

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032152.D
 Acq On : 28 Aug 2025 12:14
 Operator : SY/MD
 Sample : Q2893-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

Quant Time: Aug 29 01:37:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 01:37:47 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/29/2025
 Supervised By : Mahesh Dadoda 08/29/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	211312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.843	114	374779	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.636	117	341128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	156476	51.778	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 103.560%			
35) Dibromofluoromethane	7.898	113	129684	49.320	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.640%			
50) Toluene-d8	10.325	98	460231	49.859	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.720%			
62) 4-Bromofluorobenzene	12.617	95	166980	48.920	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 97.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	3365	2.412	ug/l	91
3) Chloromethane	2.253	50	4688	3.205	ug/l	94
4) Vinyl Chloride	2.405	62	5482	2.885	ug/l	95
5) Bromomethane	2.820	94	4631	2.730	ug/l	87
6) Chloroethane	2.966	64	3925	2.933	ug/l	93
7) Trichlorofluoromethane	3.308	101	4265	2.266	ug/l	94
8) Diethyl Ether	3.716	74	5091	3.624	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	6168	2.909	ug/l	96
10) Methyl Iodide	4.301	142	8761	2.713	ug/l	99
11) Tert butyl alcohol	5.210	59	3165	17.122	ug/l #	85
12) 1,1-Dichloroethene	4.070	96	6223	2.786	ug/l	95
13) Acrolein	3.930	56	1246m	4.385	ug/l	
14) Allyl chloride	4.698	41	7568	2.386	ug/l	88
15) Acrylonitrile	5.405	53	8653	12.669	ug/l	92
16) Acetone	4.155	43	12323	18.829	ug/l	94
17) Carbon Disulfide	4.411	76	13121	2.349	ug/l #	95
18) Methyl Acetate	4.704	43	5661	2.715	ug/l	97
19) Methyl tert-butyl Ether	5.460	73	10783	2.557	ug/l	97
20) Methylene Chloride	4.948	84	18280	5.967	ug/l #	95
21) trans-1,2-Dichloroethene	5.460	96	5980	2.397	ug/l #	75
22) Diisopropyl ether	6.338	45	17403	2.521	ug/l #	96
23) Vinyl Acetate	6.283	43	48403	10.311	ug/l	98
24) 1,1-Dichloroethane	6.240	63	12018	2.659	ug/l	98
25) 2-Butanone	7.197	43	12010	12.950	ug/l	98
26) 2,2-Dichloropropane	7.179	77	6574	2.746	ug/l	98
27) cis-1,2-Dichloroethene	7.179	96	7574	2.495	ug/l	97
28) Bromochloromethane	7.520	49	5648	2.730	ug/l	96
29) Tetrahydrofuran	7.557	42	7139	12.113	ug/l	91
30) Chloroform	7.691	83	13667	2.648	ug/l	98
31) Cyclohexane	7.965	56	14196	3.826	ug/l #	73
32) 1,1,1-Trichloroethane	7.886	97	10214	2.711	ug/l	96
36) 1,1-Dichloropropene	8.093	75	8202	2.406	ug/l	90
37) Ethyl Acetate	7.270	43	5268m	2.576	ug/l	
38) Carbon Tetrachloride	8.081	117	9148	2.503	ug/l	97
39) Methylcyclohexane	9.337	83	10158	2.516	ug/l	93
40) Benzene	8.337	78	26009	2.468	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	3062	2.695	ug/l #	68
42) 1,2-Dichloroethane	8.404	62	9611	2.631	ug/l	99
43) Isopropyl Acetate	8.435	43	8816	2.298	ug/l #	88
44) Trichloroethene	9.099	130	6803	2.567	ug/l	90
45) 1,2-Dichloropropane	9.374	63	6373	2.509	ug/l	92
46) Dibromomethane	9.465	93	4490	2.520	ug/l	94
47) Bromodichloromethane	9.648	83	9164	2.263	ug/l #	94
48) Methyl methacrylate	9.447	41	3612	2.043	ug/l	99
49) 1,4-Dioxane	9.459	88	890	41.340	ug/l #	74
51) 4-Methyl-2-Pentanone	10.215	43	23136	10.679	ug/l	98
52) Toluene	10.392	92	17133	2.488	ug/l	93
53) t-1,3-Dichloropropene	10.611	75	8142	2.279	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	9140	2.242	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	5846	2.523	ug/l	98
56) Ethyl methacrylate	10.654	69	6172	2.084	ug/l	98
57) 1,3-Dichloropropane	10.934	76	9319	2.402	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.929	63	16616	10.509	ug/l	97
59) 2-Hexanone	10.971	43	16263	10.794	ug/l	93
60) Dibromochloromethane	11.130	129	6099	2.175	ug/l	93
61) 1,2-Dibromoethane	11.239	107	5696	2.500	ug/l	96
64) Tetrachloroethene	10.867	164	6199	2.761	ug/l	95
65) Chlorobenzene	11.660	112	19871	2.559	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	6380	2.496	ug/l	97
67) Ethyl Benzene	11.727	91	30130	2.368	ug/l	99
68) m/p-Xylenes	11.837	106	22585	4.613	ug/l	99
69) o-Xylene	12.160	106	9870	2.131	ug/l	91
70) Styrene	12.178	104	17294	2.118	ug/l	98
71) Bromoform	12.349	173	3757	2.475	ug/l #	100
73) Isopropylbenzene	12.465	105	25229	2.127	ug/l	95
74) N-amyl acetate	12.270	43	6657	1.933	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.715	83	6810	2.416	ug/l	92
76) 1,2,3-Trichloropropane	12.763	75	5134m	2.347	ug/l	
77) Bromobenzene	12.745	156	8044	2.659	ug/l	96
78) n-propylbenzene	12.800	91	35414	2.459	ug/l	97
79) 2-Chlorotoluene	12.891	91	20379	2.314	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	22207	2.211	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.513	75	1721m	2.118	ug/l	
82) 4-Chlorotoluene	12.983	91	23892	2.535	ug/l	100
83) tert-Butylbenzene	13.202	119	19816	2.327	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	22431	2.159	ug/l	97
85) sec-Butylbenzene	13.379	105	29137	2.292	ug/l	97
86) p-Isopropyltoluene	13.489	119	24445	2.261	ug/l	96
87) 1,3-Dichlorobenzene	13.495	146	15713	2.580	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	15973	2.616	ug/l	89
89) n-Butylbenzene	13.818	91	24495	2.376	ug/l	99
90) Hexachloroethane	14.092	117	5193	2.626	ug/l	93
91) 1,2-Dichlorobenzene	13.861	146	14123	2.619	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	1244	2.498	ug/l	94
93) 1,2,4-Trichlorobenzene	15.129	180	8408	2.440	ug/l	96
94) Hexachlorobutadiene	15.220	225	4708	2.755	ug/l	94
95) Naphthalene	15.360	128	16832	2.159	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	8010	2.500	ug/l	95

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Manual Integrations
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Supervised By :Mahesh Dadoda 08/29/2025

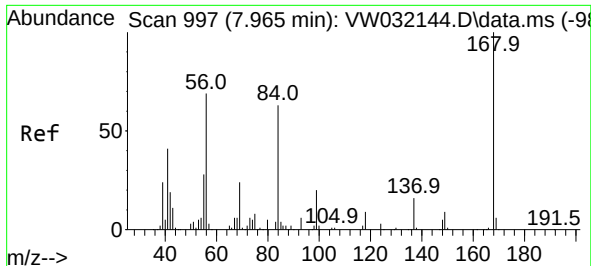
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

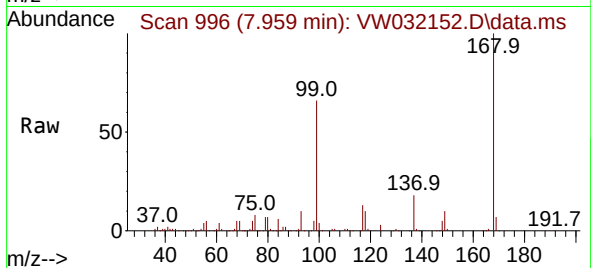
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032152.D
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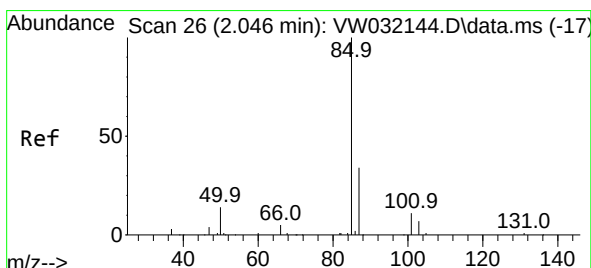
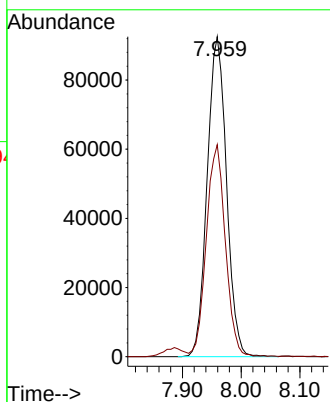
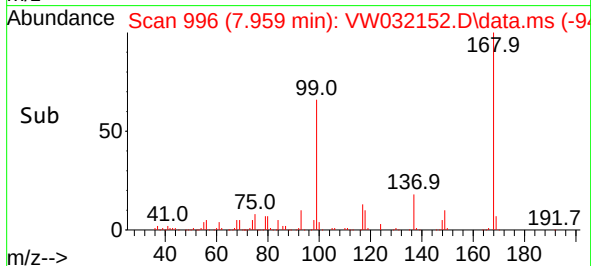
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:168 Resp: 21131
Ion Ratio Lower Upper
168 100
99 66.1 49.3 73.9

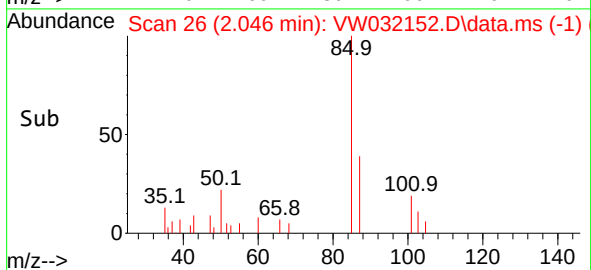
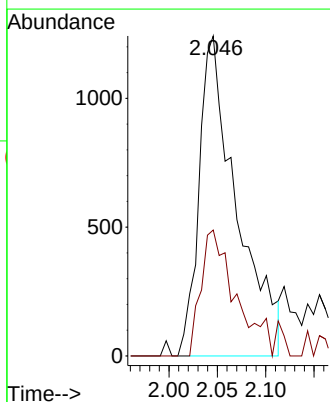
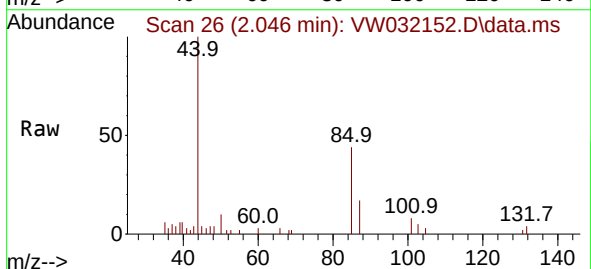
Manual Integrations
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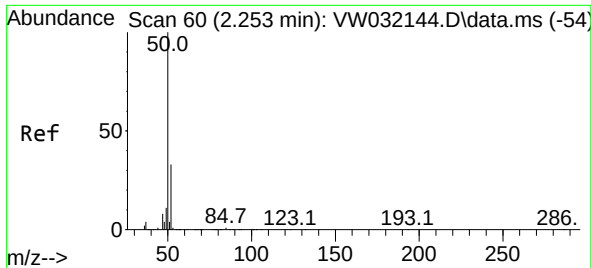
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#2
Dichlorodifluoromethane
Concen: 2.412 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

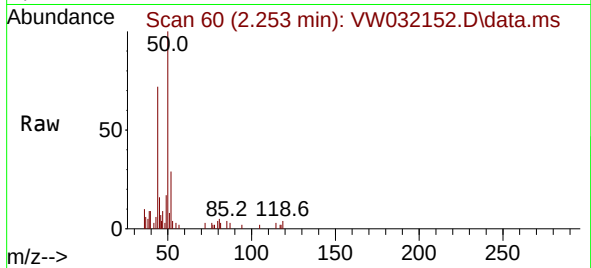
Tgt Ion: 85 Resp: 3365
Ion Ratio Lower Upper
85 100
87 39.4 17.2 51.6





#3
Chloromethane
Concen: 3.205 ug/l
RT: 2.253 min Scan# 60
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

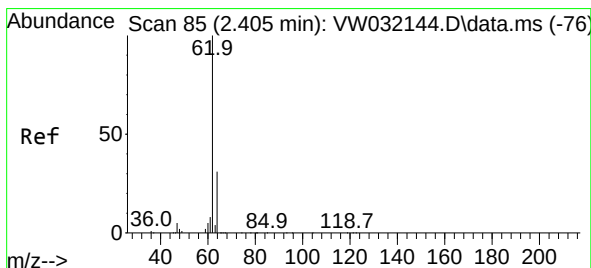
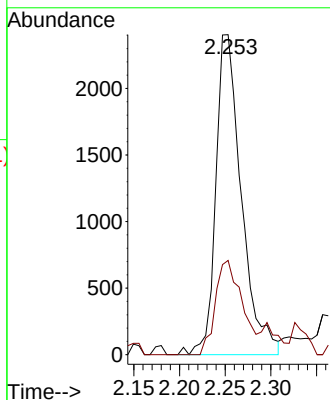
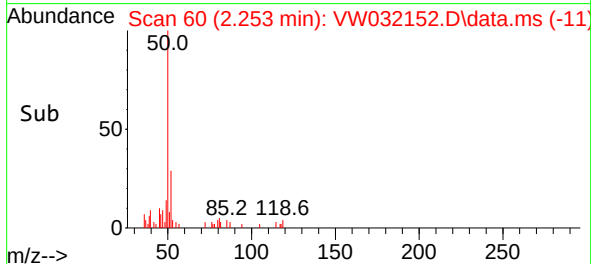
Instrument :
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Tgt Ion: 50 Resp: 468
Ion Ratio Lower Upper
50 100
52 29.5 26.1 39.1

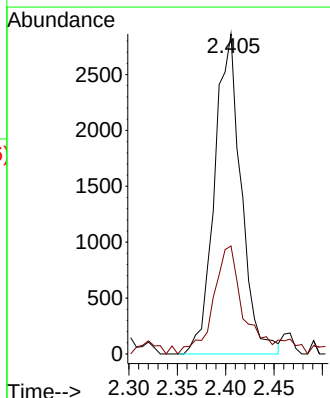
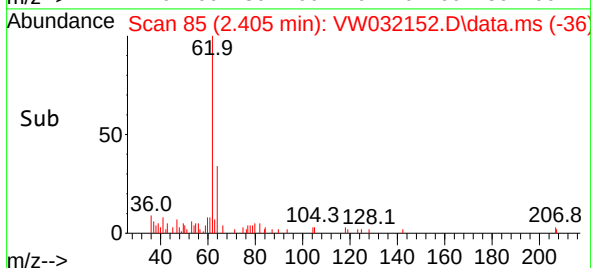
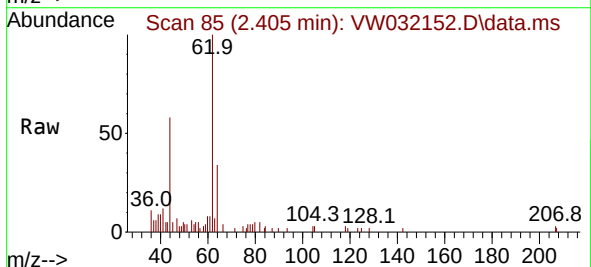
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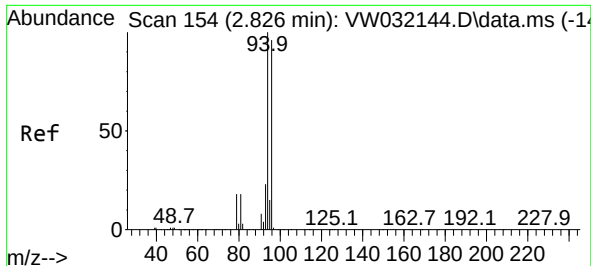
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#4
Vinyl Chloride
Concen: 2.885 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

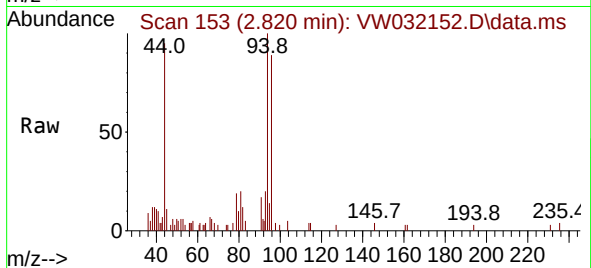
Tgt Ion: 62 Resp: 5482
Ion Ratio Lower Upper
62 100
64 33.7 24.8 37.2





#5
Bromomethane
Concen: 2.730 ug/l
RT: 2.820 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

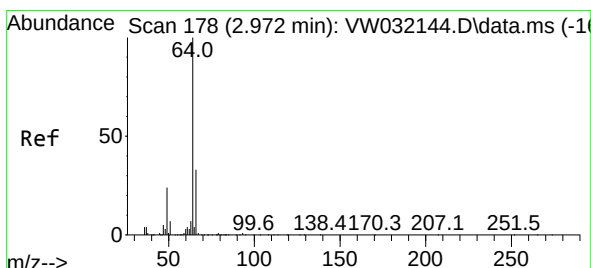
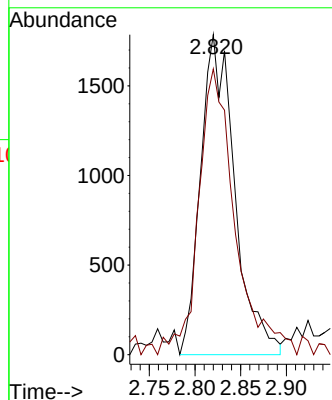
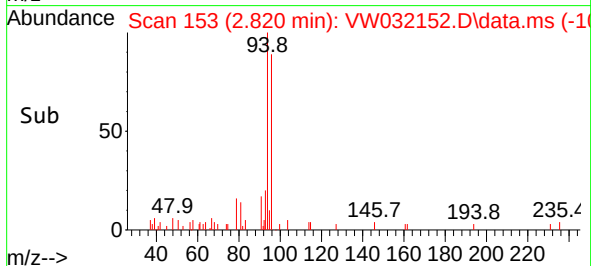
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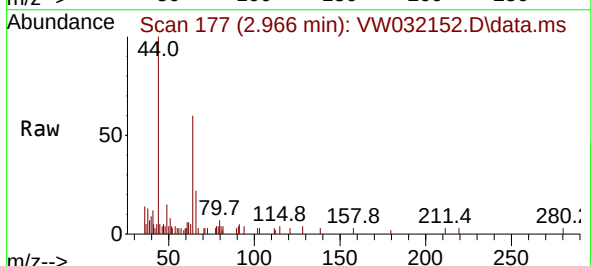
Tgt Ion: 94 Resp: 463
Ion Ratio Lower Upper
94 100
96 83.5 76.6 115.0

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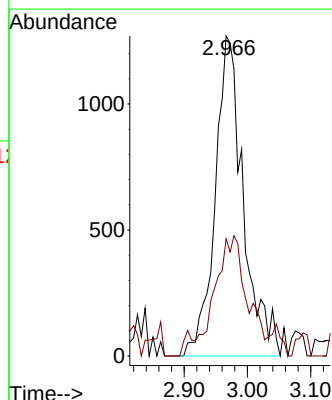
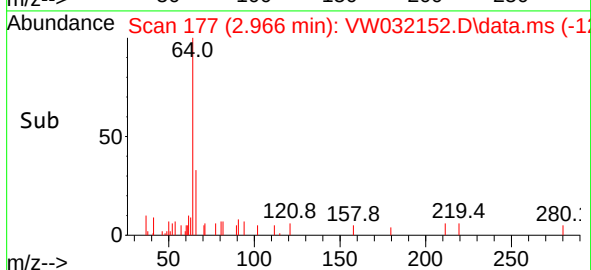
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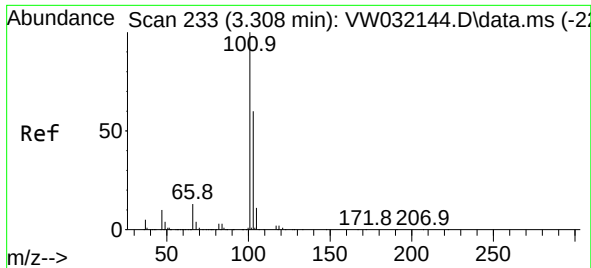


#6
Chloroethane
Concen: 2.933 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032152.D
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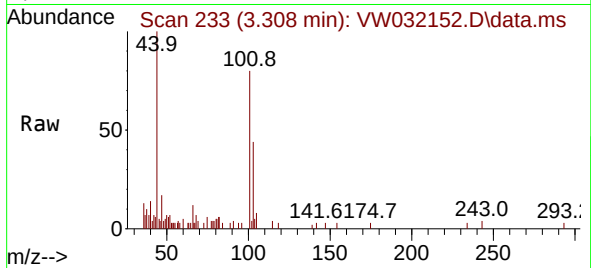
Tgt Ion: 64 Resp: 3925
Ion Ratio Lower Upper
64 100
66 36.6 26.2 39.4





#7
 Trichlorofluoromethane
 Concen: 2.266 ug/l
 RT: 3.308 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:14

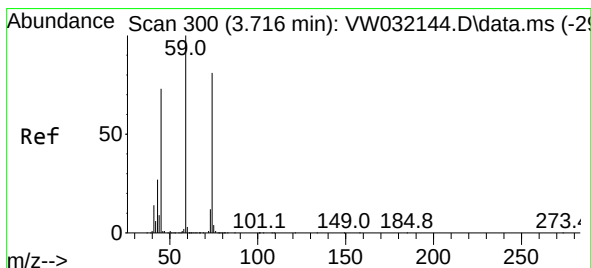
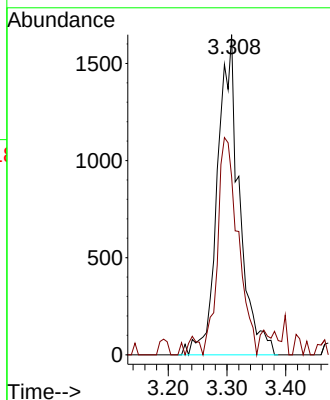
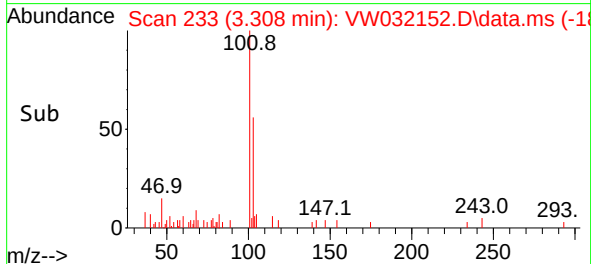
Instrument :
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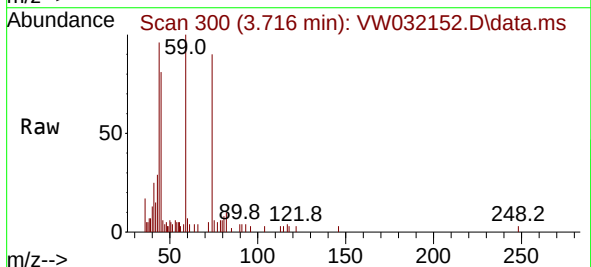
Tgt Ion:101 Resp: 426
 Ion Ratio Lower Upper
 101 100
 103 55.6 47.8 71.8

Manual Integrations
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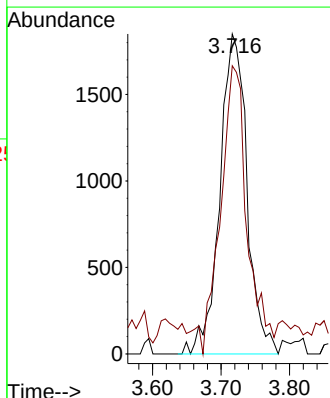
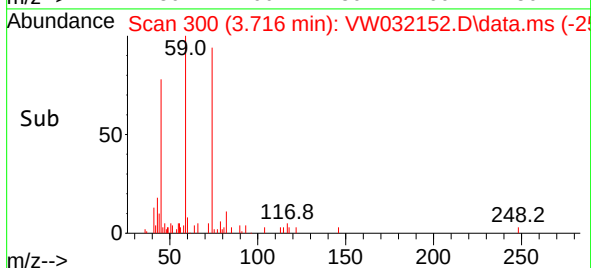
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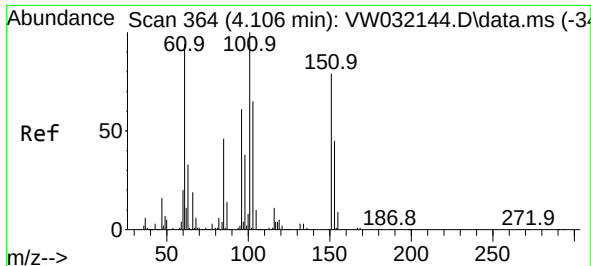


#8
 Diethyl Ether
 Concen: 3.624 ug/l
 RT: 3.716 min Scan# 300
 Delta R.T. 0.000 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:14



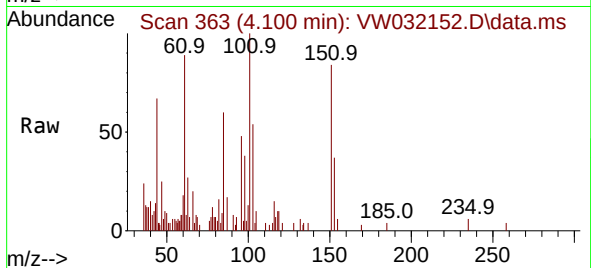
Tgt Ion: 74 Resp: 5091
 Ion Ratio Lower Upper
 74 100
 45 87.4 43.1 129.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.909 ug/l
RT: 4.100 min Scan# 301
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

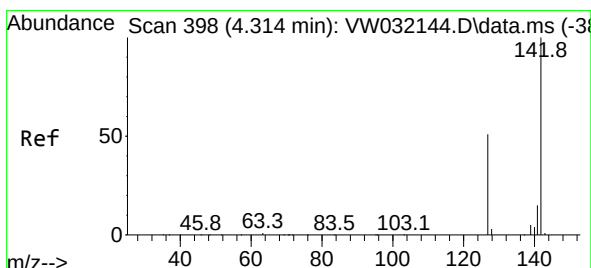
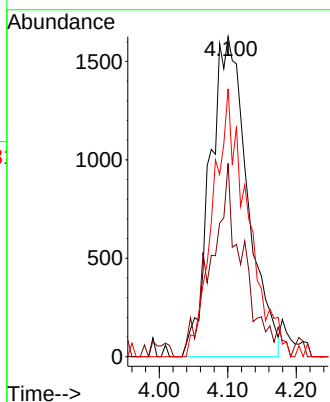
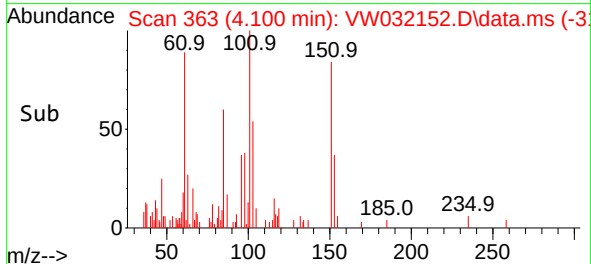
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion:101 Resp: 616
Ion Ratio Lower Upper
101 100
85 51.7 37.1 55.7
151 77.8 61.5 92.3

