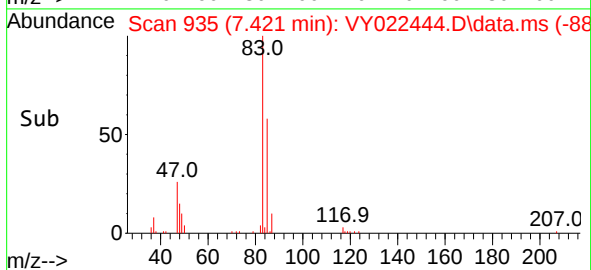
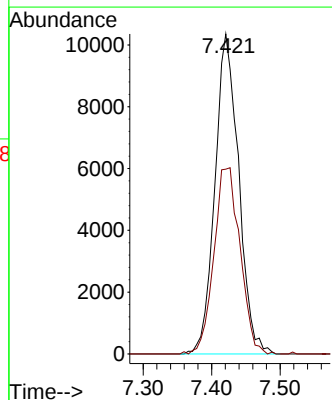
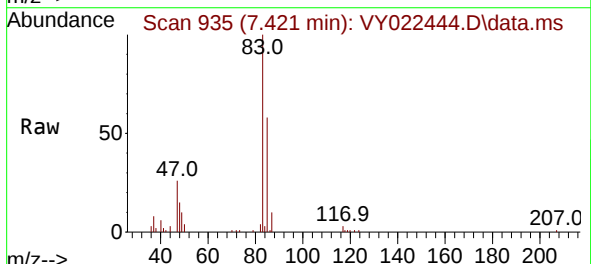
RT: 7.421 min Scan# 935

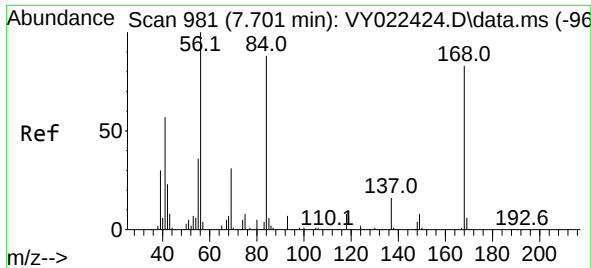
Delta R.T. -0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

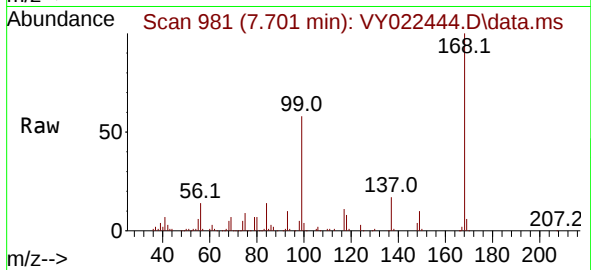
Tgt Ion:	83	Resp:	24872
Ion	Ratio	Lower	Upper
83	100		
85	57.8	50.1	75.1





#31
Cyclohexane
Concen: 6.540 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

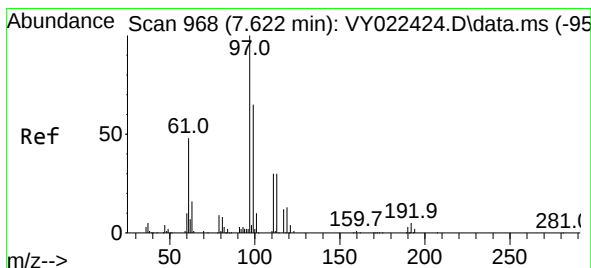
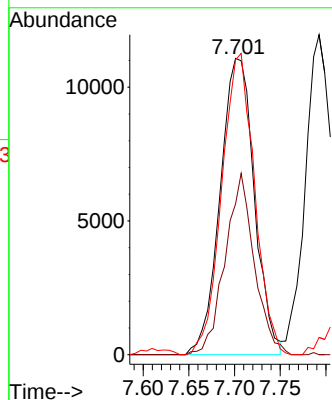
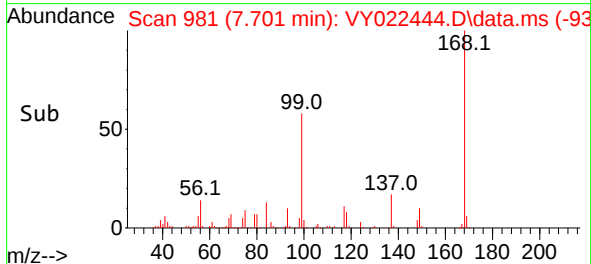
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025



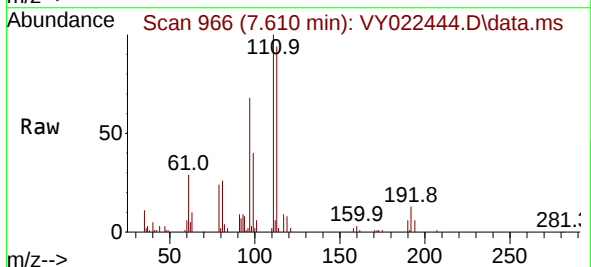
Tgt Ion: 56 Resp: 2881
Ion Ratio Lower Upper
56 100
69 50.9 24.6 36.8
84 99.5 70.4 105.6

Manual Integrations
APPROVED

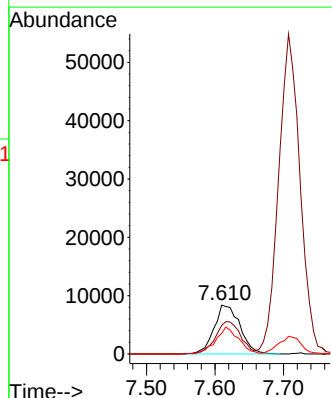
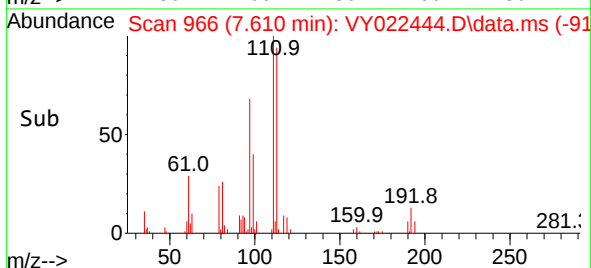
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025

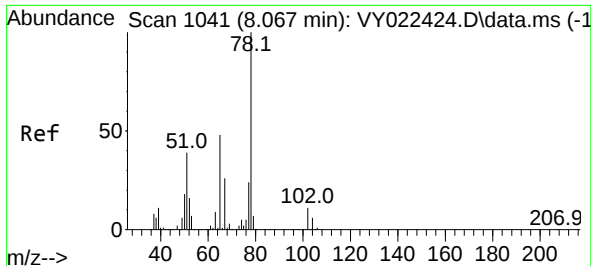


#32
1,1,1-Trichloroethane
Concen: 5.484 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.012 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40



Tgt Ion: 97 Resp: 21920
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 48.7 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 50.148 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion: 65 Resp: 114860

Ion Ratio Lower Upper

65 100

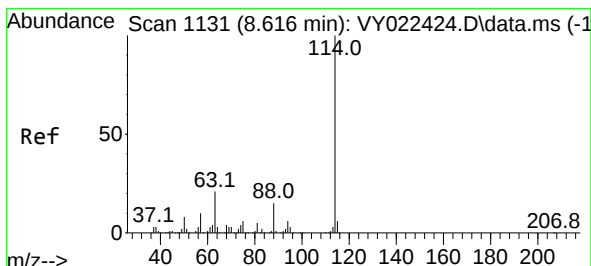
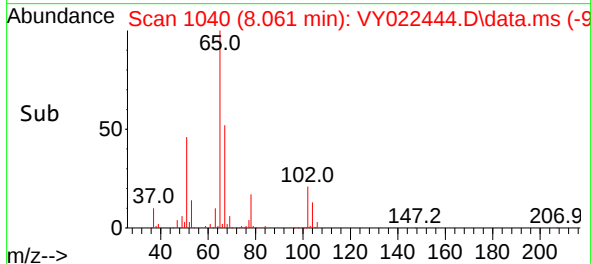
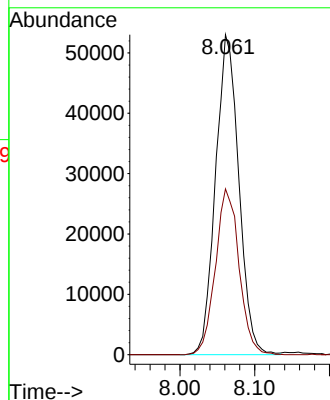
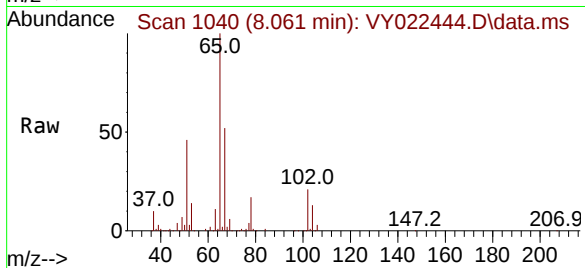
67 52.6 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025

Supervised By :Semsettin Yesilyurt 05/29/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

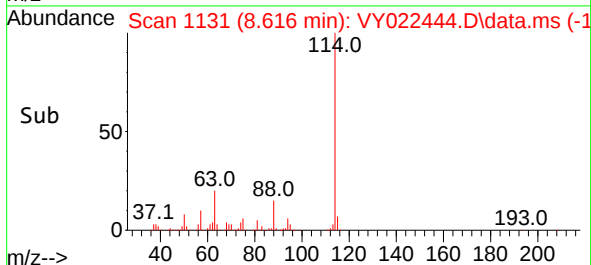
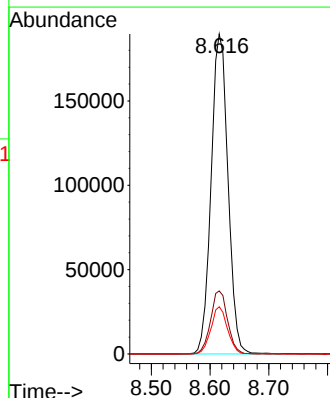
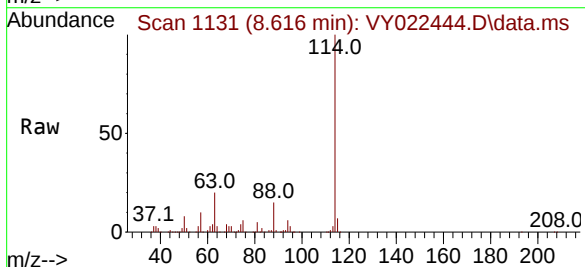
Tgt Ion:114 Resp: 377951

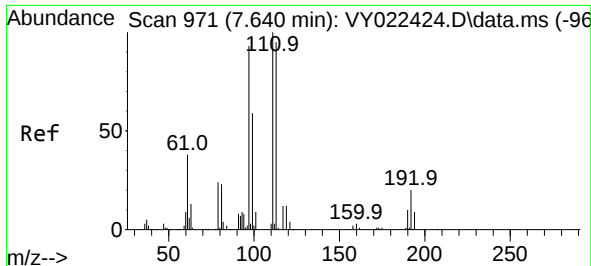
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 14.7 0.0 29.4





#35

Dibromofluoromethane

Concen: 49.148 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:113 Resp: 10878

Ion Ratio Lower Upper

113 100

111 104.9 82.4 123.6

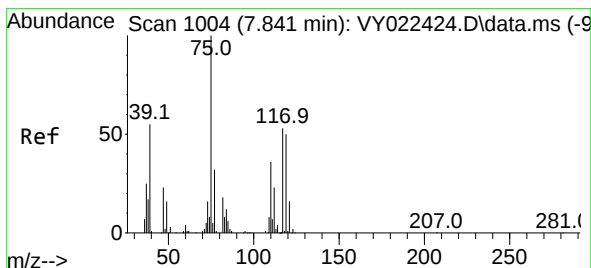
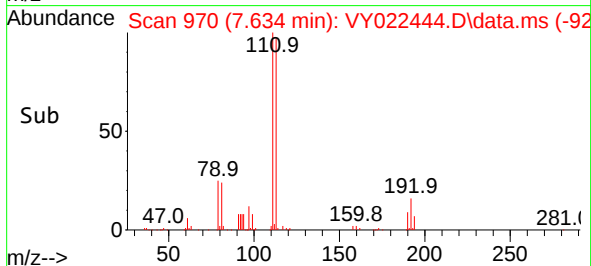
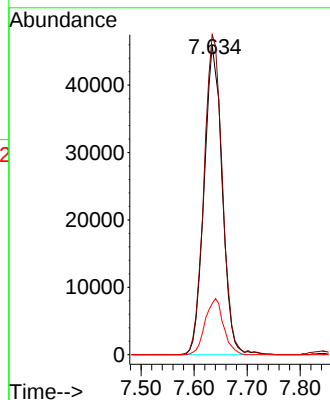
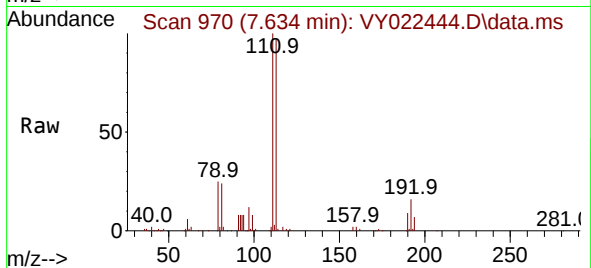
192 18.4 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025

Supervised By :Semsettin Yesilyurt 05/29/2025



#36

1,1-Dichloropropene

Concen: 5.506 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

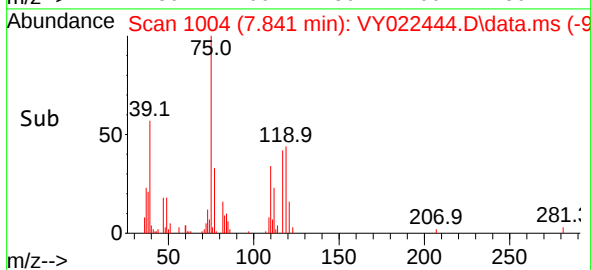
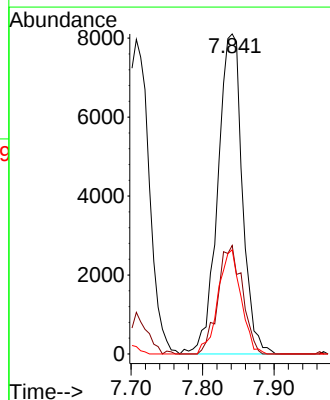
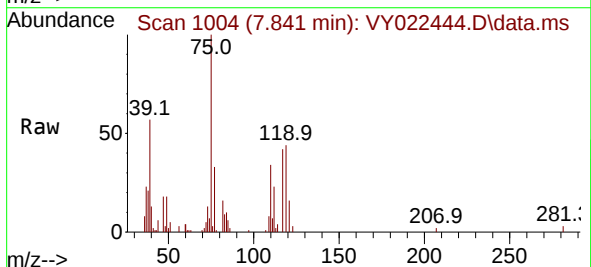
Tgt Ion: 75 Resp: 19339

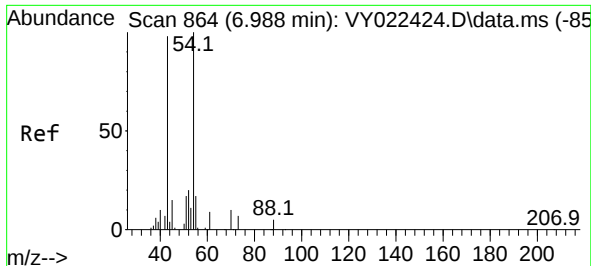
Ion Ratio Lower Upper

75 100

110 33.7 17.1 51.2

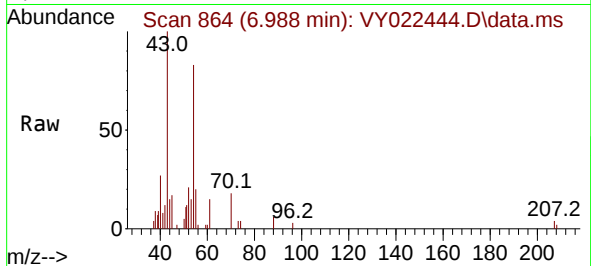
77 30.4 25.1 37.7





#37
Ethyl Acetate
Concen: 5.352 ug/l
RT: 6.988 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

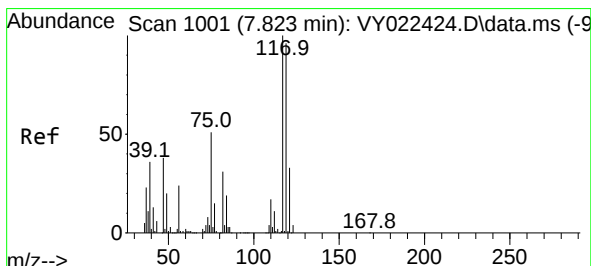
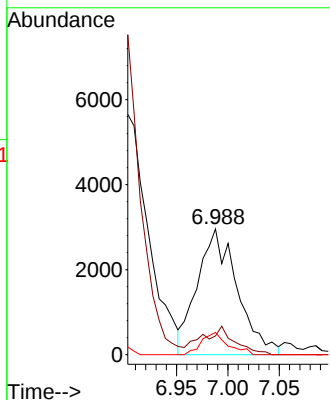
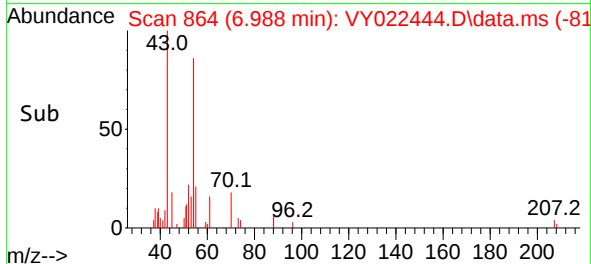
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion: 43 Resp: 7989
Ion Ratio Lower Upper
43 100
61 18.2 11.7 17.5
70 11.6 7.8 11.6

