

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023673.D
 Acq On : 04 Nov 2025 14:31
 Operator : SY/MD
 Sample : Q3530-01
 Misc : 5.00G/5mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Nov 05 05:07:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 05:07:16 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	546016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	855673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	724672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	345951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	236672	50.814	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.620%		
35) Dibromofluoromethane	7.634	113	259874	48.598	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.200%		
50) Toluene-d8	10.109	98	963982	48.394	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.780%		
62) 4-Bromofluorobenzene	12.407	95	296144	45.973	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	13243	3.695	ug/l	91
3) Chloromethane	2.074	50	20385	4.064	ug/l	96
4) Vinyl Chloride	2.208	62	26304	4.030	ug/l	94
5) Bromomethane	2.604	94	27660	5.038	ug/l	98
6) Chloroethane	2.738	64	19368	4.294	ug/l	94
7) Trichlorofluoromethane	3.068	101	36415	3.962	ug/l	96
8) Diethyl Ether	3.458	74	10562	4.285	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	20830	4.113	ug/l	98
10) Methyl Iodide	4.013	142	20805	3.479	ug/l	98
11) Tert butyl alcohol	4.854	59	7519	25.036	ug/l #	94
12) 1,1-Dichloroethene	3.799	96	19948	4.089	ug/l	96
13) Acrolein	3.653	56	9043	23.427	ug/l	99
14) Allyl chloride	4.397	41	24563	4.137	ug/l	98
15) Acrylonitrile	5.073	53	19337	20.528	ug/l	97
16) Acetone	3.872	43	20262	17.501	ug/l	89
17) Carbon Disulfide	4.116	76	63051	4.211	ug/l	98
18) Methyl Acetate	4.391	43	10824	4.239	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	44125	3.901	ug/l	98
20) Methylene Chloride	4.628	84	27235	4.873	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	22678	4.123	ug/l	93
22) Diisopropyl ether	6.018	45	49343	3.729	ug/l #	85
23) Vinyl Acetate	5.963	43	127812	18.102	ug/l	97
24) 1,1-Dichloroethane	5.915	63	36672	4.160	ug/l	98
25) 2-Butanone	6.902	43	23280	17.392	ug/l	94
26) 2,2-Dichloropropane	6.884	77	32796	4.045	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	25646	4.082	ug/l	98
28) Bromochloromethane	7.250	49	14348	4.251	ug/l	99
29) Tetrahydrofuran	7.262	42	13272	18.618	ug/l	99
30) Chloroform	7.427	83	39817	4.049	ug/l	100
31) Cyclohexane	7.713	56	36540	4.760	ug/l #	82
32) 1,1,1-Trichloroethane	7.622	97	36681	4.173	ug/l	99
36) 1,1-Dichloropropene	7.835	75	28073	3.929	ug/l	97
37) Ethyl Acetate	6.988	43	10280m	3.716	ug/l	
38) Carbon Tetrachloride	7.817	117	33932	4.030	ug/l	92
39) Methylcyclohexane	9.115	83	34251	3.751	ug/l	96
40) Benzene	8.085	78	88567	3.932	ug/l	98

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 Supervised By :Semsettin Yesilyurt 11/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	5206m	3.448	ug/l	
42) 1,2-Dichloroethane	8.158	62	22721	3.987	ug/l	97
43) Isopropyl Acetate	8.201	43	18808	3.619	ug/l	98
44) Trichloroethene	8.865	130	25806	3.989	ug/l	98
45) 1,2-Dichloropropane	9.146	63	19506	3.924	ug/l	96
46) Dibromomethane	9.231	93	11601	3.767	ug/l	98
47) Bromodichloromethane	9.426	83	29735	3.829	ug/l	97
48) Methyl methacrylate	9.219	41	8028	3.269	ug/l	93
49) 1,4-Dioxane	9.225	88	2235	70.907	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	44642	16.151	ug/l	99
52) Toluene	10.170	92	55316	3.847	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	23912	3.639	ug/l	93
54) cis-1,3-Dichloropropene	9.859	75	29158	3.704	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	15840	3.848	ug/l	89
56) Ethyl methacrylate	10.444	69	14545	3.207	ug/l	97
57) 1,3-Dichloropropane	10.719	76	24810	3.800	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	29184	14.024	ug/l	98
59) 2-Hexanone	10.761	43	28844	14.304	ug/l	96
60) Dibromochloromethane	10.914	129	20784	3.675	ug/l	95
61) 1,2-Dibromoethane	11.017	107	14394	3.726	ug/l	97
64) Tetrachloroethene	10.646	164	29675	3.934	ug/l	98
65) Chlorobenzene	11.444	112	62910	3.988	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	21740	3.897	ug/l	96
67) Ethyl Benzene	11.517	91	93345	3.656	ug/l	98
68) m/p-Xylenes	11.627	106	72946	7.151	ug/l	98
69) o-Xylene	11.956	106	32787	3.477	ug/l	97
70) Styrene	11.969	104	51844	3.332	ug/l	99
71) Bromoform	12.133	173	12808	3.931	ug/l #	100
73) Isopropylbenzene	12.255	105	83401	3.605	ug/l	99
74) N-amyl acetate	12.066	43	12223	3.120	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	14992	4.057	ug/l	93
76) 1,2,3-Trichloropropane	12.554	75	14279m	5.100	ug/l	
77) Bromobenzene	12.529	156	25375	4.228	ug/l	99
78) n-propylbenzene	12.596	91	103265	3.794	ug/l	99
79) 2-Chlorotoluene	12.676	91	62647	3.967	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	67862	3.610	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	4608	3.719	ug/l	97
82) 4-Chlorotoluene	12.773	91	62813	3.857	ug/l	99
83) tert-Butylbenzene	12.999	119	62450	3.647	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	65557	3.521	ug/l	98
85) sec-Butylbenzene	13.176	105	88928	3.601	ug/l	98
86) p-Isopropyltoluene	13.291	119	73224	3.503	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	45462	3.849	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	49420	4.259	ug/l	95
89) n-Butylbenzene	13.615	91	64908	3.570	ug/l	99
90) Hexachloroethane	13.877	117	19409	4.320	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	40340	3.963	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2283	4.012	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	20804	3.573	ug/l	97
94) Hexachlorobutadiene	15.023	225	15989	4.191	ug/l	98
95) Naphthalene	15.145	128	27248	3.132	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	17470	3.591	ug/l	98

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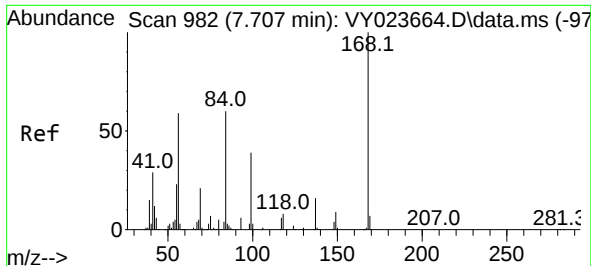
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Wed Nov 05 05:07:16 2025
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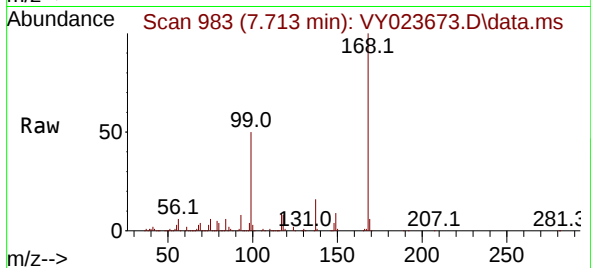
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
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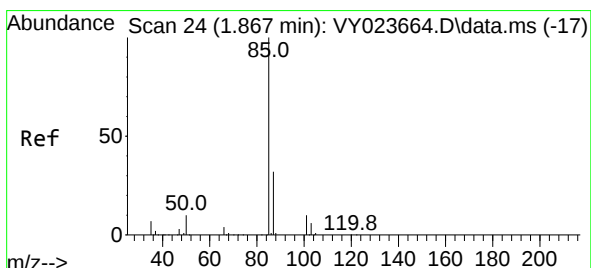
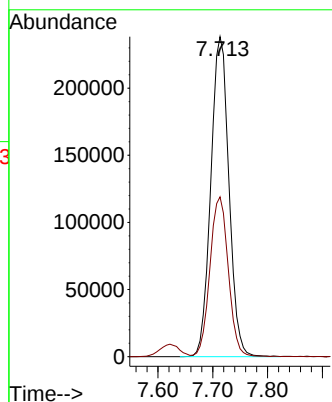
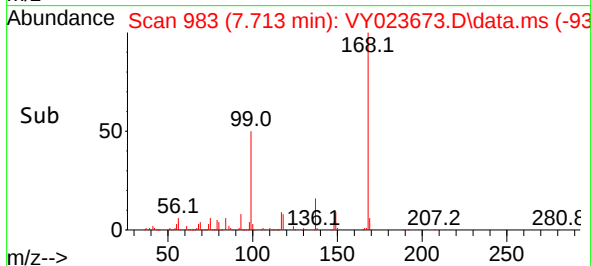
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:168 Resp: 546010
Ion Ratio Lower Upper
168 100
99 49.9 41.0 61.4

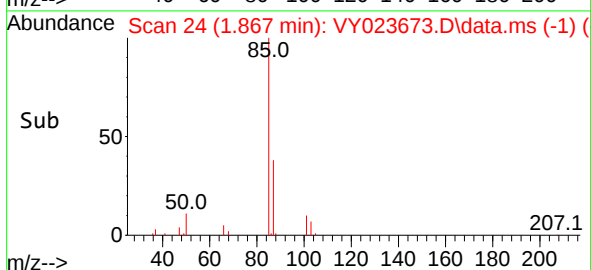
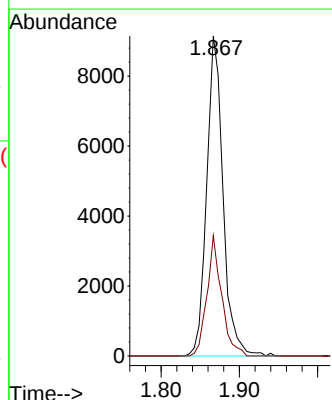
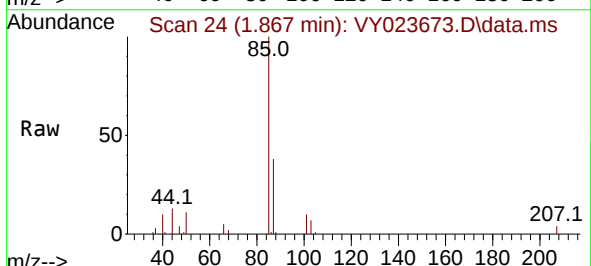
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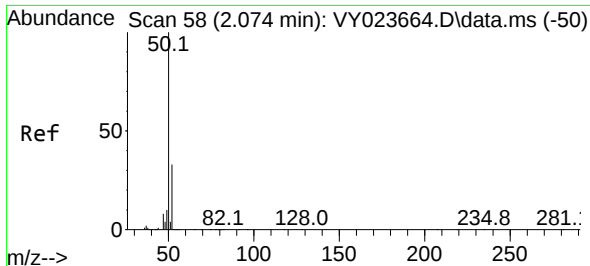
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#2
Dichlorodifluoromethane
Concen: 3.695 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

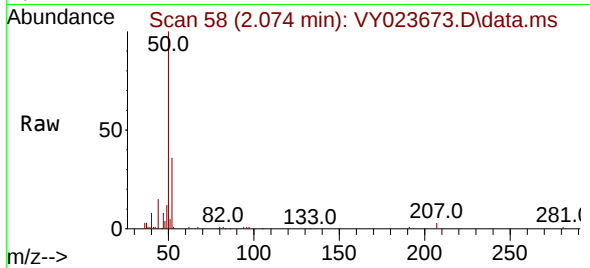
Tgt Ion: 85 Resp: 13243
Ion Ratio Lower Upper
85 100
87 37.6 16.2 48.6





#3
Chloromethane
Concen: 4.064 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

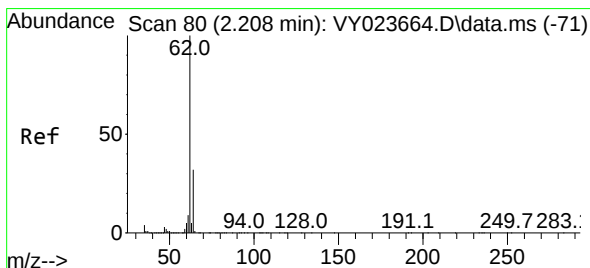
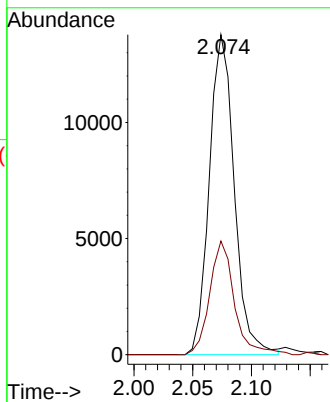
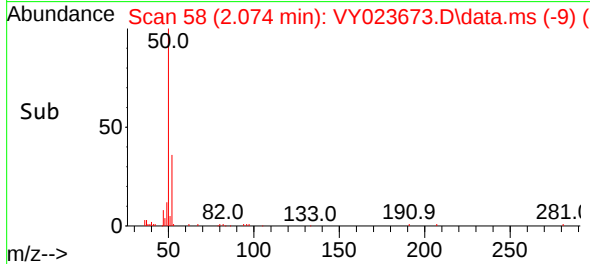
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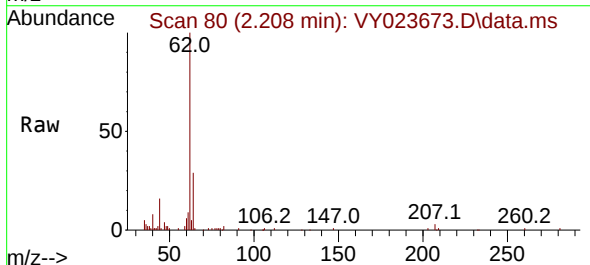
Tgt Ion: 50 Resp: 20385
Ion Ratio Lower Upper
50 100
52 35.5 26.5 39.7

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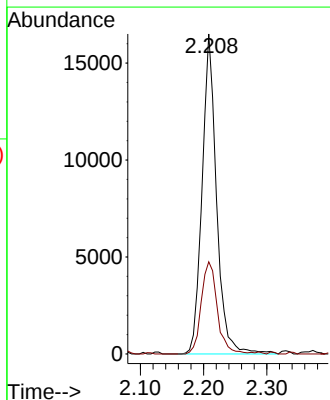
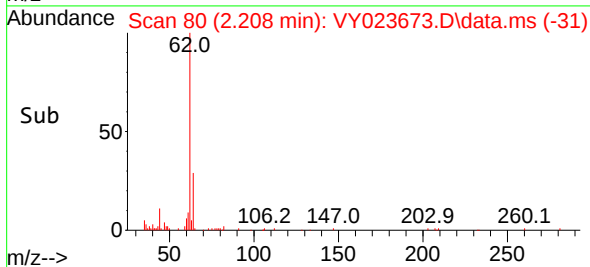
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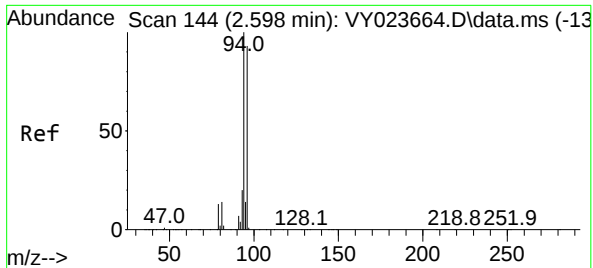


#4
Vinyl Chloride
Concen: 4.030 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



Tgt Ion: 62 Resp: 26304
Ion Ratio Lower Upper
62 100
64 28.8 25.7 38.5





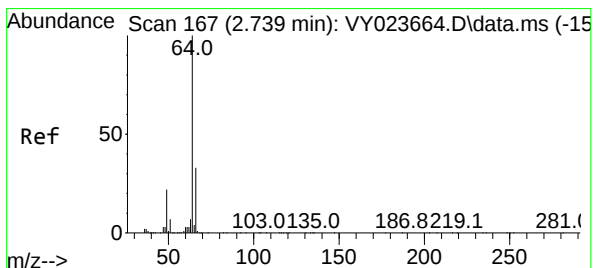
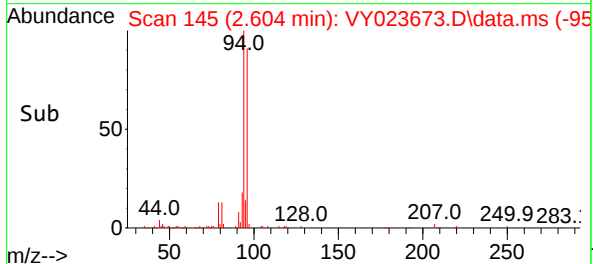
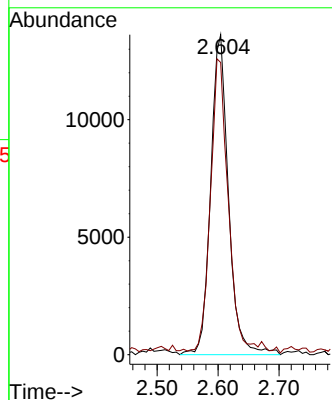
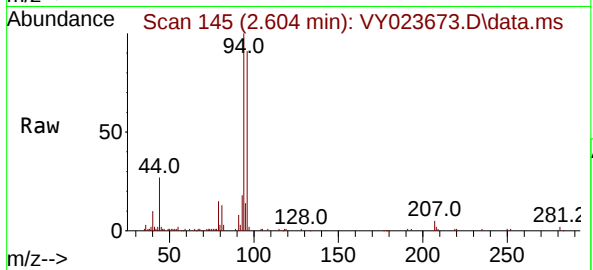
#5
Bromomethane
Concen: 5.038 ug/l
RT: 2.604 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY023673.D
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Tgt Ion: 94 Resp: 27660
Ion Ratio Lower Upper
94 100
96 90.7 74.4 111.6

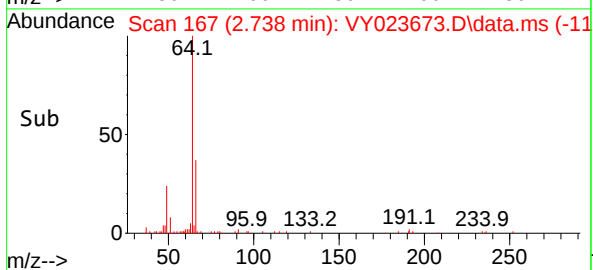
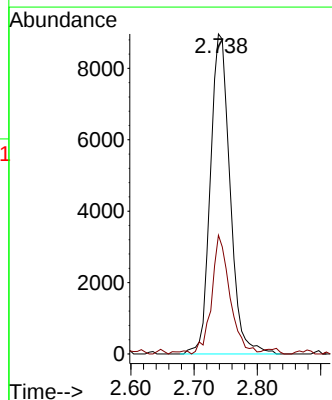
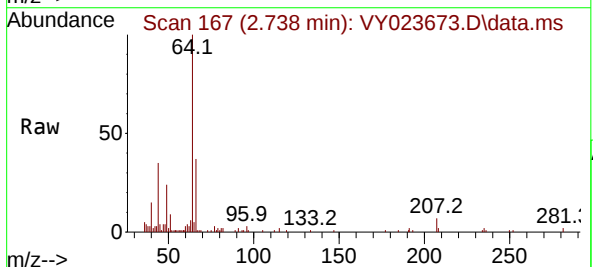
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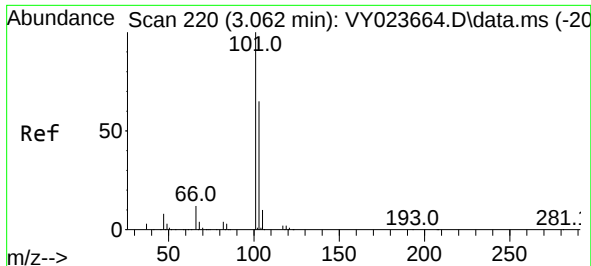
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#6
Chloroethane
Concen: 4.294 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

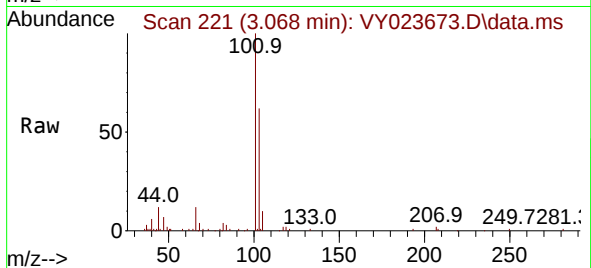
Tgt Ion: 64 Resp: 19368
Ion Ratio Lower Upper
64 100
66 36.5 26.2 39.4





#7
 Trichlorofluoromethane
 Concen: 3.962 ug/l
 RT: 3.068 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:31

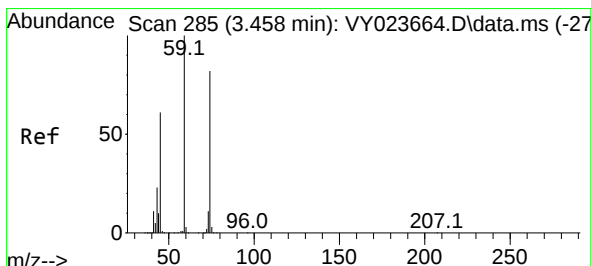
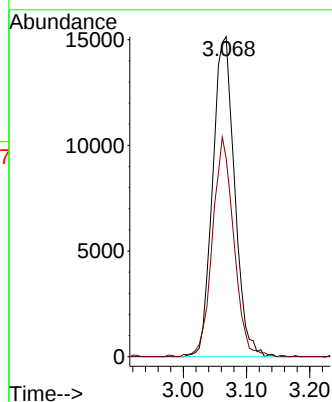
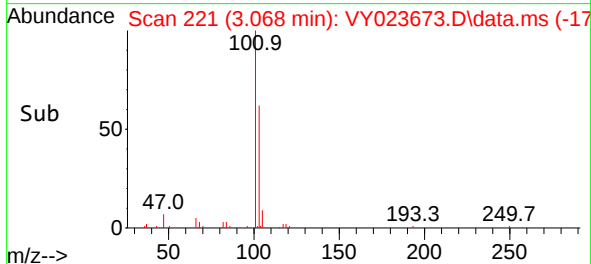
Instrument :
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Tgt Ion:101 Resp: 3641
 Ion Ratio Lower Upper
 101 100
 103 62.1 52.1 78.1

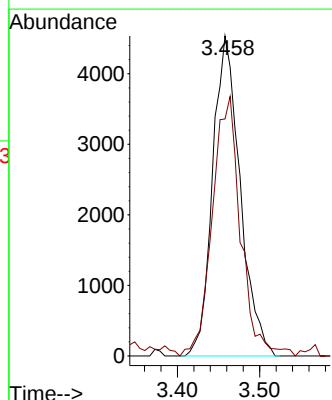
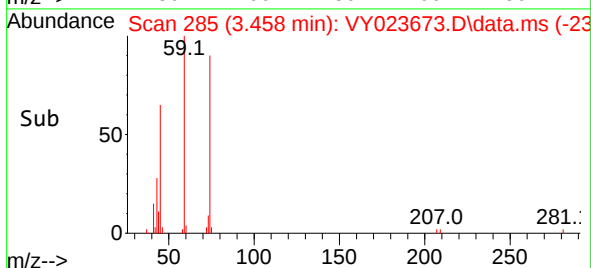
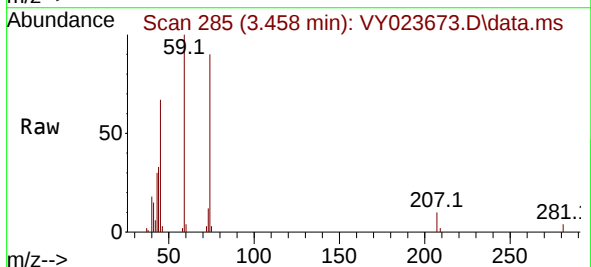
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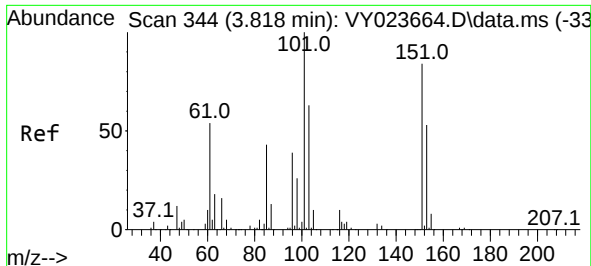
Reviewed By :Amit Patel 11/06/2025
 Supervised By :Semsettin Yesilyurt 11/06/2025



#8
 Diethyl Ether
 Concen: 4.285 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:31

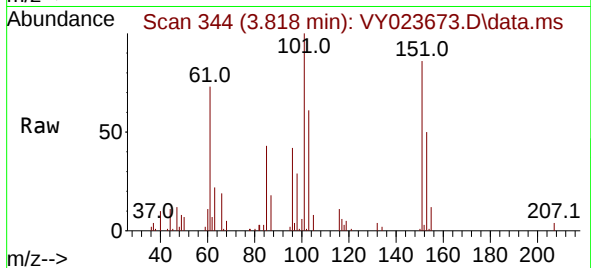
Tgt Ion: 74 Resp: 10562
 Ion Ratio Lower Upper
 74 100
 45 83.2 40.6 121.7





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.113 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

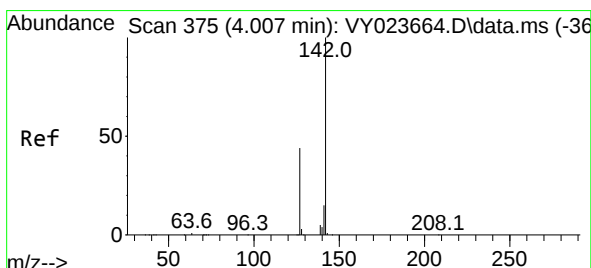
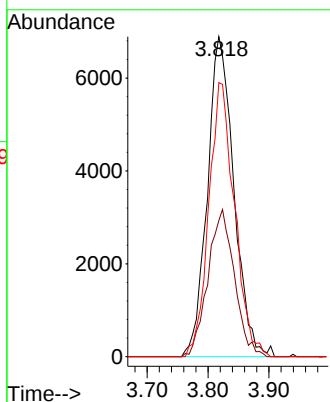
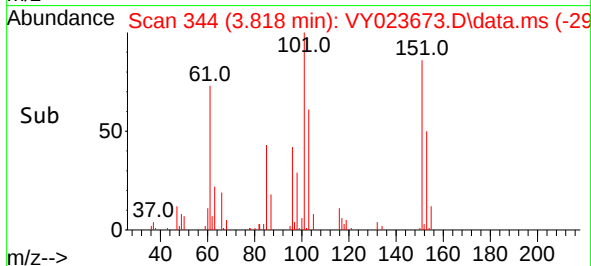
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



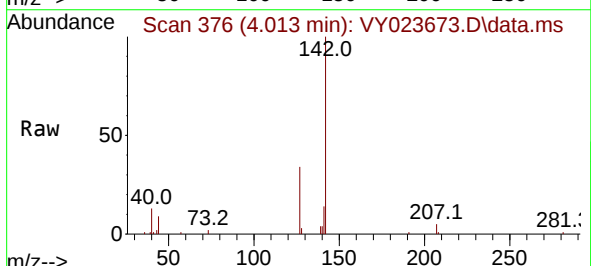
Tgt Ion:101 Resp: 20830
Ion Ratio Lower Upper
101 100
85 46.0 34.4 51.6
151 83.2 65.6 98.4