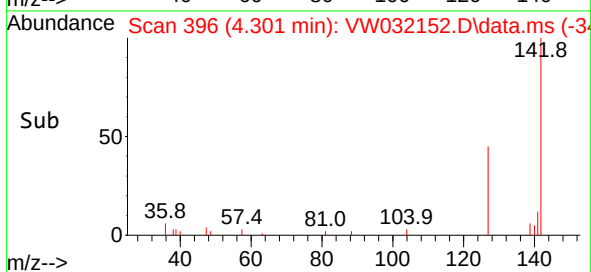
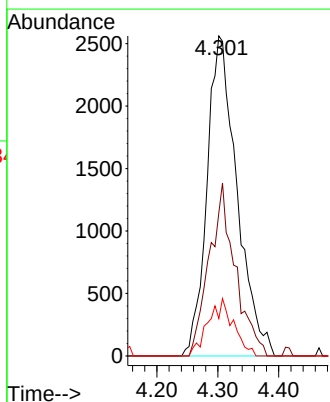
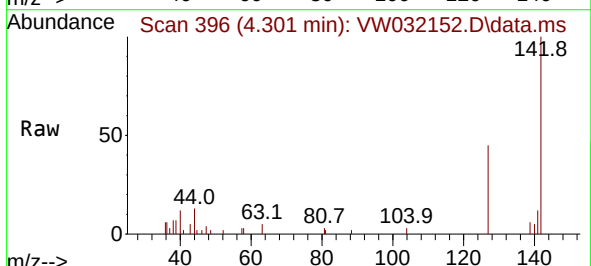
Manual Integrations
APPROVED

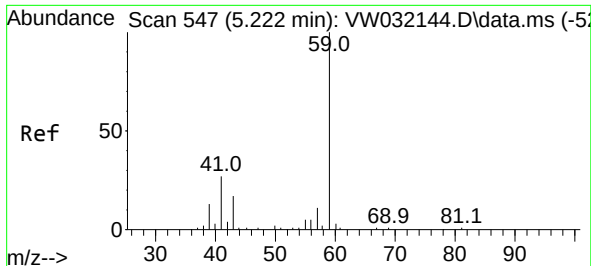
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#10
Methyl Iodide
Concen: 2.713 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.012 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

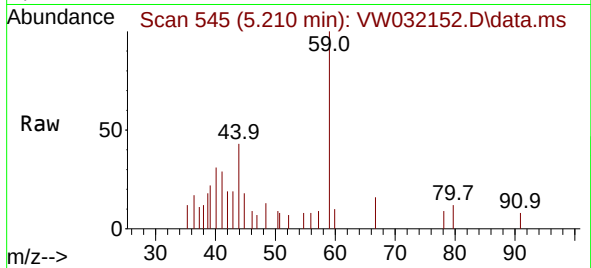
Tgt Ion:142 Resp: 8761
Ion Ratio Lower Upper
142 100
127 46.8 38.2 57.2
141 15.1 12.2 18.2





#11
Tert butyl alcohol
Concen: 17.122 ug/l
RT: 5.210 min Scan# 547
Delta R.T. -0.012 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

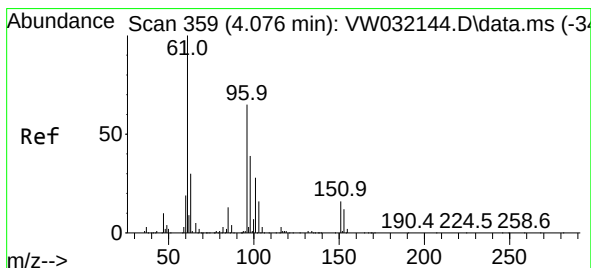
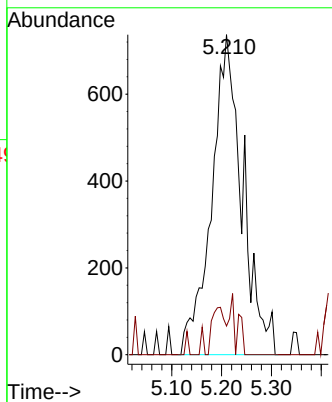
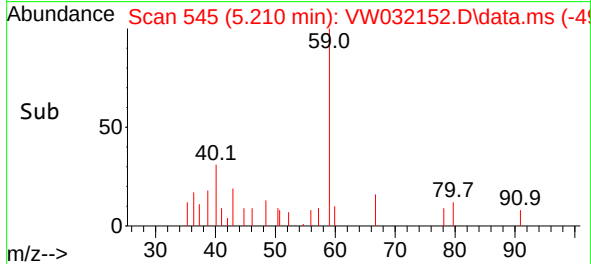
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



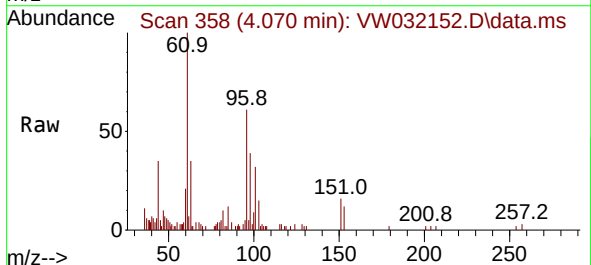
Tgt Ion: 59 Resp: 316
Ion Ratio Lower Upper
59 100
57 6.3 9.8 14.6

Manual Integrations
APPROVED

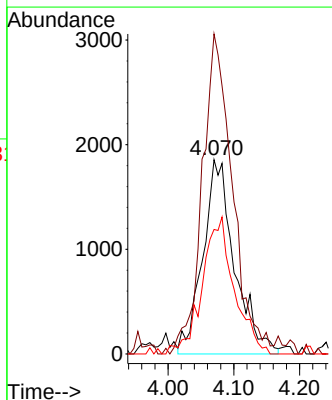
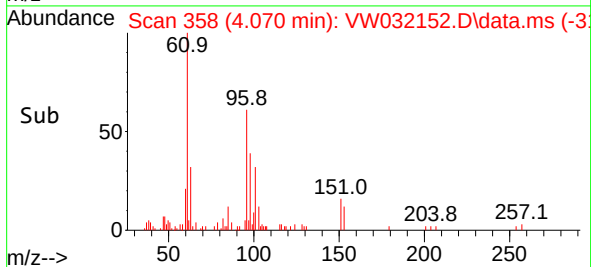
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

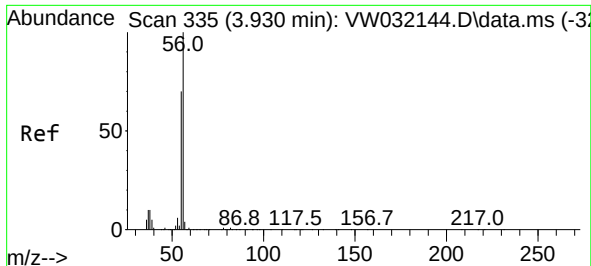


#12
1,1-Dichloroethene
Concen: 2.786 ug/l
RT: 4.070 min Scan# 358
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14



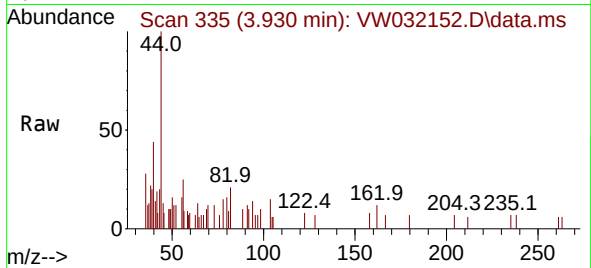
Tgt Ion: 96 Resp: 6223
Ion Ratio Lower Upper
96 100
61 160.0 123.0 184.4
98 65.9 48.5 72.7





#13
Acrolein
Concen: 4.385 ug/l m
RT: 3.930 min Scan# 335
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

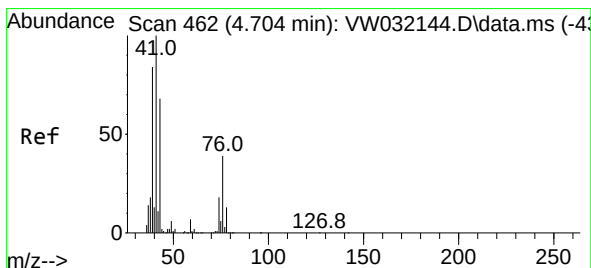
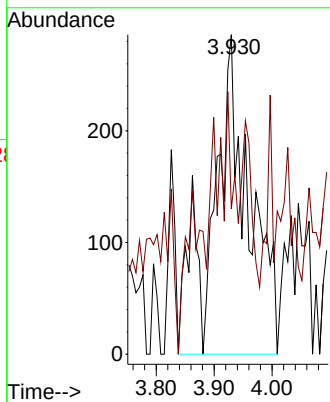
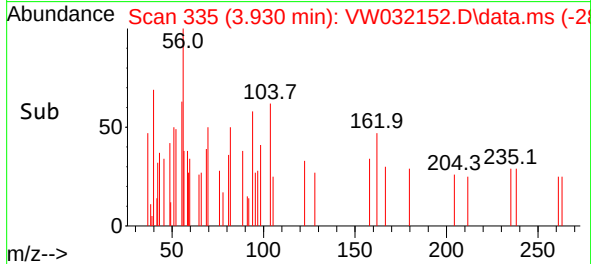
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 56 Resp: 1240
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6

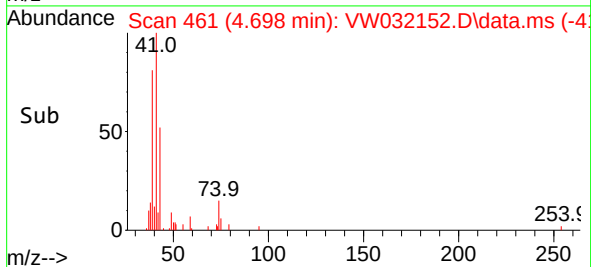
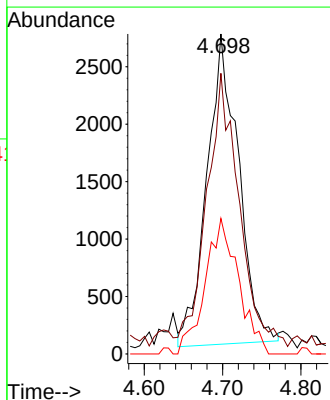
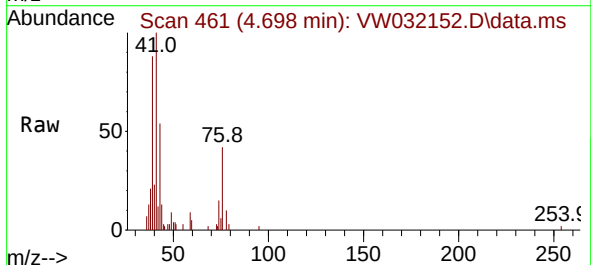
Manual Integrations
APPROVED

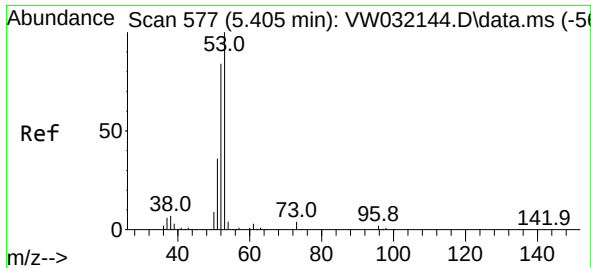
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#14
Allyl chloride
Concen: 2.386 ug/l
RT: 4.698 min Scan# 461
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

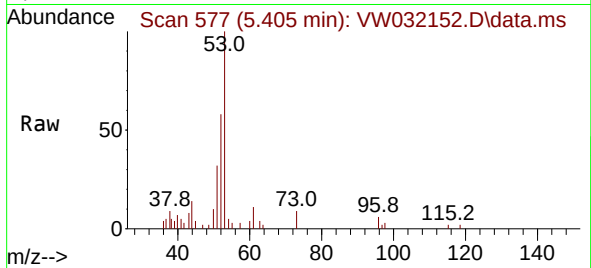
Tgt Ion: 41 Resp: 7568
Ion Ratio Lower Upper
41 100
39 90.9 64.1 96.1
76 45.9 31.4 47.2





#15
Acrylonitrile
Concen: 12.669 ug/l
RT: 5.405 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

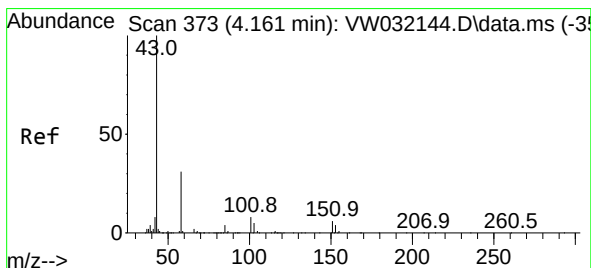
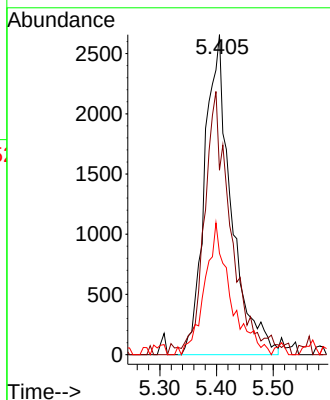
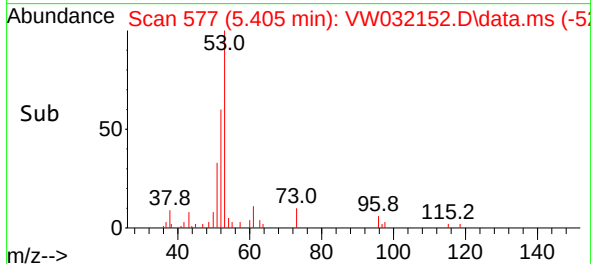
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 53 Resp: 865
Ion Ratio Lower Upper
53 100
52 75.7 67.4 101.2
51 40.1 30.3 45.5

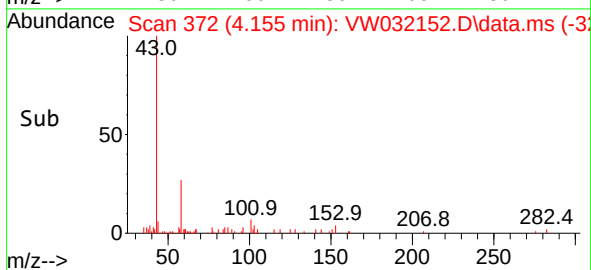
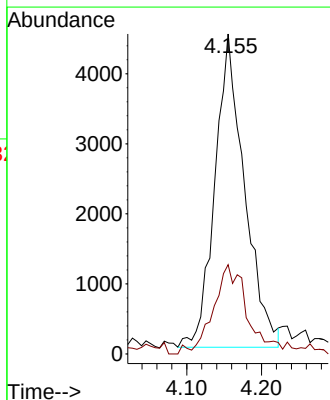
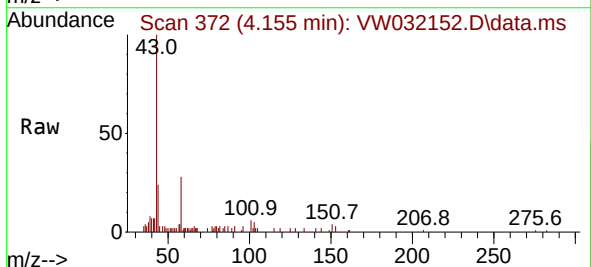
Manual Integrations
APPROVED

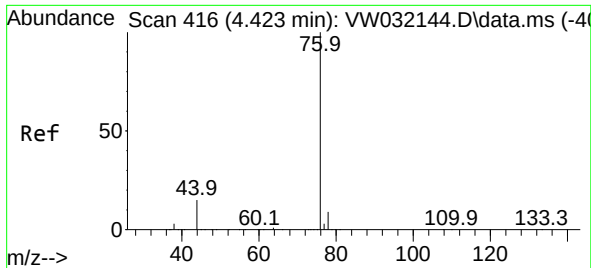
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#16
Acetone
Concen: 18.829 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

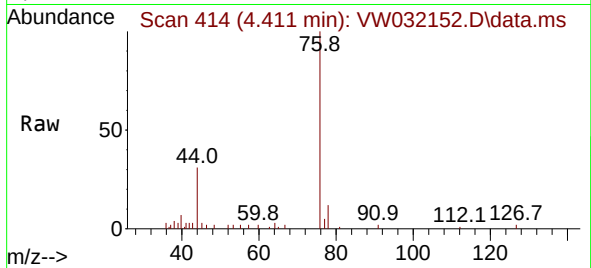
Tgt Ion: 43 Resp: 12323
Ion Ratio Lower Upper
43 100
58 28.5 25.3 37.9





#17
Carbon Disulfide
Concen: 2.349 ug/l
RT: 4.411 min Scan# 414
Delta R.T. -0.012 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

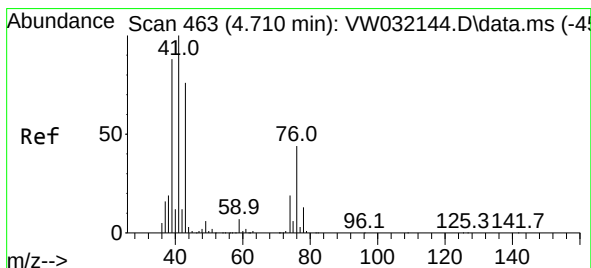
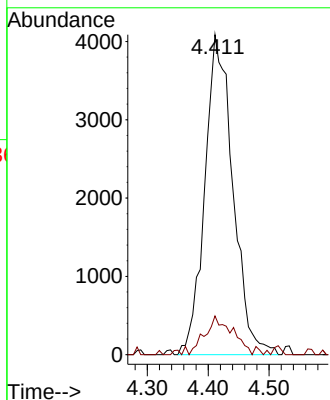
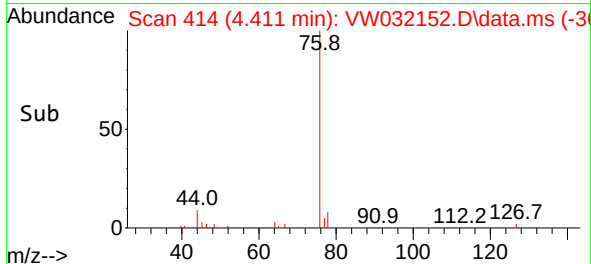
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion: 76 Resp: 1312
Ion Ratio Lower Upper
76 100
78 10.7 7.0 10.6

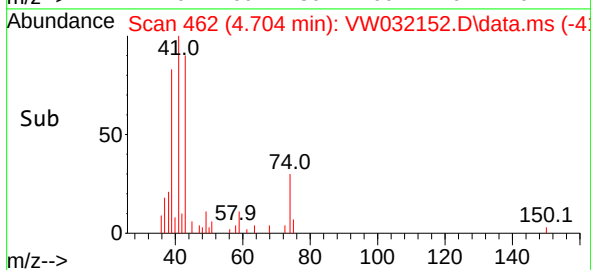
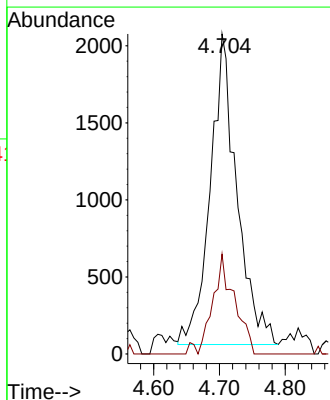
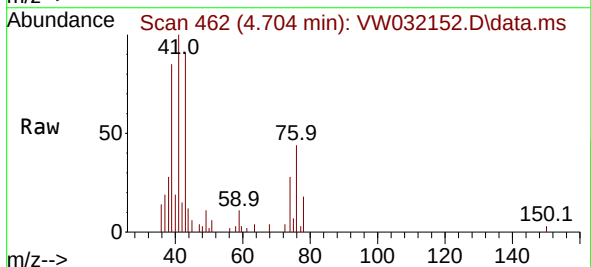
Manual Integrations
APPROVED

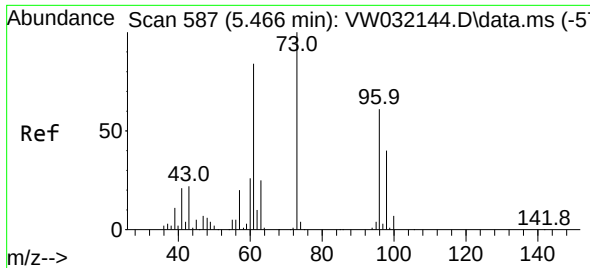
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#18
Methyl Acetate
Concen: 2.715 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

Tgt Ion: 43 Resp: 5661
Ion Ratio Lower Upper
43 100
74 26.7 20.2 30.4





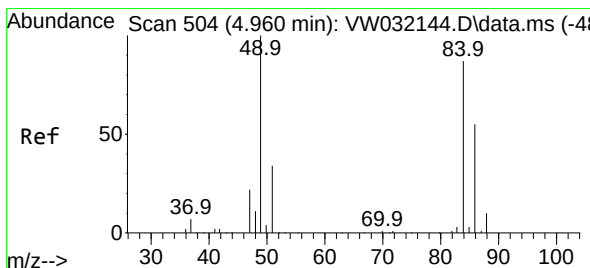
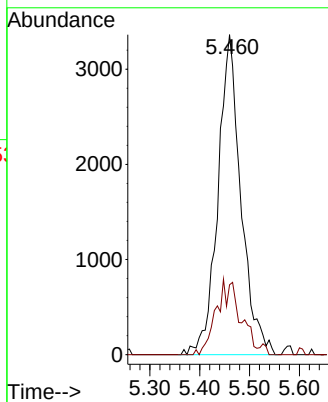
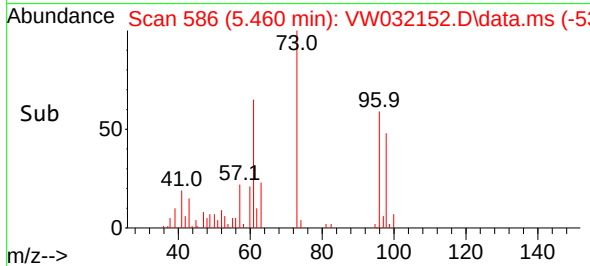
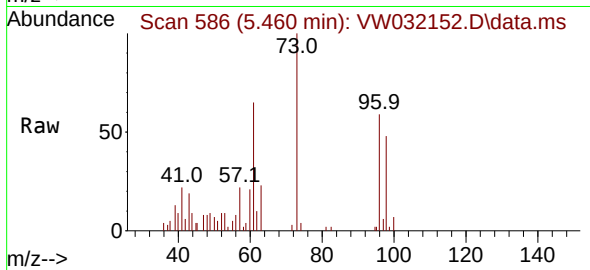
#19
Methyl tert-butyl Ether
Concen: 2.557 ug/l
RT: 5.460 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 73 Resp: 1078
Ion Ratio Lower Upper
73 100
57 21.9 16.2 24.4

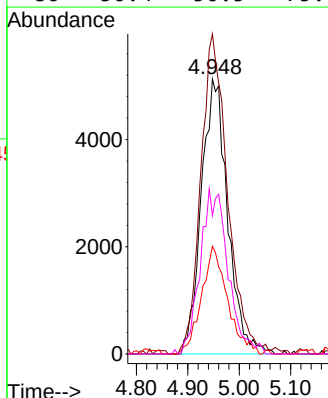
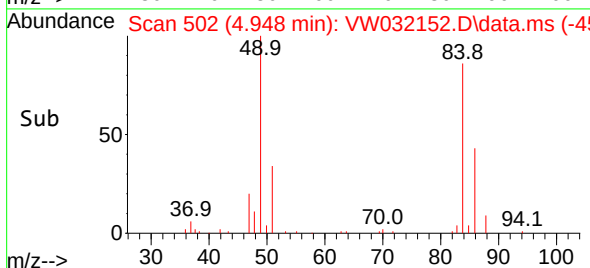
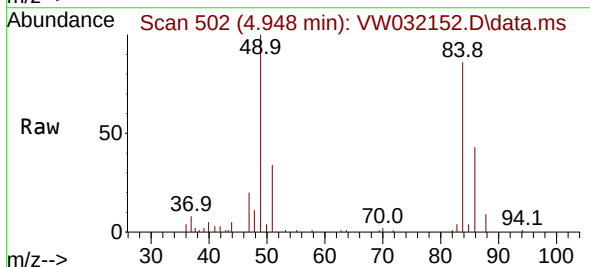
Manual Integrations
APPROVED

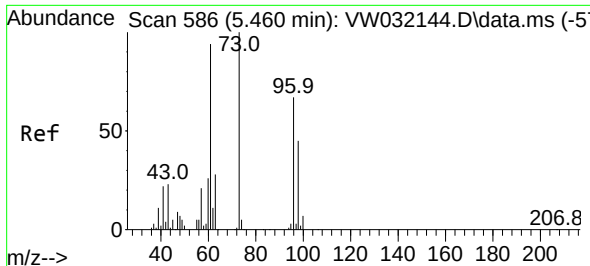
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#20
Methylene Chloride
Concen: 5.967 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

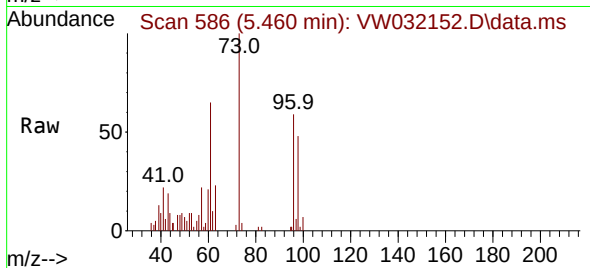
Tgt Ion: 84 Resp: 18280
Ion Ratio Lower Upper
84 100
49 116.4 92.2 138.4
51 39.2 31.0 46.6
86 50.4 50.5 75.7#





#21
trans-1,2-Dichloroethene
Concen: 2.397 ug/l
RT: 5.460 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

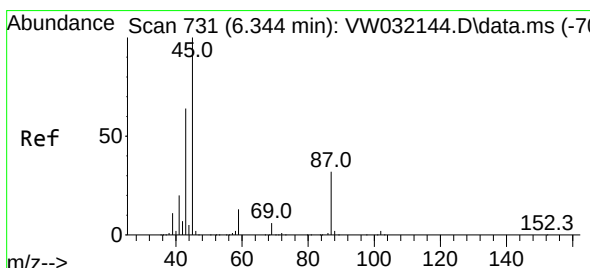
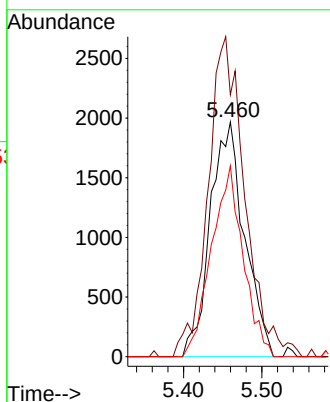
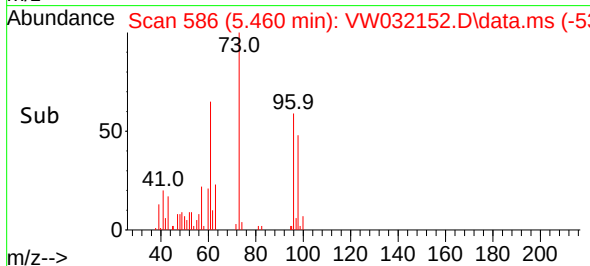
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 96 Resp: 5980
Ion Ratio Lower Upper
96 100
61 105.4 112.5 168.7
98 81.3 54.2 81.4

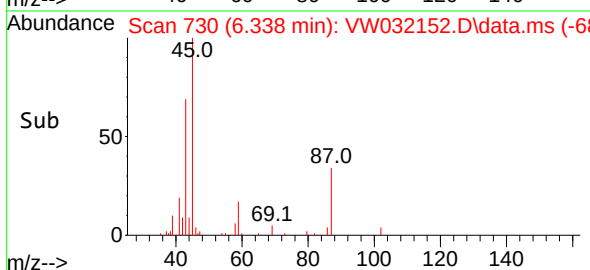
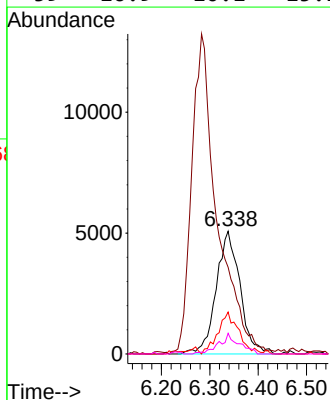
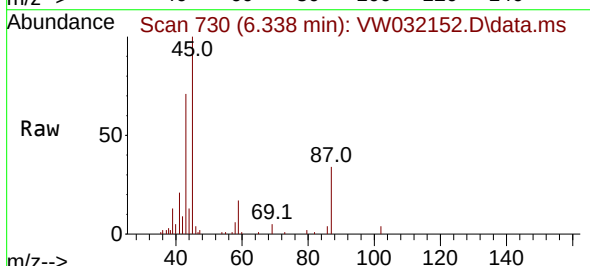
Manual Integrations
APPROVED