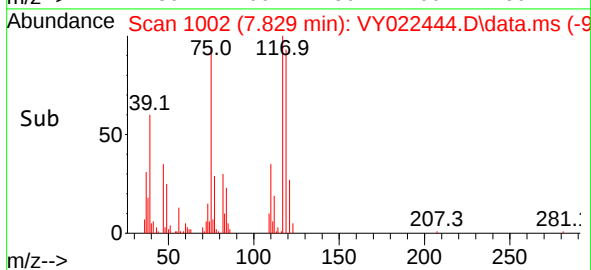
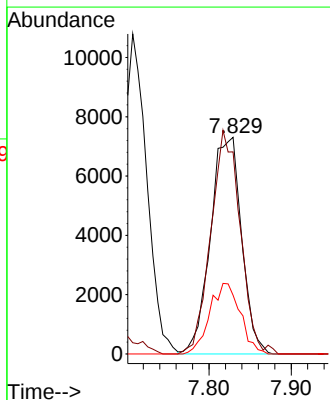
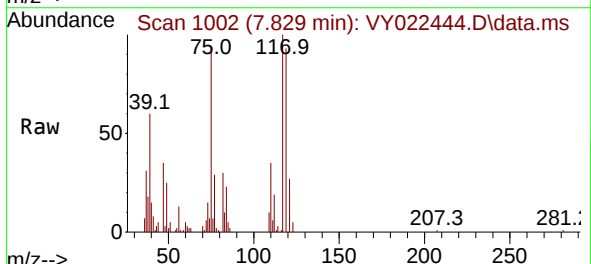
Manual Integrations
APPROVED

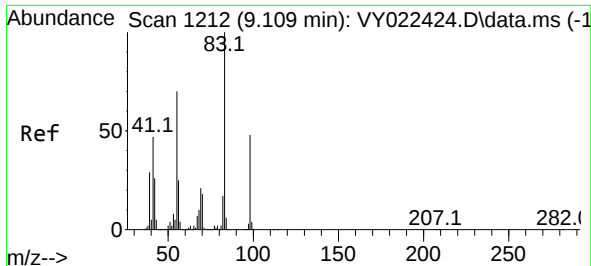
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#38
Carbon Tetrachloride
Concen: 5.265 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion:117 Resp: 19265
Ion Ratio Lower Upper
117 100
119 93.3 76.3 114.5
121 27.1 26.1 39.1





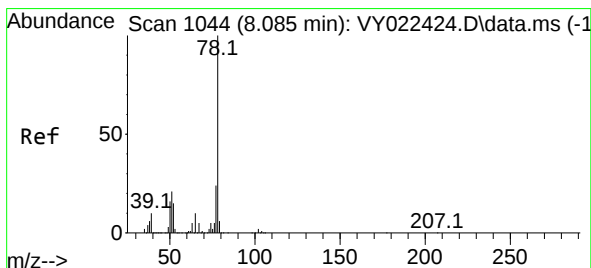
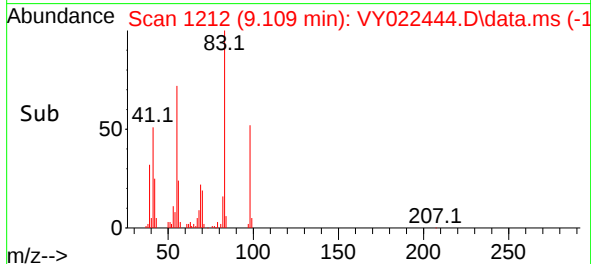
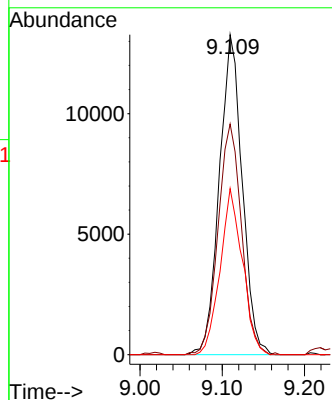
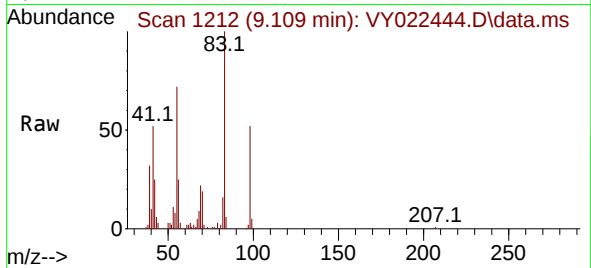
#39
Methylcyclohexane
Concen: 5.493 ug/l
RT: 9.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Tgt Ion: 83 Resp: 25640
Ion Ratio Lower Upper
83 100
55 72.1 56.2 84.2
98 51.9 38.4 57.6

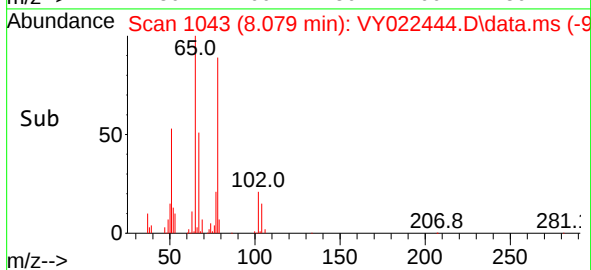
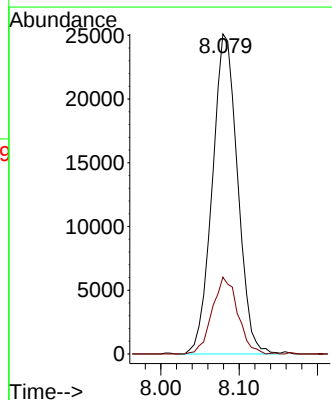
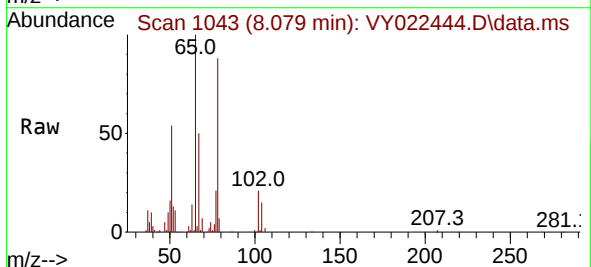
Manual Integrations
APPROVED

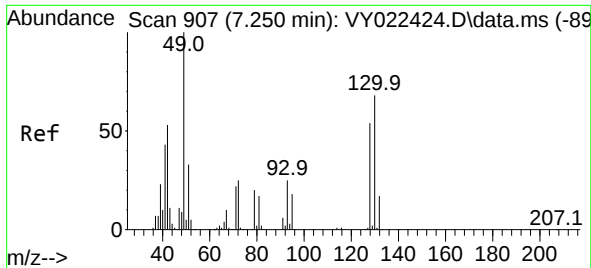
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#40
Benzene
Concen: 5.389 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

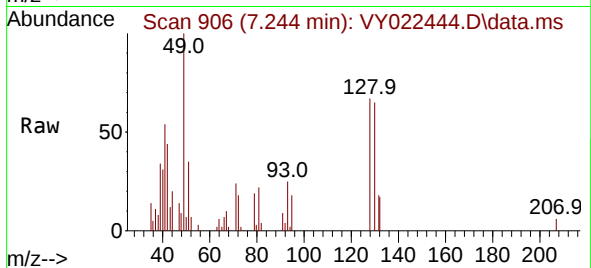
Tgt Ion: 78 Resp: 56318
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.2





#41
Methacrylonitrile
Concen: 6.090 ug/l m
RT: 7.244 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

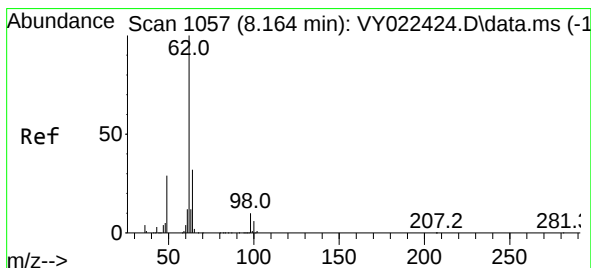
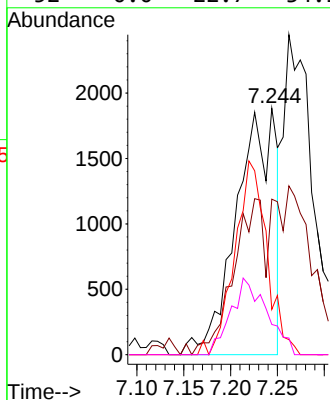
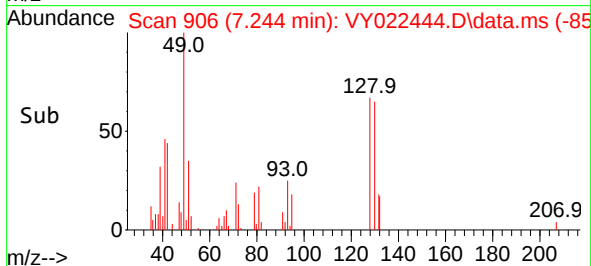
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion: 41 Resp: 551
Ion Ratio Lower Upper
41 100
39 10.2 40.4 60.6
67 0.0 53.0 79.4
52 0.0 22.7 34.1

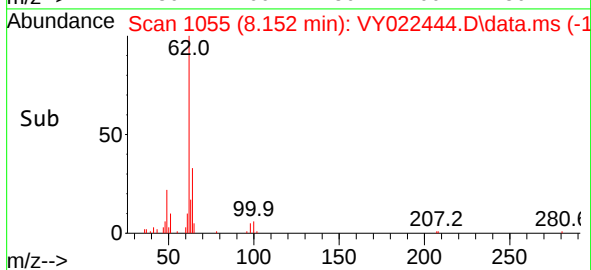
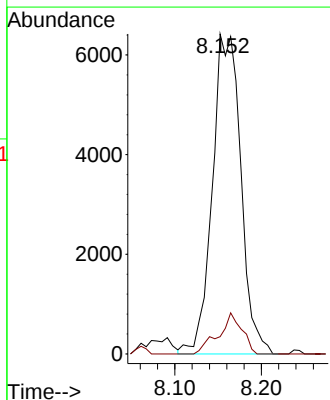
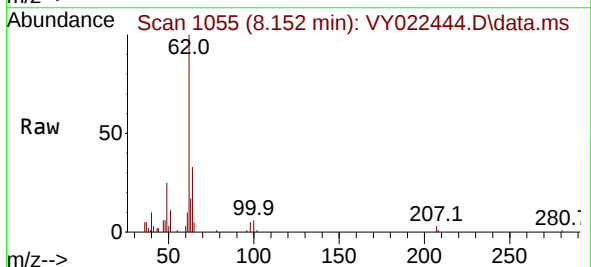
Manual Integrations
APPROVED

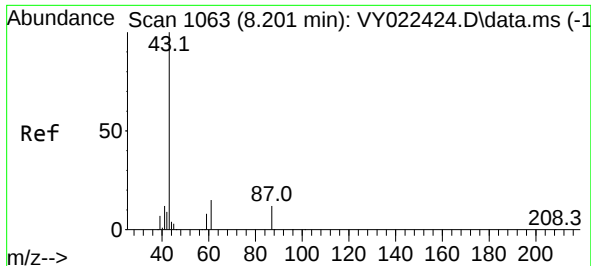
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#42
1,2-Dichloroethane
Concen: 5.306 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

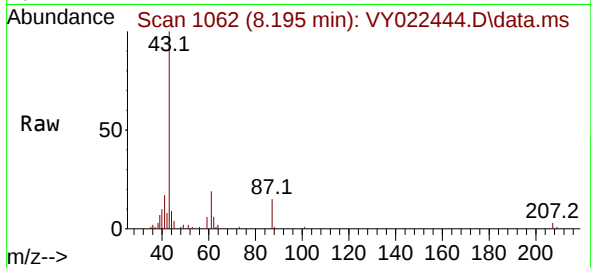
Tgt Ion: 62 Resp: 14647
Ion Ratio Lower Upper
62 100
98 10.6 0.0 18.4





#43
Isopropyl Acetate
Concen: 5.065 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

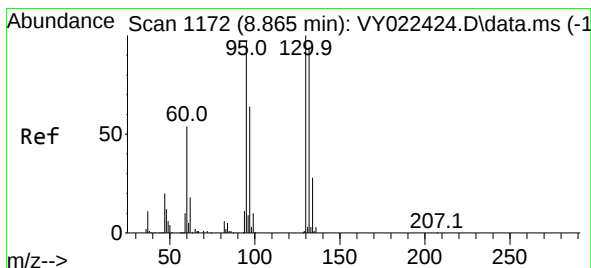
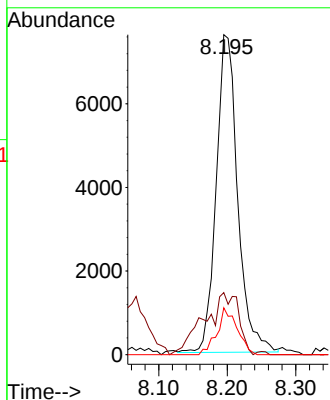
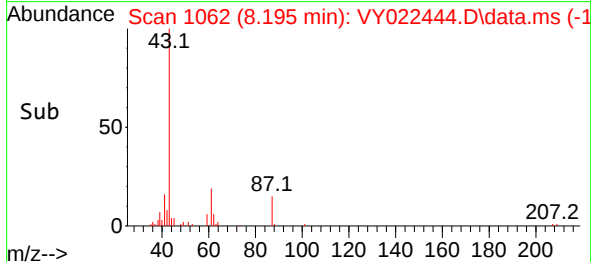
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2025



Tgt Ion: 43 Resp: 16520
Ion Ratio Lower Upper
43 100
61 17.8 15.4 23.0
87 13.8 10.6 15.8

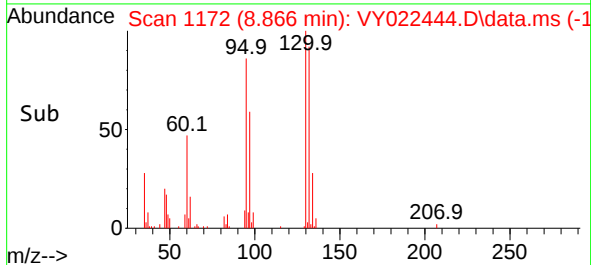
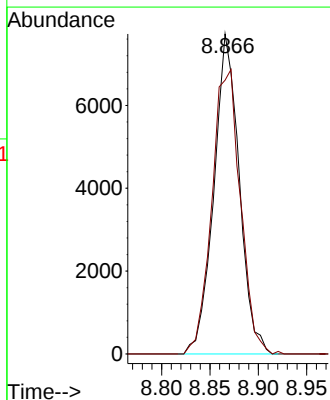
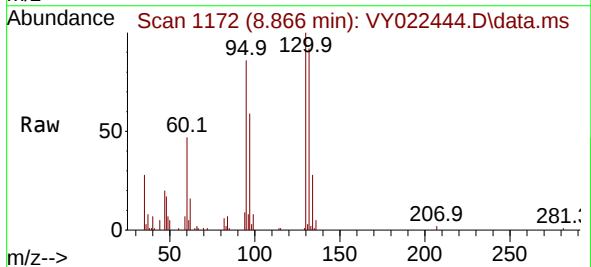
Manual Integrations
APPROVED

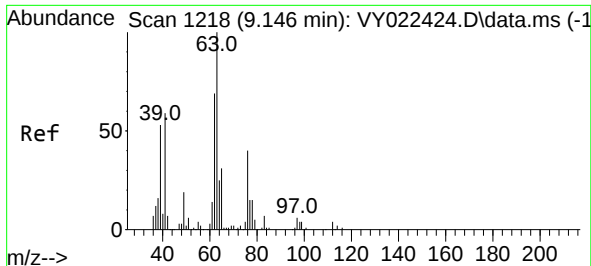
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#44
Trichloroethene
Concen: 5.452 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion:130 Resp: 14085
Ion Ratio Lower Upper
130 100
95 85.6 0.0 194.8





#45

1,2-Dichloropropane

Concen: 5.366 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion: 63 Resp: 1317

Ion Ratio Lower Upper

63 100

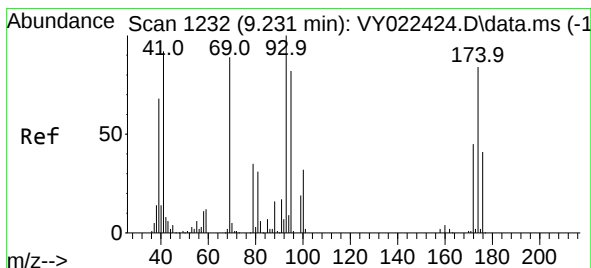
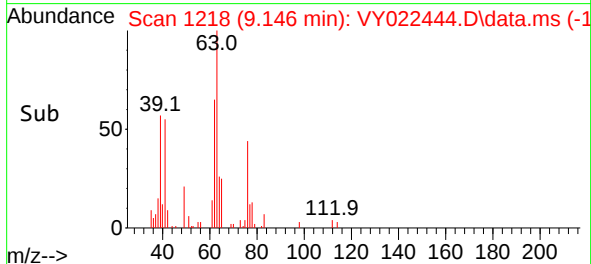
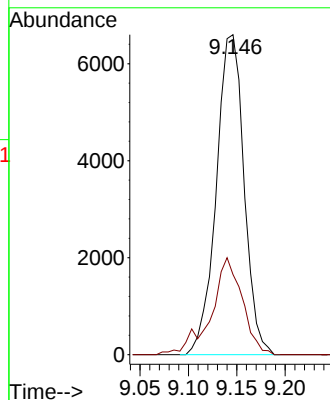
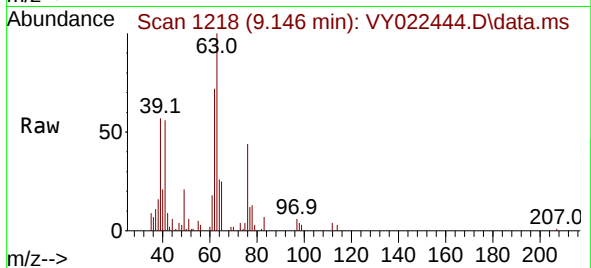
65 25.0 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025

Supervised By :Semsettin Yesilyurt 05/29/2025



#46

Dibromomethane

Concen: 4.970 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

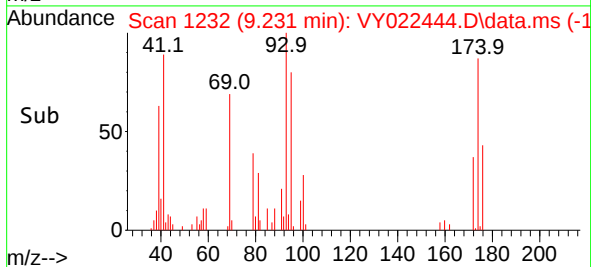
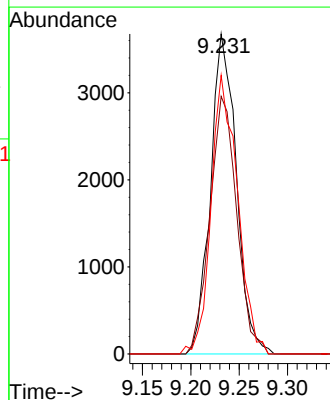
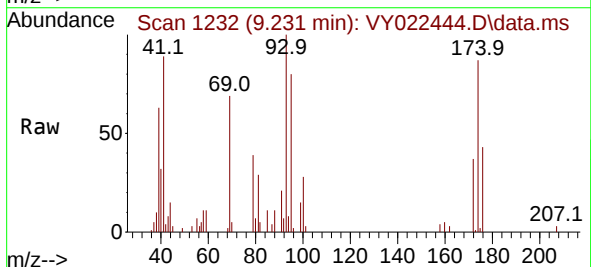
Tgt Ion: 93 Resp: 6817

