

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023672.D
 Acq On : 04 Nov 2025 14:08
 Operator : SY/MD
 Sample : Q3530-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

Quant Time: Nov 05 14:07:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 14:07:49 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/06/2025
 Supervised By :Semsettin Yesilyurt 11/06/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	526276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	824991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	686926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	319281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	230154	51.268	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.540%			
35) Dibromofluoromethane	7.640	113	261113	50.646	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.300%			
50) Toluene-d8	10.109	98	959419	49.957	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.920%			
62) 4-Bromofluorobenzene	12.407	95	288319	46.422	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	8446	2.445	ug/l	94
3) Chloromethane	2.074	50	13077	2.705	ug/l	90
4) Vinyl Chloride	2.208	62	16870	2.682	ug/l	97
5) Bromomethane	2.604	94	17509	3.309	ug/l	92
6) Chloroethane	2.738	64	11439	2.631	ug/l	95
7) Trichlorofluoromethane	3.061	101	24094	2.720	ug/l	93
8) Diethyl Ether	3.452	74	6083	2.560	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.824	101	13896	2.847	ug/l	98
10) Methyl Iodide	4.012	142	13337	2.314	ug/l	98
11) Tert butyl alcohol	4.860	59	4516	15.601	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	12357	2.628	ug/l	96
13) Acrolein	3.653	56	5532	14.869	ug/l	99
14) Allyl chloride	4.390	41	14444	2.524	ug/l	98
15) Acrylonitrile	5.067	53	10812	11.908	ug/l	98
16) Acetone	3.860	43	11579	10.377	ug/l	92
17) Carbon Disulfide	4.110	76	39007	2.703	ug/l	97
18) Methyl Acetate	4.384	43	6107	2.481	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	25959	2.381	ug/l	97
20) Methylene Chloride	4.622	84	19191	3.563	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	14453	2.726	ug/l	88
22) Diisopropyl ether	6.024	45	29215	2.291	ug/l #	83
23) Vinyl Acetate	5.969	43	73803	10.845	ug/l	98
24) 1,1-Dichloroethane	5.921	63	23370	2.751	ug/l	97
25) 2-Butanone	6.902	43	12894	9.994	ug/l #	88
26) 2,2-Dichloropropane	6.884	77	21409	2.739	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	15518	2.563	ug/l	99
28) Bromochloromethane	7.250	49	8585	2.639	ug/l	100
29) Tetrahydrofuran	7.274	42	7445	10.835	ug/l	94
30) Chloroform	7.426	83	24834	2.620	ug/l	97
31) Cyclohexane	7.707	56	25756	3.481	ug/l #	58
32) 1,1,1-Trichloroethane	7.622	97	21592	2.549	ug/l	95
36) 1,1-Dichloropropene	7.841	75	17112	2.484	ug/l	96
37) Ethyl Acetate	6.988	43	5804	2.176	ug/l #	88
38) Carbon Tetrachloride	7.817	117	20830	2.566	ug/l	98
39) Methylcyclohexane	9.109	83	22778	2.588	ug/l	99
40) Benzene	8.085	78	56878	2.619	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	2875m	1.975	ug/l	
42) 1,2-Dichloroethane	8.158	62	13646	2.484	ug/l	99
43) Isopropyl Acetate	8.195	43	10802	2.156	ug/l	99
44) Trichloroethene	8.865	130	16193	2.596	ug/l	97
45) 1,2-Dichloropropane	9.146	63	11297	2.357	ug/l	95
46) Dibromomethane	9.237	93	7172	2.415	ug/l	97
47) Bromodichloromethane	9.426	83	17787	2.376	ug/l	98
48) Methyl methacrylate	9.225	41	4896m	2.068	ug/l	
49) 1,4-Dioxane	9.225	88	1169	38.467	ug/l #	79
51) 4-Methyl-2-Pentanone	9.999	43	24834	9.319	ug/l	96
52) Toluene	10.170	92	35896	2.589	ug/l	97
53) t-1,3-Dichloropropene	10.395	75	14530	2.294	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	16286	2.146	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	9470	2.386	ug/l	95
56) Ethyl methacrylate	10.444	69	8442	1.931	ug/l #	92
57) 1,3-Dichloropropane	10.719	76	14684	2.333	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.713	63	14905	7.429	ug/l	99
59) 2-Hexanone	10.767	43	16619	8.548	ug/l	93
60) Dibromochloromethane	10.914	129	12807	2.349	ug/l	99
61) 1,2-Dibromoethane	11.017	107	8394	2.254	ug/l	100
64) Tetrachloroethene	10.645	164	19662	2.750	ug/l	98
65) Chlorobenzene	11.444	112	40497	2.708	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	13569	2.566	ug/l	94
67) Ethyl Benzene	11.523	91	60406	2.496	ug/l	97
68) m/p-Xylenes	11.633	106	46674	4.827	ug/l	96
69) o-Xylene	11.956	106	20554	2.299	ug/l	99
70) Styrene	11.968	104	31469	2.134	ug/l	100
71) Bromoform	12.133	173	7655	2.479	ug/l #	98
73) Isopropylbenzene	12.255	105	53412	2.501	ug/l	99
74) N-amyl acetate	12.072	43	6989	1.933	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	9188	2.694	ug/l	94
76) 1,2,3-Trichloropropane	12.560	75	7502m	2.903	ug/l	
77) Bromobenzene	12.535	156	16367	2.955	ug/l	97
78) n-propylbenzene	12.596	91	69211	2.755	ug/l	99
79) 2-Chlorotoluene	12.682	91	40937	2.809	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	44826	2.584	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	2551m	2.231	ug/l	
82) 4-Chlorotoluene	12.779	91	41870	2.785	ug/l	99
83) tert-Butylbenzene	12.999	119	41694	2.639	ug/l	96
84) 1,2,4-Trimethylbenzene	13.041	105	40811	2.375	ug/l	97
85) sec-Butylbenzene	13.175	105	61774	2.710	ug/l	100
86) p-Isopropyltoluene	13.291	119	47412	2.457	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	31938	2.930	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	33320	3.111	ug/l	91
89) n-Butylbenzene	13.614	91	45267	2.698	ug/l	97
90) Hexachloroethane	13.877	117	12742	3.073	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	28174	2.999	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1447	2.756	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	15491	2.883	ug/l	97
94) Hexachlorobutadiene	15.017	225	12054	3.423	ug/l	99
95) Naphthalene	15.145	128	20610	2.567	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	13418	2.988	ug/l	100

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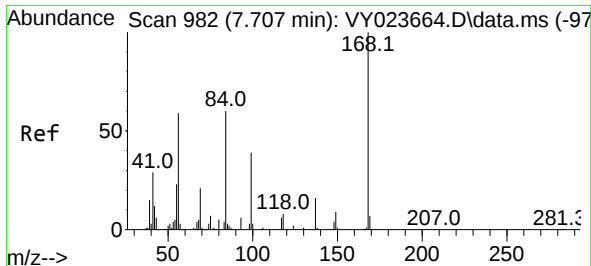
Manual Integrations
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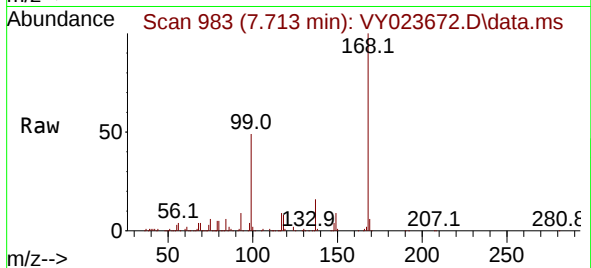
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023672.D
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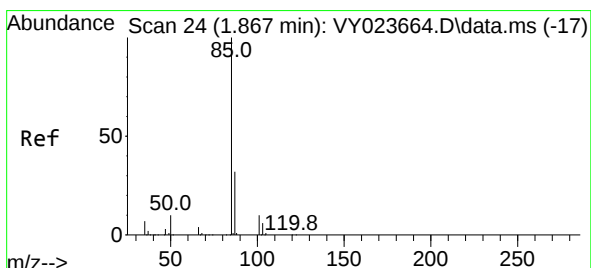
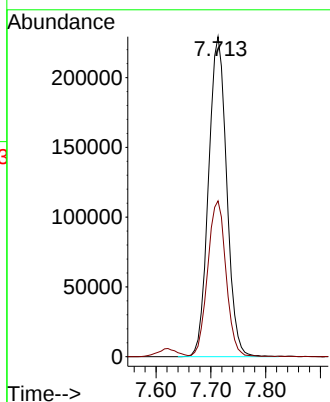
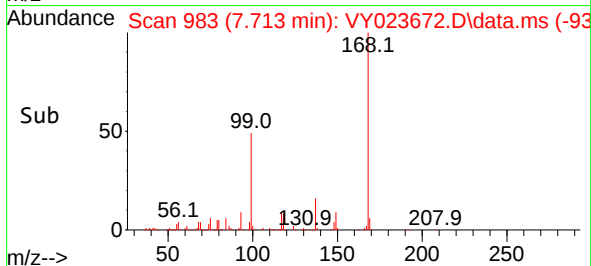
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MSVOA_Y
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LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:168 Resp: 526270
Ion Ratio Lower Upper
168 100
99 48.6 41.0 61.4

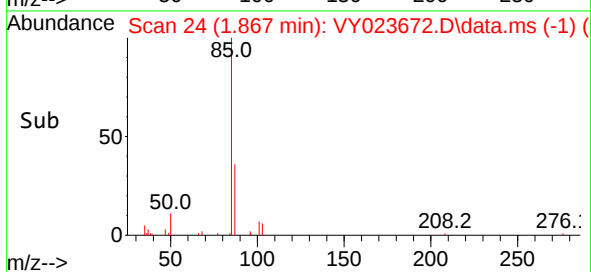
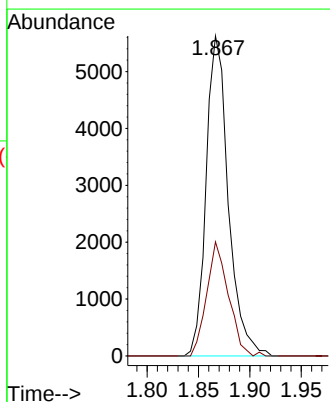
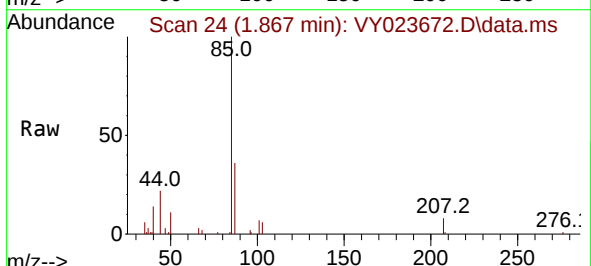
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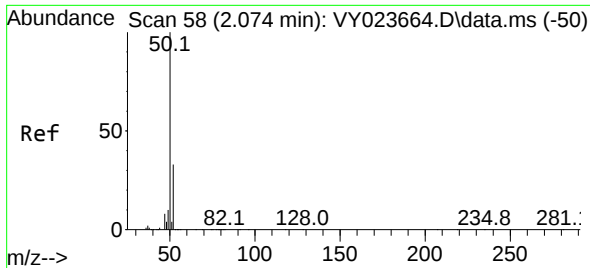
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#2
Dichlorodifluoromethane
Concen: 2.445 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

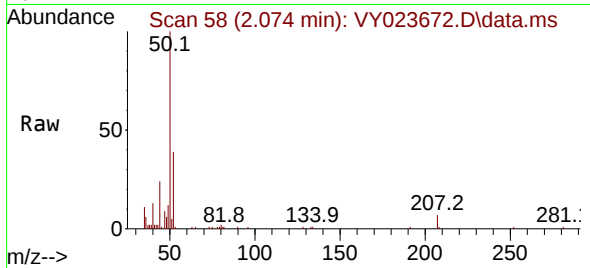
Tgt Ion: 85 Resp: 8446
Ion Ratio Lower Upper
85 100
87 35.6 16.2 48.6





#3
Chloromethane
Concen: 2.705 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

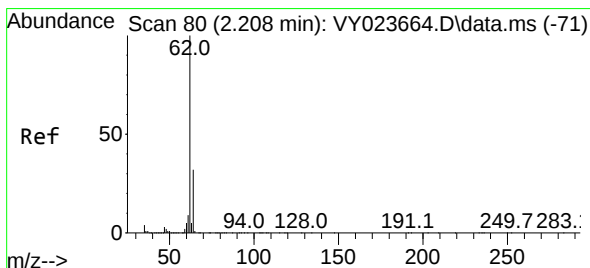
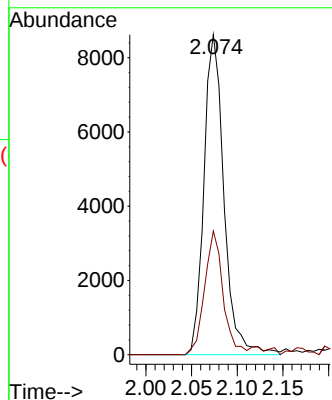
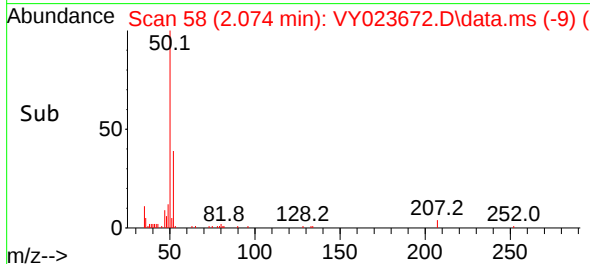
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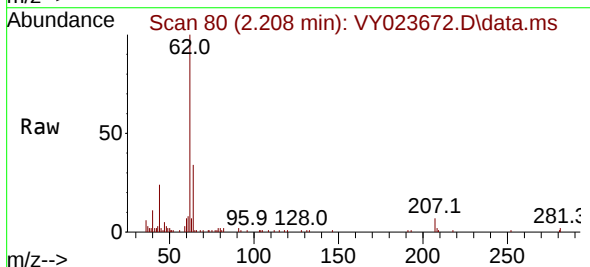
Tgt Ion: 50 Resp: 1307
Ion Ratio Lower Upper
50 100
52 38.6 26.5 39.7

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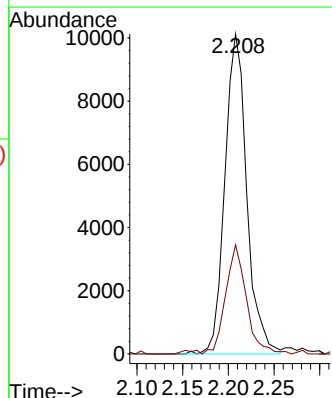
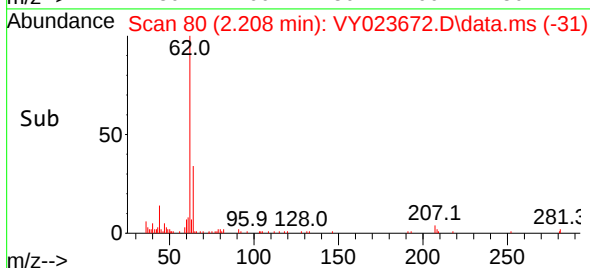
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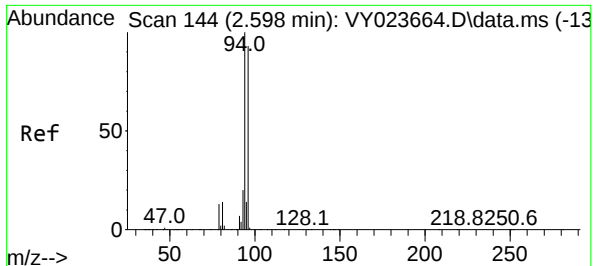


#4
Vinyl Chloride
Concen: 2.682 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



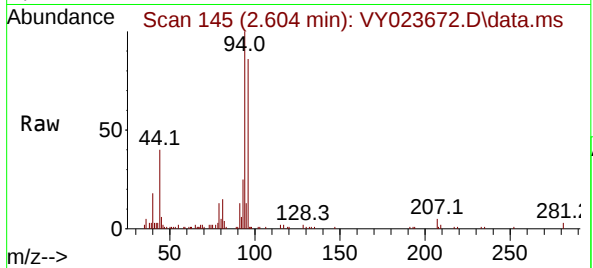
Tgt Ion: 62 Resp: 16870
Ion Ratio Lower Upper
62 100
64 33.6 25.7 38.5





#5
Bromomethane
Concen: 3.309 ug/l
RT: 2.604 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

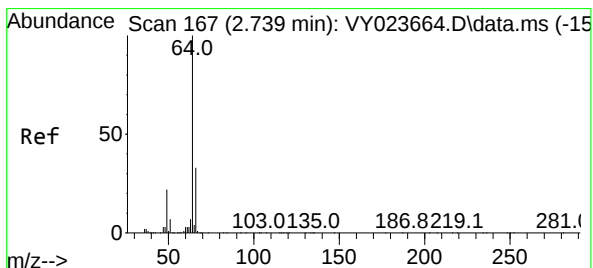
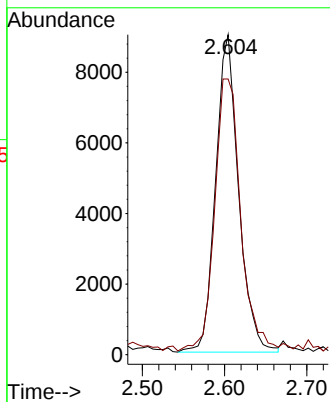
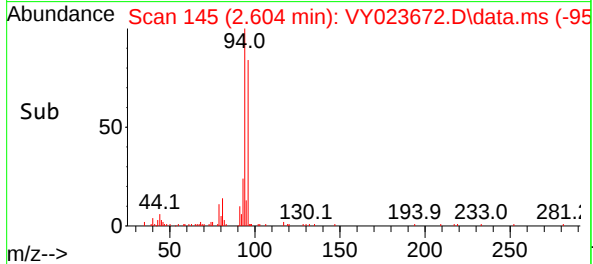
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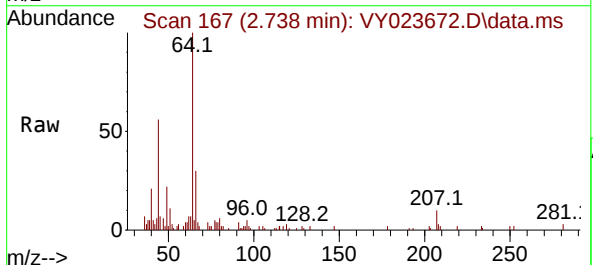
Tgt Ion: 94 Resp: 17509
Ion Ratio Lower Upper
94 100
96 85.7 74.4 111.6

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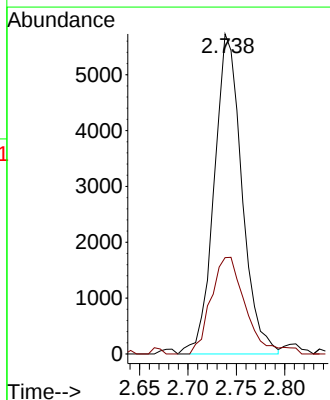
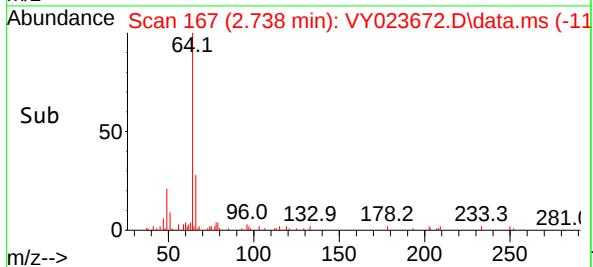
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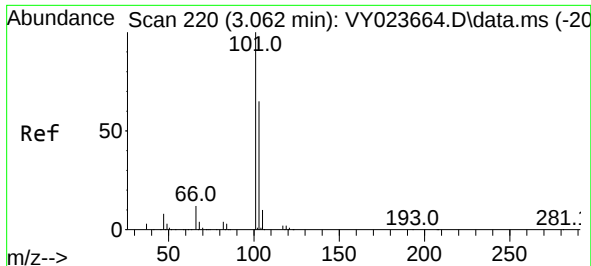


#6
Chloroethane
Concen: 2.631 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
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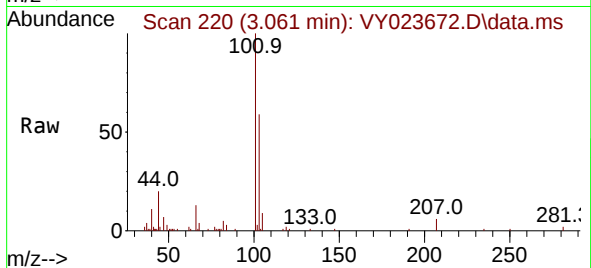
Tgt Ion: 64 Resp: 11439
Ion Ratio Lower Upper
64 100
66 30.1 26.2 39.4





#7
Trichlorofluoromethane
Concen: 2.720 ug/l
RT: 3.061 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY023672.D
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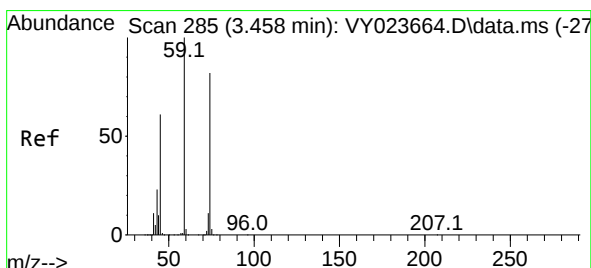
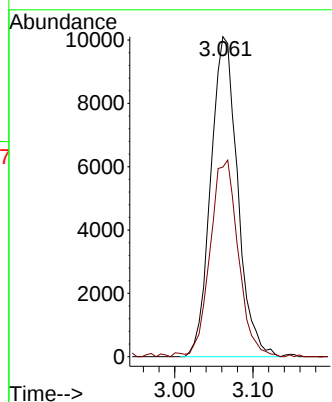
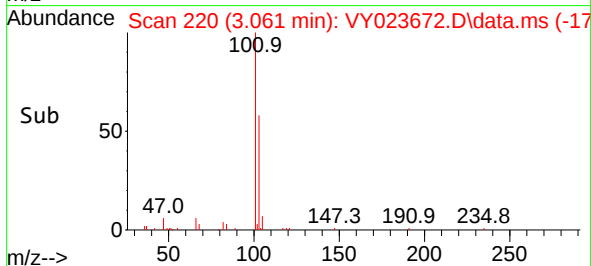
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Tgt Ion:101 Resp: 24094
Ion Ratio Lower Upper
101 100
103 59.3 52.1 78.1

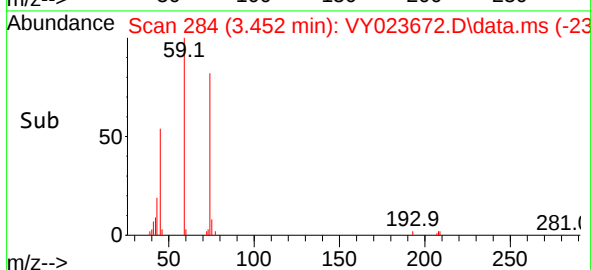
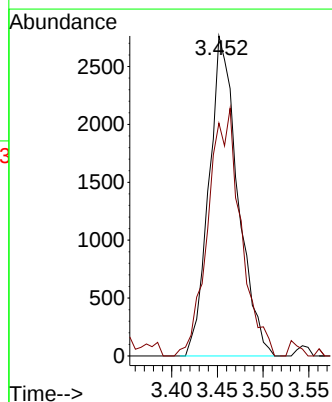
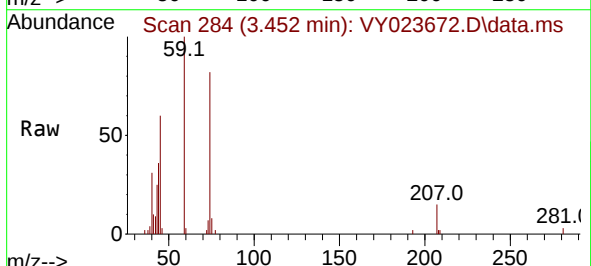
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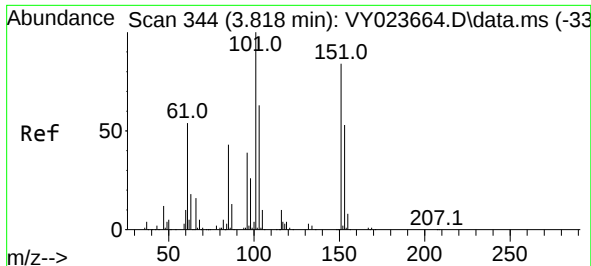
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#8
Diethyl Ether
Concen: 2.560 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

Tgt Ion: 74 Resp: 6083
Ion Ratio Lower Upper
74 100
45 87.3 40.6 121.7





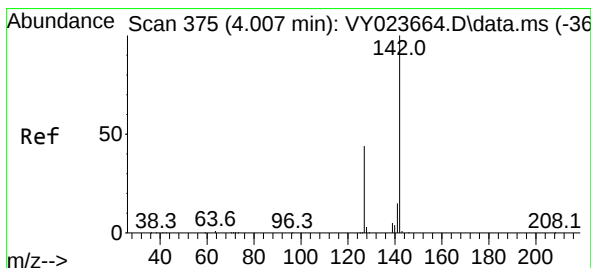
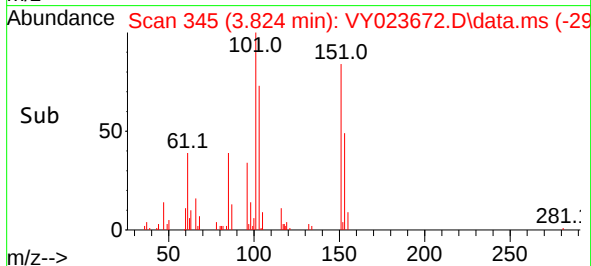
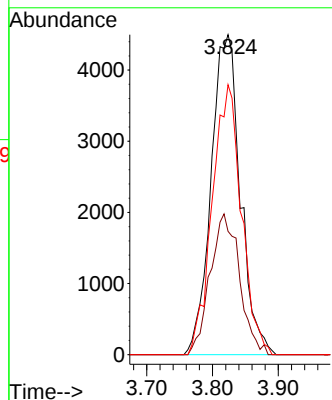
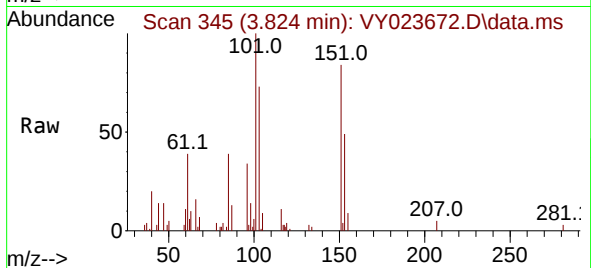
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.847 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:101 Resp: 13890
Ion Ratio Lower Upper
101 100
85 44.2 34.4 51.6
151 84.3 65.6 98.4

