

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032153.D
 Acq On : 28 Aug 2025 12:36
 Operator : SY/MD
 Sample : Q2893-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 29 01:38:57 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	7.965	168	214959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	375570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	340249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	175960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	145654	47.380	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	94.760%		
35) Dibromofluoromethane	7.898	113	120103	45.580	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	91.160%		
50) Toluene-d8	10.331	98	432907	46.800	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	93.600%		
62) 4-Bromofluorobenzene	12.617	95	157736	46.115	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	92.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	5038	3.550	ug/l	88
3) Chloromethane	2.253	50	5734	3.853	ug/l	90
4) Vinyl Chloride	2.405	62	6811	3.524	ug/l	98
5) Bromomethane	2.814	94	6225	3.607	ug/l #	80
6) Chloroethane	2.972	64	4959	3.643	ug/l	95
7) Trichlorofluoromethane	3.308	101	6271	3.275	ug/l	97
8) Diethyl Ether	3.722	74	5120	3.583	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.100	101	8223	3.812	ug/l	96
10) Methyl Iodide	4.307	142	11443	3.484	ug/l	96
11) Tert butyl alcohol	5.222	59	3067	16.310	ug/l #	69
12) 1,1-Dichloroethene	4.088	96	8494	3.739	ug/l	91
13) Acrolein	3.954	56	1297m	4.487	ug/l	
14) Allyl chloride	4.704	41	10559	3.272	ug/l	90
15) Acrylonitrile	5.417	53	11486	16.532	ug/l #	79
16) Acetone	4.161	43	13157	19.762	ug/l	95
17) Carbon Disulfide	4.423	76	18535	3.262	ug/l	96
18) Methyl Acetate	4.710	43	9087	4.284	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	14227	3.316	ug/l	95
20) Methylene Chloride	4.954	84	13215	4.241	ug/l	98
21) trans-1,2-Dichloroethene	5.453	96	8648	3.408	ug/l	91
22) Diisopropyl ether	6.344	45	23211	3.305	ug/l	96
23) Vinyl Acetate	6.289	43	64407	13.488	ug/l	100
24) 1,1-Dichloroethane	6.246	63	16849	3.664	ug/l	100
25) 2-Butanone	7.197	43	15296	16.213	ug/l	99
26) 2,2-Dichloropropane	7.185	77	8528	3.502	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	10564	3.421	ug/l	99
28) Bromochloromethane	7.526	49	8112	3.854	ug/l	99
29) Tetrahydrofuran	7.563	42	8262	13.781	ug/l	94
30) Chloroform	7.691	83	18010	3.431	ug/l	99
31) Cyclohexane	7.971	56	17270	4.576	ug/l #	80
32) 1,1,1-Trichloroethane	7.892	97	14047	3.665	ug/l	96
36) 1,1-Dichloropropene	8.099	75	11724	3.432	ug/l	97
37) Ethyl Acetate	7.282	43	6131	2.991	ug/l	95
38) Carbon Tetrachloride	8.087	117	12564	3.430	ug/l	97
39) Methylcyclohexane	9.349	83	12983	3.208	ug/l	96
40) Benzene	8.337	78	36269	3.434	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	3096	2.719	ug/l #	85
42) 1,2-Dichloroethane	8.410	62	12583	3.437	ug/l	96
43) Isopropyl Acetate	8.429	43	11488	2.988	ug/l	94
44) Trichloroethene	9.099	130	9809	3.693	ug/l	80
45) 1,2-Dichloropropane	9.374	63	8665	3.404	ug/l	97
46) Dibromomethane	9.465	93	6115	3.425	ug/l	94
47) Bromodichloromethane	9.654	83	13857	3.415	ug/l #	93
48) Methyl methacrylate	9.441	41	5068	2.860	ug/l	94
49) 1,4-Dioxane	9.465	88	1440	66.747	ug/l #	82
51) 4-Methyl-2-Pentanone	10.215	43	32570	15.002	ug/l	94
52) Toluene	10.392	92	23604	3.420	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	10804	3.018	ug/l	100
54) cis-1,3-Dichloropropene	10.081	75	12397	3.035	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	7639	3.290	ug/l	93
56) Ethyl methacrylate	10.648	69	8685	2.926	ug/l #	94
57) 1,3-Dichloropropane	10.934	76	12745	3.278	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.928	63	23464	14.809	ug/l	100
59) 2-Hexanone	10.971	43	21563	14.281	ug/l	92
60) Dibromochloromethane	11.129	129	8017	2.853	ug/l	88
61) 1,2-Dibromoethane	11.239	107	7616	3.335	ug/l	100
64) Tetrachloroethene	10.861	164	8489	3.791	ug/l	95
65) Chlorobenzene	11.660	112	27576	3.561	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	8554	3.355	ug/l	98
67) Ethyl Benzene	11.733	91	42059	3.315	ug/l	98
68) m/p-Xylenes	11.836	106	31031	6.354	ug/l	99
69) o-Xylene	12.166	106	14228	3.080	ug/l	97
70) Styrene	12.178	104	24051	2.954	ug/l	98
71) Bromoform	12.355	173	4703	3.106	ug/l #	95
73) Isopropylbenzene	12.464	105	36232	3.031	ug/l	98
74) N-amyl acetate	12.269	43	9582	2.761	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	9284	3.268	ug/l	99
76) 1,2,3-Trichloropropane	12.769	75	7324m	3.322	ug/l	
77) Bromobenzene	12.745	156	10100	3.313	ug/l	99
78) n-propylbenzene	12.806	91	47713	3.288	ug/l	100
79) 2-Chlorotoluene	12.891	91	28620	3.225	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	30269	2.991	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	2106m	2.572	ug/l	
82) 4-Chlorotoluene	12.989	91	32194	3.389	ug/l	100
83) tert-Butylbenzene	13.202	119	26955	3.141	ug/l	96
84) 1,2,4-Trimethylbenzene	13.251	105	32024	3.058	ug/l	100
85) sec-Butylbenzene	13.379	105	38648	3.016	ug/l	98
86) p-Isopropyltoluene	13.495	119	31779	2.917	ug/l	97
87) 1,3-Dichlorobenzene	13.495	146	19736	3.215	ug/l	94
88) 1,4-Dichlorobenzene	13.574	146	22534	3.663	ug/l	95
89) n-Butylbenzene	13.818	91	33687	3.243	ug/l	94
90) Hexachloroethane	14.092	117	7147	3.586	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	19023	3.501	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	1545	3.078	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	11188	3.222	ug/l	99
94) Hexachlorobutadiene	15.226	225	6268	3.640	ug/l	97
95) Naphthalene	15.360	128	21858	2.782	ug/l	97
96) 1,2,3-Trichlorobenzene	15.549	180	10643	3.296	ug/l	98

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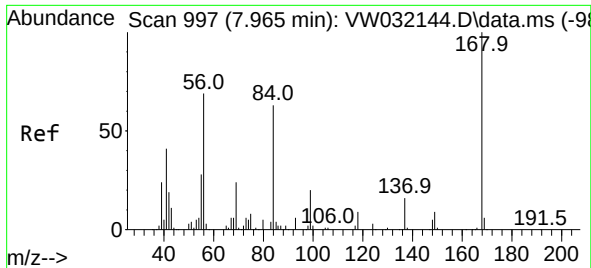
Quant Time: Aug 29 01:38:57 2025
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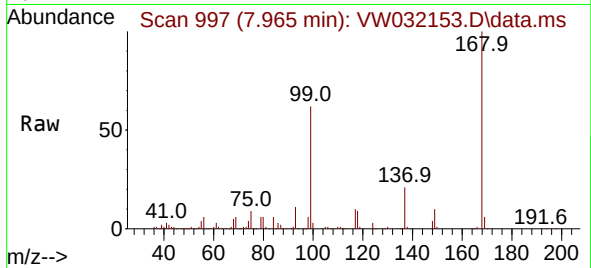
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
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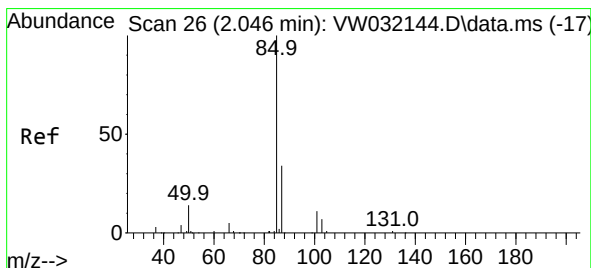
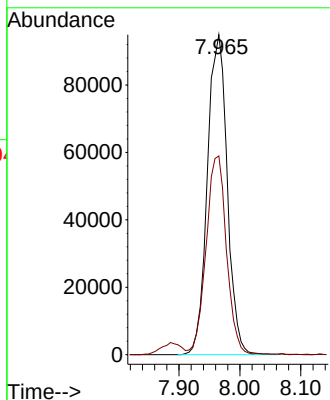
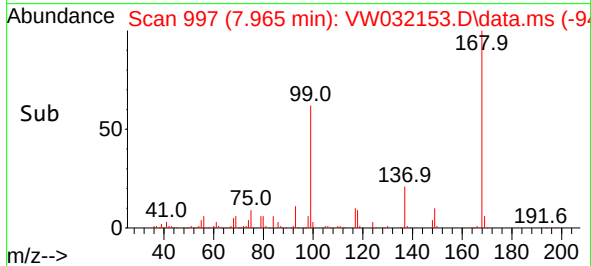
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:168 Resp: 214958
Ion Ratio Lower Upper
168 100
99 61.9 49.3 73.9