Manual Integrations
APPROVED

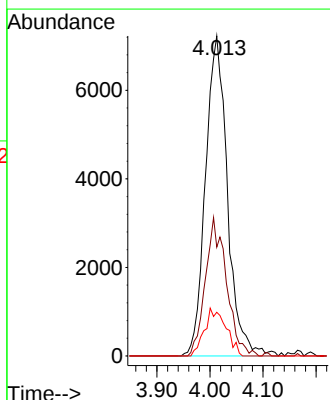
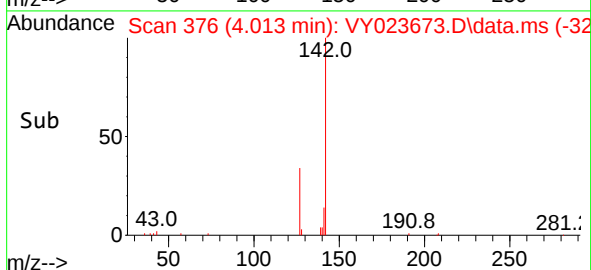
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

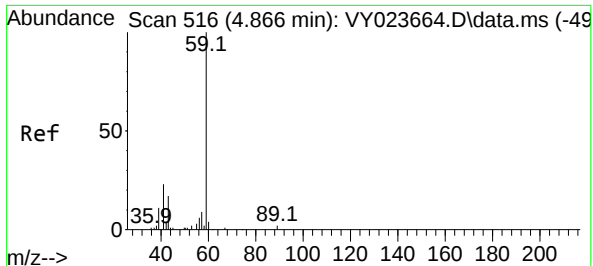


#10
Methyl Iodide
Concen: 3.479 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



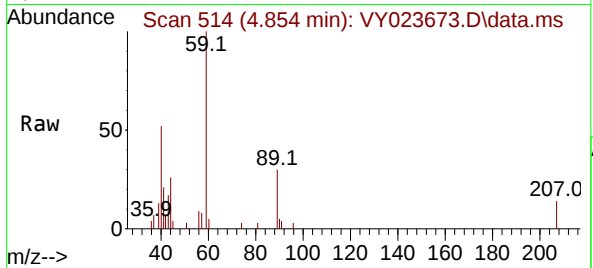
Tgt Ion:142 Resp: 20805
Ion Ratio Lower Upper
142 100
127 41.7 34.6 51.8
141 14.6 11.6 17.4





#11
Tert butyl alcohol
Concen: 25.036 ug/l
RT: 4.854 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

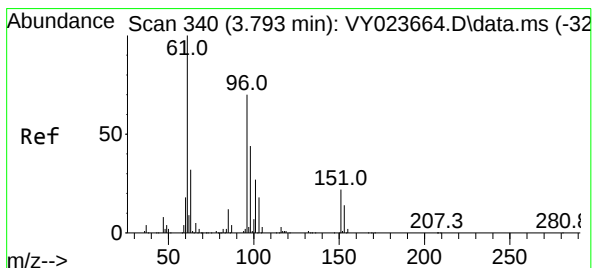
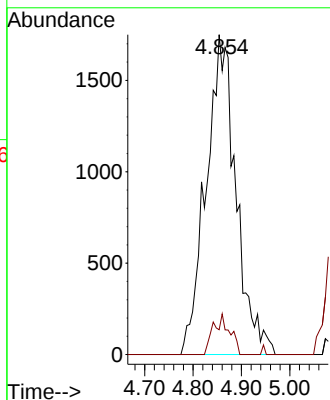
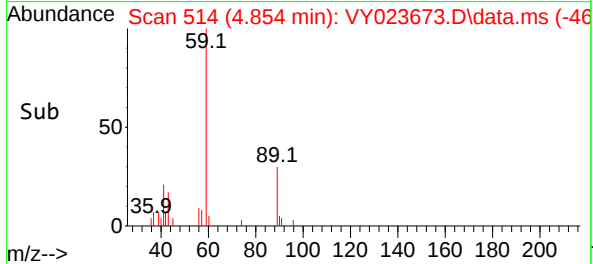
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



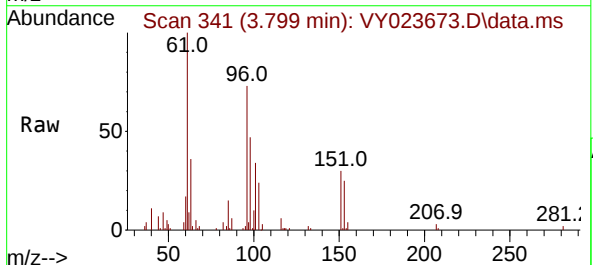
Tgt Ion: 59 Resp: 7519
Ion Ratio Lower Upper
59 100
57 7.0 7.4 11.2

Manual Integrations
APPROVED

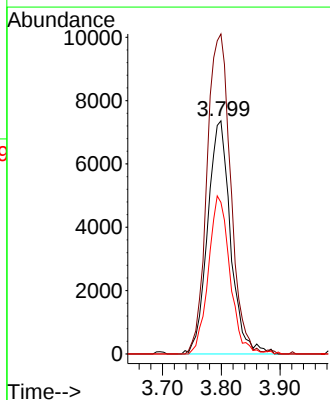
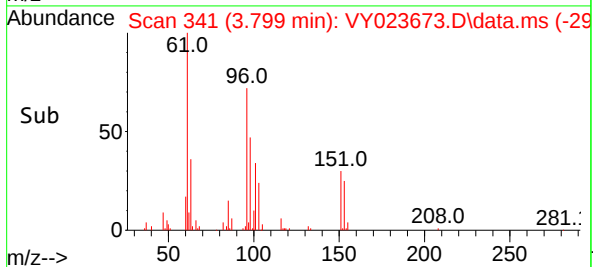
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

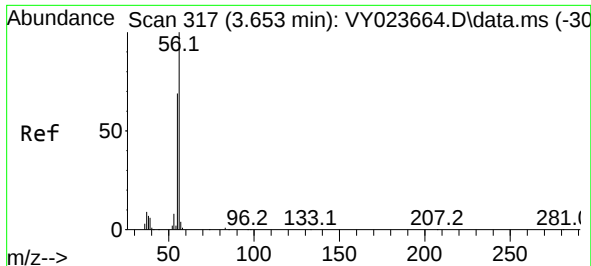


#12
1,1-Dichloroethene
Concen: 4.089 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



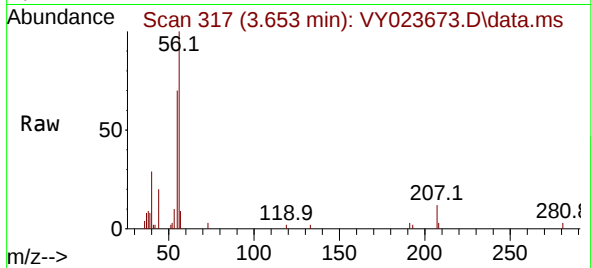
Tgt Ion: 96 Resp: 19948
Ion Ratio Lower Upper
96 100
61 137.3 114.0 171.0
98 65.0 50.2 75.2





#13
Acrolein
Concen: 23.427 ug/l
RT: 3.653 min Scan# 317
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

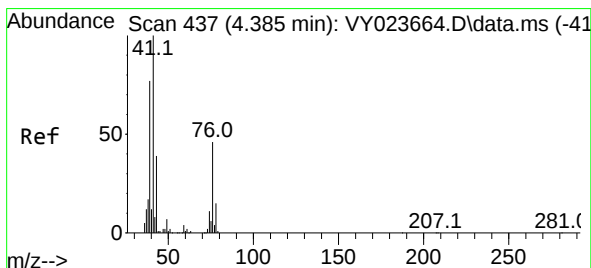
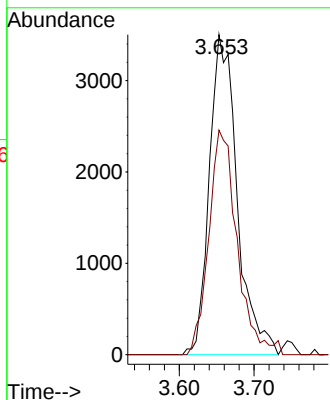
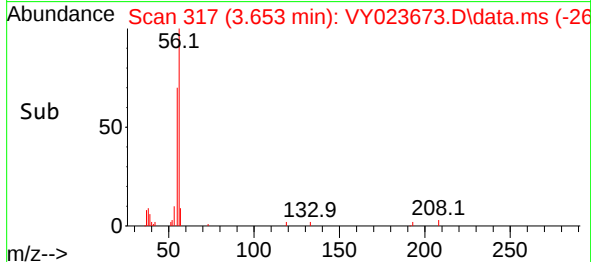
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



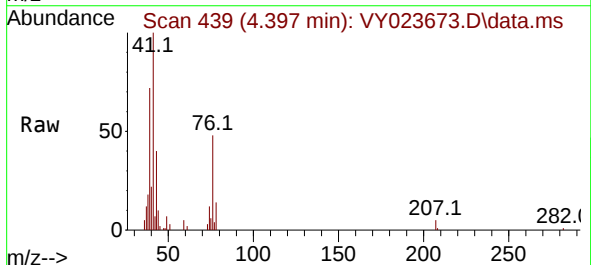
Tgt Ion: 56 Resp: 904
Ion Ratio Lower Upper
56 100
55 71.4 56.6 84.8

Manual Integrations
APPROVED

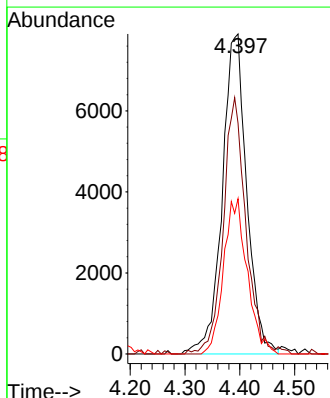
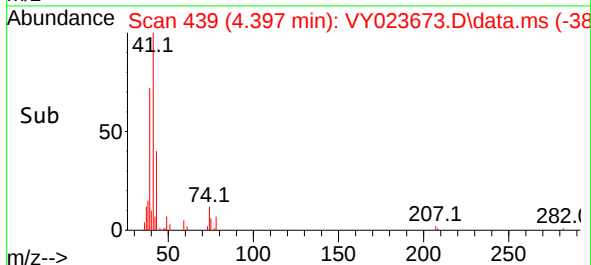
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

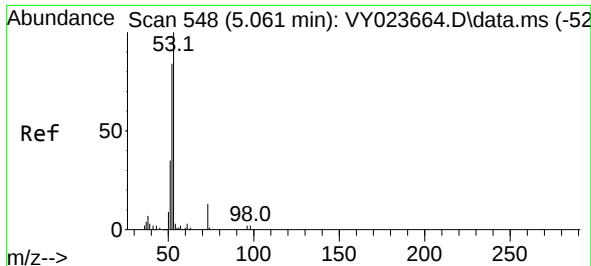


#14
Allyl chloride
Concen: 4.137 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.012 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



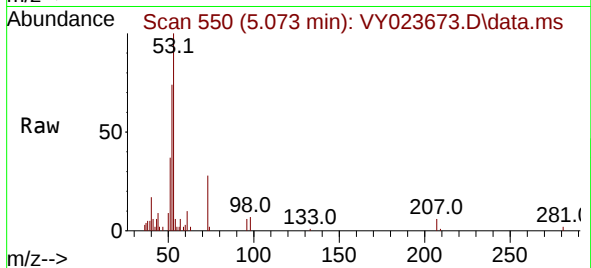
Tgt Ion: 41 Resp: 24563
Ion Ratio Lower Upper
41 100
39 73.5 60.4 90.6
76 46.7 38.0 57.0





#15
Acrylonitrile
Concen: 20.528 ug/l
RT: 5.073 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

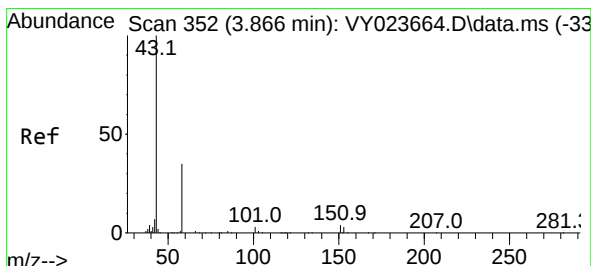
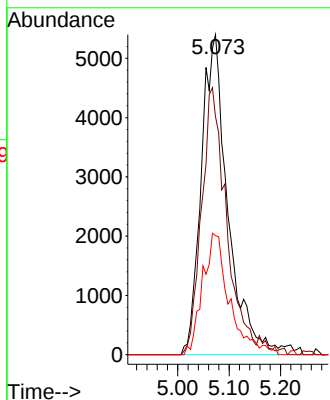
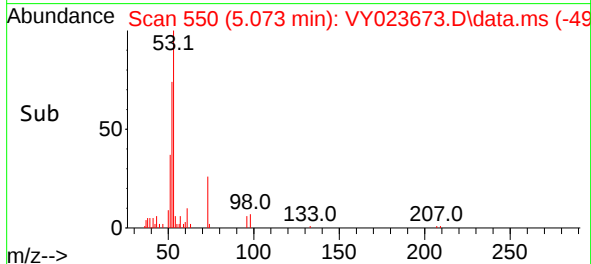
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



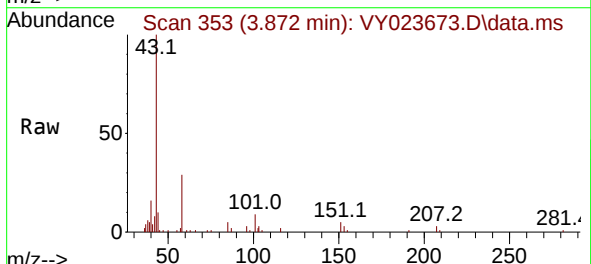
Tgt Ion: 53 Resp: 1933
Ion Ratio Lower Upper
53 100
52 78.0 64.9 97.3
51 38.6 29.4 44.0

Manual Integrations
APPROVED

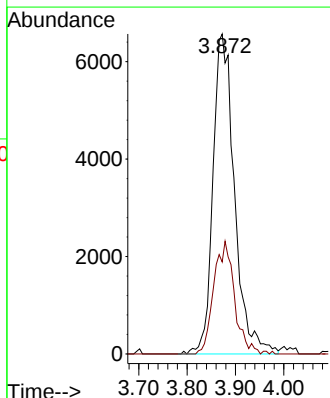
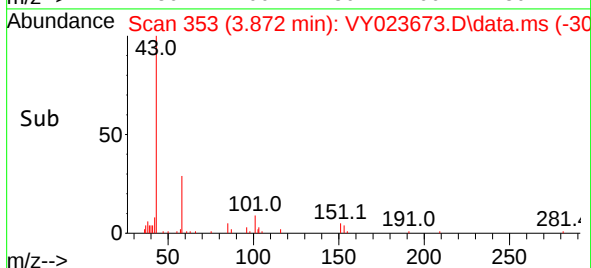
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

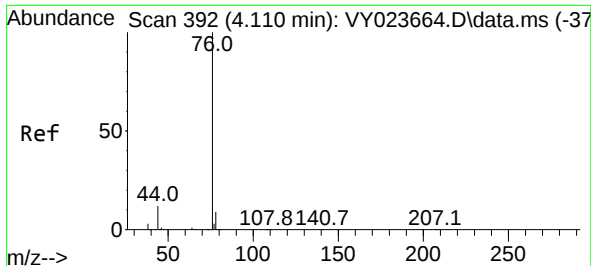


#16
Acetone
Concen: 17.501 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



Tgt Ion: 43 Resp: 20262
Ion Ratio Lower Upper
43 100
58 28.8 28.2 42.4





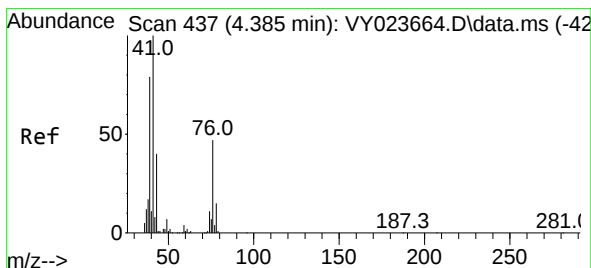
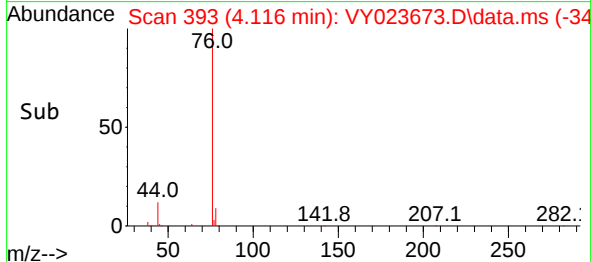
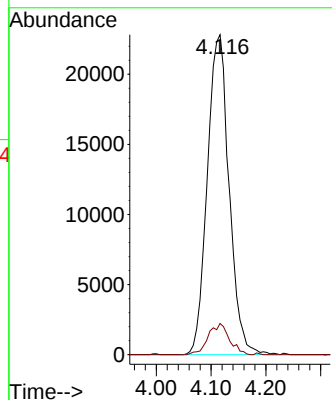
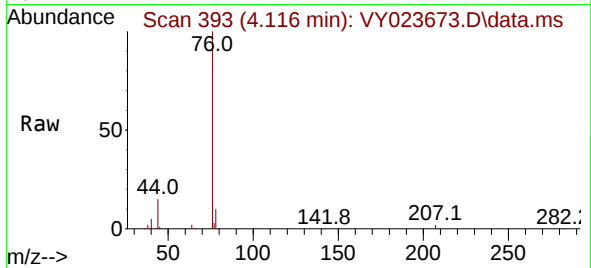
#17
Carbon Disulfide
Concen: 4.211 ug/l
RT: 4.116 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

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

Tgt Ion: 76 Resp: 6305
Ion Ratio Lower Upper
76 100
78 9.8 7.1 10.7

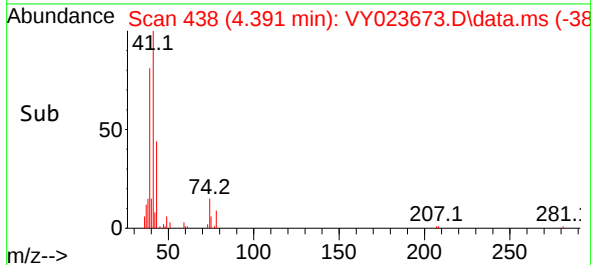
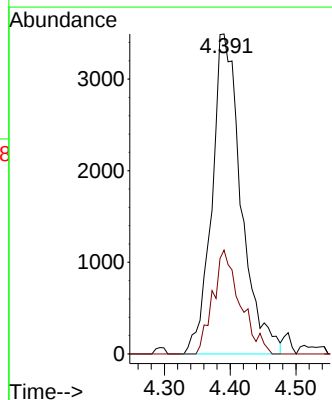
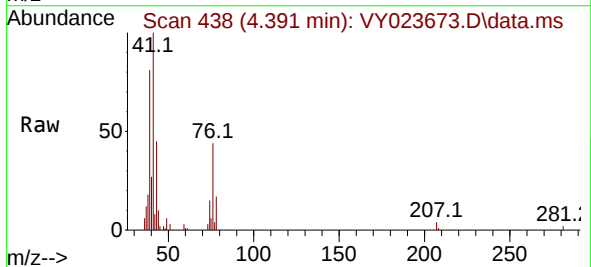
Manual Integrations
APPROVED

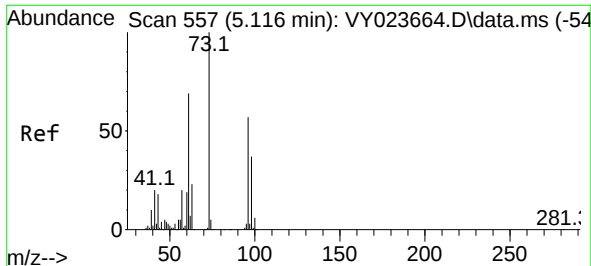
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#18
Methyl Acetate
Concen: 4.239 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

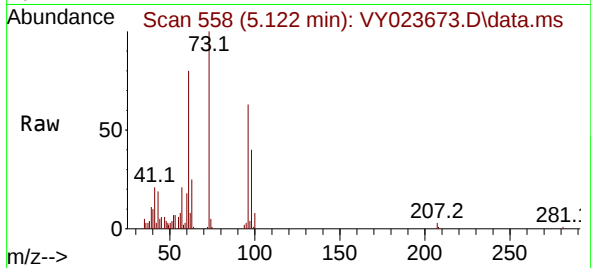
Tgt Ion: 43 Resp: 10824
Ion Ratio Lower Upper
43 100
74 30.1 22.5 33.7





#19
Methyl tert-butyl Ether
Concen: 3.901 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

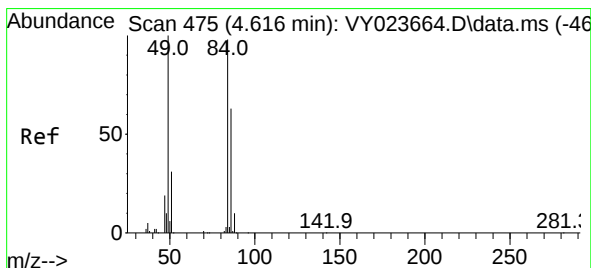
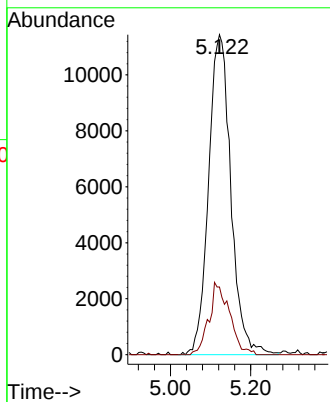
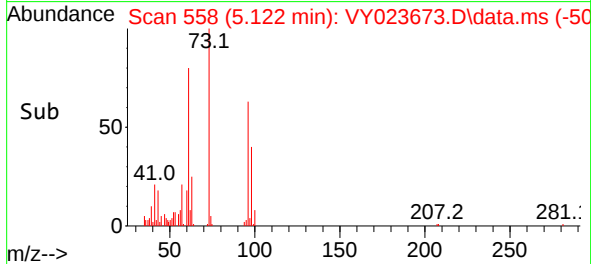
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



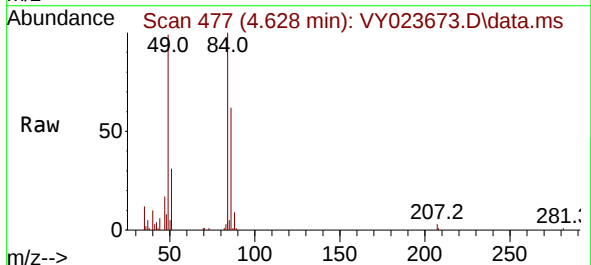
Tgt Ion: 73 Resp: 4412
Ion Ratio Lower Upper
73 100
57 21.2 16.1 24.1

Manual Integrations
APPROVED

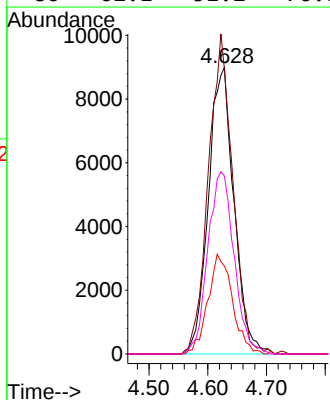
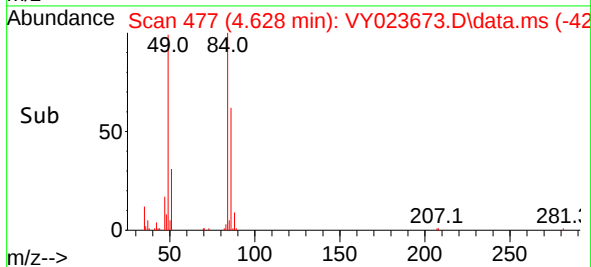
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

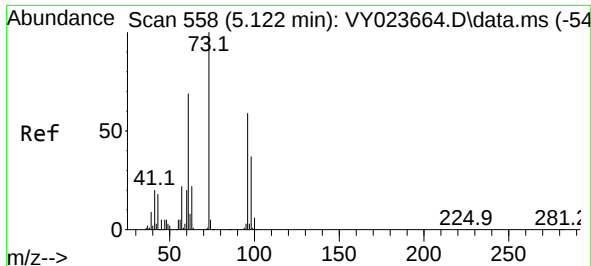


#20
Methylene Chloride
Concen: 4.873 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



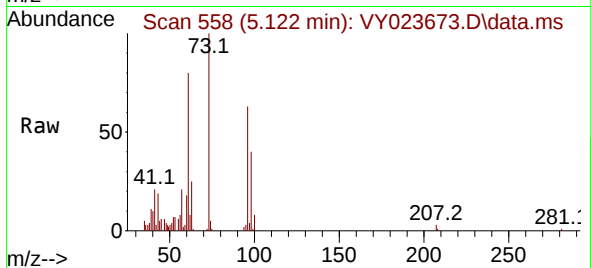
Tgt Ion: 84 Resp: 27235
Ion Ratio Lower Upper
84 100
49 99.2 81.5 122.3
51 30.6 25.5 38.3
86 62.1 51.2 76.8





#21
trans-1,2-Dichloroethene
Concen: 4.123 ug/l
RT: 5.122 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

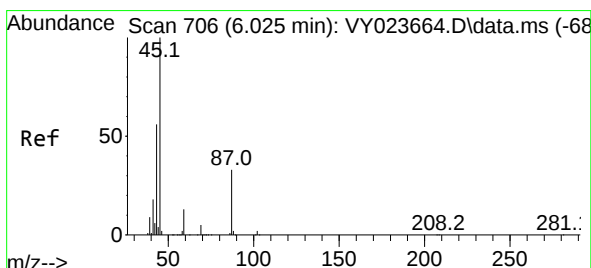
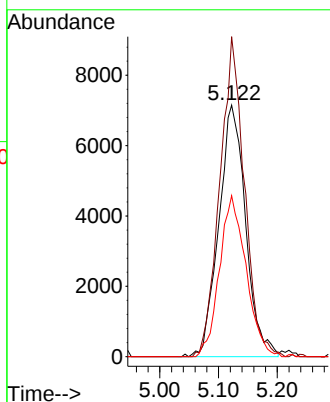
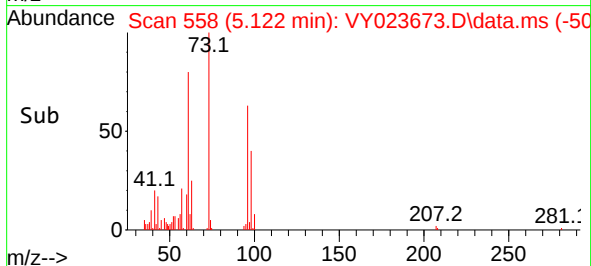
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



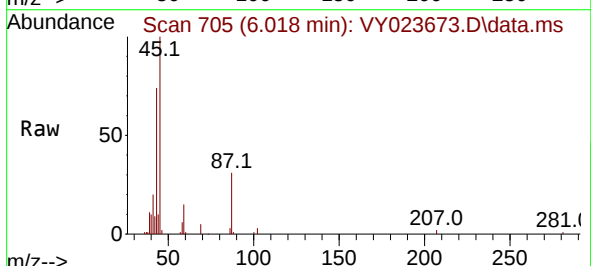
Tgt Ion: 96 Resp: 22678
Ion Ratio Lower Upper
96 100
61 127.2 93.3 139.9
98 64.0 50.6 75.8

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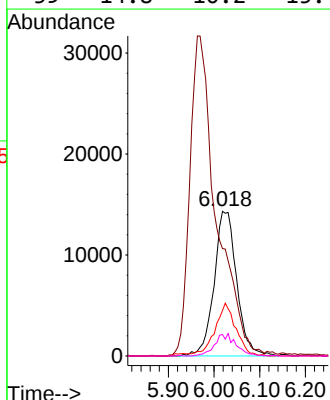
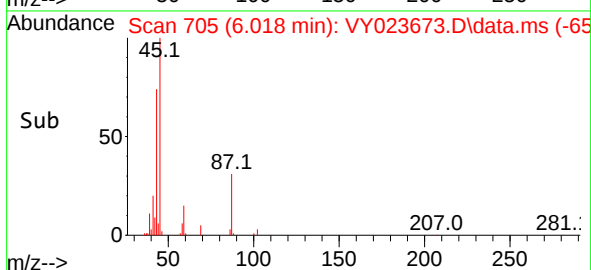
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