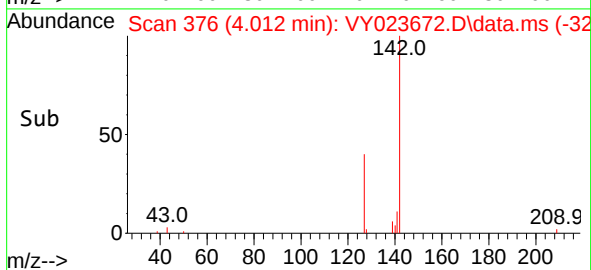
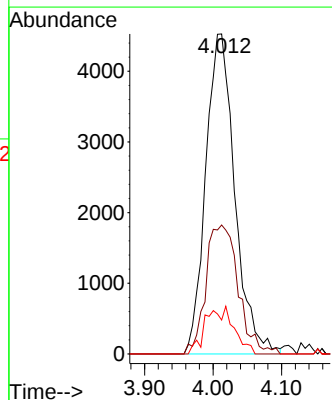
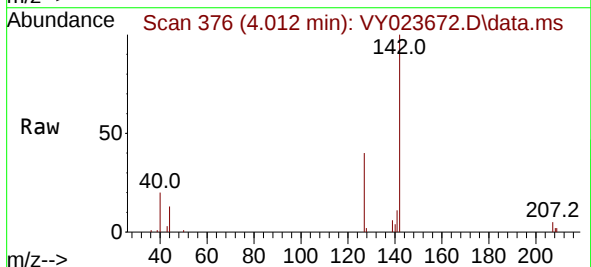
Manual Integrations
APPROVED

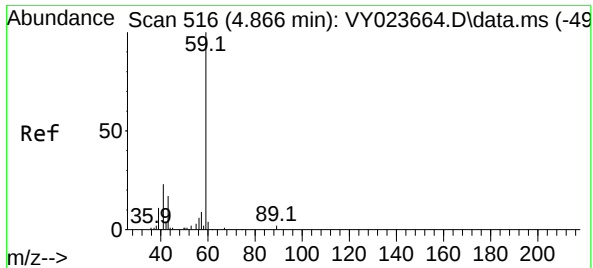
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#10
Methyl Iodide
Concen: 2.314 ug/l
RT: 4.012 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

Tgt Ion:142 Resp: 13337
Ion Ratio Lower Upper
142 100
127 44.9 34.6 51.8
141 14.5 11.6 17.4





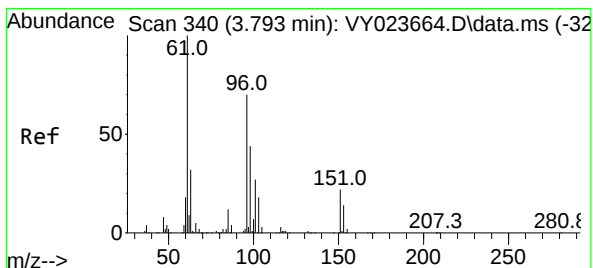
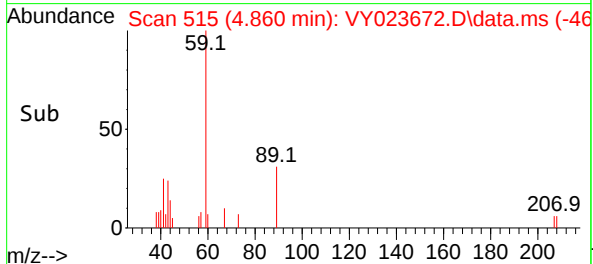
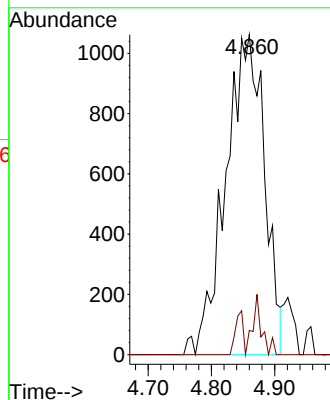
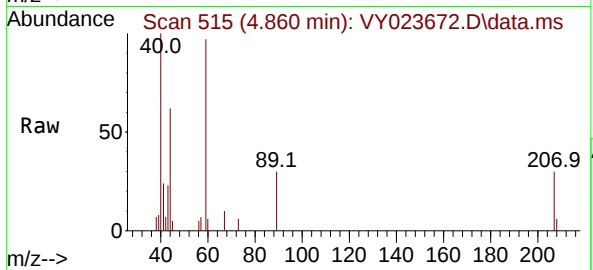
#11
Tert butyl alcohol
Concen: 15.601 ug/l
RT: 4.860 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 59 Resp: 4510
Ion Ratio Lower Upper
59 100
57 4.4 7.4 11.2

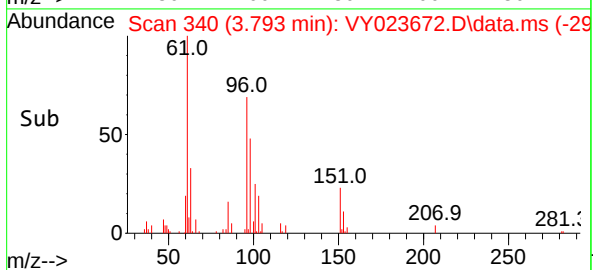
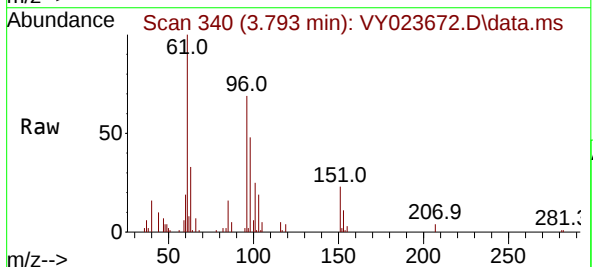
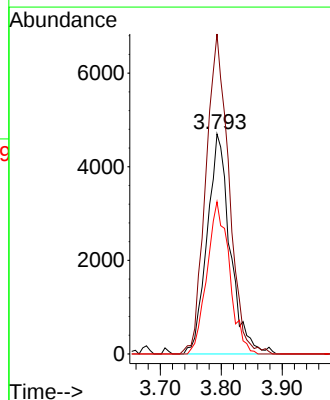
Manual Integrations
APPROVED

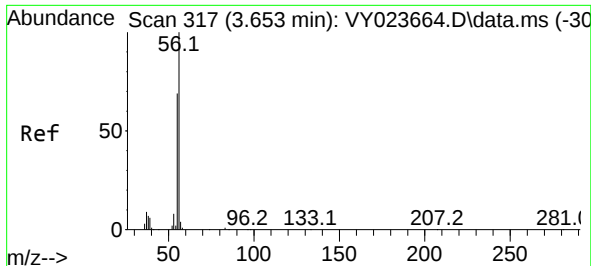
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#12
1,1-Dichloroethene
Concen: 2.628 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

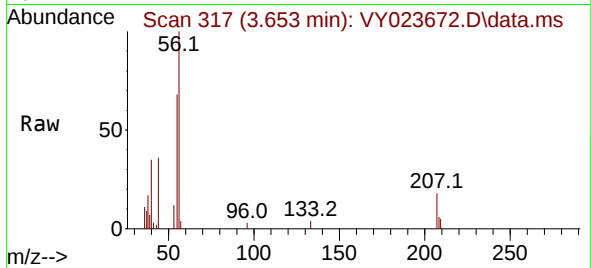
Tgt Ion: 96 Resp: 12357
Ion Ratio Lower Upper
96 100
61 145.5 114.0 171.0
98 69.2 50.2 75.2





#13
Acrolein
Concen: 14.869 ug/l
RT: 3.653 min Scan# 317
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

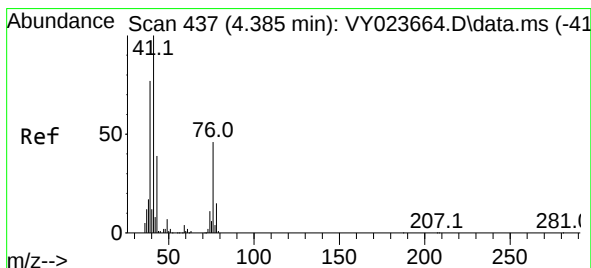
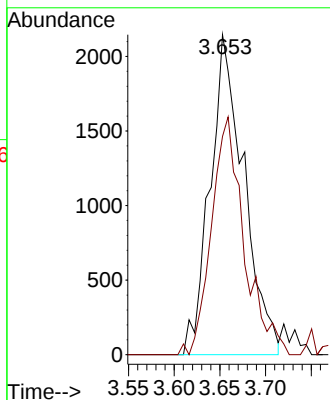
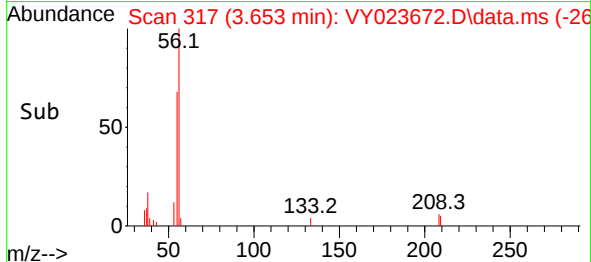
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



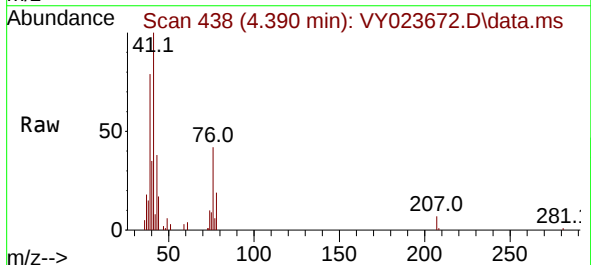
Tgt Ion: 56 Resp: 553
Ion Ratio Lower Upper
56 100
55 71.6 56.6 84.8

Manual Integrations
APPROVED

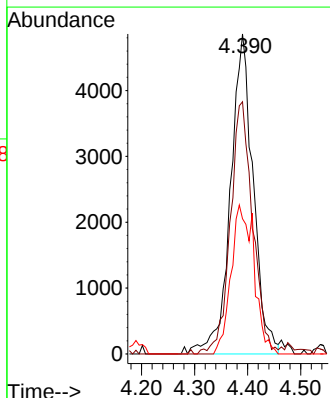
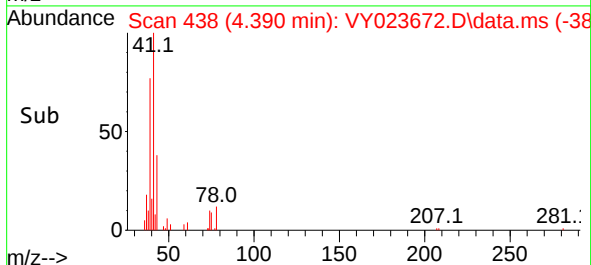
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

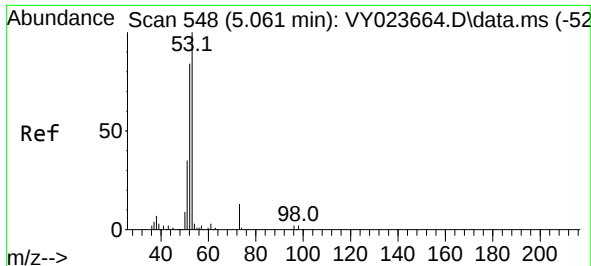


#14
Allyl chloride
Concen: 2.524 ug/l
RT: 4.390 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



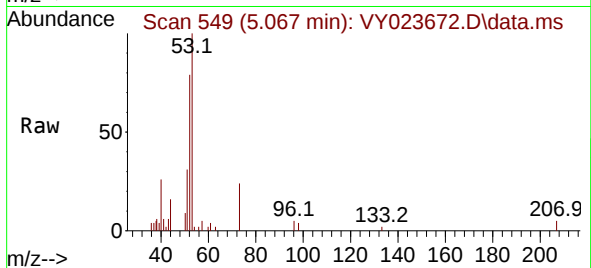
Tgt Ion: 41 Resp: 14444
Ion Ratio Lower Upper
41 100
39 77.5 60.4 90.6
76 47.2 38.0 57.0





#15
Acrylonitrile
Concen: 11.908 ug/l
RT: 5.067 min Scan# 548
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

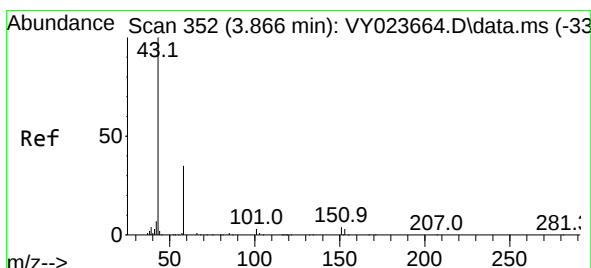
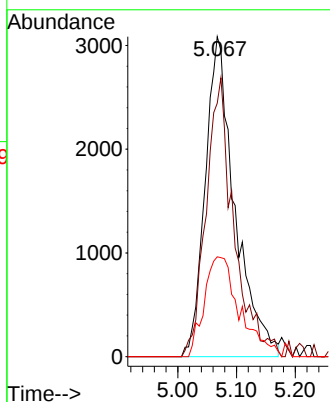
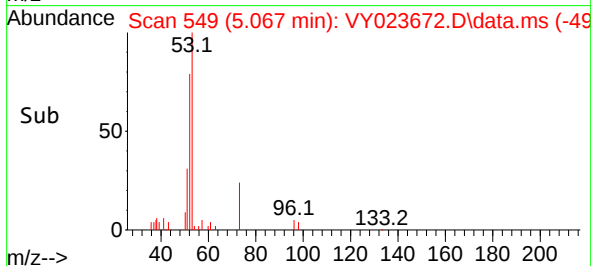
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



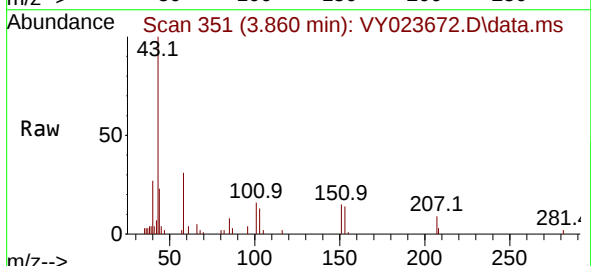
Tgt Ion: 53 Resp: 10812
Ion Ratio Lower Upper
53 100
52 79.4 64.9 97.3
51 37.3 29.4 44.0

Manual Integrations
APPROVED

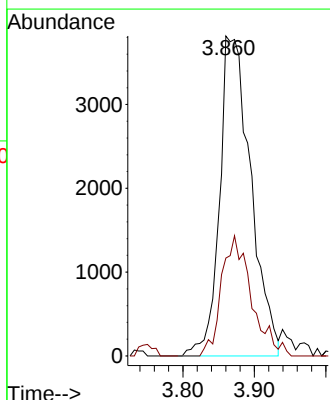
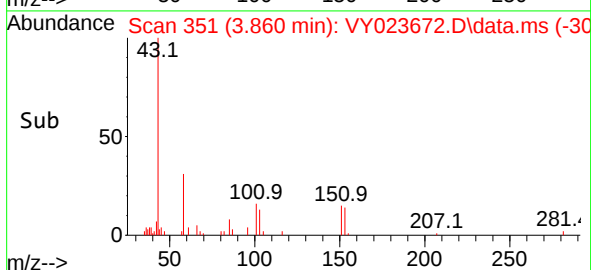
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

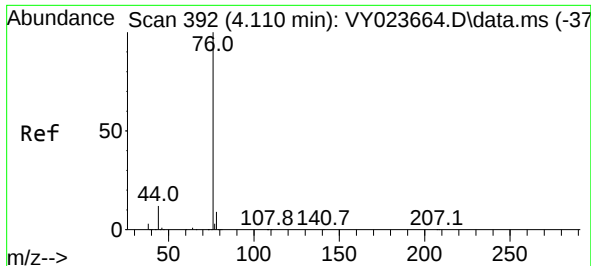


#16
Acetone
Concen: 10.377 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



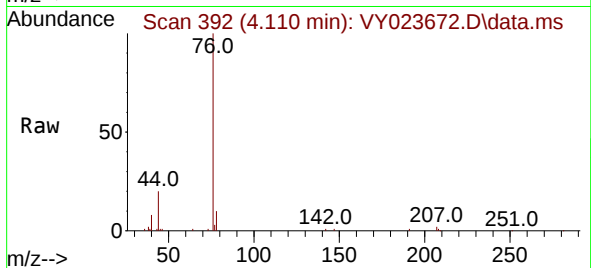
Tgt Ion: 43 Resp: 11579
Ion Ratio Lower Upper
43 100
58 30.6 28.2 42.4





#17
Carbon Disulfide
Concen: 2.703 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

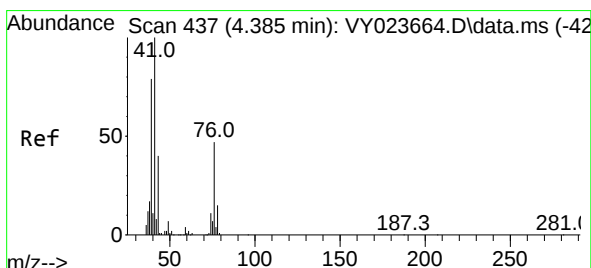
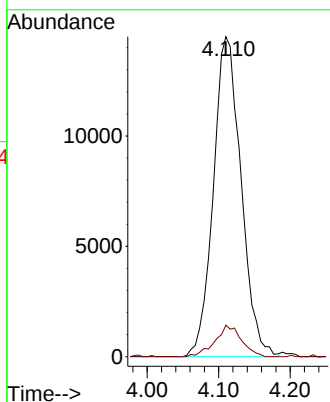
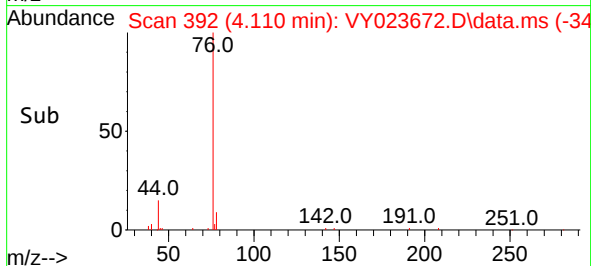
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



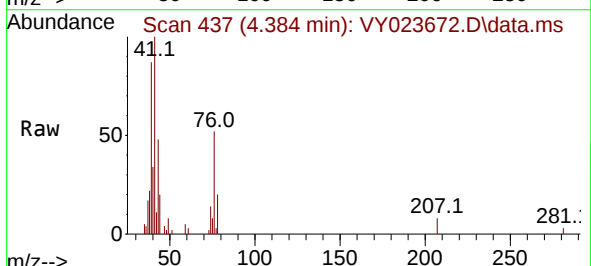
Tgt Ion: 76 Resp: 3900
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7

Manual Integrations
APPROVED

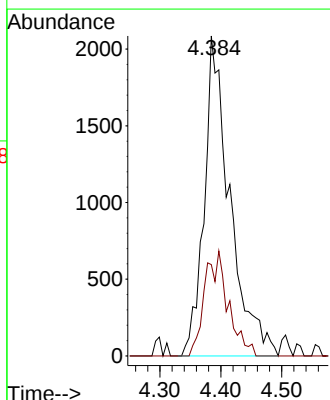
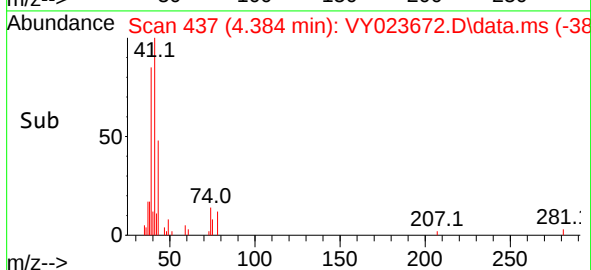
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#18
Methyl Acetate
Concen: 2.481 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



Tgt Ion: 43 Resp: 6107
Ion Ratio Lower Upper
43 100
74 30.1 22.5 33.7





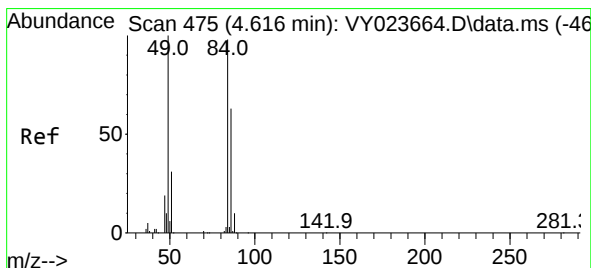
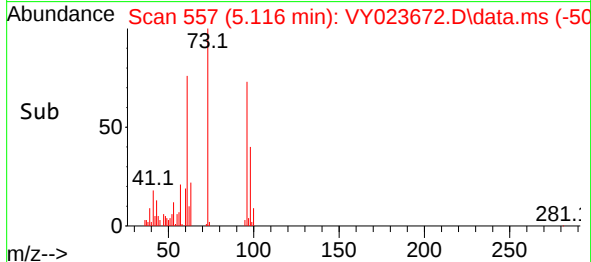
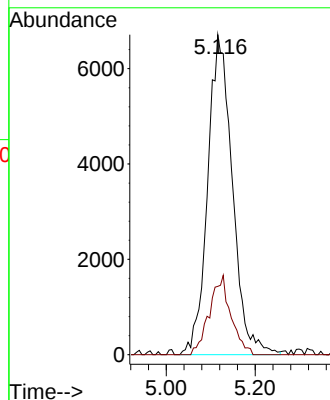
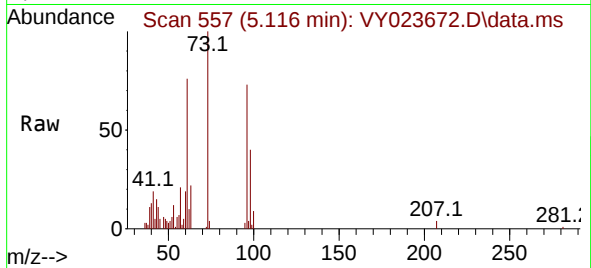
#19
Methyl tert-butyl Ether
Concen: 2.381 ug/l
RT: 5.116 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 73 Resp: 2595
Ion Ratio Lower Upper
73 100
57 21.3 16.1 24.1

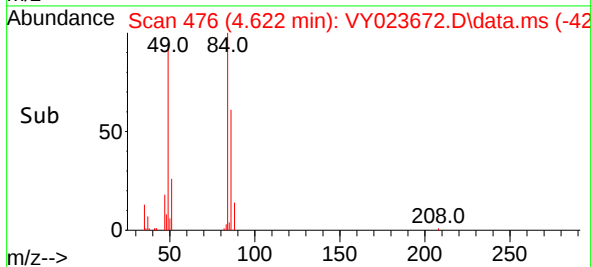
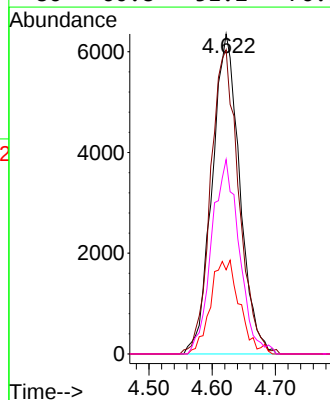
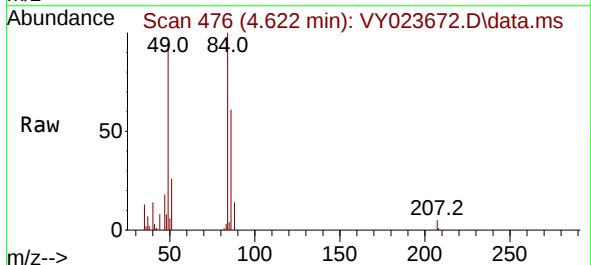
Manual Integrations
APPROVED

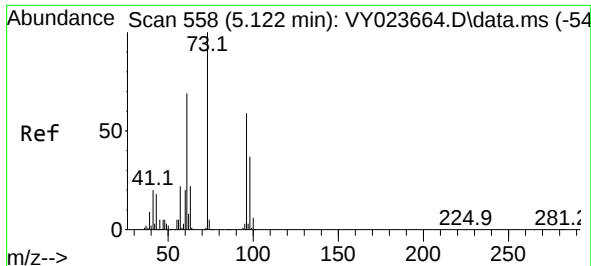
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#20
Methylene Chloride
Concen: 3.563 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

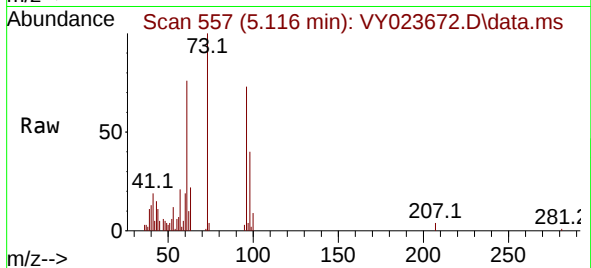
Tgt Ion: 84 Resp: 19191
Ion Ratio Lower Upper
84 100
49 95.0 81.5 122.3
51 26.3 25.5 38.3
86 60.8 51.2 76.8





#21
trans-1,2-Dichloroethene
Concen: 2.726 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

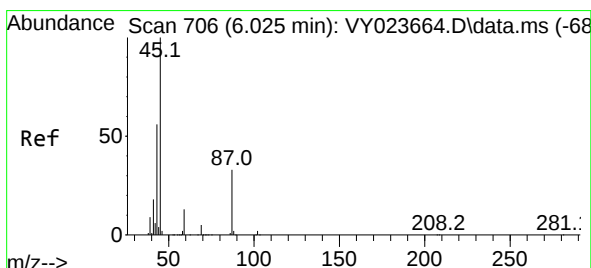
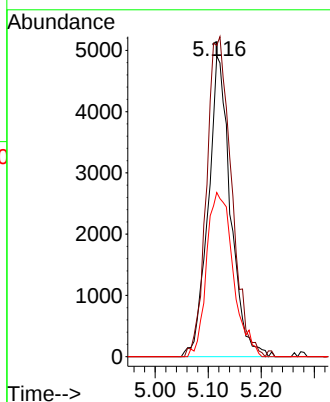
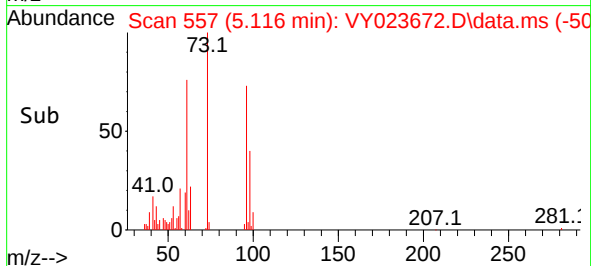
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



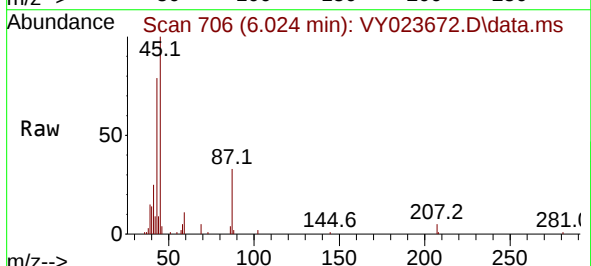
Tgt Ion: 96 Resp: 1445
Ion Ratio Lower Upper
96 100
61 103.5 93.3 139.9
98 54.6 50.6 75.8

Manual Integrations
APPROVED

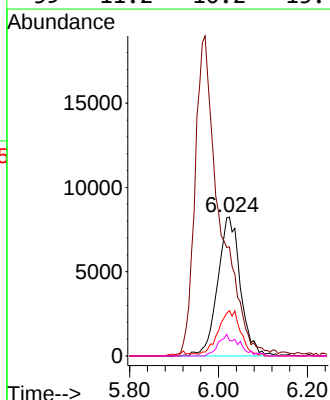
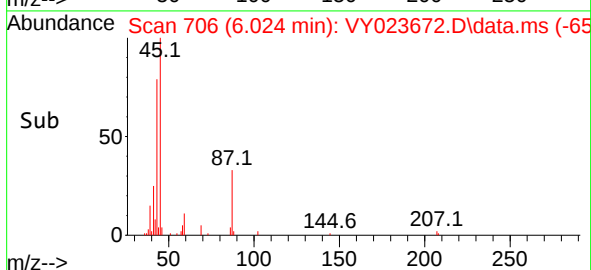
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