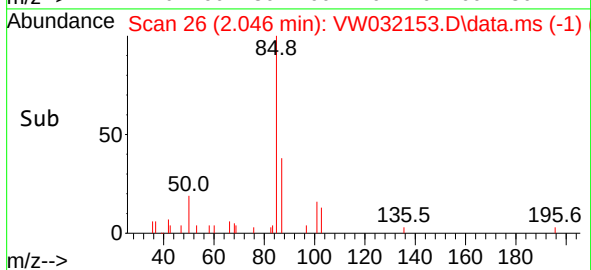
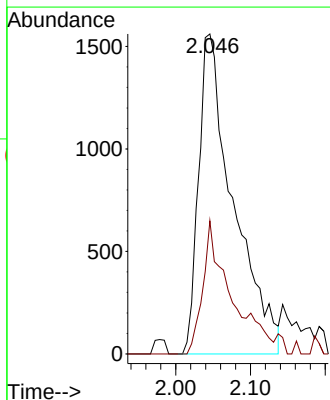
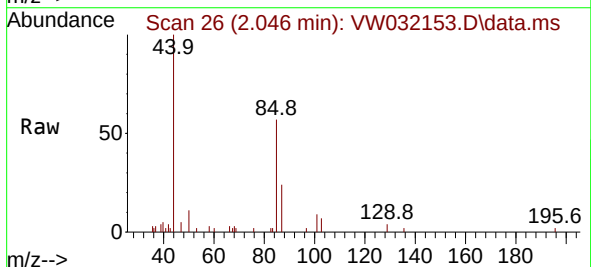
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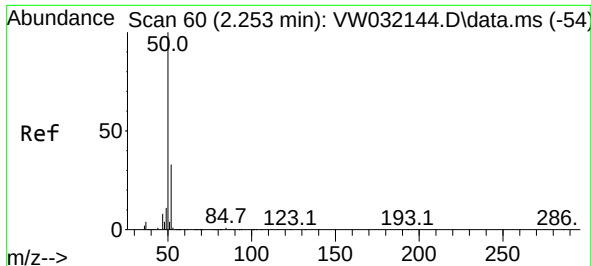
Reviewed By :Semsettin Yesilyurt 08/29/2025
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#2
Dichlorodifluoromethane
Concen: 3.550 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

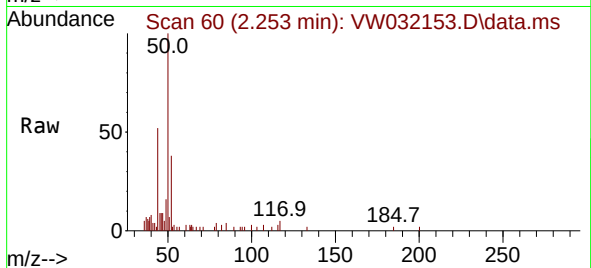
Tgt Ion: 85 Resp: 5038
Ion Ratio Lower Upper
85 100
87 41.6 17.2 51.6





#3
Chloromethane
Concen: 3.853 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

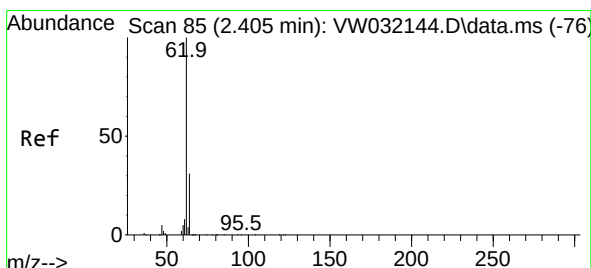
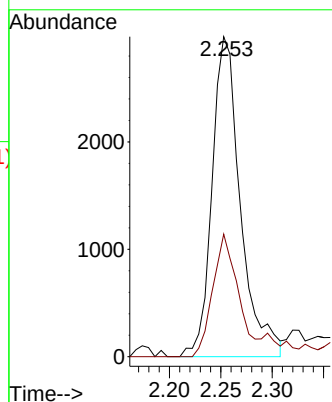
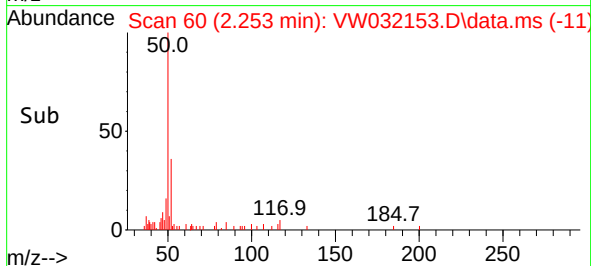
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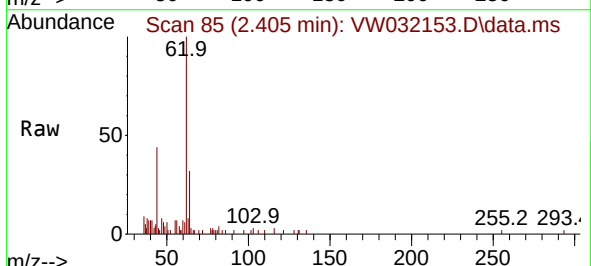
Tgt Ion: 50 Resp: 5734
Ion Ratio Lower Upper
50 100
52 38.3 26.1 39.1

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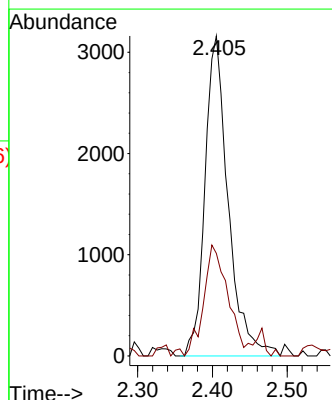
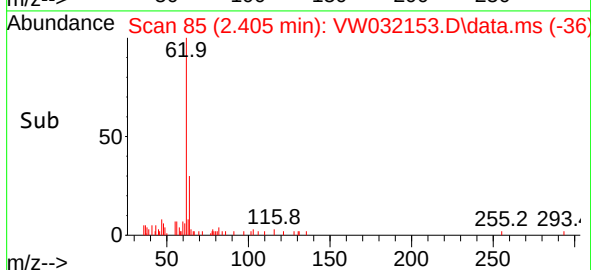
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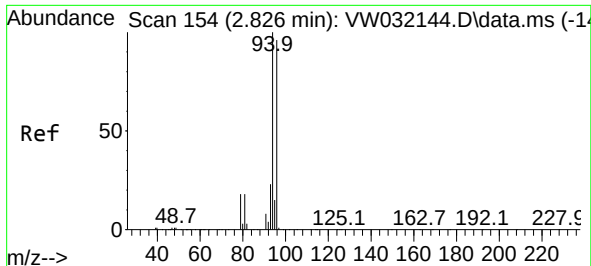


#4
Vinyl Chloride
Concen: 3.524 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36



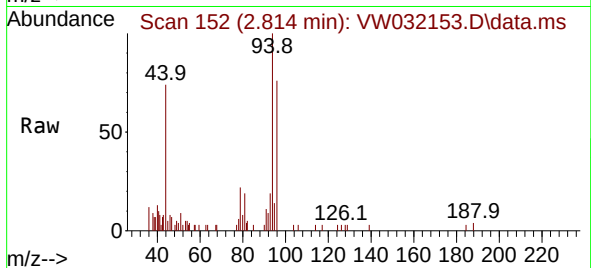
Tgt Ion: 62 Resp: 6811
Ion Ratio Lower Upper
62 100
64 32.0 24.8 37.2