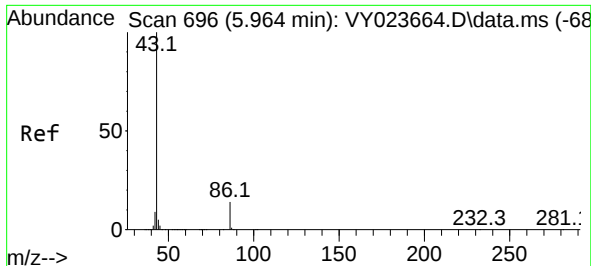


#22
Diisopropyl ether
Concen: 3.729 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



Tgt Ion: 45 Resp: 49343
Ion Ratio Lower Upper
45 100
43 73.0 44.7 67.1#
87 31.0 27.2 40.8
59 14.8 10.2 15.4





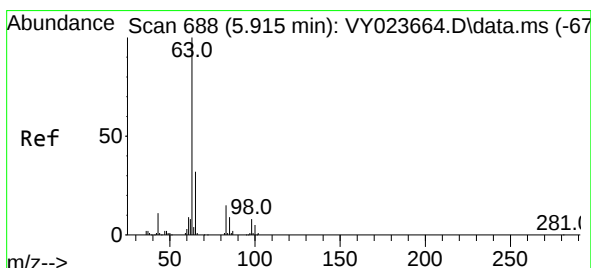
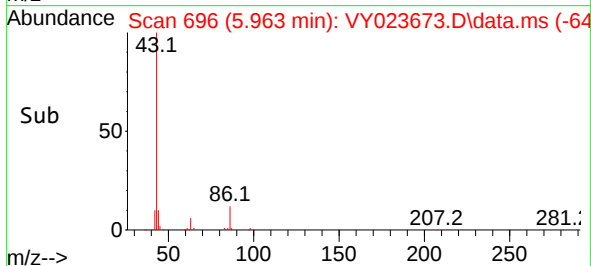
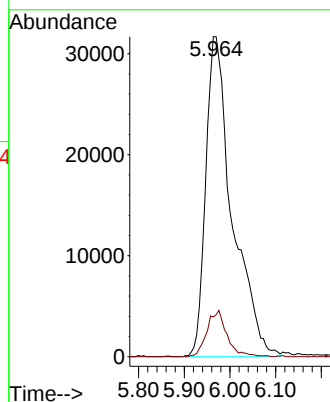
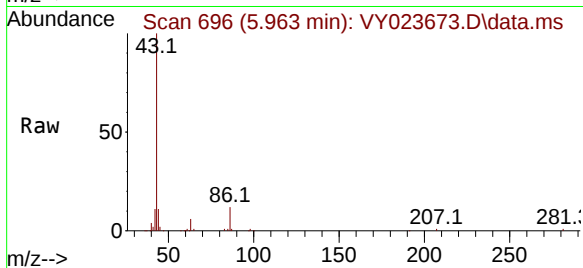
#23
 Vinyl Acetate
 Concen: 18.102 ug/l
 RT: 5.963 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:31

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

Tgt Ion: 43 Resp: 127812
 Ion Ratio Lower Upper
 43 100
 86 12.4 10.9 16.3

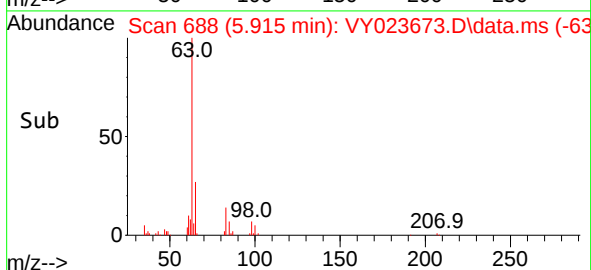
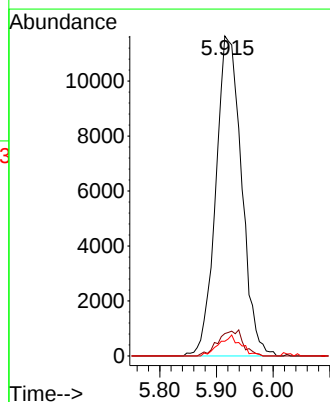
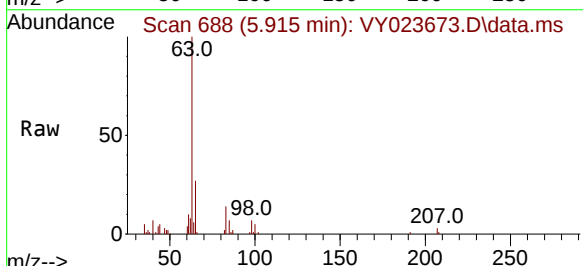
Manual Integrations
 APPROVED

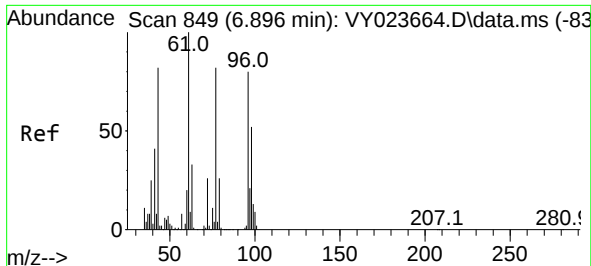
Reviewed By :Amit Patel 11/06/2025
 Supervised By :Semsettin Yesilyurt 11/06/2025



#24
 1,1-Dichloroethane
 Concen: 4.160 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:31

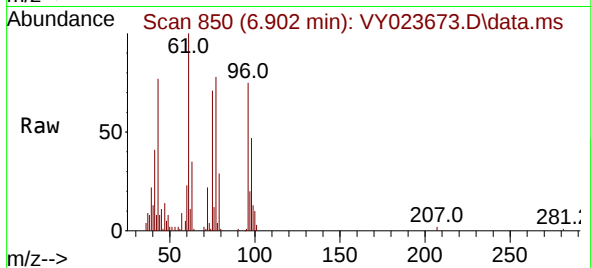
Tgt Ion: 63 Resp: 36672
 Ion Ratio Lower Upper
 63 100
 98 7.0 4.0 11.9
 100 4.6 2.6 7.8





#25
2-Butanone
Concen: 17.392 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

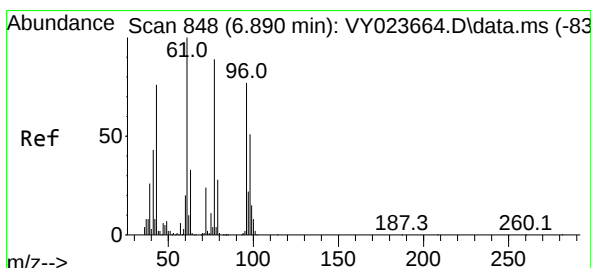
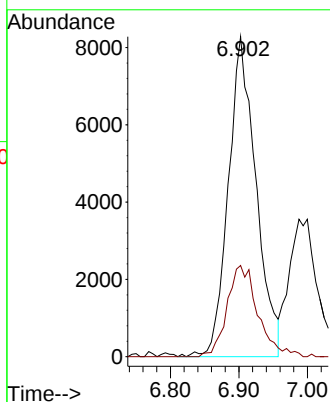
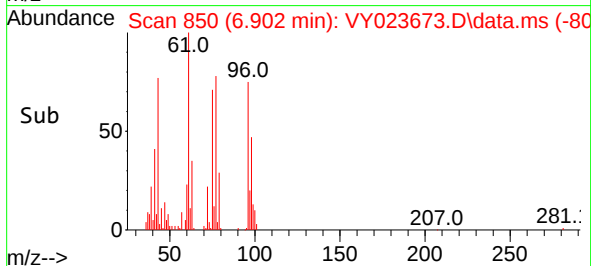
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



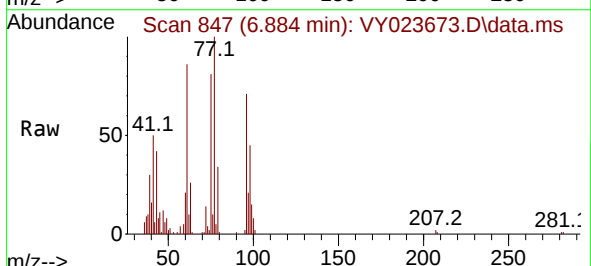
Tgt Ion: 43 Resp: 23280
Ion Ratio Lower Upper
43 100
72 28.5 25.7 38.5

Manual Integrations
APPROVED

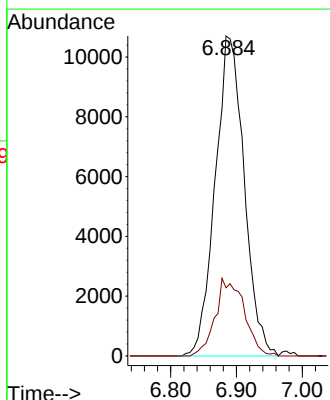
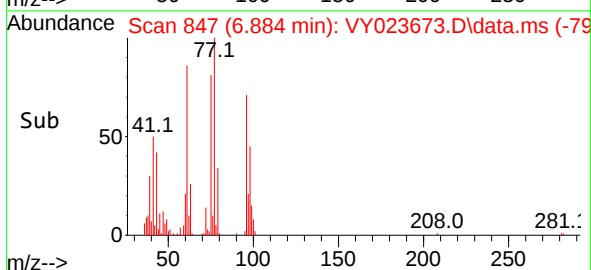
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

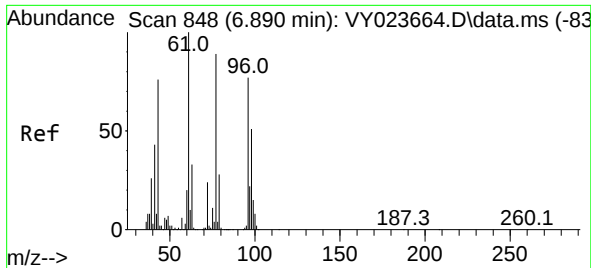


#26
2,2-Dichloropropane
Concen: 4.045 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



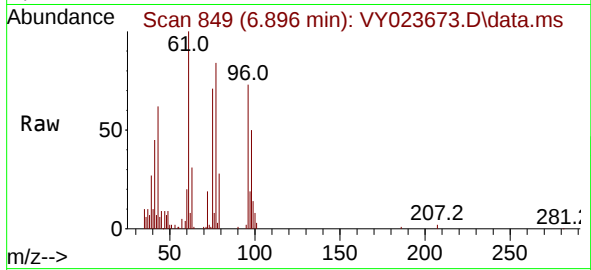
Tgt Ion: 77 Resp: 32796
Ion Ratio Lower Upper
77 100
97 24.1 12.0 36.1





#27
 cis-1,2-Dichloroethene
 Concen: 4.082 ug/l
 RT: 6.896 min Scan# 848
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:31

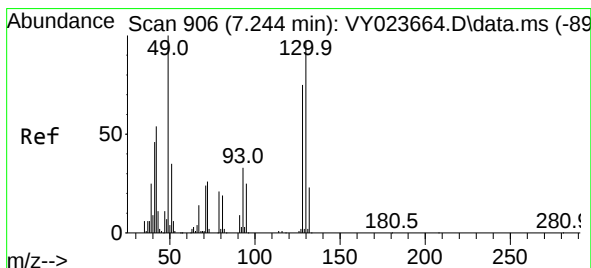
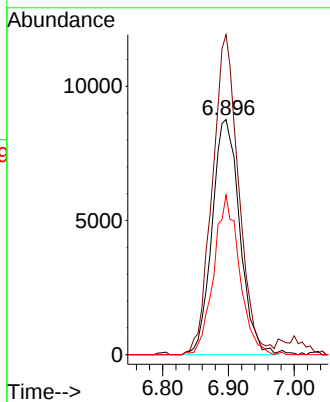
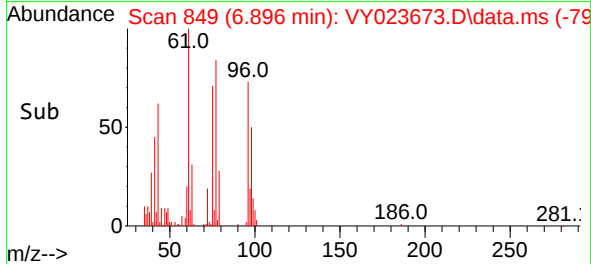
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025



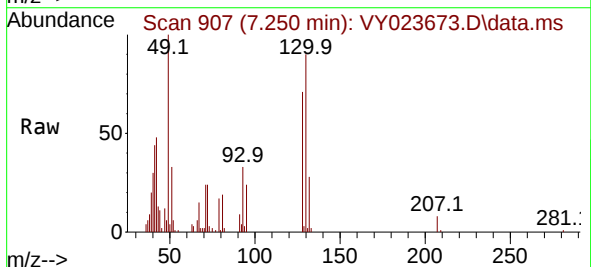
Tgt Ion: 96 Resp: 25640
 Ion Ratio Lower Upper
 96 100
 61 128.8 0.0 255.0
 98 62.8 0.0 129.8

Manual Integrations
 APPROVED

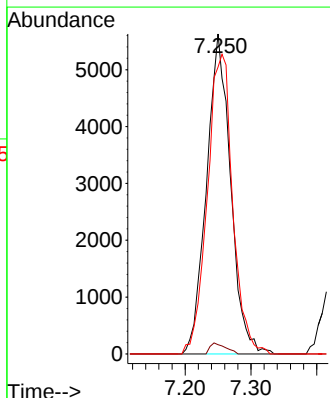
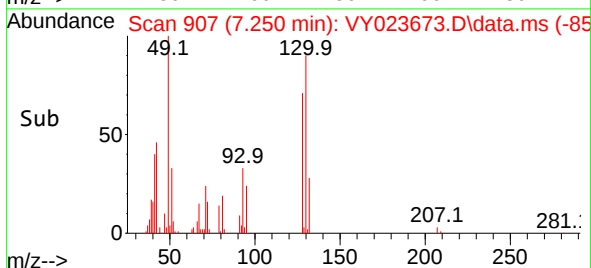
Reviewed By :Amit Patel 11/06/2025
 Supervised By :Semsettin Yesilyurt 11/06/2025

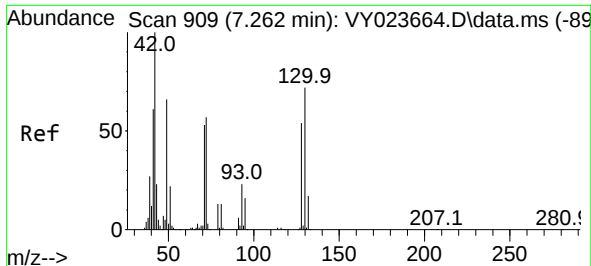


#28
 Bromochloromethane
 Concen: 4.251 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. 0.006 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:31



Tgt Ion: 49 Resp: 14348
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 5.0
 130 98.7 80.1 120.1





#29

Tetrahydrofuran

Concen: 18.618 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY023673.D

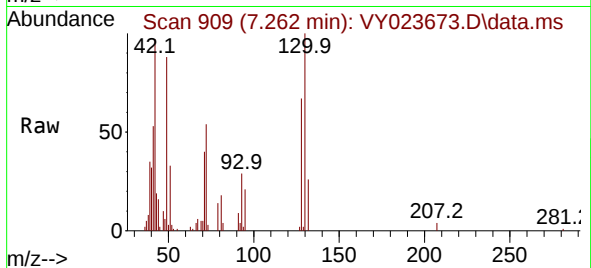
Acq: 04 Nov 2025 14:31

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025



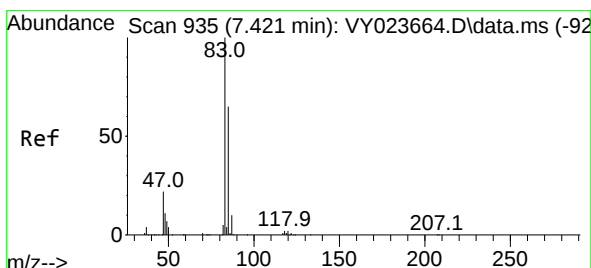
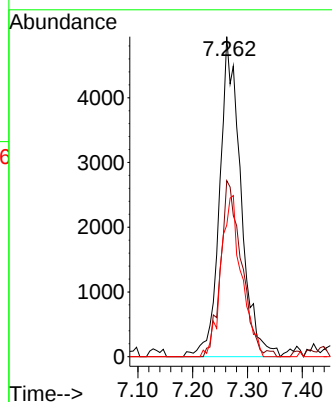
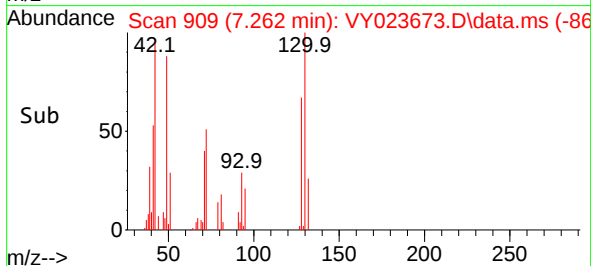
Tgt Ion:	42	Resp:	1327
Ion Ratio	Lower	Upper	
42	100		
72	53.9	43.4	65.2
71	49.2	40.7	61.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#30

Chloroform

Concen: 4.049 ug/l

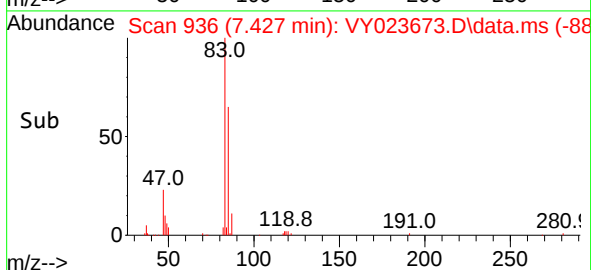
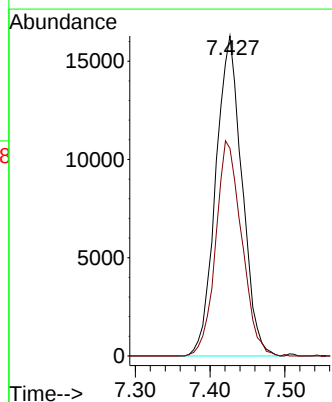
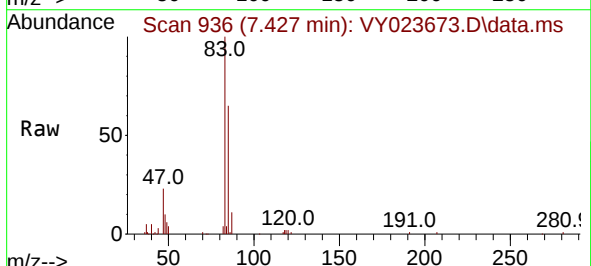
RT: 7.427 min Scan# 936

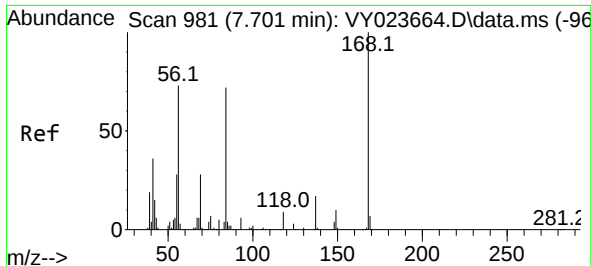
Delta R.T. 0.006 min

Lab File: VY023673.D

Acq: 04 Nov 2025 14:31

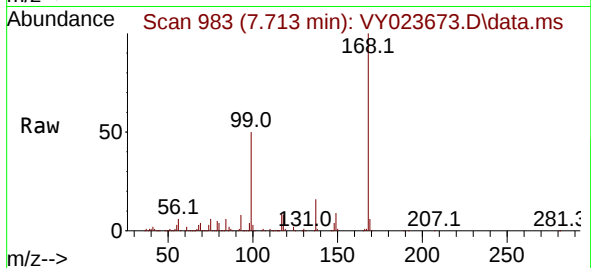
Tgt Ion:	83	Resp:	39817
Ion Ratio	Lower	Upper	
83	100		
85	64.8	52.1	78.1





#31
Cyclohexane
Concen: 4.760 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

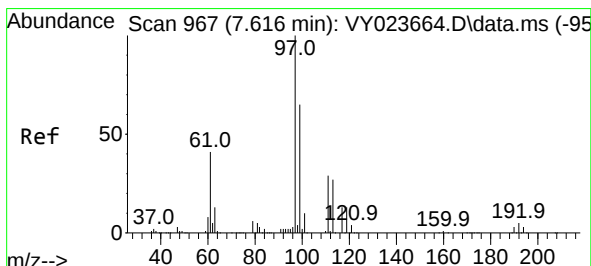
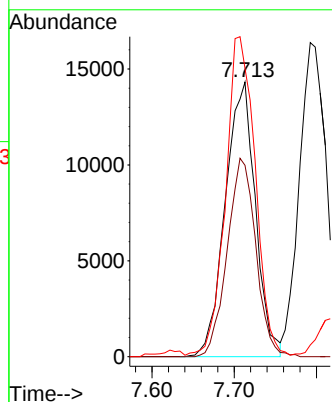
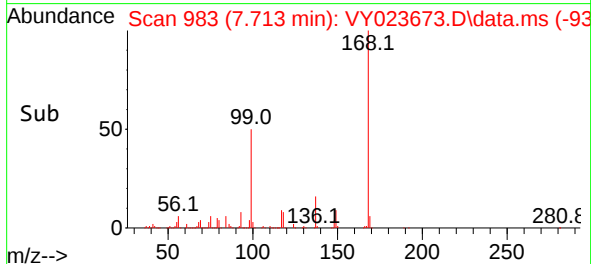
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



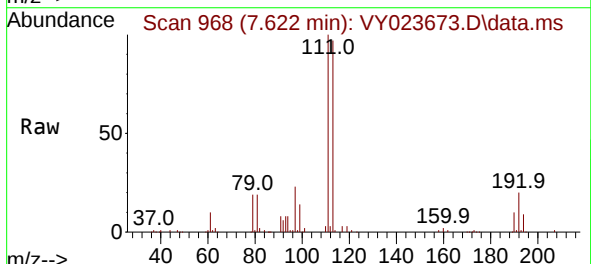
Tgt Ion: 56 Resp: 36540
Ion Ratio Lower Upper
56 100
69 69.7 30.5 45.7
84 103.0 79.0 118.4

Manual Integrations
APPROVED

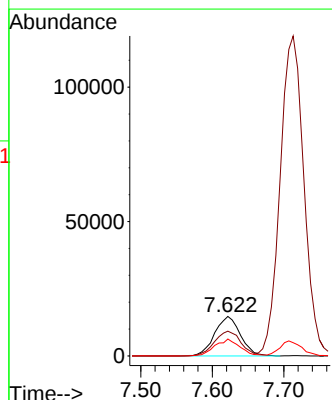
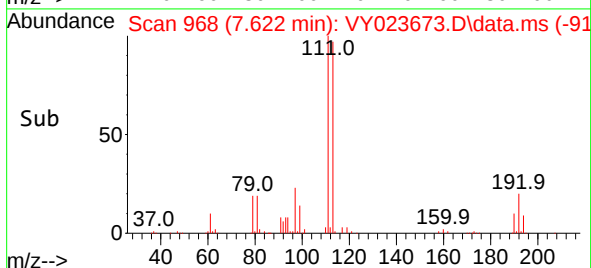
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

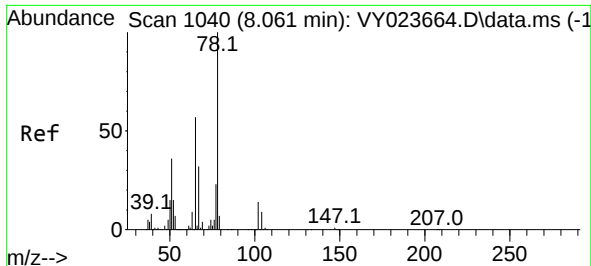


#32
1,1,1-Trichloroethane
Concen: 4.173 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



Tgt Ion: 97 Resp: 36681
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 41.8 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 50.814 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023673.D

Acq: 04 Nov 2025 14:31

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 65 Resp: 236672

Ion Ratio Lower Upper

65 100

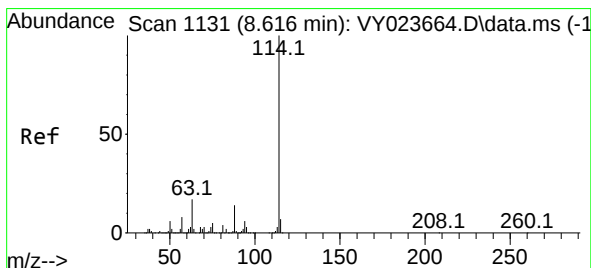
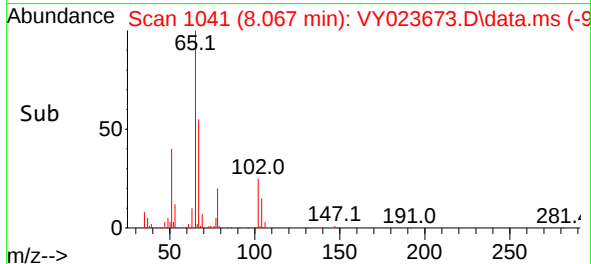
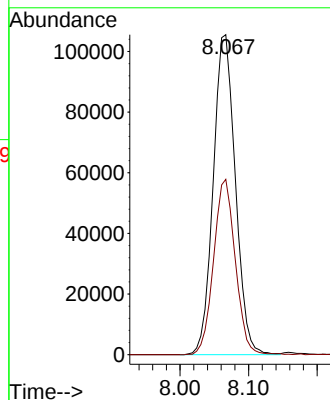
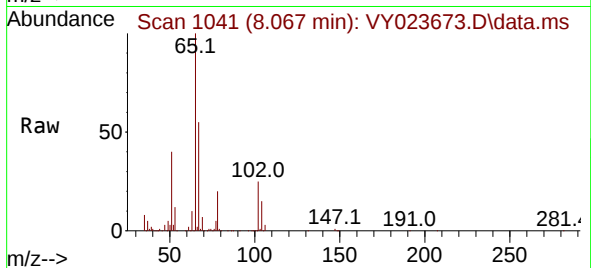
67 53.7 0.0 107.4

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: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023673.D

Acq: 04 Nov 2025 14:31

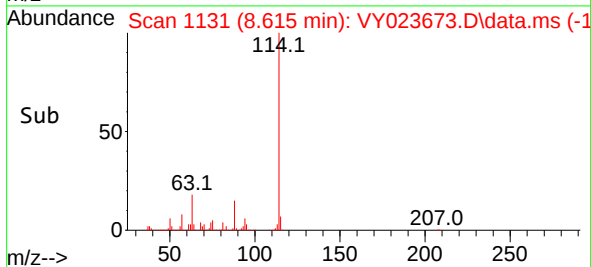
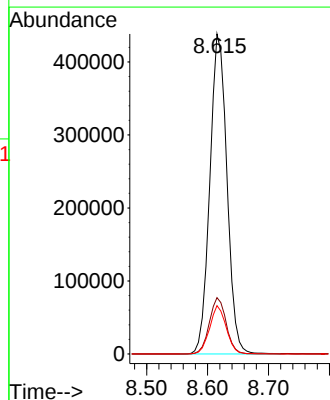
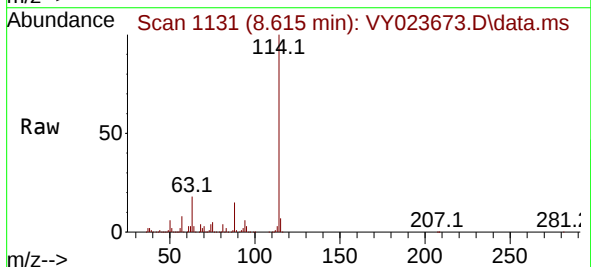
Tgt Ion:114 Resp: 855673