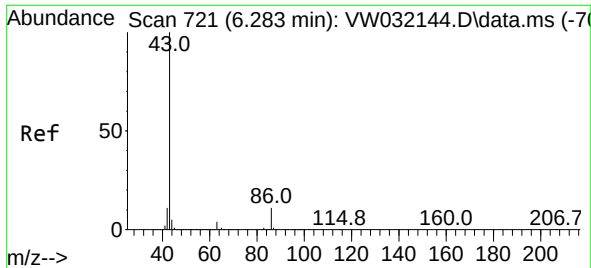
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#22
Diisopropyl ether
Concen: 2.521 ug/l
RT: 6.338 min Scan# 730
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

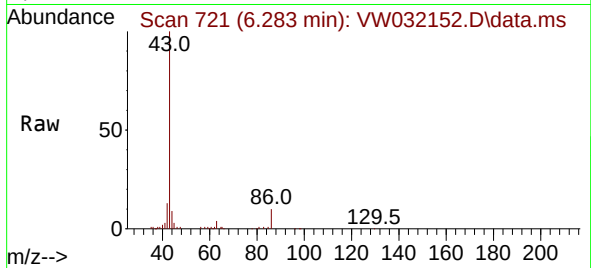
Tgt Ion: 45 Resp: 17403
Ion Ratio Lower Upper
45 100
43 67.0 51.4 77.2
87 34.2 25.9 38.9
59 16.9 10.1 15.1#





#23
 Vinyl Acetate
 Concen: 10.311 ug/l
 RT: 6.283 min Scan# 713
 Delta R.T. 0.000 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:14

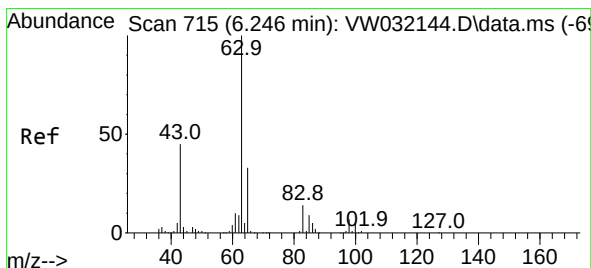
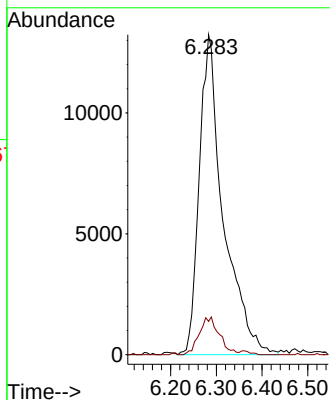
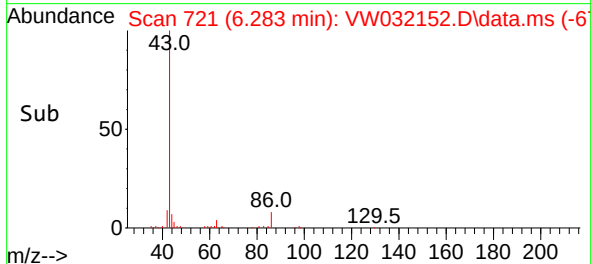
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



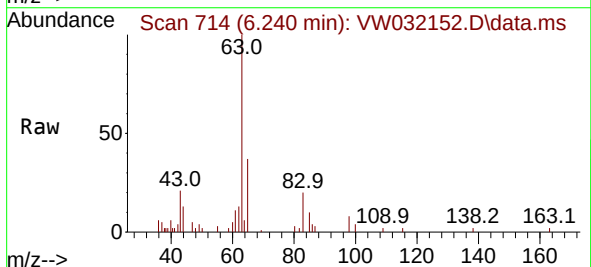
Tgt Ion: 43 Resp: 4840
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.8 13.2

Manual Integrations
 APPROVED

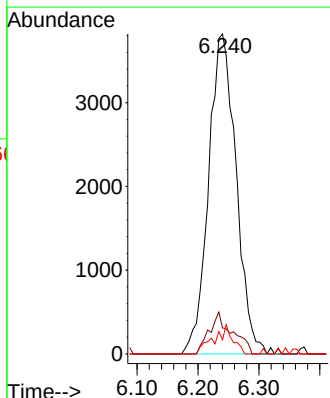
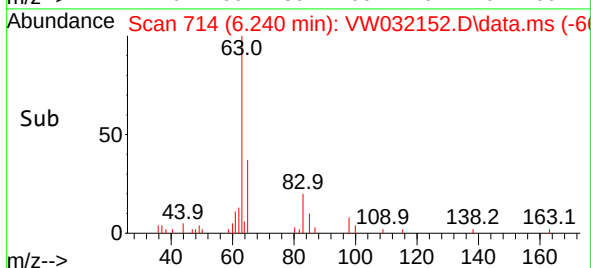
Reviewed By :Semsettin Yesilyurt 08/29/2025
 Supervised By :Mahesh Dadoda 08/29/2025

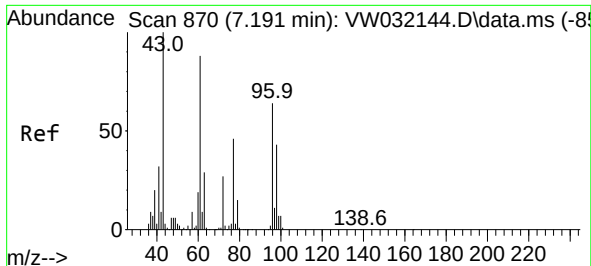


#24
 1,1-Dichloroethane
 Concen: 2.659 ug/l
 RT: 6.240 min Scan# 714
 Delta R.T. -0.006 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:14



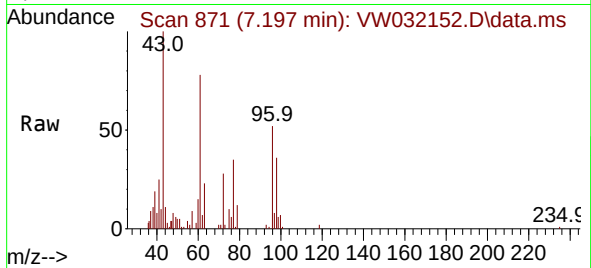
Tgt Ion: 63 Resp: 12018
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.8 11.2
 100 4.4 2.5 7.5





#25
2-Butanone
Concen: 12.950 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

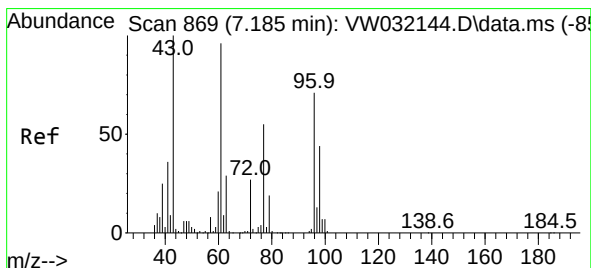
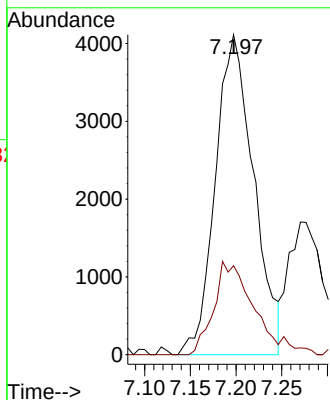
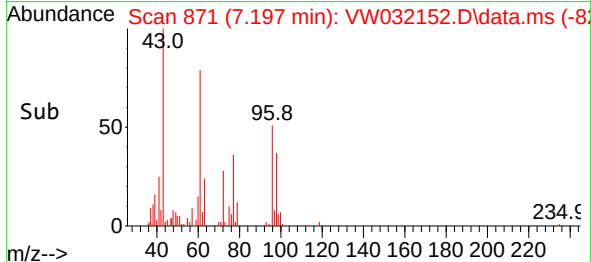
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 43 Resp: 12010
Ion Ratio Lower Upper
43 100
72 27.8 21.4 32.2

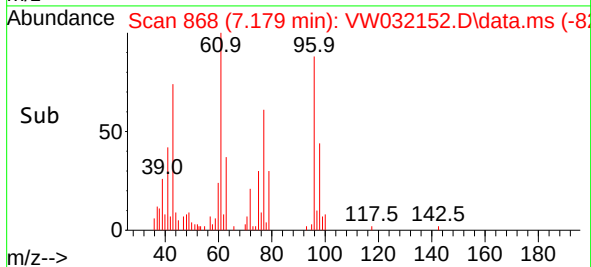
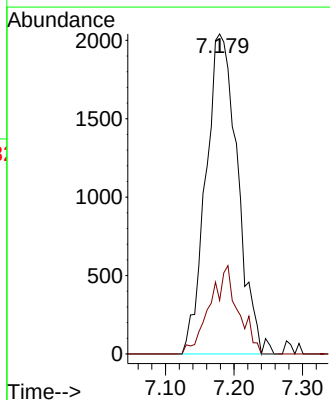
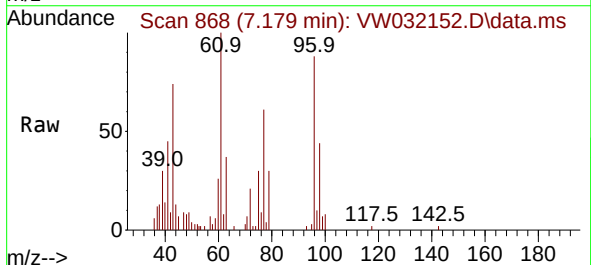
Manual Integrations
APPROVED

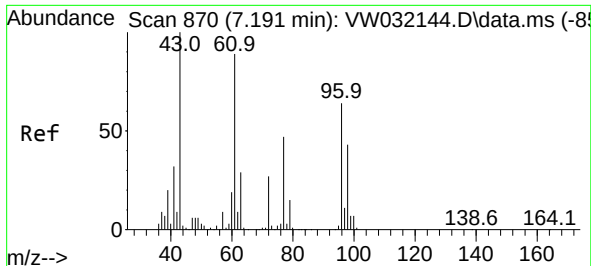
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#26
2,2-Dichloropropane
Concen: 2.746 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

Tgt Ion: 77 Resp: 6574
Ion Ratio Lower Upper
77 100
97 24.6 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 2.495 ug/l

RT: 7.179 min Scan# 80

Delta R.T. -0.012 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

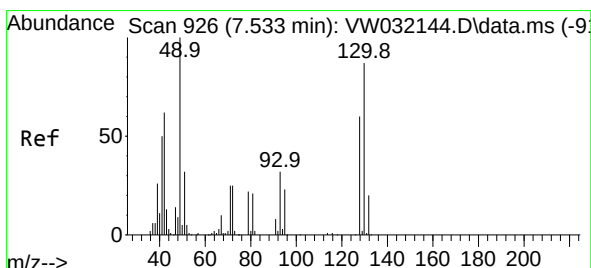
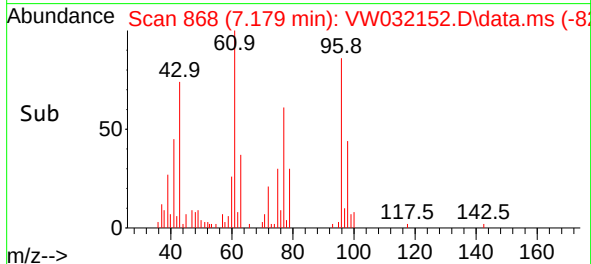
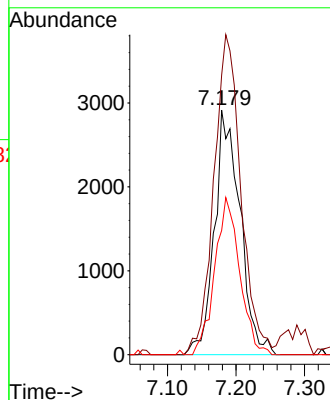
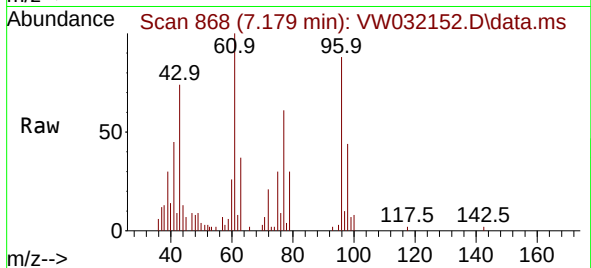
MDL-SOIL-03-QT3-2025

Tgt Ion: 96	Resp: 7574
Ion Ratio	Lower Upper
96 100	
61 138.1	0.0 268.0
98 62.7	0.0 130.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#28

Bromochloromethane

Concen: 2.730 ug/l

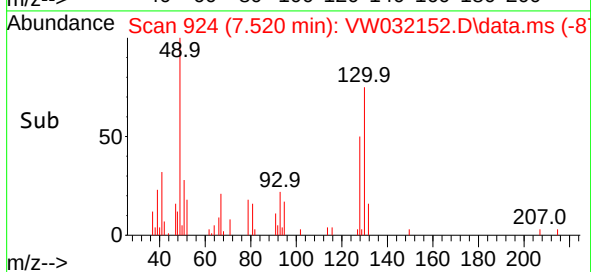
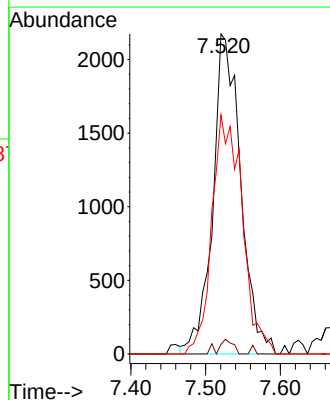
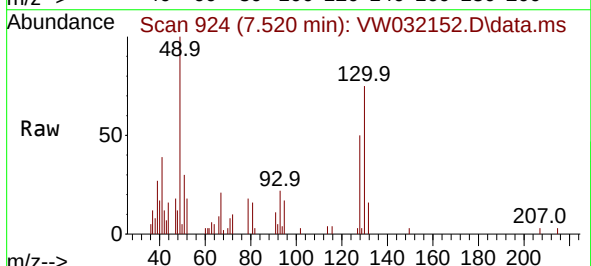
RT: 7.520 min Scan# 924

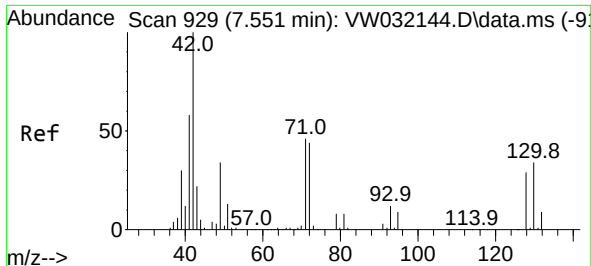
Delta R.T. -0.012 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

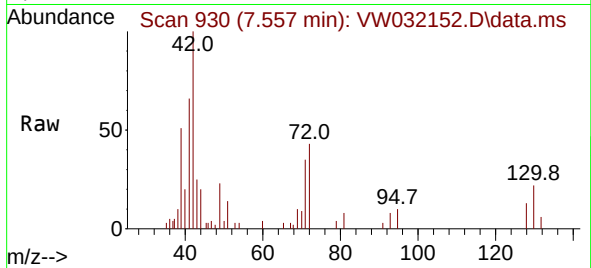
Tgt Ion: 49	Resp: 5648		
Ion Ratio	Lower	Upper	
49 100			
129 2.4	0.0	4.2	
130 80.8	67.5	101.3	





#29
Tetrahydrofuran
Concen: 12.113 ug/l
RT: 7.557 min Scan# 913
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

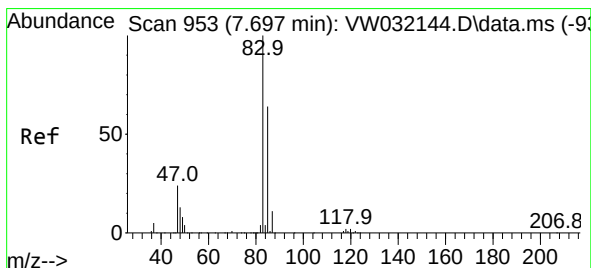
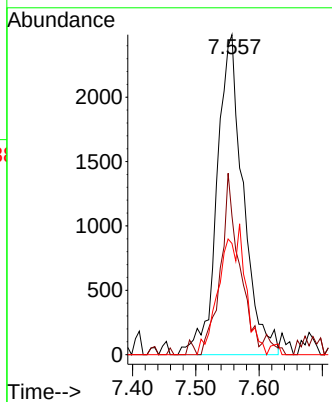
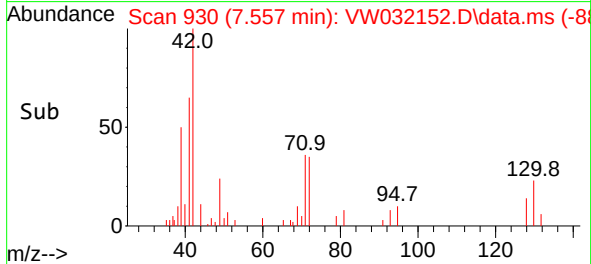
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 42 Resp: 7139
Ion Ratio Lower Upper
42 100
72 41.0 37.4 56.2
71 39.5 36.0 54.0

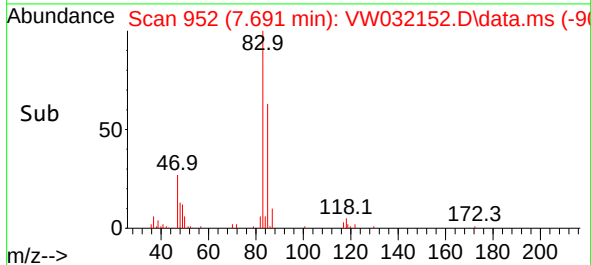
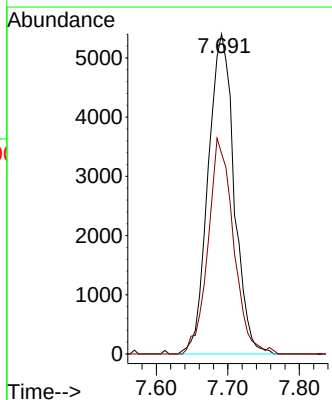
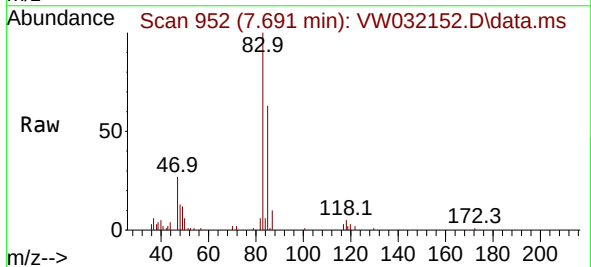
Manual Integrations
APPROVED

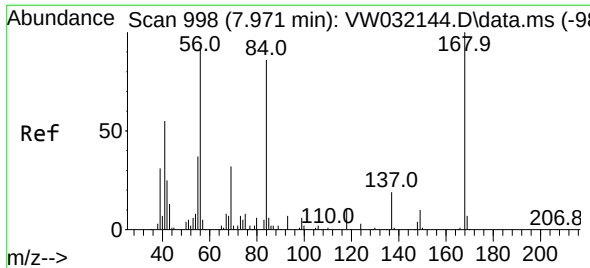
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#30
Chloroform
Concen: 2.648 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

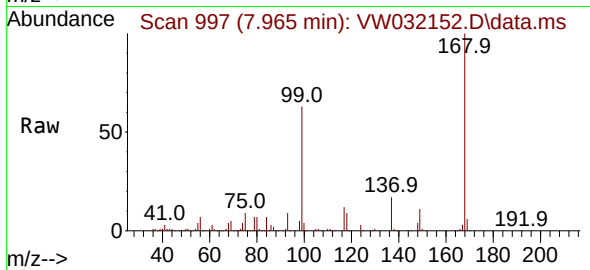
Tgt Ion: 83 Resp: 13667
Ion Ratio Lower Upper
83 100
85 62.7 51.2 76.8





#31
Cyclohexane
Concen: 3.826 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

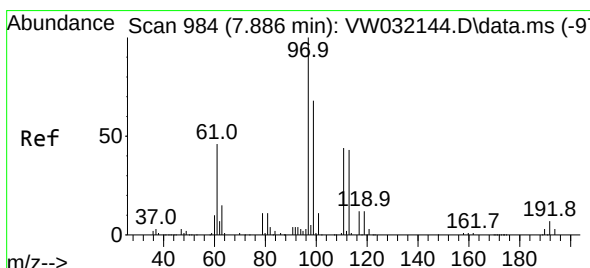
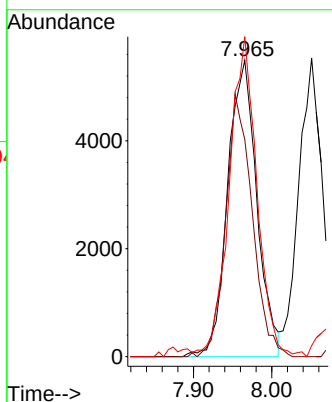
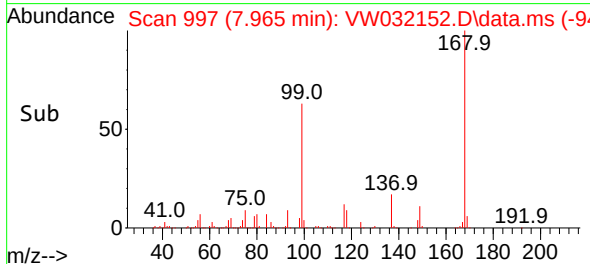
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 56 Resp: 14190
Ion Ratio Lower Upper
56 100
69 71.7 27.7 41.5
84 106.3 74.6 112.0

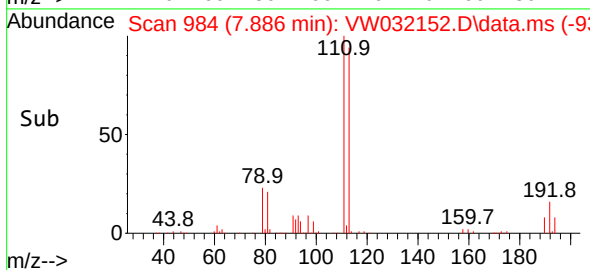
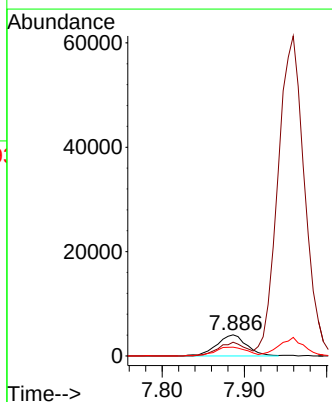
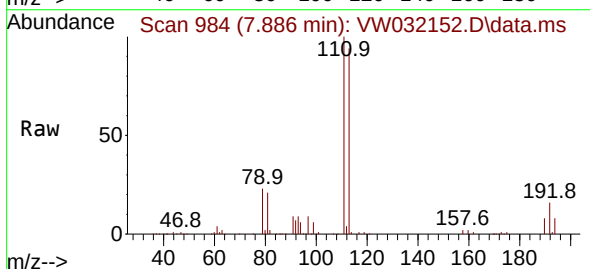
Manual Integrations
APPROVED

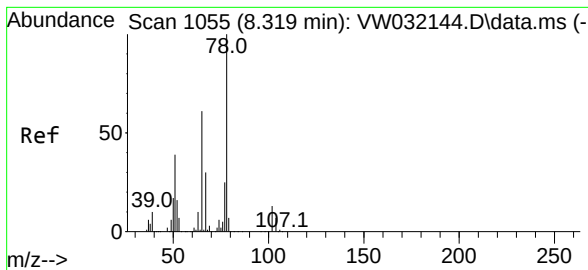
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#32
1,1,1-Trichloroethane
Concen: 2.711 ug/l
RT: 7.886 min Scan# 984
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

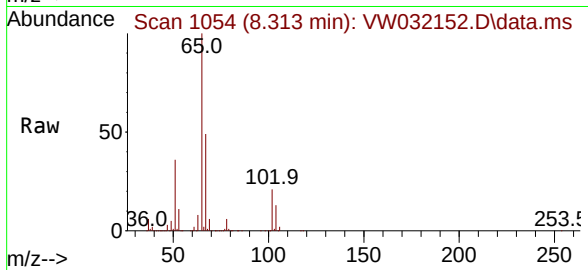
Tgt Ion: 97 Resp: 10214
Ion Ratio Lower Upper
97 100
99 59.2 50.9 76.3
61 44.4 36.2 54.4





#33
1,2-Dichloroethane-d4
Concen: 51.778 ug/l
RT: 8.313 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

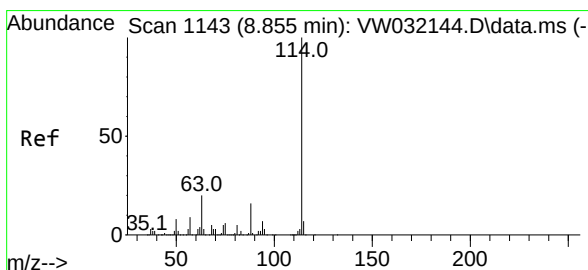
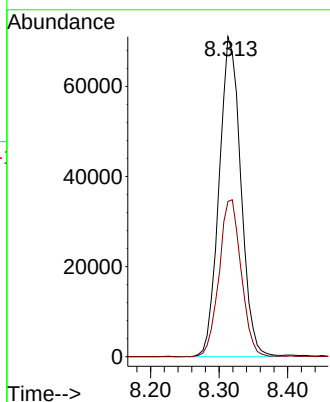
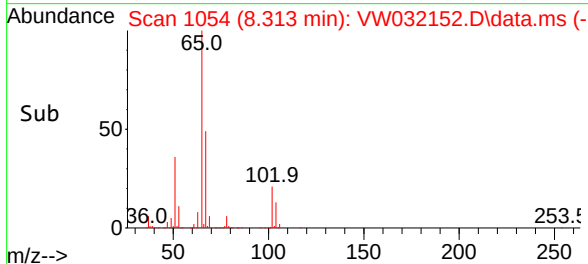
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 65 Resp: 156470
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.6

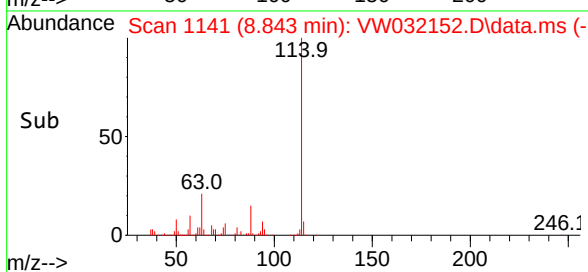
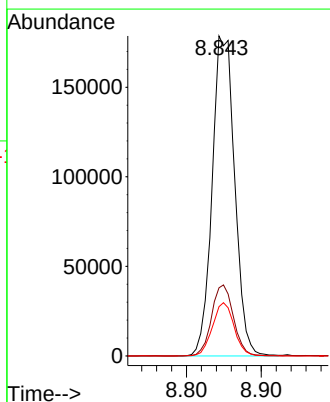
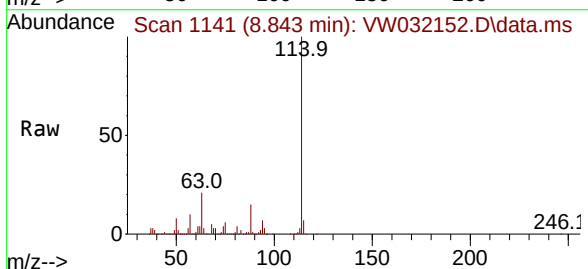
Manual Integrations
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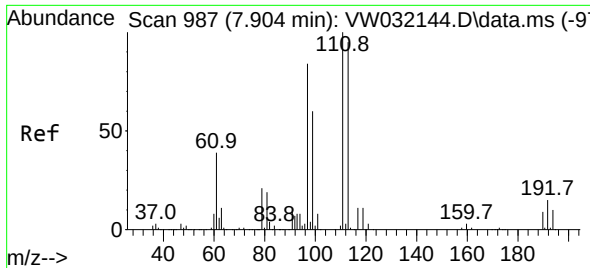
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.843 min Scan# 1141
Delta R.T. -0.012 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