#5
Bromomethane
Concen: 3.607 ug/l
RT: 2.814 min Scan# 154
Delta R.T. -0.012 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

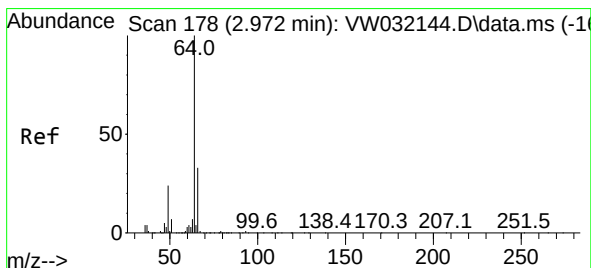
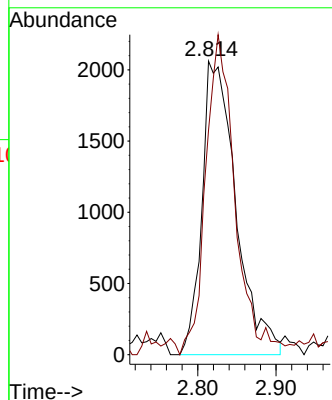
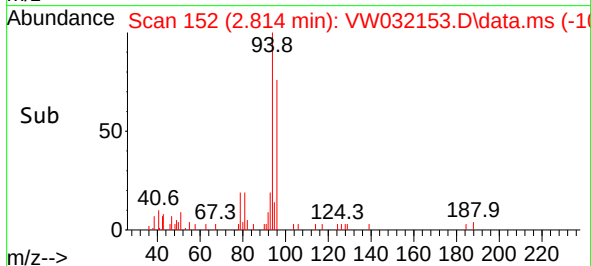
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Tgt Ion: 94 Resp: 6225
Ion Ratio Lower Upper
94 100
96 76.4 76.6 115.0

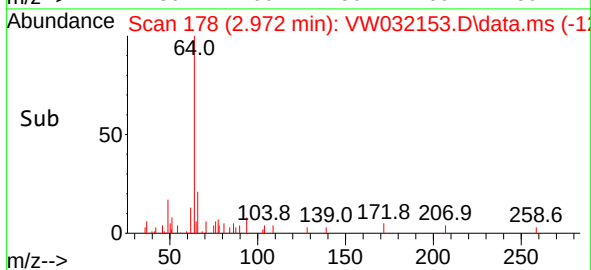
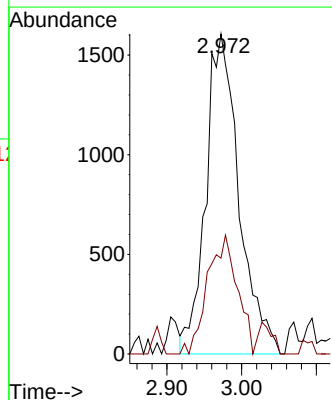
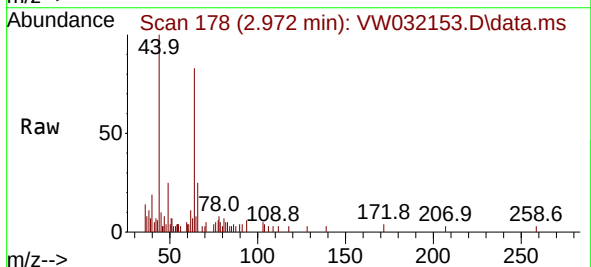
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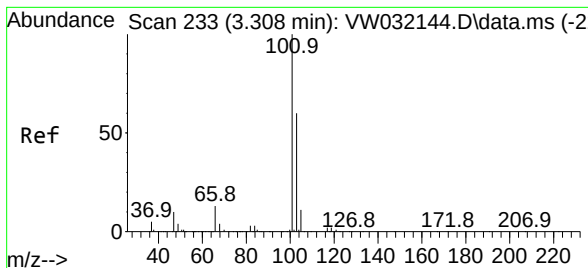
Reviewed By :Semsettin Yesilyurt 08/29/2025
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#6
Chloroethane
Concen: 3.643 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.000 min
Lab File: VW032153.D
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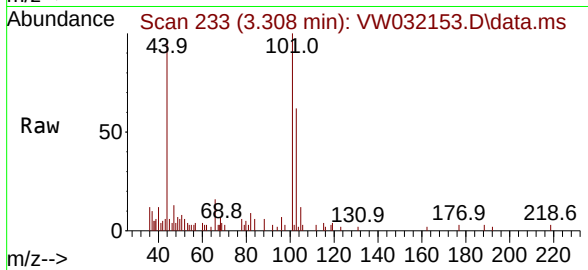
Tgt Ion: 64 Resp: 4959
Ion Ratio Lower Upper
64 100
66 30.0 26.2 39.4





#7
 Trichlorofluoromethane
 Concen: 3.275 ug/l
 RT: 3.308 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW032153.D
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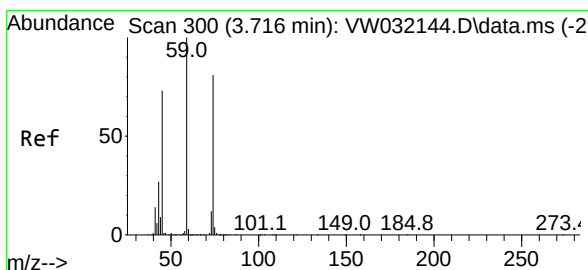
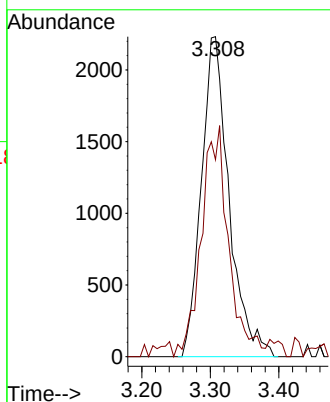
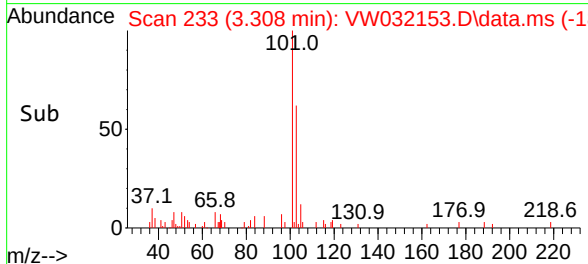
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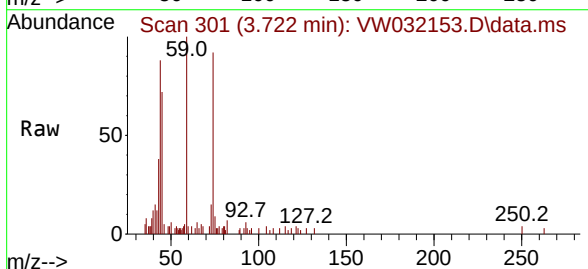
Tgt Ion:101 Resp: 627
 Ion Ratio Lower Upper
 101 100
 103 57.7 47.8 71.8

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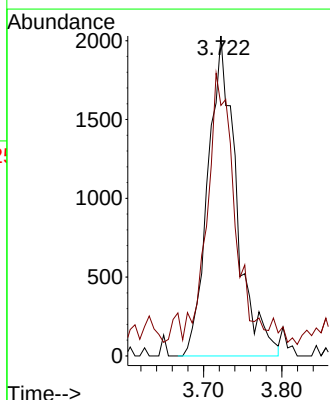
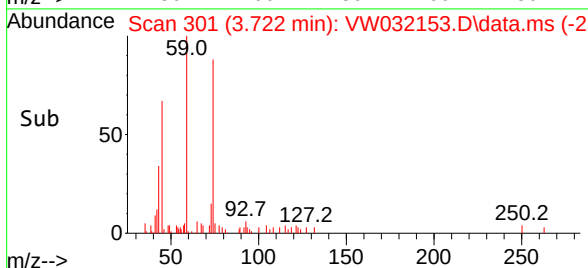
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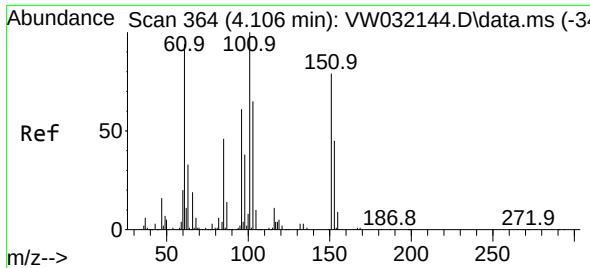