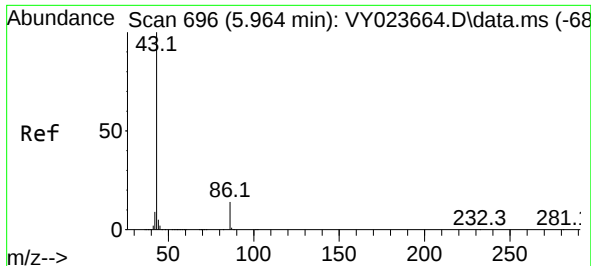


#22
Diisopropyl ether
Concen: 2.291 ug/l
RT: 6.024 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



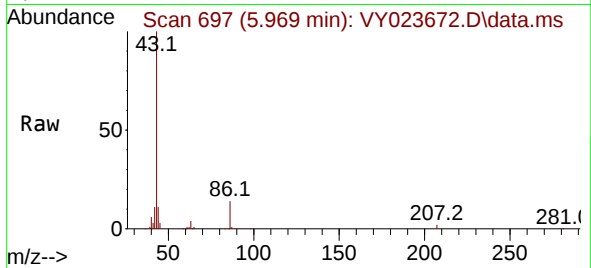
Tgt Ion: 45 Resp: 29215
Ion Ratio Lower Upper
45 100
43 77.1 44.7 67.1#
87 32.6 27.2 40.8
59 11.2 10.2 15.4





#23
Vinyl Acetate
Concen: 10.845 ug/l
RT: 5.969 min Scan# 697
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

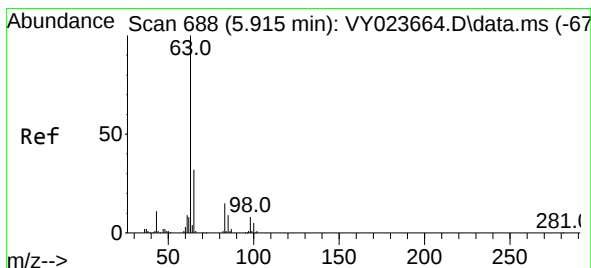
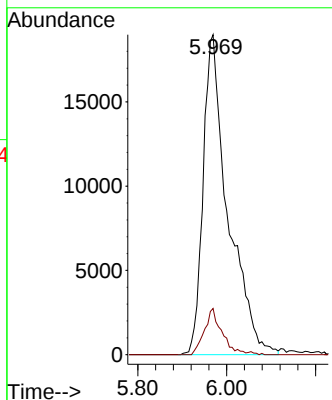
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



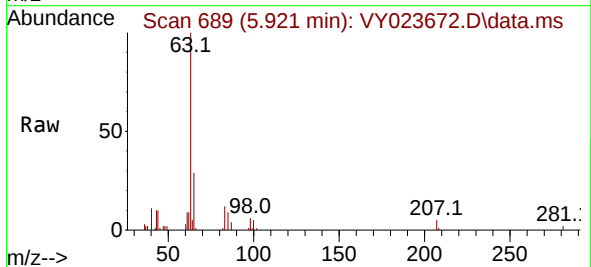
Tgt Ion: 43 Resp: 7380
Ion Ratio Lower Upper
43 100
86 14.5 10.9 16.3

Manual Integrations
APPROVED

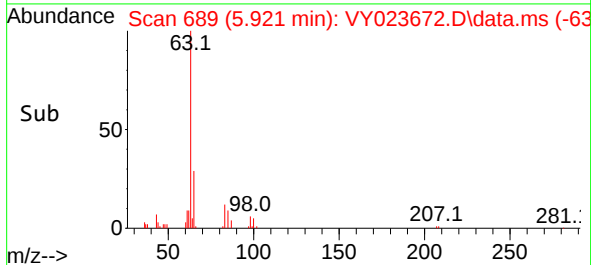
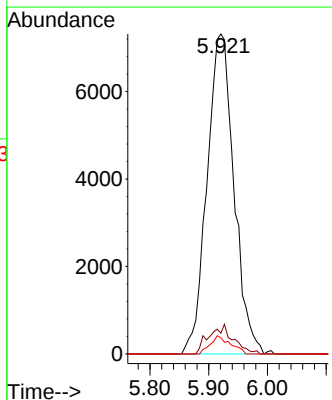
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

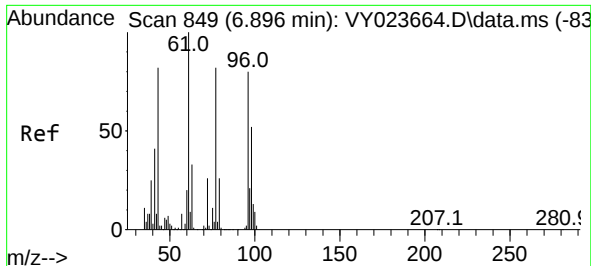


#24
1,1-Dichloroethane
Concen: 2.751 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



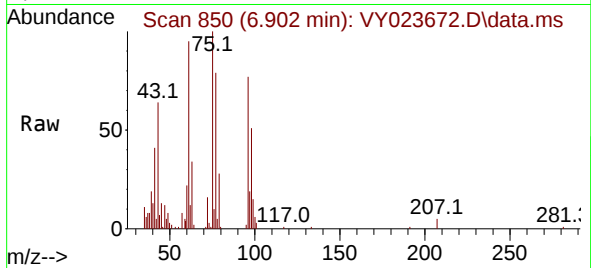
Tgt Ion: 63 Resp: 23370
Ion Ratio Lower Upper
63 100
98 6.5 4.0 11.9
100 5.1 2.6 7.8





#25
2-Butanone
Concen: 9.994 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

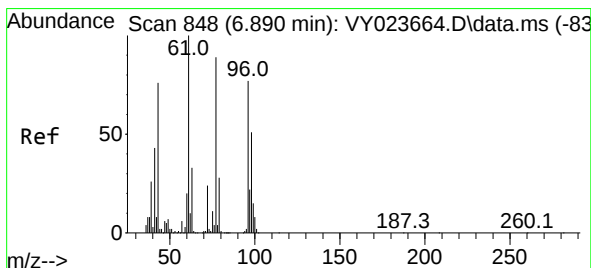
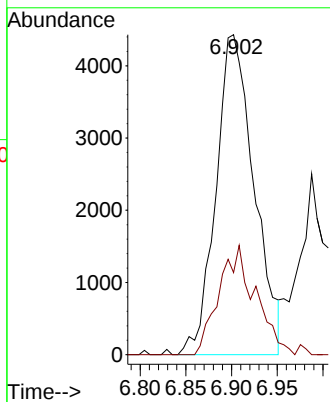
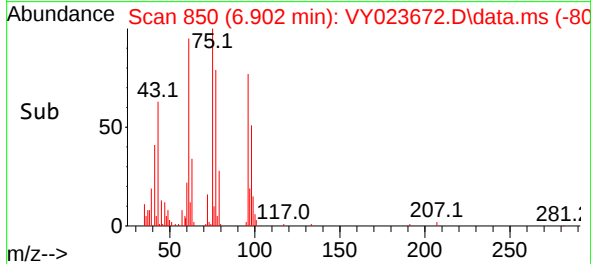
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 43 Resp: 12894
Ion Ratio Lower Upper
43 100
72 25.7 25.7 38.5

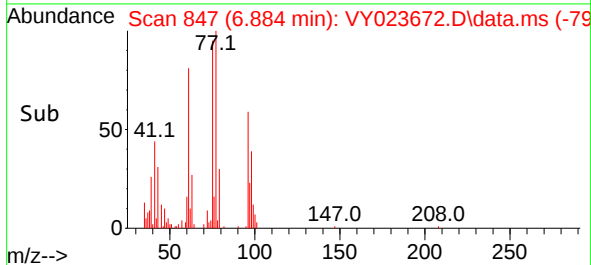
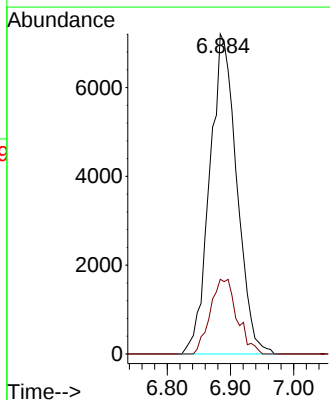
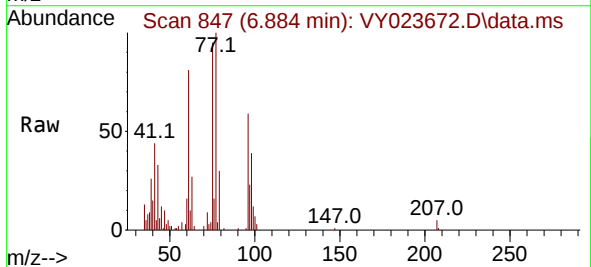
Manual Integrations
APPROVED

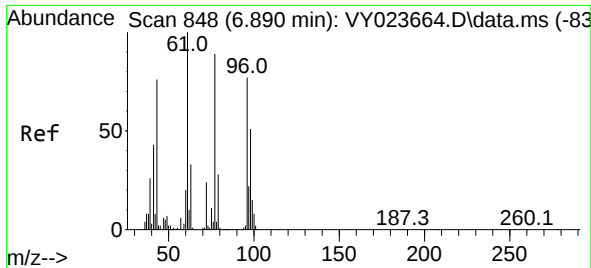
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#26
2,2-Dichloropropane
Concen: 2.739 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

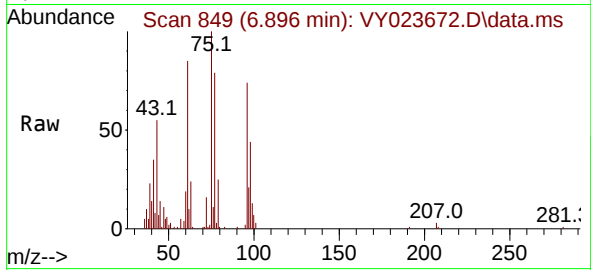
Tgt Ion: 77 Resp: 21409
Ion Ratio Lower Upper
77 100
97 23.2 12.0 36.1





#27
cis-1,2-Dichloroethene
Concen: 2.563 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

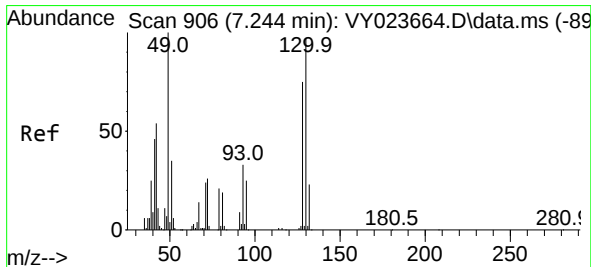
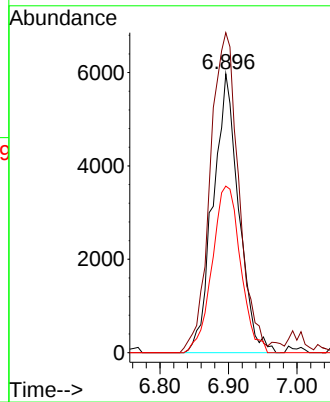
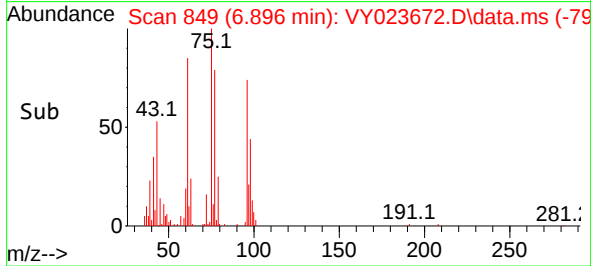
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



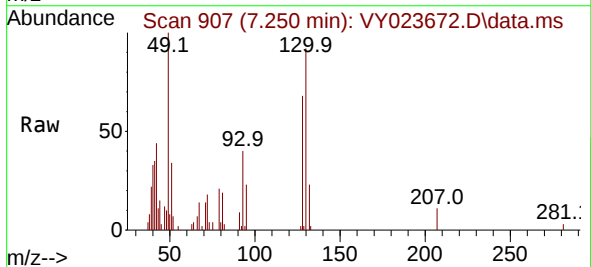
Tgt Ion: 96 Resp: 15518
Ion Ratio Lower Upper
96 100
61 127.6 0.0 255.0
98 66.2 0.0 129.8

Manual Integrations
APPROVED

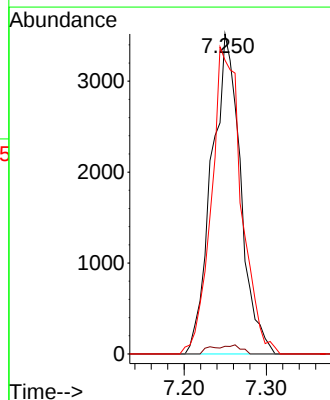
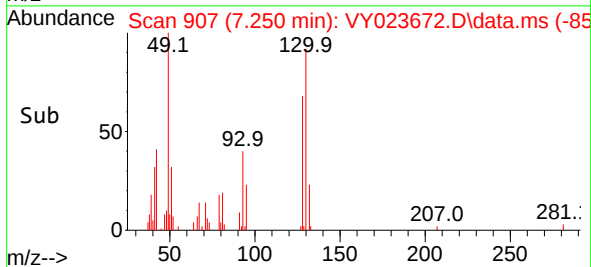
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

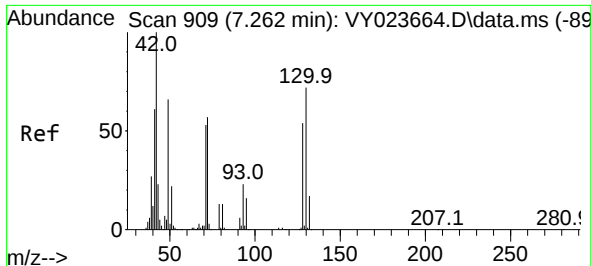


#28
Bromochloromethane
Concen: 2.639 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



Tgt Ion: 49 Resp: 8585
Ion Ratio Lower Upper
49 100
129 1.6 0.0 5.0
130 100.1 80.1 120.1





#29

Tetrahydrofuran

Concen: 10.835 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.012 min

Lab File: VY023672.D

Acq: 04 Nov 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

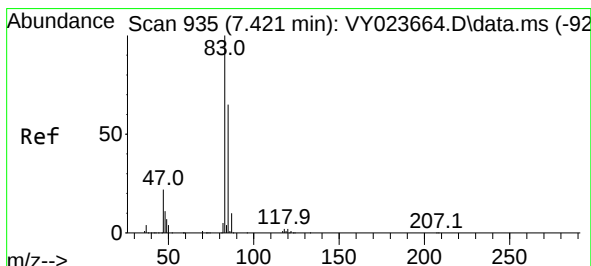
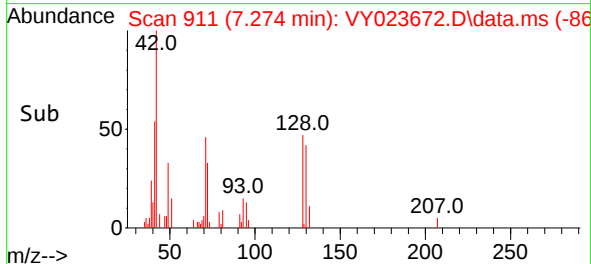
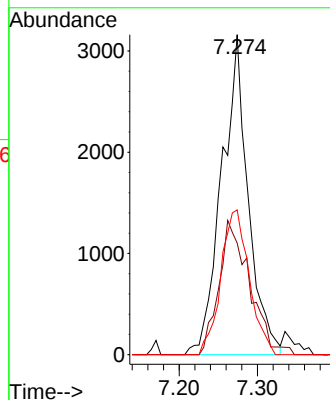
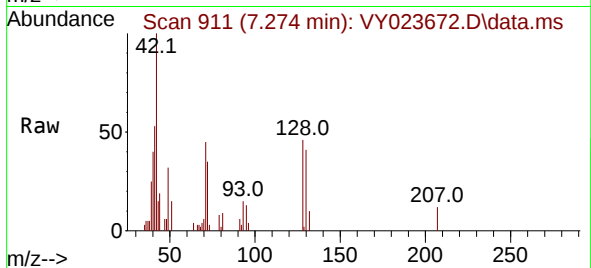
Tgt Ion:	42	Resp:	744
Ion	Ratio	Lower	Upper
42	100		
72	48.6	43.4	65.2
71	48.4	40.7	61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#30

Chloroform

Concen: 2.620 ug/l

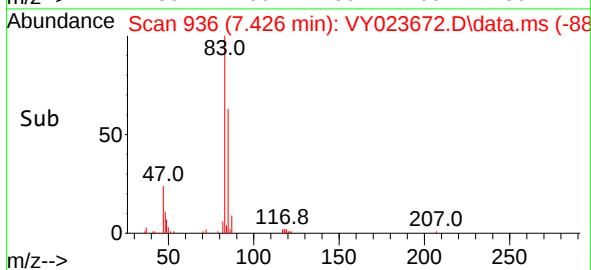
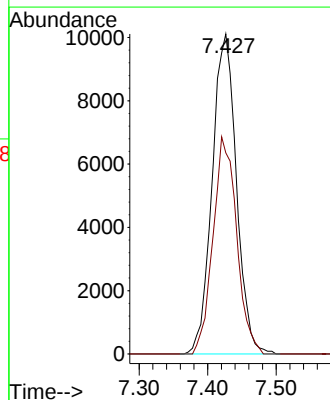
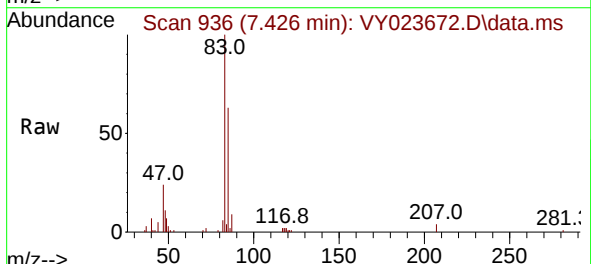
RT: 7.426 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY023672.D

Acq: 04 Nov 2025 14:08

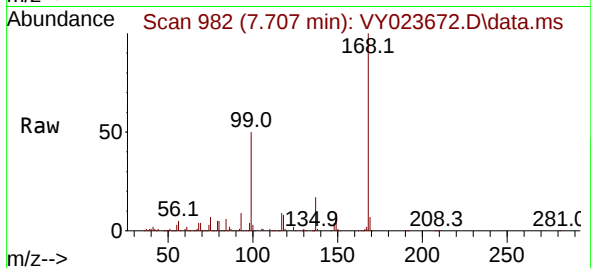
Tgt Ion:	83	Resp:	24834
Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.1	78.1





#31
Cyclohexane
Concen: 3.481 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

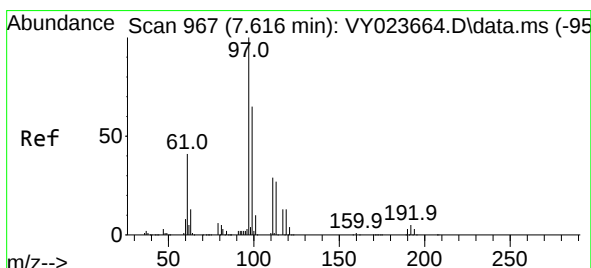
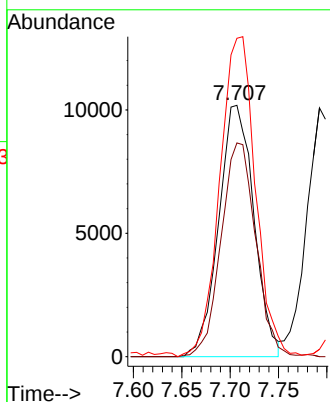
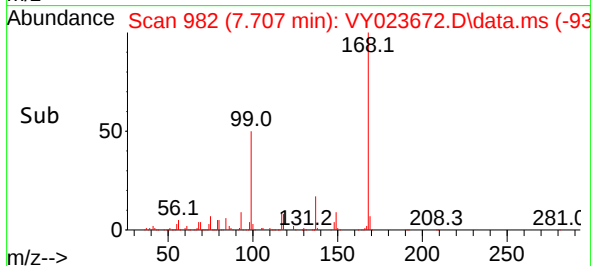
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 56 Resp: 25750
Ion Ratio Lower Upper
56 100
69 85.0 30.5 45.7
84 126.7 79.0 118.4

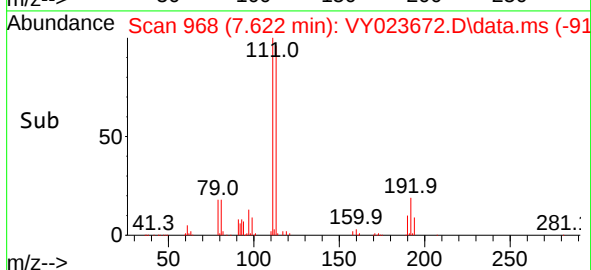
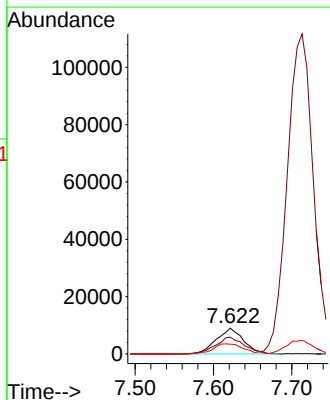
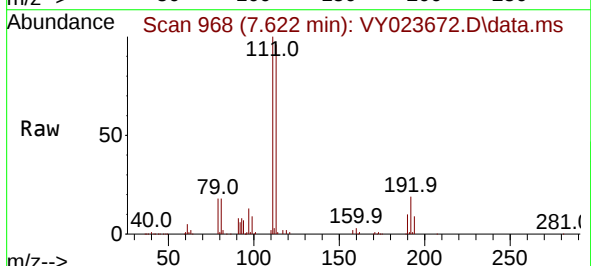
Manual Integrations
APPROVED

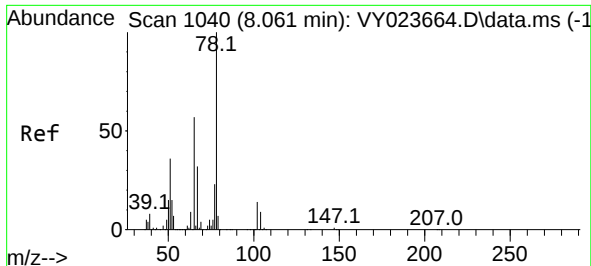
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#32
1,1,1-Trichloroethane
Concen: 2.549 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

Tgt Ion: 97 Resp: 21592
Ion Ratio Lower Upper
97 100
99 67.7 51.5 77.3
61 44.5 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 51.268 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023672.D

Acq: 04 Nov 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 65 Resp: 230154

Ion Ratio Lower Upper

65 100

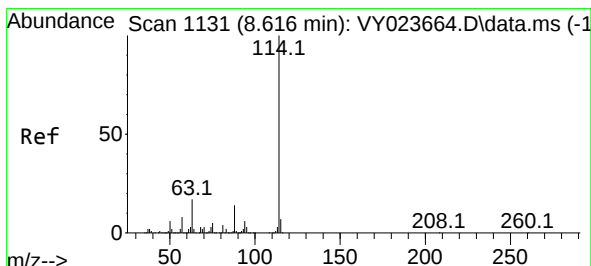
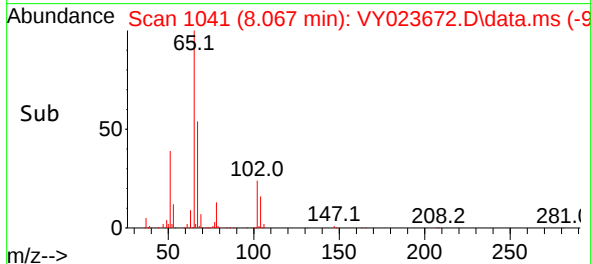
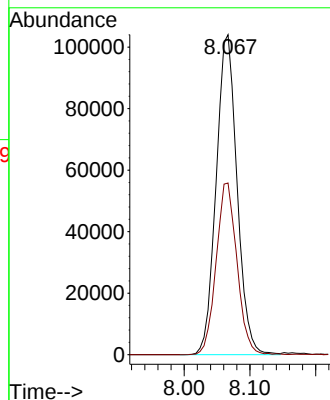
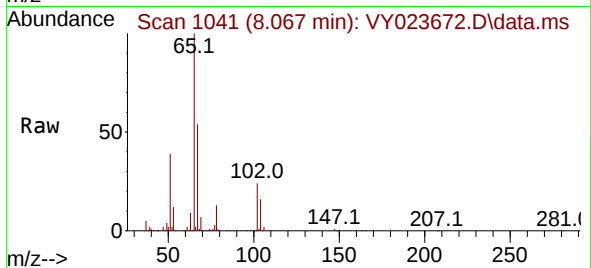
67 53.4 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023672.D

Acq: 04 Nov 2025 14:08

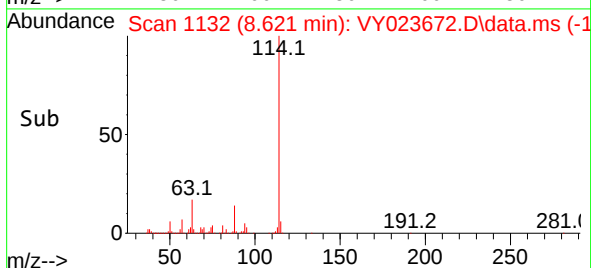
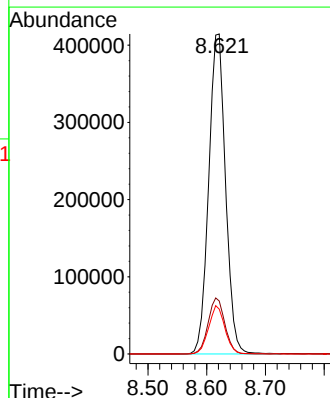
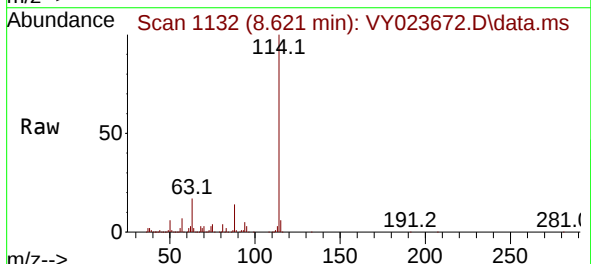
Tgt Ion:114 Resp: 824991

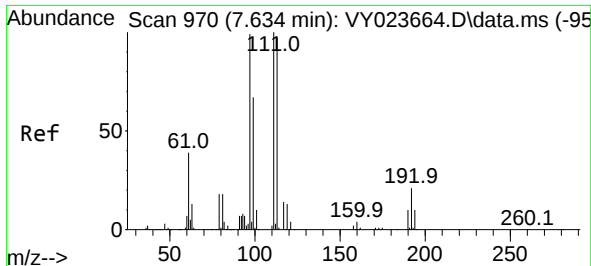
Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.8

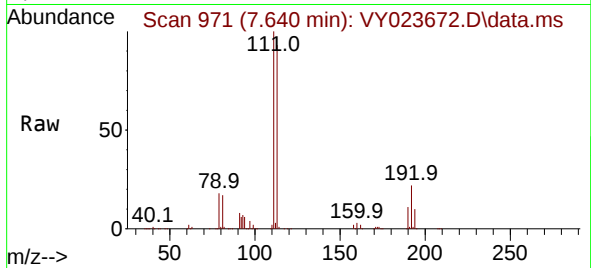
88 14.0 0.0 29.0





#35
Dibromofluoromethane
Concen: 50.646 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