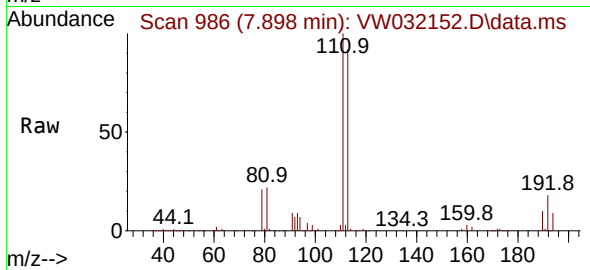
Tgt Ion:114 Resp: 374779
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.4
88 15.4 0.0 32.0





#35
Dibromofluoromethane
Concen: 49.320 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

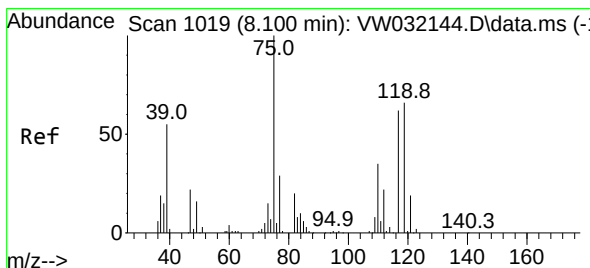
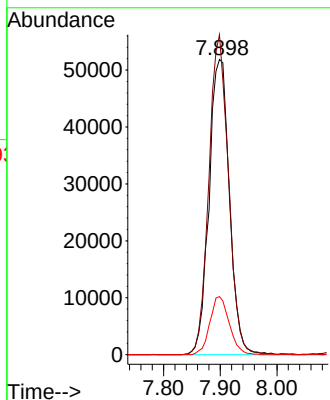
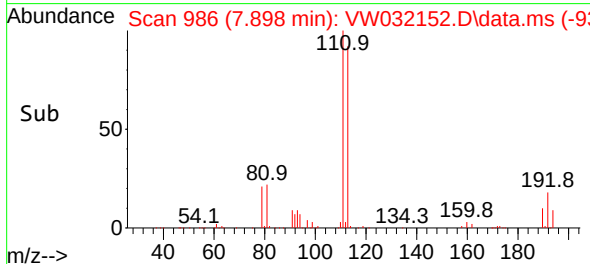
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 113 Resp: 129684
Ion Ratio Lower Upper
113 100
111 104.4 83.9 125.9
192 18.7 14.6 21.8

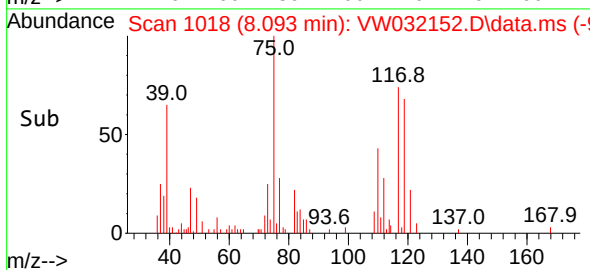
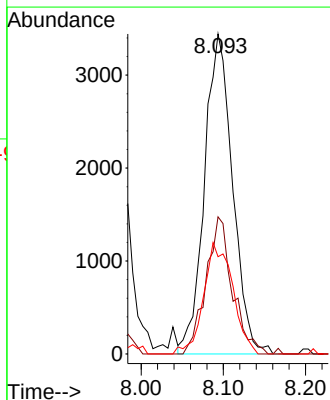
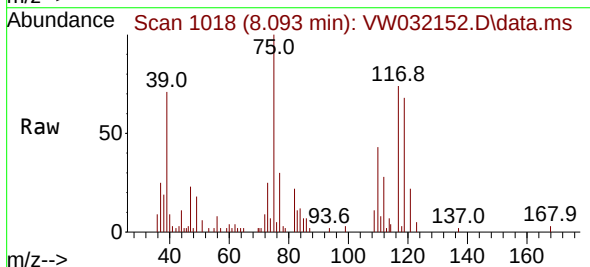
Manual Integrations
APPROVED

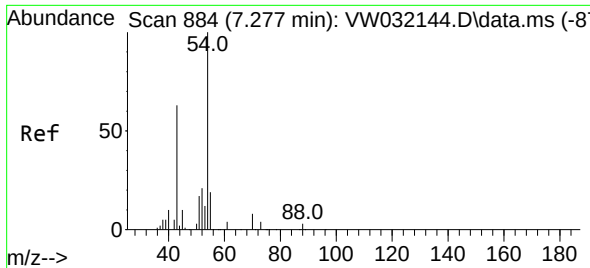
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#36
1,1-Dichloropropene
Concen: 2.406 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

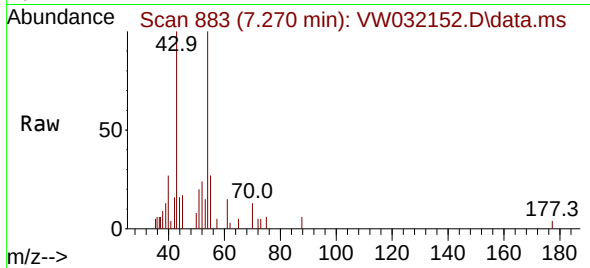
Tgt Ion: 75 Resp: 8202
Ion Ratio Lower Upper
75 100
110 40.2 17.5 52.5
77 35.9 24.1 36.1





#37
Ethyl Acetate
Concen: 2.576 ug/l m
RT: 7.270 min Scan# 884
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

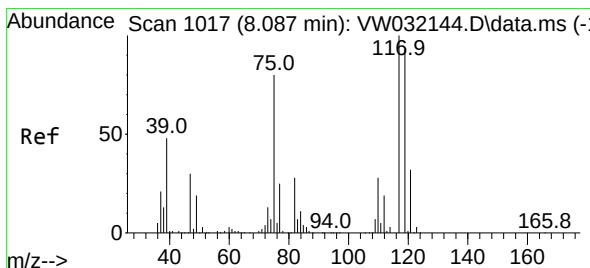
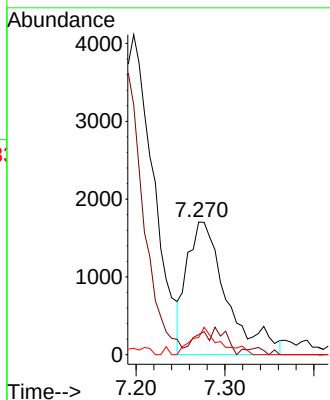
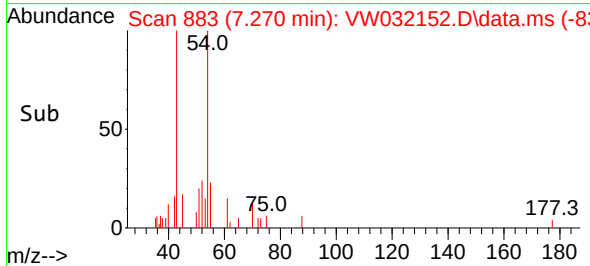
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 43 Resp: 5268
Ion Ratio Lower Upper
43 100
61 7.4 11.3 16.9
70 14.3 8.9 13.3

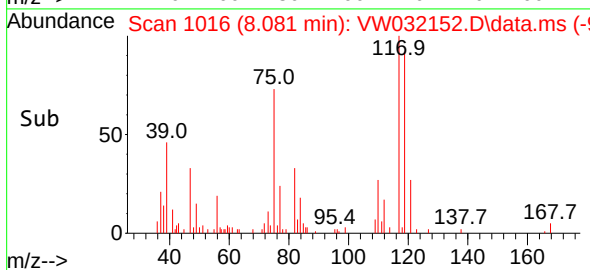
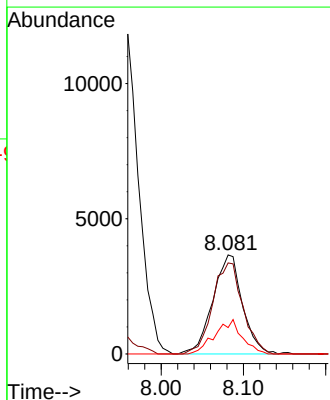
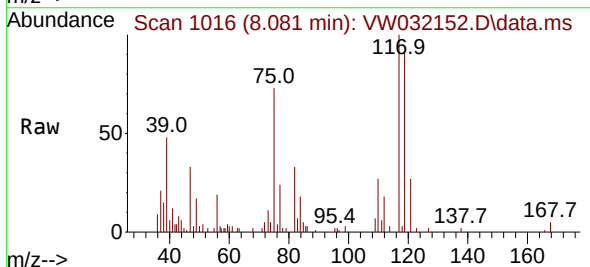
Manual Integrations
APPROVED

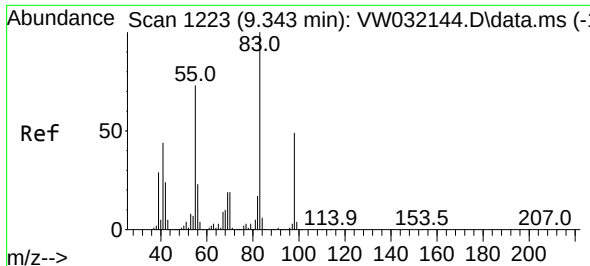
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#38
Carbon Tetrachloride
Concen: 2.503 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

Tgt Ion:117 Resp: 9148
Ion Ratio Lower Upper
117 100
119 91.9 74.2 111.2
121 26.7 25.6 38.4





#39

Methylcyclohexane

Concen: 2.516 ug/l

RT: 9.337 min Scan# 1015

Delta R.T. -0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

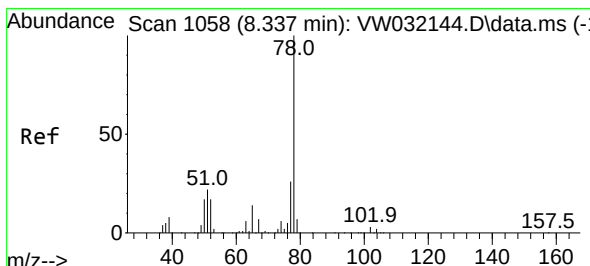
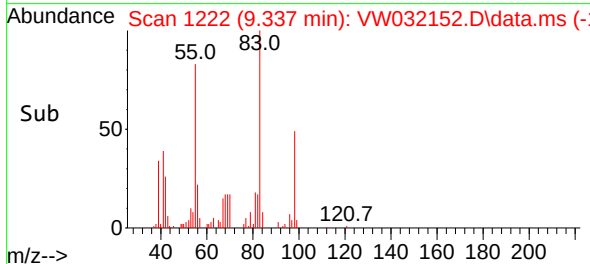
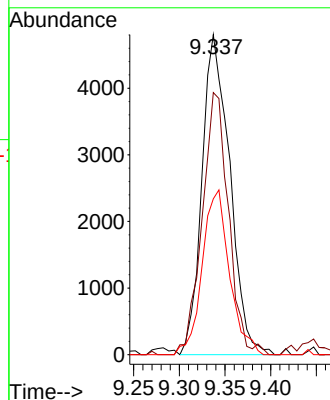
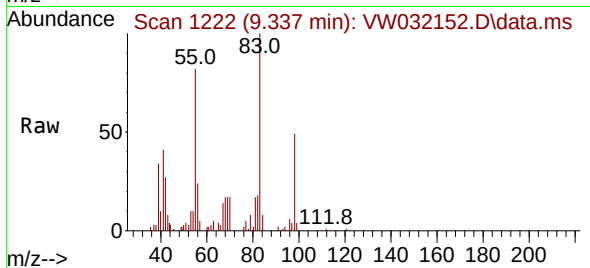
MDL-SOIL-03-QT3-2025

Tgt Ion: 83	Resp: 1015
Ion Ratio	Lower Upper
83	100
55	81.9 58.4 87.6
98	48.7 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#40

Benzene

Concen: 2.468 ug/l

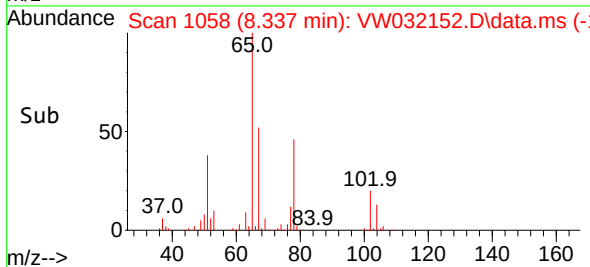
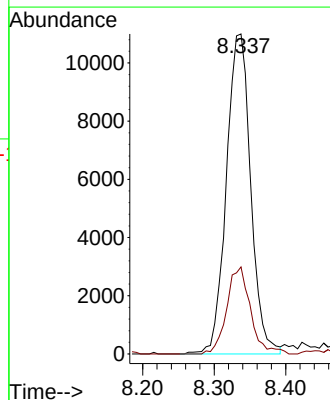
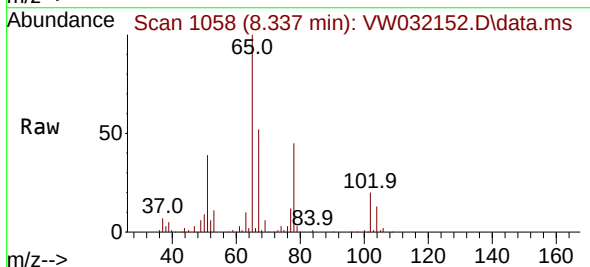
RT: 8.337 min Scan# 1058

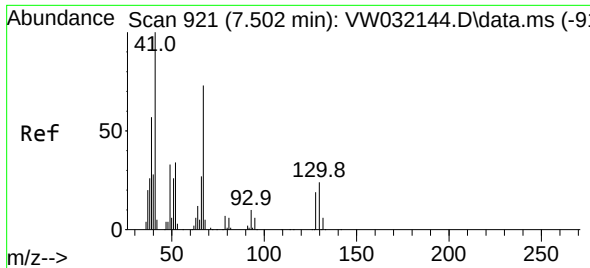
Delta R.T. 0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

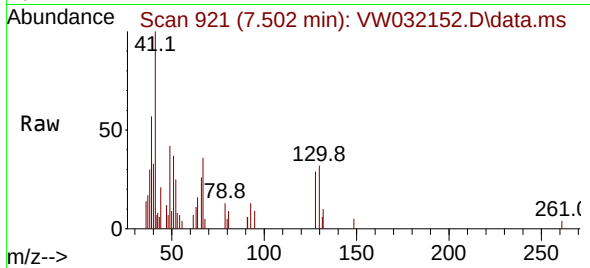
Tgt Ion: 78	Resp: 26009
Ion Ratio	Lower Upper
78	100
77	27.2 20.7 31.1





#41
Methacrylonitrile
Concen: 2.695 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

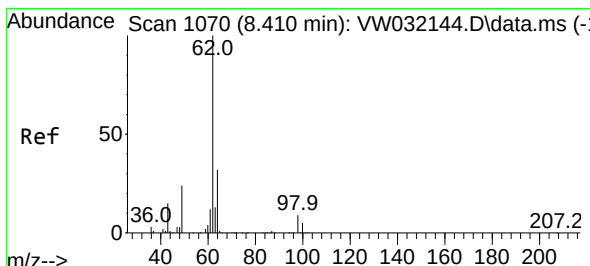
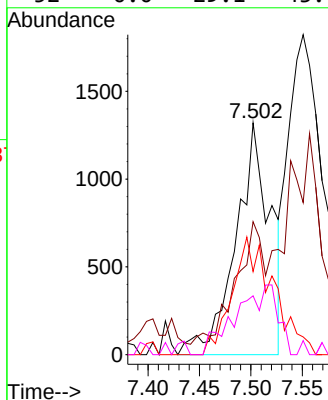
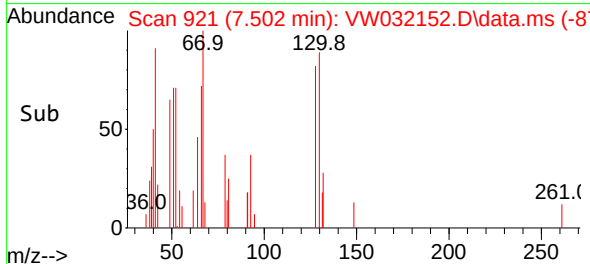
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 41 Resp: 306
Ion Ratio Lower Upper
41 100
39 42.6 50.9 76.3
67 61.3 65.6 98.4
52 0.0 29.1 43.7

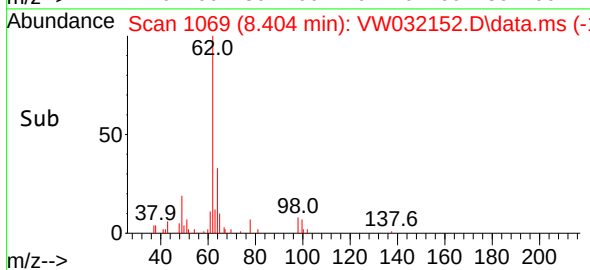
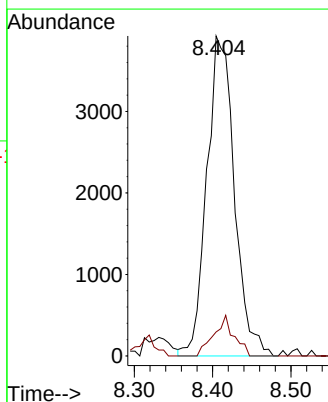
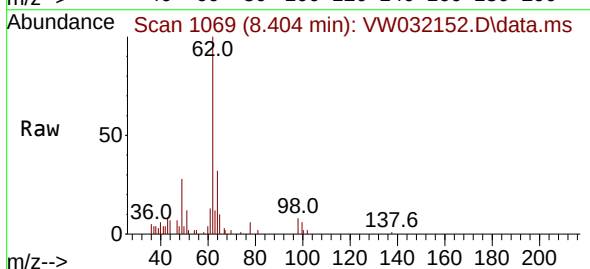
Manual Integrations
APPROVED

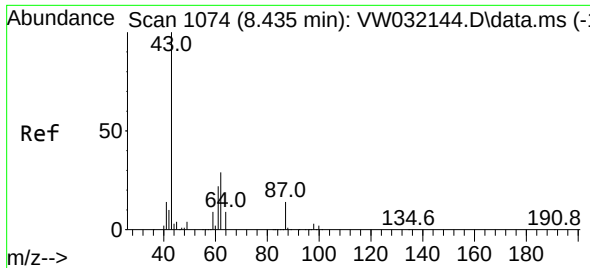
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#42
1,2-Dichloroethane
Concen: 2.631 ug/l
RT: 8.404 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

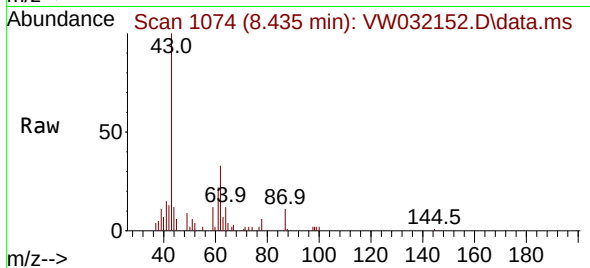
Tgt Ion: 62 Resp: 9611
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.0





#43
Isopropyl Acetate
Concen: 2.298 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

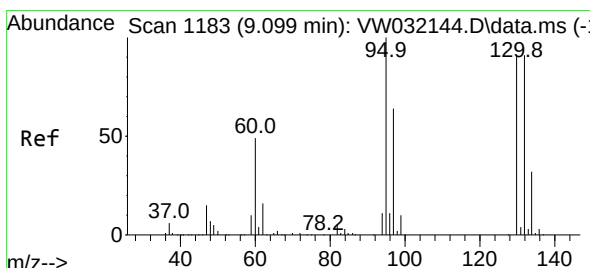
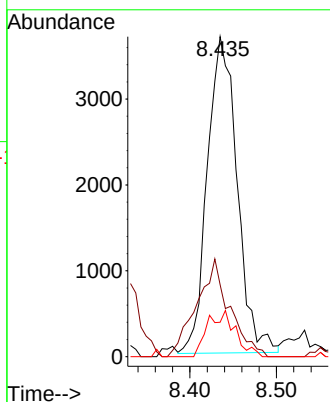
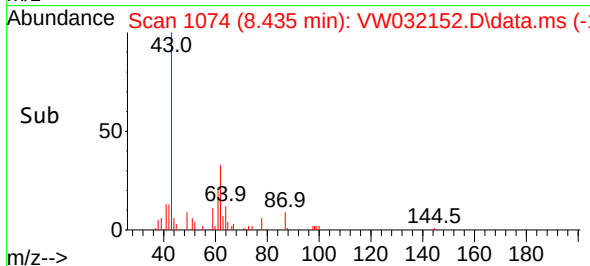
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion: 43 Resp: 8810
Ion Ratio Lower Upper
43 100
61 34.1 23.3 34.9
87 7.0 11.1 16.7

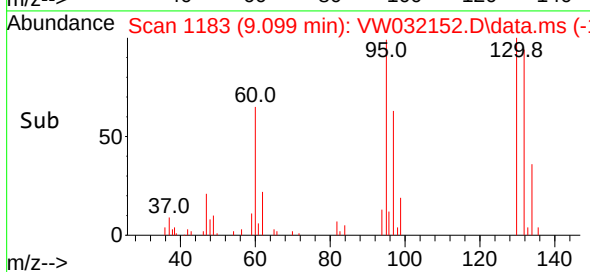
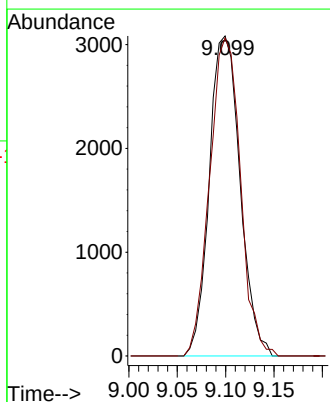
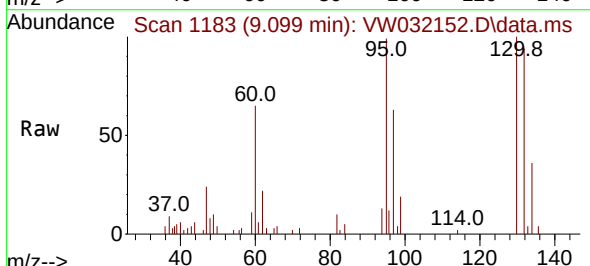
Manual Integrations
APPROVED

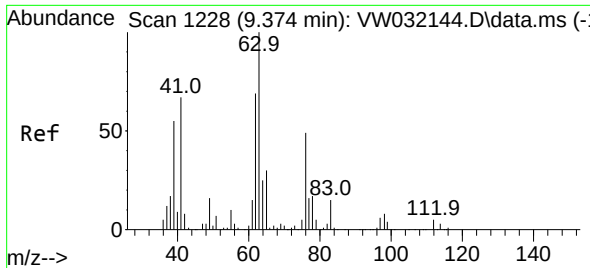
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#44
Trichloroethene
Concen: 2.567 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

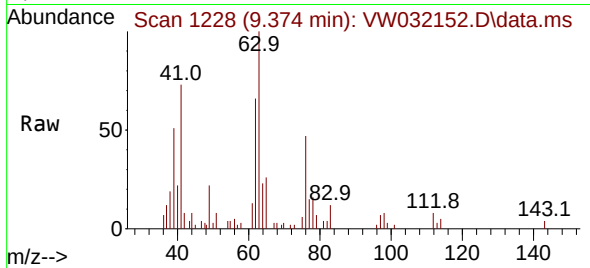
Tgt Ion:130 Resp: 6803
Ion Ratio Lower Upper
130 100
95 99.4 0.0 220.0





#45
1,2-Dichloropropane
Concen: 2.509 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

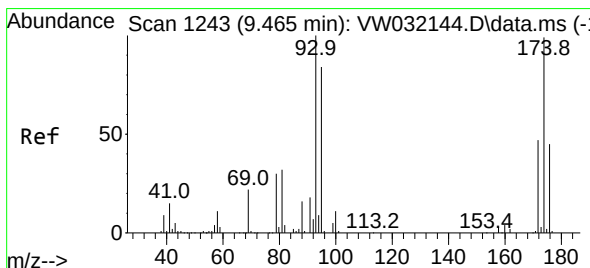
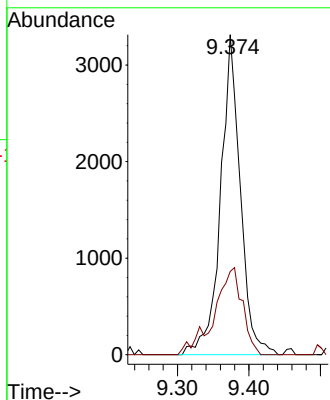
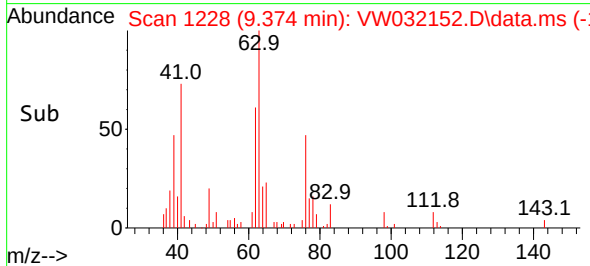
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion: 63 Resp: 637
Ion Ratio Lower Upper
63 100
65 26.0 24.3 36.5

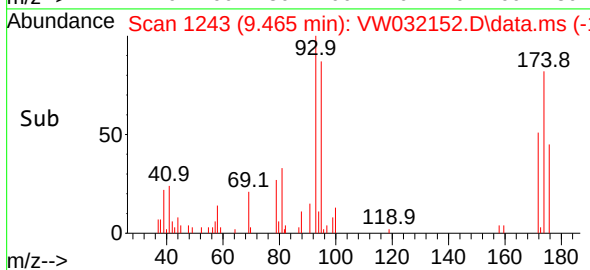
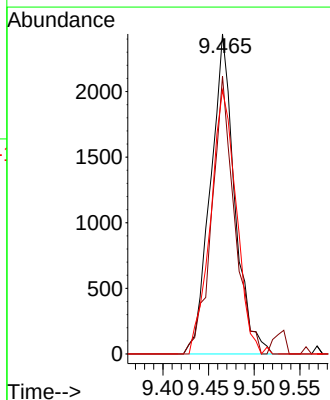
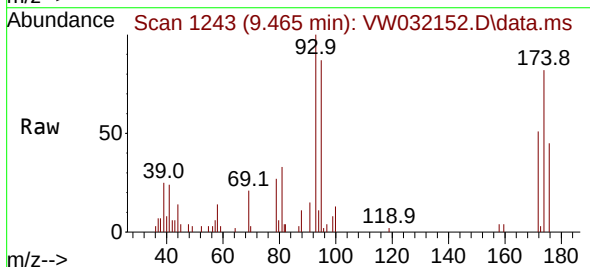
Manual Integrations
APPROVED

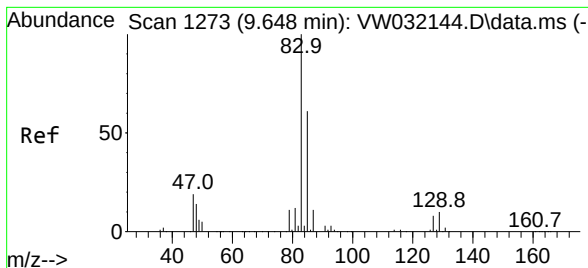
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#46
Dibromomethane
Concen: 2.520 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

Tgt Ion: 93 Resp: 4490
Ion Ratio Lower Upper
93 100
95 80.8 67.4 101.2
174 87.6 75.7 113.5