Ion Ratio Lower Upper

93 100

95 84.2 66.2 99.2

174 89.1 71.1 106.7





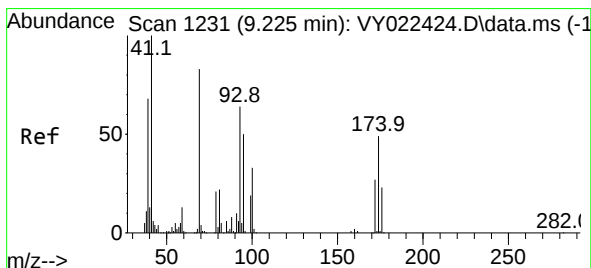
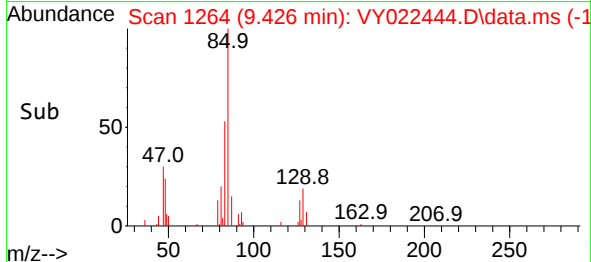
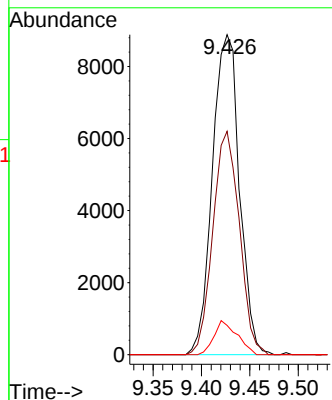
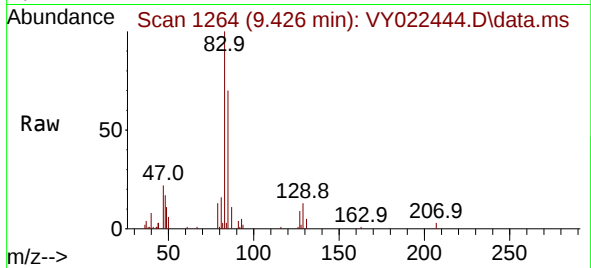
#47
Bromodichloromethane
Concen: 4.899 ug/l
RT: 9.426 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2025

Tgt Ion: 83 Resp: 1728
Ion Ratio Lower Upper
83 100
85 69.8 49.8 74.6
127 9.2 6.6 9.8

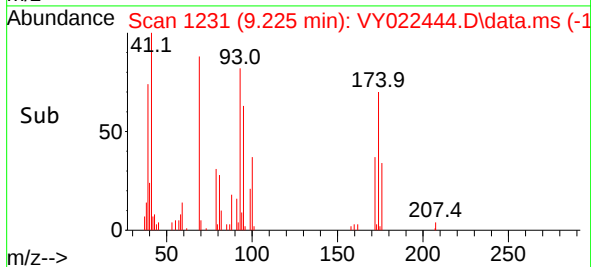
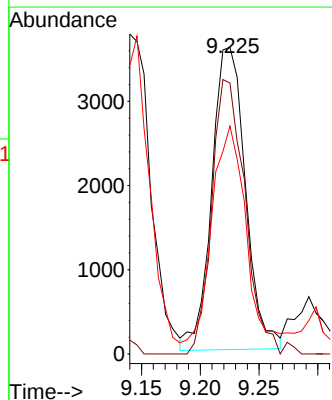
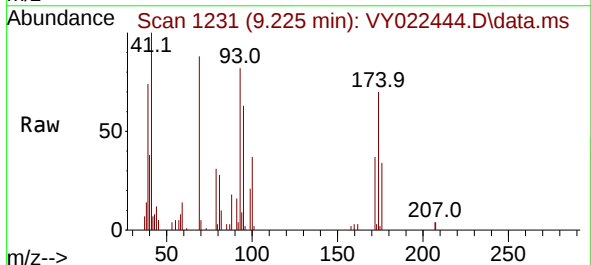
Manual Integrations
APPROVED

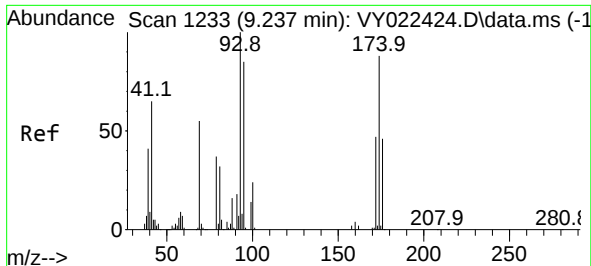
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#48
Methyl methacrylate
Concen: 4.730 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

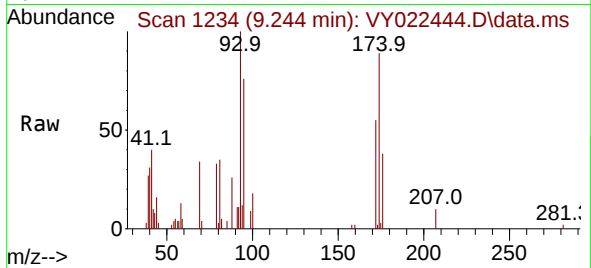
Tgt Ion: 41 Resp: 7161
Ion Ratio Lower Upper
41 100
69 89.8 70.3 105.5
39 71.1 55.4 83.0





#49
1,4-Dioxane
Concen: 99.927 ug/l
RT: 9.244 min Scan# 1234
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

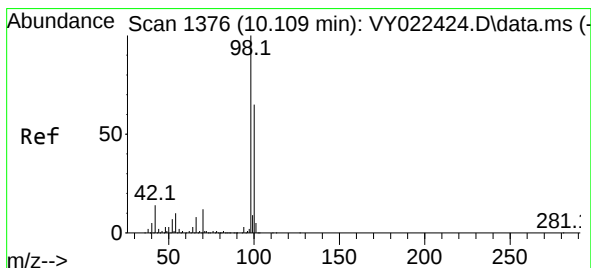
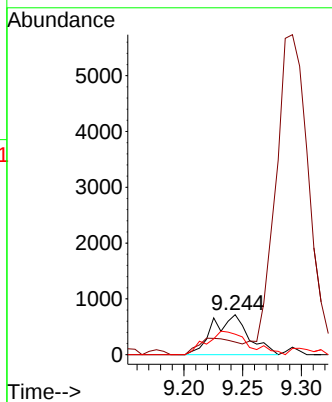
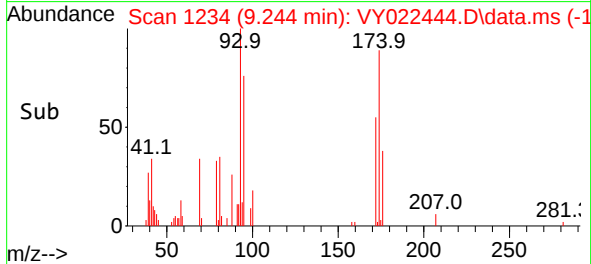
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion: 88 Resp: 1514
Ion Ratio Lower Upper
88 100
43 0.0 26.9 40.3
58 67.9 55.8 83.6

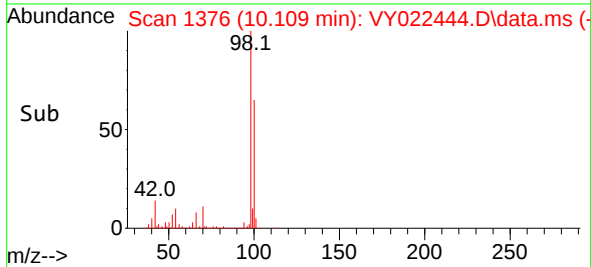
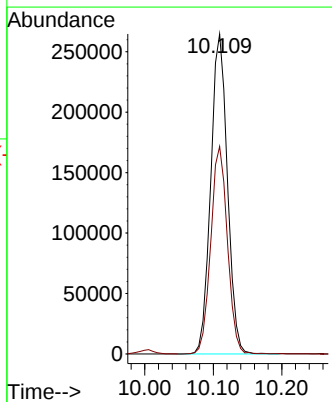
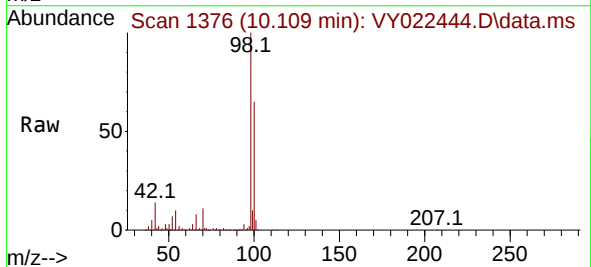
Manual Integrations
APPROVED

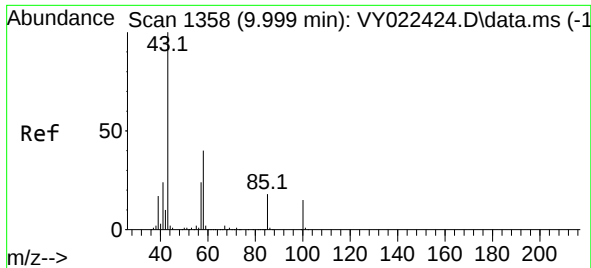
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#50
Toluene-d8
Concen: 49.491 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

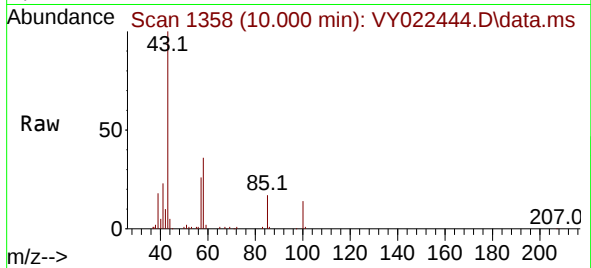
Tgt Ion: 98 Resp: 446562
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2





#51
4-Methyl-2-Pentanone
Concen: 22.646 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

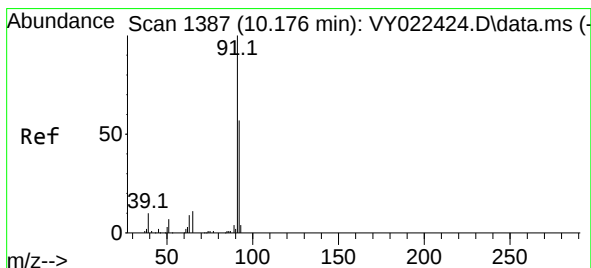
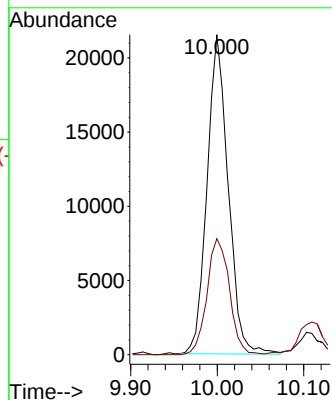
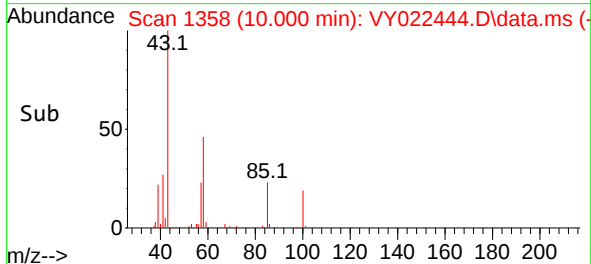
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2025



Tgt Ion: 43 Resp: 3644
Ion Ratio Lower Upper
43 100
58 38.6 31.2 46.8

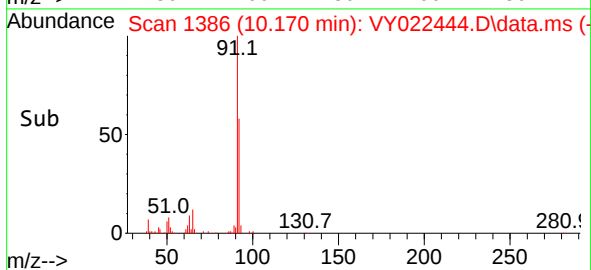
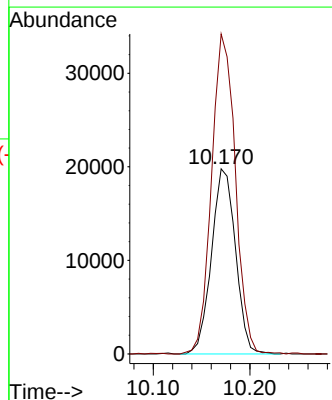
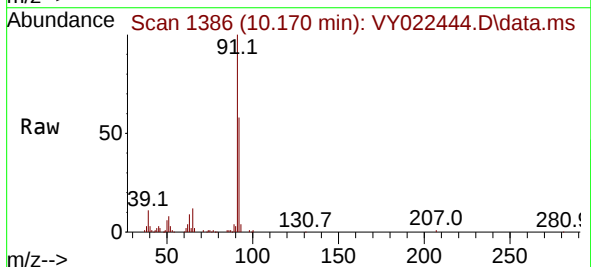
Manual Integrations
APPROVED

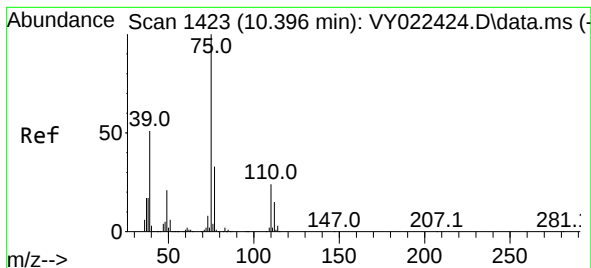
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#52
Toluene
Concen: 5.230 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

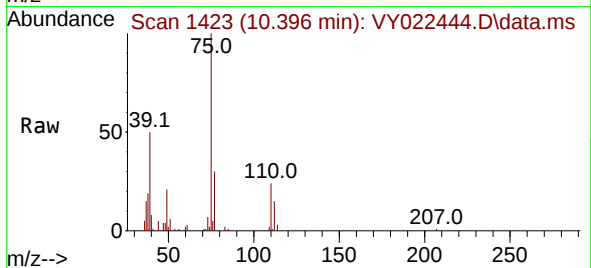
Tgt Ion: 92 Resp: 34138
Ion Ratio Lower Upper
92 100
91 171.4 139.8 209.6





#53
t-1,3-Dichloropropene
Concen: 4.685 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

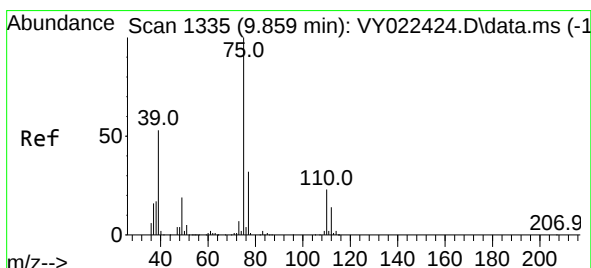
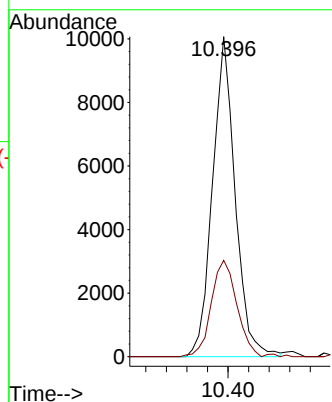
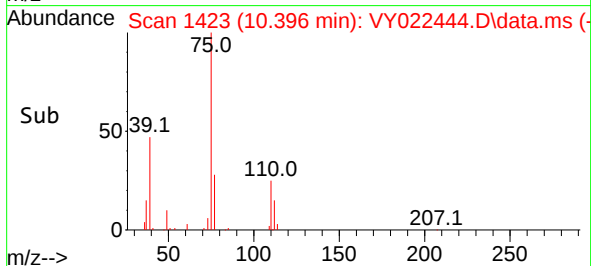
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2025



Tgt Ion: 75 Resp: 1539
Ion Ratio Lower Upper
75 100
77 30.1 26.2 39.2

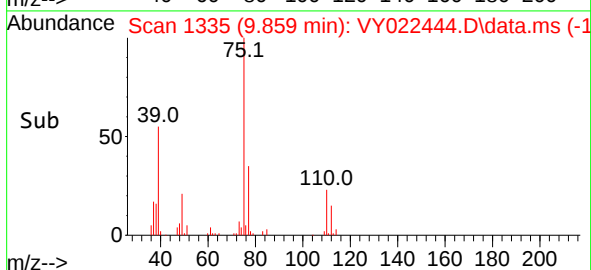
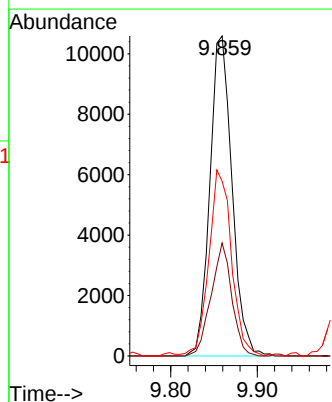
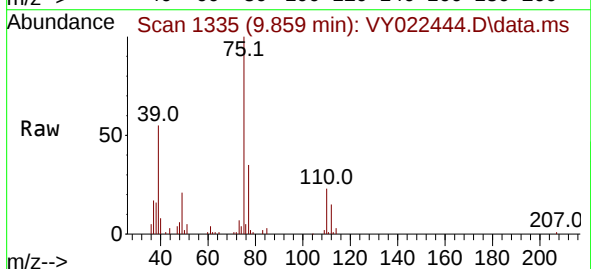
Manual Integrations
APPROVED

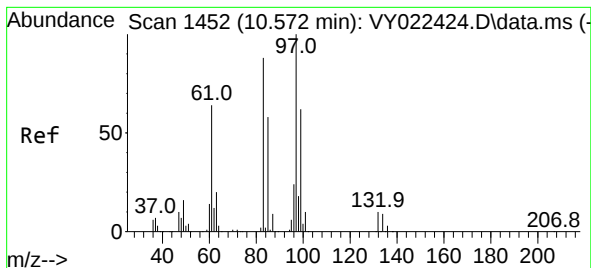
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#54
cis-1,3-Dichloropropene
Concen: 4.875 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