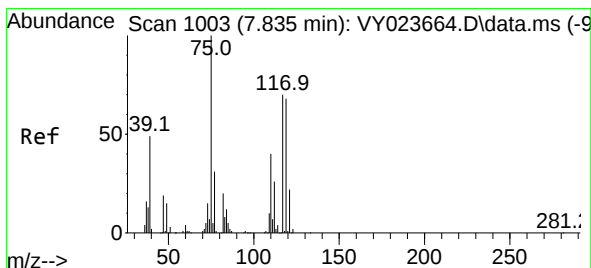
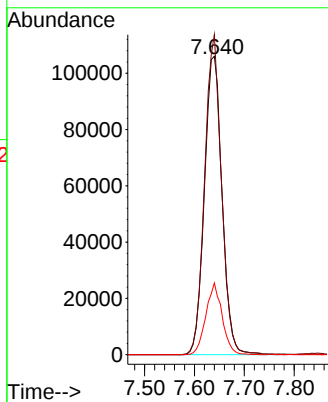
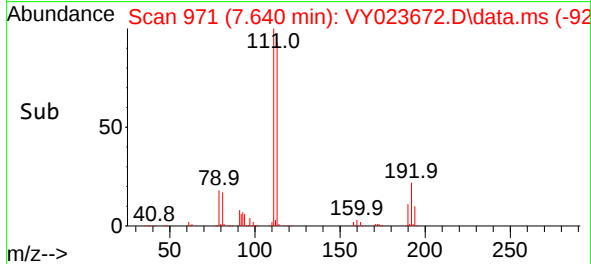
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



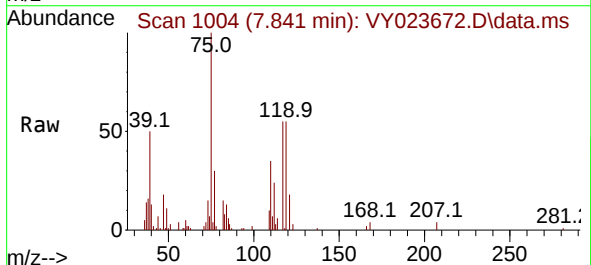
Tgt Ion:113 Resp: 26111
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 22.2 17.3 25.9

Manual Integrations
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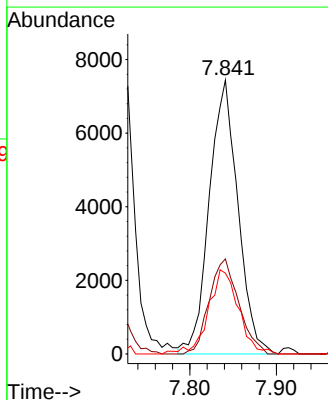
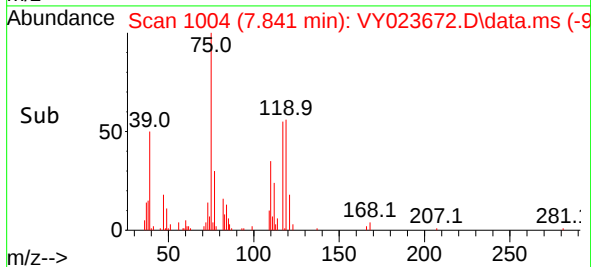
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#36
1,1-Dichloropropene
Concen: 2.484 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



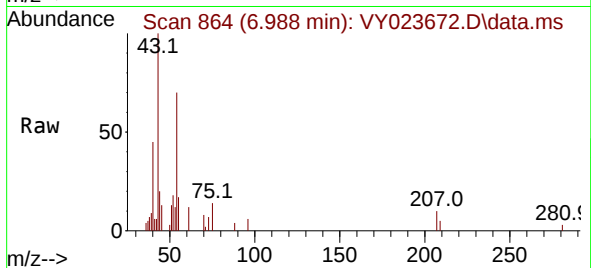
Tgt Ion: 75 Resp: 17112
Ion Ratio Lower Upper
75 100
110 35.7 19.7 59.0
77 32.2 25.2 37.8





#37
Ethyl Acetate
Concen: 2.176 ug/l
RT: 6.988 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

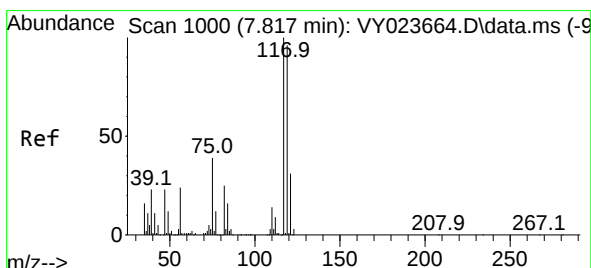
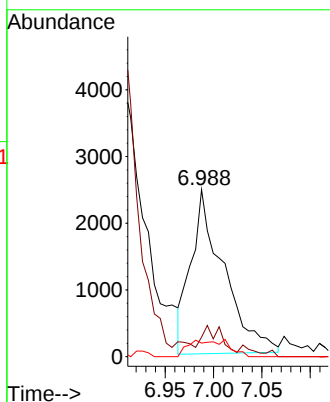
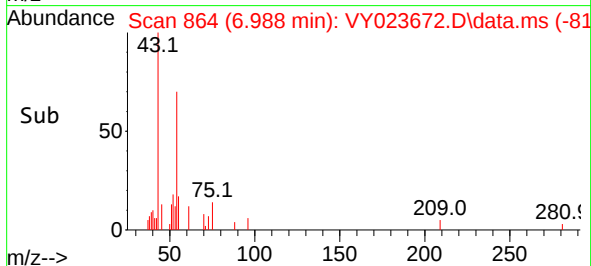
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 43 Resp: 5804
Ion Ratio Lower Upper
43 100
61 11.5 12.4 18.6
70 6.2 9.8 14.8

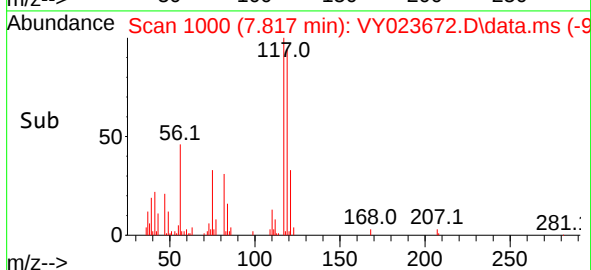
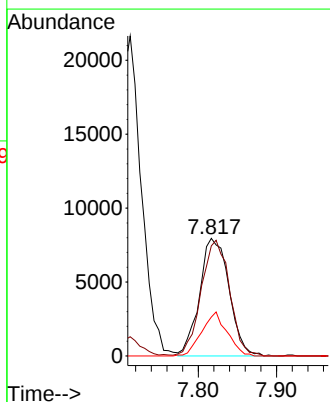
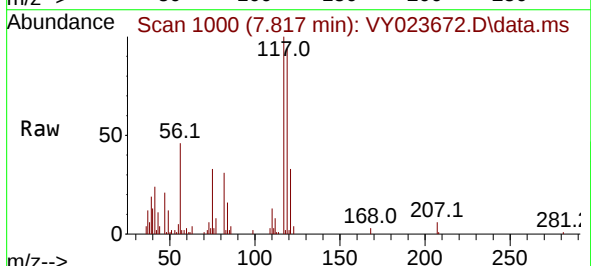
Manual Integrations
APPROVED

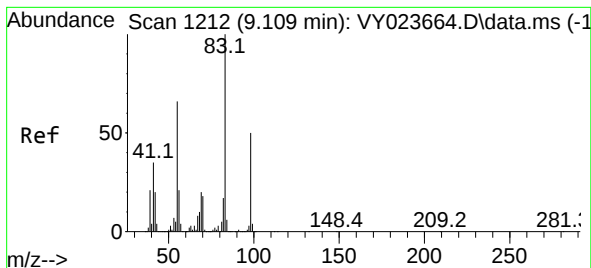
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#38
Carbon Tetrachloride
Concen: 2.566 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

Tgt Ion:117 Resp: 20830
Ion Ratio Lower Upper
117 100
119 93.6 76.3 114.5
121 33.0 24.8 37.2





#39

Methylcyclohexane

Concen: 2.588 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY023672.D

Acq: 04 Nov 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 83 Resp: 22778

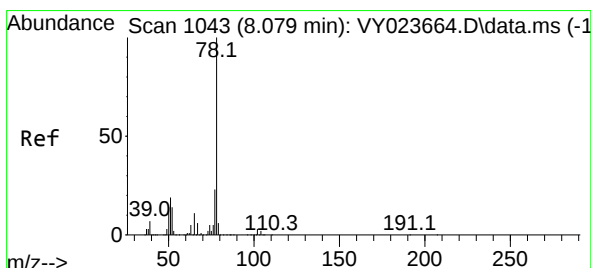
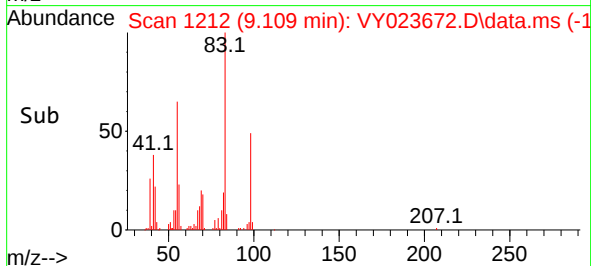
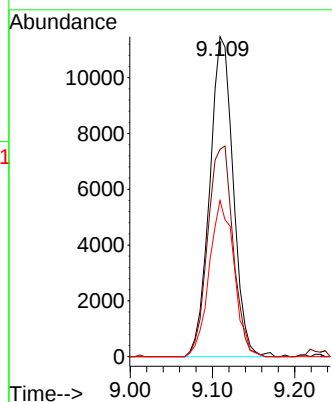
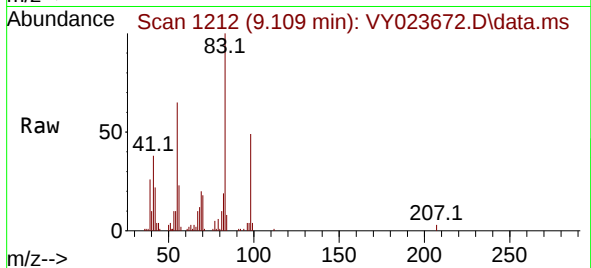
Ion	Ratio	Lower	Upper
83	100		
55	64.8	52.6	78.8
98	48.8	39.7	59.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#40

Benzene

Concen: 2.619 ug/l

RT: 8.085 min Scan# 1044

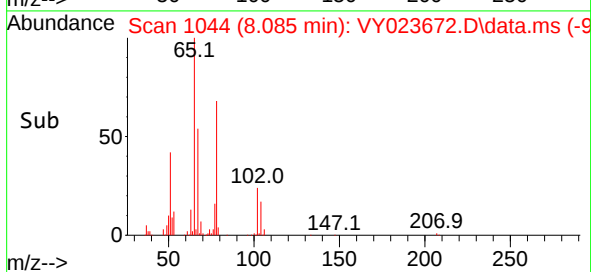
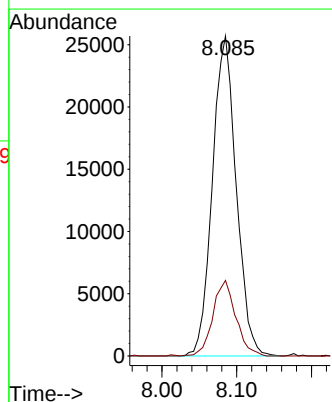
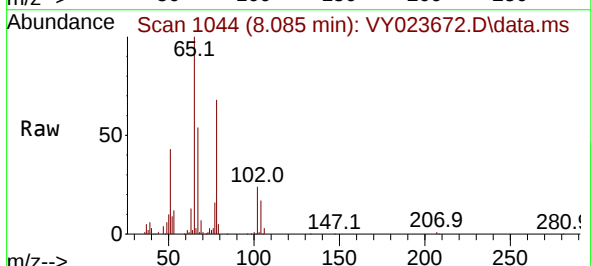
Delta R.T. 0.006 min

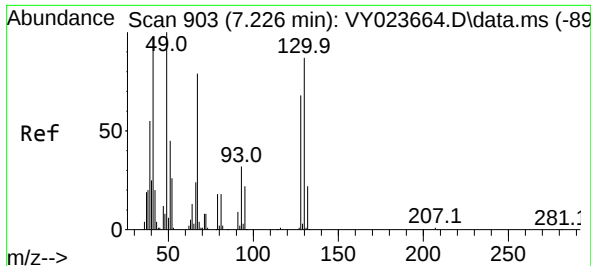
Lab File: VY023672.D

Acq: 04 Nov 2025 14:08

Tgt Ion: 78 Resp: 56878

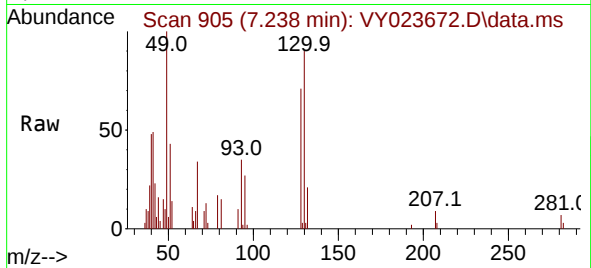
Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





#41
Methacrylonitrile
Concen: 1.975 ug/l m
RT: 7.238 min Scan# 903
Delta R.T. 0.012 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

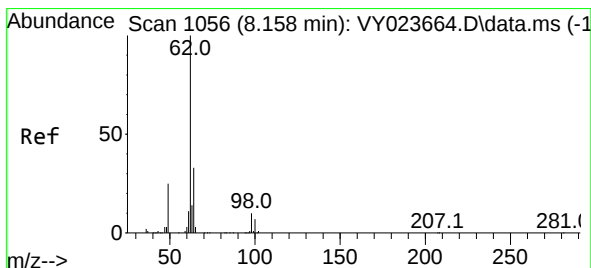
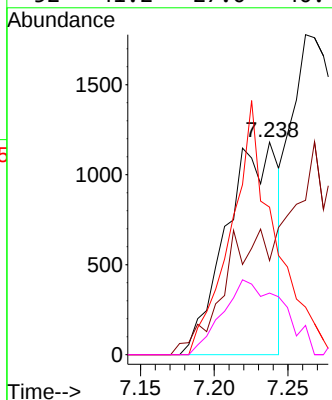
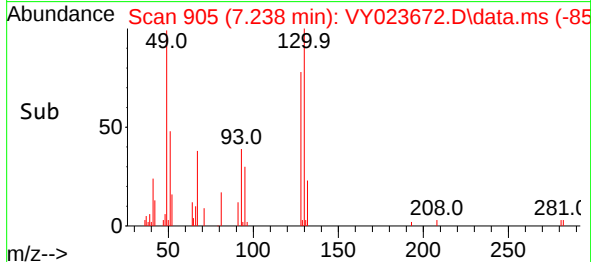
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 41 Resp: 2875
Ion Ratio Lower Upper
41 100
39 0.0 38.6 57.8
67 101.2 71.3 106.9
52 41.2 27.0 40.4#

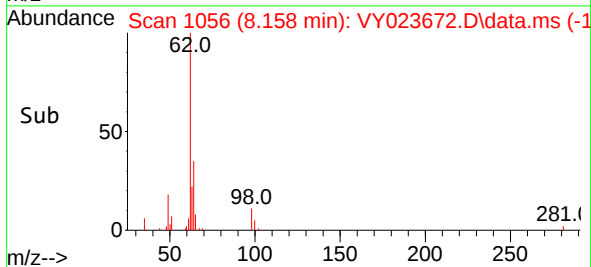
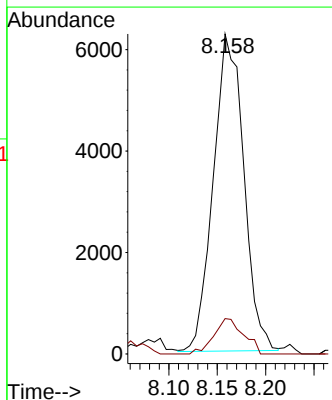
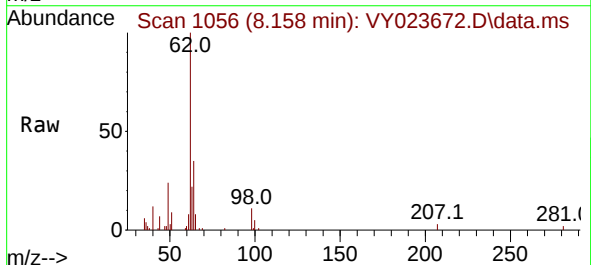
Manual Integrations
APPROVED

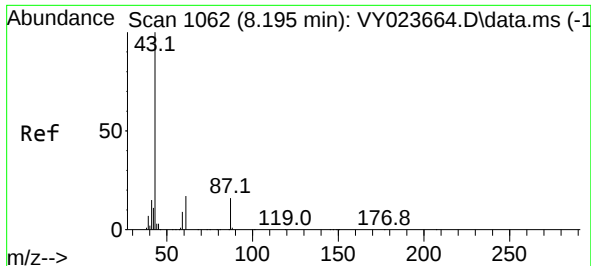
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#42
1,2-Dichloroethane
Concen: 2.484 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

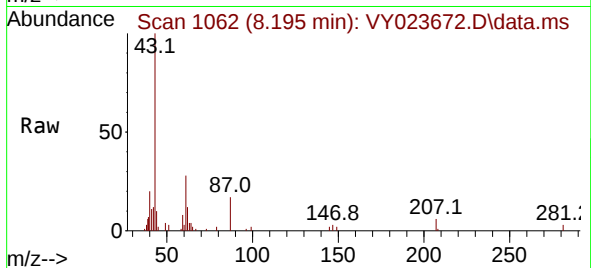
Tgt Ion: 62 Resp: 13646
Ion Ratio Lower Upper
62 100
98 10.9 0.0 21.0





#43
Isopropyl Acetate
Concen: 2.156 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

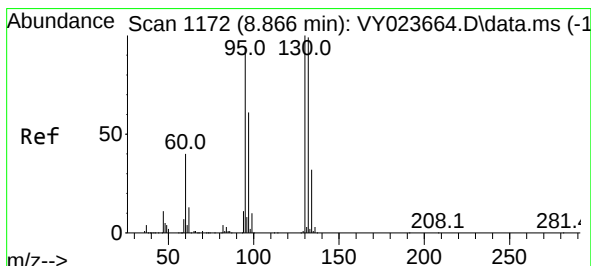
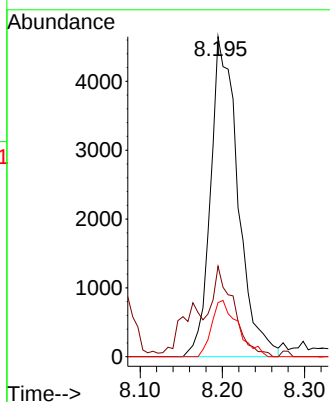
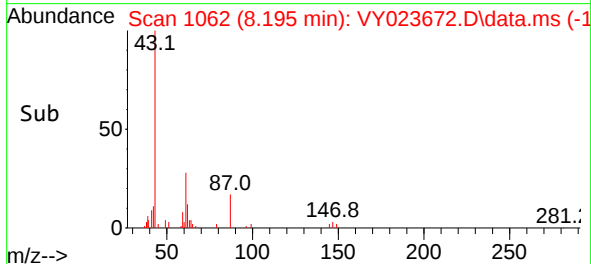
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



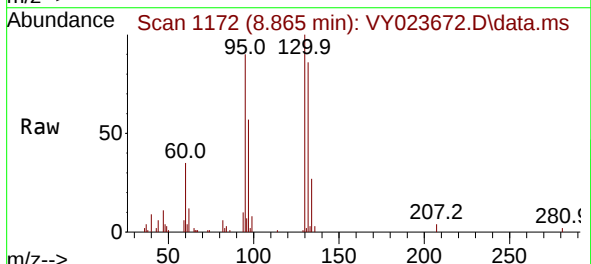
Tgt Ion: 43 Resp: 1080
Ion Ratio Lower Upper
43 100
61 23.4 18.2 27.2
87 16.8 13.3 19.9

Manual Integrations
APPROVED

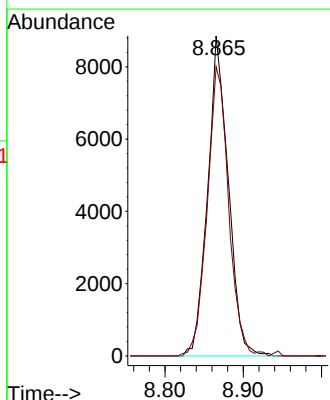
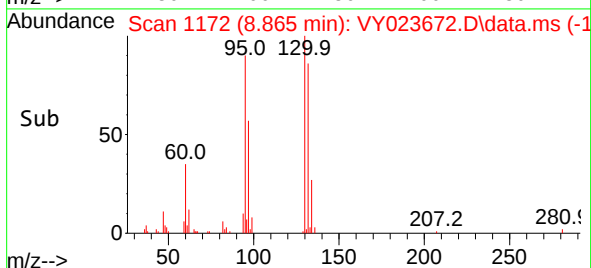
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

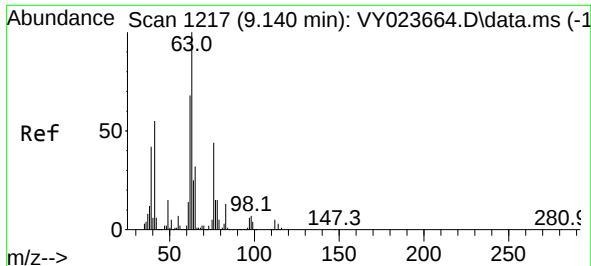


#44
Trichloroethene
Concen: 2.596 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



Tgt Ion:130 Resp: 16193
Ion Ratio Lower Upper
130 100
95 90.4 0.0 187.0





#45

1,2-Dichloropropane

Concen: 2.357 ug/l

RT: 9.146 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY023672.D

Acq: 04 Nov 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 63 Resp: 1129

Ion Ratio Lower Upper

63 100

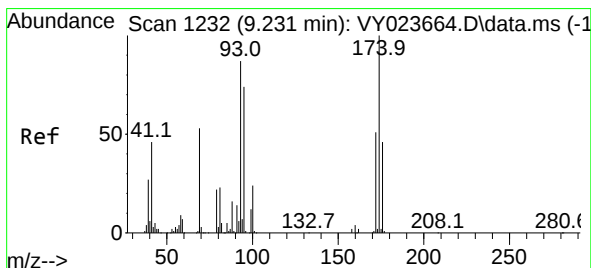
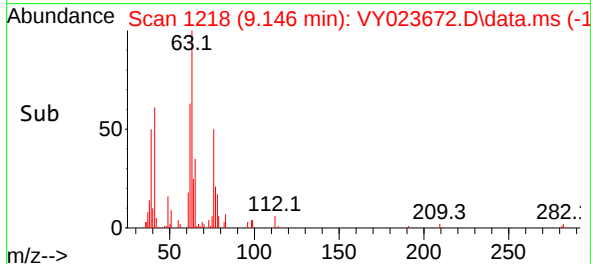
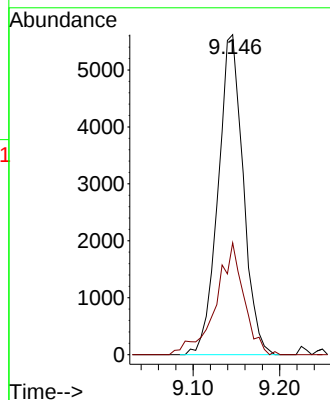
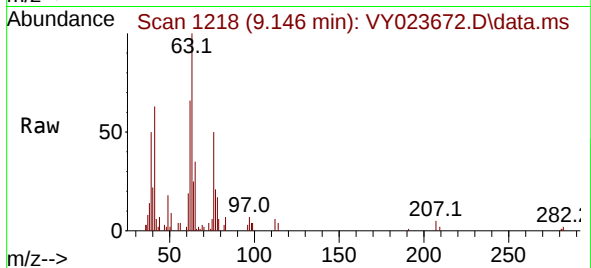
65 34.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#46

Dibromomethane

Concen: 2.415 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY023672.D

Acq: 04 Nov 2025 14:08

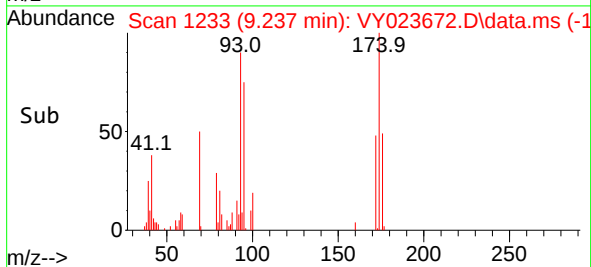
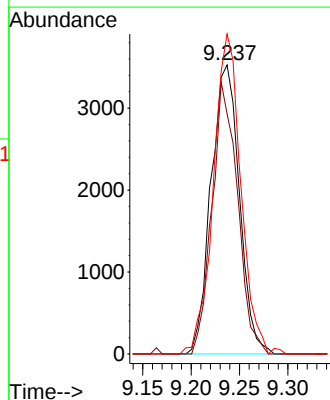
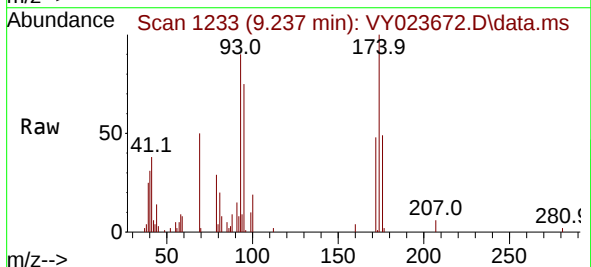
Tgt Ion: 93 Resp: 7172

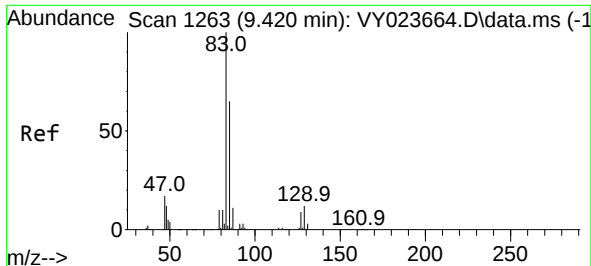
Ion Ratio Lower Upper

93 100

95 85.1 67.4 101.2

174 107.5 89.4 134.0





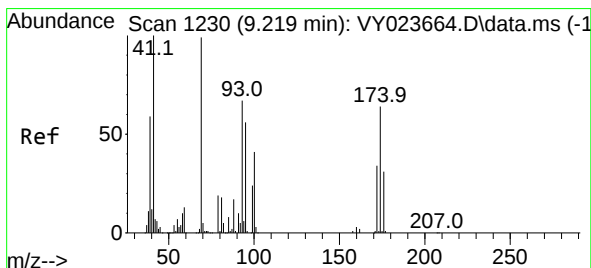
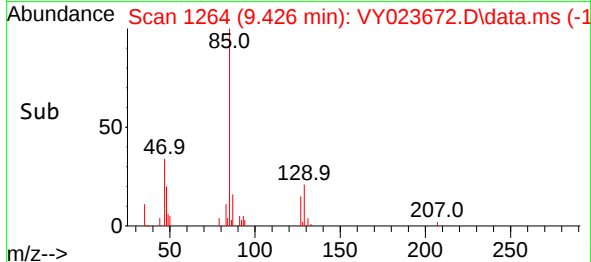
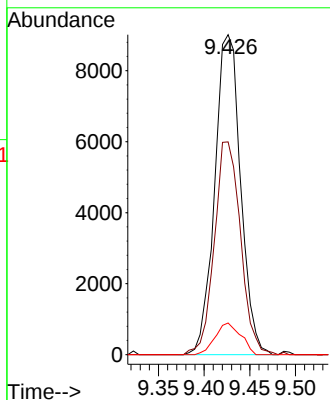
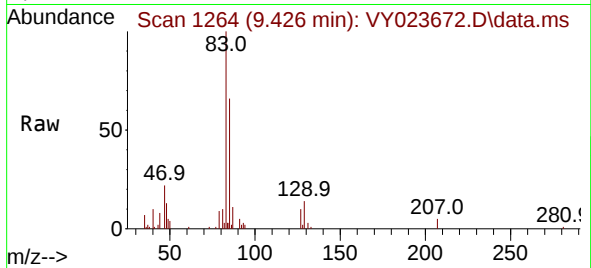
#47
Bromodichloromethane
Concen: 2.376 ug/l
RT: 9.426 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 83 Resp: 1778
Ion Ratio Lower Upper
83 100
85 66.5 52.1 78.1
127 9.9 7.5 11.3