#47

Bromodichloromethane

Concen: 2.263 ug/l

RT: 9.648 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

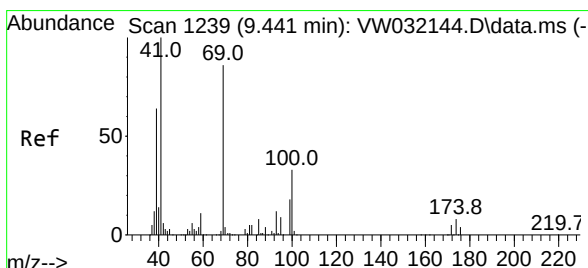
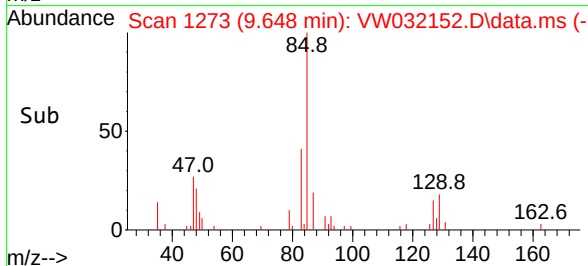
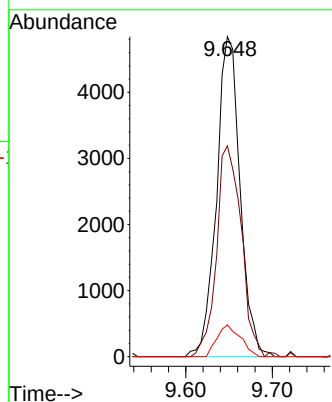
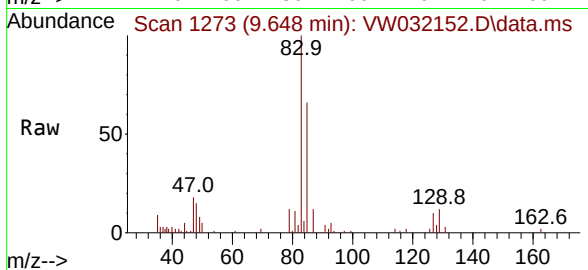
MDL-SOIL-03-QT3-2025

Tgt Ion:	83	Resp:	916
Ion	Ratio	Lower	Upper
83	100		
85	65.9	48.7	73.1
127	10.0	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#48

Methyl methacrylate

Concen: 2.043 ug/l

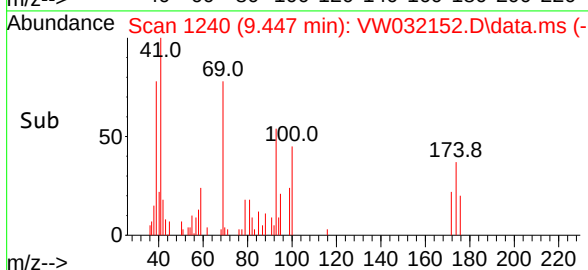
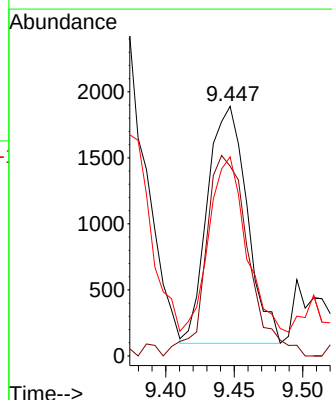
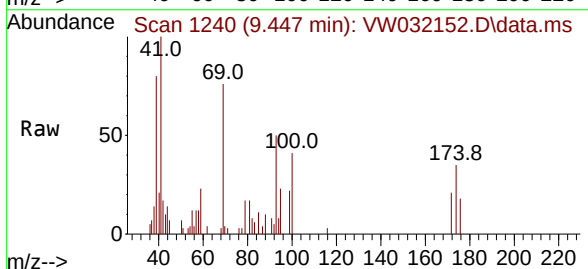
RT: 9.447 min Scan# 1240

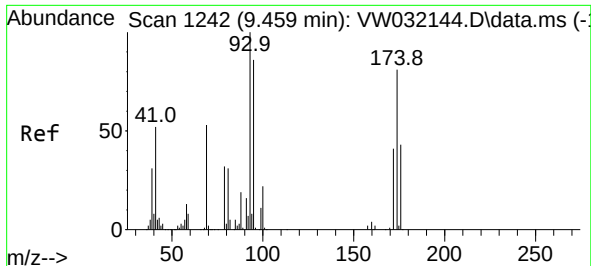
Delta R.T. 0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

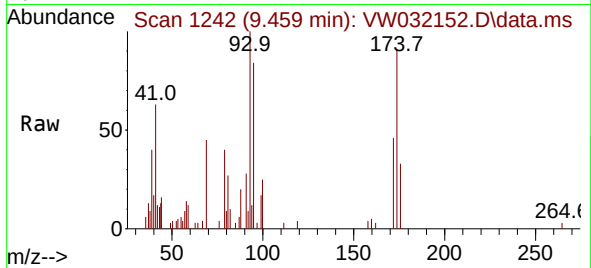
Tgt Ion:	41	Resp:	3612
Ion	Ratio	Lower	Upper
41	100		
69	90.6	71.5	107.3
39	69.8	55.9	83.9





#49
1,4-Dioxane
Concen: 41.340 ug/l
RT: 9.459 min Scan# 1242
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

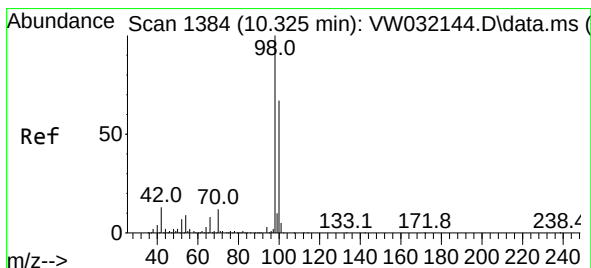
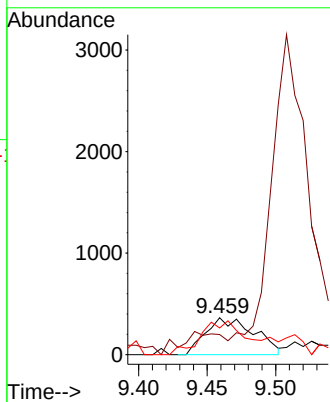
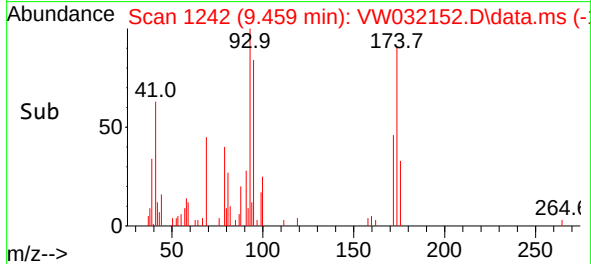
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 88 Resp: 890
Ion Ratio Lower Upper
88 100
43 0.0 18.0 27.0
58 84.4 55.4 83.0

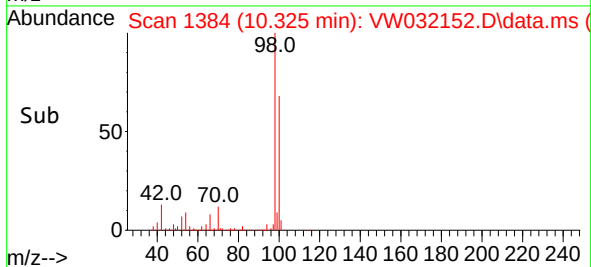
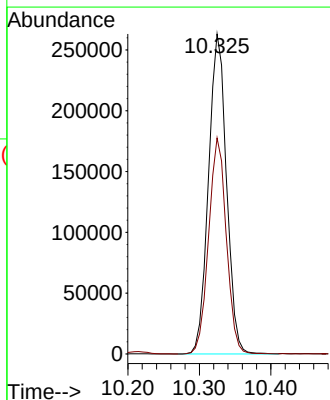
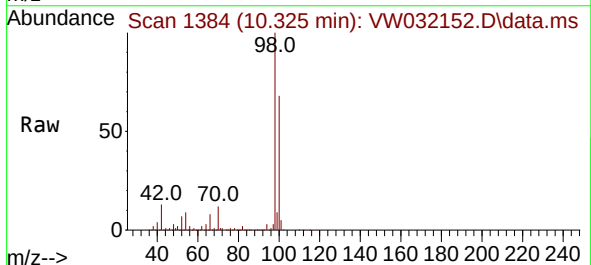
Manual Integrations
APPROVED

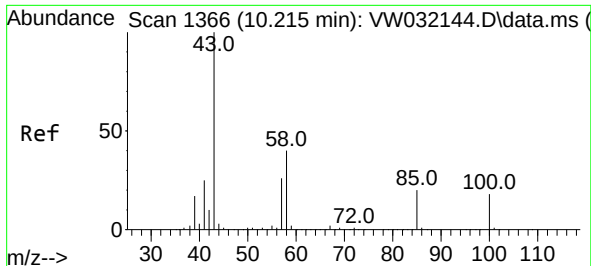
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#50
Toluene-d8
Concen: 49.859 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

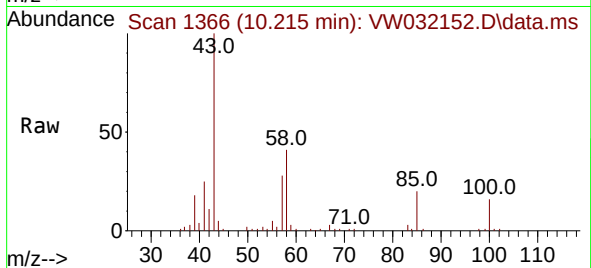
Tgt Ion: 98 Resp: 460231
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.2





#51
4-Methyl-2-Pentanone
Concen: 10.679 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

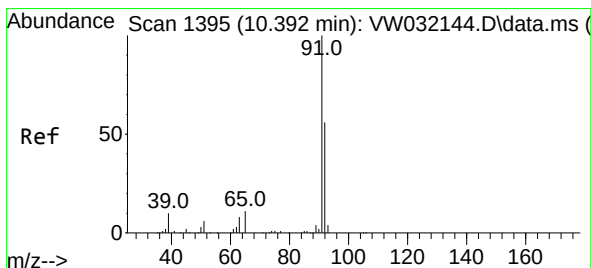
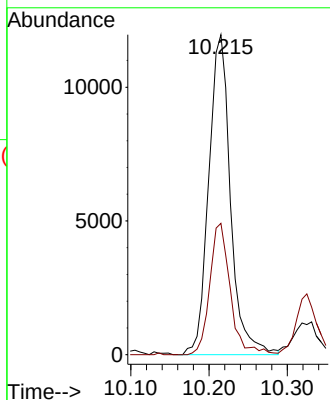
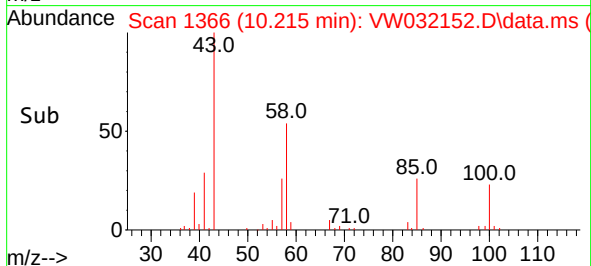
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 43 Resp: 23130
Ion Ratio Lower Upper
43 100
58 38.7 32.0 48.0

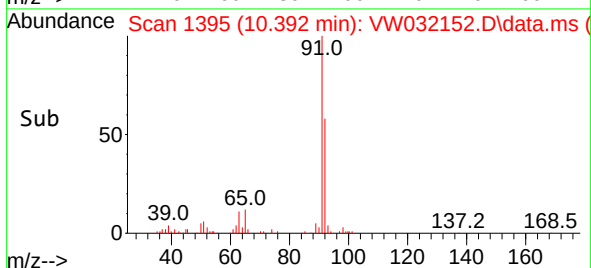
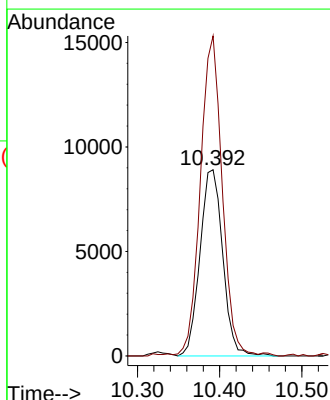
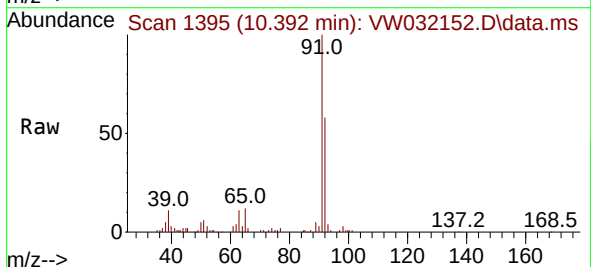
Manual Integrations
APPROVED

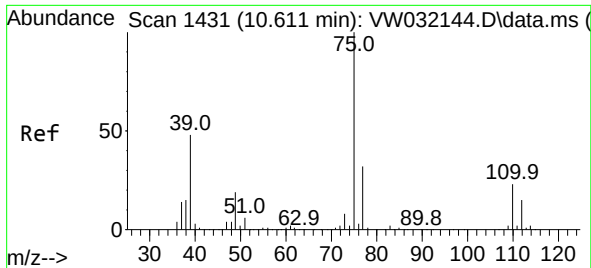
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#52
Toluene
Concen: 2.488 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

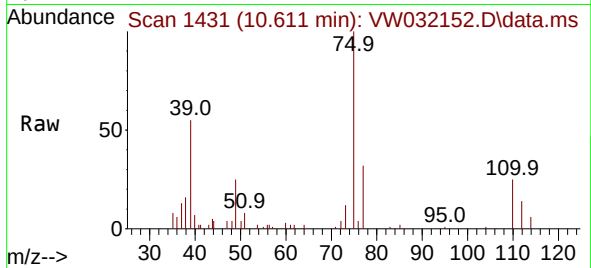
Tgt Ion: 92 Resp: 17133
Ion Ratio Lower Upper
92 100
91 162.1 137.5 206.3





#53
 t-1,3-Dichloropropene
 Concen: 2.279 ug/l
 RT: 10.611 min Scan# 1431
 Delta R.T. 0.000 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:14

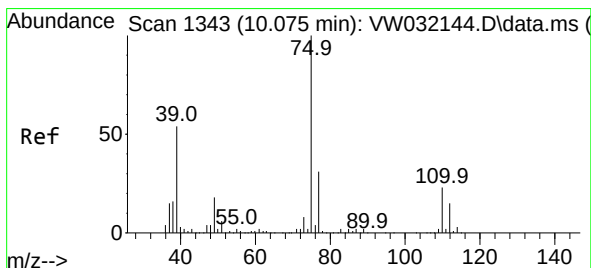
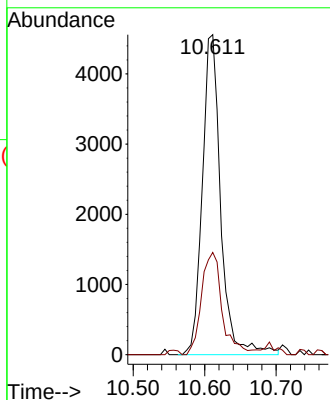
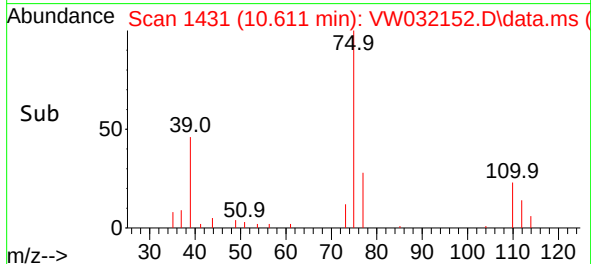
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



Tgt Ion: 75 Resp: 814
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.6 38.4

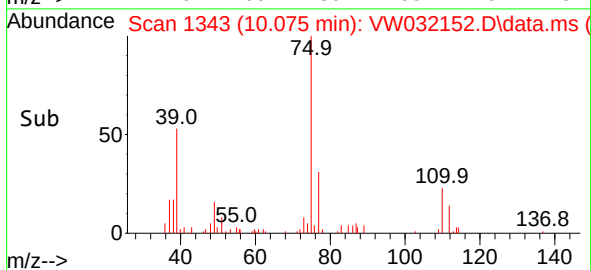
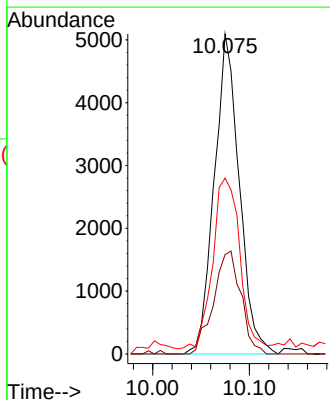
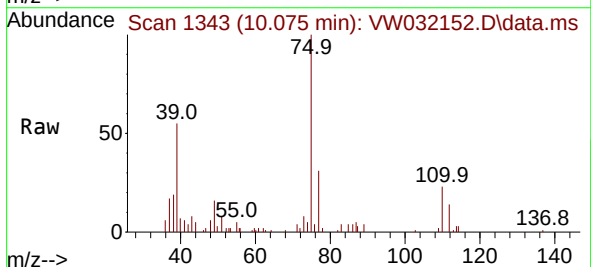
Manual Integrations
 APPROVED

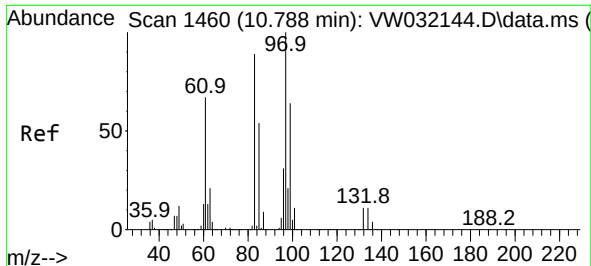
Reviewed By :Semsettin Yesilyurt 08/29/2025
 Supervised By :Mahesh Dadoda 08/29/2025



#54
 cis-1,3-Dichloropropene
 Concen: 2.242 ug/l
 RT: 10.075 min Scan# 1343
 Delta R.T. 0.000 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:14

Tgt Ion: 75 Resp: 9140
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.1 37.7
 39 53.4 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 2.523 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025

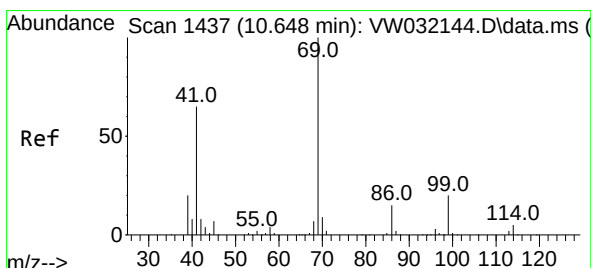
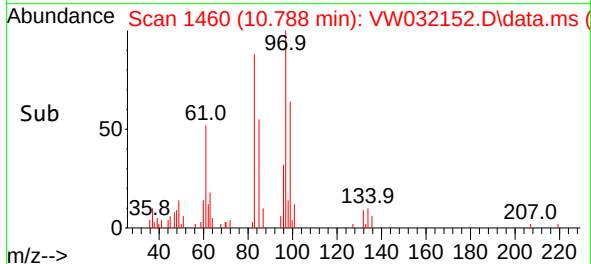
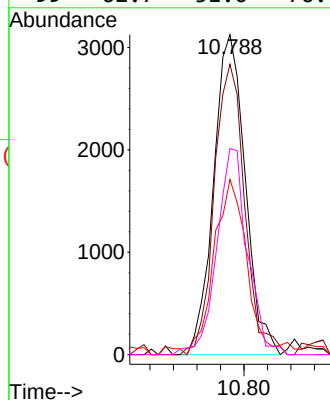
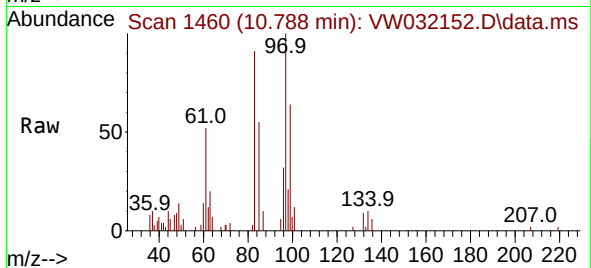
Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.8	71.0	106.6
85	52.9	42.8	64.2
99	62.7	51.0	76.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025

Supervised By :Mahesh Dadoda 08/29/2025



#56

Ethyl methacrylate

Concen: 2.084 ug/l

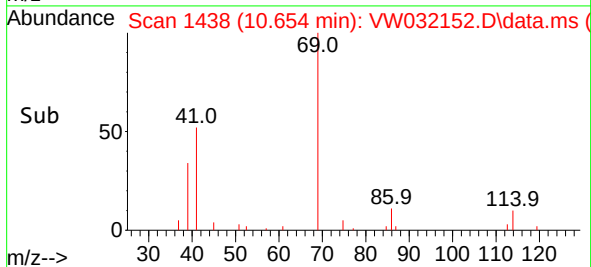
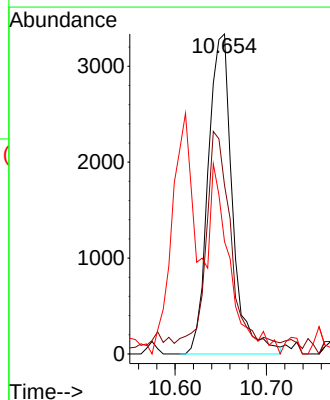
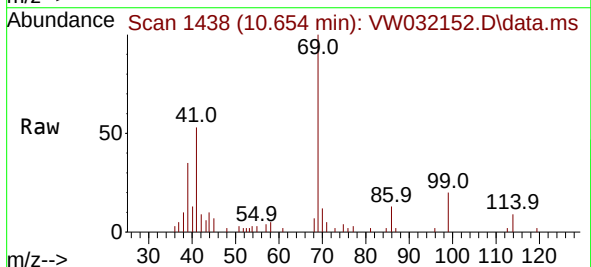
RT: 10.654 min Scan# 1438

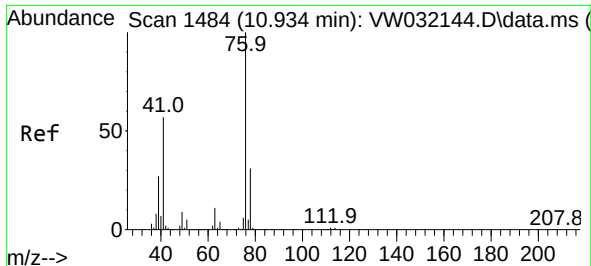
Delta R.T. 0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.2	79.8
39	39.2	32.9	49.3





#57

1,3-Dichloropropane

Concen: 2.402 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW032152.D

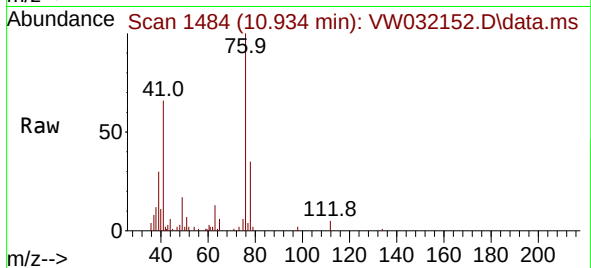
Acq: 28 Aug 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion: 76 Resp: 9319

Ion Ratio Lower Upper

76 100

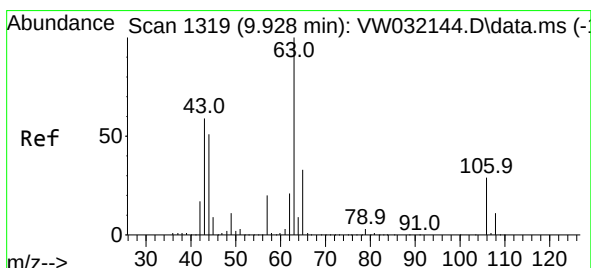
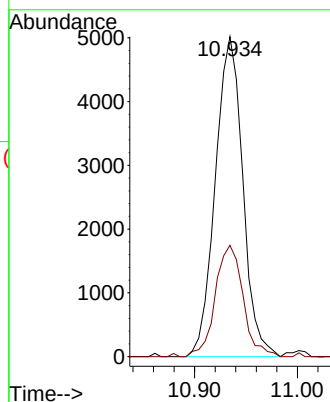
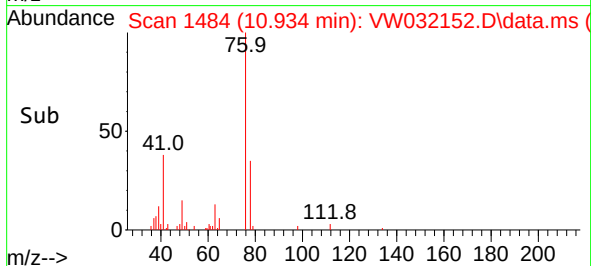
78 35.0 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025

Supervised By :Mahesh Dadoda 08/29/2025



#58

2-Chloroethyl Vinyl ether

Concen: 10.509 ug/l

RT: 9.929 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW032152.D

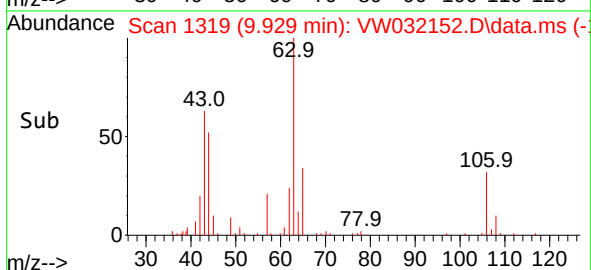
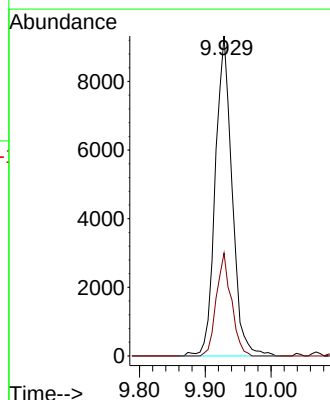
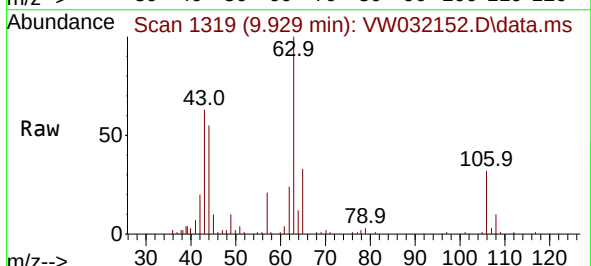
Acq: 28 Aug 2025 12:14

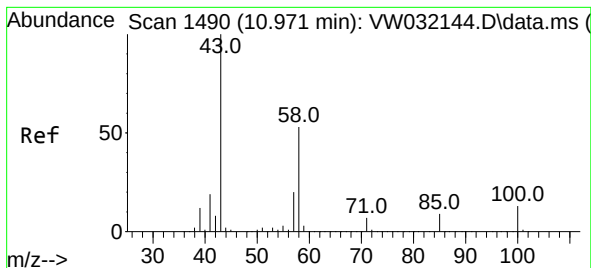
Tgt Ion: 63 Resp: 16616

Ion Ratio Lower Upper

63 100

106 28.6 24.3 36.5





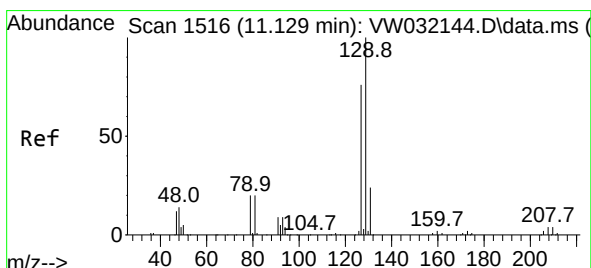
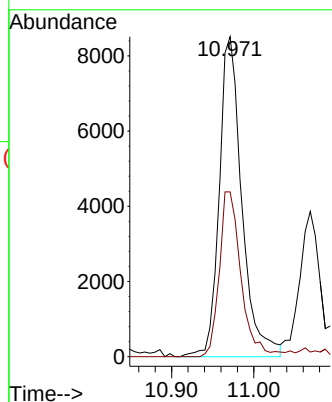
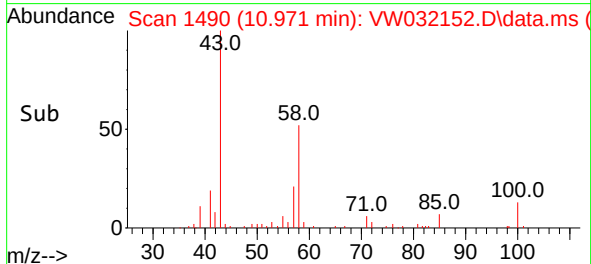
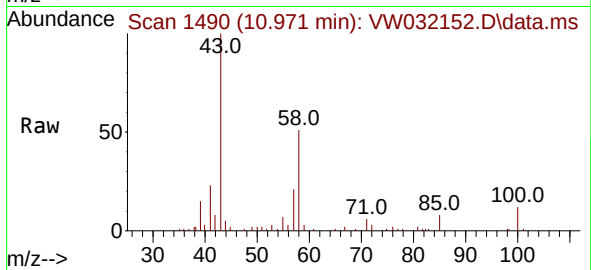
#59
2-Hexanone
Concen: 10.794 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 43 Resp: 1626
Ion Ratio Lower Upper
43 100
58 49.5 27.5 82.4