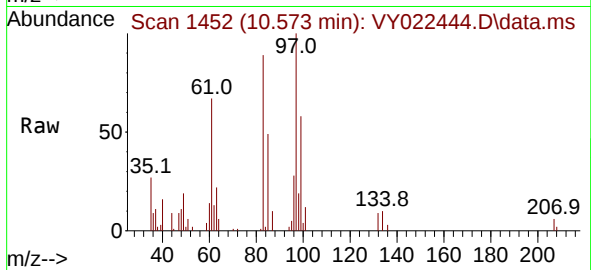
Tgt Ion: 75 Resp: 18822
Ion Ratio Lower Upper
75 100
77 35.3 25.4 38.2
39 54.6 42.5 63.7





#55
1,1,2-Trichloroethane
Concen: 5.124 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

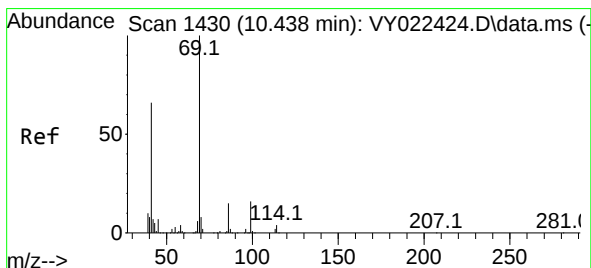
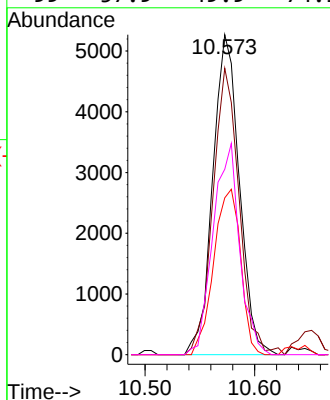
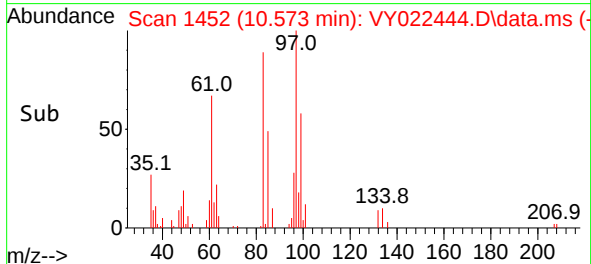
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2025



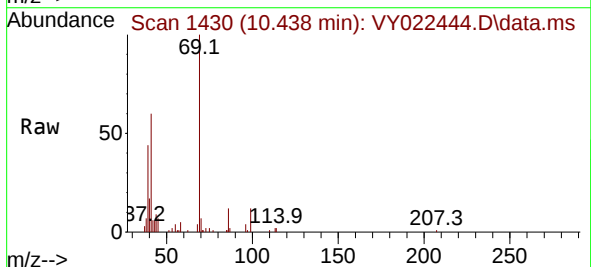
Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.2	105.4
85	49.0	46.1	69.1
99	57.9	49.9	74.9

Manual Integrations
APPROVED

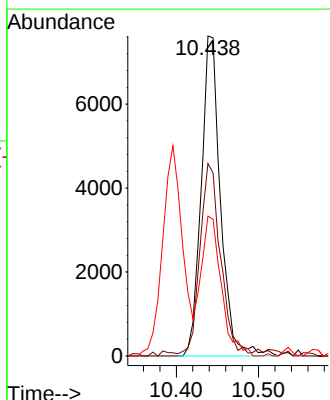
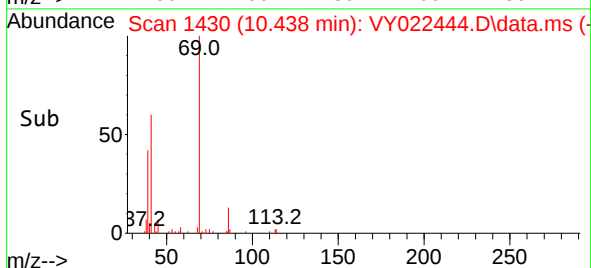
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025

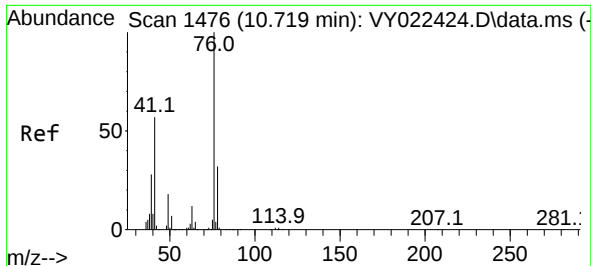


#56
Ethyl methacrylate
Concen: 5.016 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40



Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.2	76.8
39	45.9	35.2	52.8





#57

1,3-Dichloropropane

Concen: 5.060 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY022444.D

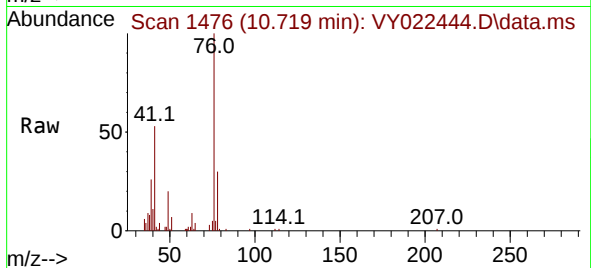
Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025



Tgt Ion: 76 Resp: 1546

Ion Ratio Lower Upper

76 100

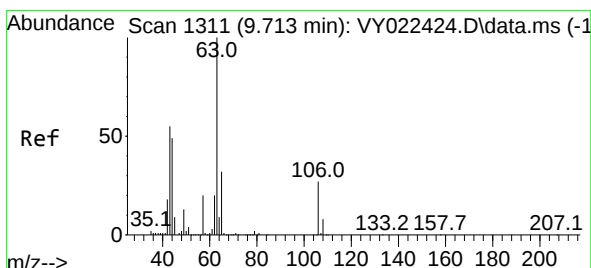
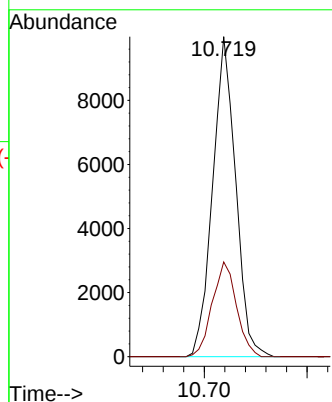
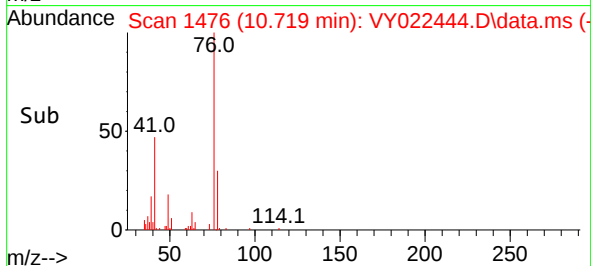
78 31.2 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025

Supervised By :Semsettin Yesilyurt 05/29/2025



#58

2-Chloroethyl Vinyl ether

Concen: 20.257 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY022444.D

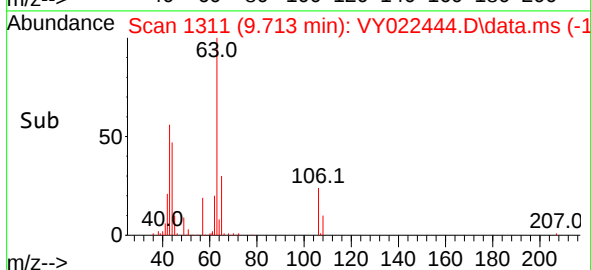
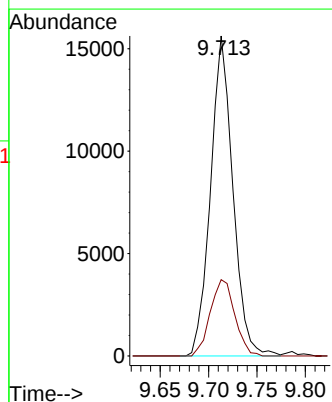
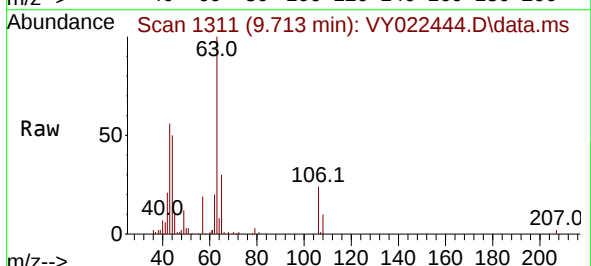
Acq: 28 May 2025 11:40

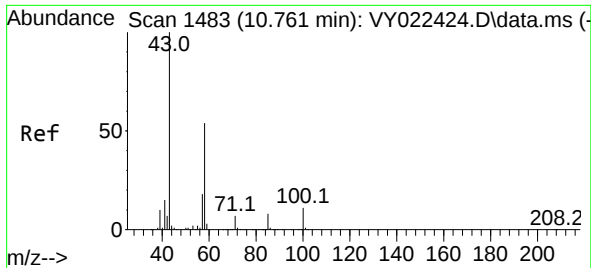
Tgt Ion: 63 Resp: 25126

Ion Ratio Lower Upper

63 100

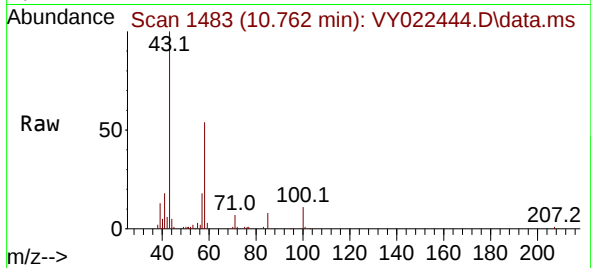
106 26.1 22.2 33.2





#59
2-Hexanone
Concen: 22.347 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

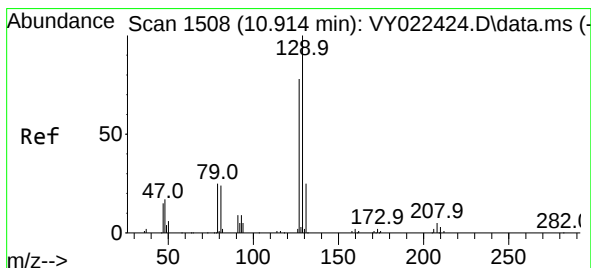
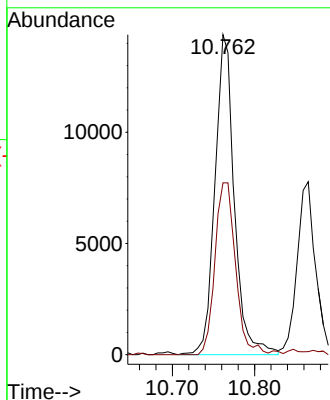
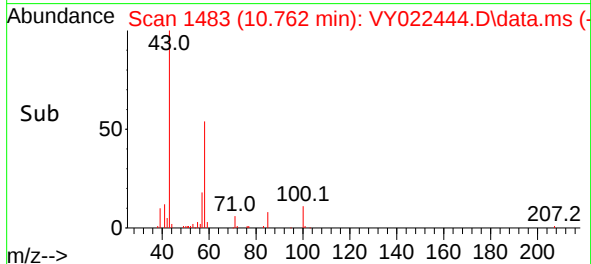
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025



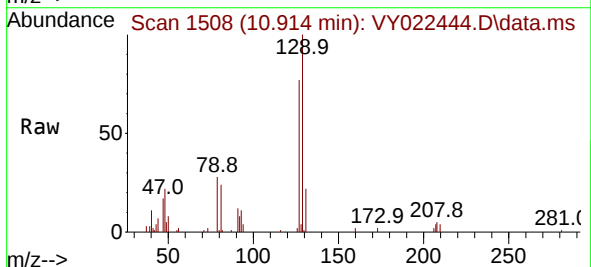
Tgt Ion: 43 Resp: 23569
Ion Ratio Lower Upper
43 100
58 57.0 27.1 81.2

Manual Integrations
APPROVED

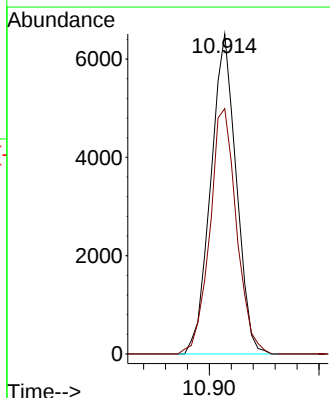
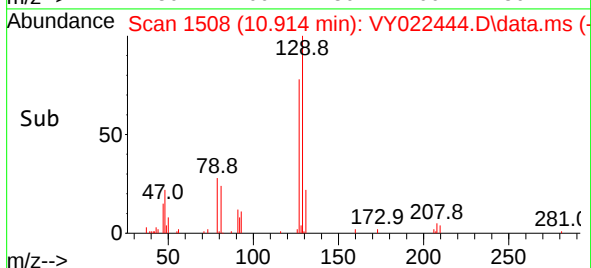
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025

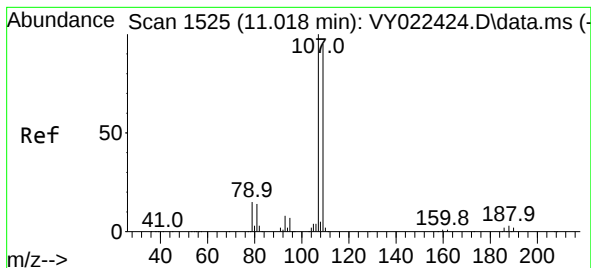


#60
Dibromochloromethane
Concen: 4.743 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40



Tgt Ion:129 Resp: 10507
Ion Ratio Lower Upper
129 100
127 80.1 38.3 114.8





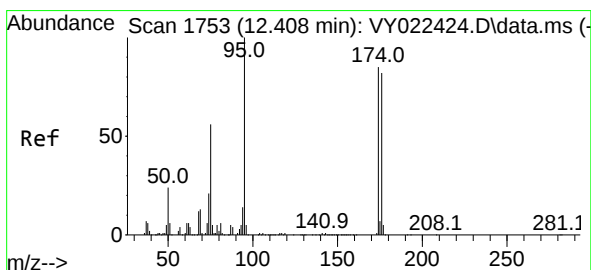
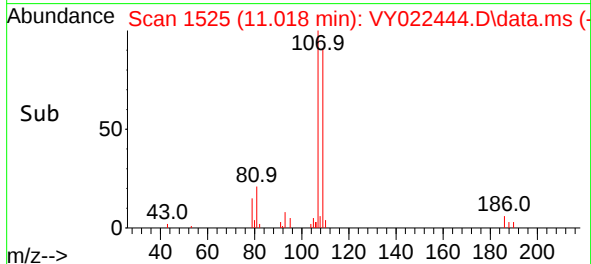
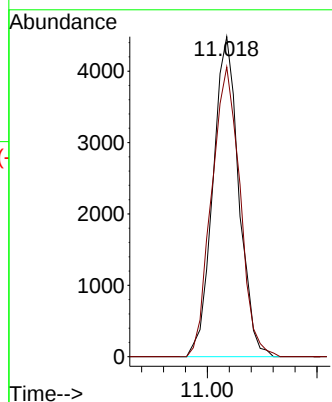
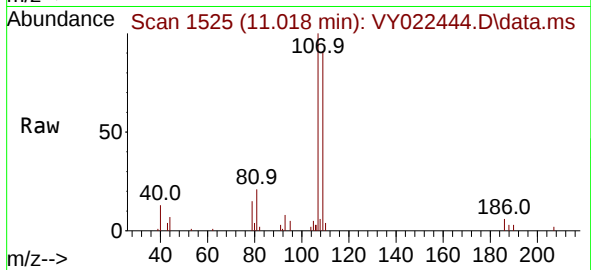
#61
1,2-Dibromoethane
Concen: 4.648 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Tgt Ion:107 Resp: 737
Ion Ratio Lower Upper
107 100
109 98.8 74.0 111.0

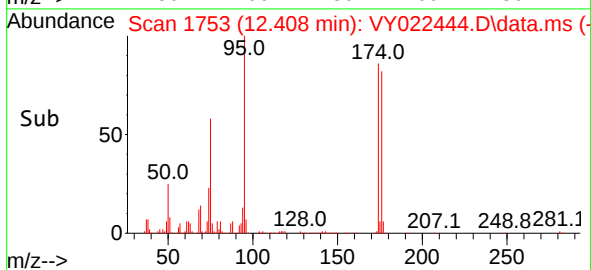
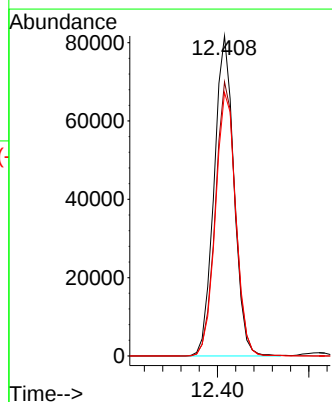
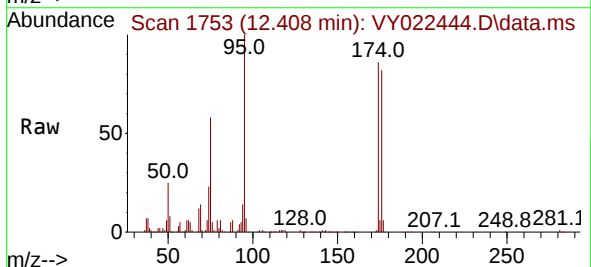
Manual Integrations
APPROVED

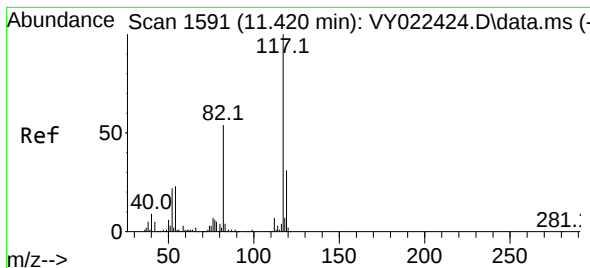
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#62
4-Bromofluorobenzene
Concen: 45.169 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 95 Resp: 123282
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 84.3 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY022444.D

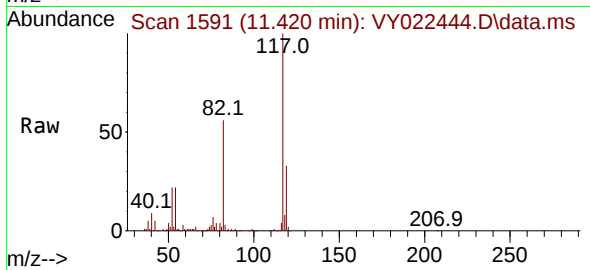
Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025