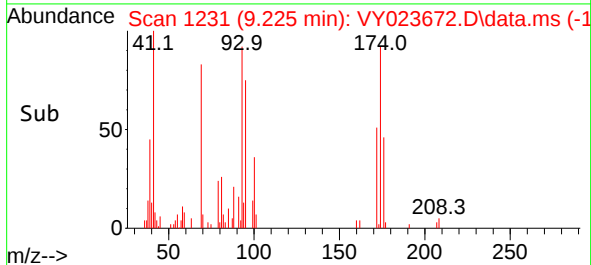
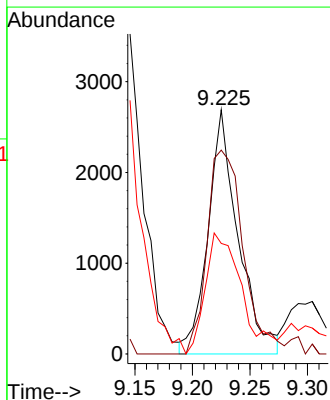
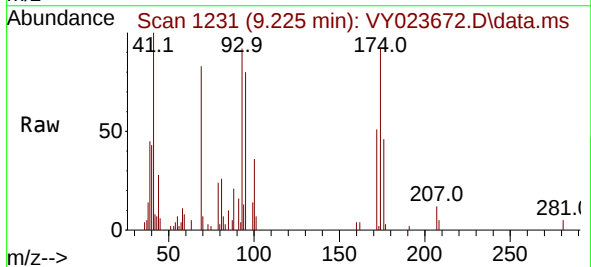
Manual Integrations
APPROVED

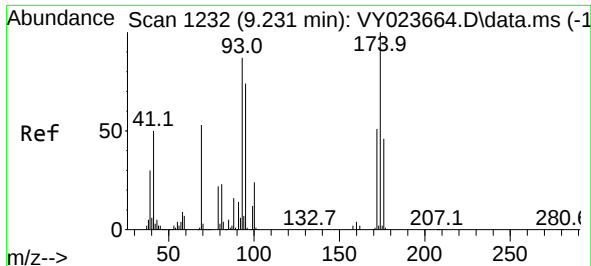
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#48
Methyl methacrylate
Concen: 2.068 ug/l m
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

Tgt Ion: 41 Resp: 4896
Ion Ratio Lower Upper
41 100
69 100.4 80.2 120.2
39 59.6 47.4 71.0





#49

1,4-Dioxane

Concen: 38.467 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.006 min

Lab File: VY023672.D

Acq: 04 Nov 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

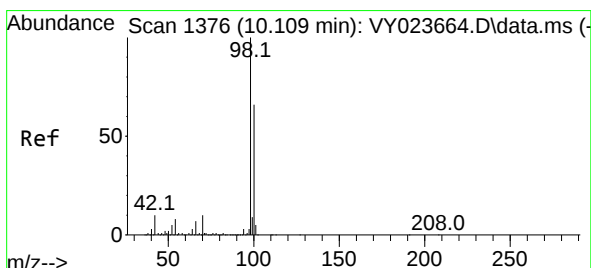
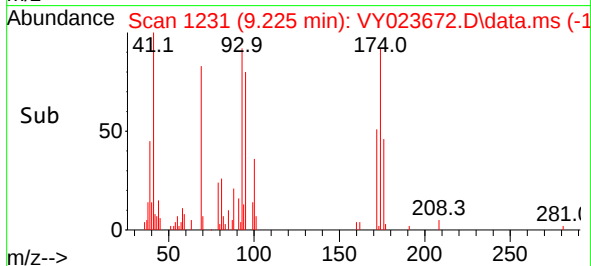
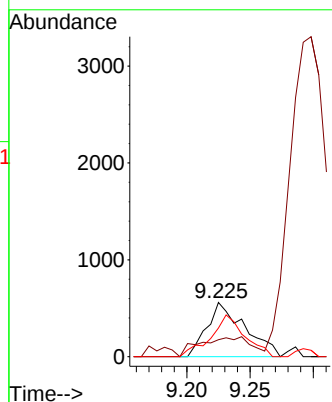
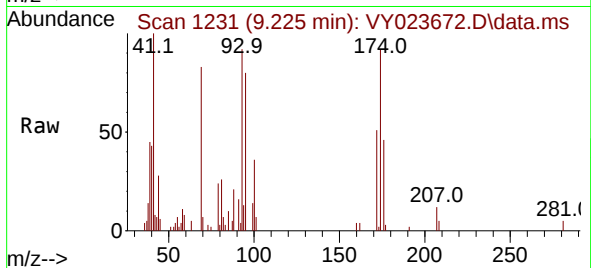
Tgt Ion: 88	Resp: 1169
Ion Ratio	Lower Upper
88 100	
43 49.4	22.0 33.0
58 68.6	47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#50

Toluene-d8

Concen: 49.957 ug/l

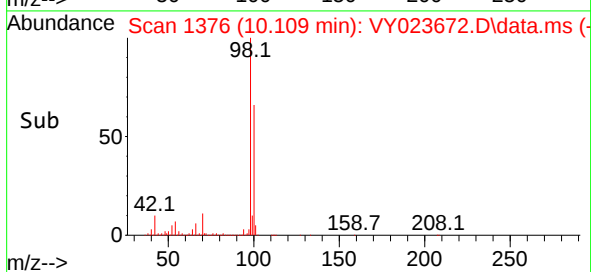
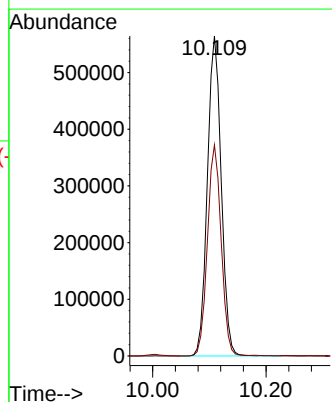
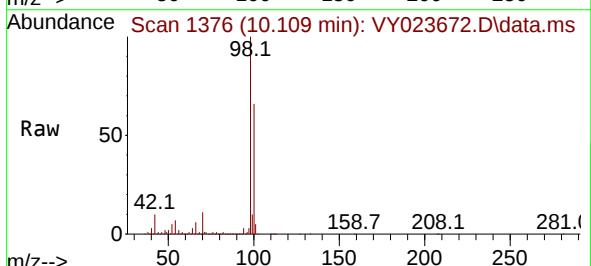
RT: 10.109 min Scan# 1376

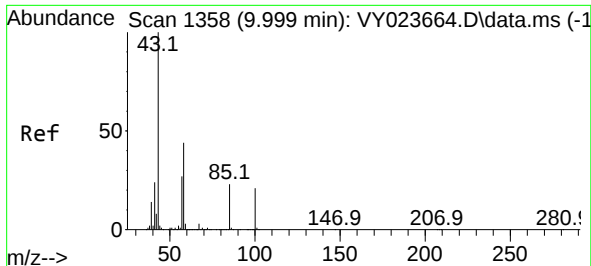
Delta R.T. -0.000 min

Lab File: VY023672.D

Acq: 04 Nov 2025 14:08

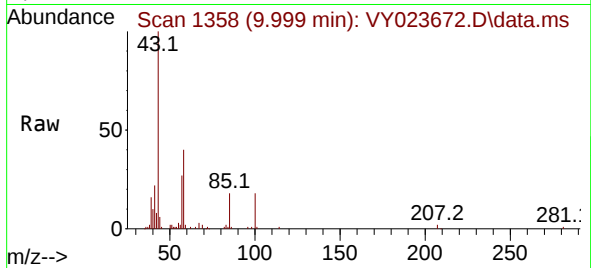
Tgt Ion: 98	Resp: 959419
Ion Ratio	Lower Upper
98 100	
100 65.2	52.7 79.1





#51
4-Methyl-2-Pentanone
Concen: 9.319 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

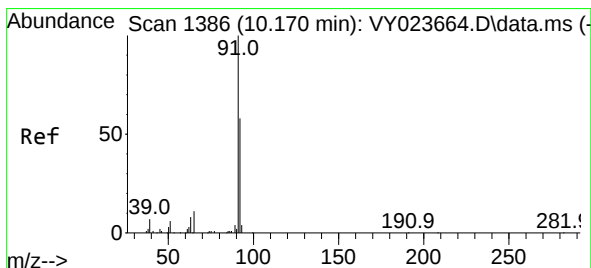
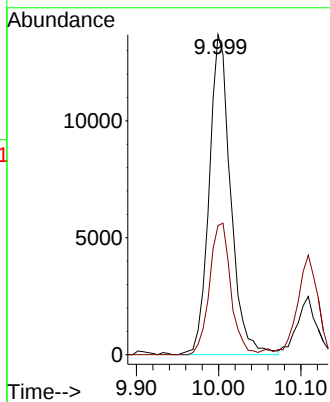
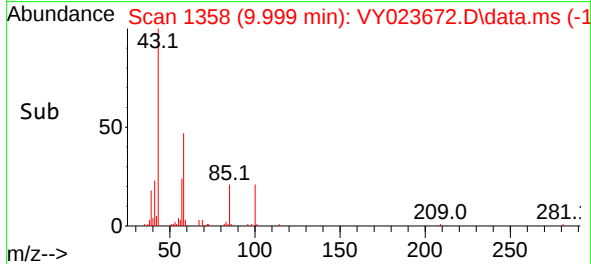
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 43 Resp: 24834
Ion Ratio Lower Upper
43 100
58 40.7 34.8 52.2

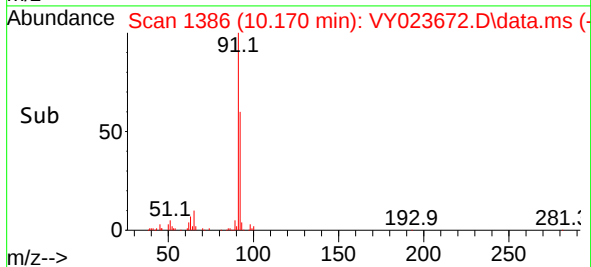
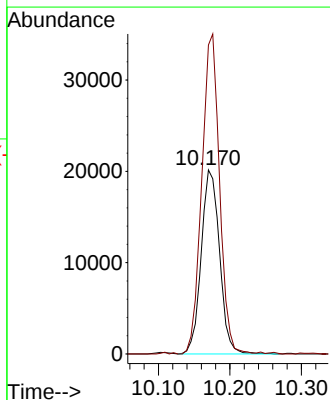
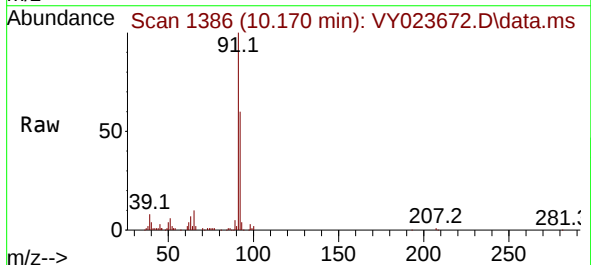
Manual Integrations
APPROVED

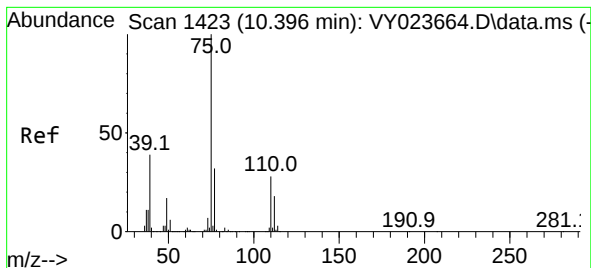
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#52
Toluene
Concen: 2.589 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

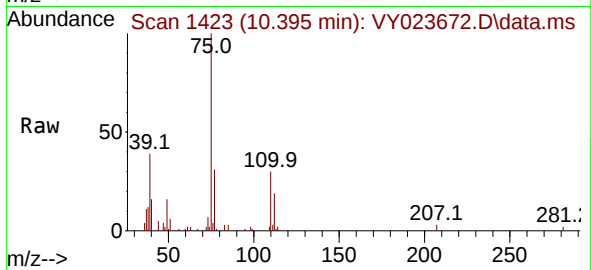
Tgt Ion: 92 Resp: 35896
Ion Ratio Lower Upper
92 100
91 168.2 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 2.294 ug/l
RT: 10.395 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

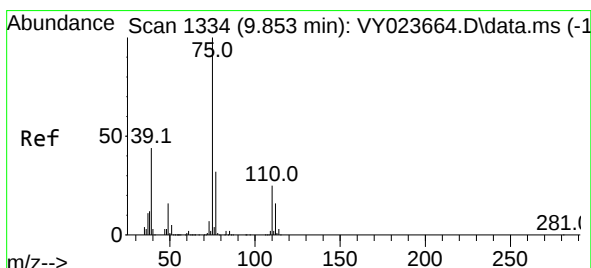
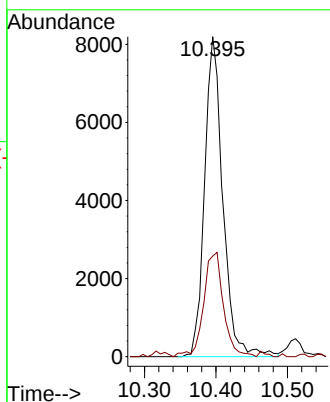
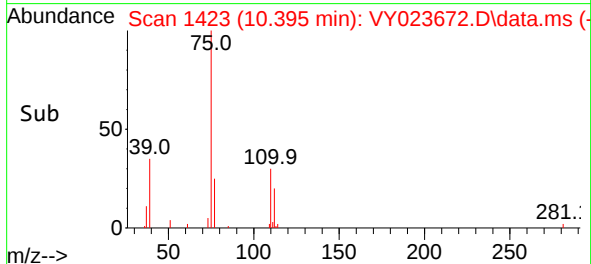
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



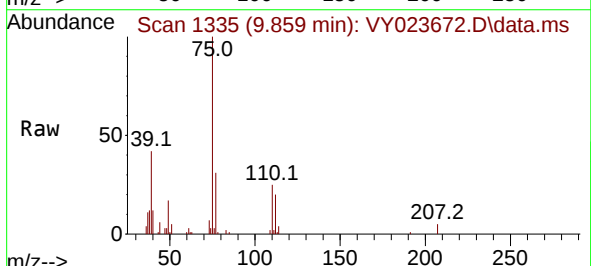
Tgt Ion: 75 Resp: 14530
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4

Manual Integrations
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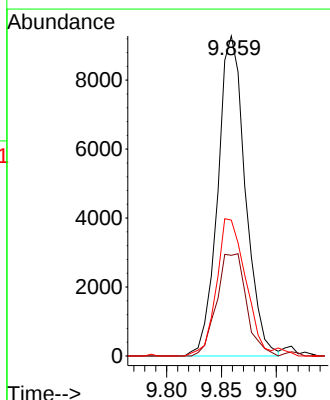
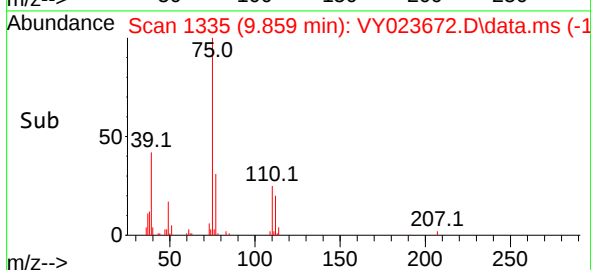
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

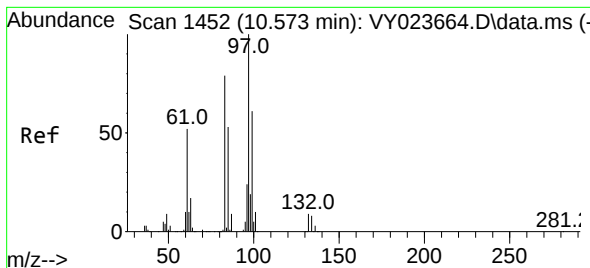


#54
cis-1,3-Dichloropropene
Concen: 2.146 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



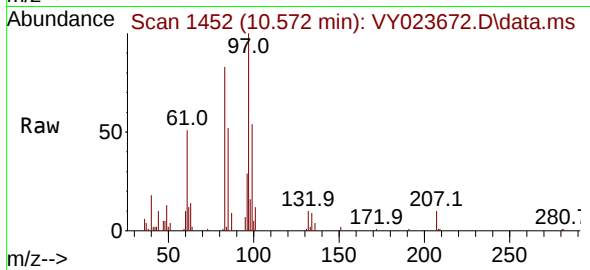
Tgt Ion: 75 Resp: 16286
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5
39 42.5 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 2.386 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

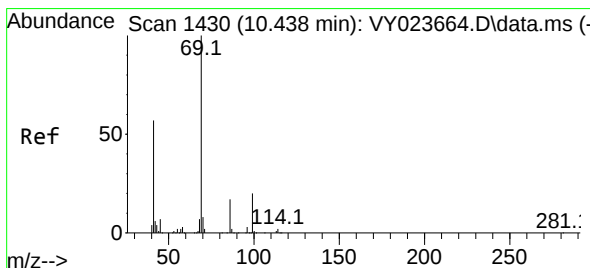
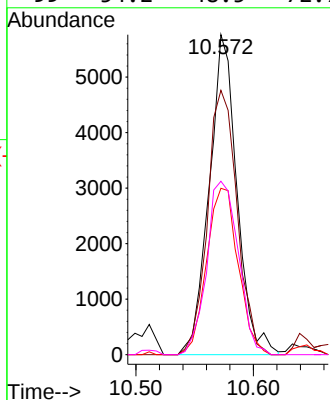
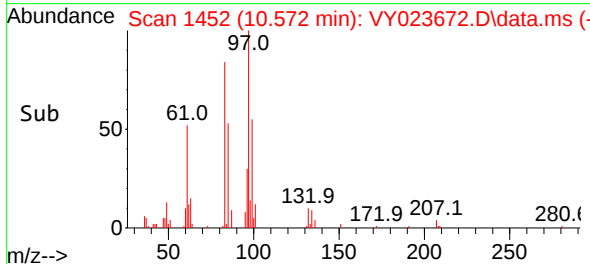
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



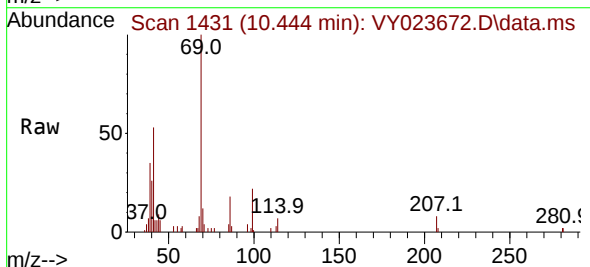
Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.6	63.3	94.9
85	52.0	42.4	63.6
99	54.2	48.5	72.7

Manual Integrations
APPROVED

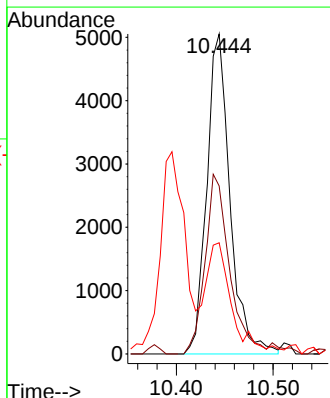
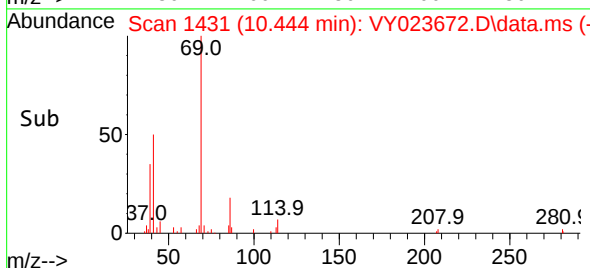
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

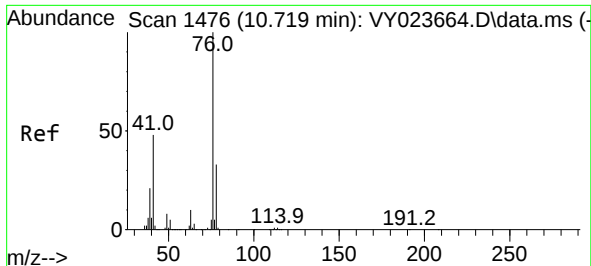


#56
Ethyl methacrylate
Concen: 1.931 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



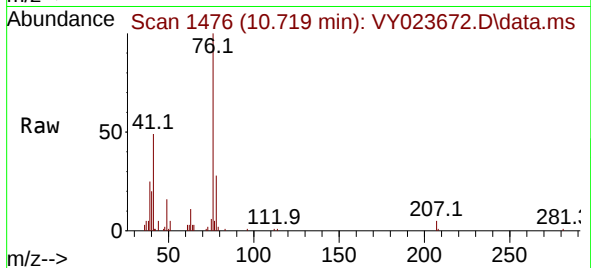
Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.0	45.0	67.4
39	39.8	25.1	37.7





#57
1,3-Dichloropropane
Concen: 2.333 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

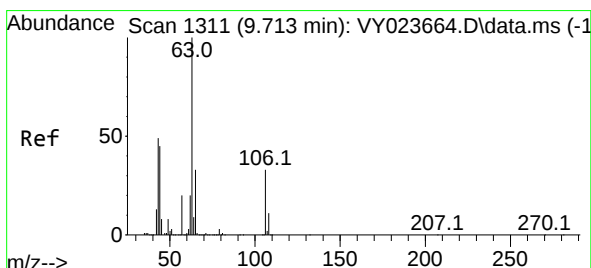
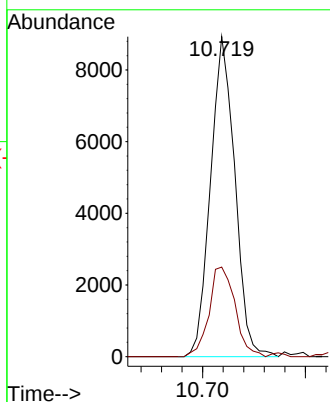
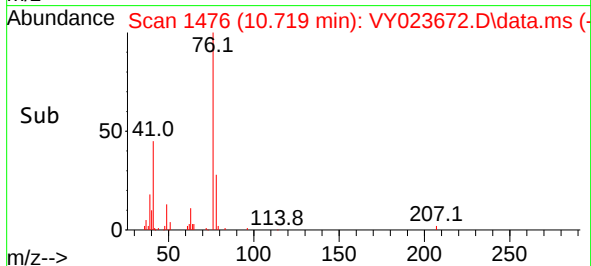
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 76 Resp: 14684
Ion Ratio Lower Upper
76 100
78 29.9 26.0 39.0

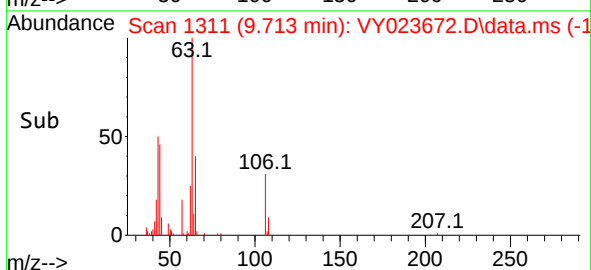
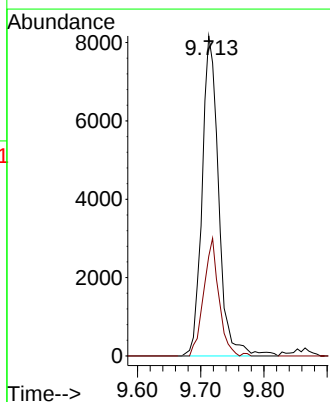
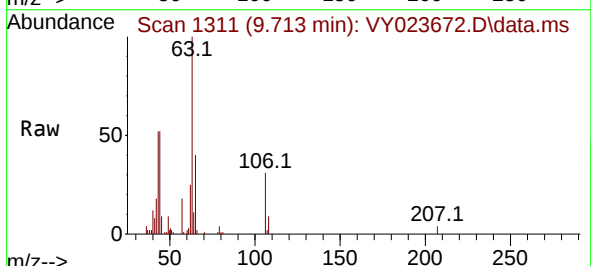
Manual Integrations
APPROVED

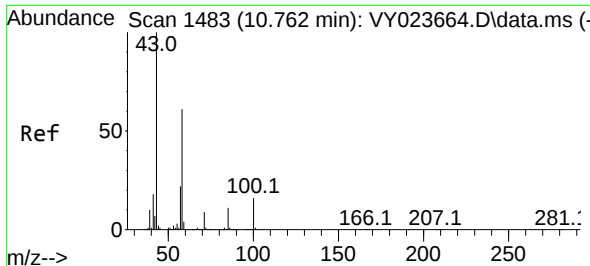
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#58
2-Chloroethyl Vinyl ether
Concen: 7.429 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

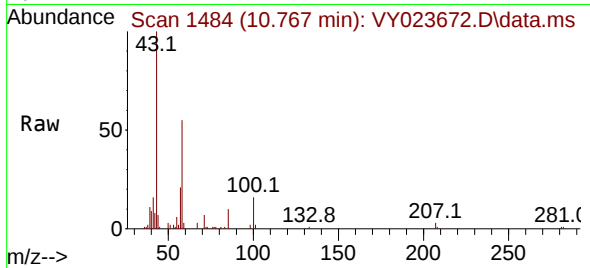
Tgt Ion: 63 Resp: 14905
Ion Ratio Lower Upper
63 100
106 33.5 26.2 39.2





#59
2-Hexanone
Concen: 8.548 ug/l
RT: 10.767 min Scan# 1484
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

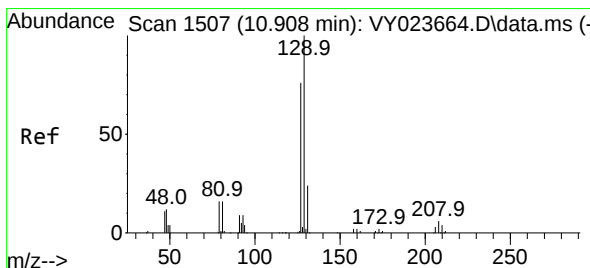
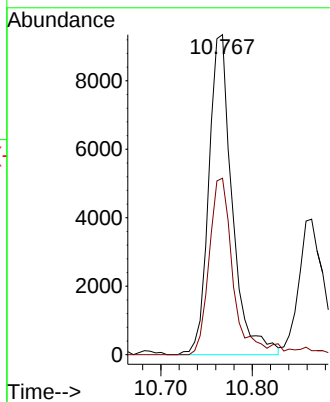
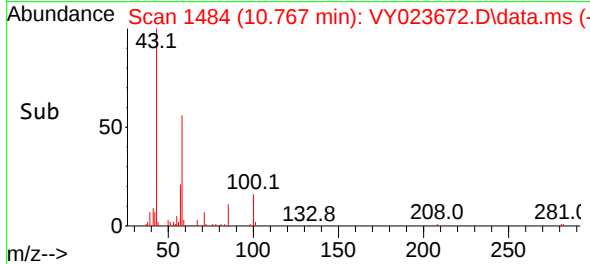
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 43 Resp: 16619
Ion Ratio Lower Upper
43 100
58 54.9 30.2 90.6