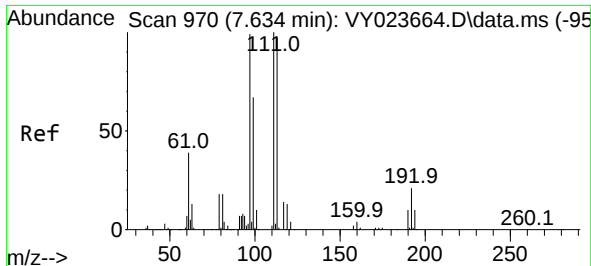
Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.8

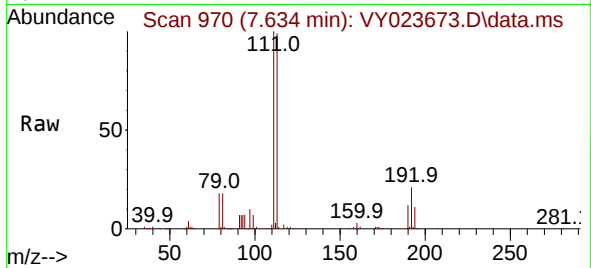
88 15.1 0.0 29.0





#35
Dibromofluoromethane
Concen: 48.598 ug/l
RT: 7.634 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

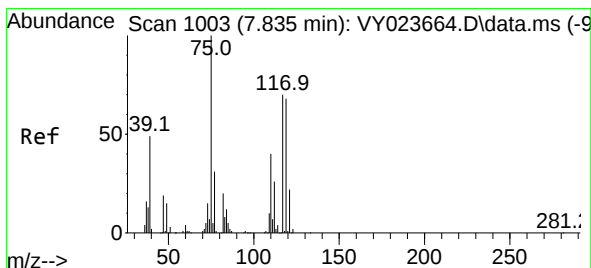
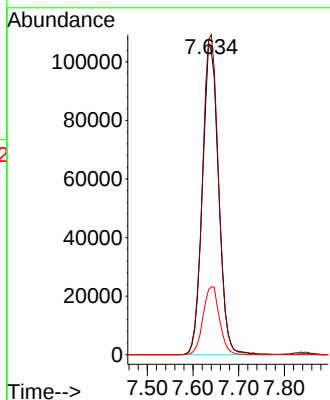
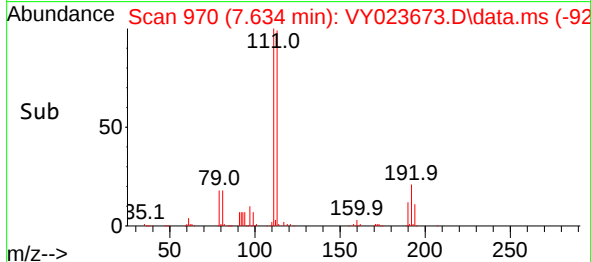
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



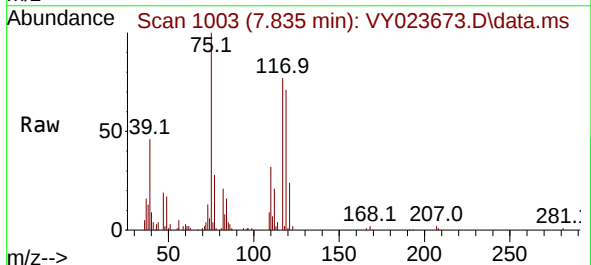
Tgt Ion:113 Resp: 259874
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 22.2 17.3 25.9

Manual Integrations
APPROVED

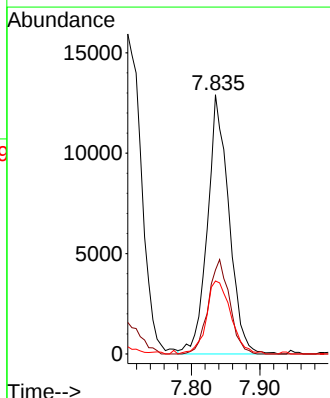
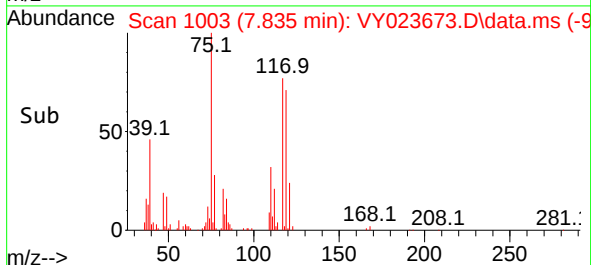
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#36
1,1-Dichloropropene
Concen: 3.929 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



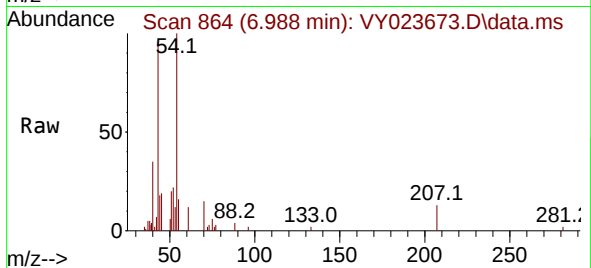
Tgt Ion: 75 Resp: 28073
Ion Ratio Lower Upper
75 100
110 36.2 19.7 59.0
77 32.1 25.2 37.8





#37
Ethyl Acetate
Concen: 3.716 ug/l m
RT: 6.988 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

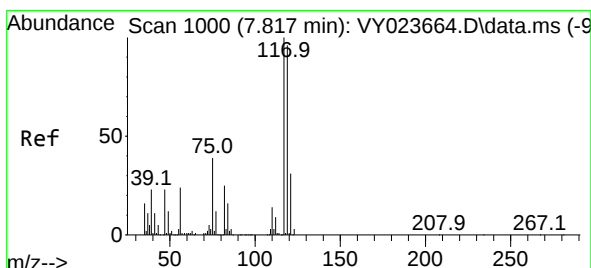
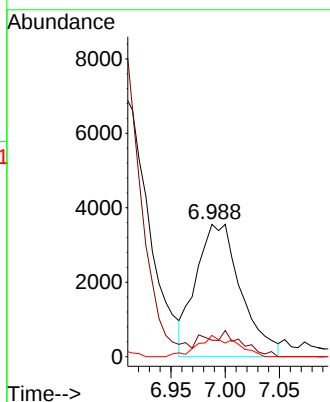
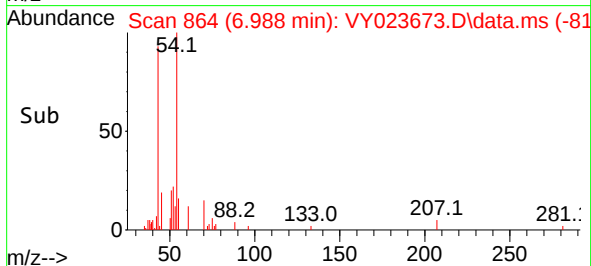
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 43 Resp: 10280
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6
70 13.6 9.8 14.8

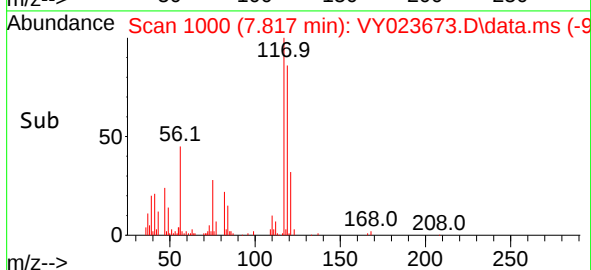
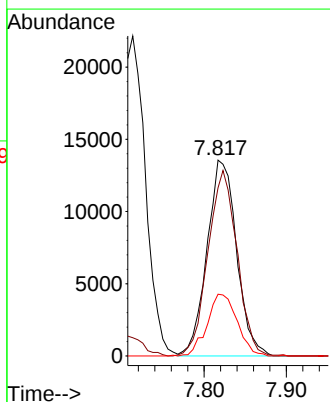
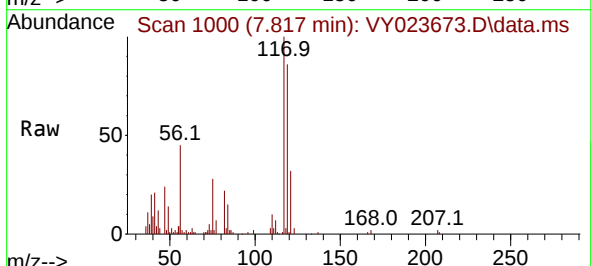
Manual Integrations
APPROVED

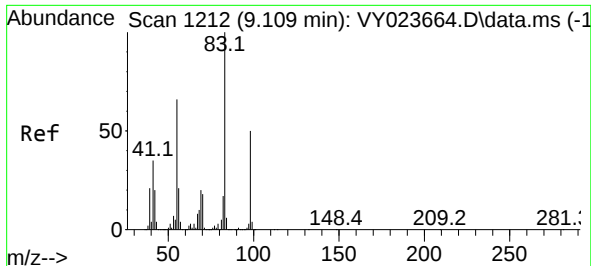
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#38
Carbon Tetrachloride
Concen: 4.030 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

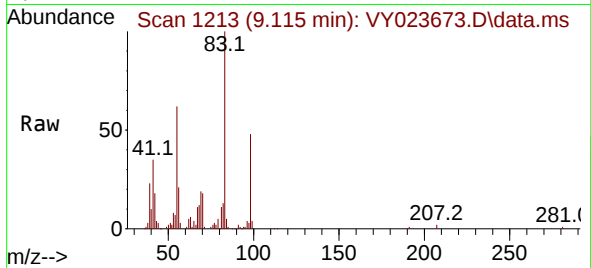
Tgt Ion:117 Resp: 33932
Ion Ratio Lower Upper
117 100
119 85.5 76.3 114.5
121 31.6 24.8 37.2





#39
Methylcyclohexane
Concen: 3.751 ug/l
RT: 9.115 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

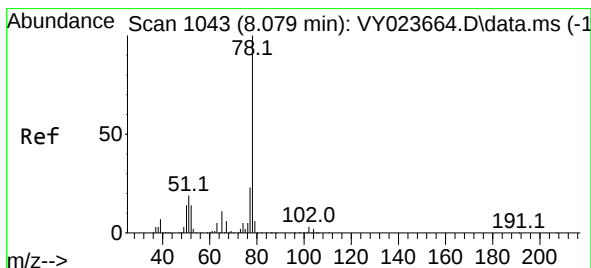
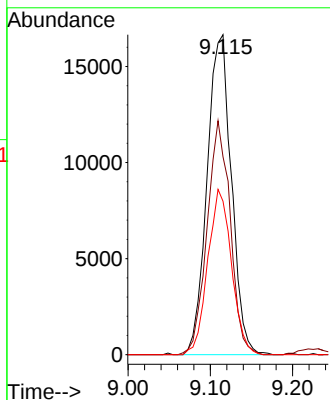
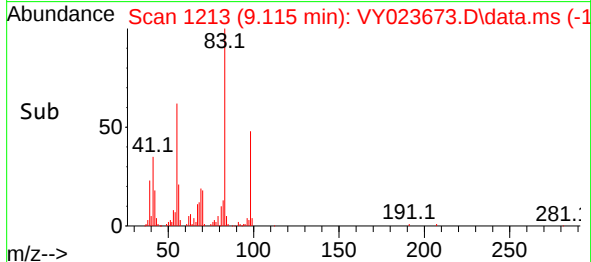
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 83 Resp: 3425
Ion Ratio Lower Upper
83 100
55 61.9 52.6 78.8
98 48.0 39.7 59.5

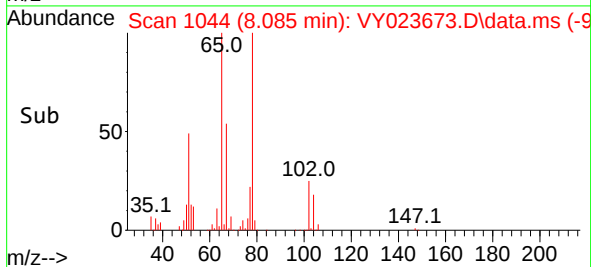
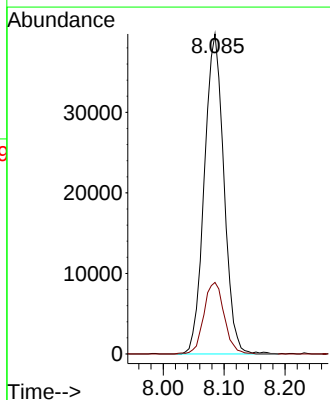
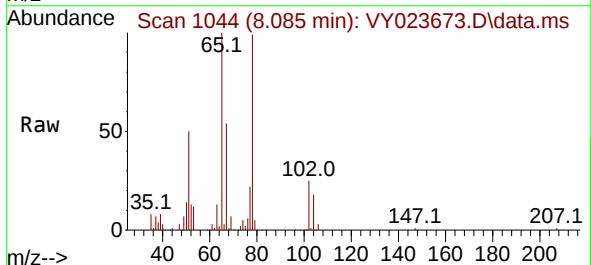
Manual Integrations
APPROVED

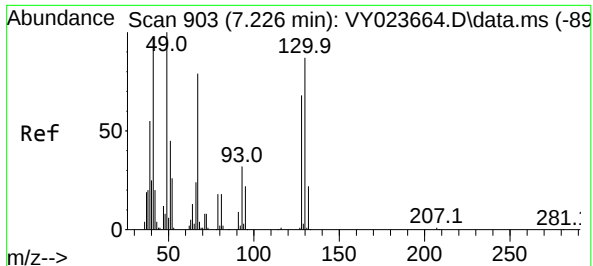
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#40
Benzene
Concen: 3.932 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

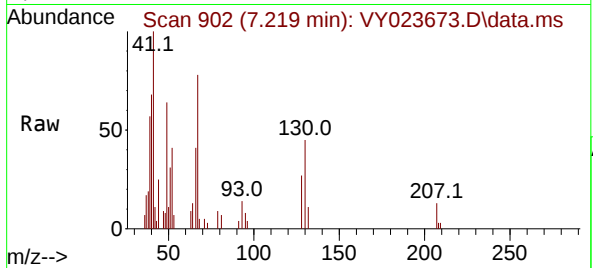
Tgt Ion: 78 Resp: 88567
Ion Ratio Lower Upper
78 100
77 22.4 18.8 28.2





#41
Methacrylonitrile
Concen: 3.448 ug/l m
RT: 7.219 min Scan# 903
Delta R.T. -0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

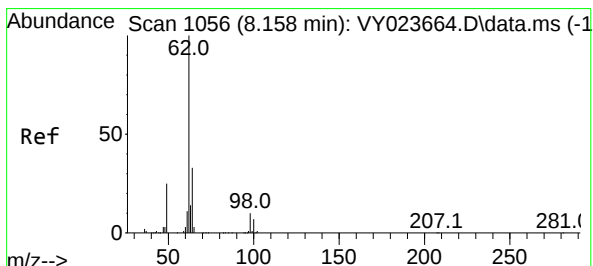
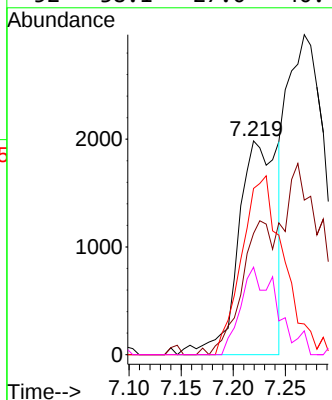
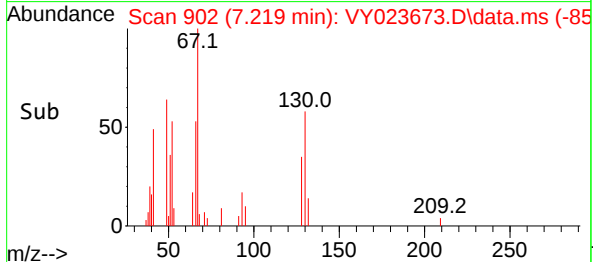
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



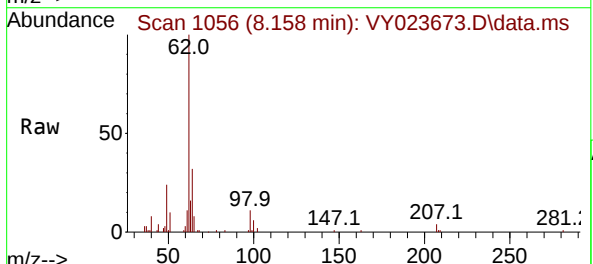
Tgt Ion: 41 Resp: 5200
Ion Ratio Lower Upper
41 100
39 48.8 38.6 57.8
67 89.3 71.3 106.9
52 38.1 27.0 40.4

Manual Integrations
APPROVED

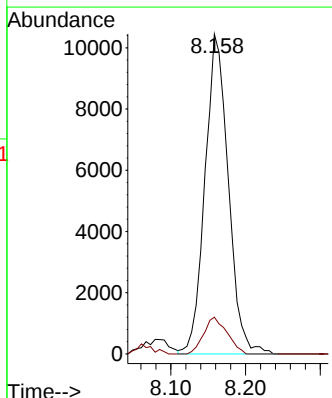
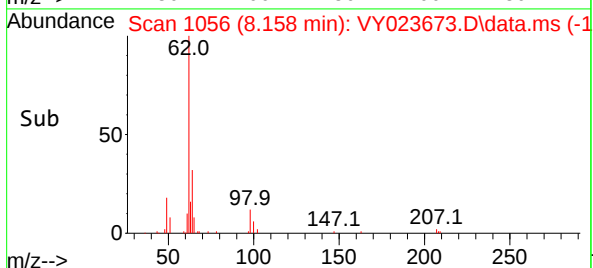
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

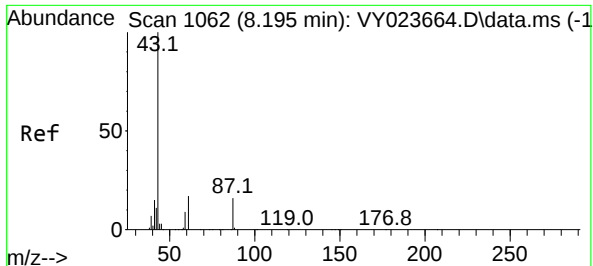


#42
1,2-Dichloroethane
Concen: 3.987 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



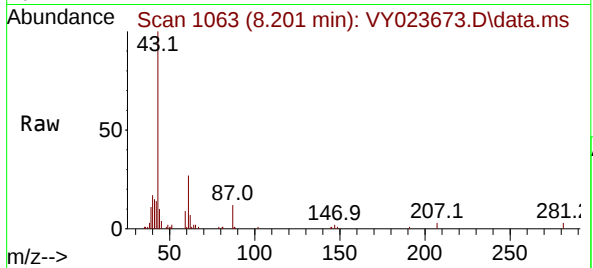
Tgt Ion: 62 Resp: 22721
Ion Ratio Lower Upper
62 100
98 11.5 0.0 21.0





#43
Isopropyl Acetate
Concen: 3.619 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

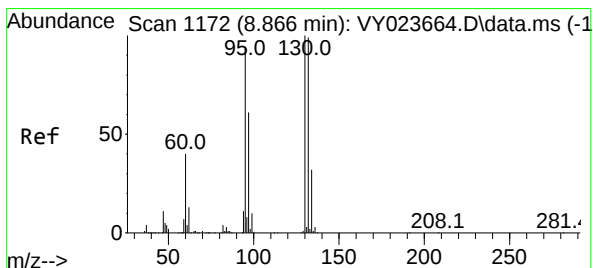
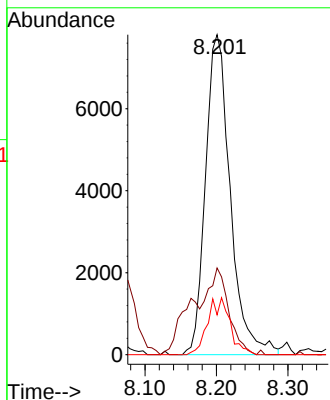
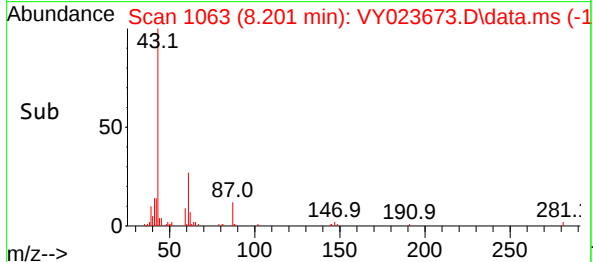
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 43 Resp: 1880
Ion Ratio Lower Upper
43 100
61 24.0 18.2 27.2
87 16.1 13.3 19.9

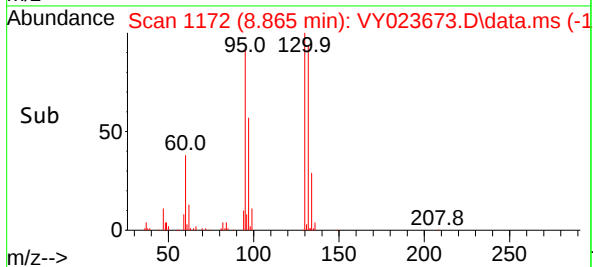
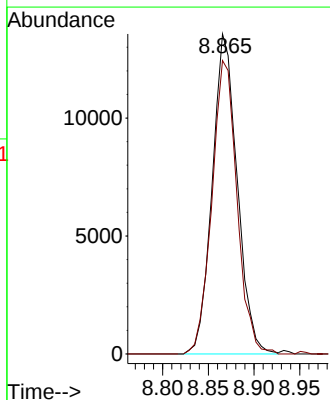
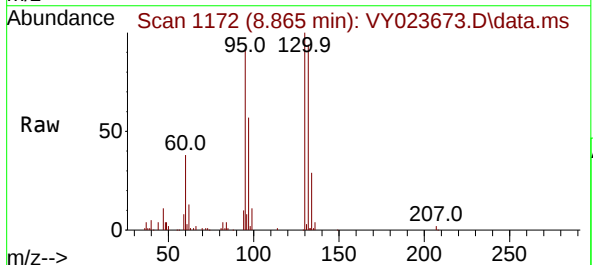
Manual Integrations
APPROVED

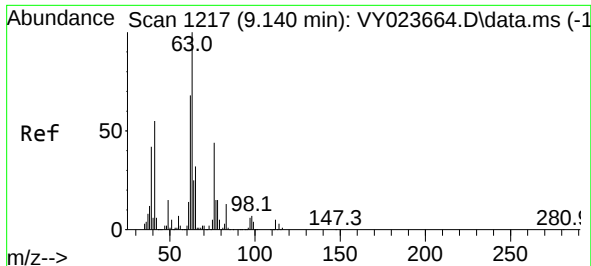
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#44
Trichloroethene
Concen: 3.989 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

Tgt Ion:130 Resp: 25806
Ion Ratio Lower Upper
130 100
95 91.7 0.0 187.0





#45

1,2-Dichloropropane

Concen: 3.924 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY023673.D

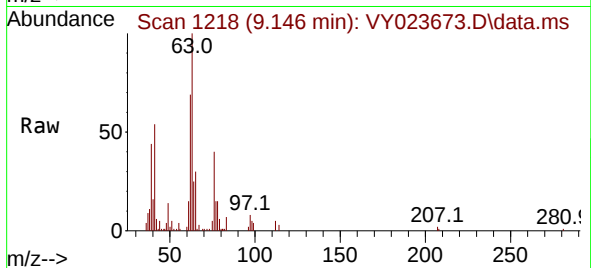
Acq: 04 Nov 2025 14:31

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 63 Resp: 19500

Ion Ratio Lower Upper

63 100

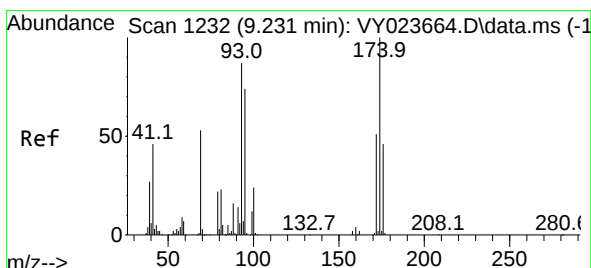
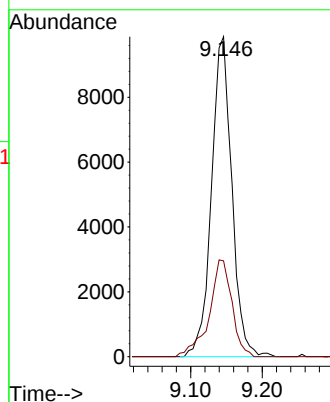
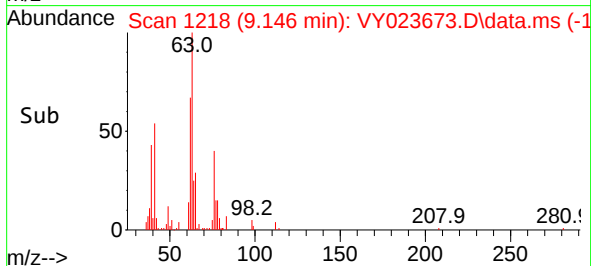
65 30.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#46

Dibromomethane

Concen: 3.767 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023673.D

Acq: 04 Nov 2025 14:31

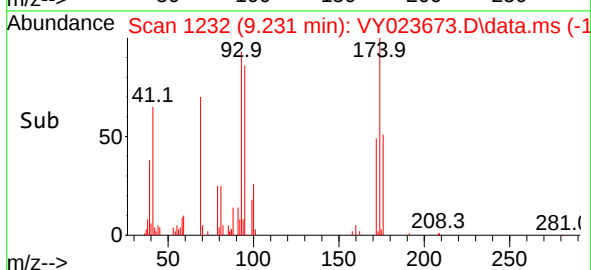
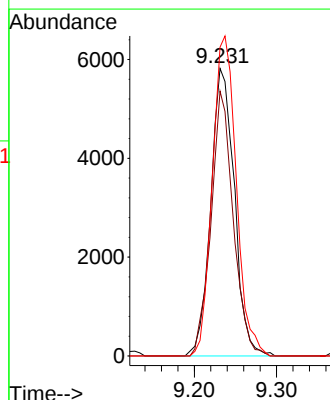
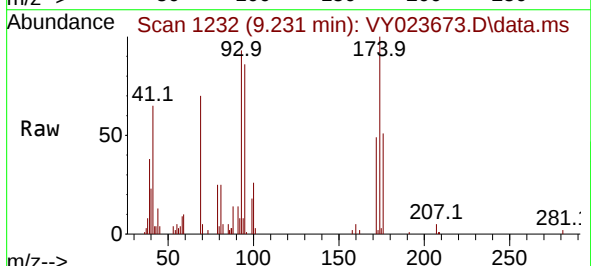
Tgt Ion: 93 Resp: 11601