Tgt Ion:117 Resp: 30796

Ion Ratio Lower Upper

117 100

82 56.4 43.3 64.9

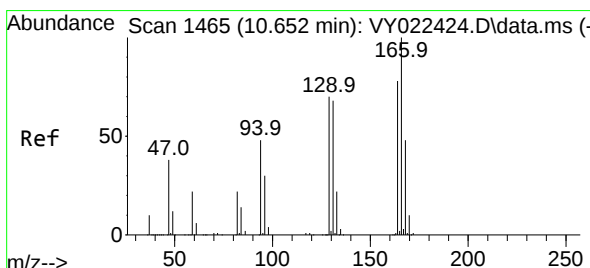
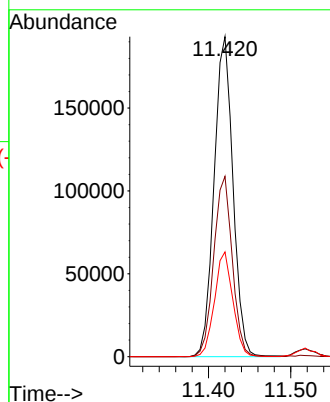
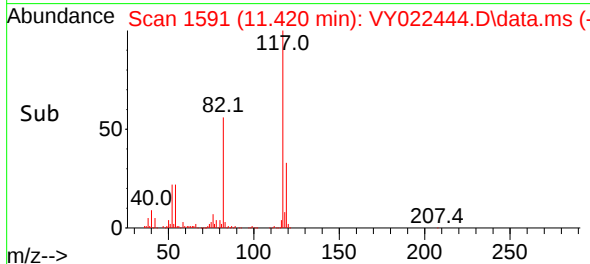
119 32.7 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025

Supervised By :Semsettin Yesilyurt 05/29/2025



#64

Tetrachloroethene

Concen: 5.765 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Tgt Ion:164 Resp: 15120

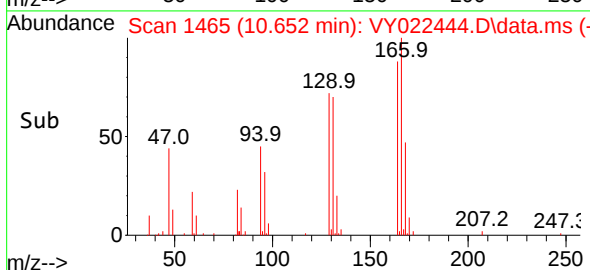
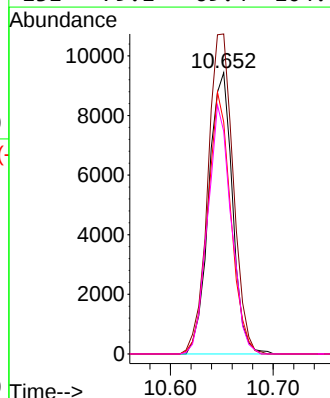
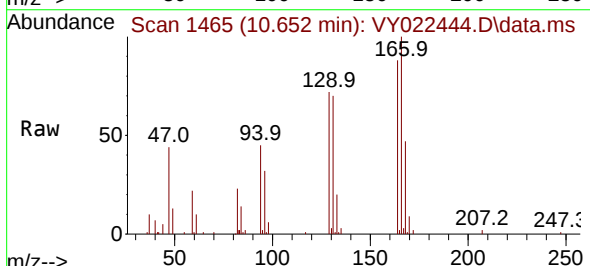
Ion Ratio Lower Upper

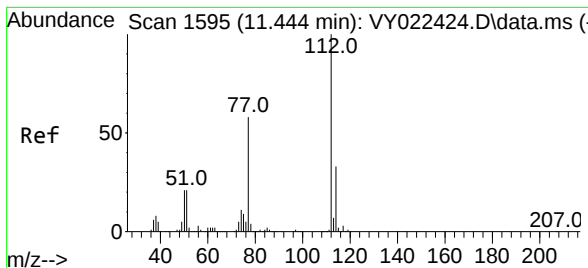
164 100

166 113.8 102.0 153.0

129 82.4 71.3 106.9

131 79.1 69.4 104.0





#65

Chlorobenzene

Concen: 5.487 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:112 Resp: 36034

Ion Ratio Lower Upper

112 100

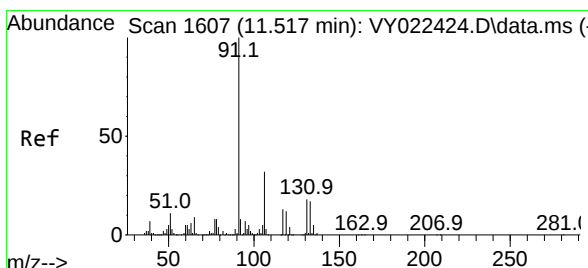
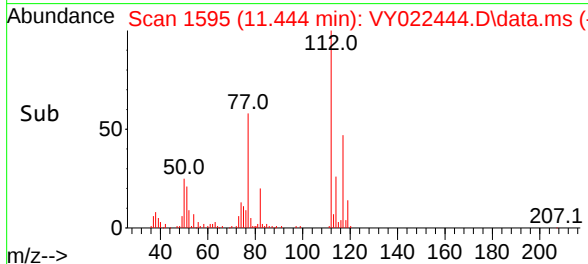
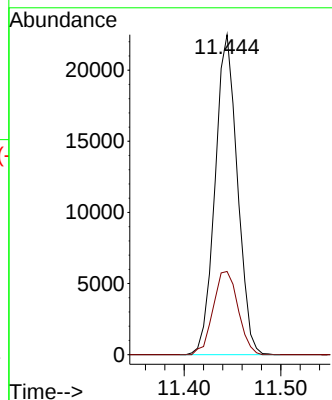
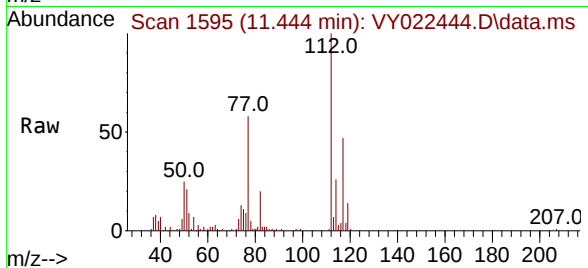
114 26.0 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025

Supervised By :Semsettin Yesilyurt 05/29/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 5.216 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

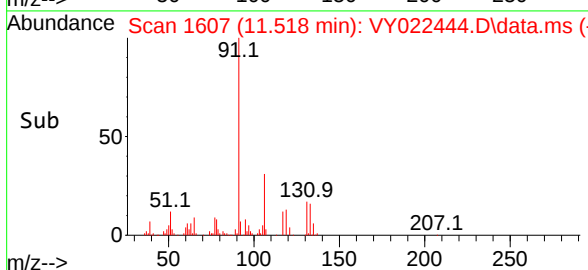
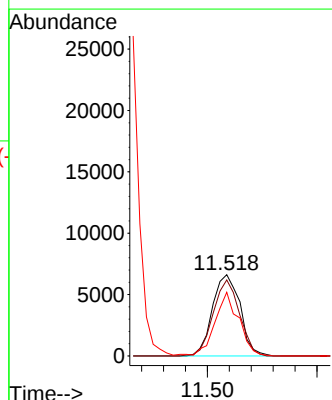
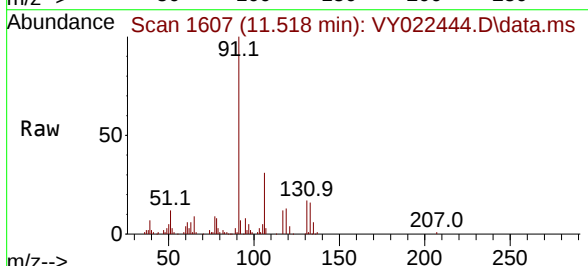
Tgt Ion:131 Resp: 11605

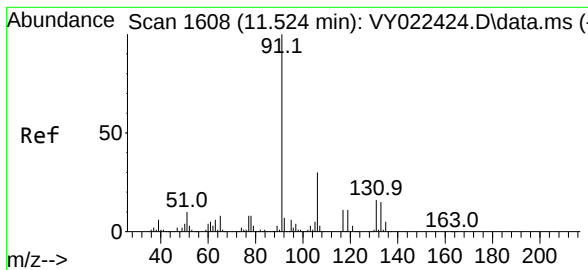
Ion Ratio Lower Upper

131 100

133 88.8 46.6 139.8

119 67.3 33.3 99.8





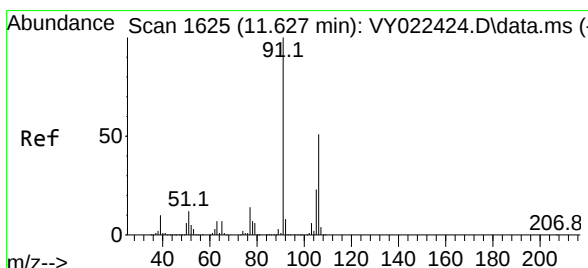
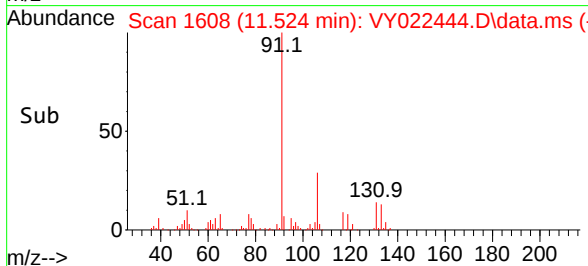
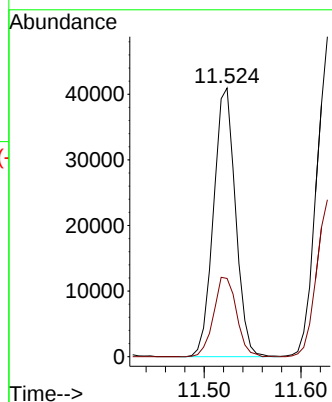
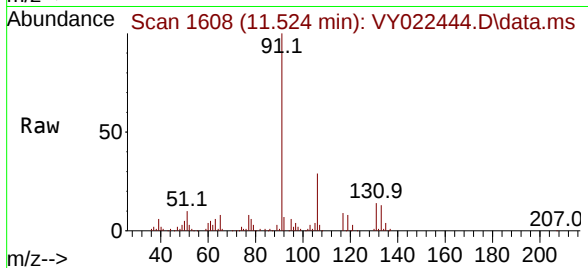
#67
Ethyl Benzene
Concen: 5.302 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Instrument : MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Tgt Ion: 91 Resp: 64649
Ion Ratio Lower Upper
91 100
106 29.1 24.4 36.6

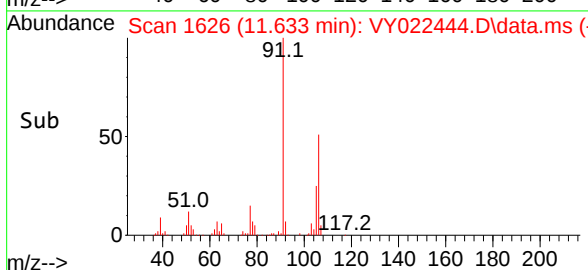
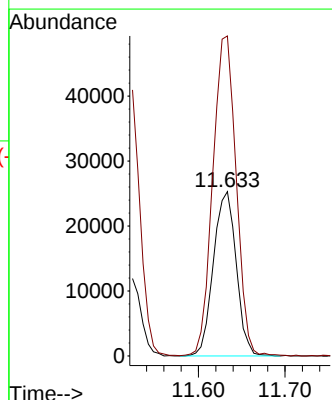
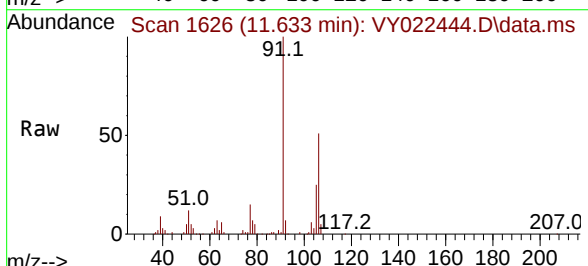
Manual Integrations
APPROVED

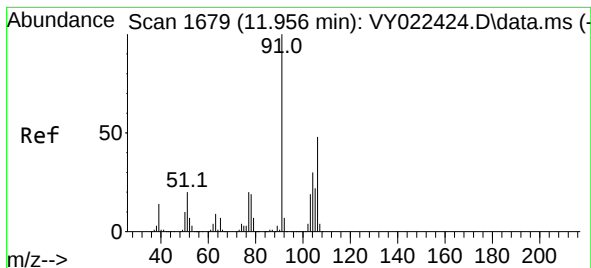
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#68
m/p-Xylenes
Concen: 10.005 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

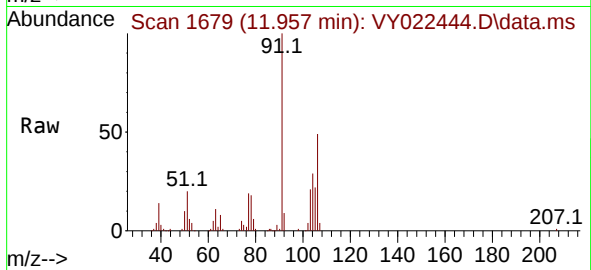
Tgt Ion:106 Resp: 46249
Ion Ratio Lower Upper
106 100
91 200.0 159.8 239.8





#69
o-Xylene
Concen: 5.072 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

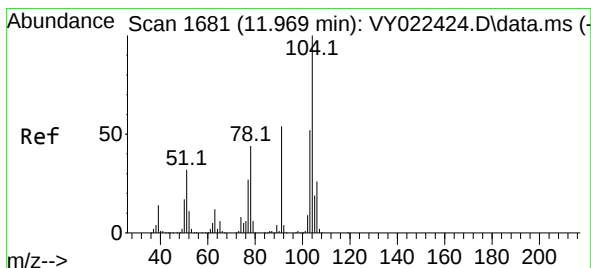
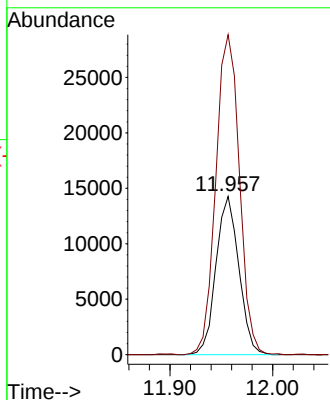
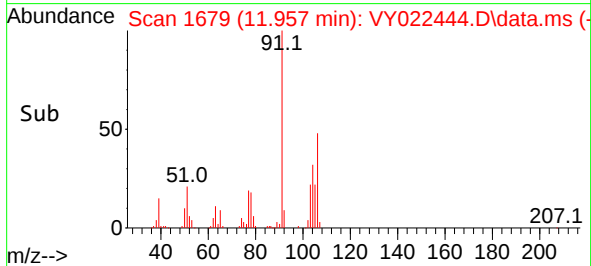
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion:106 Resp: 22035
Ion Ratio Lower Upper
106 100
91 208.7 106.3 318.9

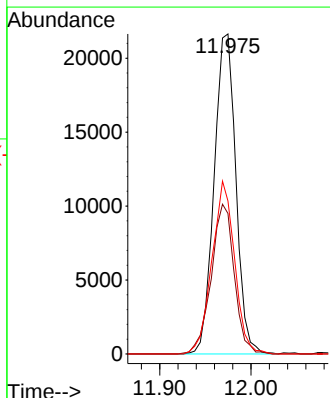
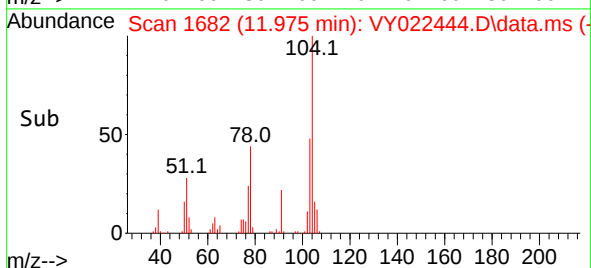
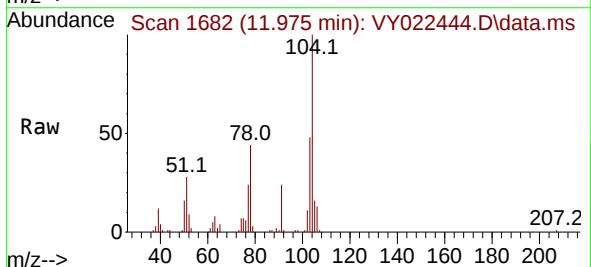
Manual Integrations
APPROVED

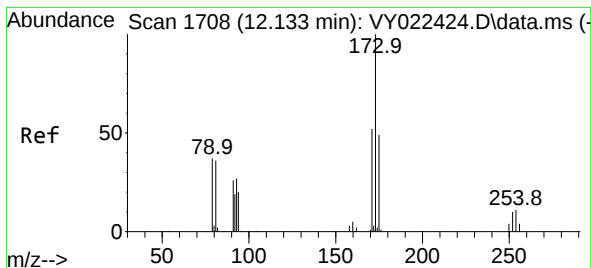
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#70
Styrene
Concen: 4.959 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion:104 Resp: 35874
Ion Ratio Lower Upper
104 100
78 49.6 38.8 58.2
103 56.2 43.4 65.2





#71

Bromoform

Concen: 4.907 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

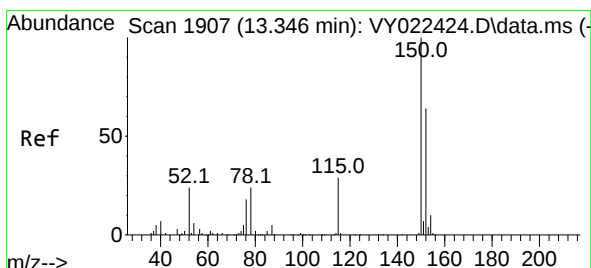
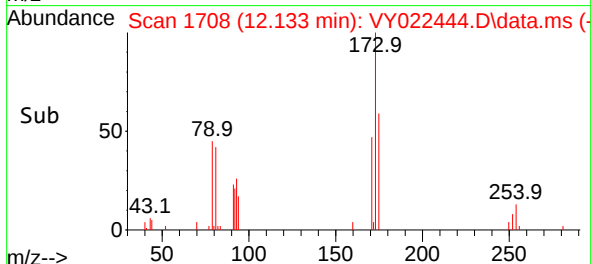
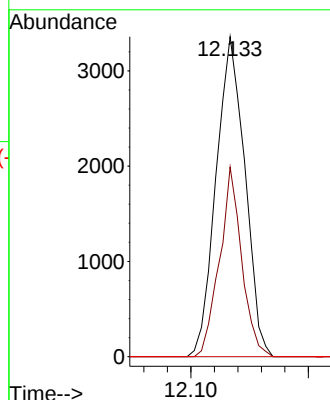
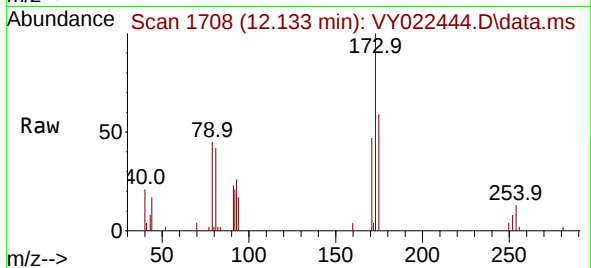
LOQ-SOIL-02-QT2-2025