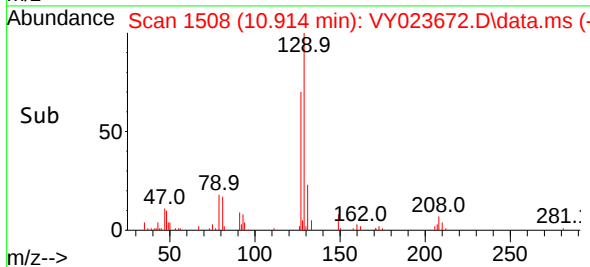
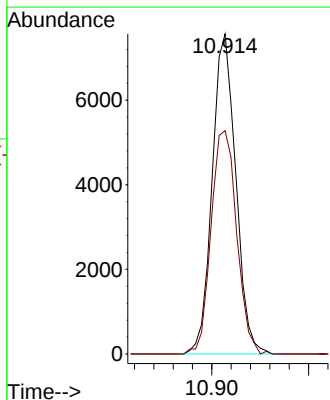
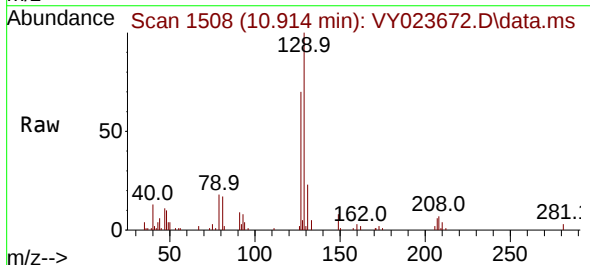
Manual Integrations
APPROVED

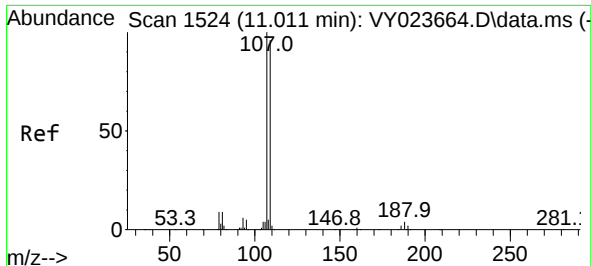
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#60
Dibromochloromethane
Concen: 2.349 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

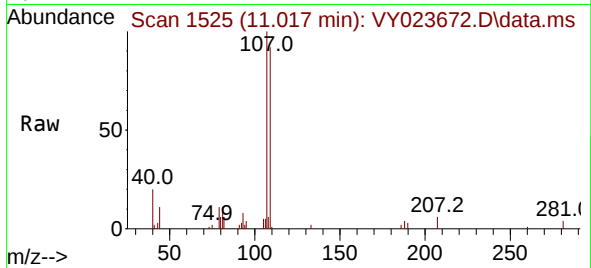
Tgt Ion:129 Resp: 12807
Ion Ratio Lower Upper
129 100
127 75.6 38.4 115.2





#61
1,2-Dibromoethane
Concen: 2.254 ug/l
RT: 11.017 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

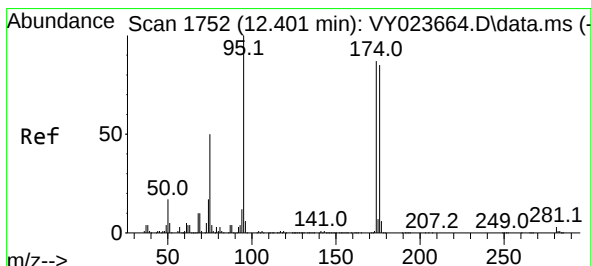
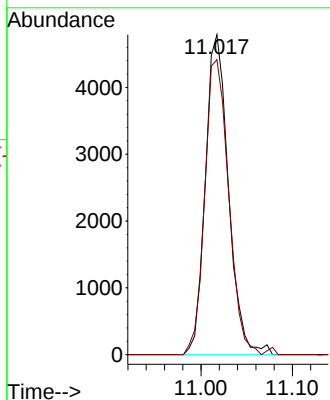
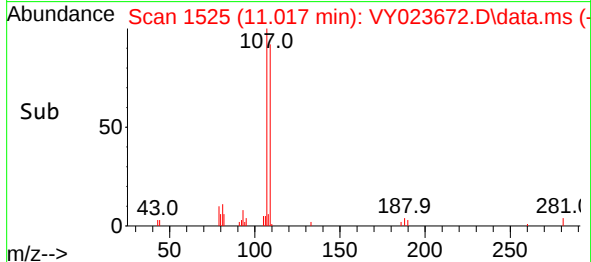
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



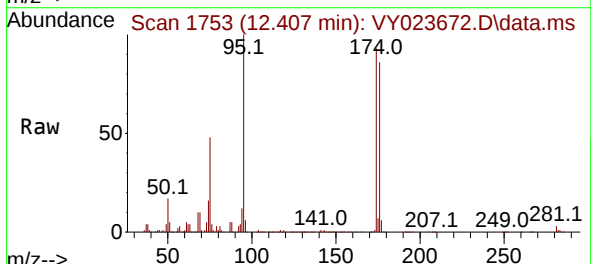
Tgt Ion:107 Resp: 8394
Ion Ratio Lower Upper
107 100
109 95.4 76.2 114.4

Manual Integrations
APPROVED

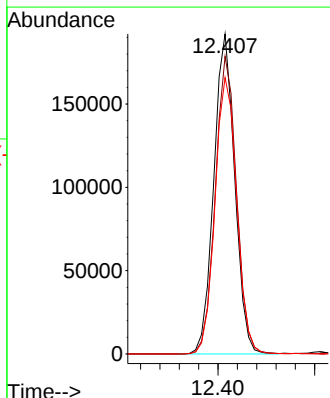
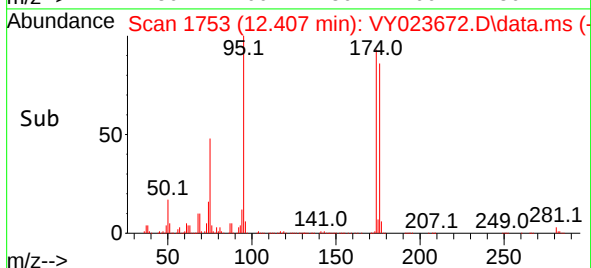
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

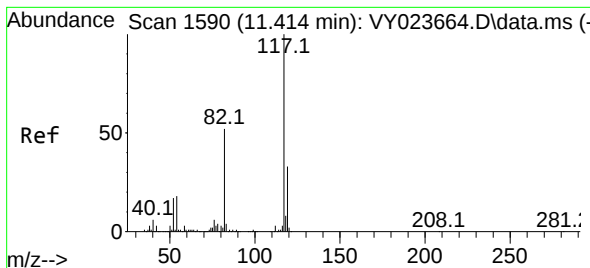


#62
4-Bromofluorobenzene
Concen: 46.422 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



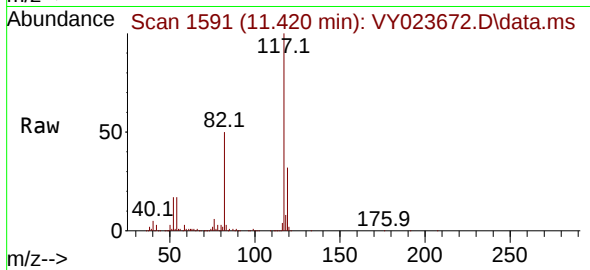
Tgt Ion: 95 Resp: 288319
Ion Ratio Lower Upper
95 100
174 94.1 0.0 184.8
176 89.6 0.0 181.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

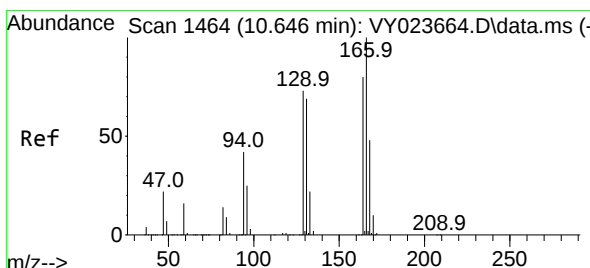
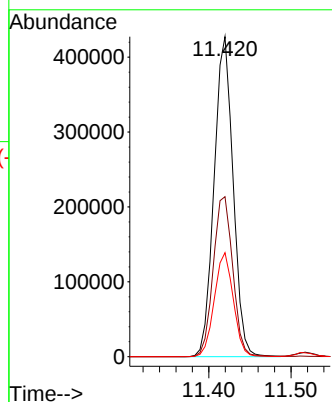
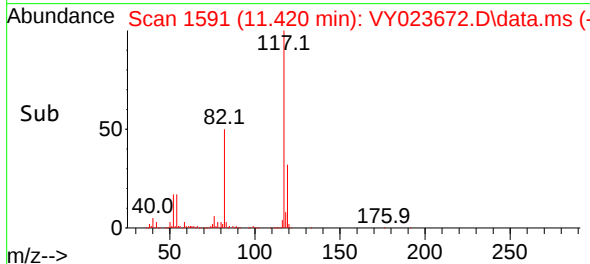
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:117 Resp: 686920
Ion Ratio Lower Upper
117 100
82 50.0 41.2 61.8
119 32.5 26.2 39.2

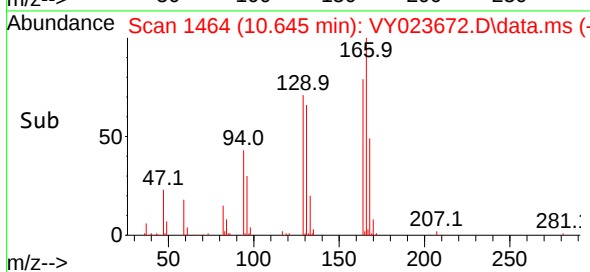
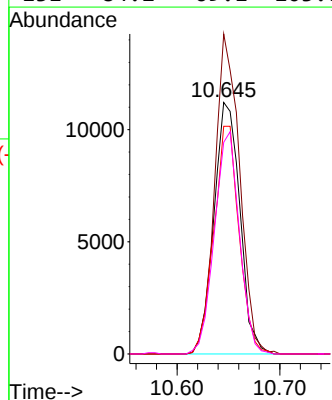
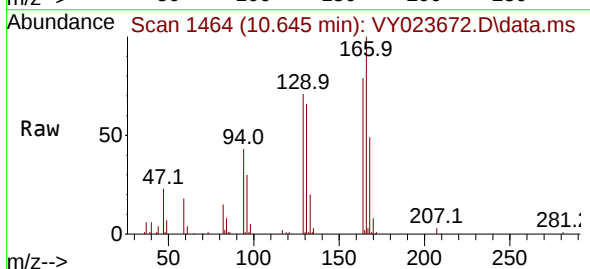
Manual Integrations
APPROVED

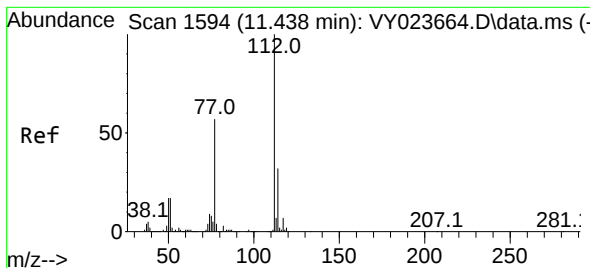
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#64
Tetrachloroethene
Concen: 2.750 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

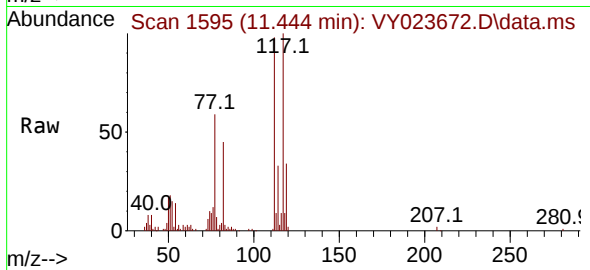
Tgt Ion:164 Resp: 19662
Ion Ratio Lower Upper
164 100
166 127.2 99.5 149.3
129 90.5 72.3 108.5
131 84.2 69.1 103.7





#65
Chlorobenzene
Concen: 2.708 ug/l
RT: 11.444 min Scan# 111
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

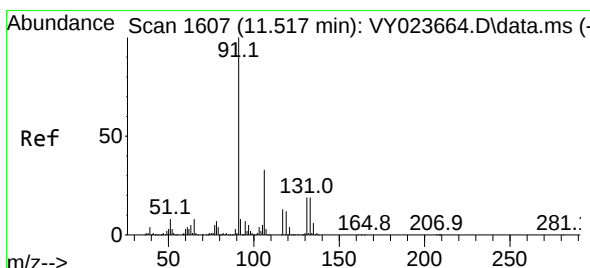
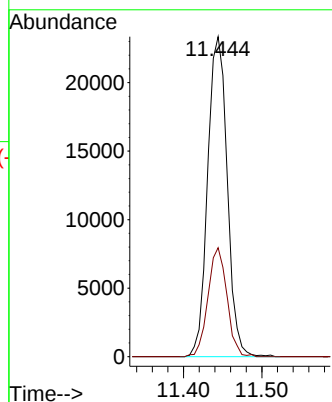
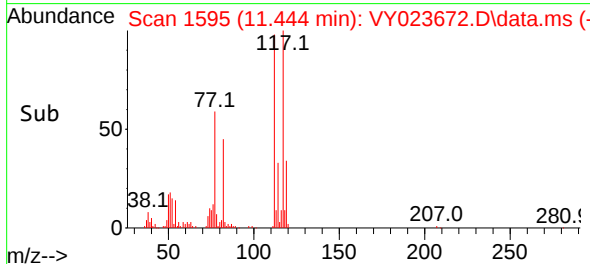
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



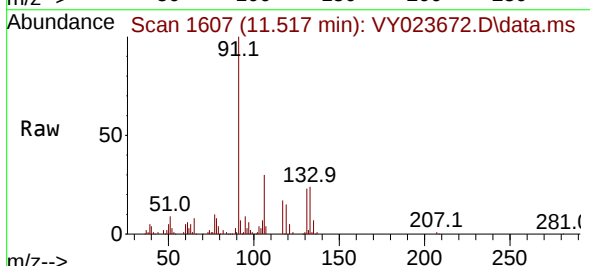
Tgt Ion:112 Resp: 4049
Ion Ratio Lower Upper
112 100
114 34.0 25.8 38.6

Manual Integrations
APPROVED

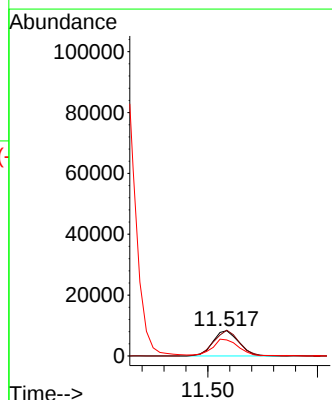
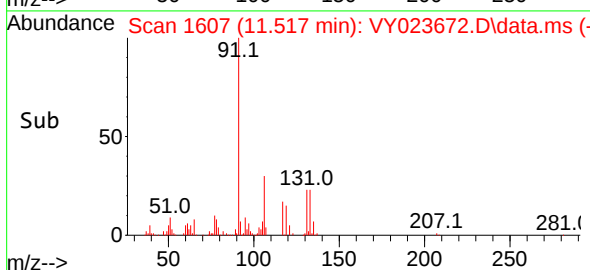
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

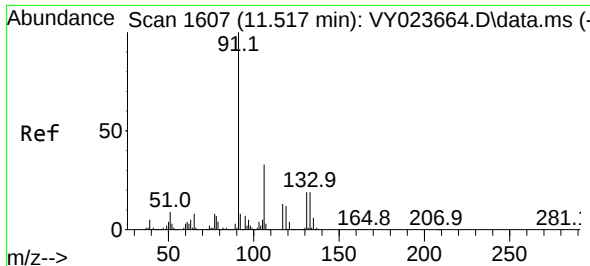


#66
1,1,1,2-Tetrachloroethane
Concen: 2.566 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



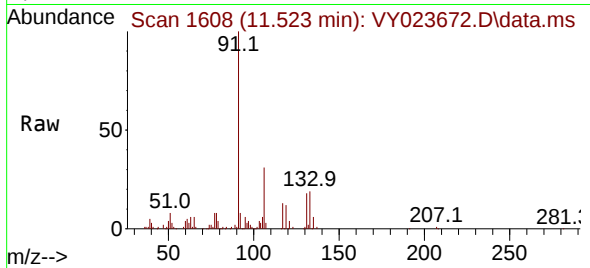
Tgt Ion:131 Resp: 13569
Ion Ratio Lower Upper
131 100
133 100.3 47.3 141.8
119 68.8 32.5 97.4





#67
Ethyl Benzene
Concen: 2.496 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

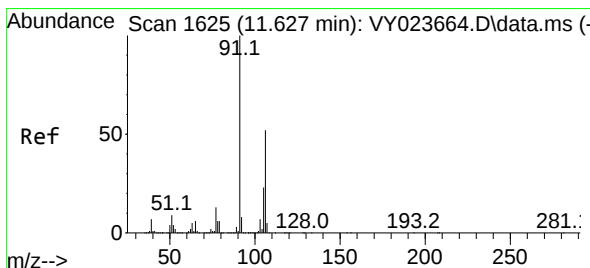
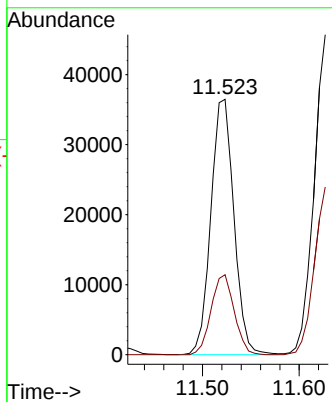
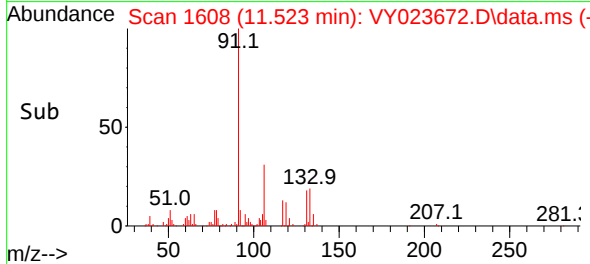
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 91 Resp: 60400
Ion Ratio Lower Upper
91 100
106 31.3 26.6 40.0

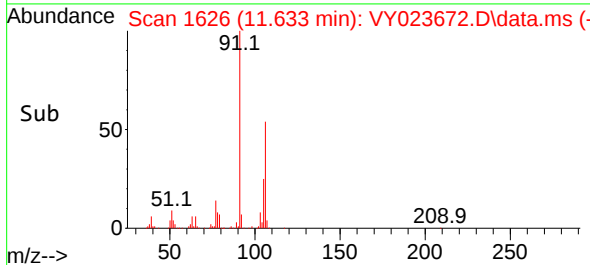
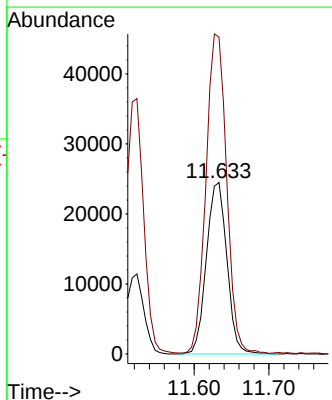
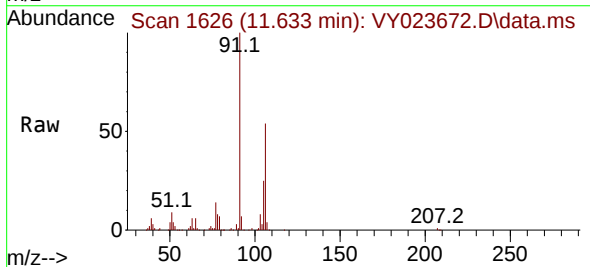
Manual Integrations
APPROVED

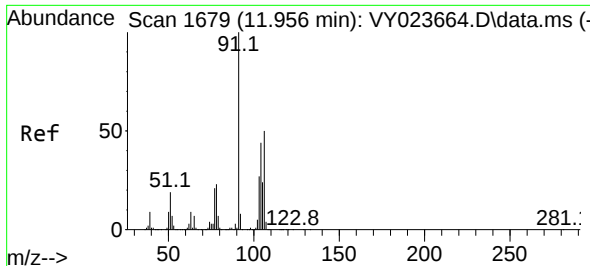
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#68
m/p-Xylenes
Concen: 4.827 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

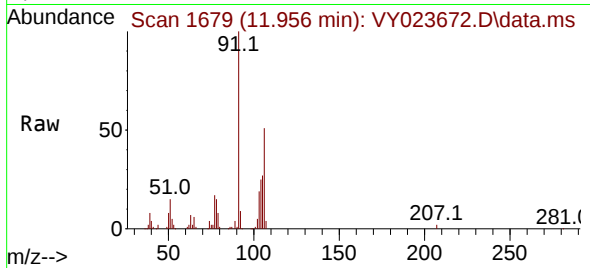
Tgt Ion:106 Resp: 46674
Ion Ratio Lower Upper
106 100
91 187.7 154.3 231.5





#69
o-Xylene
Concen: 2.299 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

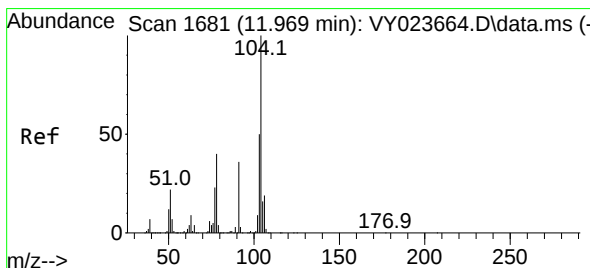
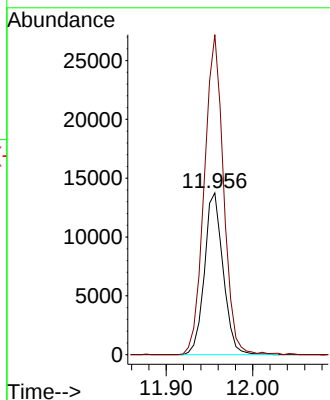
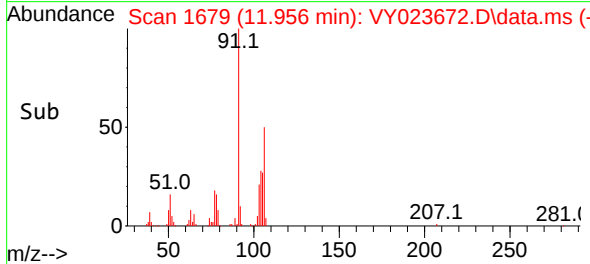
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:106 Resp: 20554
Ion Ratio Lower Upper
106 100
91 204.7 101.6 304.6

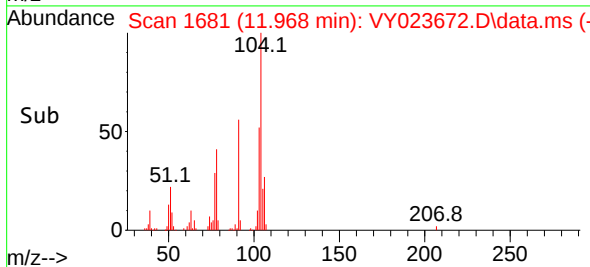
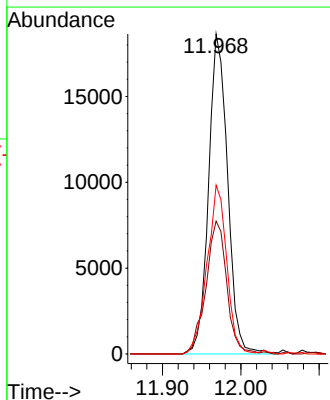
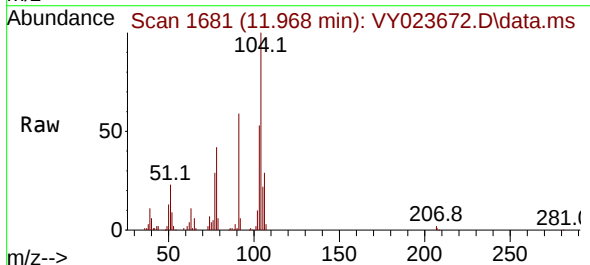
Manual Integrations
APPROVED

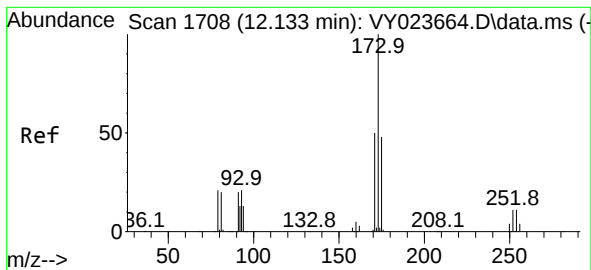
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#70
Styrene
Concen: 2.134 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

Tgt Ion:104 Resp: 31469
Ion Ratio Lower Upper
104 100
78 45.6 36.5 54.7
103 54.4 43.7 65.5





#71

Bromoform

Concen: 2.479 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VY023672.D

Acq: 04 Nov 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

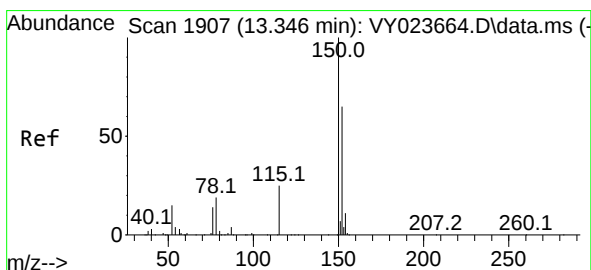
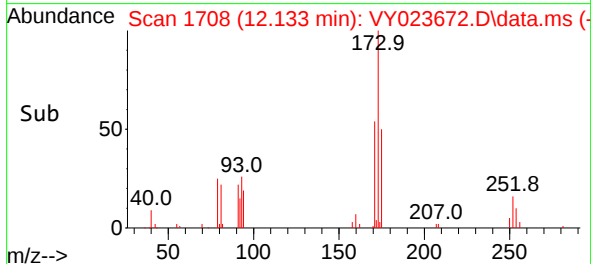
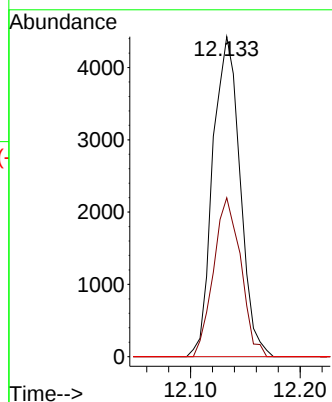
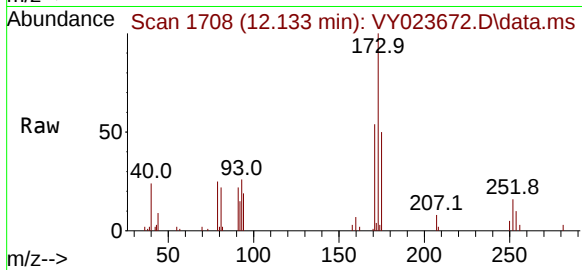
Tgt Ion:173	Resp:	765
Ion Ratio	Lower	Upper
173	100	
175	49.6	24.2 72.6
254	0.0	0.2 0.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