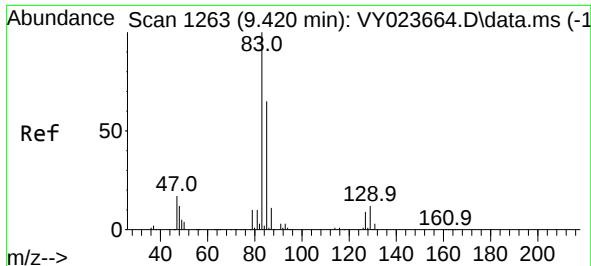
Ion Ratio Lower Upper

93 100

95 86.8 67.4 101.2

174 113.1 89.4 134.0





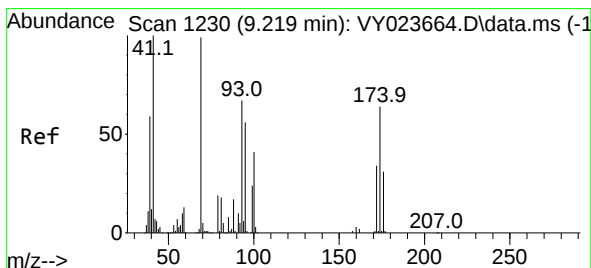
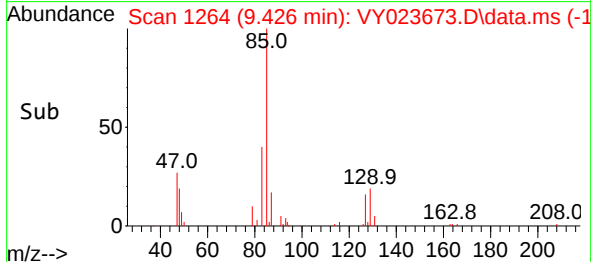
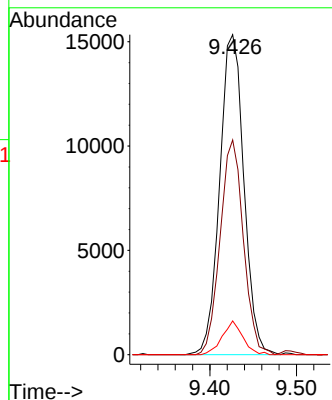
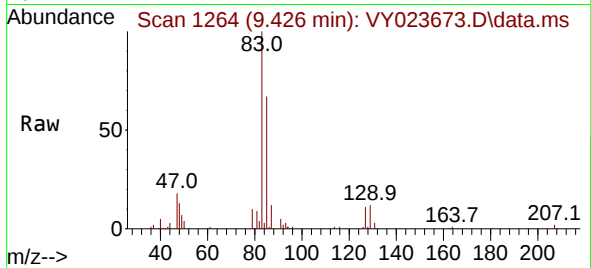
#47
Bromodichloromethane
Concen: 3.829 ug/l
RT: 9.426 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

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

Tgt Ion: 83 Resp: 2973
Ion Ratio Lower Upper
83 100
85 67.1 52.1 78.1
127 10.6 7.5 11.3

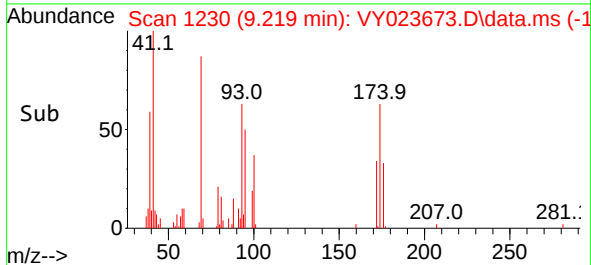
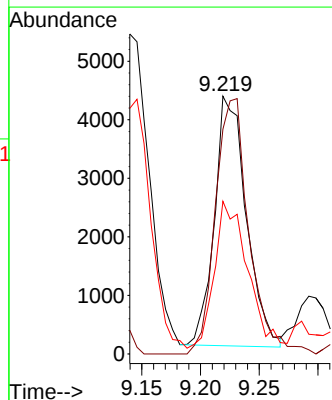
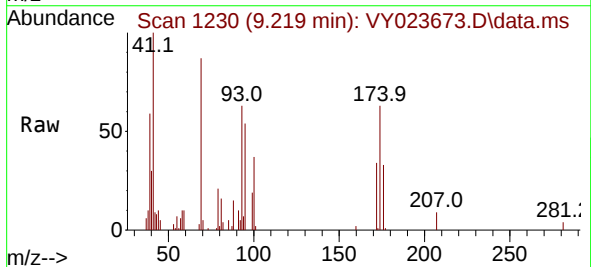
Manual Integrations
APPROVED

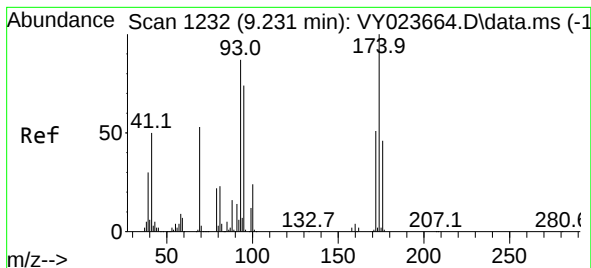
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#48
Methyl methacrylate
Concen: 3.269 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

Tgt Ion: 41 Resp: 8028
Ion Ratio Lower Upper
41 100
69 108.4 80.2 120.2
39 62.3 47.4 71.0





#49

1,4-Dioxane

Concen: 70.907 ug/l

RT: 9.225 min Scan# 1232

Delta R.T. -0.006 min

Lab File: VY023673.D

Acq: 04 Nov 2025 14:31

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

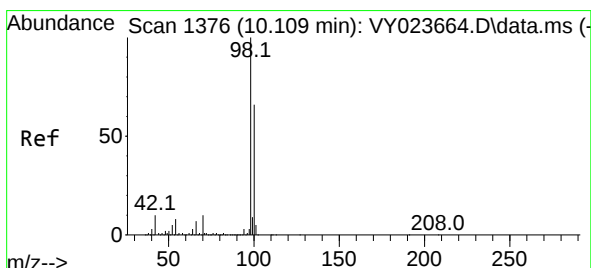
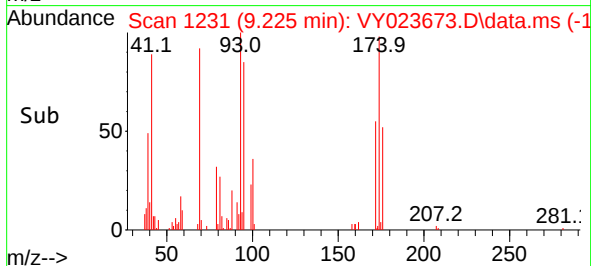
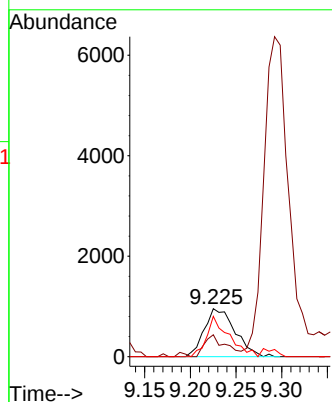
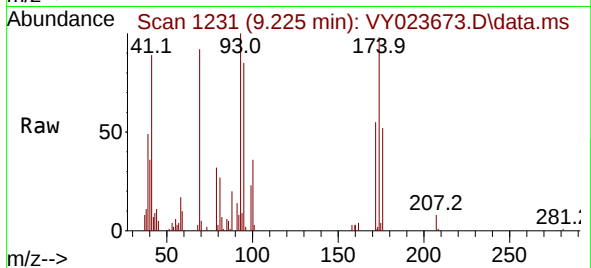
Tgt Ion:	88	Resp:	223
Ion	Ratio	Lower	Upper
88	100		
43	31.4	22.0	33.0
58	60.5	47.8	71.8

Manual Integrations

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Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#50

Toluene-d8

Concen: 48.394 ug/l

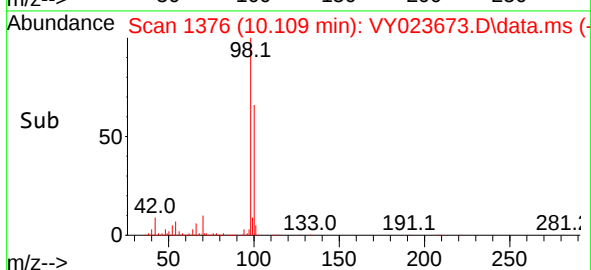
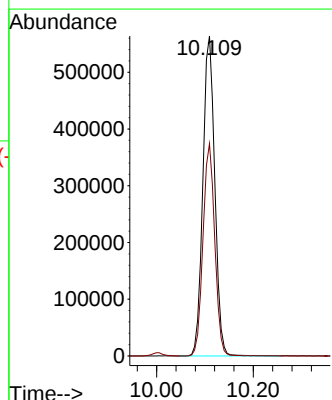
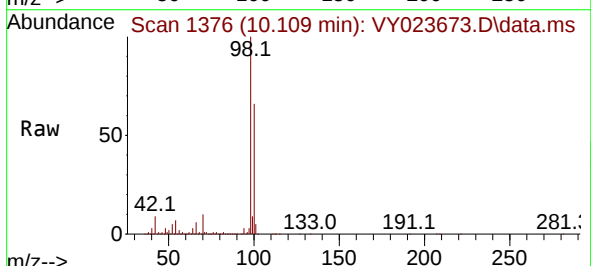
RT: 10.109 min Scan# 1376

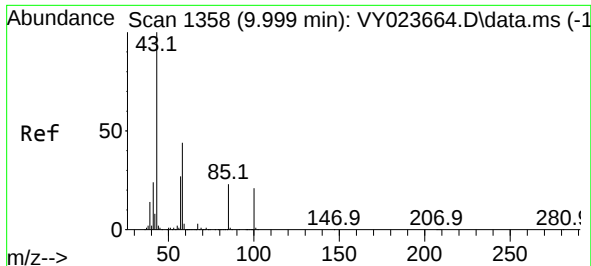
Delta R.T. -0.000 min

Lab File: VY023673.D

Acq: 04 Nov 2025 14:31

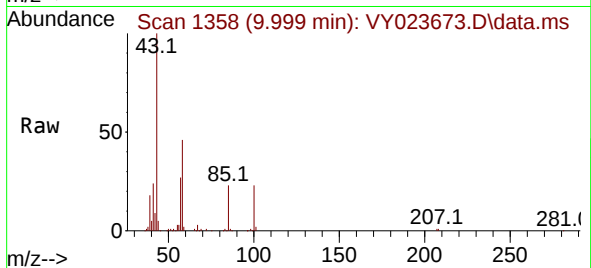
Tgt Ion:	98	Resp:	963982
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 16.151 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

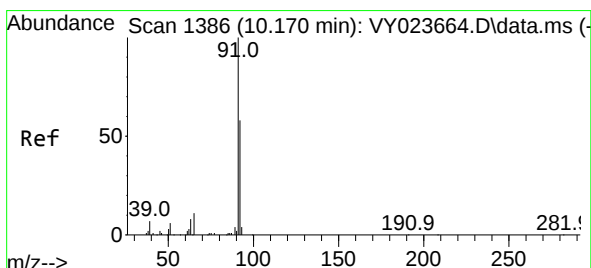
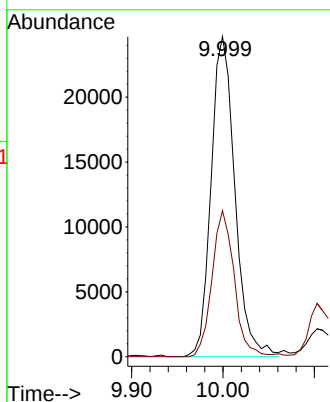
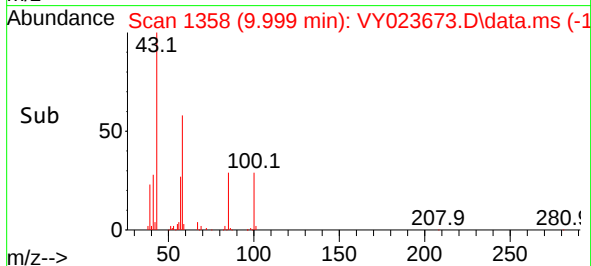
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 43 Resp: 4464
Ion Ratio Lower Upper
43 100
58 42.9 34.8 52.2

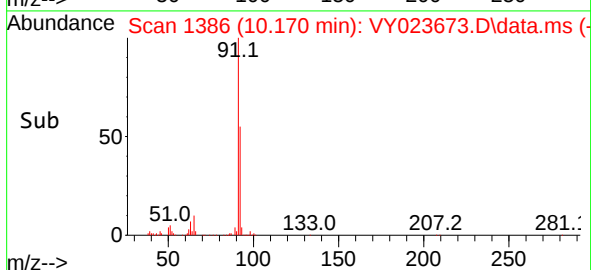
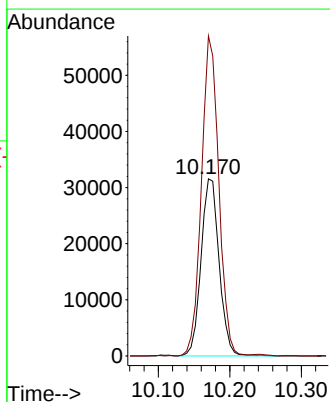
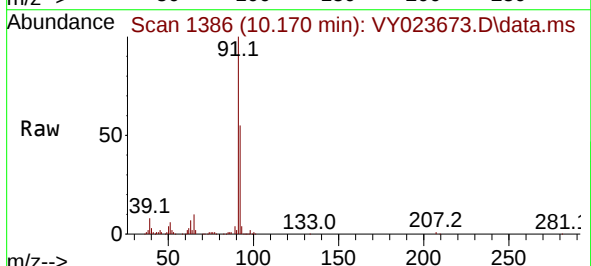
Manual Integrations
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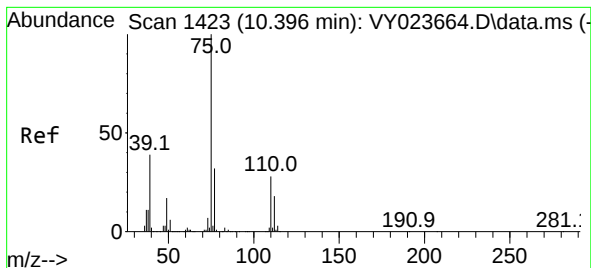
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#52
Toluene
Concen: 3.847 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

Tgt Ion: 92 Resp: 55316
Ion Ratio Lower Upper
92 100
91 173.9 137.8 206.8





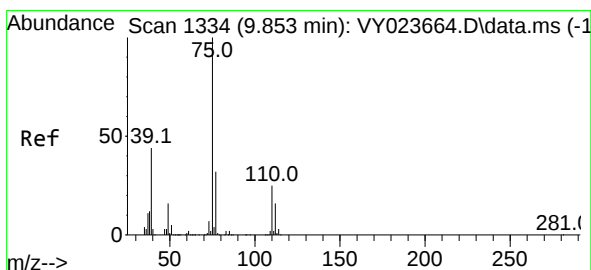
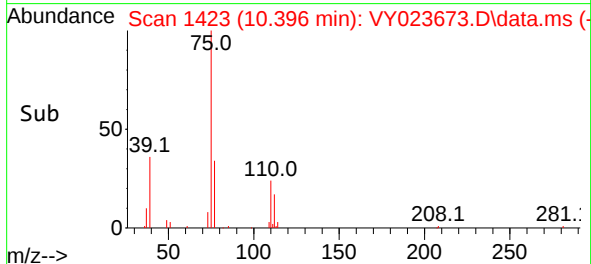
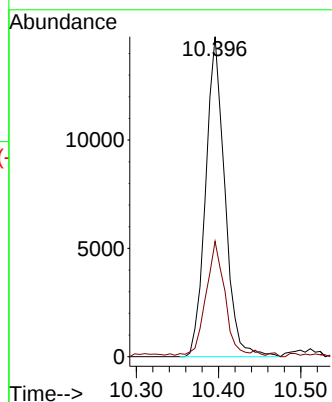
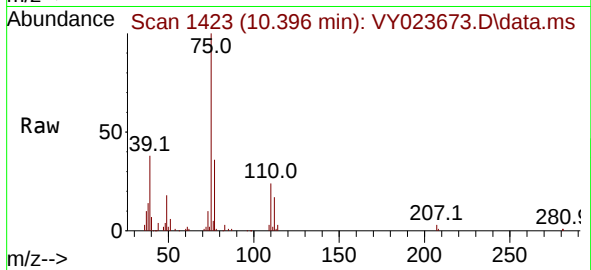
#53
t-1,3-Dichloropropene
Concen: 3.639 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

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

Tgt Ion: 75 Resp: 23912
Ion Ratio Lower Upper
75 100
77 36.1 25.6 38.4

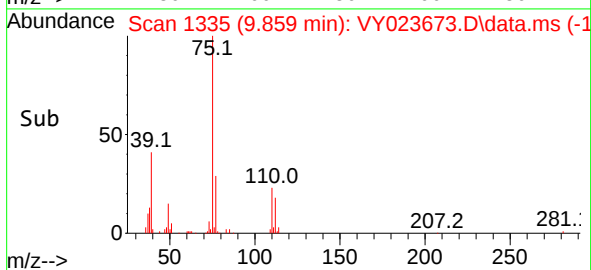
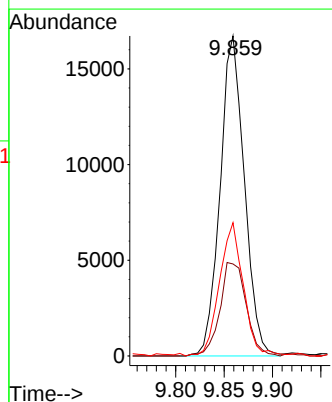
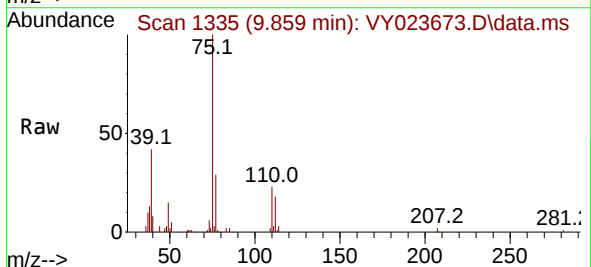
Manual Integrations
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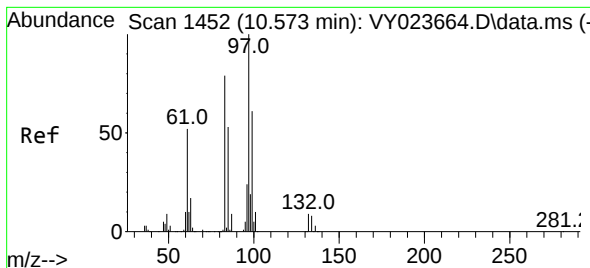
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#54
cis-1,3-Dichloropropene
Concen: 3.704 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

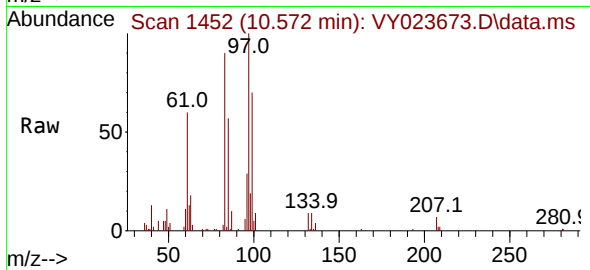
Tgt Ion: 75 Resp: 29158
Ion Ratio Lower Upper
75 100
77 28.8 25.7 38.5
39 41.0 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 3.848 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

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

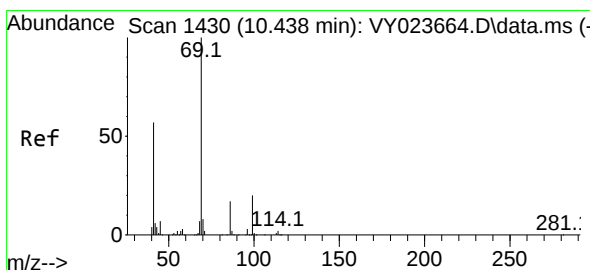
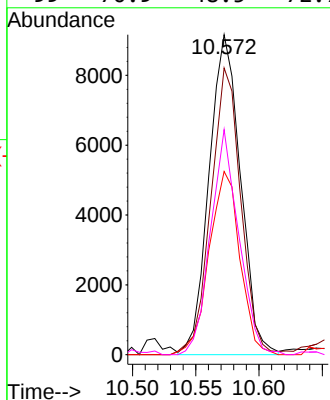
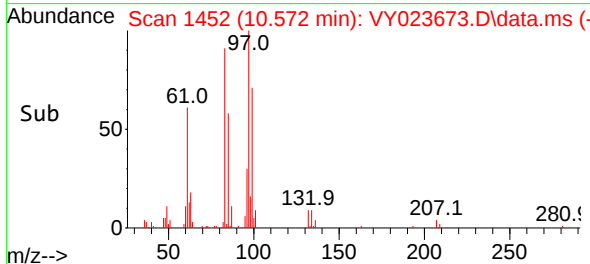


Tgt Ion: 97 Resp: 15840

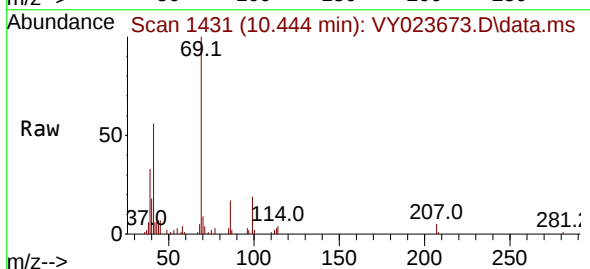
Ion	Ratio	Lower	Upper
97	100		
83	89.2	63.3	94.9
85	57.7	42.4	63.6
99	70.9	48.5	72.7

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

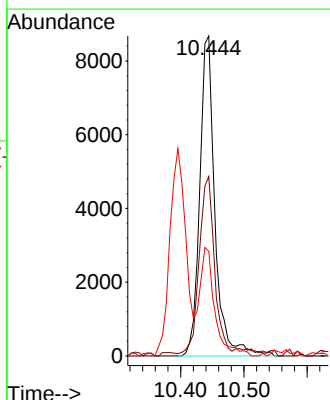
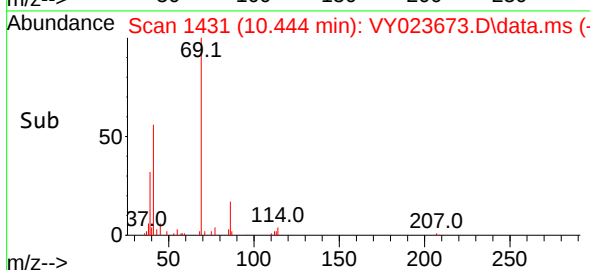


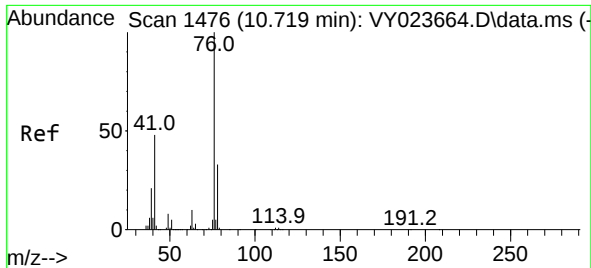
#56
Ethyl methacrylate
Concen: 3.207 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



Tgt Ion: 69 Resp: 14545

Ion	Ratio	Lower	Upper
69	100		
41	54.8	45.0	67.4
39	34.1	25.1	37.7





#57

1,3-Dichloropropane

Concen: 3.800 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VY023673.D

Acq: 04 Nov 2025 14:31

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 76 Resp: 24810

Ion Ratio Lower Upper

76 100

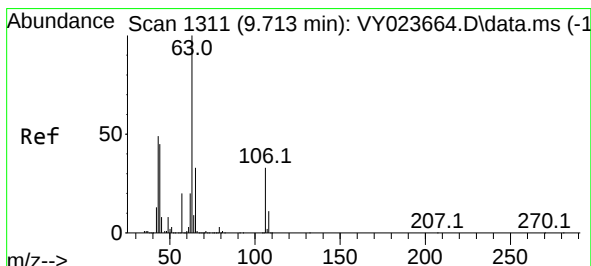
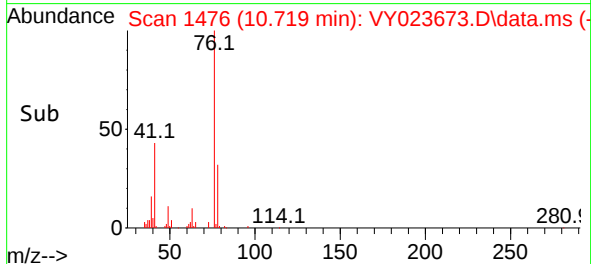
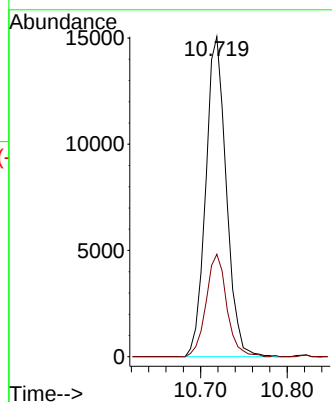
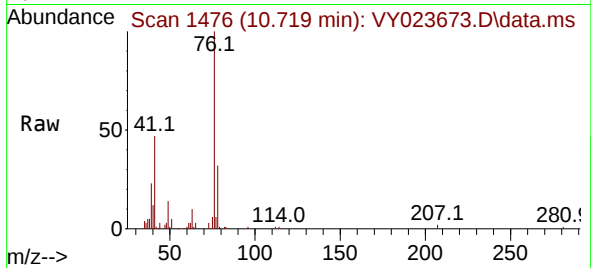
78 32.2 26.0 39.0

Manual Integrations

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Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#58

2-Chloroethyl Vinyl ether

Concen: 14.024 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VY023673.D

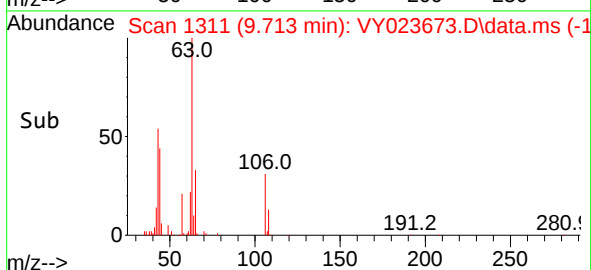
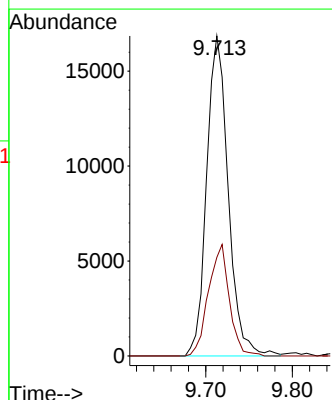
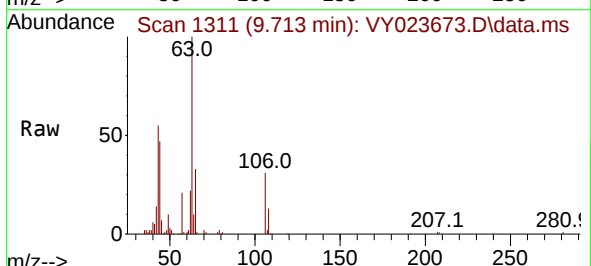
Acq: 04 Nov 2025 14:31

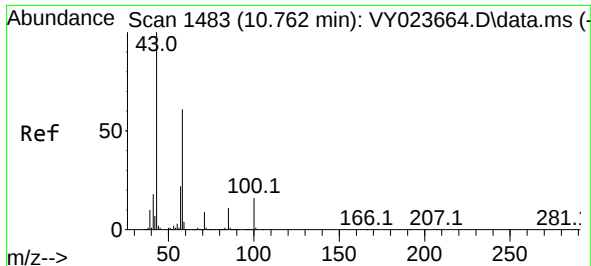
Tgt Ion: 63 Resp: 29184

Ion Ratio Lower Upper

63 100

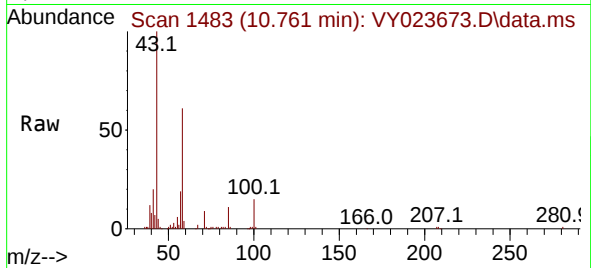
106 33.7 26.2 39.2





#59
2-Hexanone
Concen: 14.304 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