Tgt Ion:	173	Resp:	5718
Ion Ratio	Lower	Upper	
173	100		
175	45.8	24.3	73.0
254	0.0	0.1	0.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

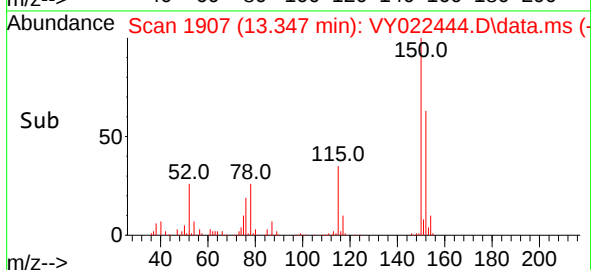
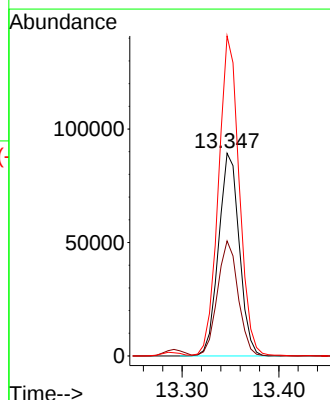
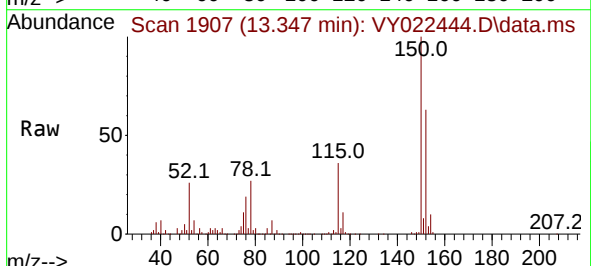
RT: 13.347 min Scan# 1907

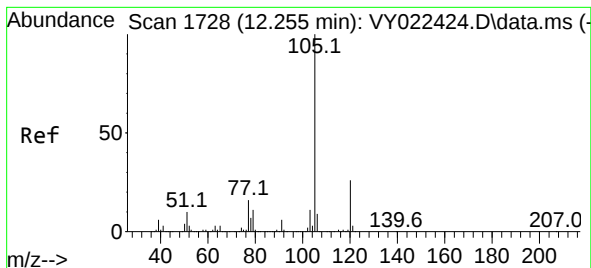
Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Tgt Ion:	152	Resp:	132317
Ion Ratio	Lower	Upper	
152	100		
115	56.8	28.4	85.3
150	158.8	0.0	345.8





#73

Isopropylbenzene

Concen: 5.540 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

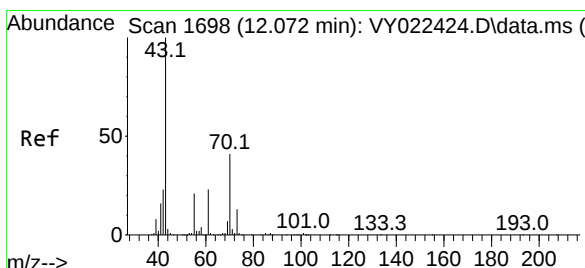
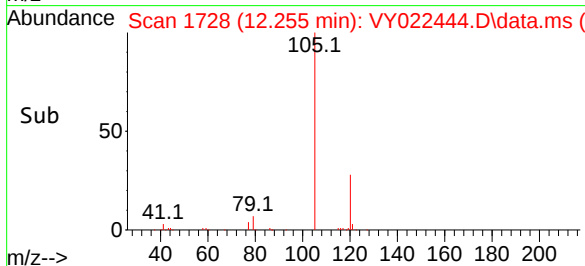
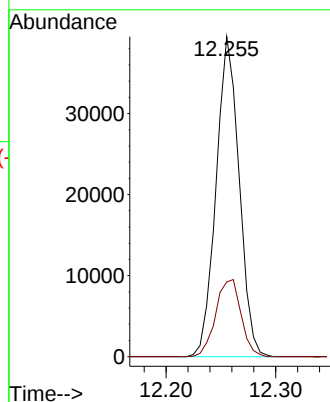
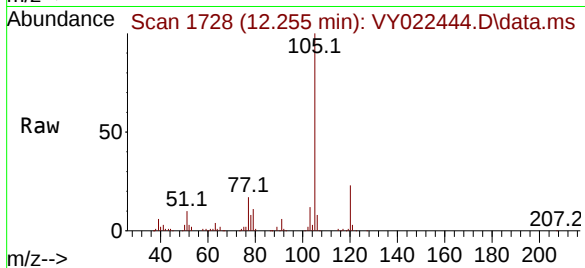
LOQ-SOIL-02-QT2-2025

Tgt Ion:105 Resp: 57689
 Ion Ratio Lower Upper
 105 100
 120 26.4 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025
 Supervised By :Semsettin Yesilyurt 05/29/2025



#74

N-ethyl acetate

Concen: 4.876 ug/l

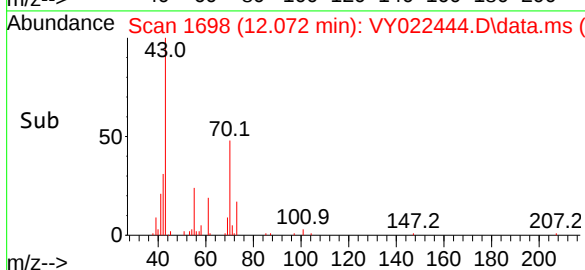
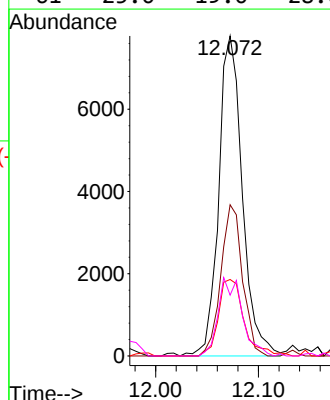
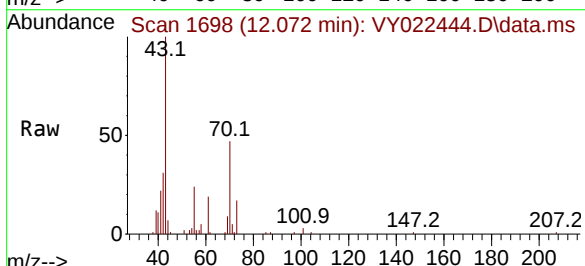
RT: 12.072 min Scan# 1698

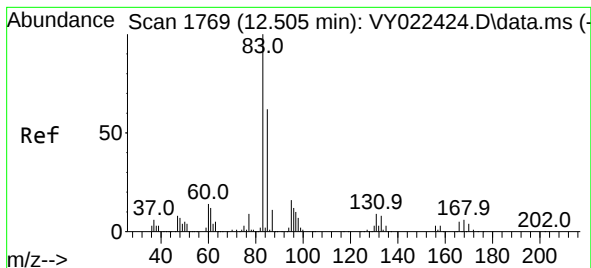
Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Tgt Ion: 43 Resp: 12426
 Ion Ratio Lower Upper
 43 100
 70 43.3 33.0 49.4
 55 25.8 17.5 26.3
 61 25.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.500 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

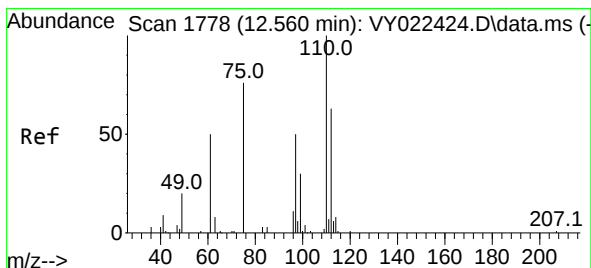
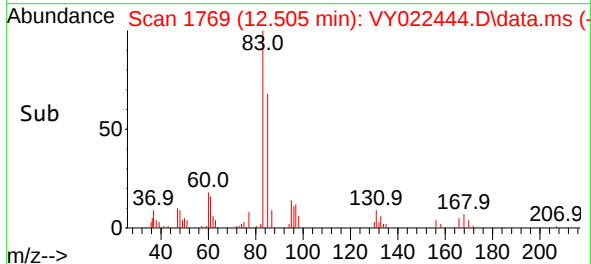
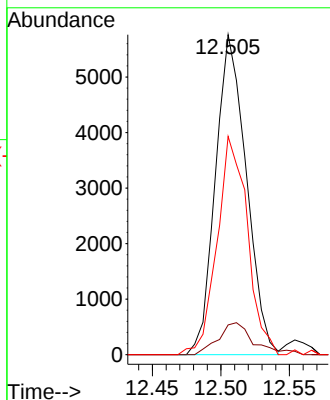
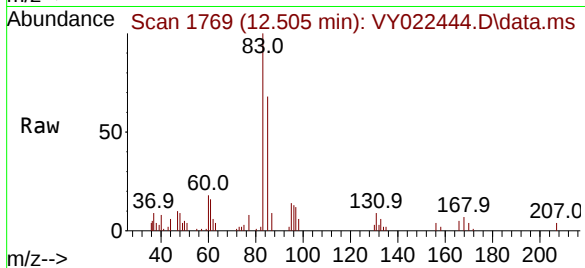
LOQ-SOIL-02-QT2-2025

Tgt Ion: 83	Resp: 9024
Ion Ratio	Lower Upper
83 100	
131 11.5	4.8 14.4
85 67.1	32.0 96.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#76

1,2,3-Trichloropropane

Concen: 5.288 ug/l m

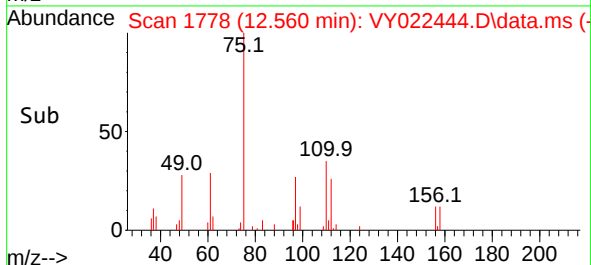
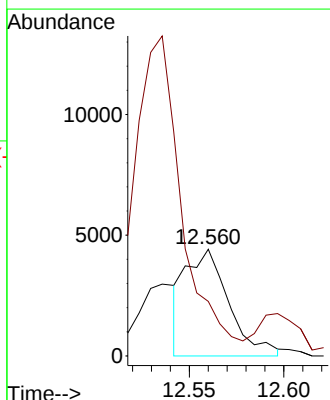
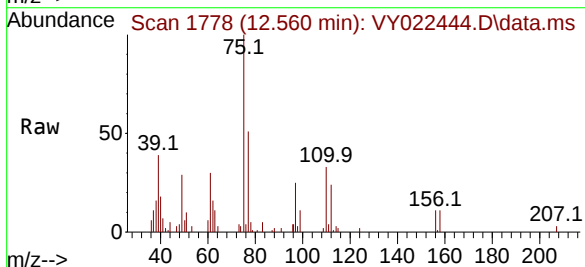
RT: 12.560 min Scan# 1778

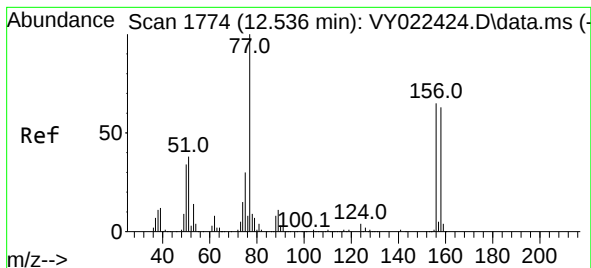
Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Tgt Ion: 75	Resp: 7008
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0





#77

Bromobenzene

Concen: 5.676 ug/l

RT: 12.536 min Scan# 1774

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

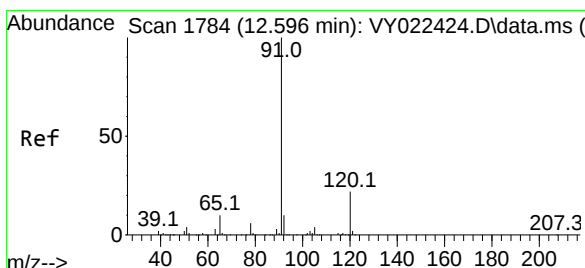
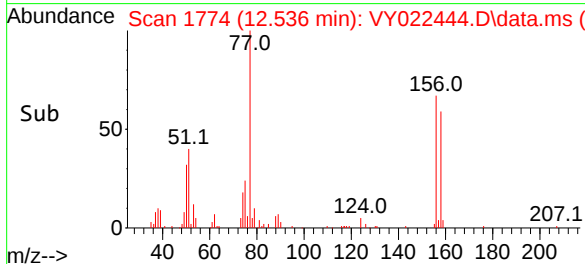
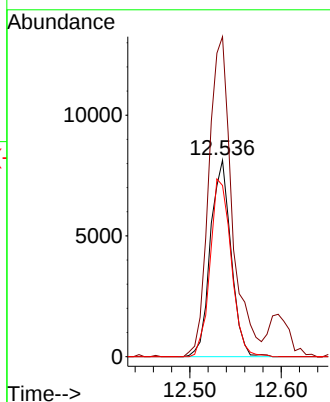
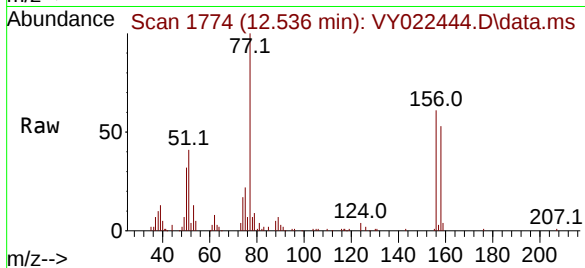
LOQ-SOIL-02-QT2-2025

Tgt Ion:	156	Resp:	1272
Ion Ratio	Lower	Upper	
156	100		
77	184.3	91.4	274.2
158	92.8	48.1	144.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#78

n-propylbenzene

Concen: 5.798 ug/l

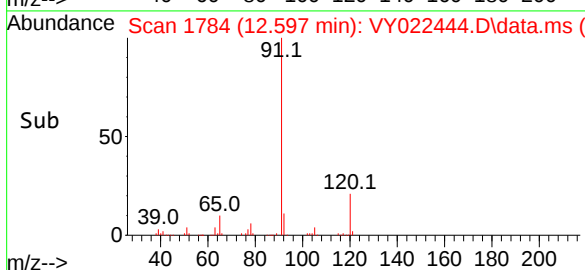
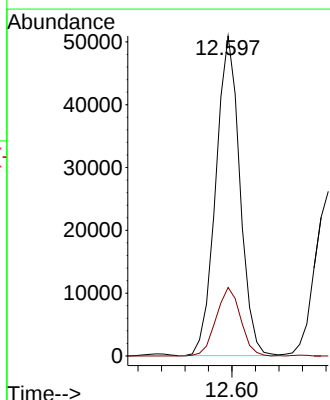
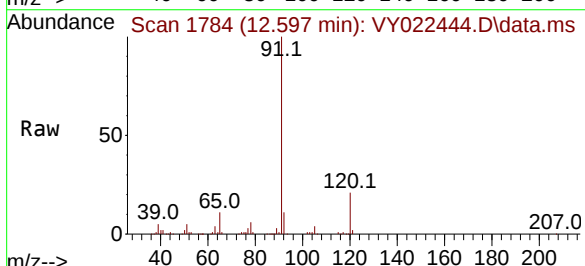
RT: 12.597 min Scan# 1784

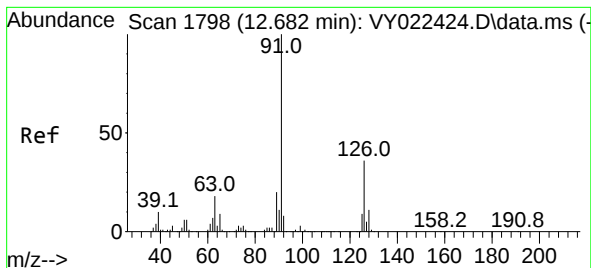
Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Tgt Ion:	91	Resp:	72456
Ion Ratio	Lower	Upper	
91	100		
120	21.7	11.2	33.5





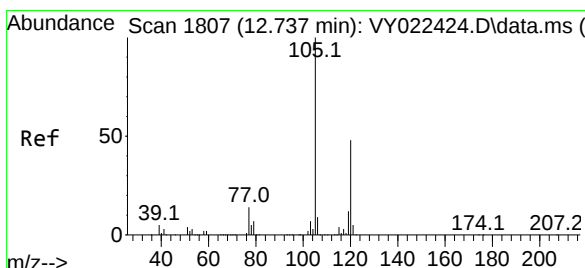
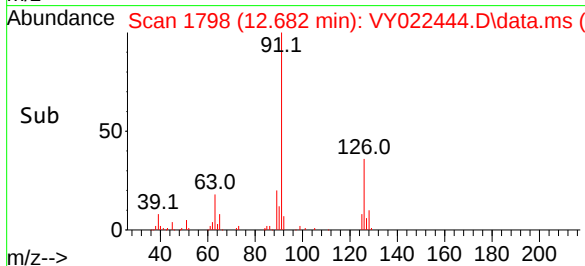
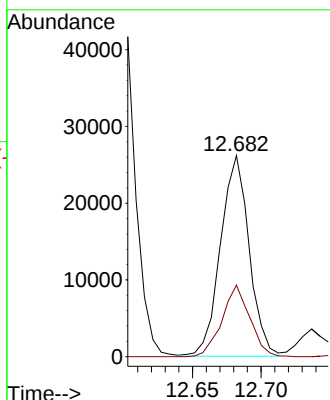
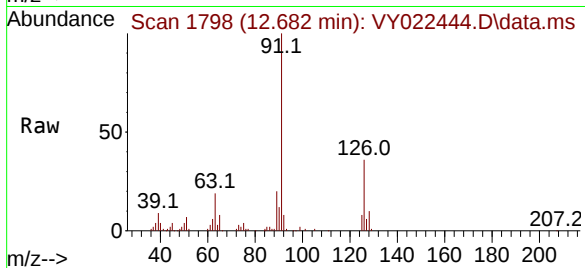
#79
2-Chlorotoluene
Concen: 5.629 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Tgt Ion: 91 Resp: 38079
Ion Ratio Lower Upper
91 100
126 34.5 17.4 52.3