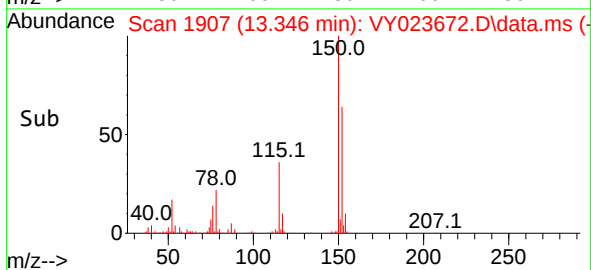
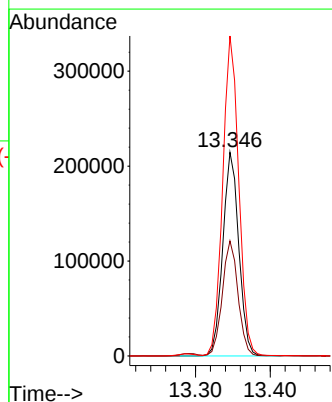
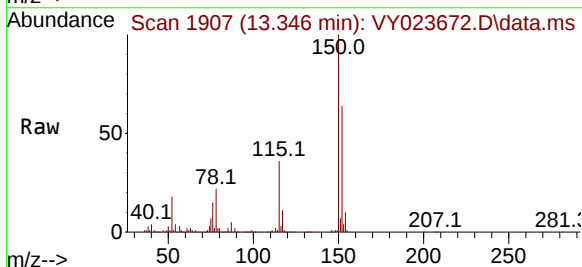
RT: 13.346 min Scan# 1907

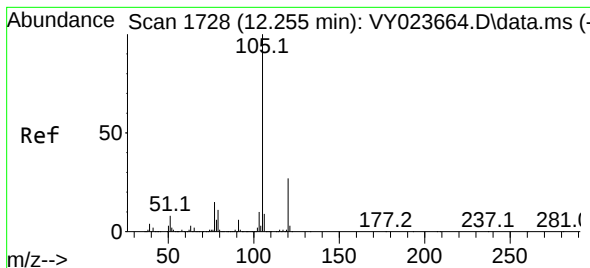
Delta R.T. -0.000 min

Lab File: VY023672.D

Acq: 04 Nov 2025 14:08

Tgt Ion:152	Resp:	319281
Ion Ratio	Lower	Upper
152	100	
115	55.4	27.5 82.5
150	157.5	0.0 349.0





#73

Isopropylbenzene

Concen: 2.501 ug/l

RT: 12.255 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023672.D

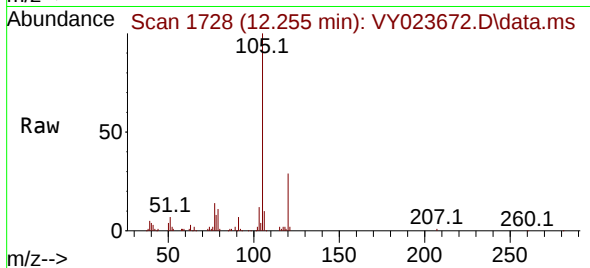
Acq: 04 Nov 2025 14:08

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:105 Resp: 5341

Ion Ratio Lower Upper

105 100

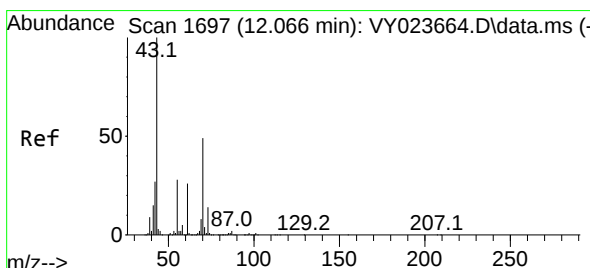
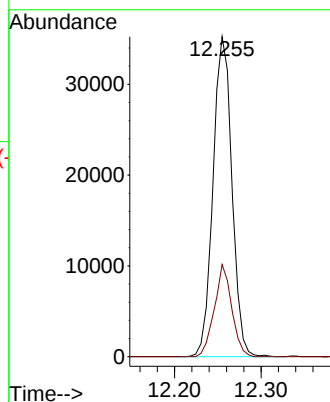
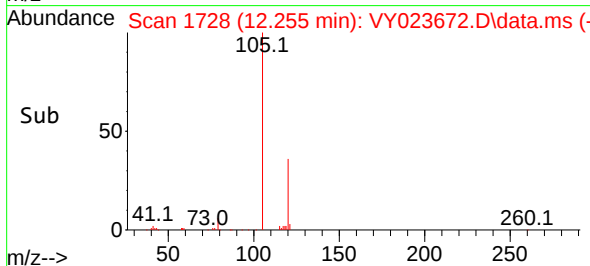
120 26.5 13.6 40.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#74

N-ethyl acetate

Concen: 1.933 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY023672.D

Acq: 04 Nov 2025 14:08

Tgt Ion: 43 Resp: 6989

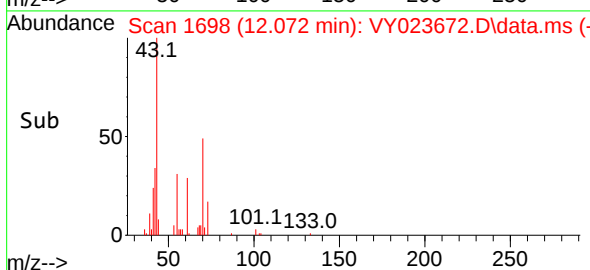
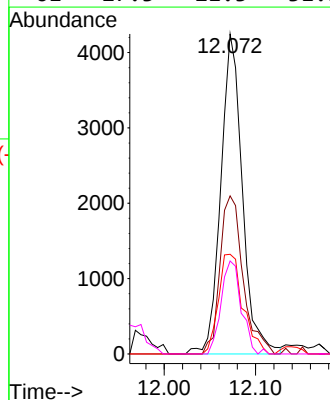
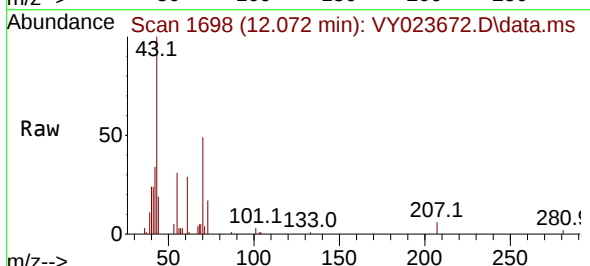
Ion Ratio Lower Upper

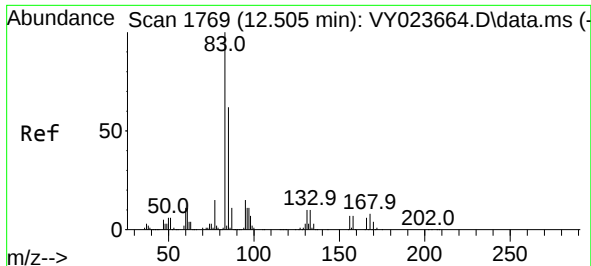
43 100

70 52.8 40.1 60.1

55 35.1 23.0 34.6#

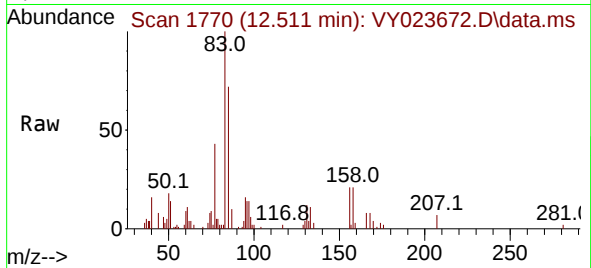
61 27.3 21.3 31.9





#75
1,1,2,2-Tetrachloroethane
Concen: 2.694 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

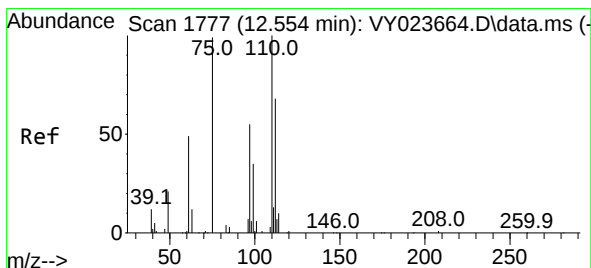
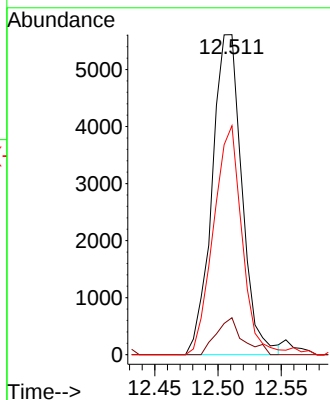
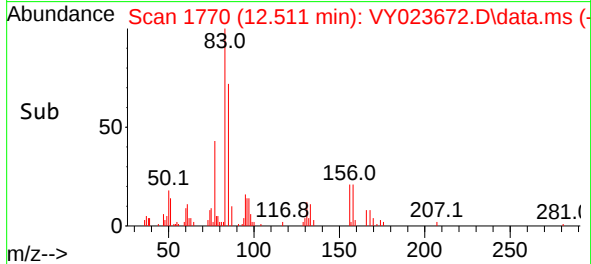
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



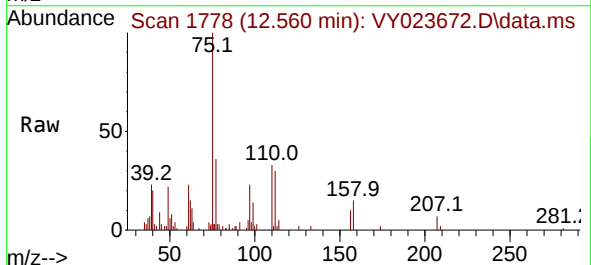
Tgt Ion: 83 Resp: 918
Ion Ratio Lower Upper
83 100
131 10.3 5.7 17.0
85 68.5 31.9 95.7

Manual Integrations
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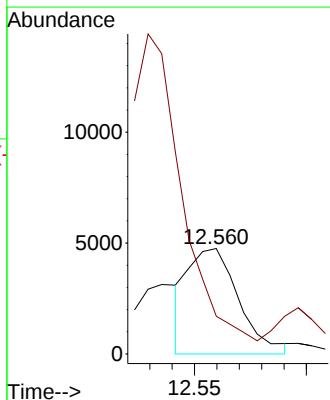
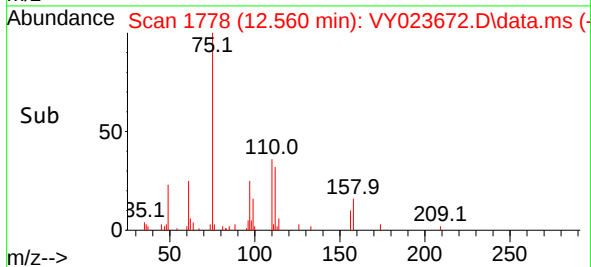
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

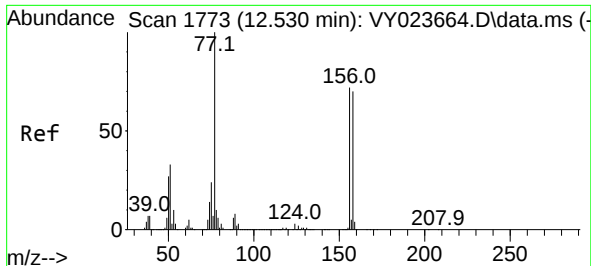


#76
1,2,3-Trichloropropane
Concen: 2.903 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



Tgt Ion: 75 Resp: 7502
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





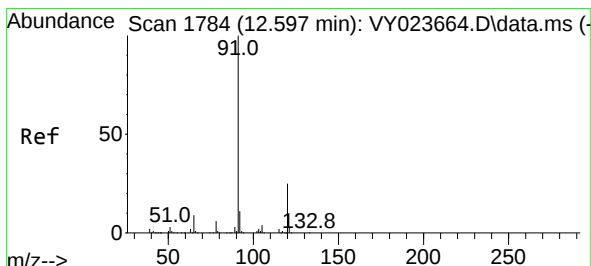
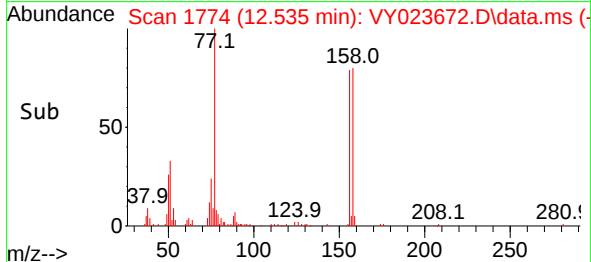
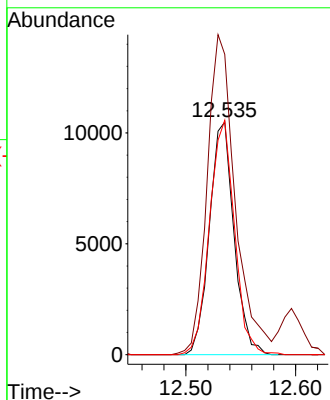
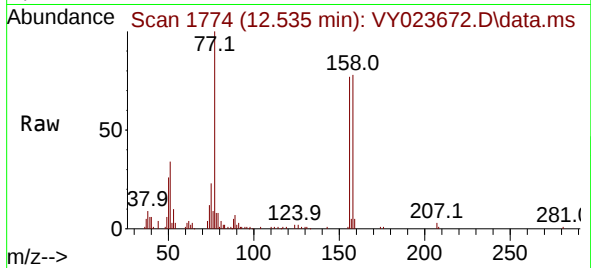
#77
Bromobenzene
Concen: 2.955 ug/l
RT: 12.535 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:156 Resp: 1636
Ion Ratio Lower Upper
156 100
77 157.6 77.9 233.7
158 102.7 48.5 145.5

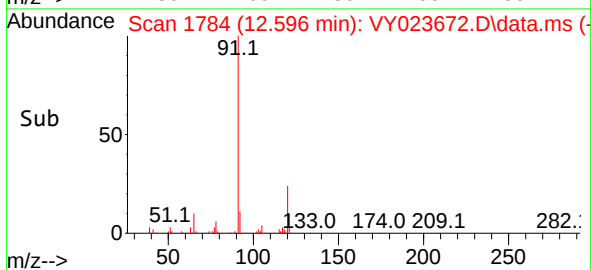
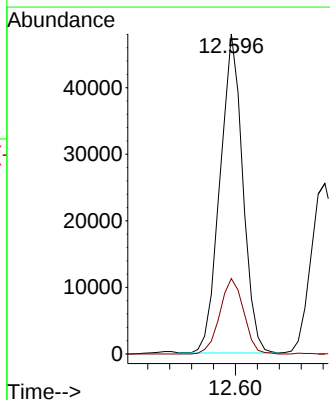
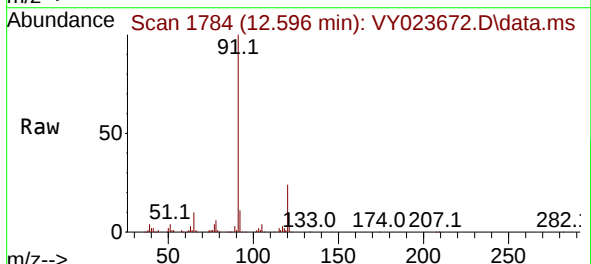
Manual Integrations
APPROVED

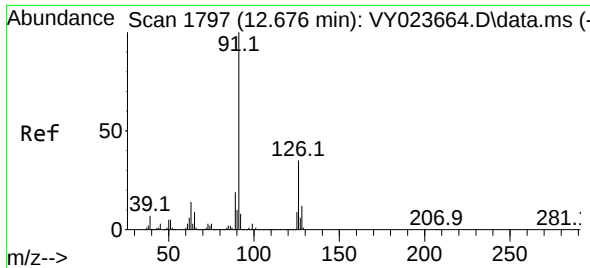
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#78
n-propylbenzene
Concen: 2.755 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

Tgt Ion: 91 Resp: 69211
Ion Ratio Lower Upper
91 100
120 24.7 12.0 36.1





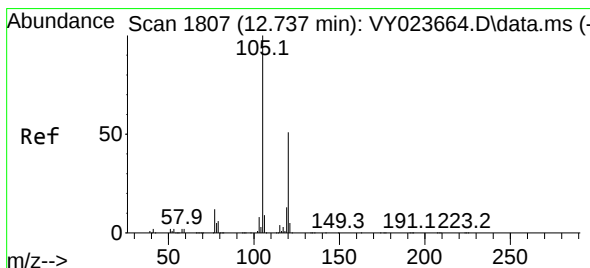
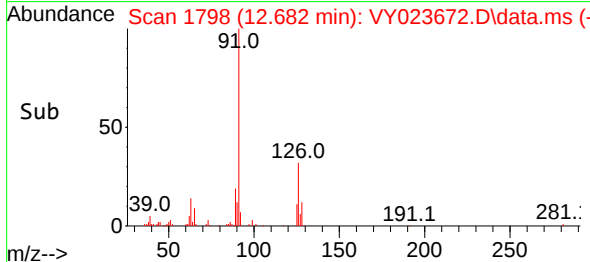
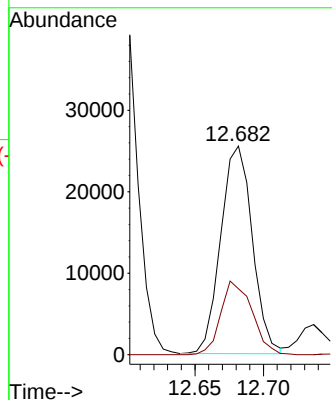
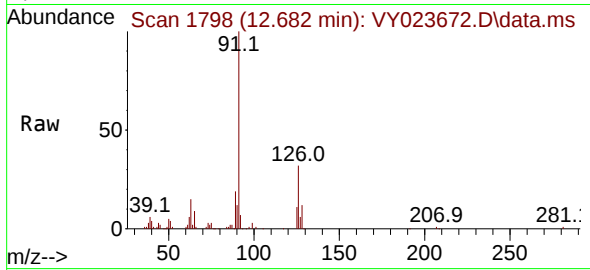
#79
2-Chlorotoluene
Concen: 2.809 ug/l
RT: 12.682 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 91 Resp: 4093
Ion Ratio Lower Upper
91 100
126 35.1 18.0 54.0

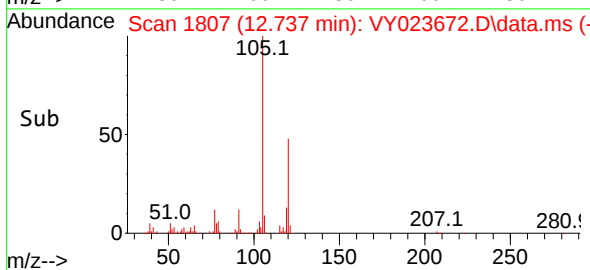
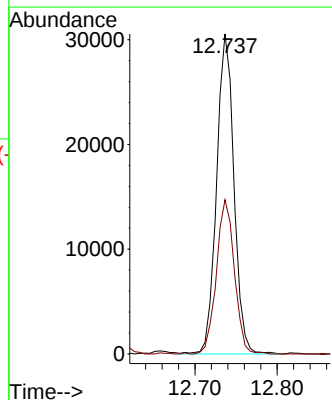
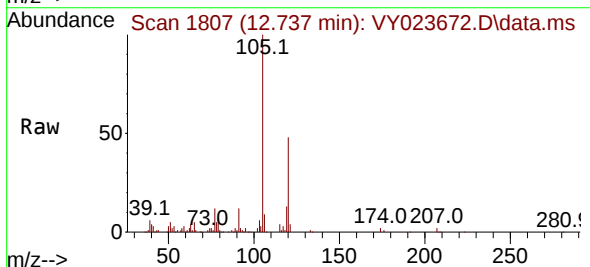
Manual Integrations
APPROVED

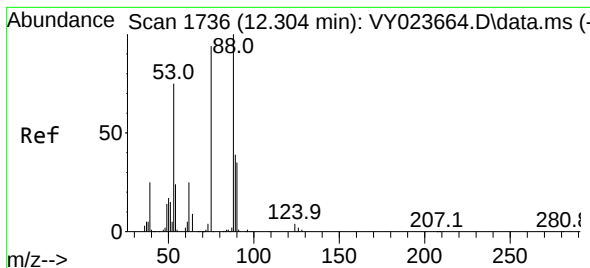
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#80
1,3,5-Trimethylbenzene
Concen: 2.584 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

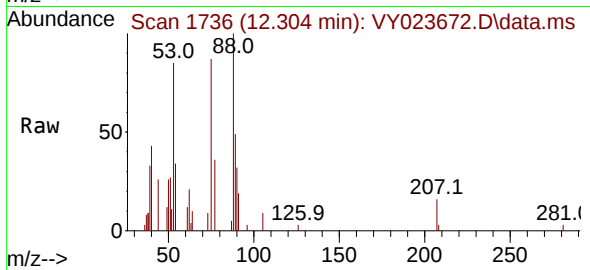
Tgt Ion:105 Resp: 44826
Ion Ratio Lower Upper
105 100
120 49.9 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 2.231 ug/l m
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

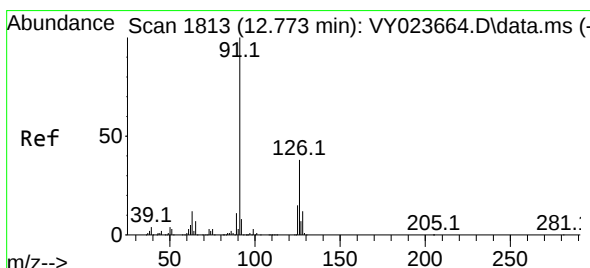
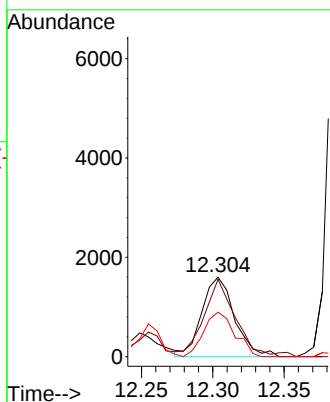
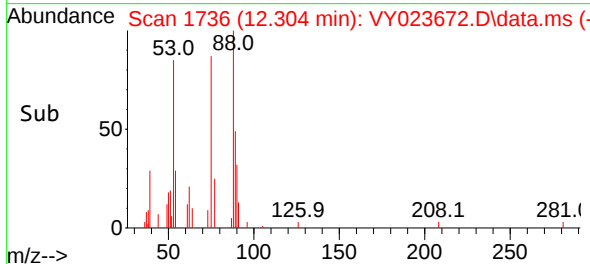
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 75 Resp: 255
Ion Ratio Lower Upper
75 100
53 3.3 69.6 104.4
89 4.4 38.2 57.4

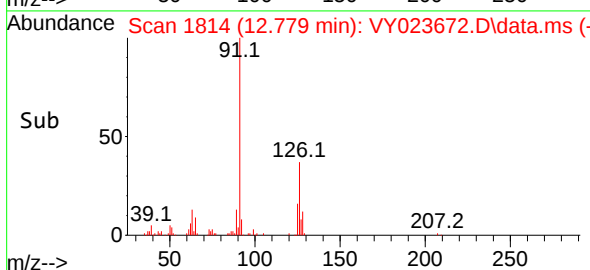
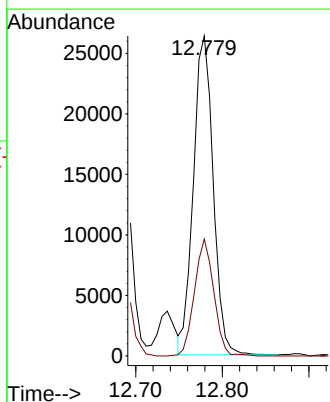
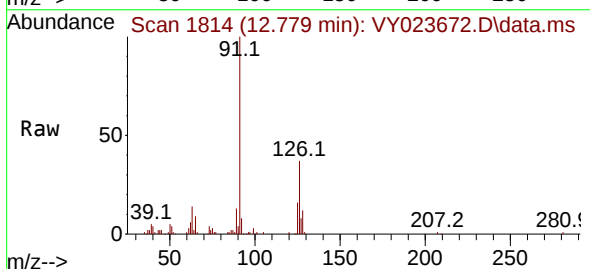
Manual Integrations
APPROVED

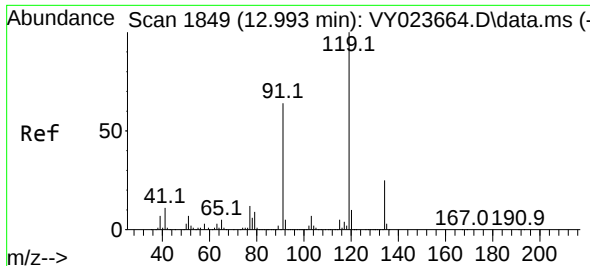
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#82
4-Chlorotoluene
Concen: 2.785 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

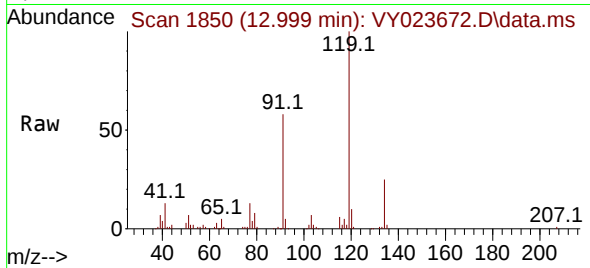
Tgt Ion: 91 Resp: 41870
Ion Ratio Lower Upper
91 100
126 35.8 18.1 54.4





#83
tert-Butylbenzene
Concen: 2.639 ug/l
RT: 12.999 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

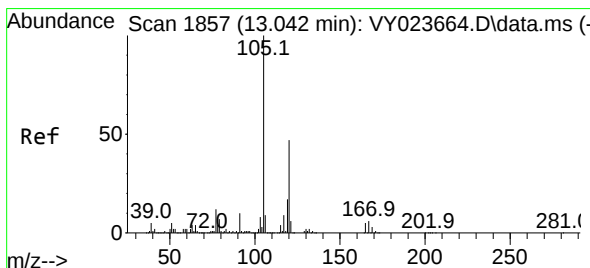
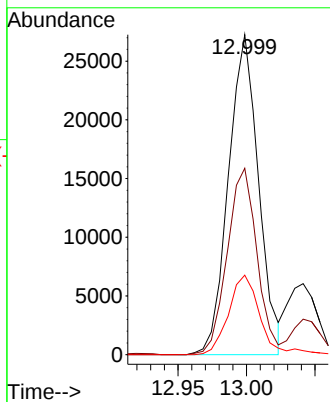
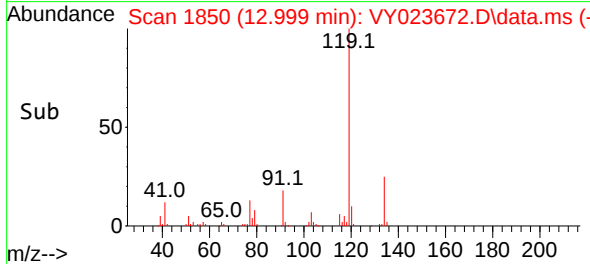
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:119 Resp: 41694
Ion Ratio Lower Upper
119 100
91 57.5 30.7 92.1
134 26.1 13.1 39.1