#8
 Diethyl Ether
 Concen: 3.583 ug/l
 RT: 3.722 min Scan# 301
 Delta R.T. 0.006 min
 Lab File: VW032153.D
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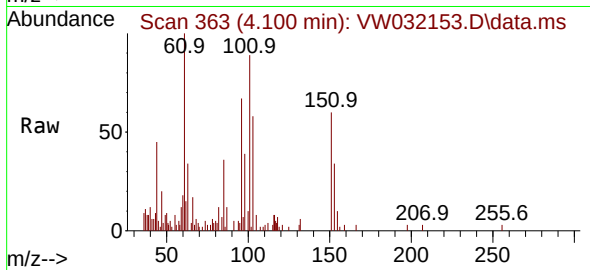
Tgt Ion: 74 Resp: 5120
 Ion Ratio Lower Upper
 74 100
 45 78.1 43.1 129.4





#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.812 ug/l
RT: 4.100 min Scan# 30
Delta R.T. -0.006 min
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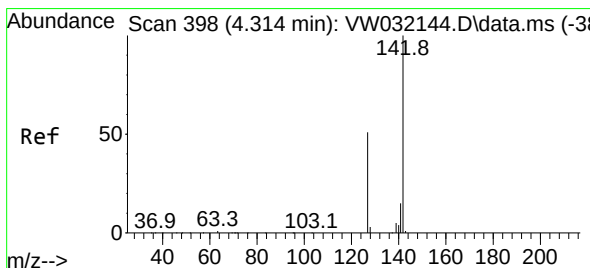
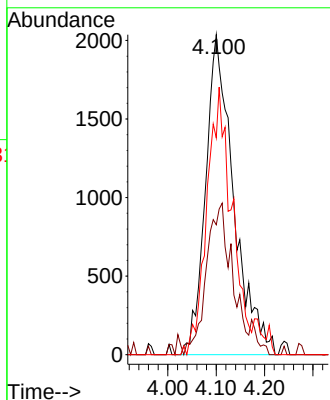
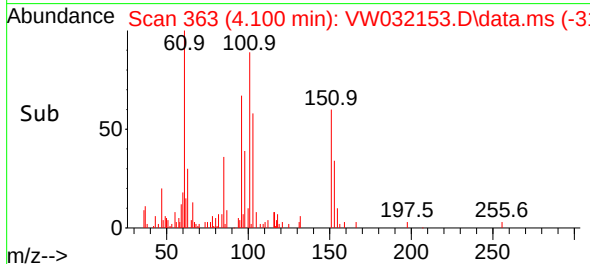
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:101 Resp: 822
Ion Ratio Lower Upper
101 100
85 43.3 37.1 55.7
151 74.0 61.5 92.3

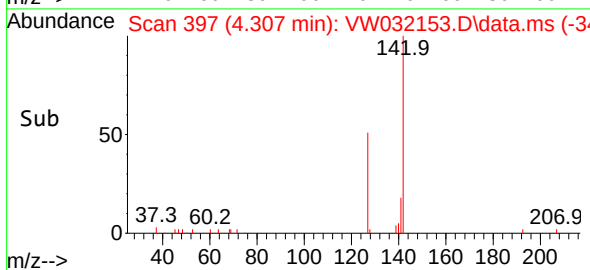
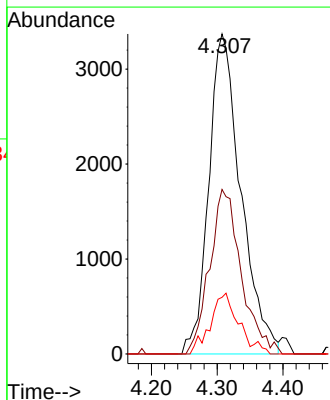
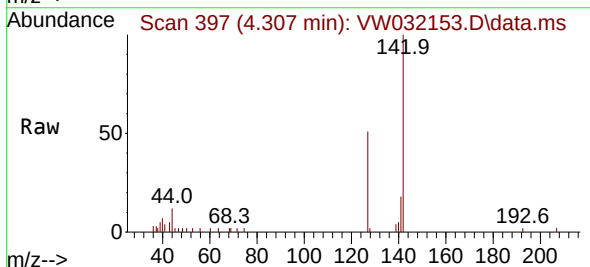
Manual Integrations
APPROVED

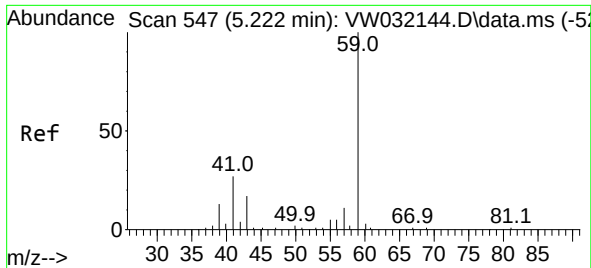
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#10
Methyl Iodide
Concen: 3.484 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

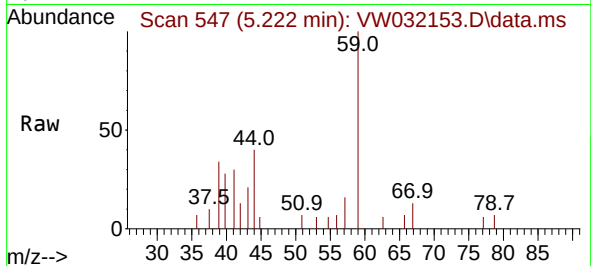
Tgt Ion:142 Resp: 11443
Ion Ratio Lower Upper
142 100
127 50.7 38.2 57.2
141 16.9 12.2 18.2





#11
Tert butyl alcohol
Concen: 16.310 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

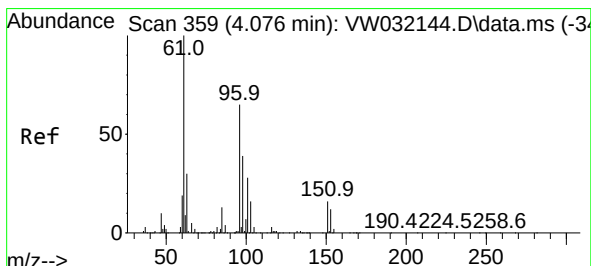
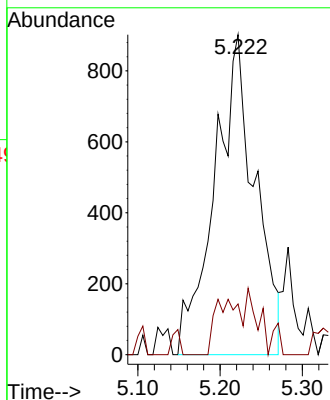
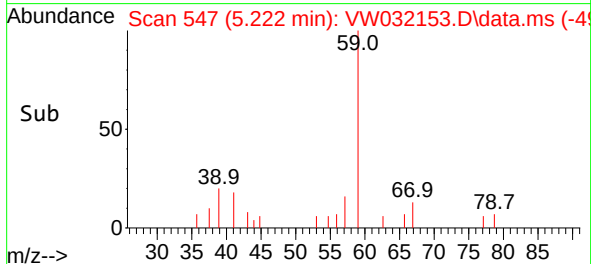
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



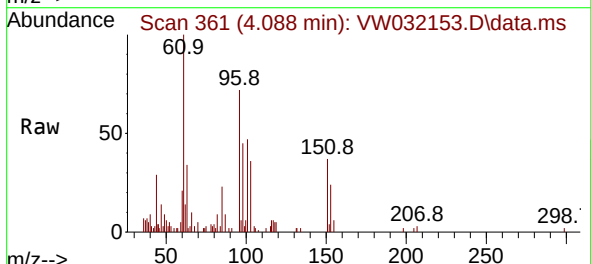
Tgt Ion: 59 Resp: 306
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6