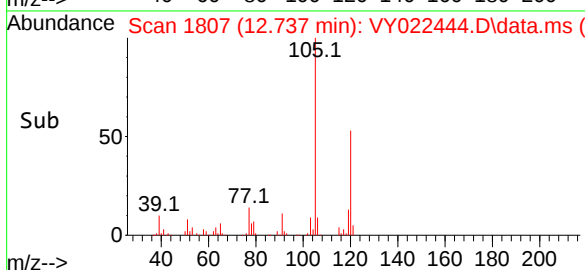
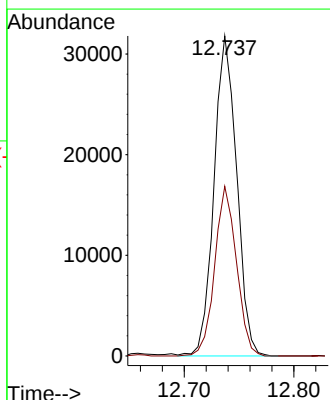
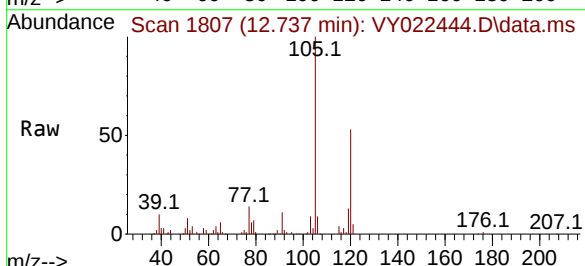
Manual Integrations
APPROVED

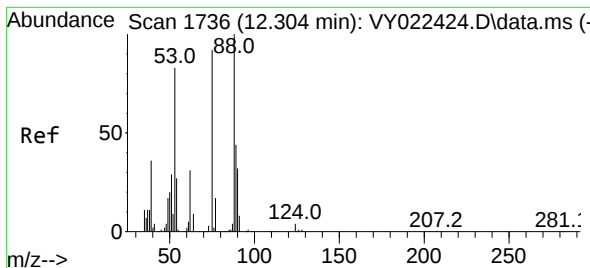
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#80
1,3,5-Trimethylbenzene
Concen: 5.611 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

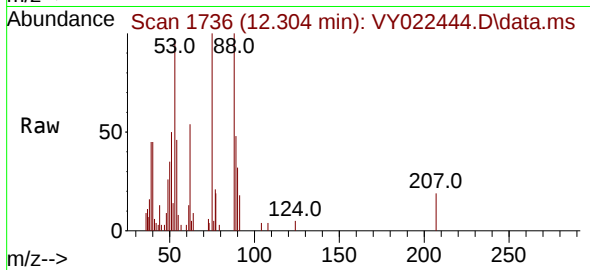
Tgt Ion:105 Resp: 45653
Ion Ratio Lower Upper
105 100
120 50.8 24.3 73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 4.703 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

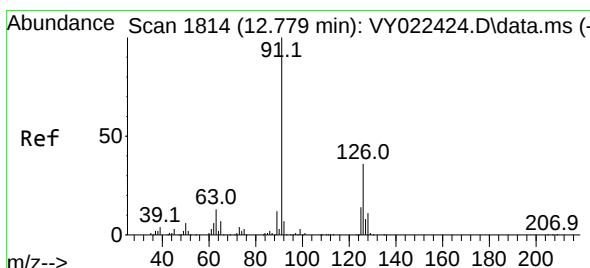
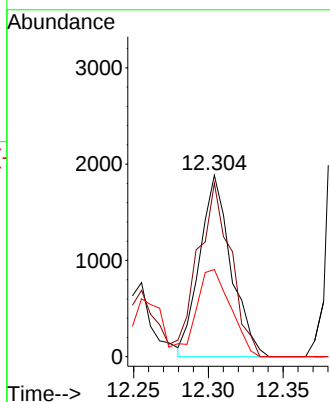
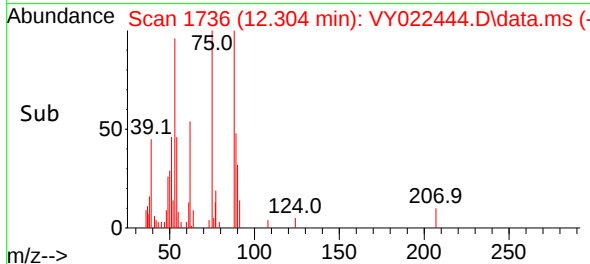
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2025



Tgt Ion: 75 Resp: 2750
Ion Ratio Lower Upper
75 100
53 100.8 75.1 112.7
89 49.6 37.4 56.0

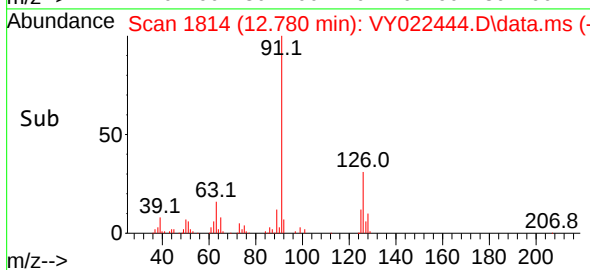
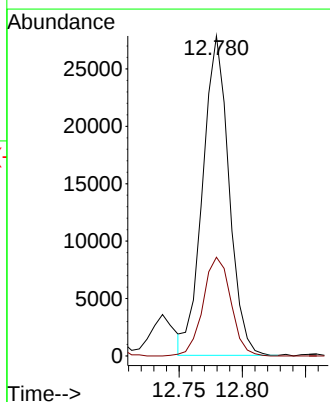
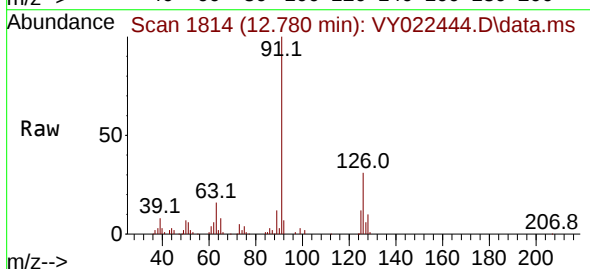
Manual Integrations
APPROVED

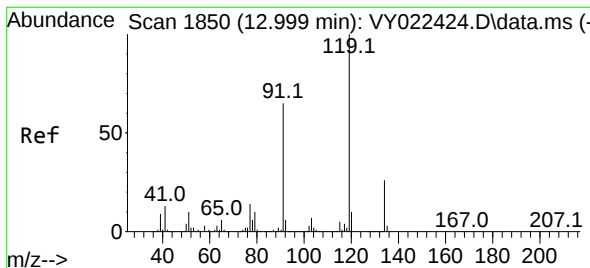
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#82
4-Chlorotoluene
Concen: 5.762 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion: 91 Resp: 40147
Ion Ratio Lower Upper
91 100
126 32.7 17.2 51.6





#83

tert-Butylbenzene

Concen: 5.570 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

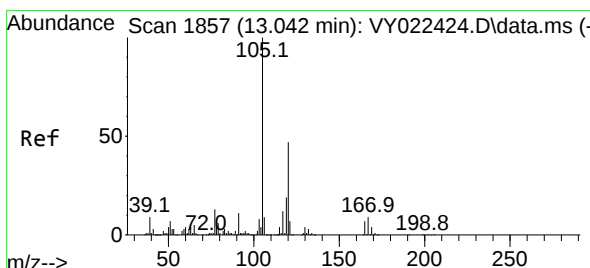
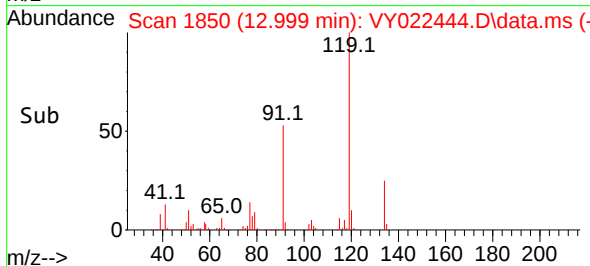
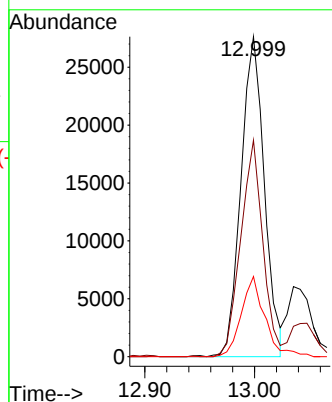
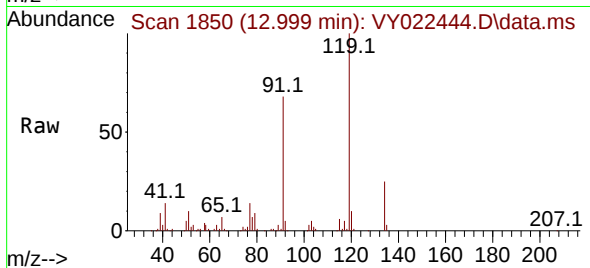
LOQ-SOIL-02-QT2-2025

Tgt Ion:	119	Resp:	4094
Ion Ratio	Lower	Upper	
119	100		
91	64.0	31.8	95.3
134	25.4	13.0	38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#84

1,2,4-Trimethylbenzene

Concen: 5.406 ug/l

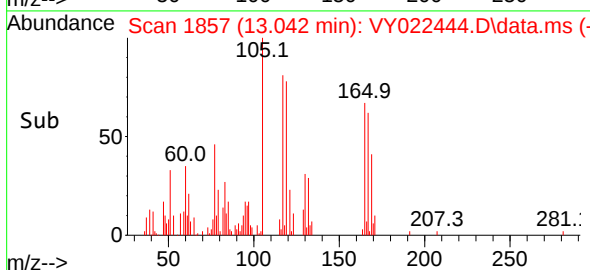
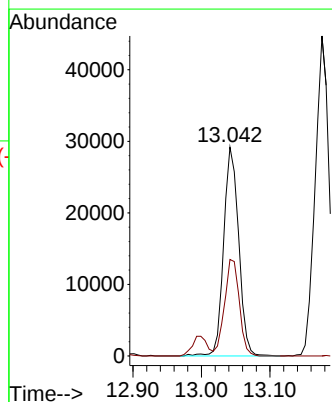
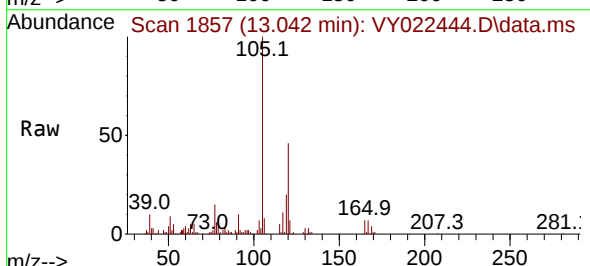
RT: 13.042 min Scan# 1857

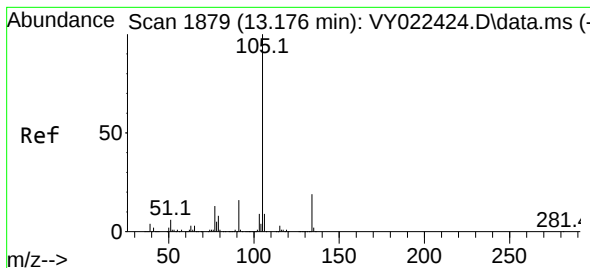
Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Tgt Ion:	105	Resp:	44267
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.9	68.5





#85

sec-Butylbenzene

Concen: 5.836 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:105 Resp: 63628

Ion Ratio Lower Upper

105 100

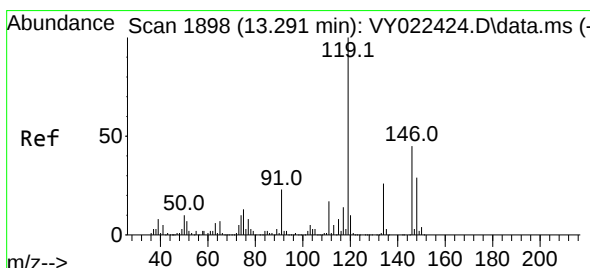
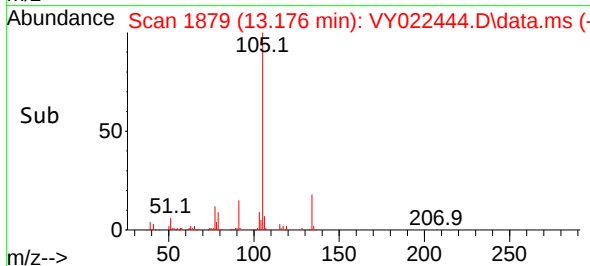
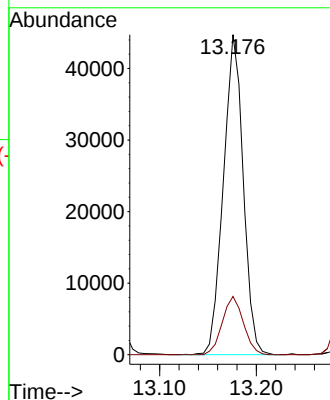
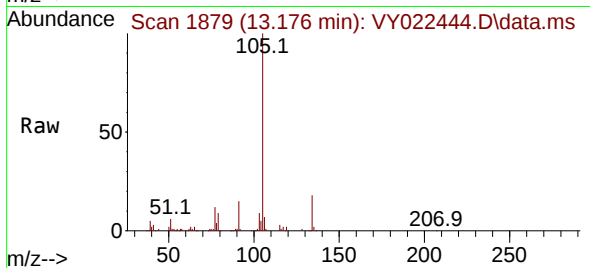
134 19.3 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025

Supervised By :Semsettin Yesilyurt 05/29/2025



#86

p-Isopropyltoluene

Concen: 5.365 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

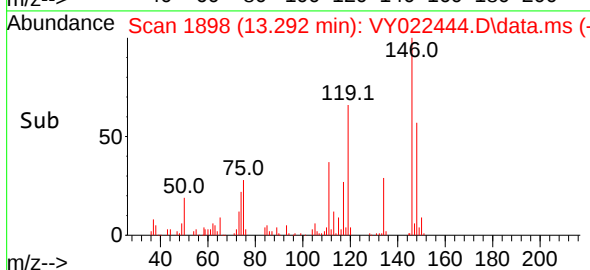
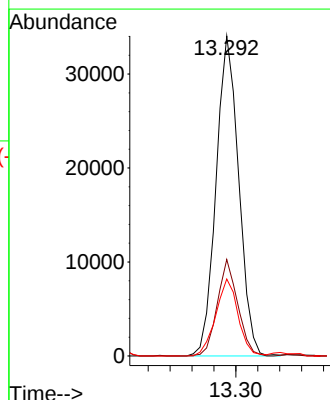
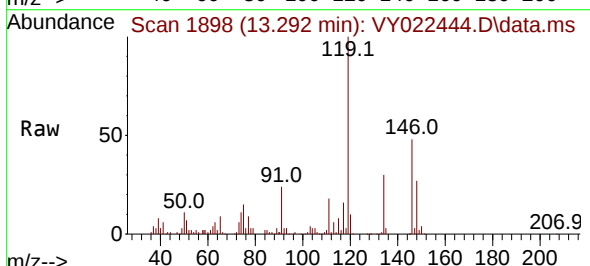
Tgt Ion:119 Resp: 48843

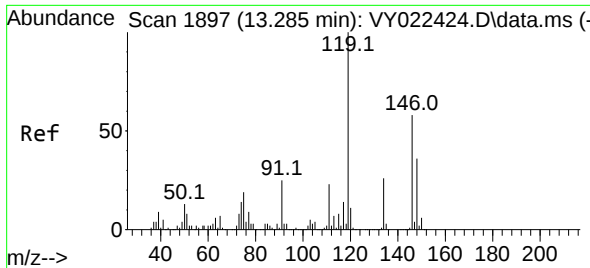
Ion Ratio Lower Upper

119 100

134 27.2 13.0 39.0

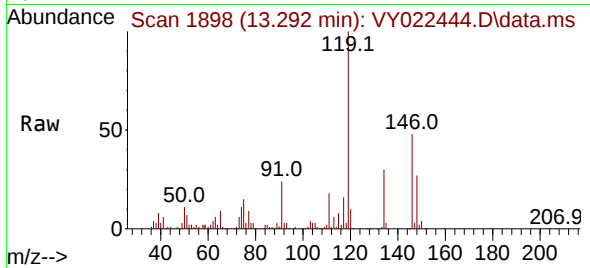
91 23.7 11.6 34.8





#87
1,3-Dichlorobenzene
Concen: 5.517 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

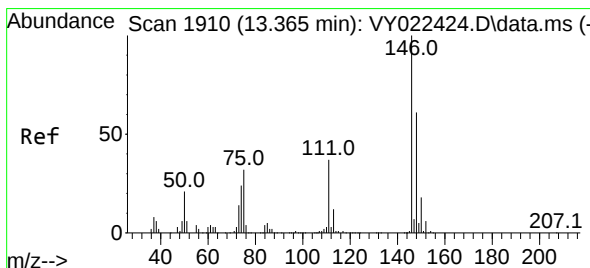
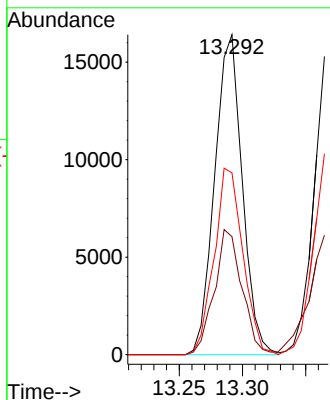
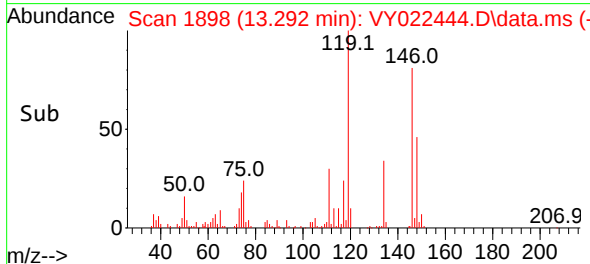
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2025