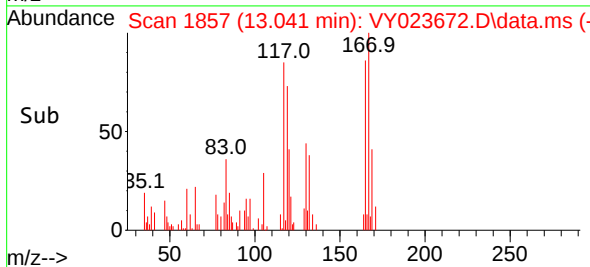
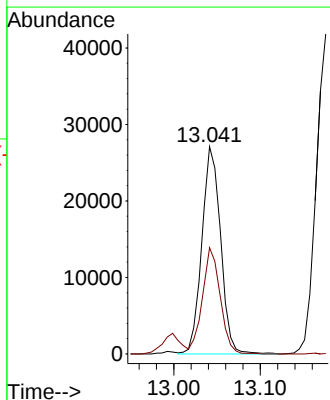
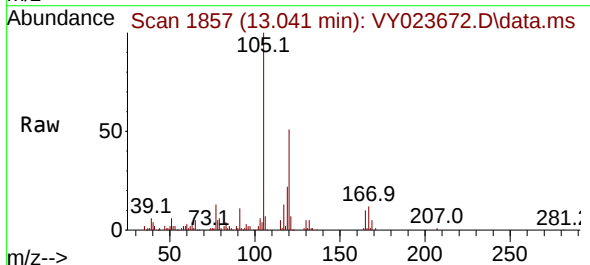
Manual Integrations
APPROVED

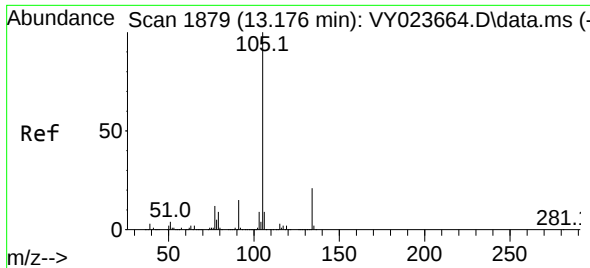
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#84
1,2,4-Trimethylbenzene
Concen: 2.375 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

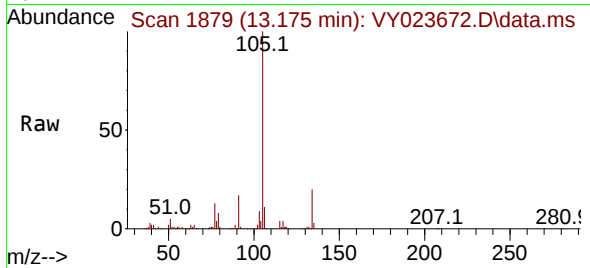
Tgt Ion:105 Resp: 40811
Ion Ratio Lower Upper
105 100
120 48.6 23.2 69.6





#85
 sec-Butylbenzene
 Concen: 2.710 ug/l
 RT: 13.175 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:08

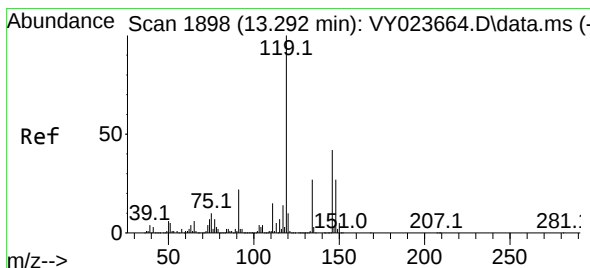
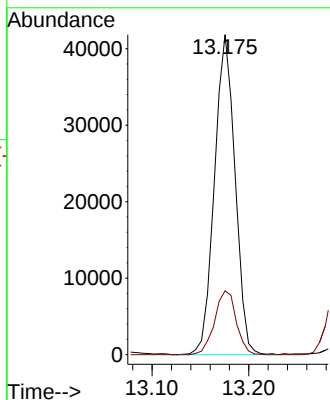
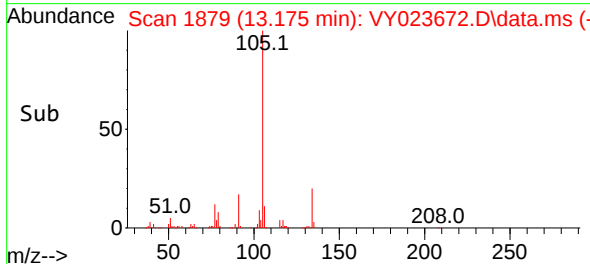
Instrument : MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025



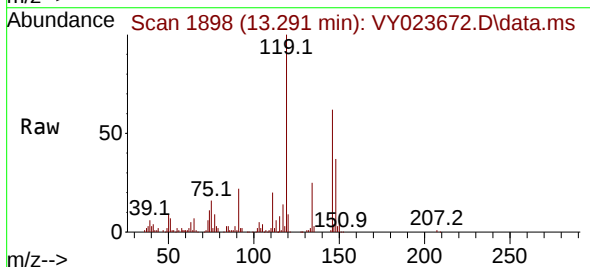
Tgt Ion:105 Resp: 61774
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4

Manual Integrations
 APPROVED

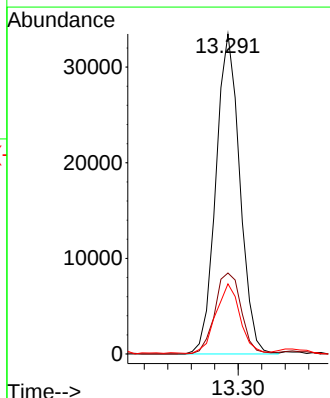
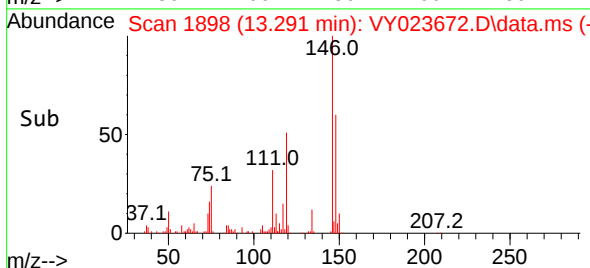
Reviewed By :Amit Patel 11/06/2025
 Supervised By :Semsettin Yesilyurt 11/06/2025

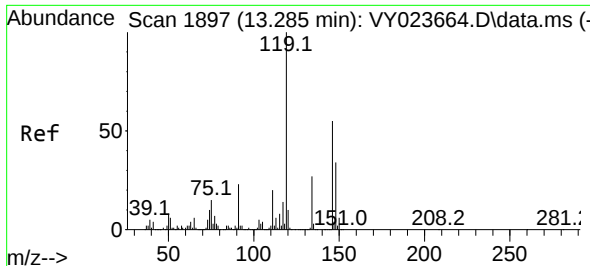


#86
 p-Isopropyltoluene
 Concen: 2.457 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY023672.D
 Acq: 04 Nov 2025 14:08



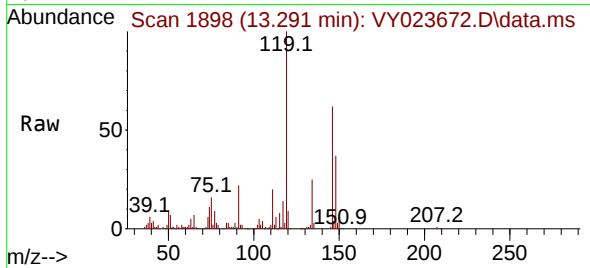
Tgt Ion:119 Resp: 47412
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.4 40.2
 91 22.6 11.1 33.1





#87
1,3-Dichlorobenzene
Concen: 2.930 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

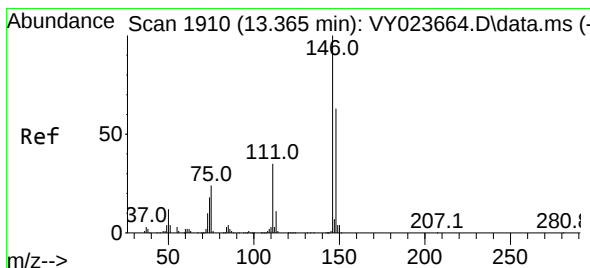
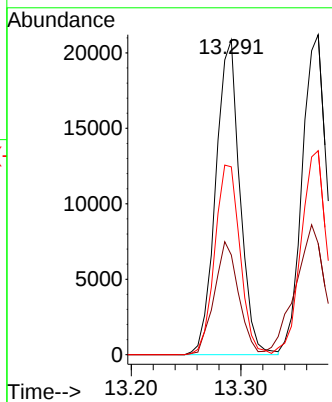
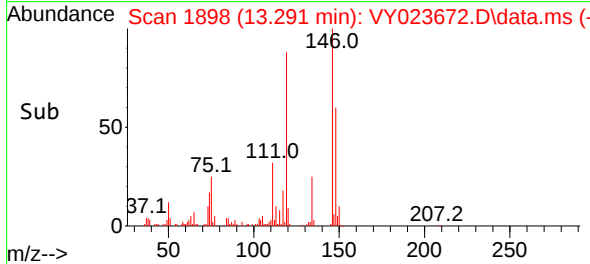
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



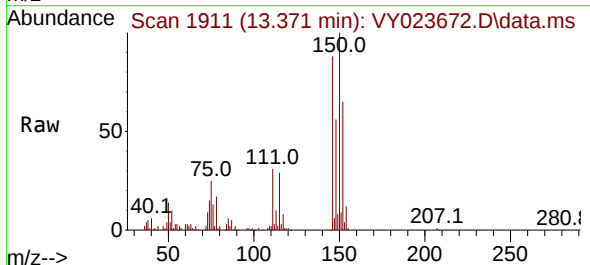
Tgt Ion:146 Resp: 31938
Ion Ratio Lower Upper
146 100
111 36.2 18.8 56.3
148 62.9 31.9 95.5

Manual Integrations
APPROVED

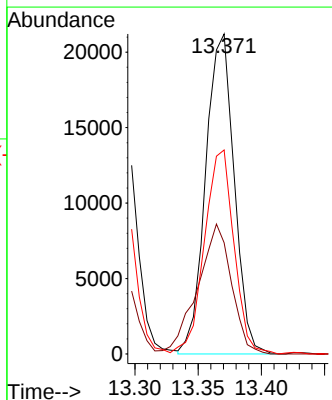
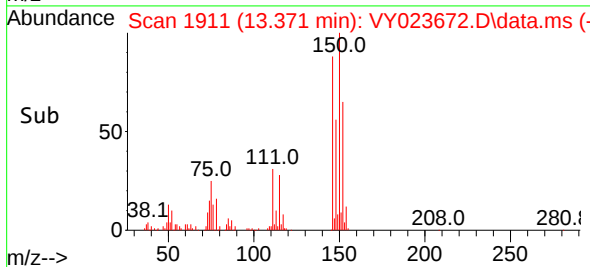
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

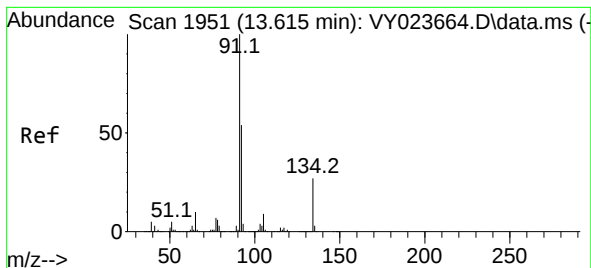


#88
1,4-Dichlorobenzene
Concen: 3.111 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



Tgt Ion:146 Resp: 33320
Ion Ratio Lower Upper
146 100
111 48.2 18.3 54.8
148 65.8 31.8 95.3





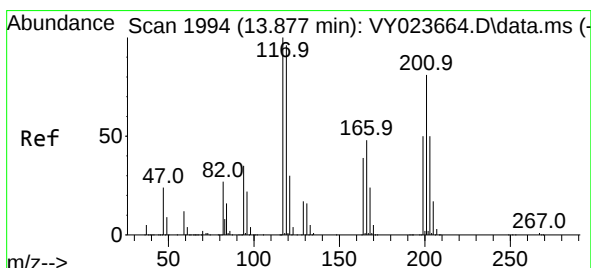
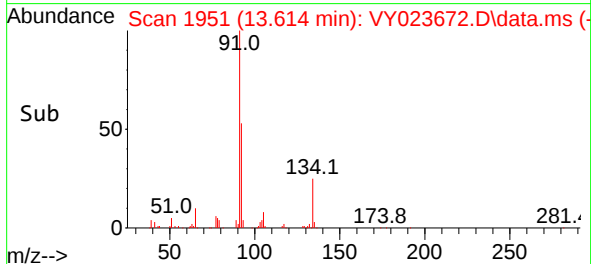
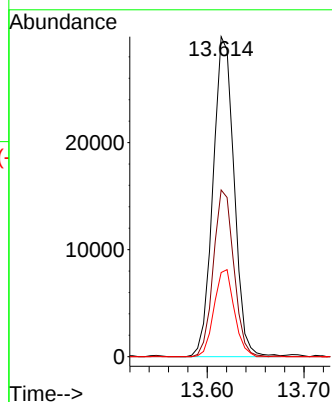
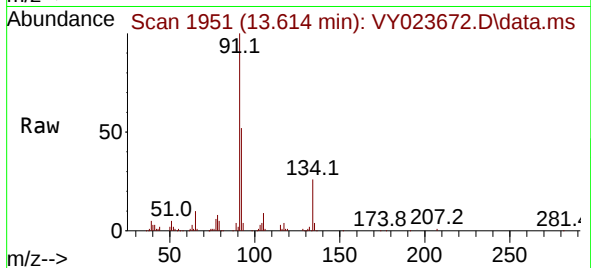
#89
n-Butylbenzene
Concen: 2.698 ug/l
RT: 13.614 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 91 Resp: 4526
Ion Ratio Lower Upper
91 100
92 50.5 26.5 79.4
134 26.1 13.7 41.1

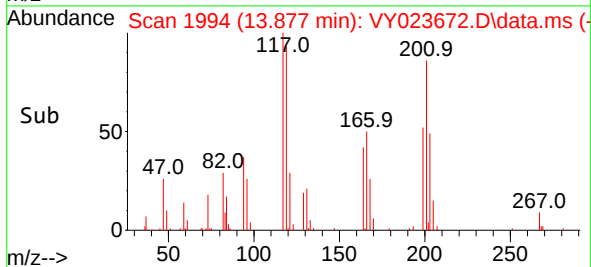
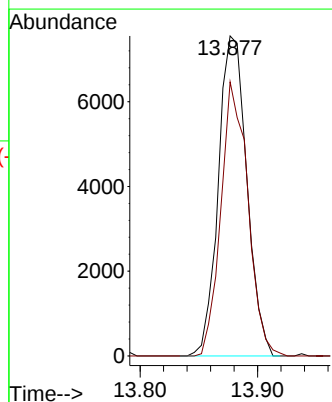
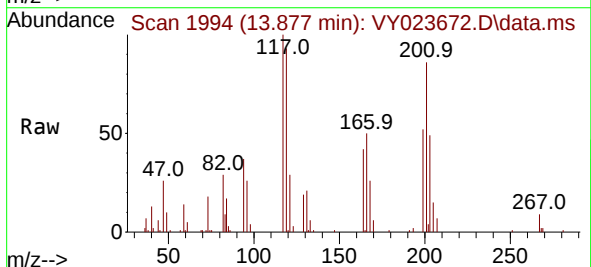
Manual Integrations
APPROVED

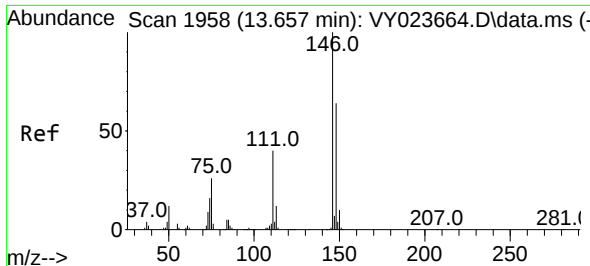
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#90
Hexachloroethane
Concen: 3.073 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

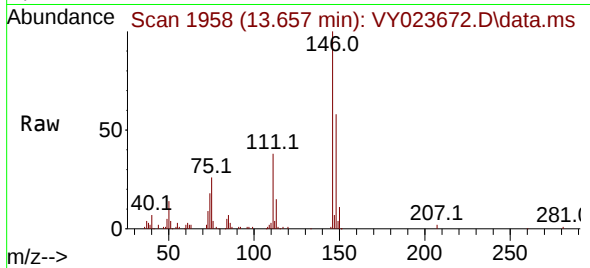
Tgt Ion:117 Resp: 12742
Ion Ratio Lower Upper
117 100
201 81.0 42.3 126.8





#91
1,2-Dichlorobenzene
Concen: 2.999 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

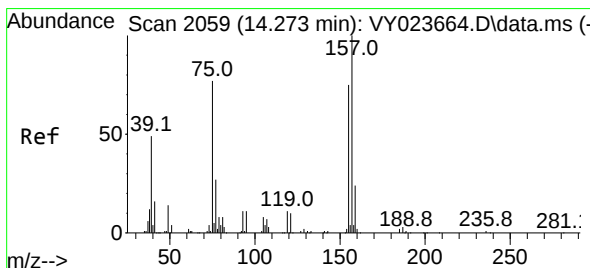
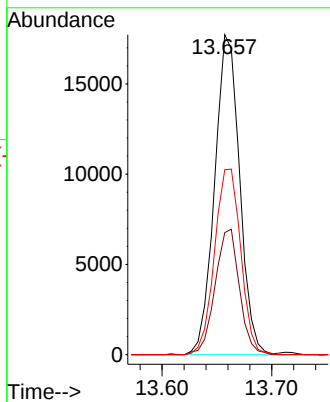
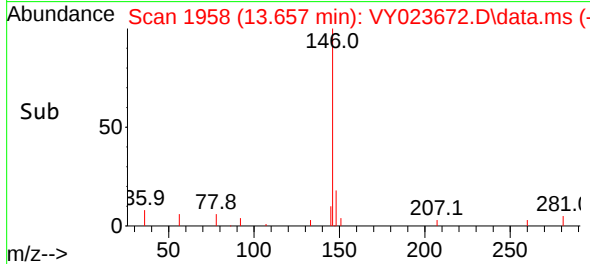
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



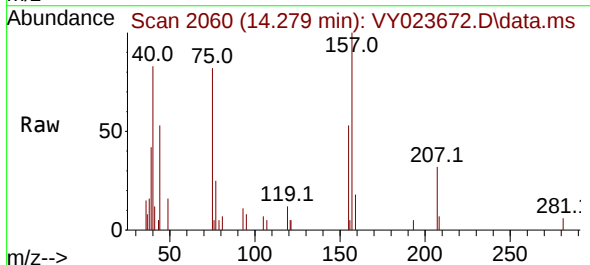
Tgt Ion:146 Resp: 28174
Ion Ratio Lower Upper
146 100
111 38.2 19.5 58.5
148 60.6 31.9 95.9

Manual Integrations
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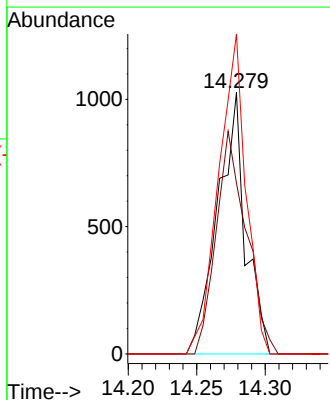
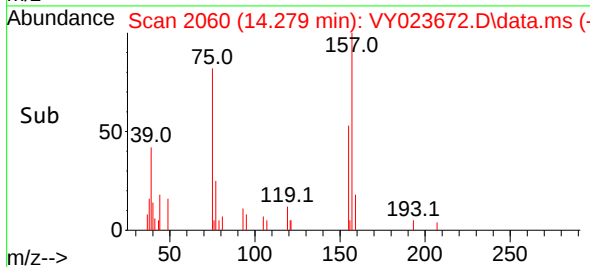
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

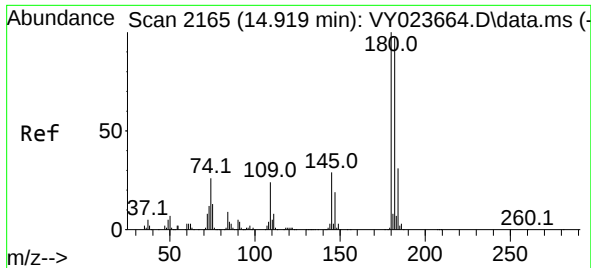


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.756 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



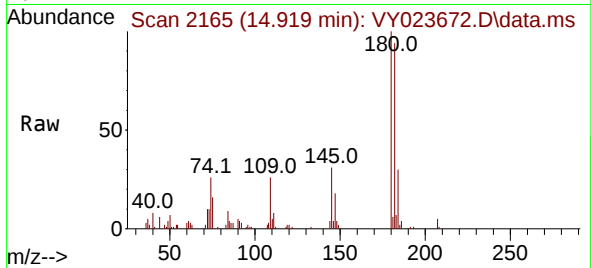
Tgt Ion: 75 Resp: 1447
Ion Ratio Lower Upper
75 100
155 92.9 49.4 148.2
157 121.5 63.2 189.8





#93
1,2,4-Trichlorobenzene
Concen: 2.883 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

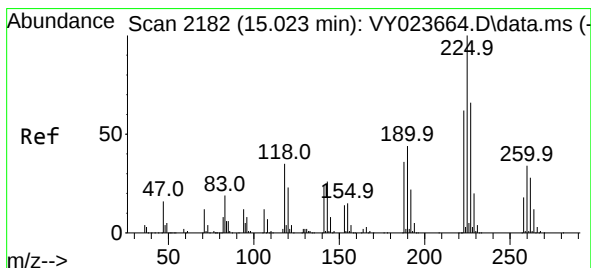
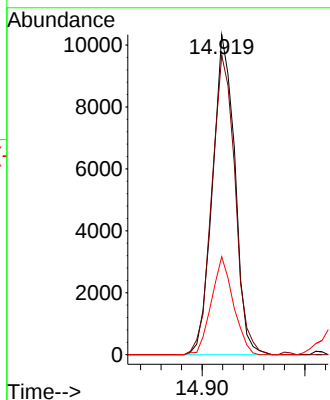
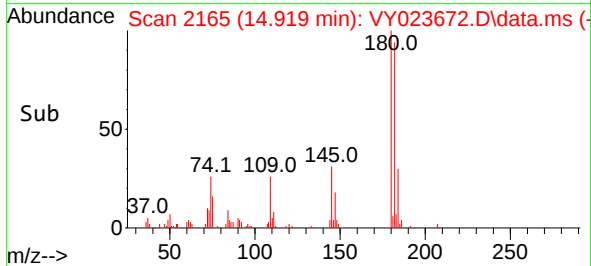
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



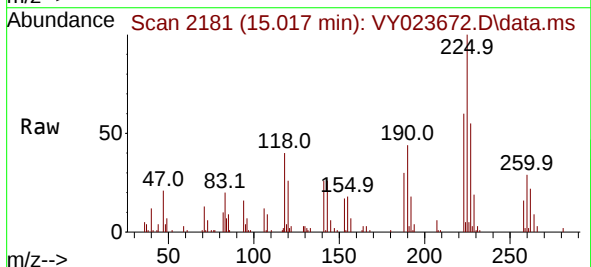
Tgt Ion:180 Resp: 1549
Ion Ratio Lower Upper
180 100
182 97.8 47.5 142.6
145 30.2 14.4 43.4

Manual Integrations
APPROVED

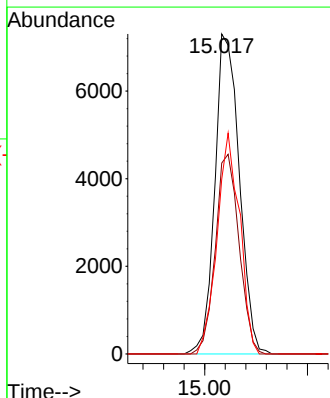
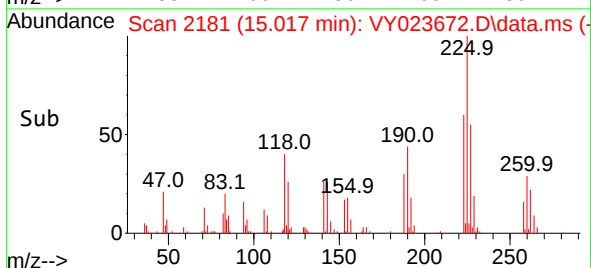
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

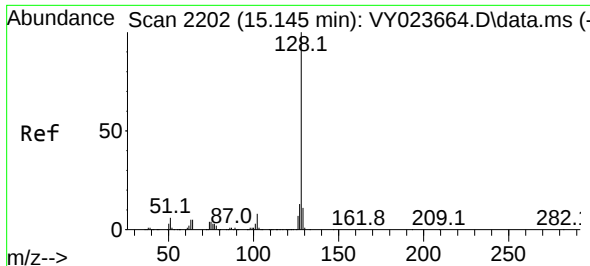


#94
Hexachlorobutadiene
Concen: 3.423 ug/l
RT: 15.017 min Scan# 2181
Delta R.T. -0.006 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



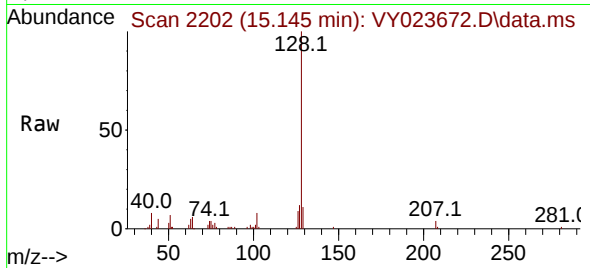
Tgt Ion:225 Resp: 12054
Ion Ratio Lower Upper
225 100
223 60.6 30.8 92.3
227 63.7 32.0 96.2





#95
Naphthalene
Concen: 2.567 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08

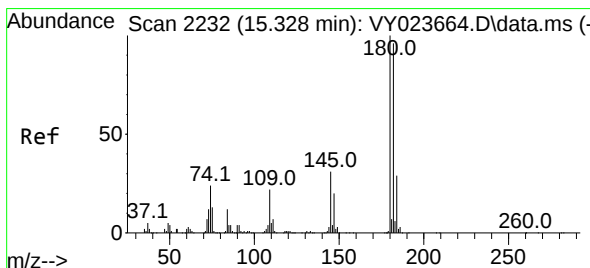
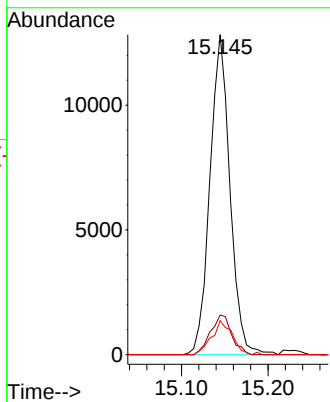
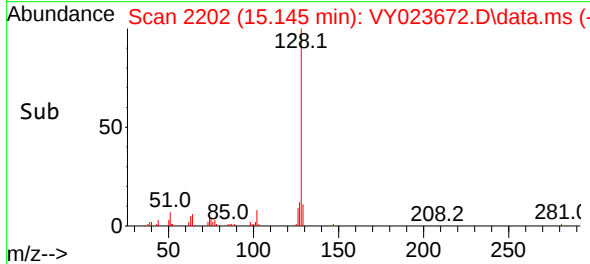
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



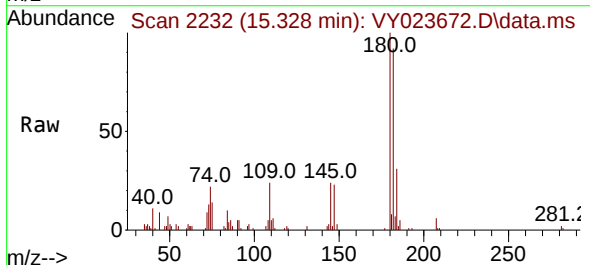
Tgt Ion:128 Resp: 20610
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.0 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 2.988 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023672.D
Acq: 04 Nov 2025 14:08



Tgt Ion:180 Resp: 13418
Ion Ratio Lower Upper
180 100
182 95.0 47.5 142.6
145 30.6 15.5 46.5