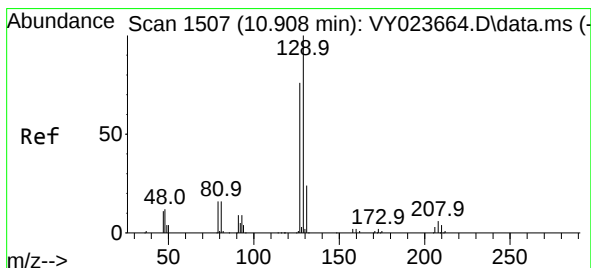
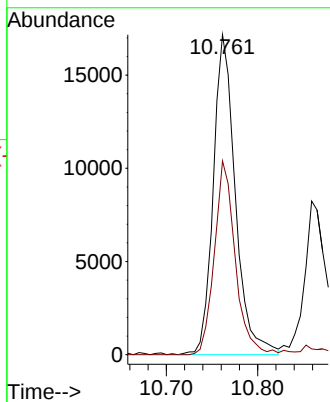
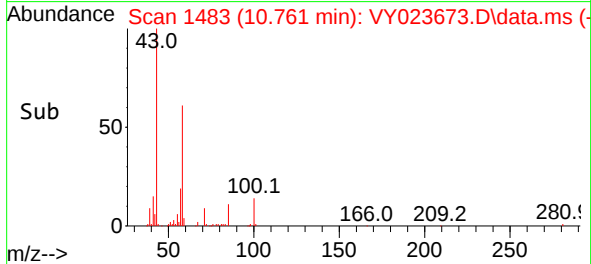
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 43 Resp: 2884
Ion Ratio Lower Upper
43 100
58 57.2 30.2 90.6

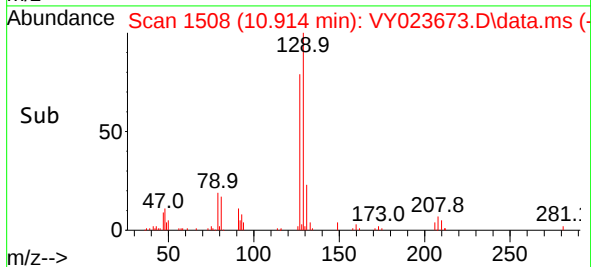
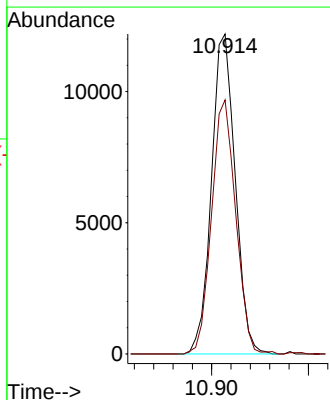
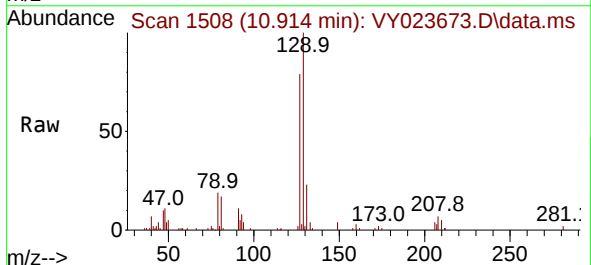
Manual Integrations
APPROVED

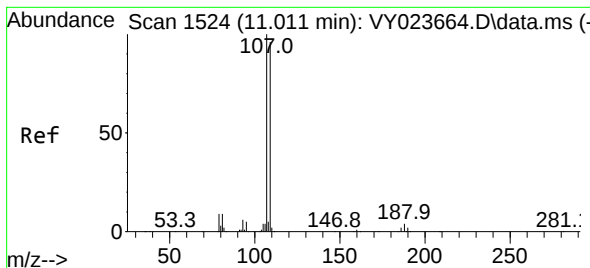
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#60
Dibromochloromethane
Concen: 3.675 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

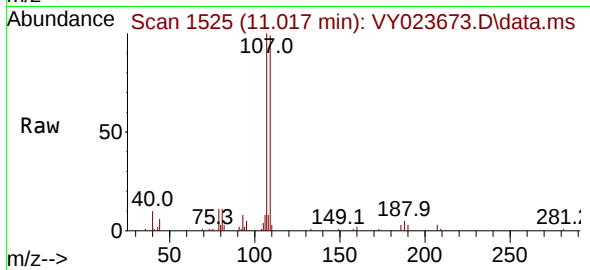
Tgt Ion:129 Resp: 20784
Ion Ratio Lower Upper
129 100
127 80.8 38.4 115.2





#61
1,2-Dibromoethane
Concen: 3.726 ug/l
RT: 11.017 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

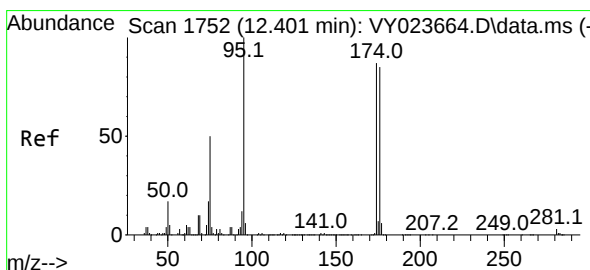
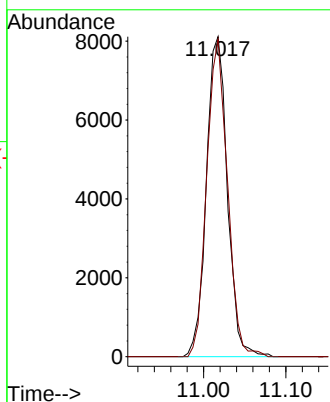
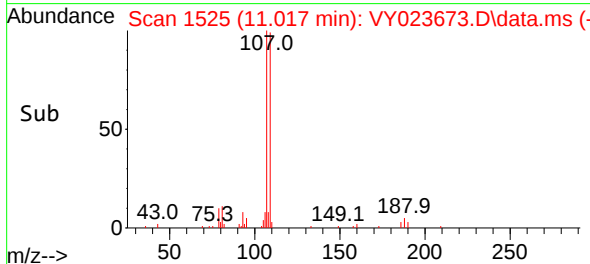
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



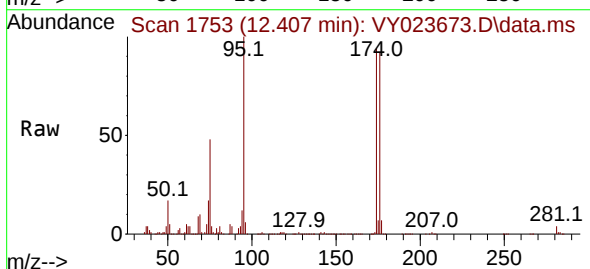
Tgt Ion:107 Resp: 14394
Ion Ratio Lower Upper
107 100
109 98.0 76.2 114.4

Manual Integrations
APPROVED

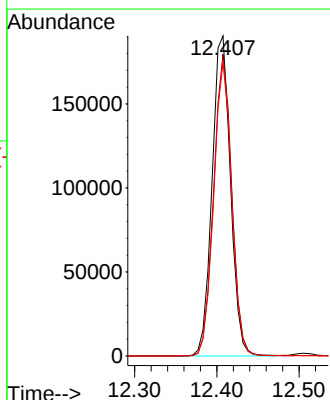
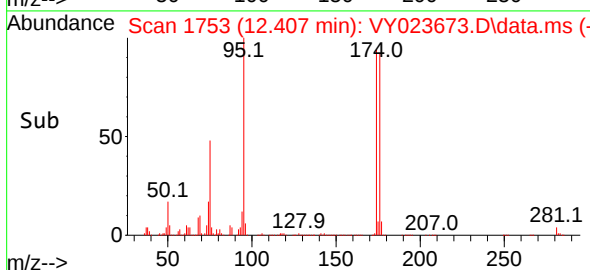
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

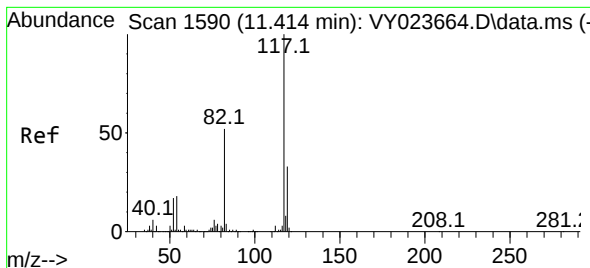


#62
4-Bromofluorobenzene
Concen: 45.973 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



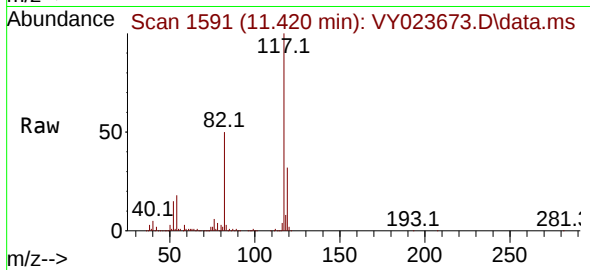
Tgt Ion: 95 Resp: 296144
Ion Ratio Lower Upper
95 100
174 93.0 0.0 184.8
176 89.9 0.0 181.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11591
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

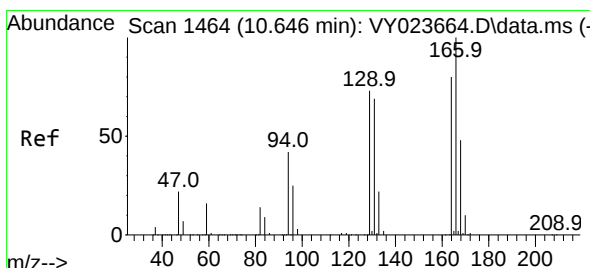
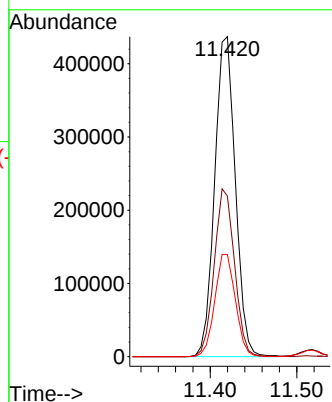
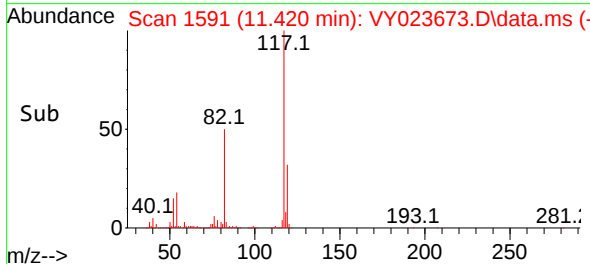
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:117 Resp: 724672
Ion Ratio Lower Upper
117 100
82 50.2 41.2 61.8
119 31.9 26.2 39.2

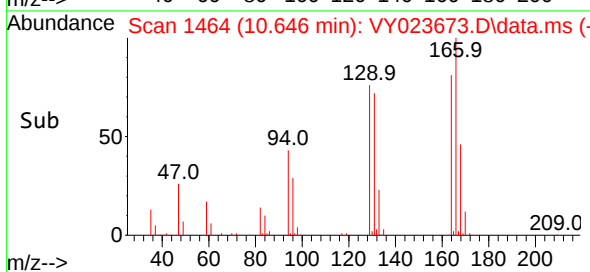
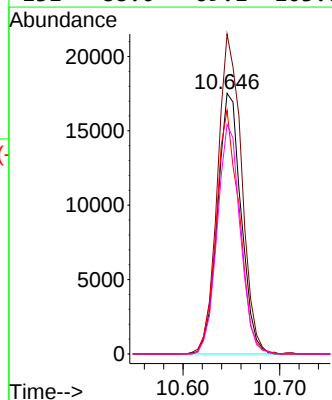
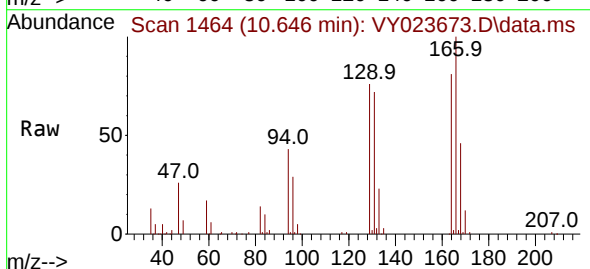
Manual Integrations
APPROVED

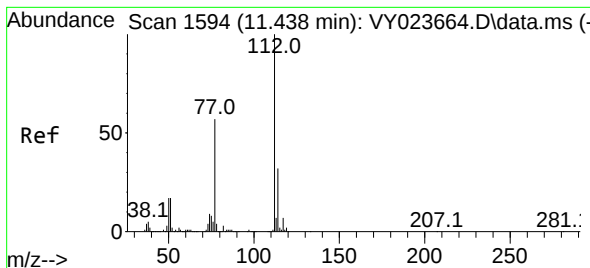
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#64
Tetrachloroethene
Concen: 3.934 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

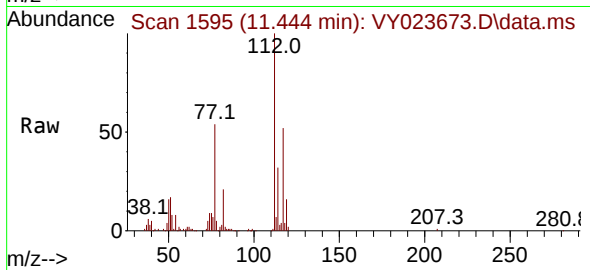
Tgt Ion:164 Resp: 29675
Ion Ratio Lower Upper
164 100
166 122.8 99.5 149.3
129 93.5 72.3 108.5
131 88.0 69.1 103.7





#65
Chlorobenzene
Concen: 3.988 ug/l
RT: 11.444 min Scan# 1112
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

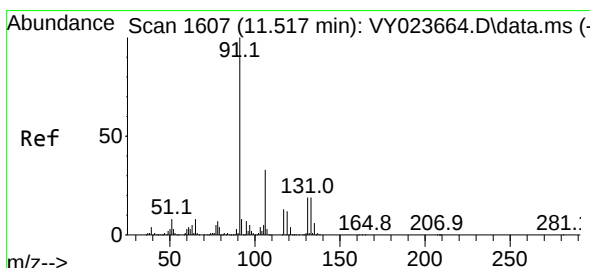
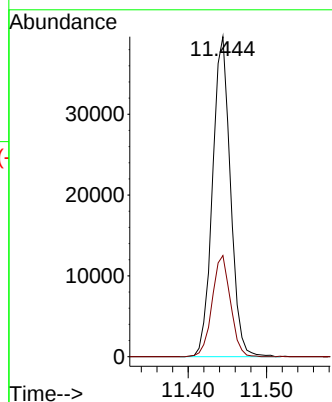
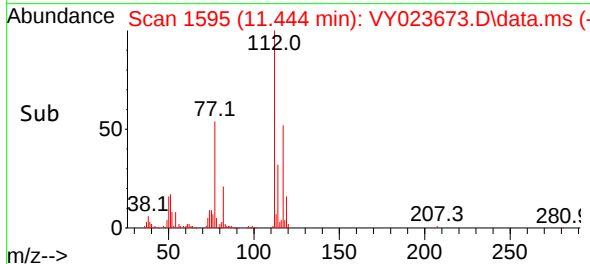
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



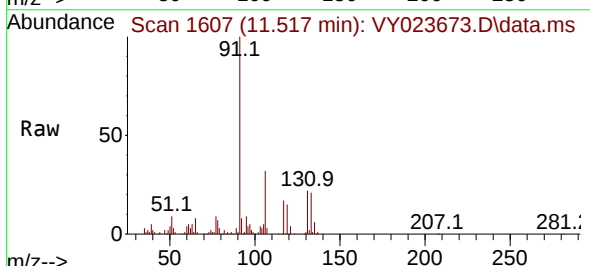
Tgt Ion:112 Resp: 62910
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6

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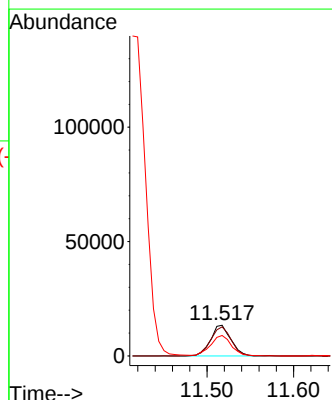
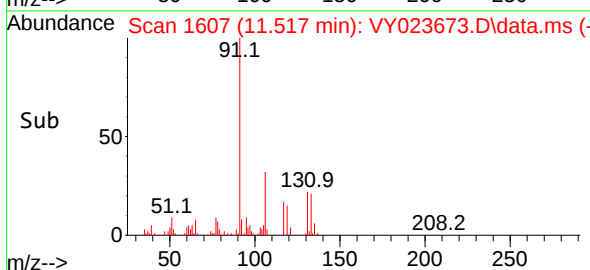
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

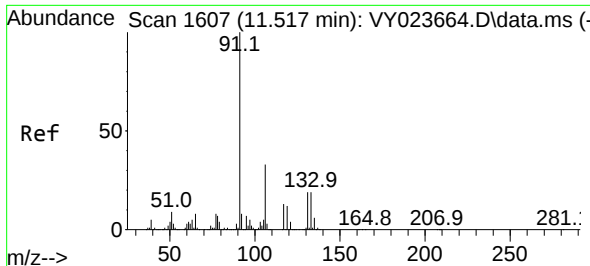


#66
1,1,1,2-Tetrachloroethane
Concen: 3.897 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



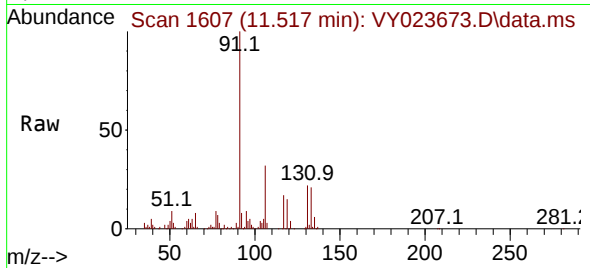
Tgt Ion:131 Resp: 21740
Ion Ratio Lower Upper
131 100
133 97.2 47.3 141.8
119 69.3 32.5 97.4





#67
Ethyl Benzene
Concen: 3.656 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

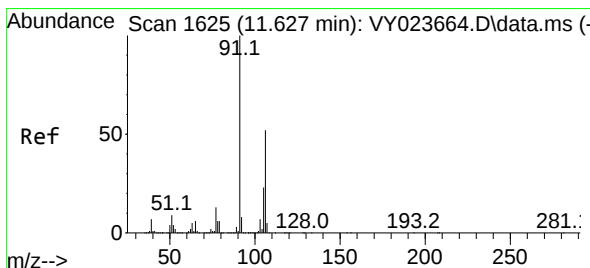
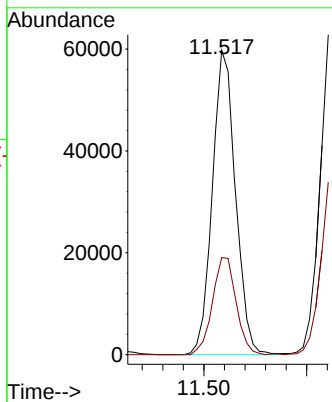
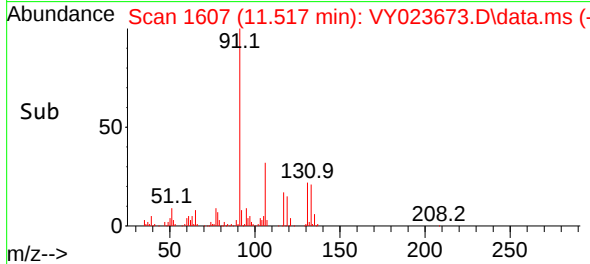
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



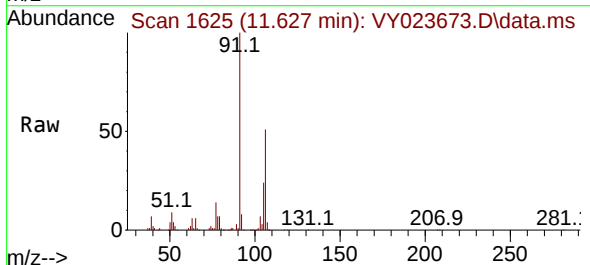
Tgt Ion: 91 Resp: 93345
Ion Ratio Lower Upper
91 100
106 31.9 26.6 40.0

Manual Integrations
APPROVED

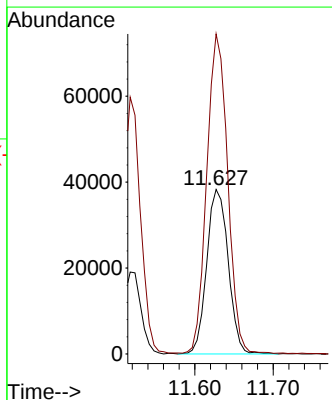
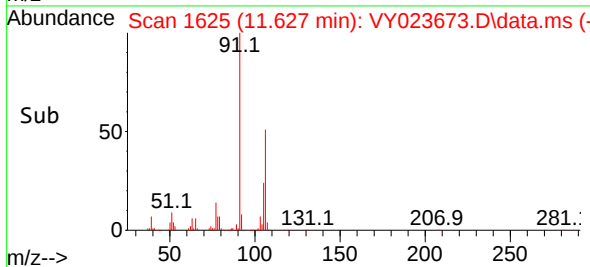
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

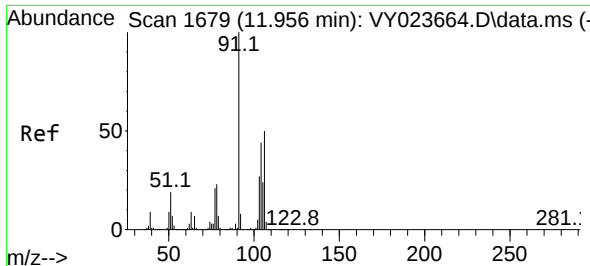


#68
m/p-Xylenes
Concen: 7.151 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



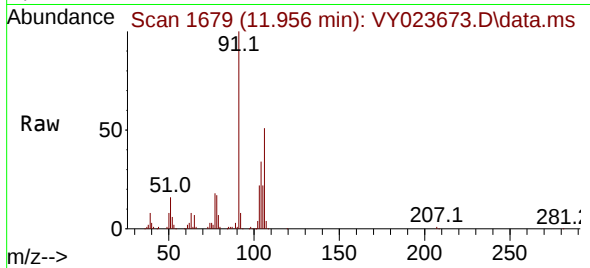
Tgt Ion:106 Resp: 72946
Ion Ratio Lower Upper
106 100
91 189.8 154.3 231.5





#69
o-Xylene
Concen: 3.477 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

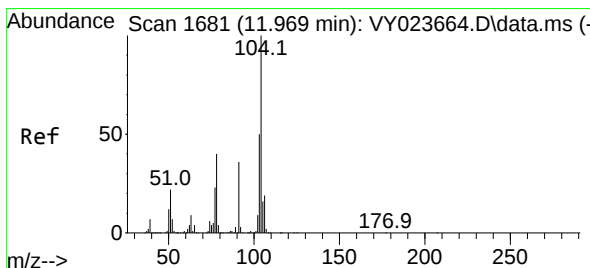
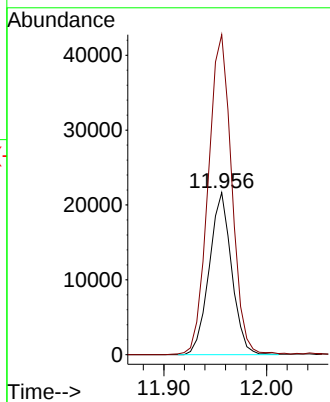
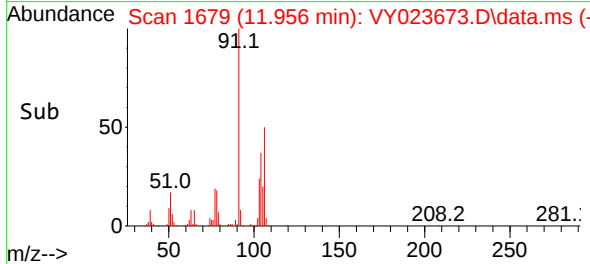
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:106 Resp: 3278
Ion Ratio Lower Upper
106 100
91 207.6 101.6 304.6

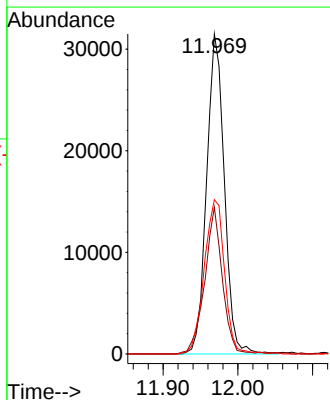
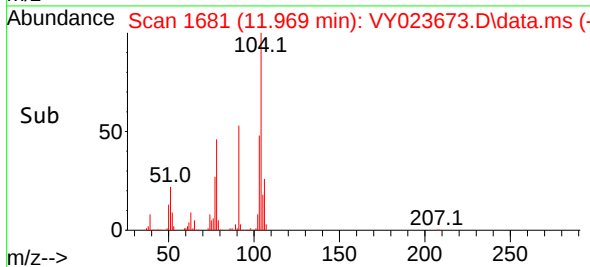
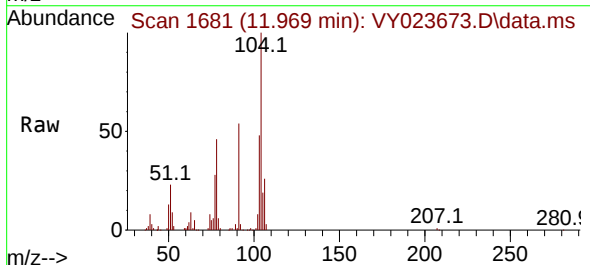
Manual Integrations
APPROVED

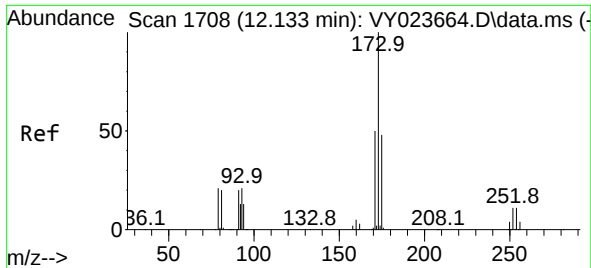
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#70
Styrene
Concen: 3.332 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

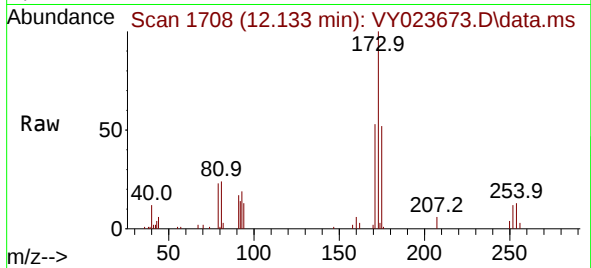
Tgt Ion:104 Resp: 51844
Ion Ratio Lower Upper
104 100
78 45.7 36.5 54.7
103 55.4 43.7 65.5





#71
Bromoform
Concen: 3.931 ug/l
RT: 12.133 min Scan# 1708
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