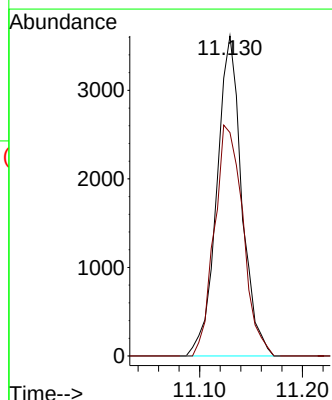
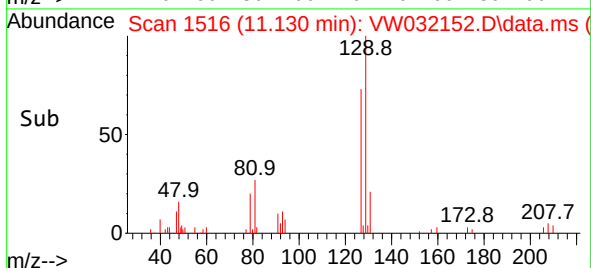
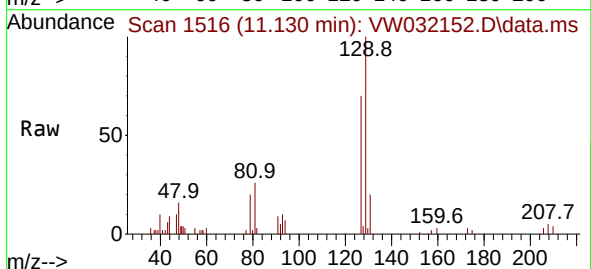
Manual Integrations
APPROVED

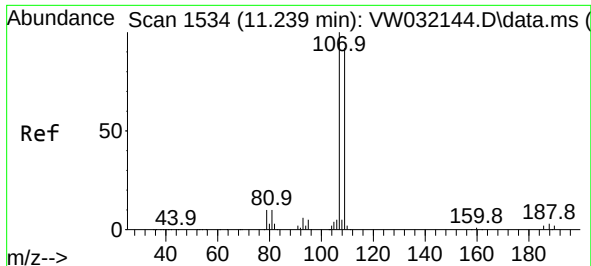
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#60
Dibromochloromethane
Concen: 2.175 ug/l
RT: 11.130 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

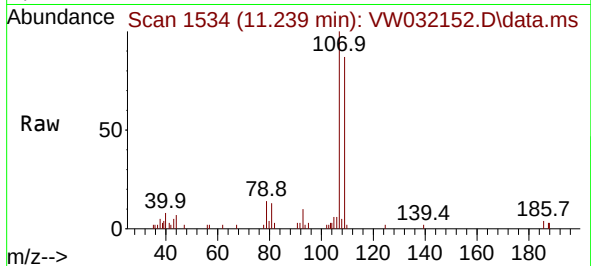
Tgt Ion:129 Resp: 6099
Ion Ratio Lower Upper
129 100
127 82.5 38.1 114.5





#61
1,2-Dibromoethane
Concen: 2.500 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

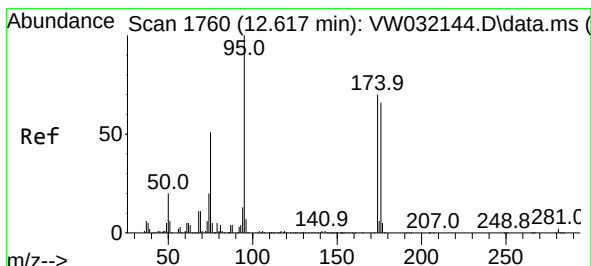
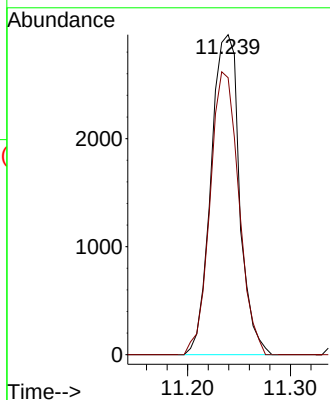
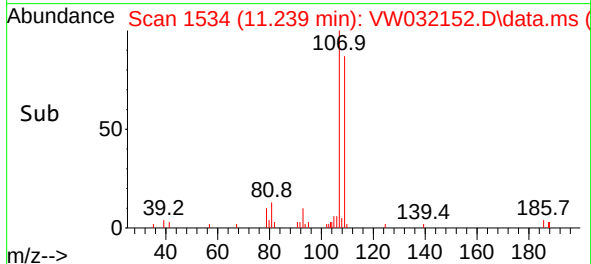
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



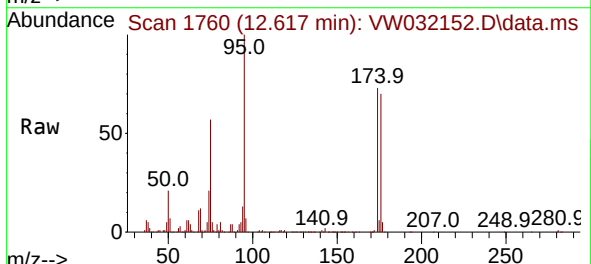
Tgt Ion:107 Resp: 5690
Ion Ratio Lower Upper
107 100
109 89.3 74.5 111.7

Manual Integrations
APPROVED

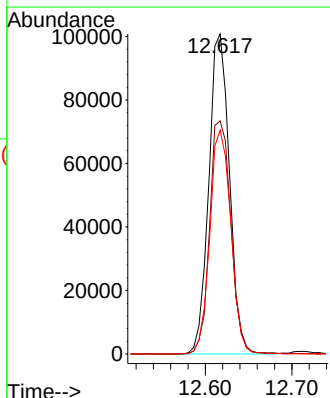
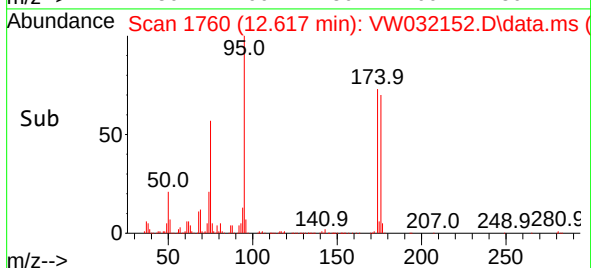
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

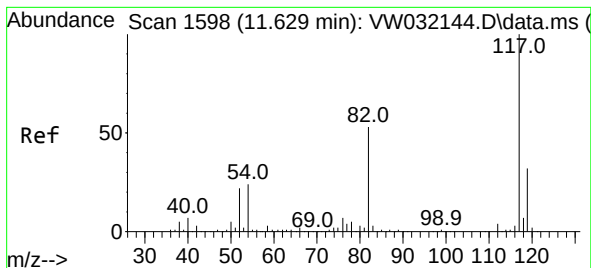


#62
4-Bromofluorobenzene
Concen: 48.920 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14



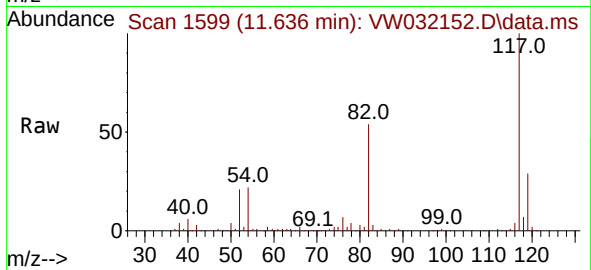
Tgt Ion: 95 Resp: 166980
Ion Ratio Lower Upper
95 100
174 75.1 0.0 145.6
176 71.3 0.0 140.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1159
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

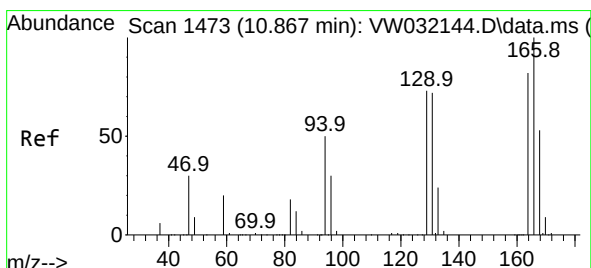
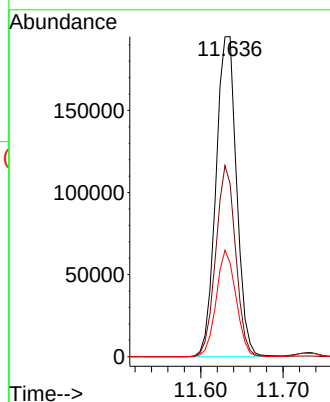
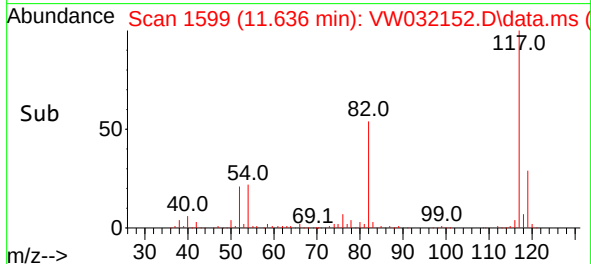
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



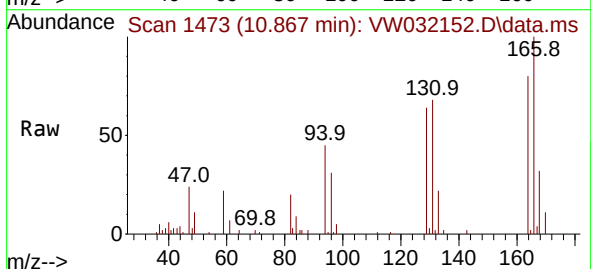
Tgt Ion:117 Resp: 341128
Ion Ratio Lower Upper
117 100
82 54.1 42.7 64.1
119 29.3 25.2 37.8

Manual Integrations
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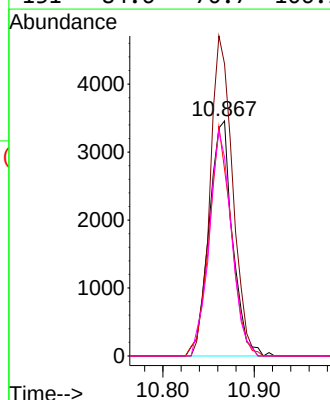
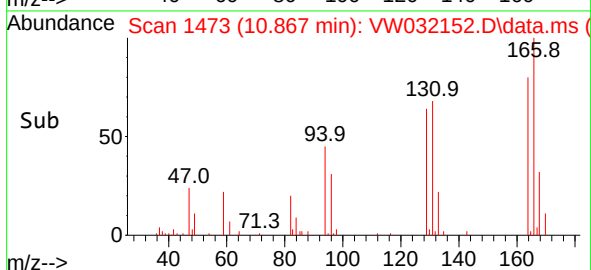
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

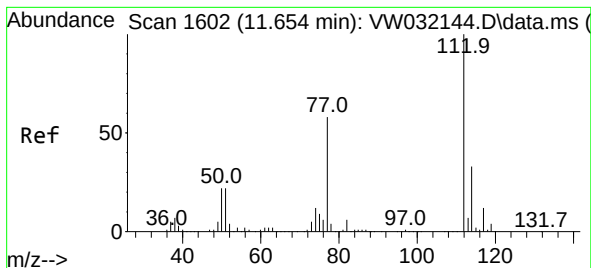


#64
Tetrachloroethene
Concen: 2.761 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14



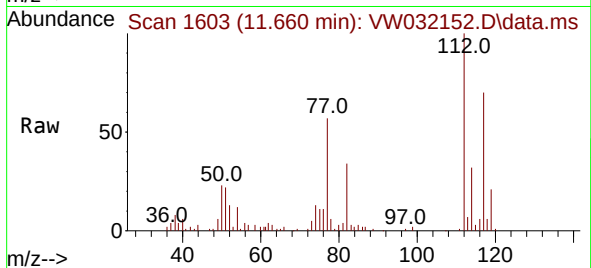
Tgt Ion:164 Resp: 6199
Ion Ratio Lower Upper
164 100
166 124.3 97.5 146.3
129 79.5 71.2 106.8
131 84.6 70.7 106.1





#65
Chlorobenzene
Concen: 2.559 ug/l
RT: 11.660 min Scan# 1112
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

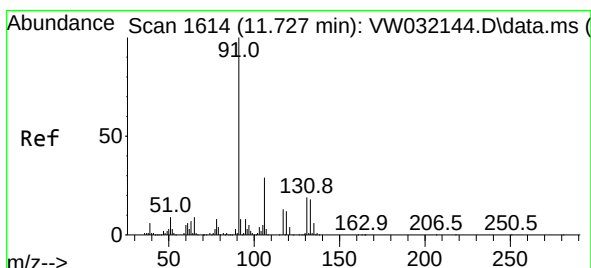
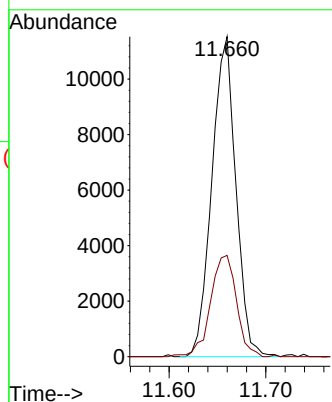
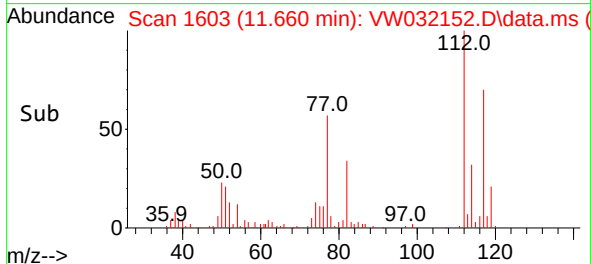
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



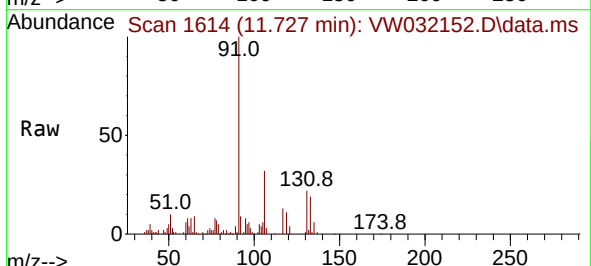
Tgt Ion:112 Resp: 1987
Ion Ratio Lower Upper
112 100
114 31.6 26.0 39.0

Manual Integrations
APPROVED

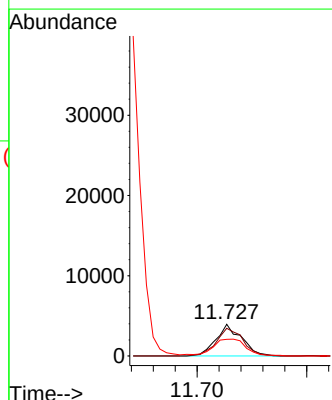
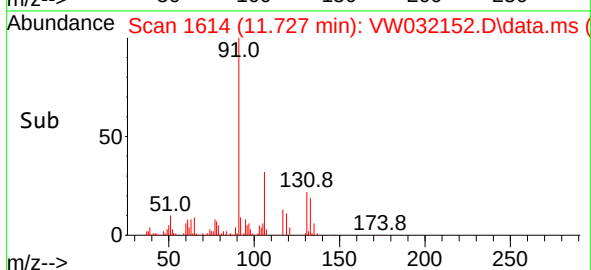
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

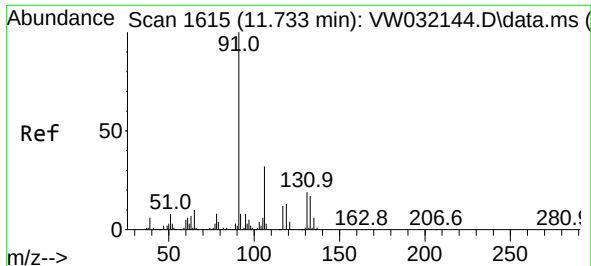


#66
1,1,1,2-Tetrachloroethane
Concen: 2.496 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14



Tgt Ion:131 Resp: 6380
Ion Ratio Lower Upper
131 100
133 91.9 47.7 143.1
119 67.8 32.8 98.3





#67

Ethyl Benzene

Concen: 2.368 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. -0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion: 91 Resp: 30130

Ion Ratio Lower Upper

91 100

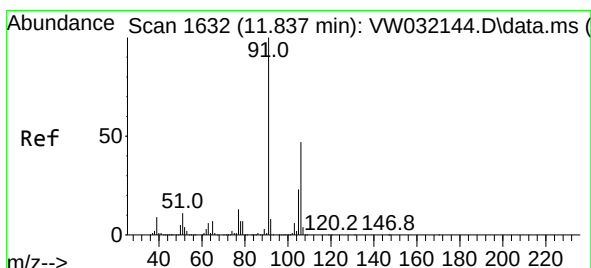
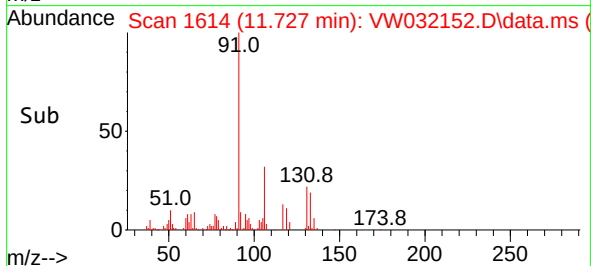
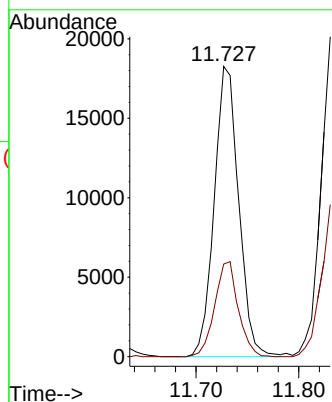
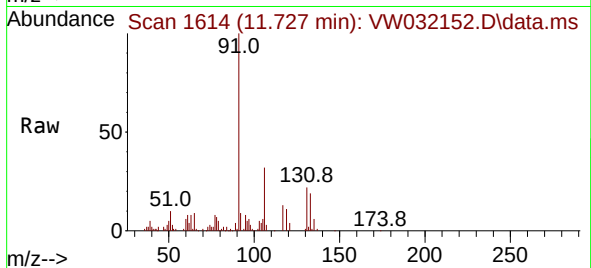
106 31.9 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025

Supervised By :Mahesh Dadoda 08/29/2025



#68

m/p-Xylenes

Concen: 4.613 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW032152.D

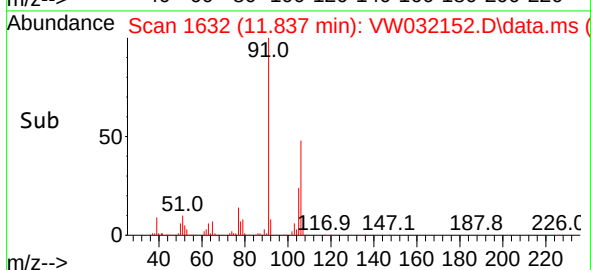
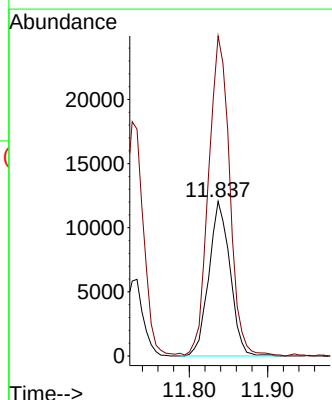
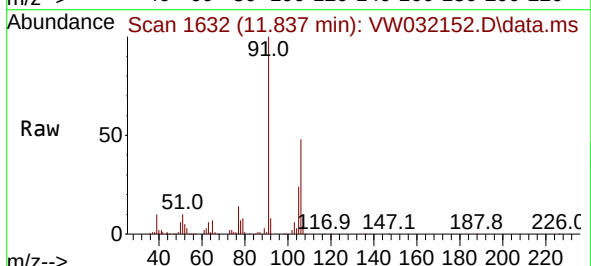
Acq: 28 Aug 2025 12:14

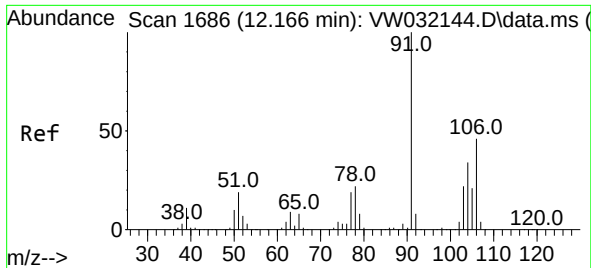
Tgt Ion:106 Resp: 22585

Ion Ratio Lower Upper

106 100

91 207.3 164.2 246.2





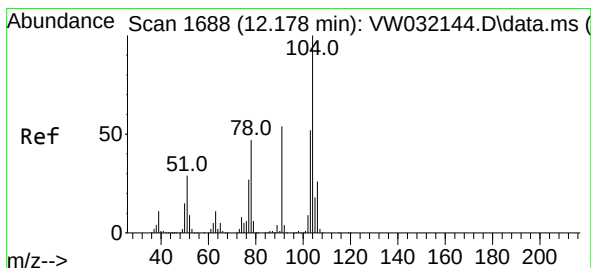
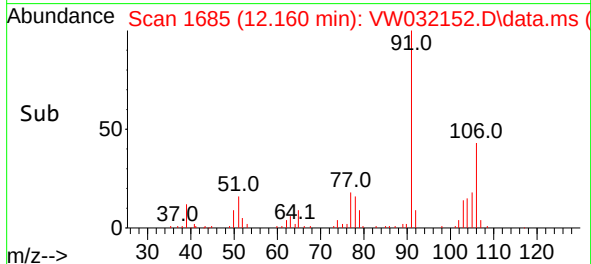
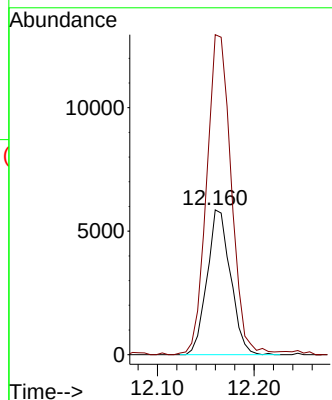
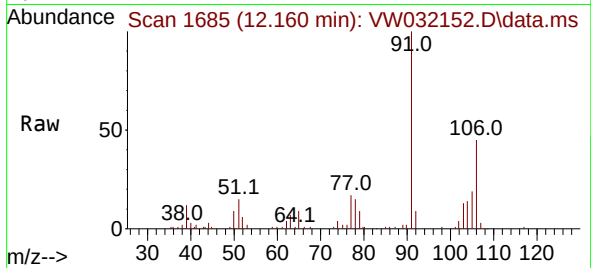
#69
o-Xylene
Concen: 2.131 ug/l
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion:106 Resp: 9870
Ion Ratio Lower Upper
106 100
91 231.7 108.7 326.3

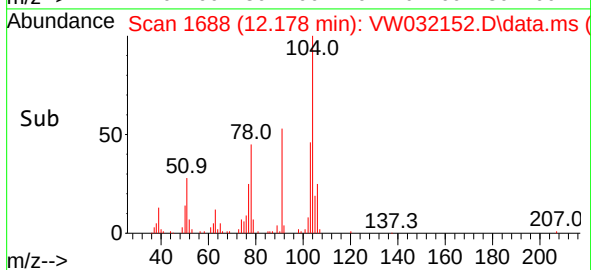
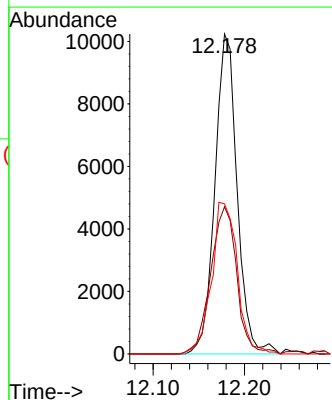
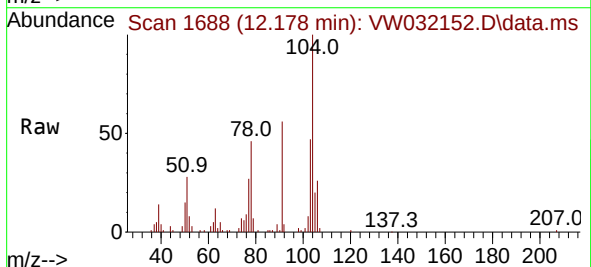
Manual Integrations
APPROVED

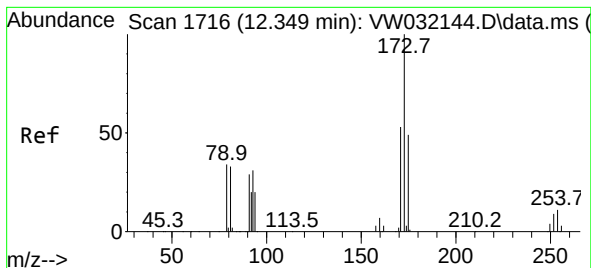
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#70
Styrene
Concen: 2.118 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

Tgt Ion:104 Resp: 17294
Ion Ratio Lower Upper
104 100
78 53.9 41.6 62.4
103 54.8 44.8 67.2





#71

Bromoform

Concen: 2.475 ug/l

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

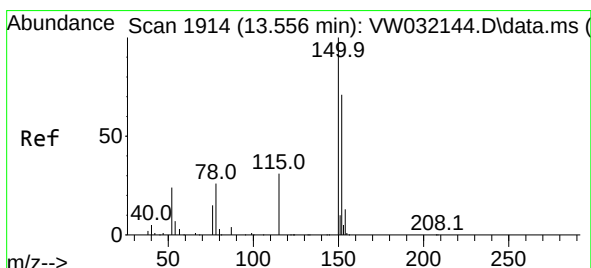
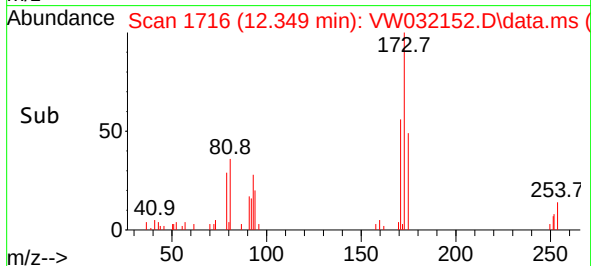
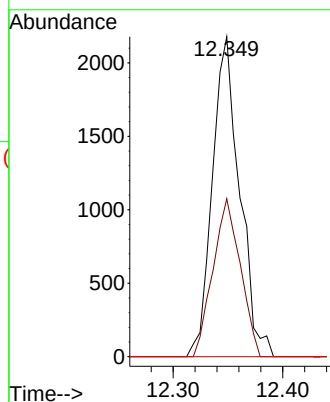
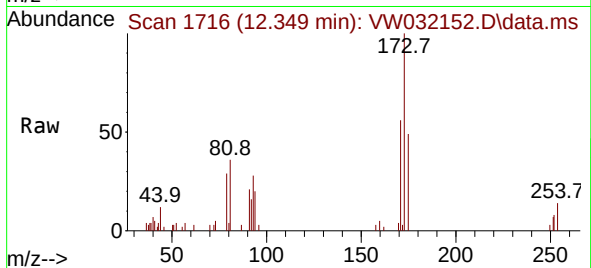
MDL-SOIL-03-QT3-2025