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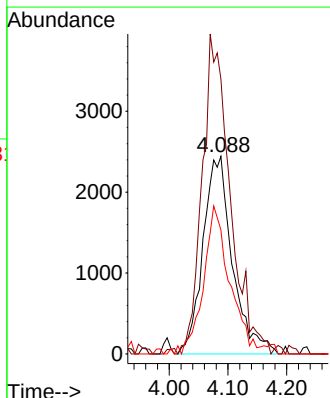
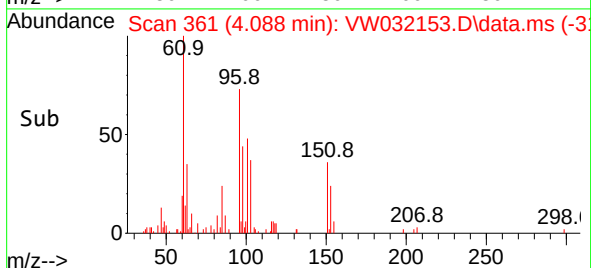
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

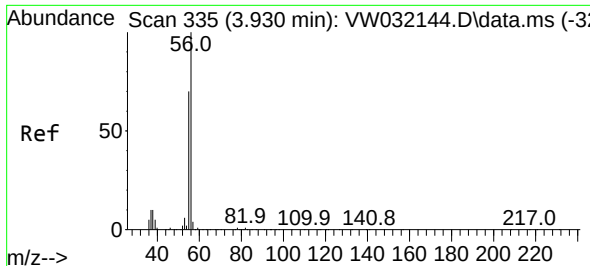


#12
1,1-Dichloroethene
Concen: 3.739 ug/l
RT: 4.088 min Scan# 361
Delta R.T. 0.012 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36



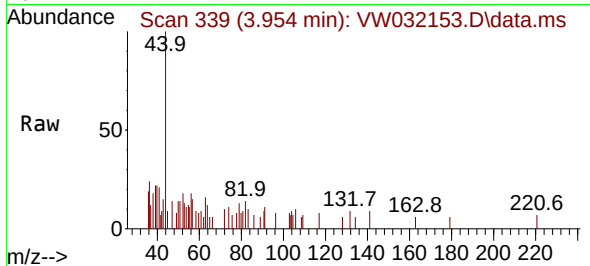
Tgt Ion: 96 Resp: 8494
Ion Ratio Lower Upper
96 100
61 139.2 123.0 184.4
98 62.7 48.5 72.7





#13
Acrolein
Concen: 4.487 ug/l m
RT: 3.954 min Scan# 335
Delta R.T. 0.024 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

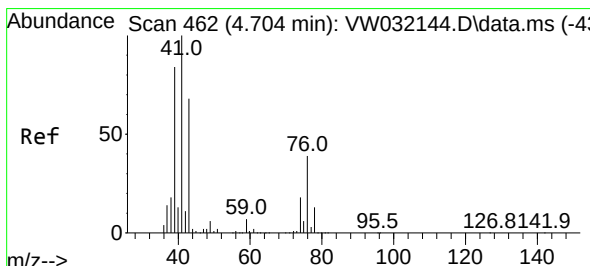
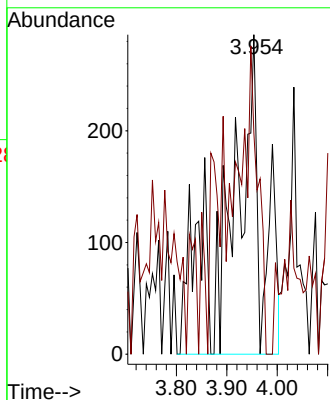
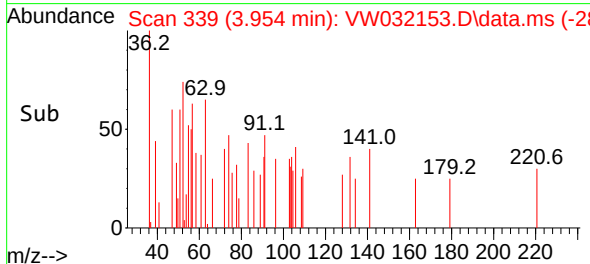
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6

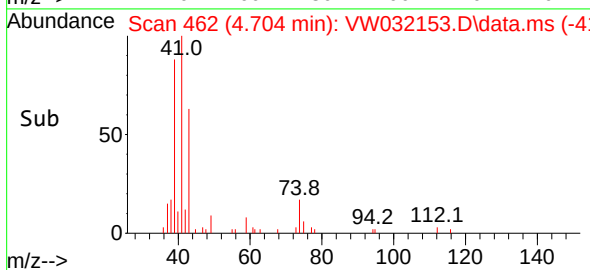
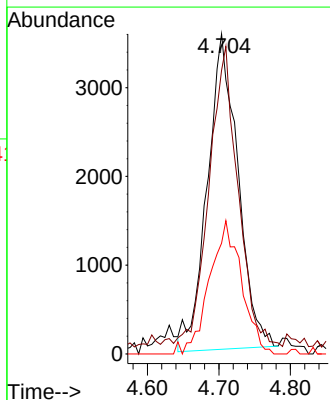
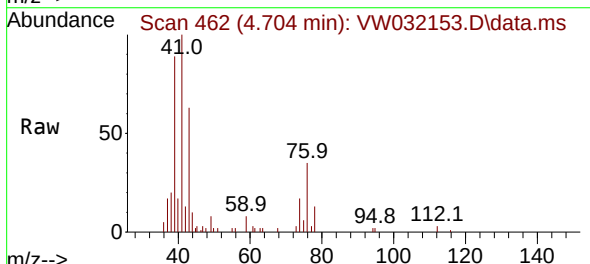
Manual Integrations
APPROVED

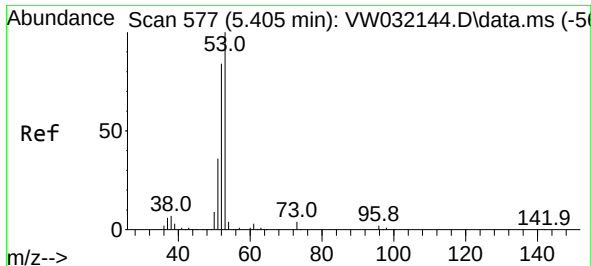
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#14
Allyl chloride
Concen: 3.272 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

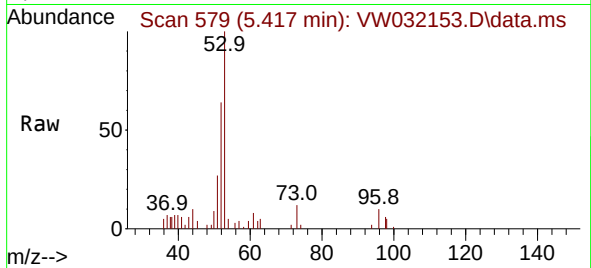
Tgt Ion: 41 Resp: 10559
Ion Ratio Lower Upper
41 100
39 90.0 64.1 96.1
76 44.3 31.4 47.2





#15
Acrylonitrile
Concen: 16.532 ug/l
RT: 5.417 min Scan# 51
Delta R.T. 0.012 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

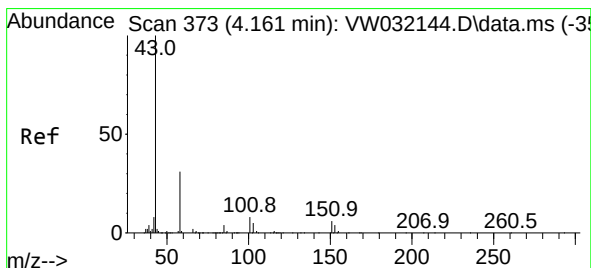
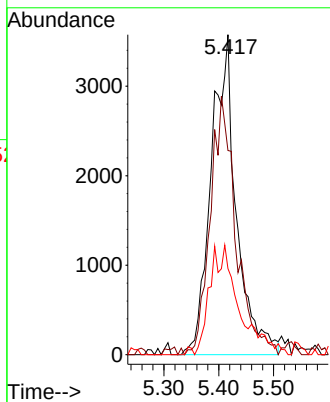
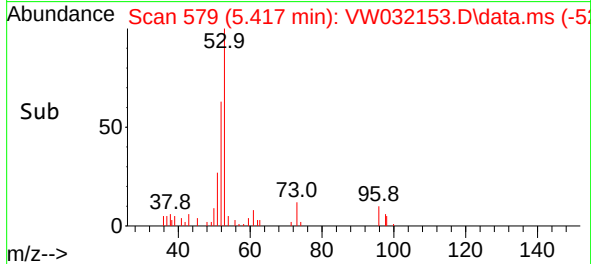
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 53 Resp: 11480
Ion Ratio Lower Upper
53 100
52 81.8 67.4 101.2
51 0.0 30.3 45.5