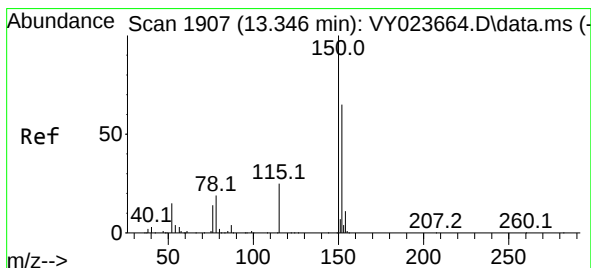
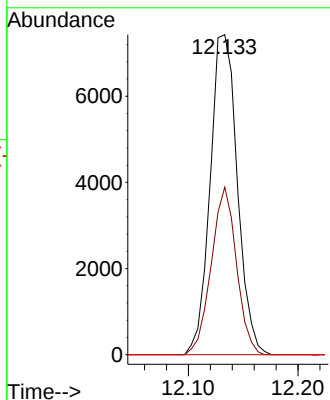
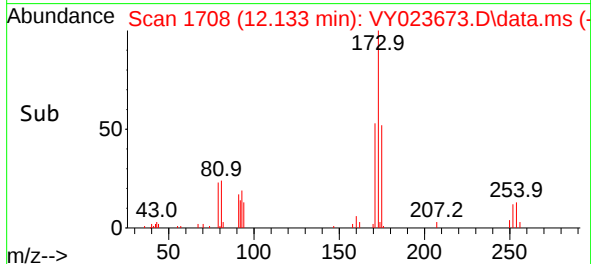
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



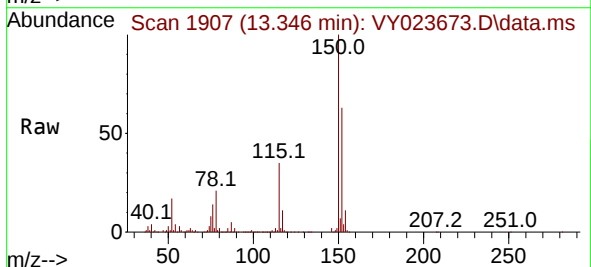
Tgt Ion:173 Resp: 12808
Ion Ratio Lower Upper
173 100
175 48.4 24.2 72.6
254 0.0 0.2 0.2

Manual Integrations
APPROVED

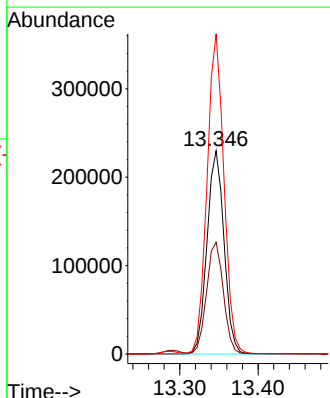
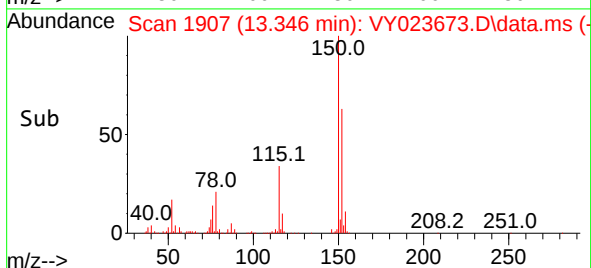
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

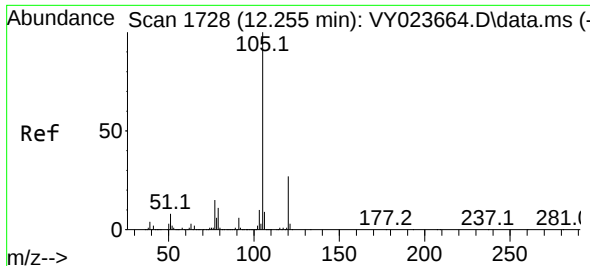


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



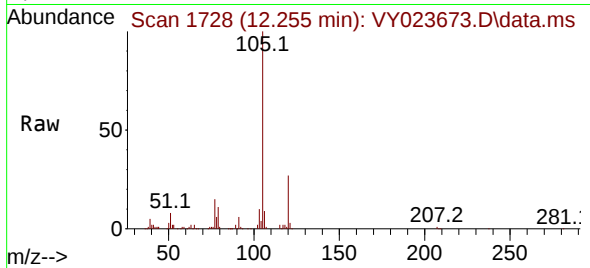
Tgt Ion:152 Resp: 345951
Ion Ratio Lower Upper
152 100
115 54.5 27.5 82.5
150 155.8 0.0 349.0





#73
Isopropylbenzene
Concen: 3.605 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

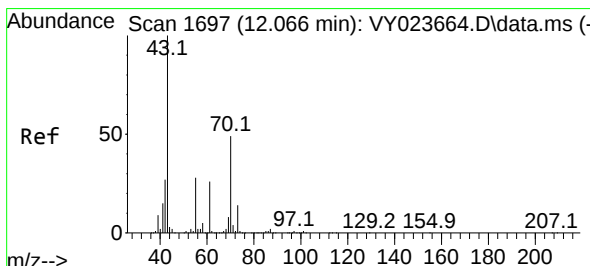
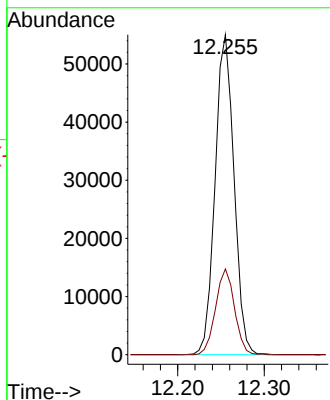
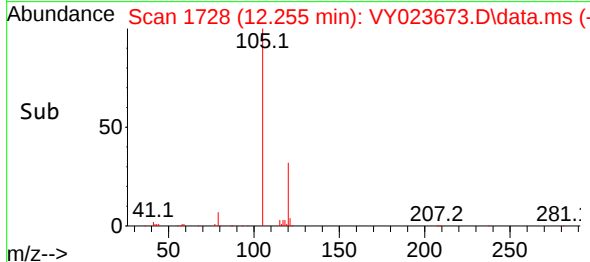
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:105 Resp: 8340
Ion Ratio Lower Upper
105 100
120 26.8 13.6 40.7

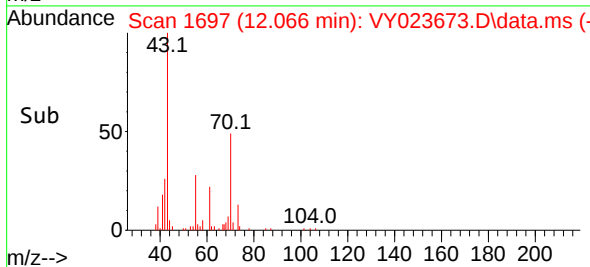
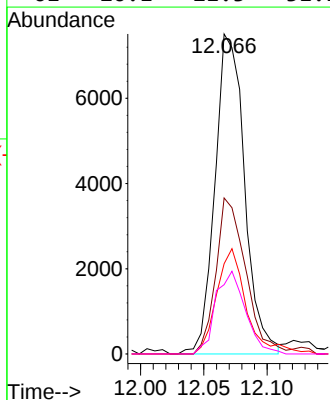
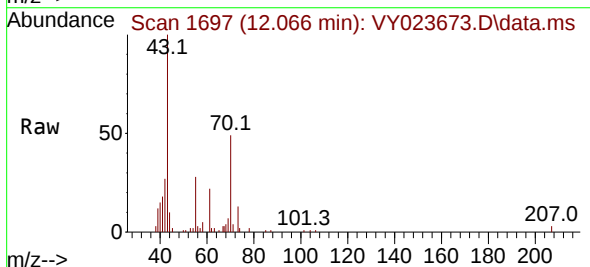
Manual Integrations
APPROVED

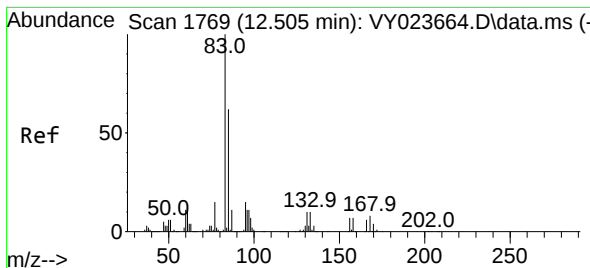
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#74
N-ethyl acetate
Concen: 3.120 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

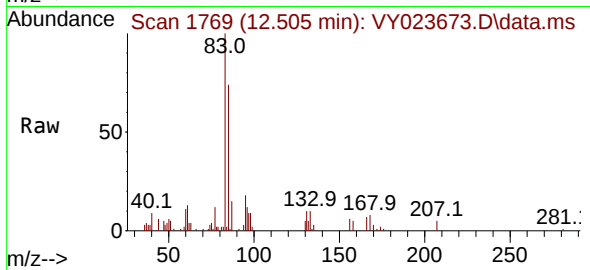
Tgt Ion: 43 Resp: 12223
Ion Ratio Lower Upper
43 100
70 48.9 40.1 60.1
55 33.2 23.0 34.6
61 26.1 21.3 31.9





#75
1,1,2,2-Tetrachloroethane
Concen: 4.057 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

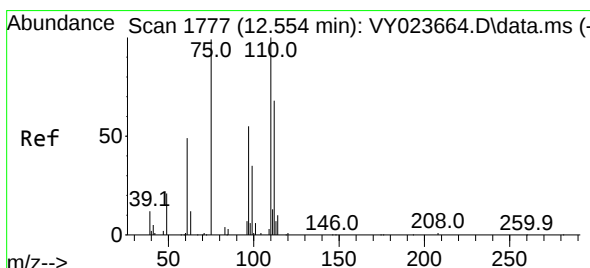
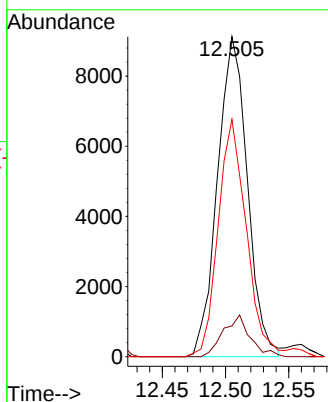
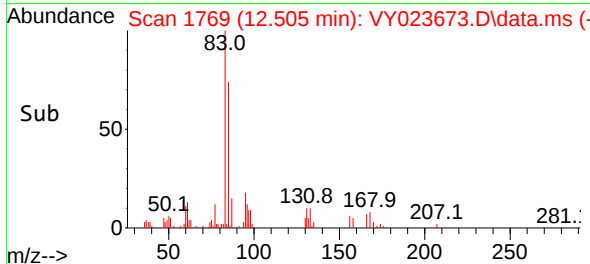
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



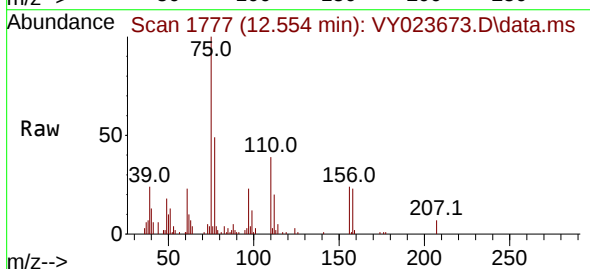
Tgt Ion: 83 Resp: 14992
Ion Ratio Lower Upper
83 100
131 11.7 5.7 17.0
85 69.8 31.9 95.7

Manual Integrations
APPROVED

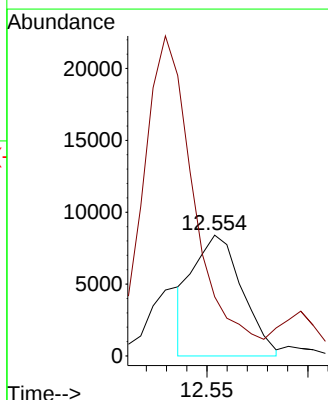
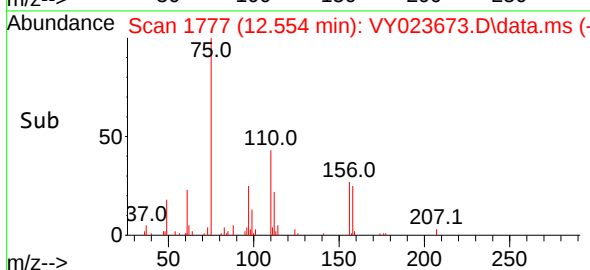
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

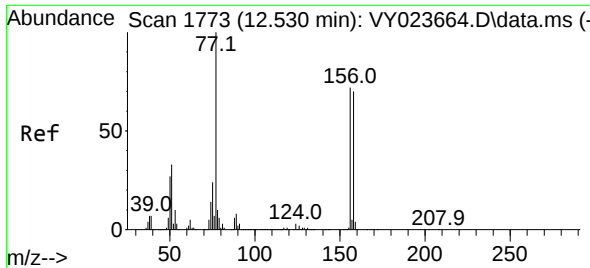


#76
1,2,3-Trichloropropane
Concen: 5.100 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



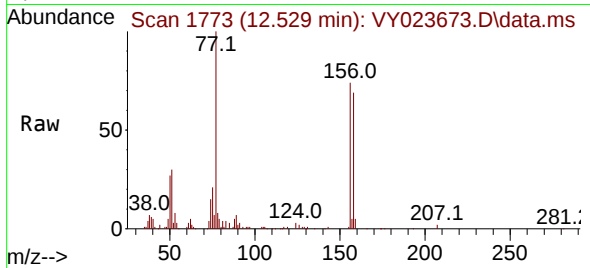
Tgt Ion: 75 Resp: 14279
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 4.228 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

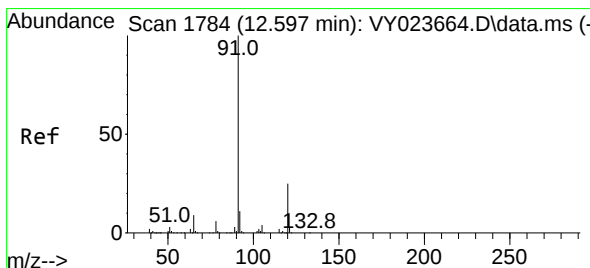
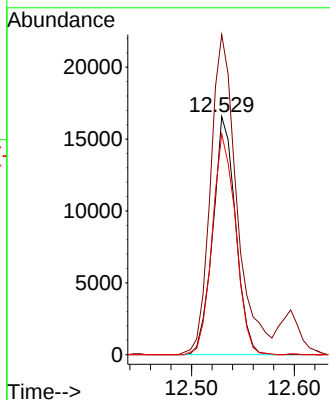
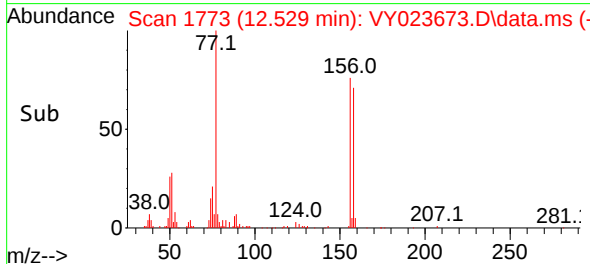
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:156 Resp: 25379
Ion Ratio Lower Upper
156 100
77 155.9 77.9 233.7
158 95.6 48.5 145.5

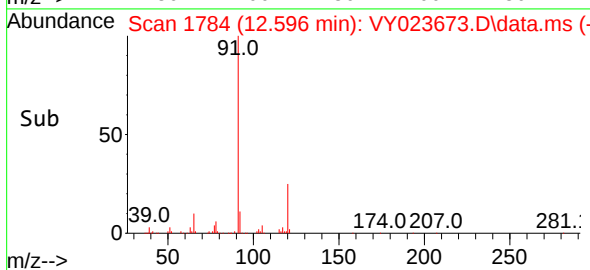
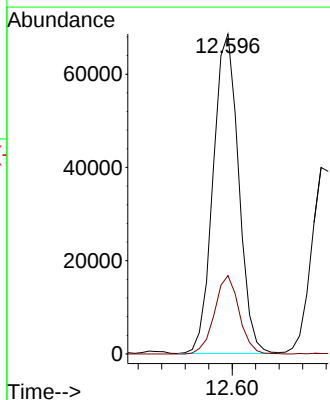
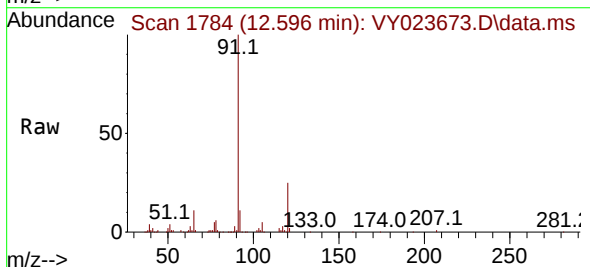
Manual Integrations
APPROVED

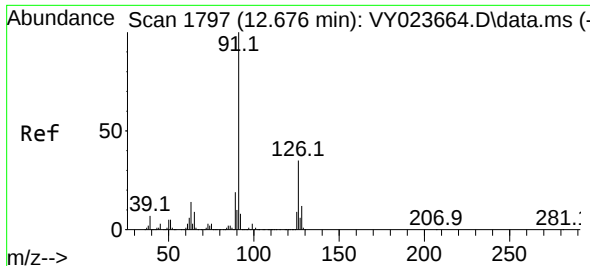
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#78
n-propylbenzene
Concen: 3.794 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

Tgt Ion: 91 Resp: 103265
Ion Ratio Lower Upper
91 100
120 23.6 12.0 36.1





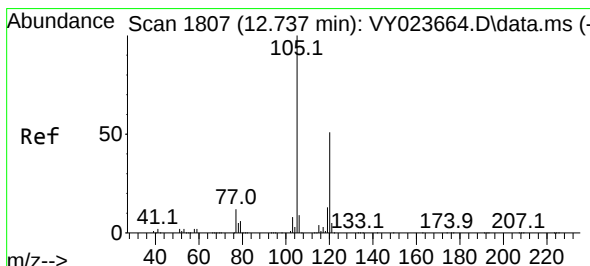
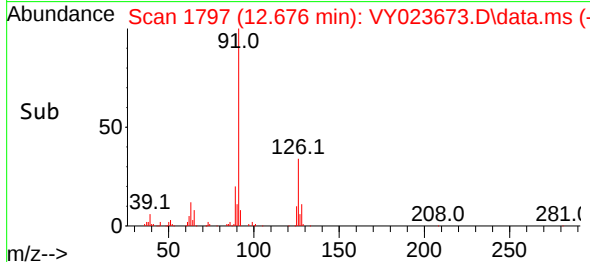
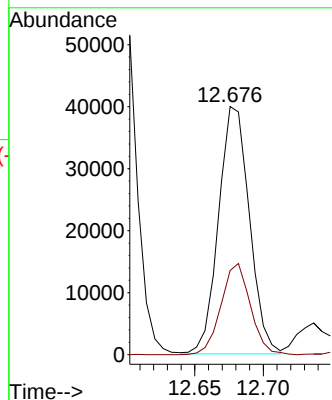
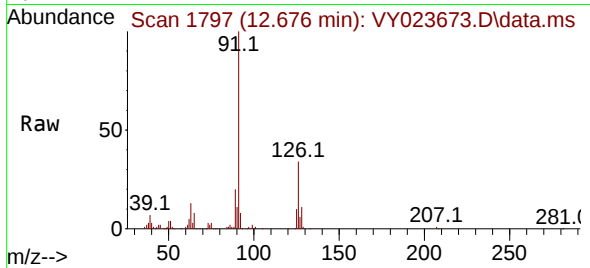
#79
2-Chlorotoluene
Concen: 3.967 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

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

Tgt Ion: 91 Resp: 6264
Ion Ratio Lower Upper
91 100
126 35.0 18.0 54.0

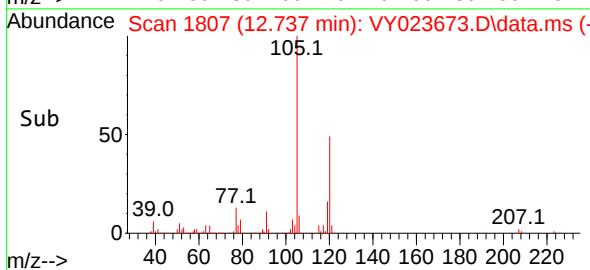
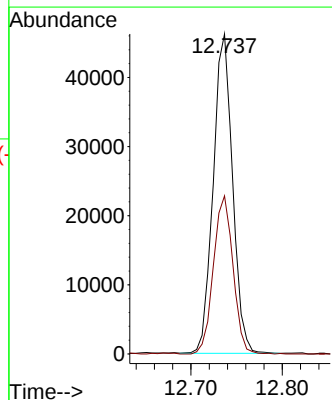
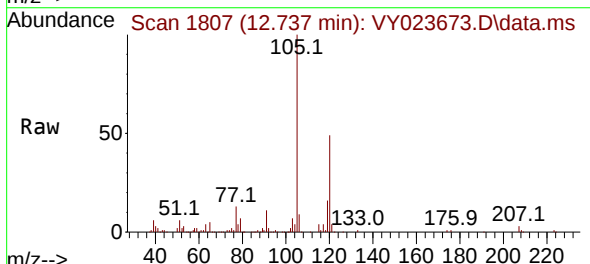
Manual Integrations
APPROVED

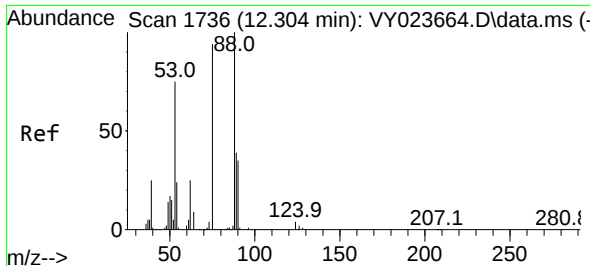
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#80
1,3,5-Trimethylbenzene
Concen: 3.610 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

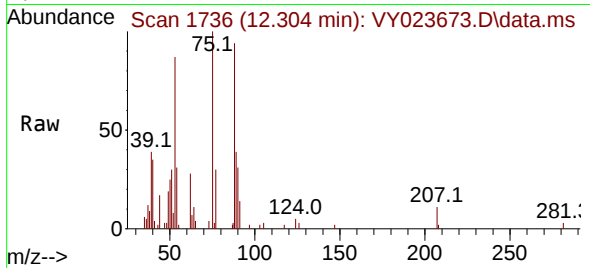
Tgt Ion:105 Resp: 67862
Ion Ratio Lower Upper
105 100
120 50.1 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 3.719 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

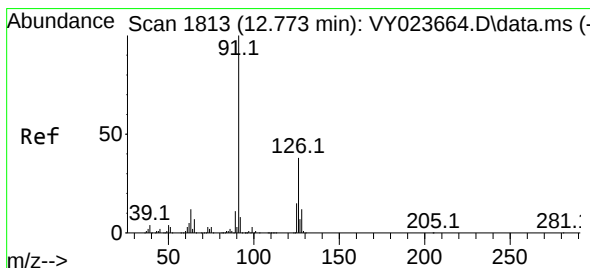
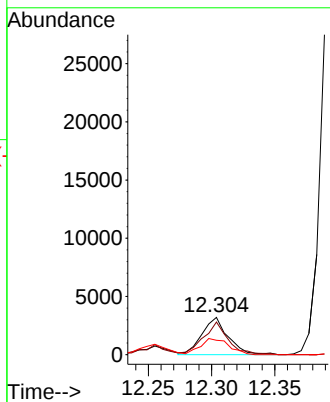
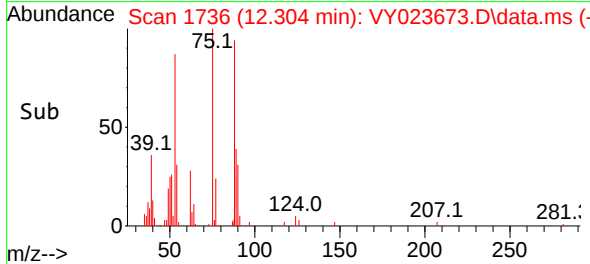
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 75 Resp: 4608
Ion Ratio Lower Upper
75 100
53 83.3 69.6 104.4
89 46.9 38.2 57.4

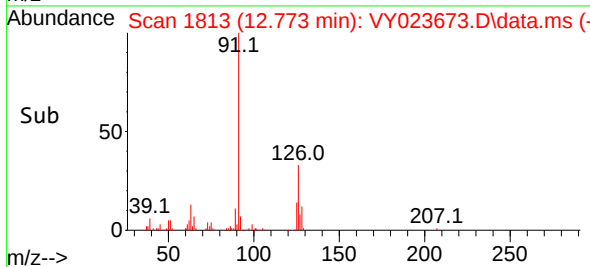
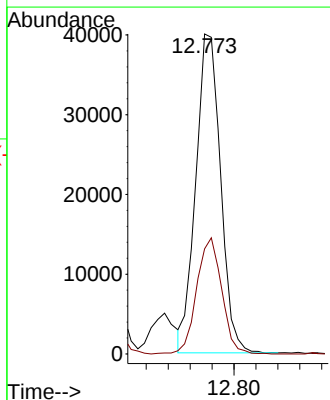
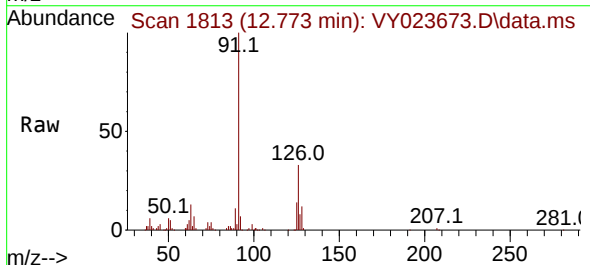
Manual Integrations
APPROVED

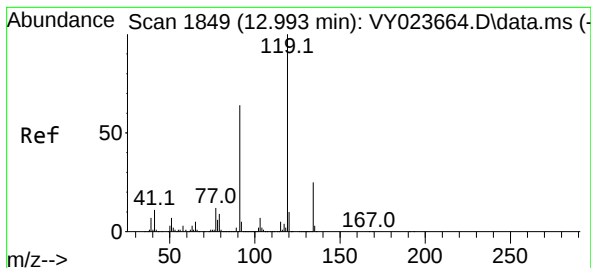
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#82
4-Chlorotoluene
Concen: 3.857 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

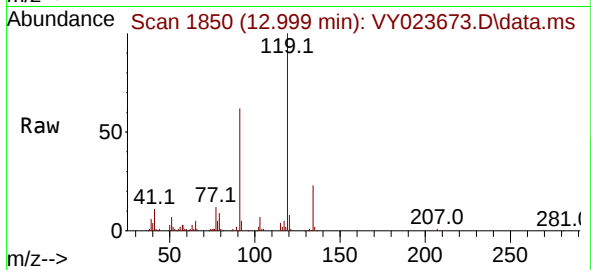
Tgt Ion: 91 Resp: 62813
Ion Ratio Lower Upper
91 100
126 36.8 18.1 54.4





#83
tert-Butylbenzene
Concen: 3.647 ug/l
RT: 12.999 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

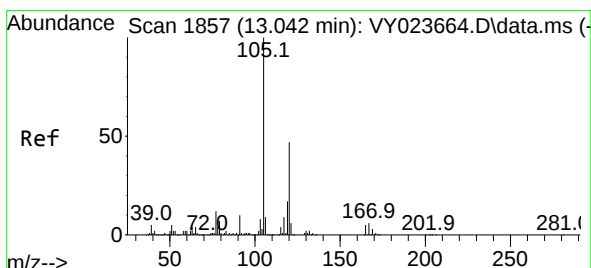
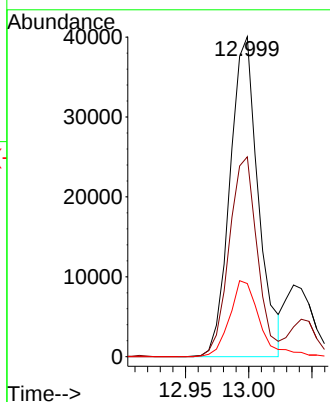
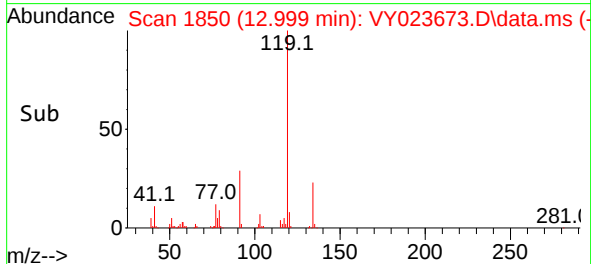
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