Tgt Ion:	173	Resp:	375
Ion Ratio	Lower	Upper	
173	100		
175	49.7	24.9	74.7
254	0.0	0.2	0.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

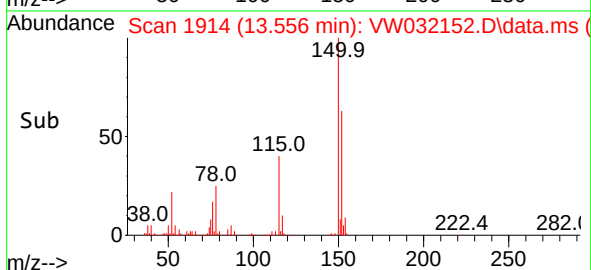
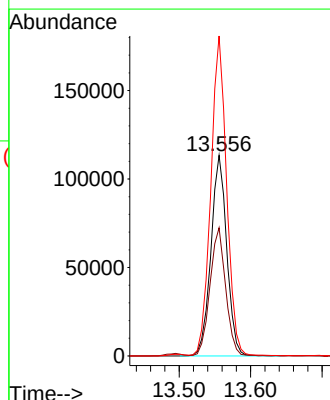
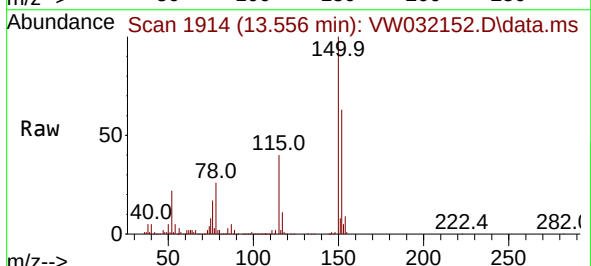
RT: 13.556 min Scan# 1914

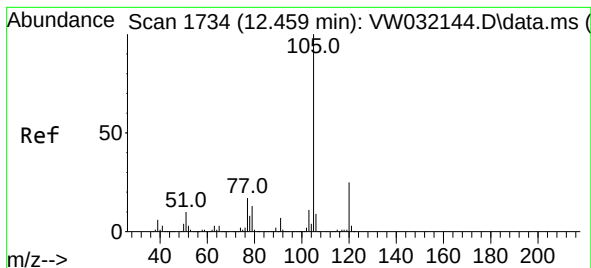
Delta R.T. 0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

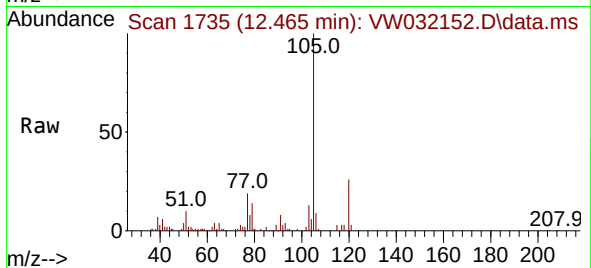
Tgt Ion:	152	Resp:	174602
Ion Ratio	Lower	Upper	
152	100		
115	63.4	31.8	95.4
150	158.6	0.0	343.0





#73
Isopropylbenzene
Concen: 2.127 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

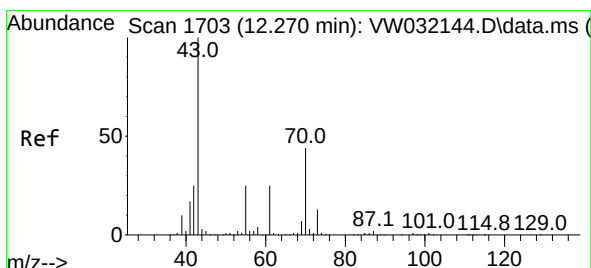
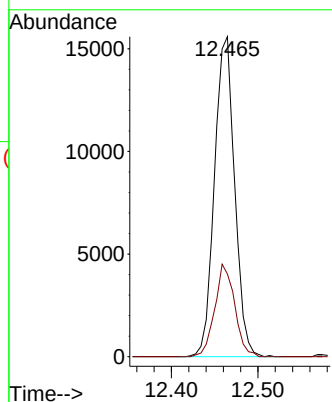
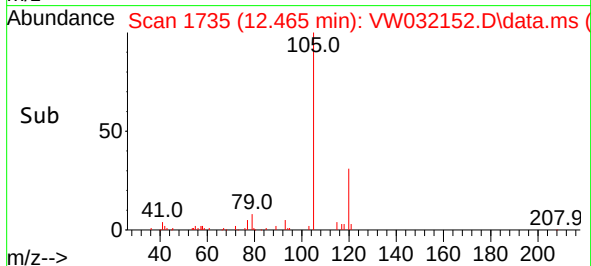
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:105 Resp: 25229
Ion Ratio Lower Upper
105 100
120 28.5 13.0 38.9

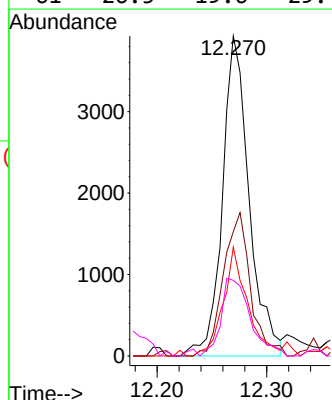
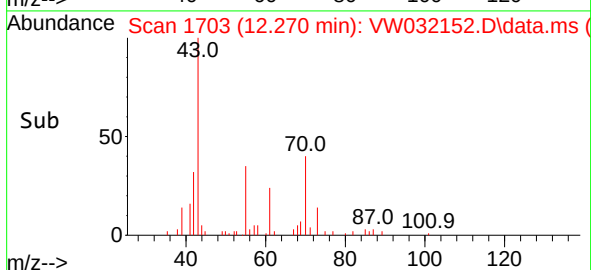
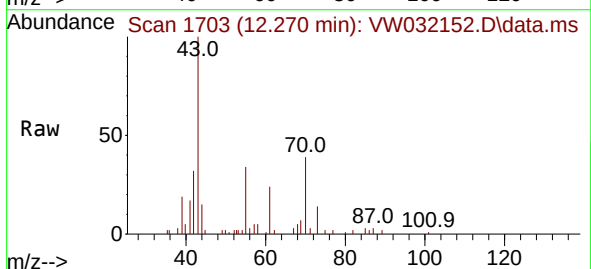
Manual Integrations
APPROVED

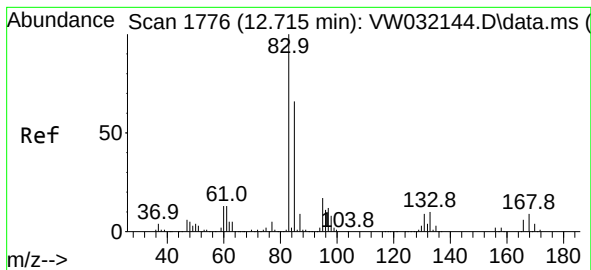
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#74
N-ethyl acetate
Concen: 1.933 ug/l
RT: 12.270 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

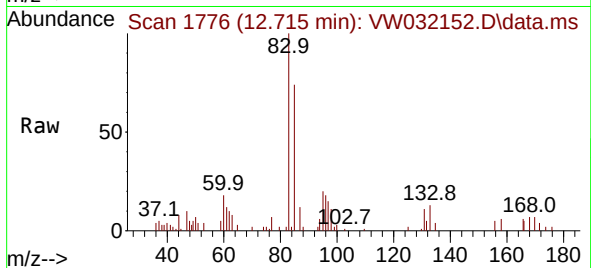
Tgt Ion: 43 Resp: 6657
Ion Ratio Lower Upper
43 100
70 45.2 35.3 52.9
55 30.8 19.9 29.9#
61 26.5 19.6 29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 2.416 ug/l
RT: 12.715 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

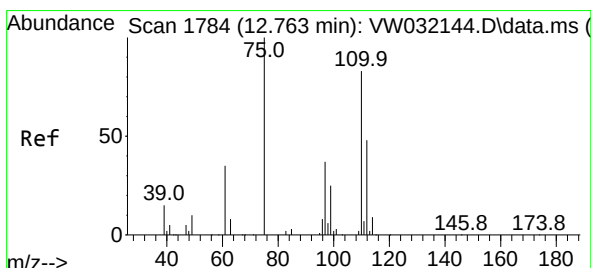
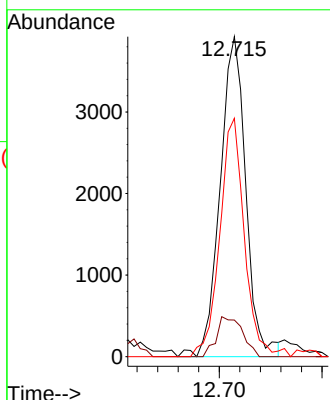
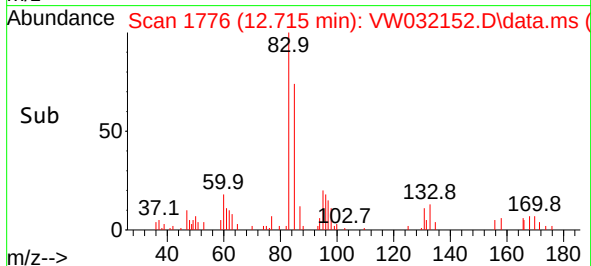
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 83 Resp: 6810
Ion Ratio Lower Upper
83 100
131 12.6 5.1 15.4
85 71.3 32.2 96.6

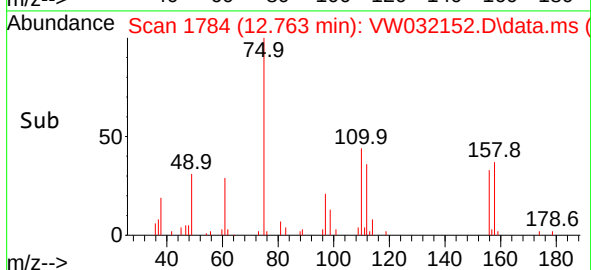
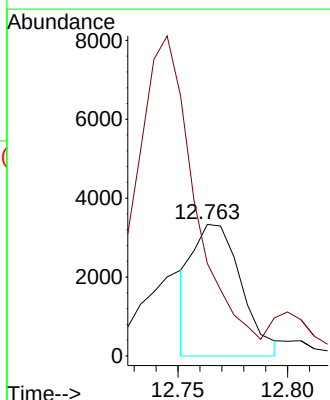
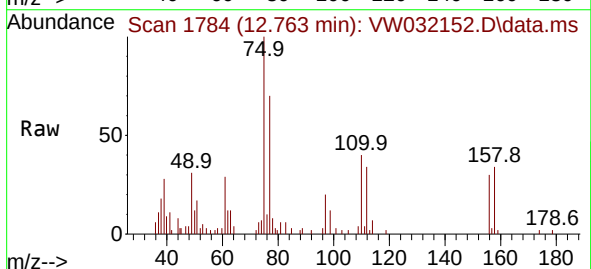
Manual Integrations
APPROVED

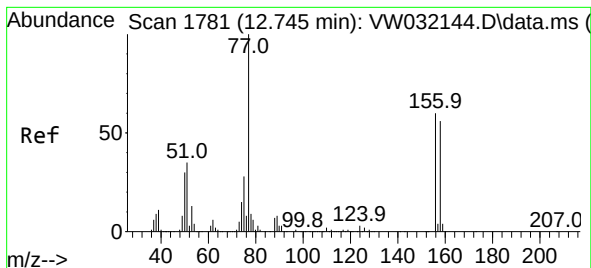
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#76
1,2,3-Trichloropropane
Concen: 2.347 ug/l m
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

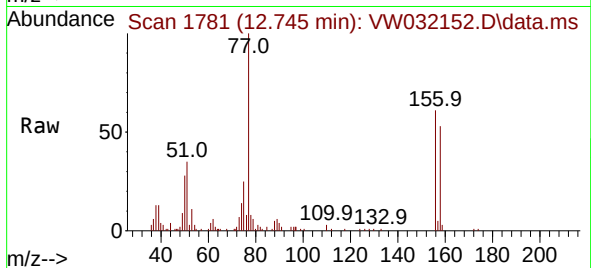
Tgt Ion: 75 Resp: 5134
Ion Ratio Lower Upper
75 100
77 298.0 141.7 425.1





#77
Bromobenzene
Concen: 2.659 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

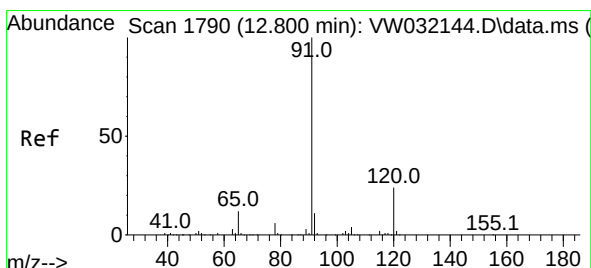
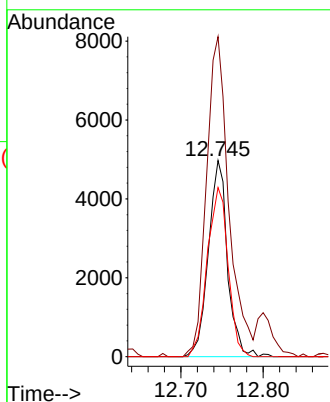
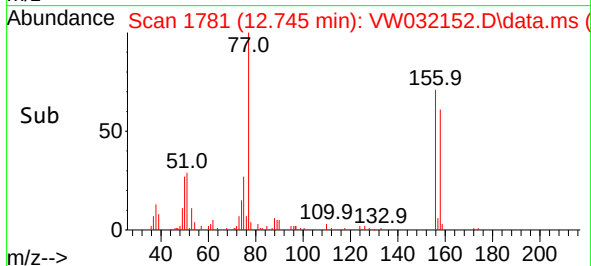
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 156 Resp: 8044
Ion Ratio Lower Upper
156 100
77 190.2 98.6 295.7
158 93.4 48.4 145.0

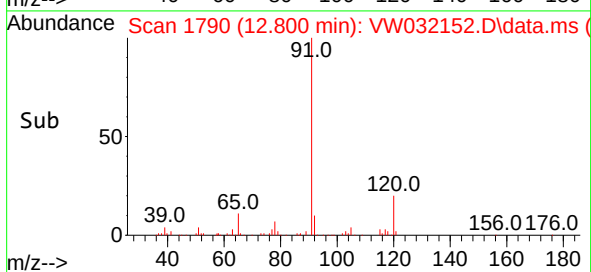
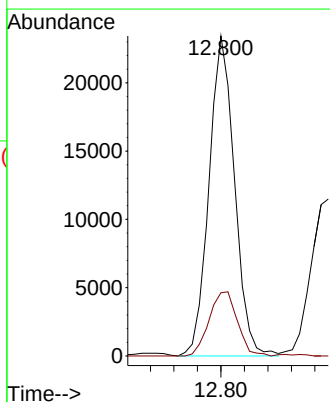
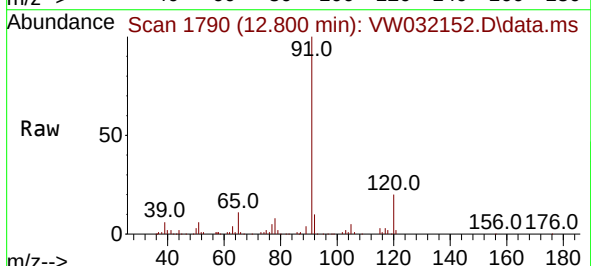
Manual Integrations
APPROVED

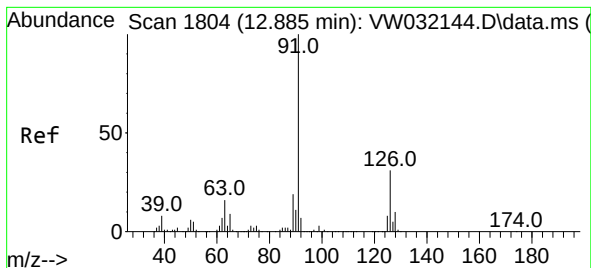
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#78
n-propylbenzene
Concen: 2.459 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

Tgt Ion: 91 Resp: 35414
Ion Ratio Lower Upper
91 100
120 22.1 11.8 35.4





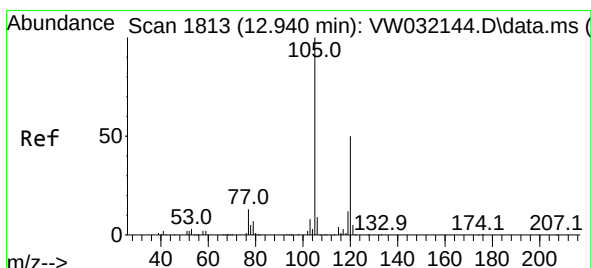
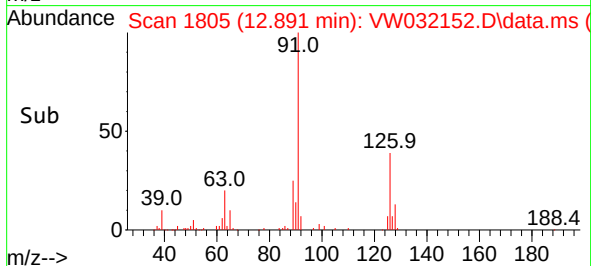
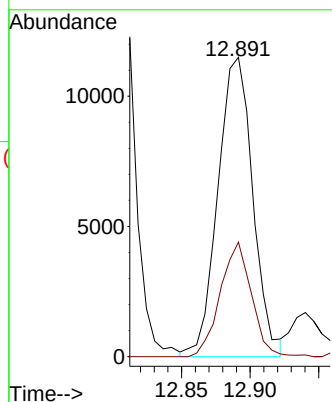
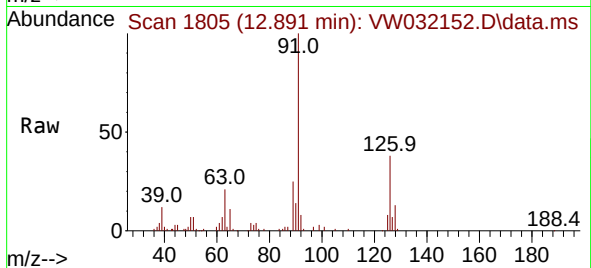
#79
2-Chlorotoluene
Concen: 2.314 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 91 Resp: 20379
Ion Ratio Lower Upper
91 100
126 34.2 16.6 49.7

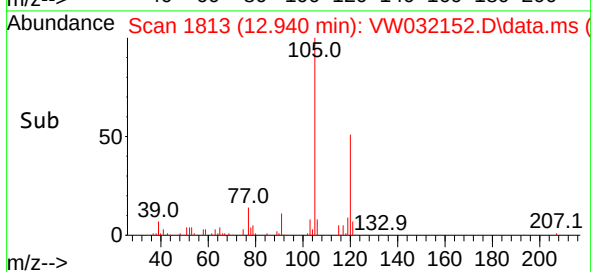
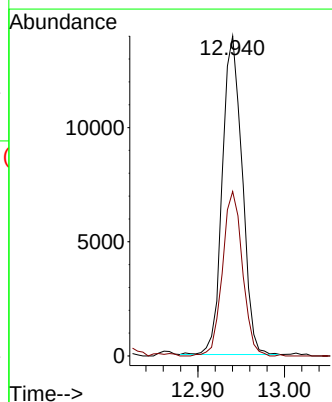
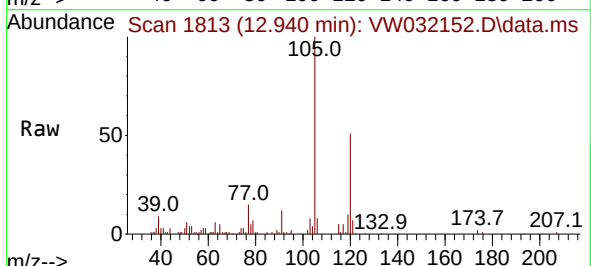
Manual Integrations
APPROVED

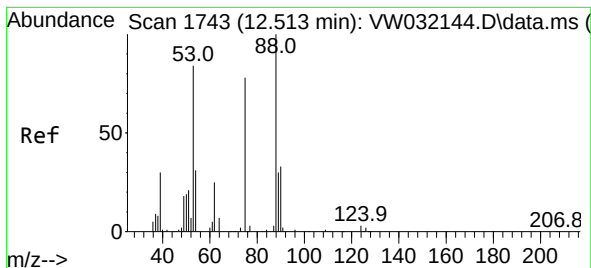
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#80
1,3,5-Trimethylbenzene
Concen: 2.211 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

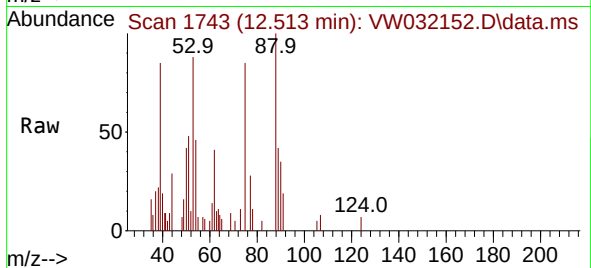
Tgt Ion:105 Resp: 22207
Ion Ratio Lower Upper
105 100
120 52.1 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 2.118 ug/l m
RT: 12.513 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

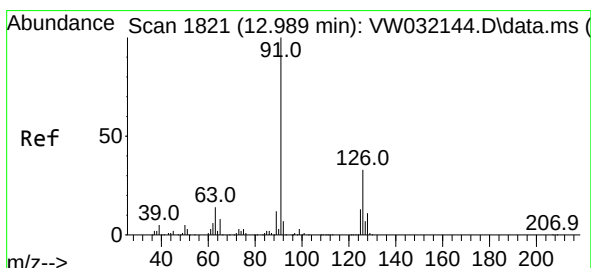
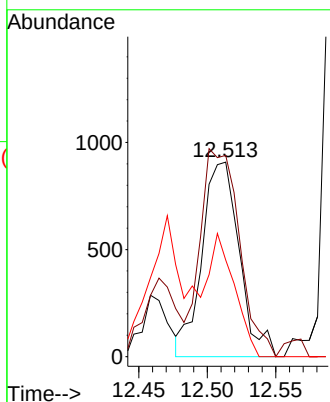
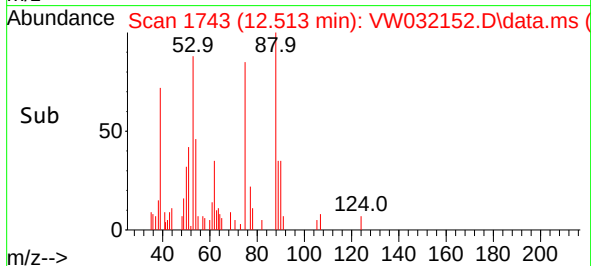
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 75 Resp: 172
Ion Ratio Lower Upper
75 100
53 15.9 91.0 136.6
89 5.3 39.4 59.2

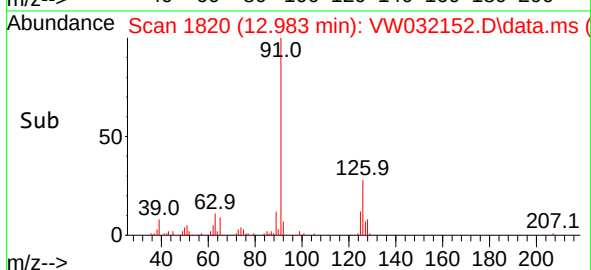
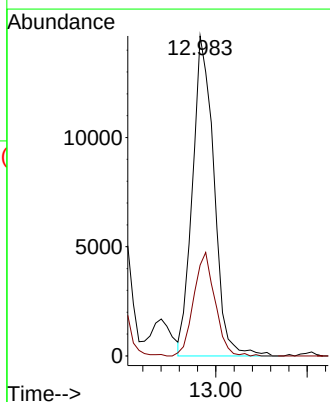
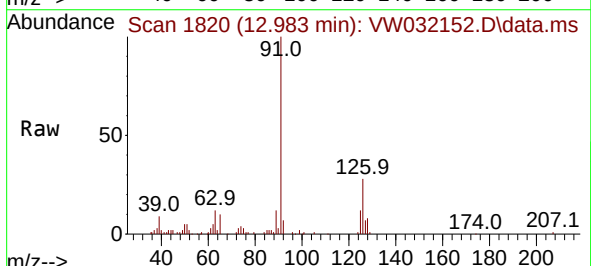
Manual Integrations
APPROVED

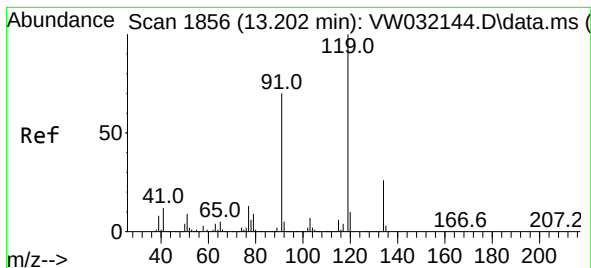
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#82
4-Chlorotoluene
Concen: 2.535 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

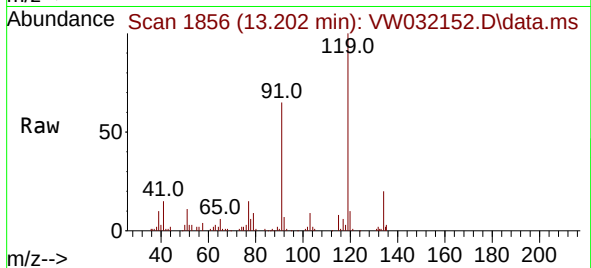
Tgt Ion: 91 Resp: 23892
Ion Ratio Lower Upper
91 100
126 32.0 16.1 48.2





#83
tert-Butylbenzene
Concen: 2.327 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

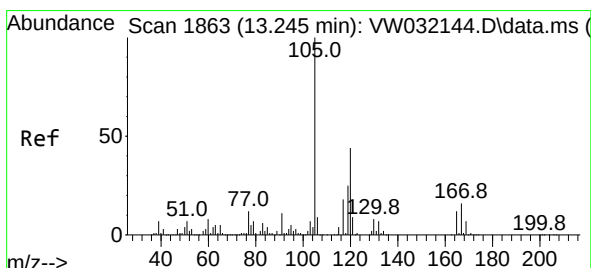
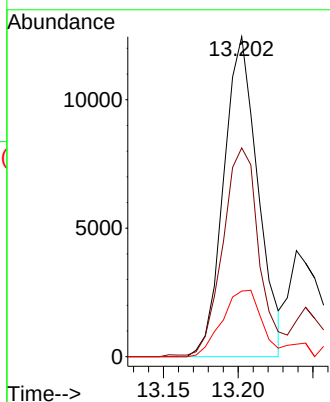
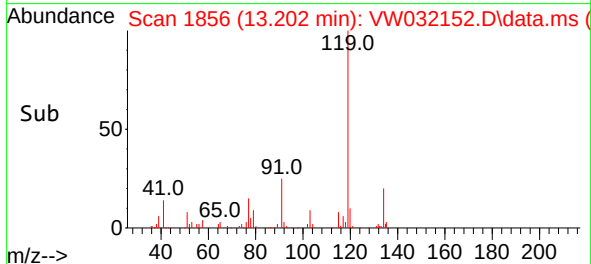
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



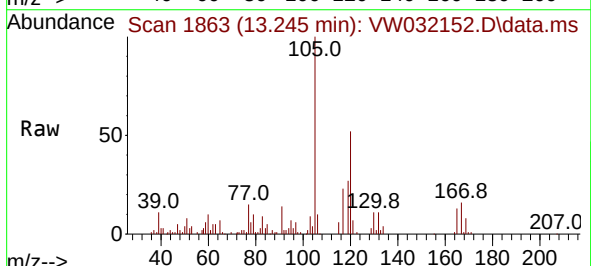
Tgt Ion:119 Resp: 19810
Ion Ratio Lower Upper
119 100
91 70.2 33.8 101.3
134 23.8 12.5 37.5