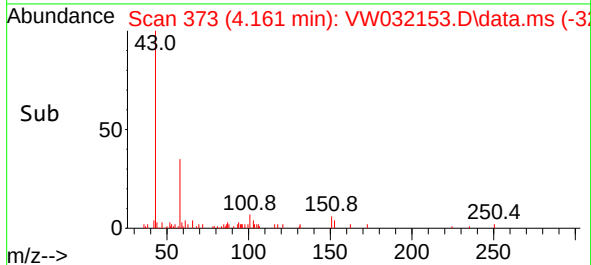
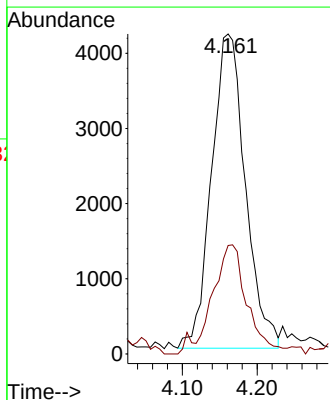
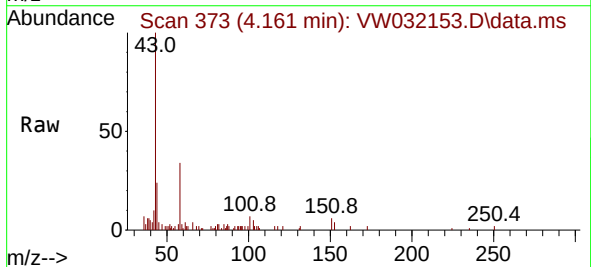
Manual Integrations
APPROVED

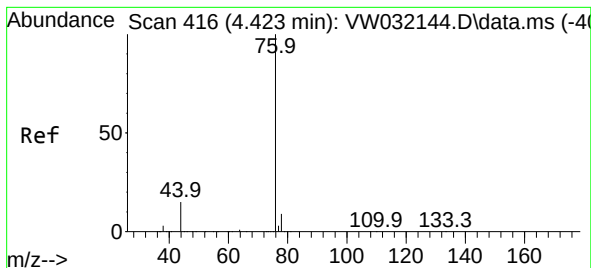
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#16
Acetone
Concen: 19.762 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

Tgt Ion: 43 Resp: 13157
Ion Ratio Lower Upper
43 100
58 34.5 25.3 37.9





#17

Carbon Disulfide

Concen: 3.262 ug/l

RT: 4.423 min Scan# 416

Delta R.T. -0.000 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

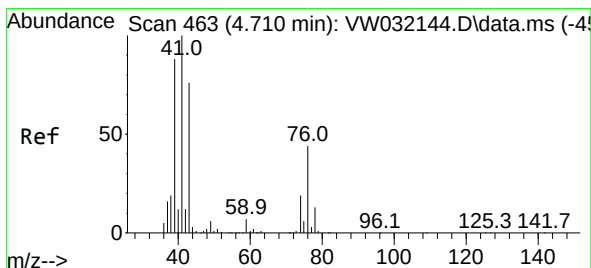
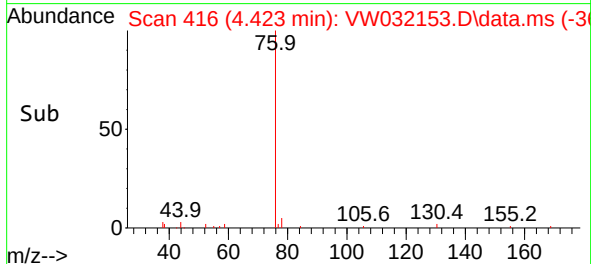
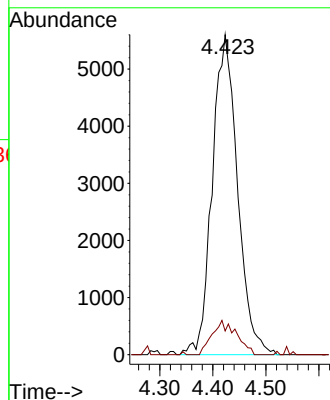
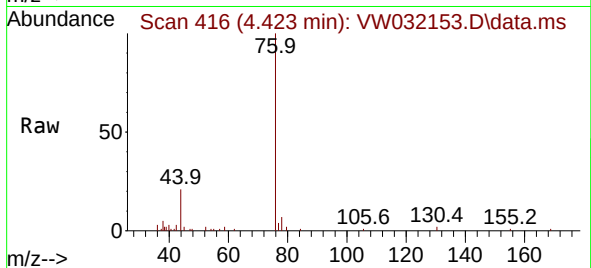
MDL-SOIL-03-QT3-2025

Tgt Ion: 76 Resp: 1853
 Ion Ratio Lower Upper
 76 100
 78 7.4 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: 4.284 ug/l

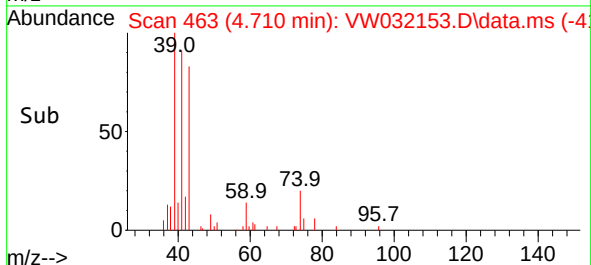
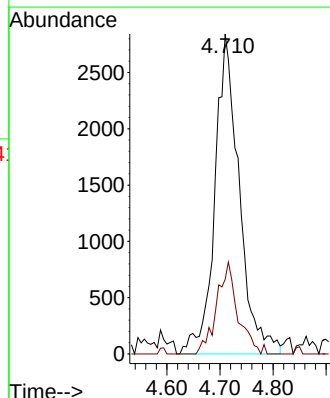
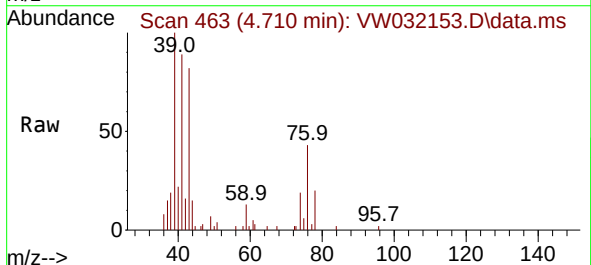
RT: 4.710 min Scan# 463

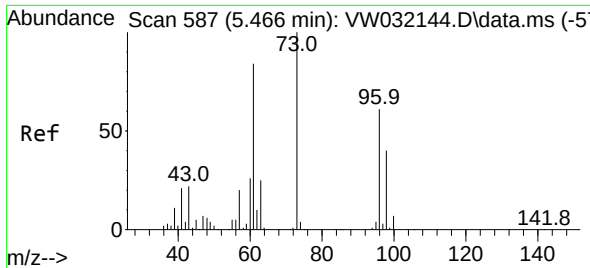
Delta R.T. -0.000 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