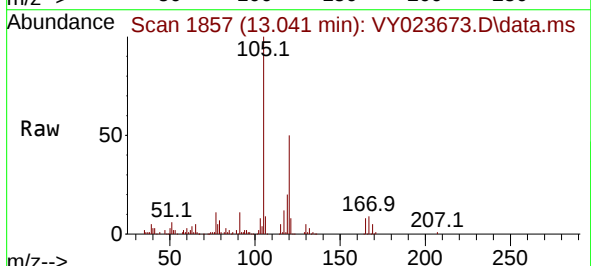
Tgt Ion:119 Resp: 62450
Ion Ratio Lower Upper
119 100
91 62.2 30.7 92.1
134 25.4 13.1 39.1

Manual Integrations
APPROVED

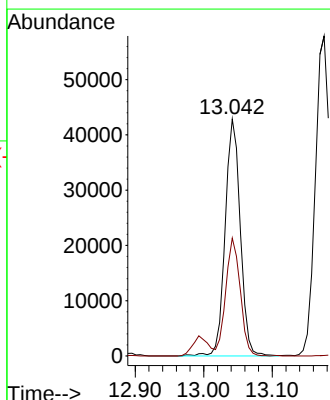
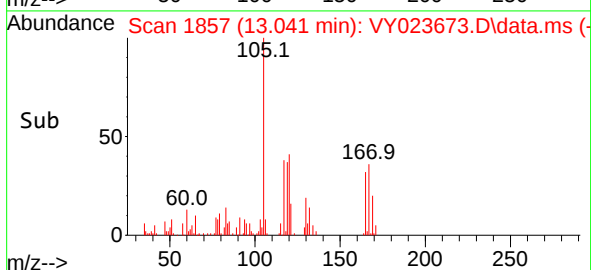
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

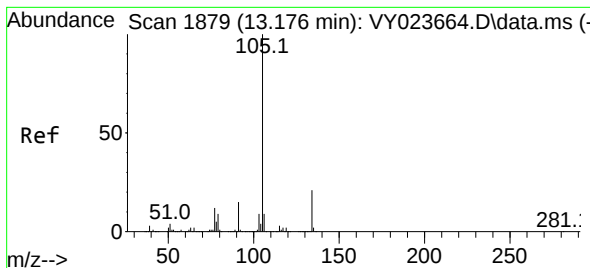


#84
1,2,4-Trimethylbenzene
Concen: 3.521 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



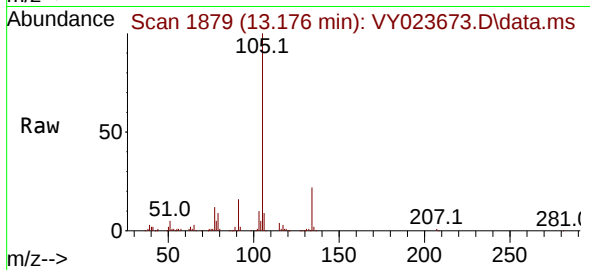
Tgt Ion:105 Resp: 65557
Ion Ratio Lower Upper
105 100
120 47.4 23.2 69.6





#85
 sec-Butylbenzene
 Concen: 3.601 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:31

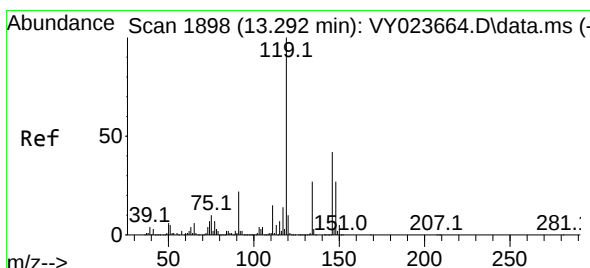
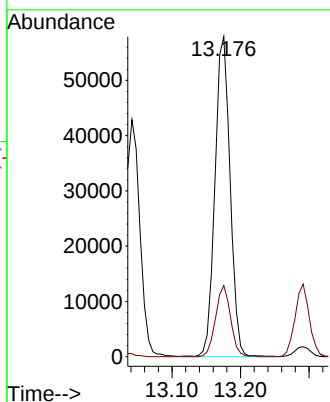
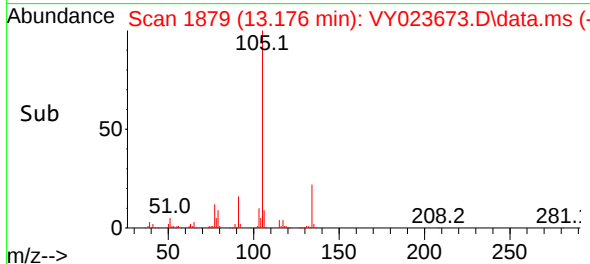
Instrument : MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025



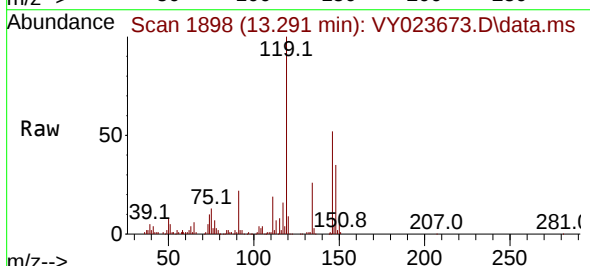
Tgt Ion:105 Resp: 88928
 Ion Ratio Lower Upper
 105 100
 134 21.9 10.4 31.4

Manual Integrations
 APPROVED

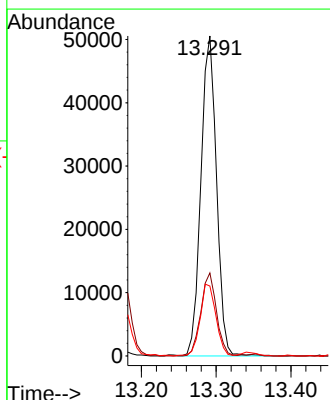
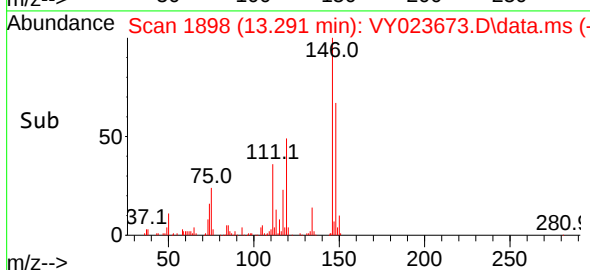
Reviewed By :Amit Patel 11/06/2025
 Supervised By :Semsettin Yesilyurt 11/06/2025

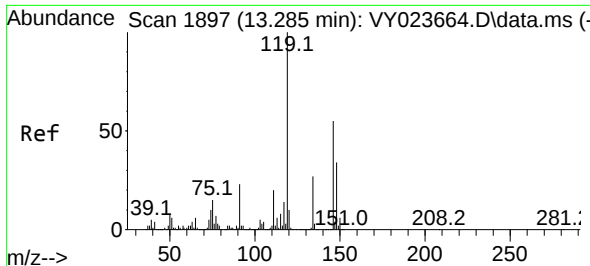


#86
 p-Isopropyltoluene
 Concen: 3.503 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY023673.D
 Acq: 04 Nov 2025 14:31



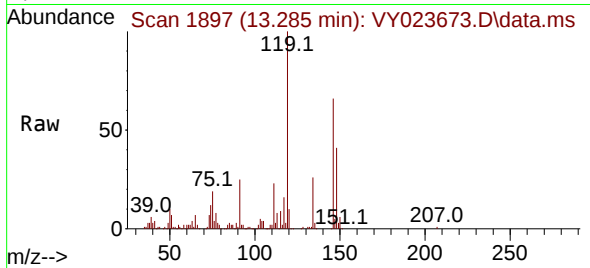
Tgt Ion:119 Resp: 73224
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.4 40.2
 91 22.8 11.1 33.1





#87
1,3-Dichlorobenzene
Concen: 3.849 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

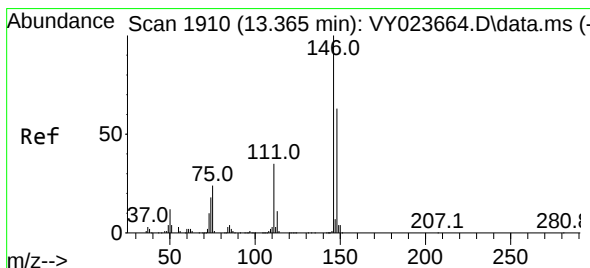
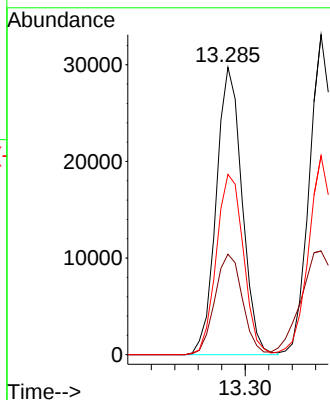
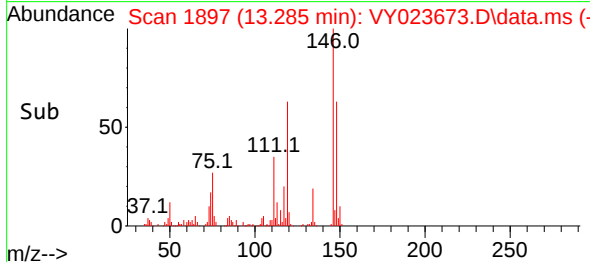
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



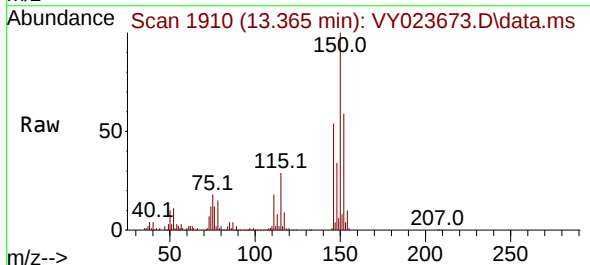
Tgt Ion:146 Resp: 45462
Ion Ratio Lower Upper
146 100
111 37.1 18.8 56.3
148 65.7 31.9 95.5

Manual Integrations
APPROVED

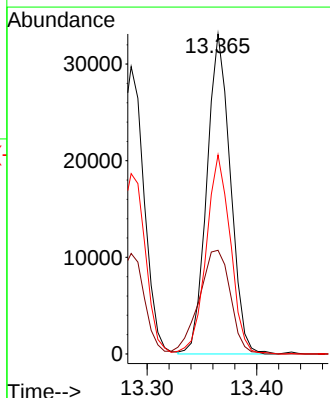
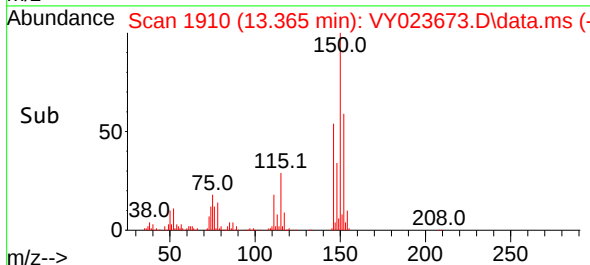
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

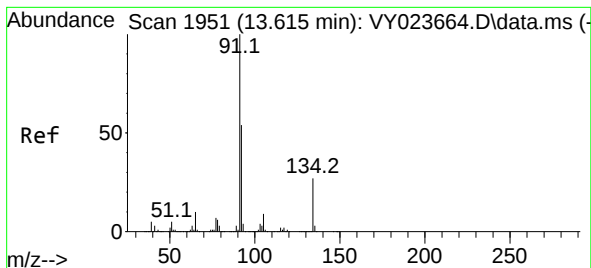


#88
1,4-Dichlorobenzene
Concen: 4.259 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



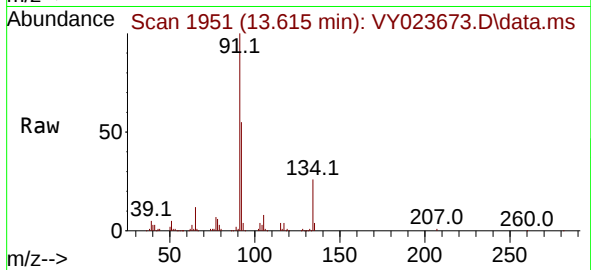
Tgt Ion:146 Resp: 49420
Ion Ratio Lower Upper
146 100
111 43.1 18.3 54.8
148 64.3 31.8 95.3





#89
n-Butylbenzene
Concen: 3.570 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

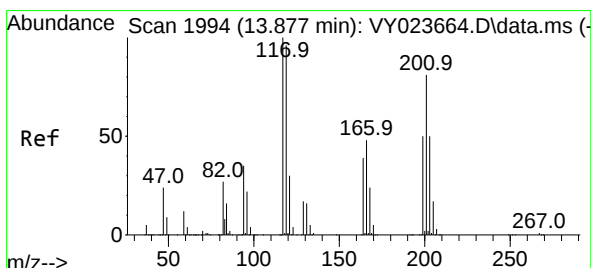
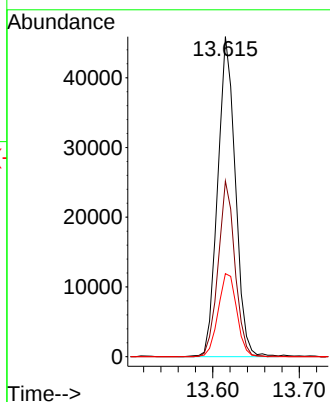
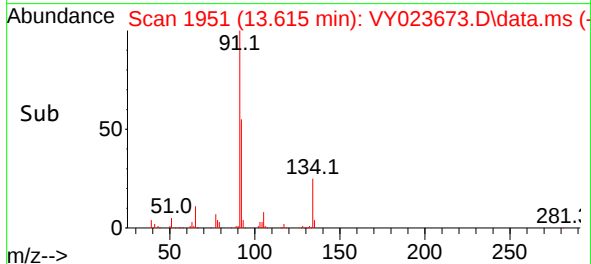
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 91 Resp: 64908
Ion Ratio Lower Upper
91 100
92 52.2 26.5 79.4
134 27.4 13.7 41.1

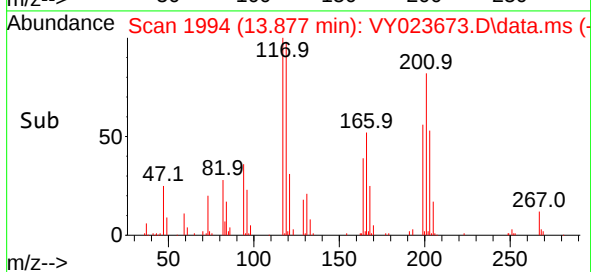
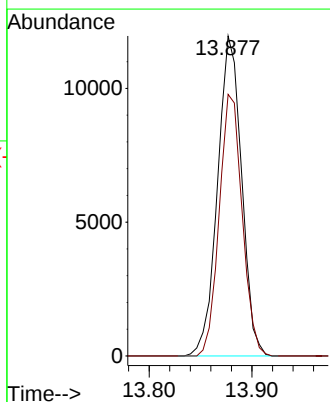
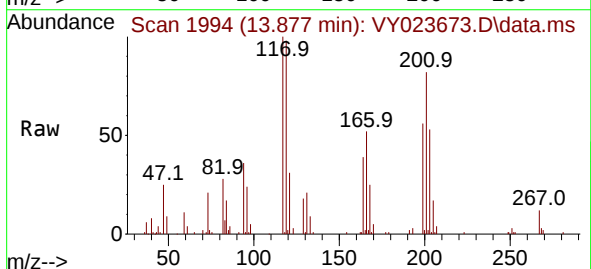
Manual Integrations
APPROVED

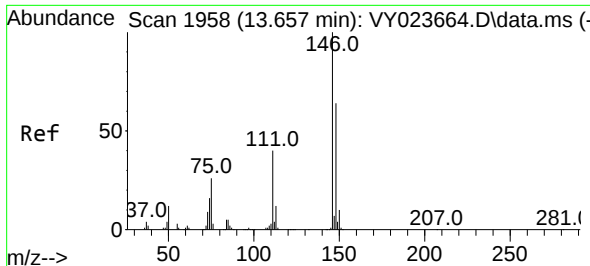
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#90
Hexachloroethane
Concen: 4.320 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

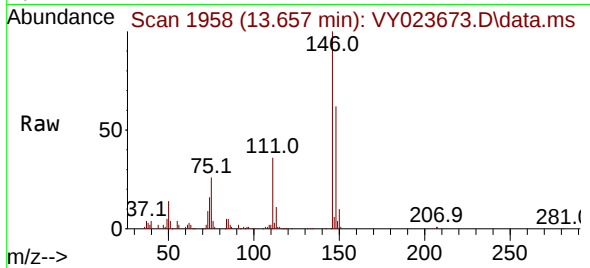
Tgt Ion:117 Resp: 19409
Ion Ratio Lower Upper
117 100
201 78.0 42.3 126.8





#91
1,2-Dichlorobenzene
Concen: 3.963 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31

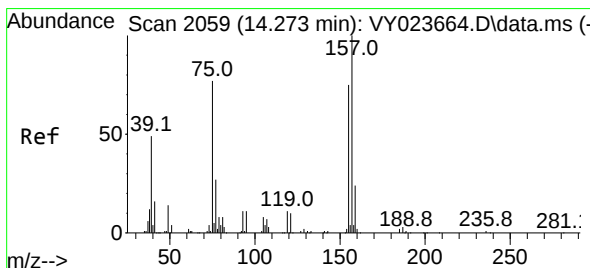
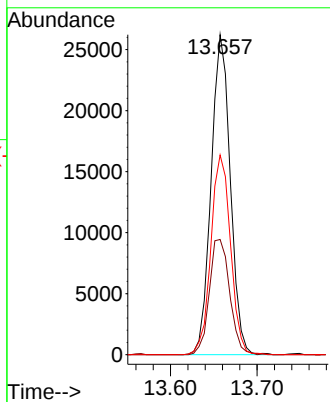
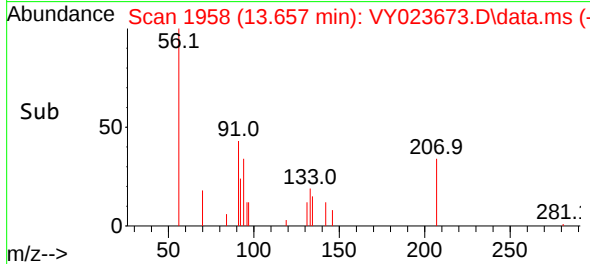
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



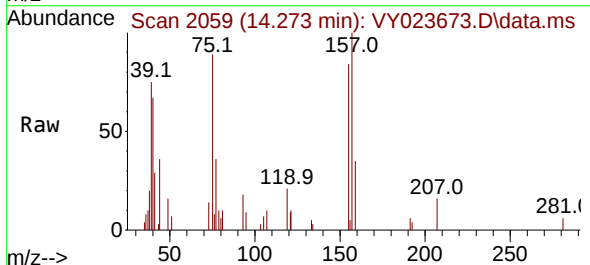
Tgt Ion:146 Resp: 40340
Ion Ratio Lower Upper
146 100
111 38.3 19.5 58.5
148 63.9 31.9 95.9

Manual Integrations
APPROVED

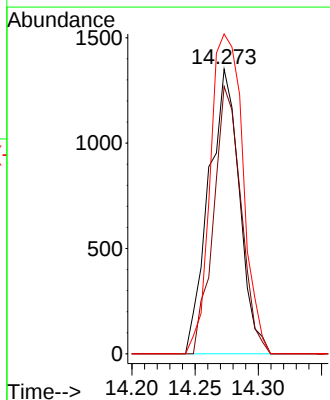
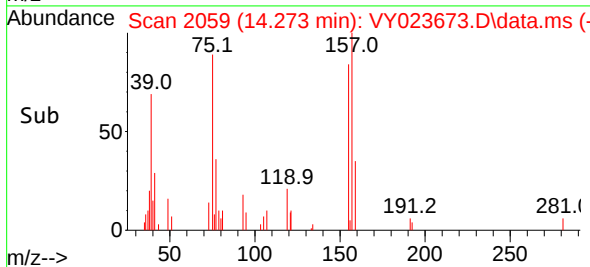
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

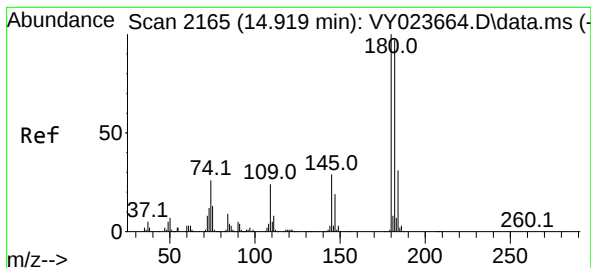


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.012 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023673.D
Acq: 04 Nov 2025 14:31



Tgt Ion: 75 Resp: 2283
Ion Ratio Lower Upper
75 100
155 83.8 49.4 148.2
157 119.3 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 3.573 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023673.D

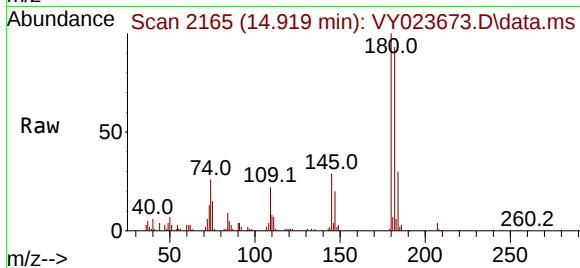
Acq: 04 Nov 2025 14:31

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025



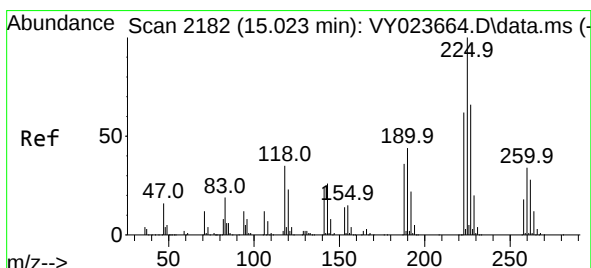
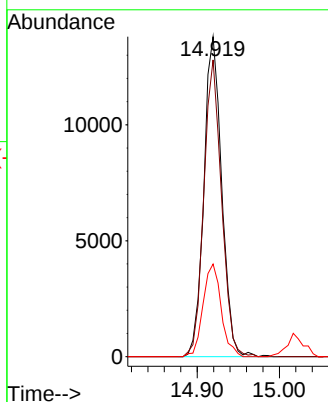
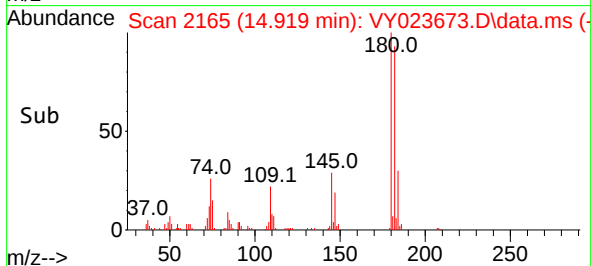
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.5	142.6
145	29.4	14.4	43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#94

Hexachlorobutadiene

Concen: 4.191 ug/l

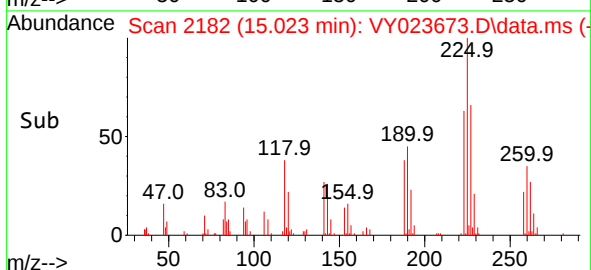
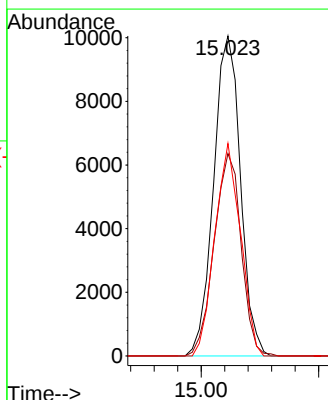
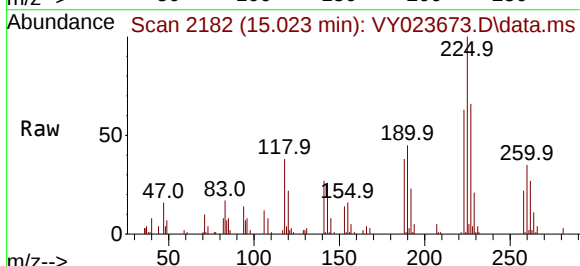
RT: 15.023 min Scan# 2182

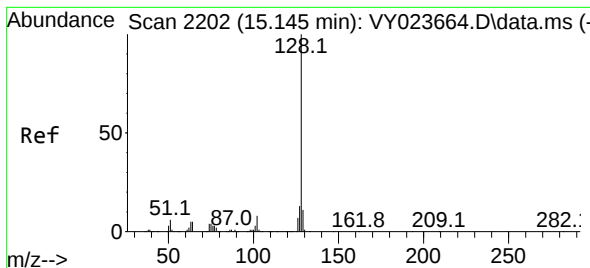
Delta R.T. -0.000 min

Lab File: VY023673.D

Acq: 04 Nov 2025 14:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.8	92.3
227	63.6	32.0	96.2





#95

Naphthalene

Concen: 3.132 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY023673.D

Acq: 04 Nov 2025 14:31

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

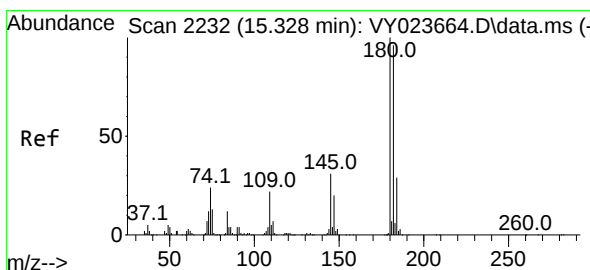
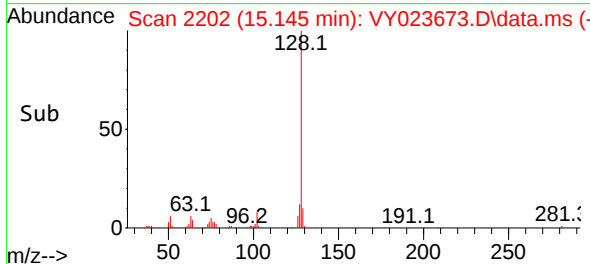
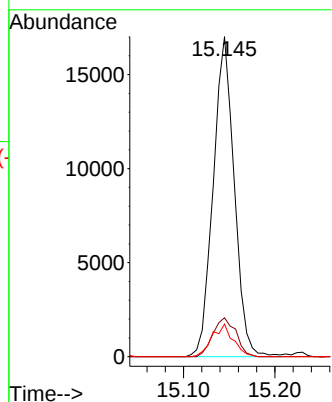
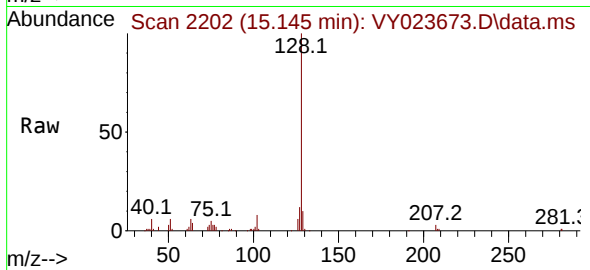
Tgt Ion:	128	Resp:	2724
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	10.2	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#96

1,2,3-Trichlorobenzene

Concen: 3.591 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY023673.D

Acq: 04 Nov 2025 14:31

Tgt Ion:	180	Resp:	17470
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.5	142.6
145	30.2	15.5	46.5