Manual Integrations
APPROVED

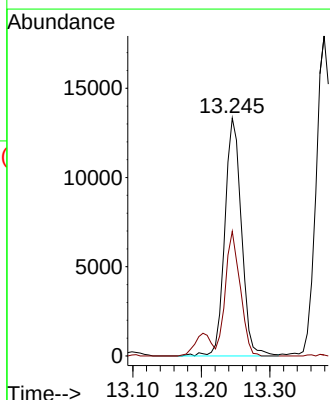
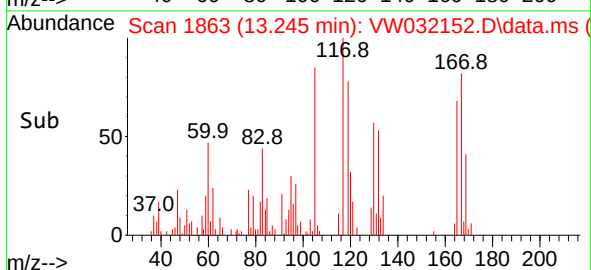
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

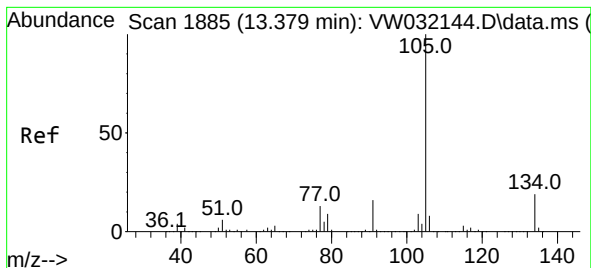


#84
1,2,4-Trimethylbenzene
Concen: 2.159 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14



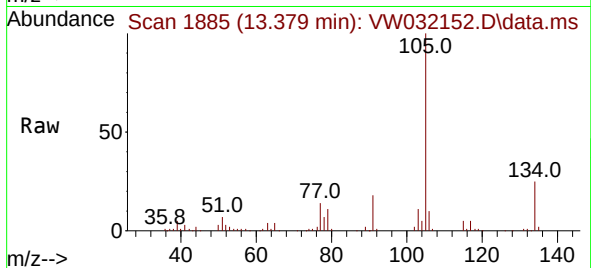
Tgt Ion:105 Resp: 22431
Ion Ratio Lower Upper
105 100
120 46.4 22.1 66.3





#85
 sec-Butylbenzene
 Concen: 2.292 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:14

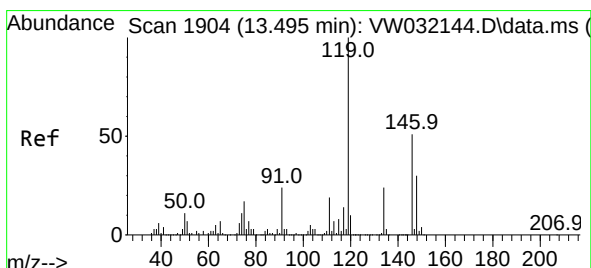
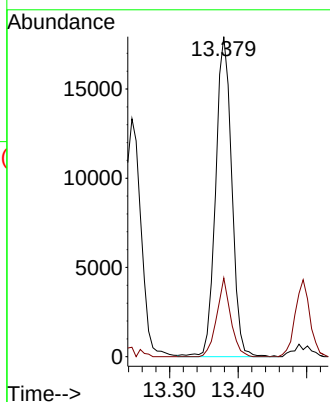
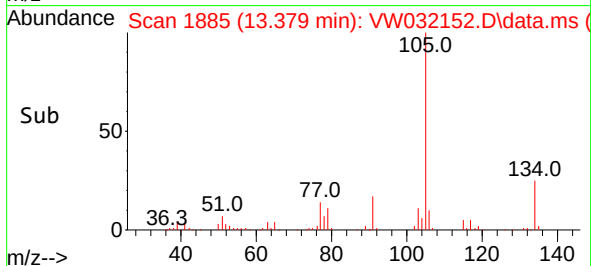
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



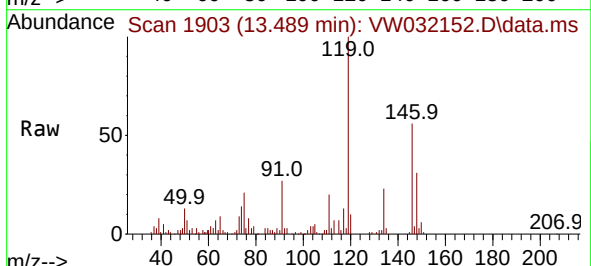
Tgt Ion:105 Resp: 2913
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.1 30.1

Manual Integrations
 APPROVED

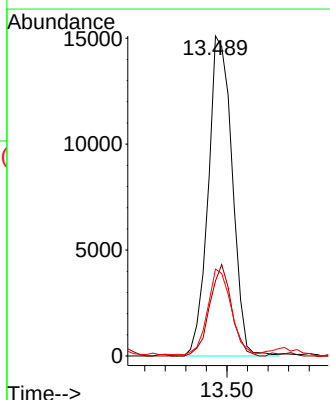
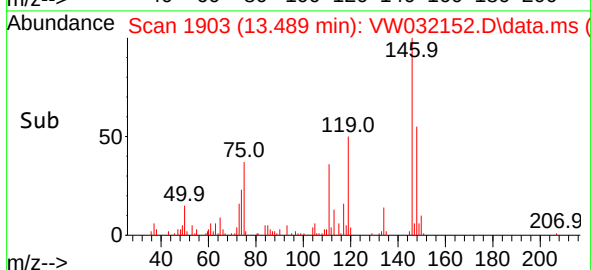
Reviewed By :Semsettin Yesilyurt 08/29/2025
 Supervised By :Mahesh Dadoda 08/29/2025

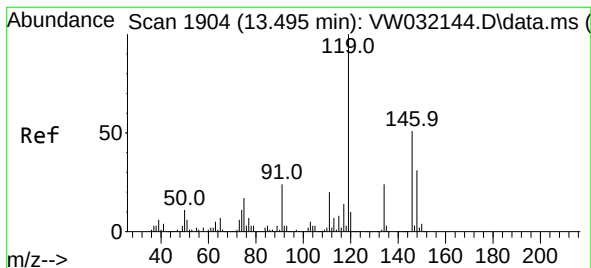


#86
 p-Isopropyltoluene
 Concen: 2.261 ug/l
 RT: 13.489 min Scan# 1903
 Delta R.T. -0.006 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:14



Tgt Ion:119 Resp: 24445
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.6 37.6
 91 27.4 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 2.580 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025

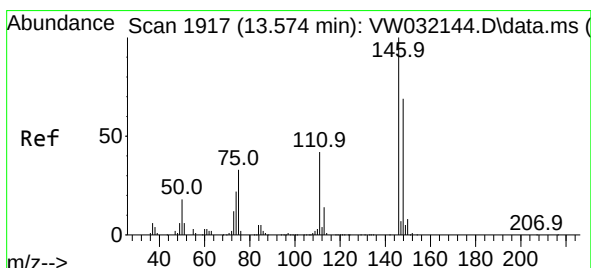
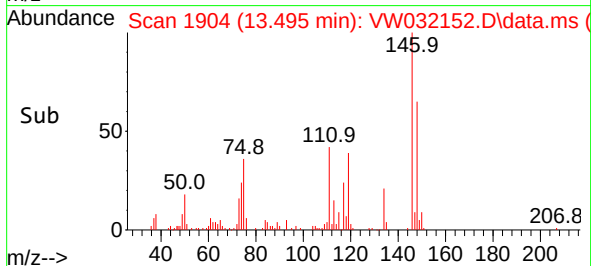
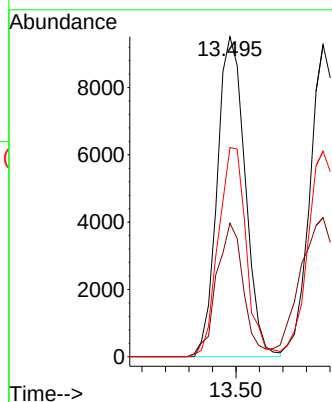
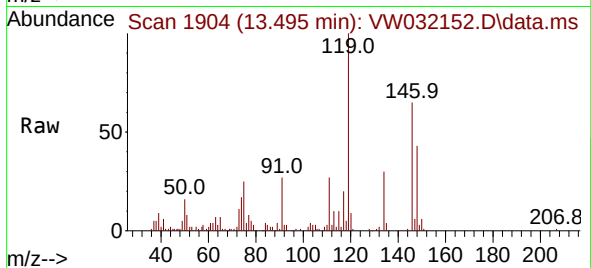
Tgt Ion:	146	Resp:	1571
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.6	61.9
148	65.3	30.6	92.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025

Supervised By :Mahesh Dadoda 08/29/2025



#88

1,4-Dichlorobenzene

Concen: 2.616 ug/l

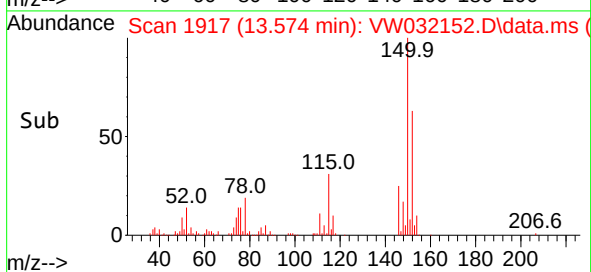
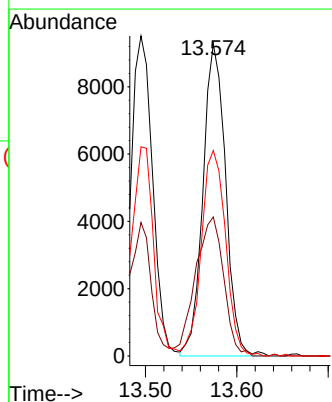
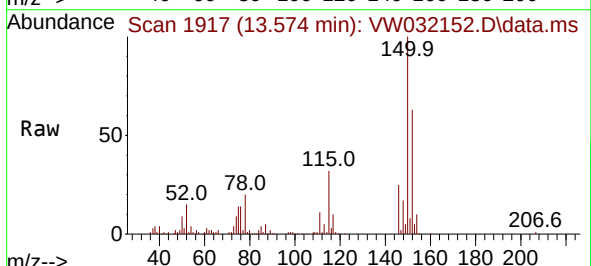
RT: 13.574 min Scan# 1917

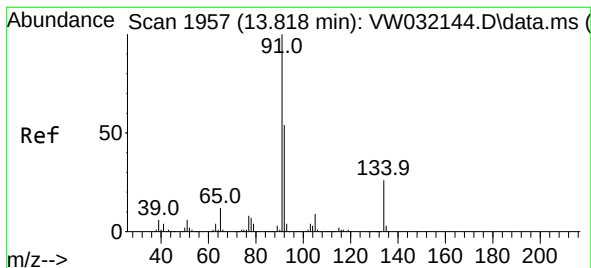
Delta R.T. 0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

Tgt Ion:	146	Resp:	15973
Ion Ratio	Lower	Upper	
146	100		
111	56.1	21.3	63.7
148	70.5	33.4	100.1





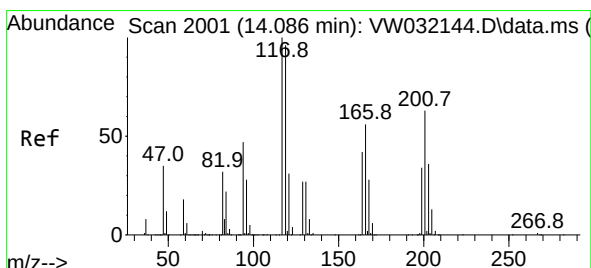
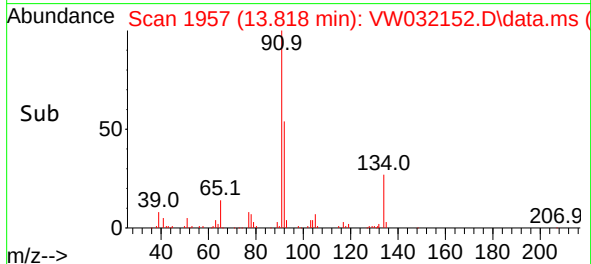
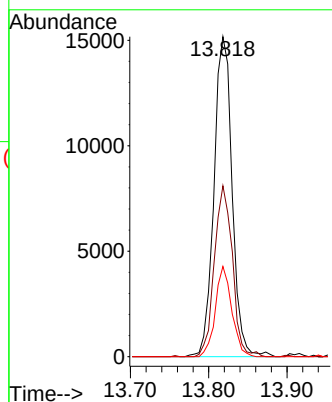
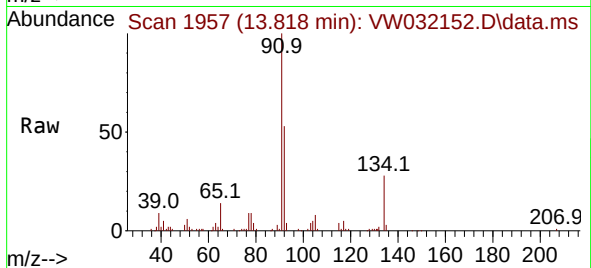
#89
n-Butylbenzene
Concen: 2.376 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 91 Resp: 2449
Ion Ratio Lower Upper
91 100
92 53.0 27.0 81.0
134 25.5 13.1 39.3

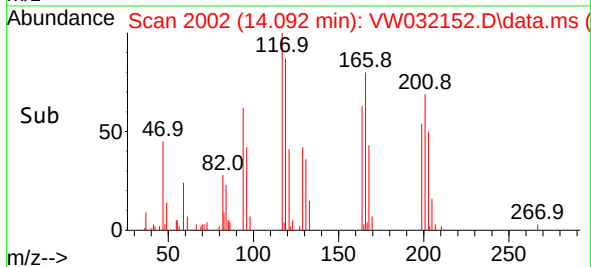
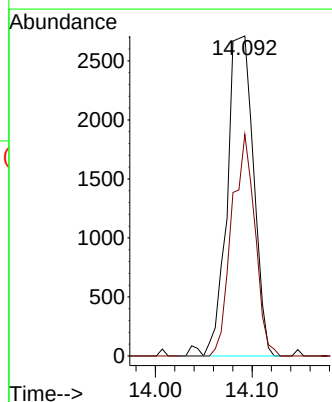
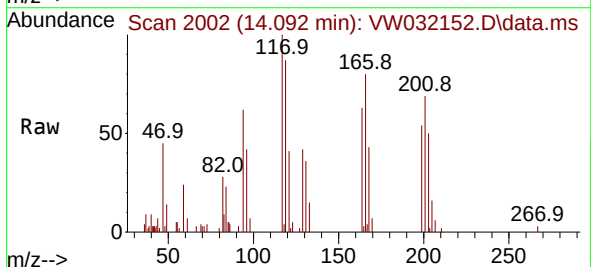
Manual Integrations
APPROVED

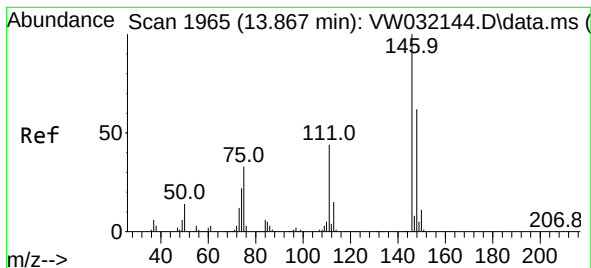
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#90
Hexachloroethane
Concen: 2.626 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

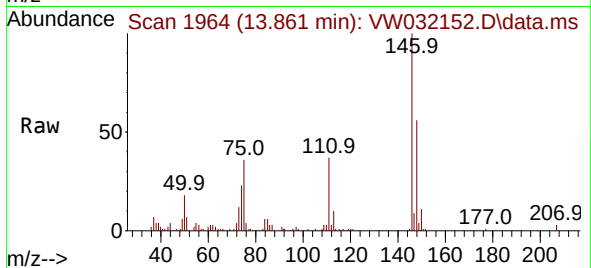
Tgt Ion:117 Resp: 5193
Ion Ratio Lower Upper
117 100
201 60.4 32.8 98.4





#91
1,2-Dichlorobenzene
Concen: 2.619 ug/l
RT: 13.861 min Scan# 1965
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

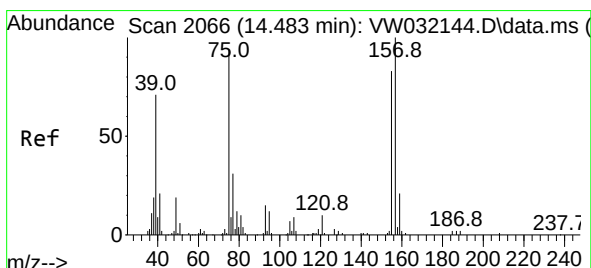
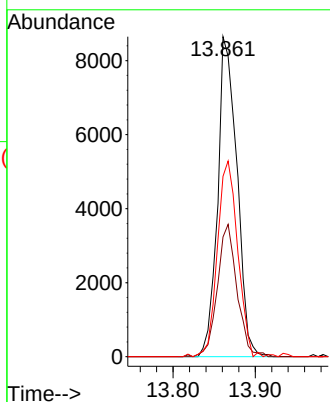
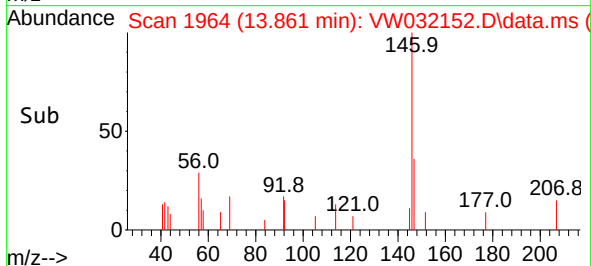
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion:146 Resp: 1412
Ion Ratio Lower Upper
146 100
111 42.0 23.4 70.0
148 64.3 34.1 102.3

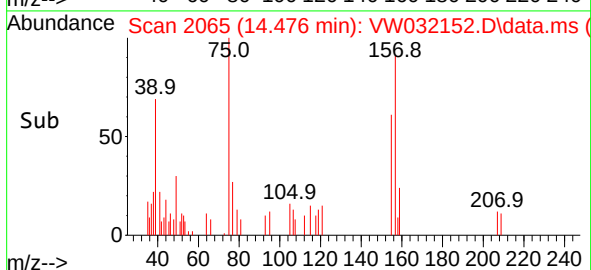
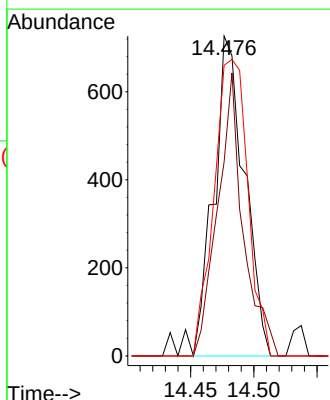
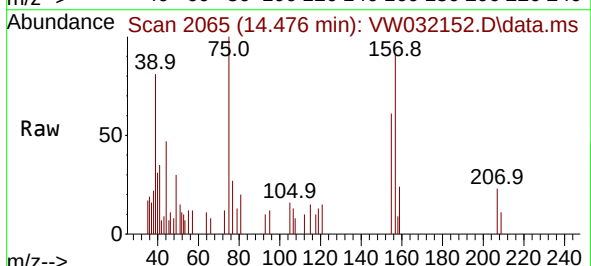
Manual Integrations
APPROVED

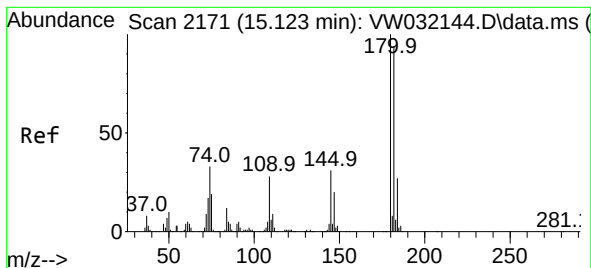
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.498 ug/l
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

Tgt Ion: 75 Resp: 1244
Ion Ratio Lower Upper
75 100
155 72.8 40.8 122.5
157 101.0 51.8 155.4





#93

1,2,4-Trichlorobenzene

Concen: 2.440 ug/l

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

Instrument :

MSVOA_W

ClientSampleId :

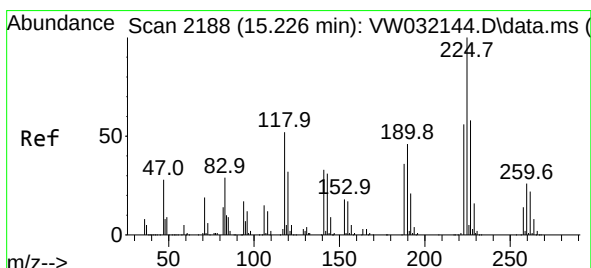
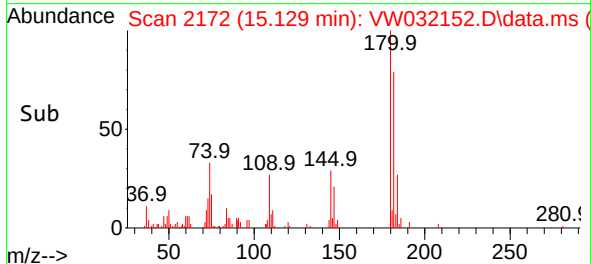
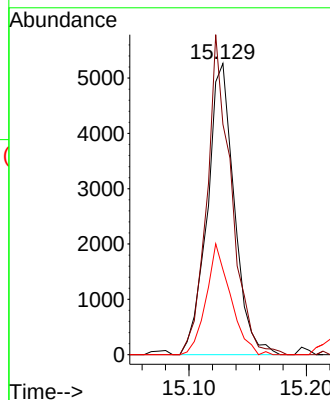
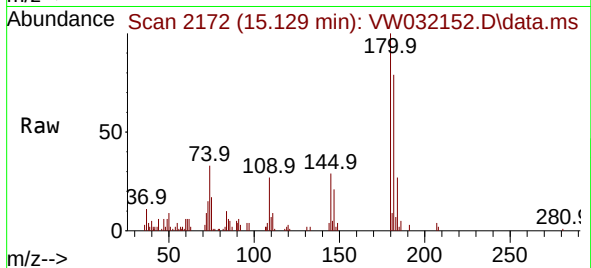
MDL-SOIL-03-QT3-2025

Tgt Ion:180	Resp:	840
Ion Ratio	Lower	Upper
180	100	
182	98.6	47.4 142.2
145	34.4	16.4 49.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#94

Hexachlorobutadiene

Concen: 2.755 ug/l

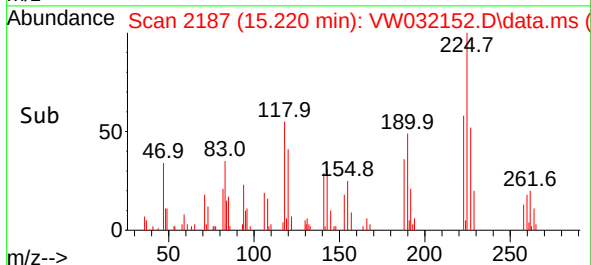
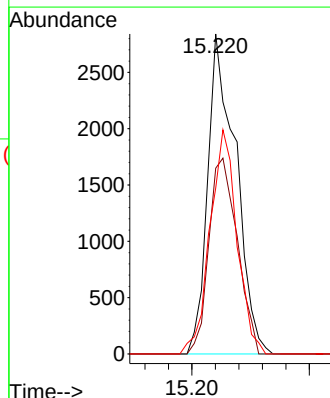
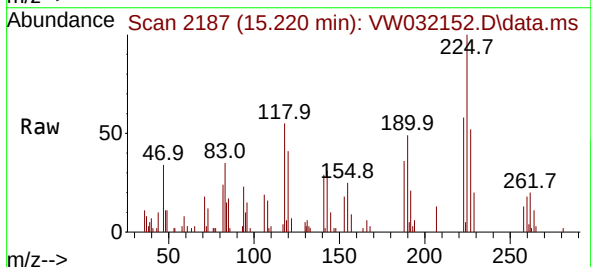
RT: 15.220 min Scan# 2187

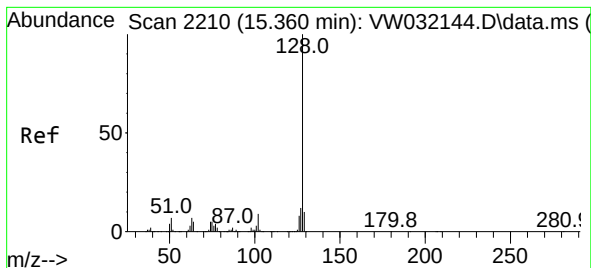
Delta R.T. -0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:14

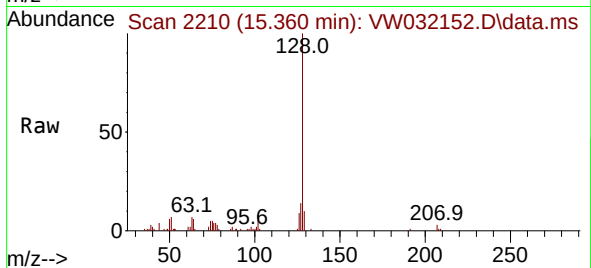
Tgt Ion:225	Resp:	4708
Ion Ratio	Lower	Upper
225	100	
223	62.2	29.8 89.3
227	67.3	30.5 91.5





#95
Naphthalene
Concen: 2.159 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14

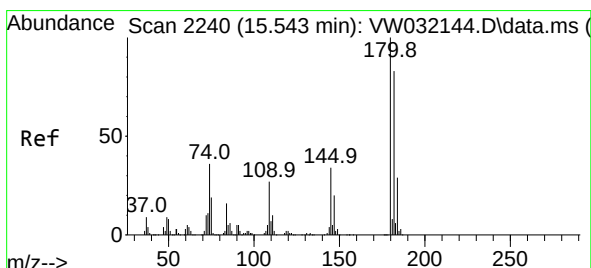
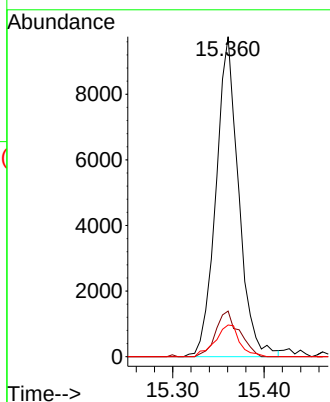
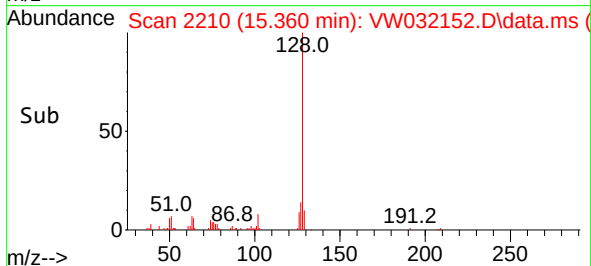
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



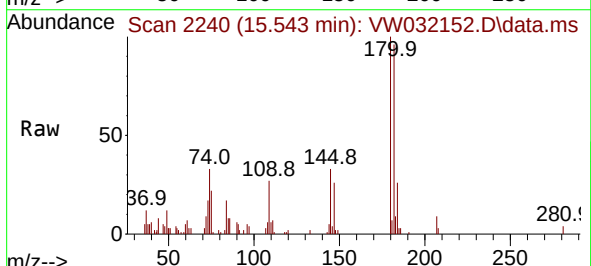
Tgt Ion:128 Resp: 1683
Ion Ratio Lower Upper
128 100
127 14.7 10.6 16.0
129 10.7 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#96
1,2,3-Trichlorobenzene
Concen: 2.500 ug/l
RT: 15.543 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:14



Tgt Ion:180 Resp: 8010
Ion Ratio Lower Upper
180 100
182 100.5 47.7 143.1
145 36.2 17.2 51.6