Tgt Ion: 43 Resp: 9087
 Ion Ratio Lower Upper
 43 100
 74 24.7 20.2 30.4





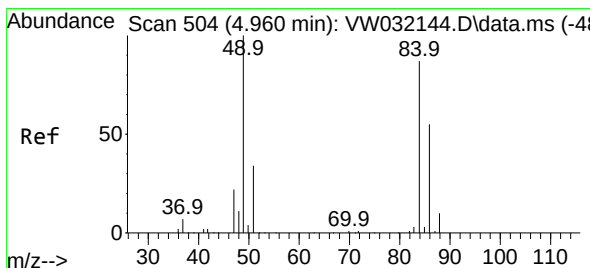
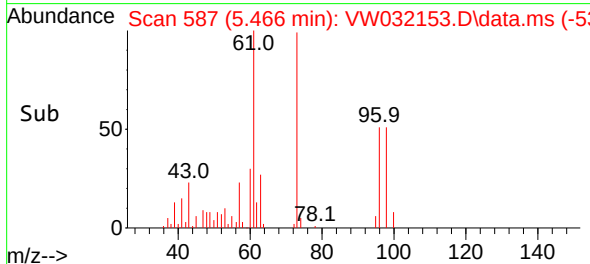
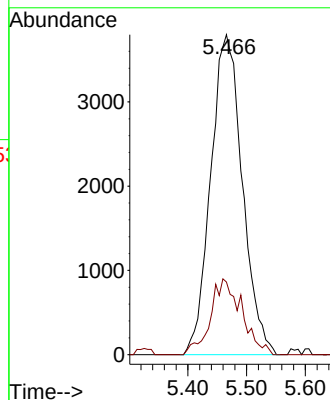
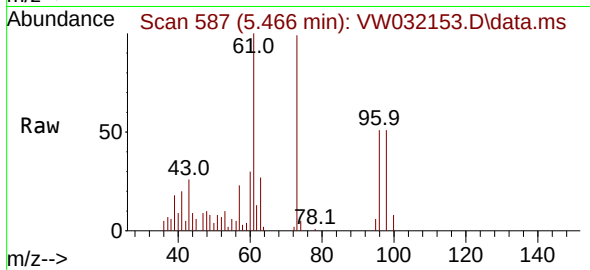
#19
Methyl tert-butyl Ether
Concen: 3.316 ug/l
RT: 5.466 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

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

Tgt Ion: 73 Resp: 1422
Ion Ratio Lower Upper
73 100
57 22.7 16.2 24.4

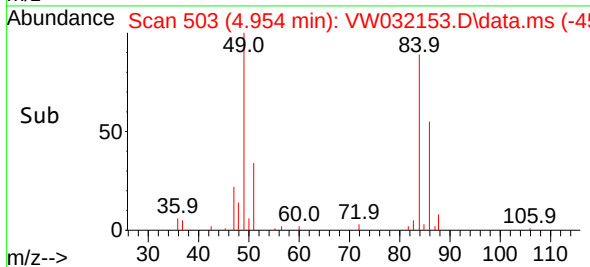
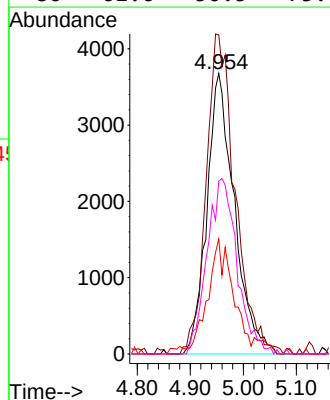
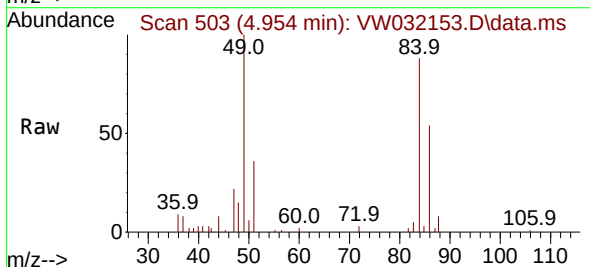
Manual Integrations
APPROVED

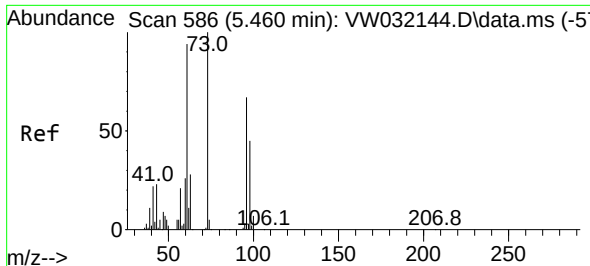
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#20
Methylene Chloride
Concen: 4.241 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

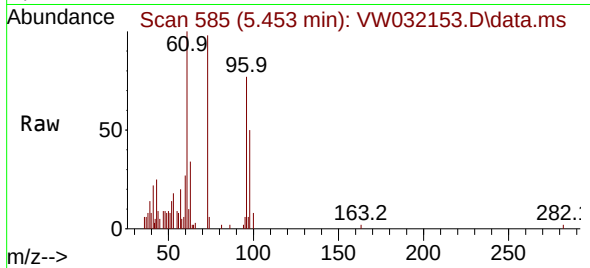
Tgt Ion: 84 Resp: 13215
Ion Ratio Lower Upper
84 100
49 113.8 92.2 138.4
51 41.1 31.0 46.6
86 61.6 50.5 75.7





#21
trans-1,2-Dichloroethene
Concen: 3.408 ug/l
RT: 5.453 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

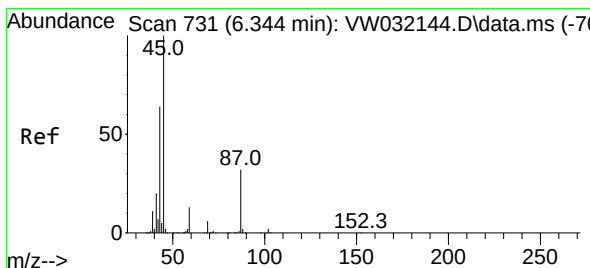
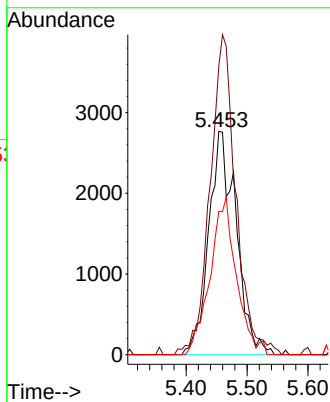
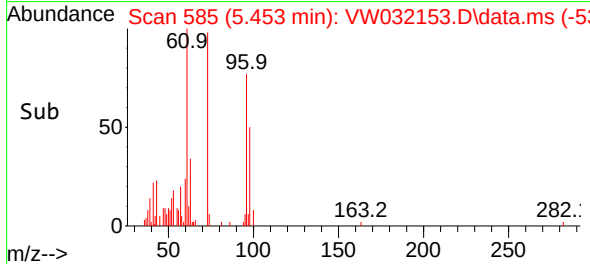
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion: 96 Resp: 864
Ion Ratio Lower Upper
96 100
61 127.3 112.5 168.7
98 64.2 54.2 81.4

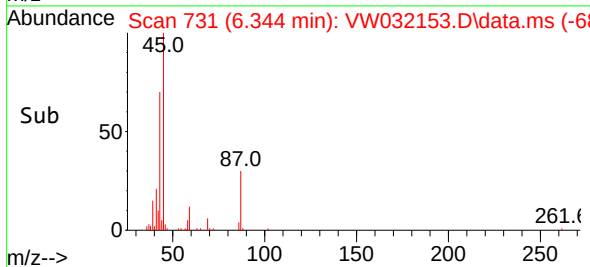
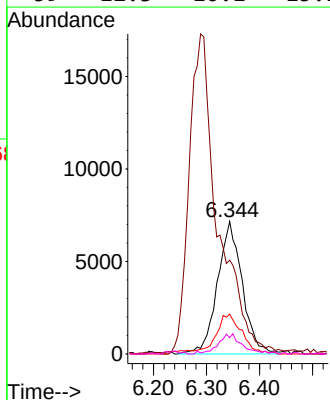
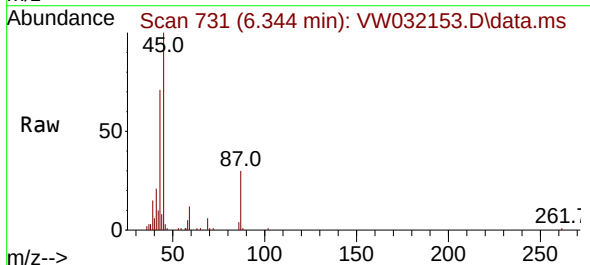
Manual Integrations
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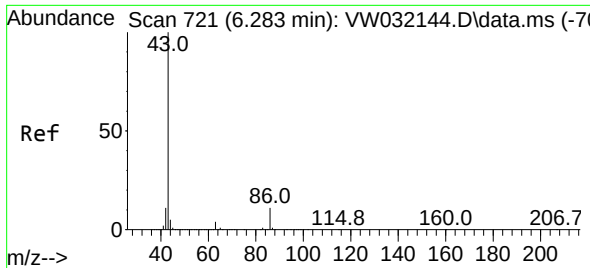
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#22
Diisopropyl ether
Concen: 3.305 ug/l
RT: 6.344 min Scan# 731
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