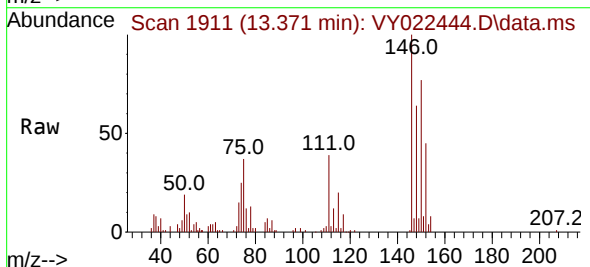
Tgt Ion:146 Resp: 24879
Ion Ratio Lower Upper
146 100
111 39.2 19.6 58.8
148 60.7 31.7 95.1

Manual Integrations
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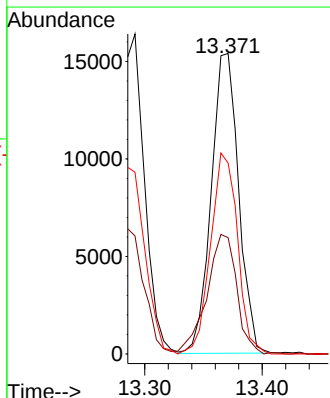
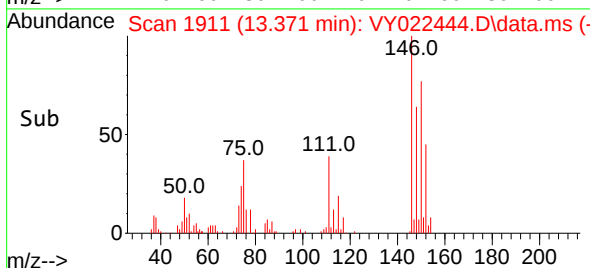
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025

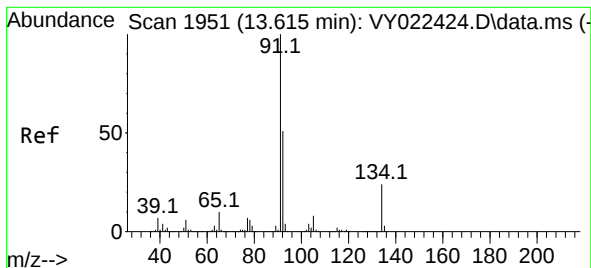


#88
1,4-Dichlorobenzene
Concen: 5.782 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40



Tgt Ion:146 Resp: 24930
Ion Ratio Lower Upper
146 100
111 43.8 18.7 56.1
148 65.9 31.4 94.3





#89

n-Butylbenzene

Concen: 5.650 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

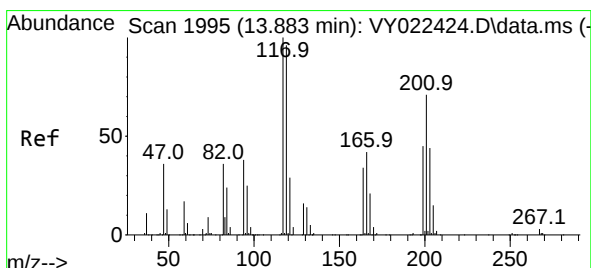
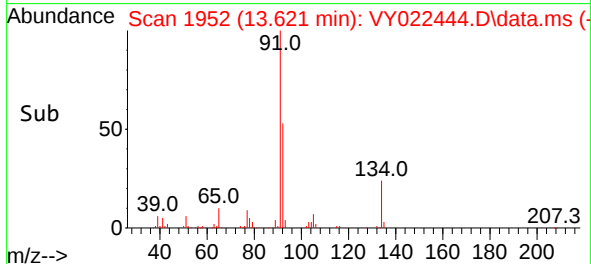
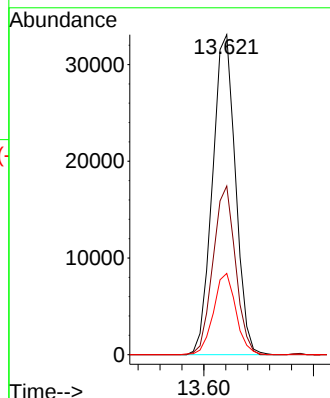
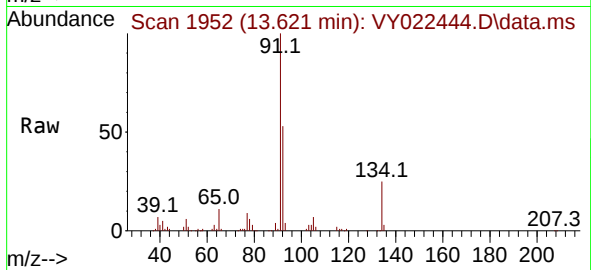
LOQ-SOIL-02-QT2-2025

Tgt Ion:	91	Resp:	4823
Ion Ratio	Lower	Upper	
91	100		
92	51.5	25.9	77.6
134	24.9	12.4	37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#90

Hexachloroethane

Concen: 5.478 ug/l

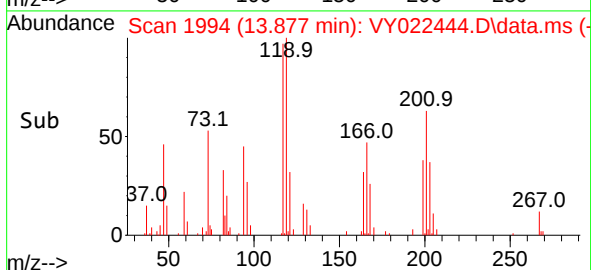
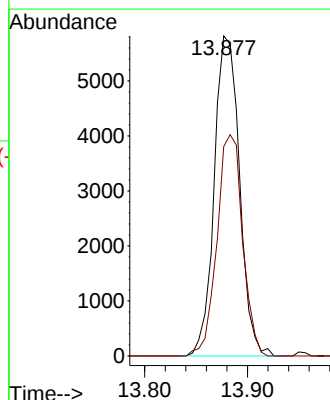
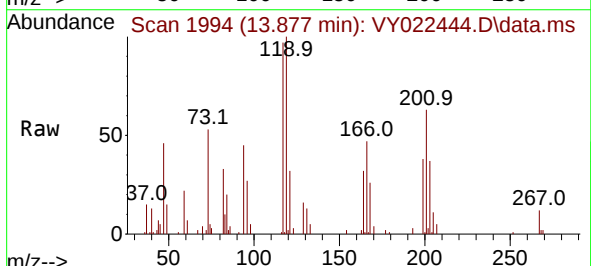
RT: 13.877 min Scan# 1994

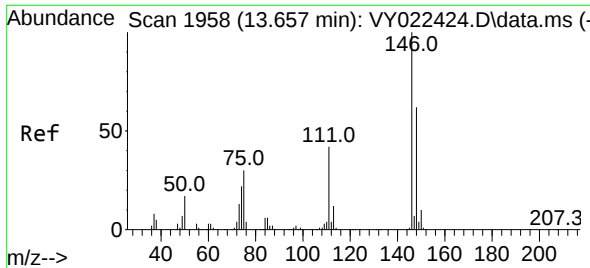
Delta R.T. -0.006 min

Lab File: VY022444.D

Acq: 28 May 2025 11:40

Tgt Ion:	117	Resp:	9924
Ion Ratio	Lower	Upper	
117	100		
201	70.0	35.0	105.0





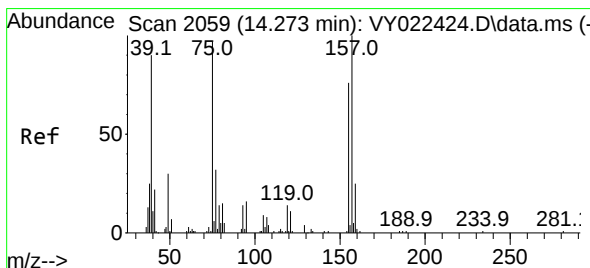
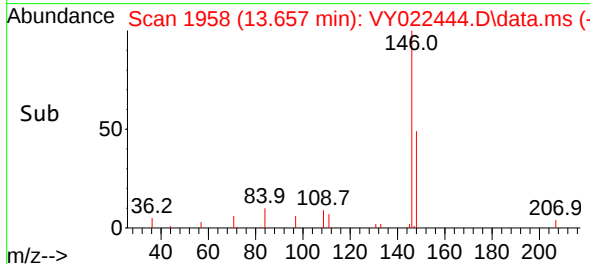
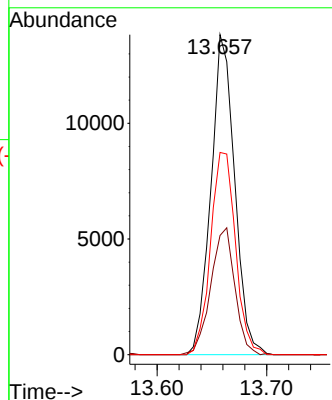
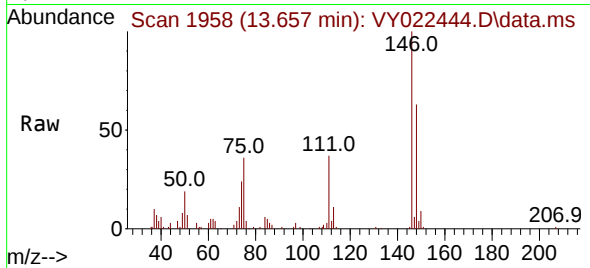
#91
1,2-Dichlorobenzene
Concen: 5.518 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT2-2025

Tgt Ion:	146	Resp:	20784
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.5	61.6
148	66.6	31.9	95.9

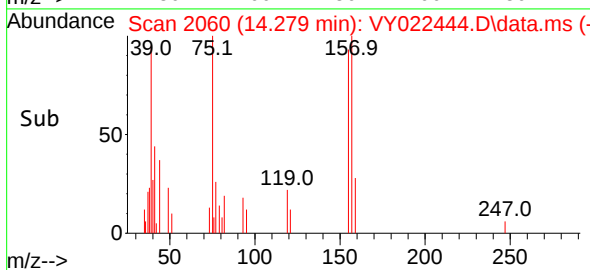
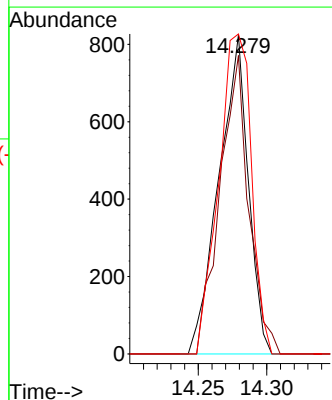
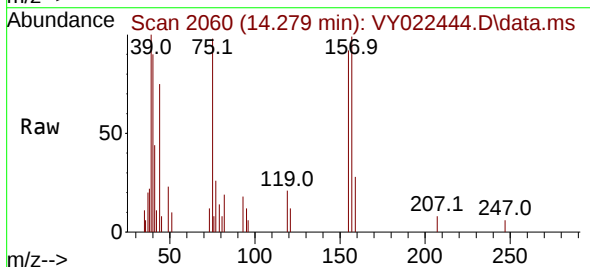
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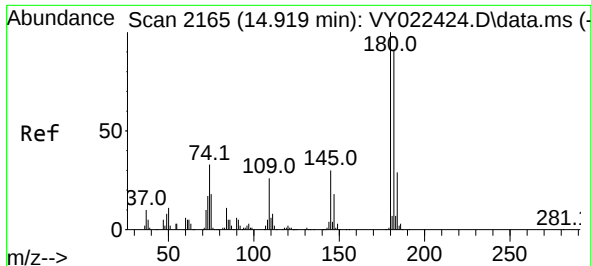
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.844 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

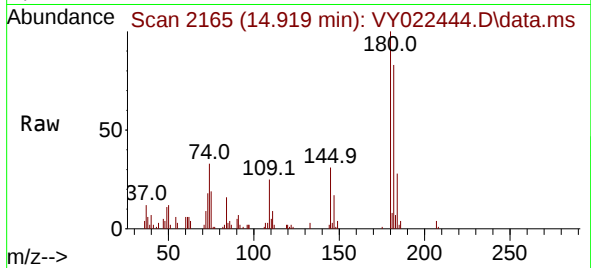
Tgt Ion:	75	Resp:	1228
Ion Ratio	Lower	Upper	
75	100		
155	91.9	42.3	126.8
157	111.9	54.4	163.3





#93
1,2,4-Trichlorobenzene
Concen: 5.674 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

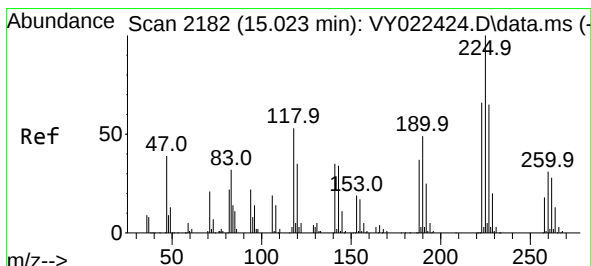
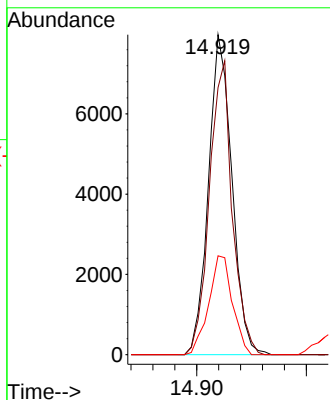
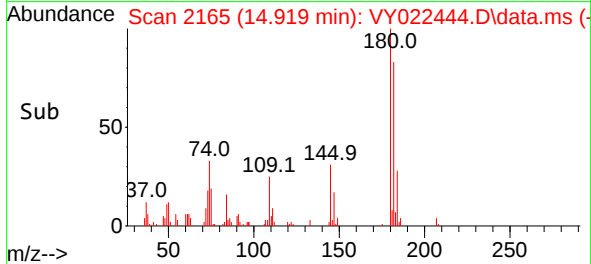
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion:180 Resp: 1184
Ion Ratio Lower Upper
180 100
182 89.6 46.2 138.6
145 31.3 14.2 42.8

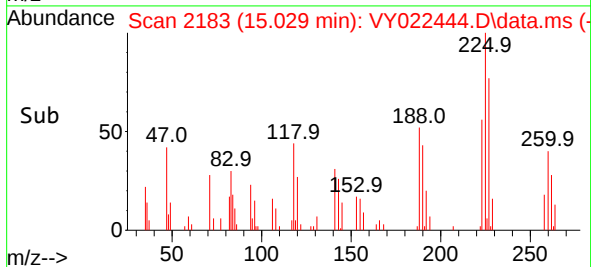
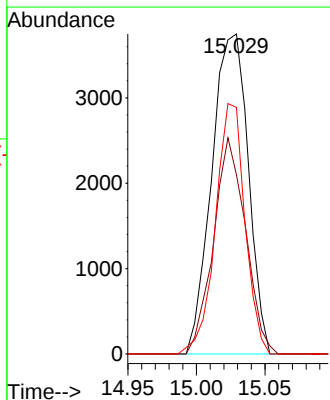
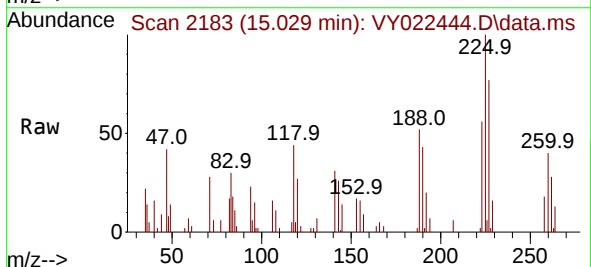
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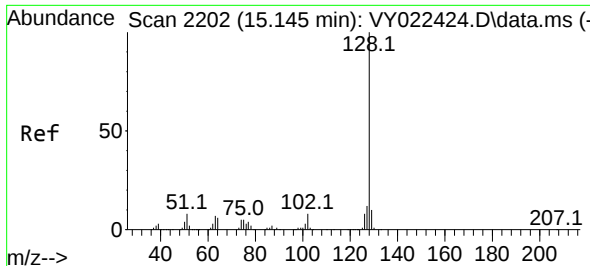
Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#94
Hexachlorobutadiene
Concen: 6.333 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

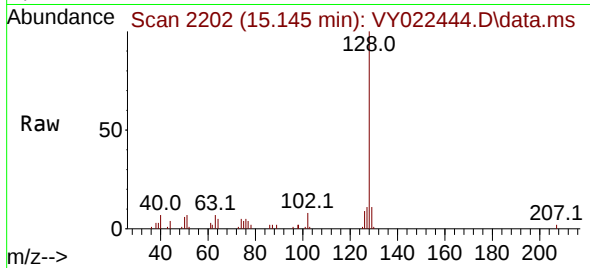
Tgt Ion:225 Resp: 6939
Ion Ratio Lower Upper
225 100
223 59.3 32.6 97.7
227 63.2 33.0 99.0





#95
Naphthalene
Concen: 5.111 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

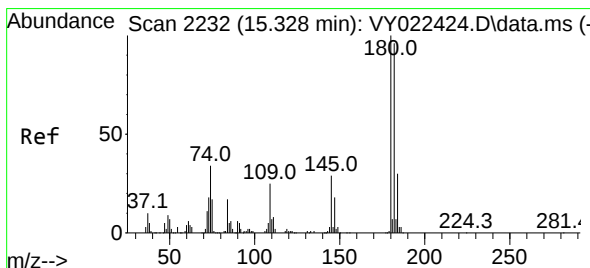
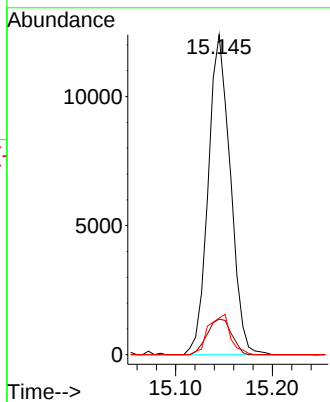
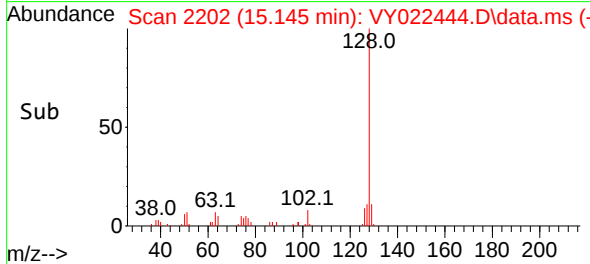
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion:128 Resp: 19728
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 12.6 8.5 12.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/29/2025
Supervised By :Semsettin Yesilyurt 05/29/2025



#96
1,2,3-Trichlorobenzene
Concen: 5.627 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022444.D
Acq: 28 May 2025 11:40

Tgt Ion:180 Resp: 9635
Ion Ratio Lower Upper
180 100
182 100.2 48.1 144.3
145 34.5 14.9 44.5