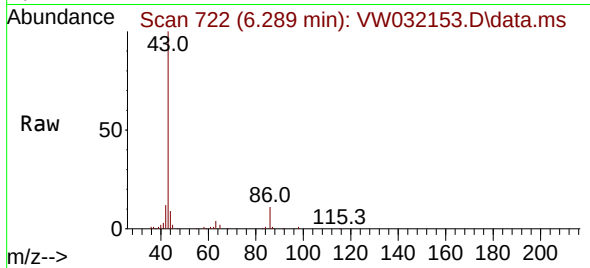
Tgt Ion: 45 Resp: 23211
Ion Ratio Lower Upper
45 100
43 67.4 51.4 77.2
87 30.1 25.9 38.9
59 12.3 10.1 15.1





#23
 Vinyl Acetate
 Concen: 13.488 ug/l
 RT: 6.289 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW032153.D
 Acq: 28 Aug 2025 12:36

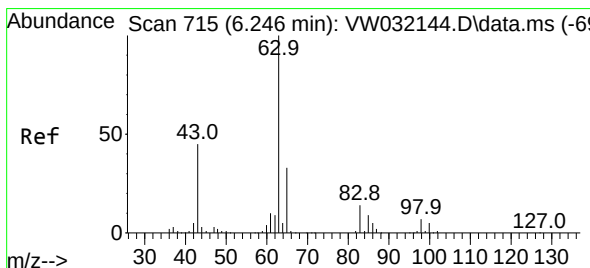
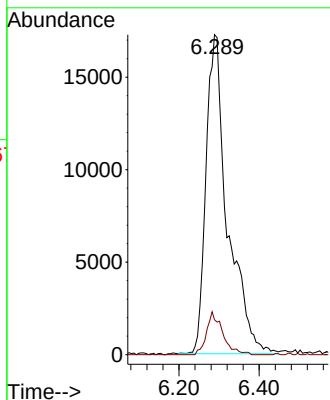
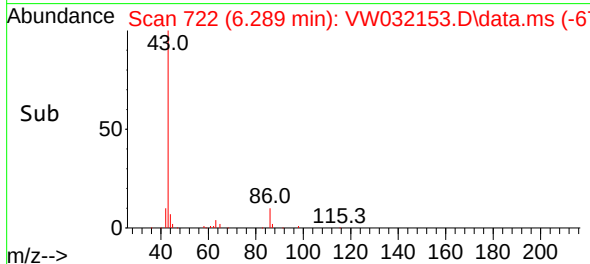
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



Tgt Ion: 43 Resp: 6440
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.8 13.2

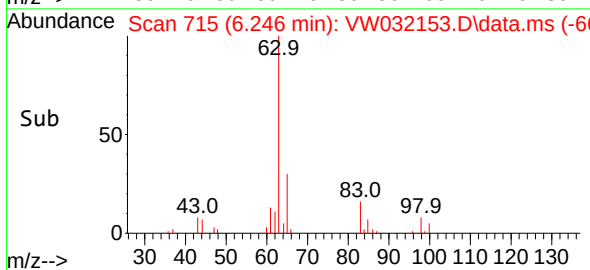
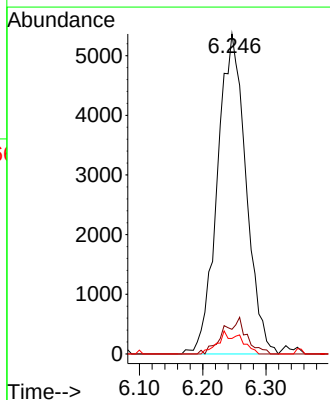
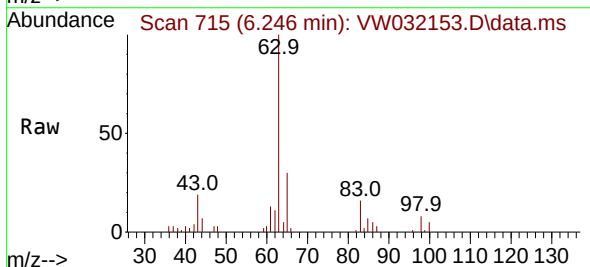
Manual Integrations
 APPROVED

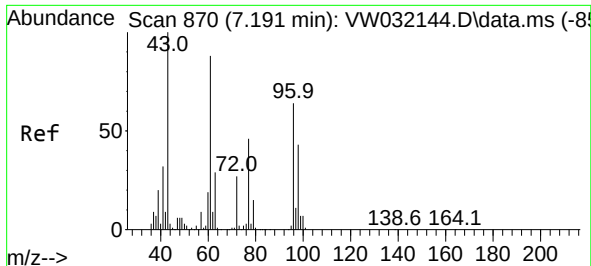
Reviewed By :Semsettin Yesilyurt 08/29/2025
 Supervised By :Mahesh Dadoda 08/29/2025



#24
 1,1-Dichloroethane
 Concen: 3.664 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: VW032153.D
 Acq: 28 Aug 2025 12:36

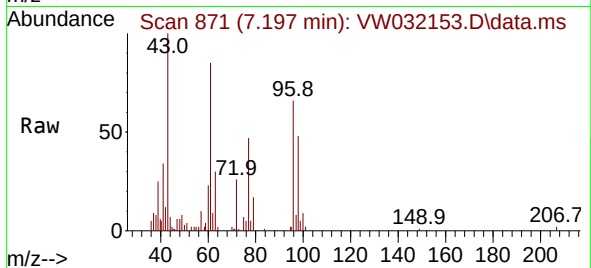
Tgt Ion: 63 Resp: 16849
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.8 11.2
 100 4.8 2.5 7.5





#25
2-Butanone
Concen: 16.213 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

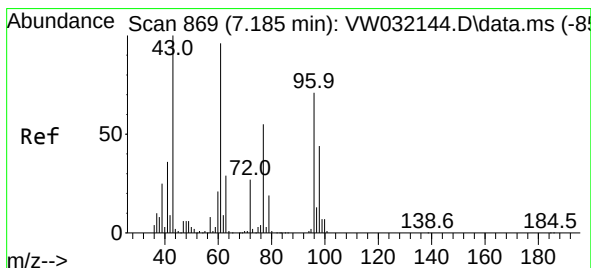
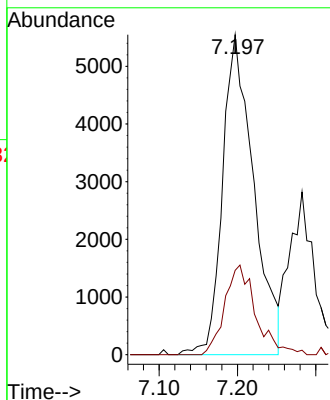
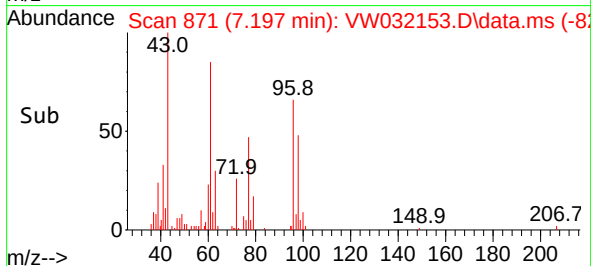
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 43 Resp: 15290
Ion Ratio Lower Upper
43 100
72 26.3 21.4 32.2

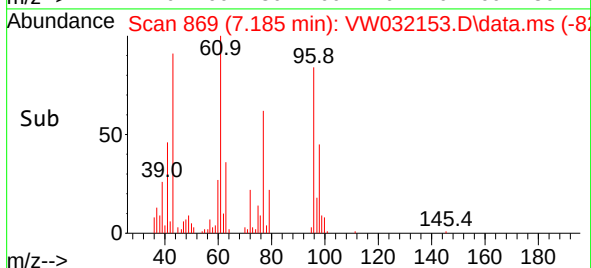
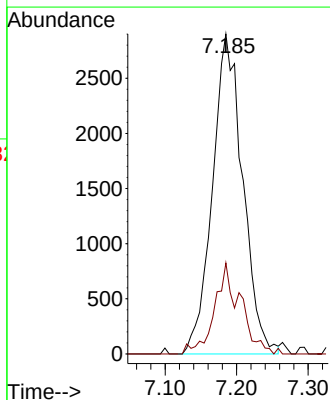
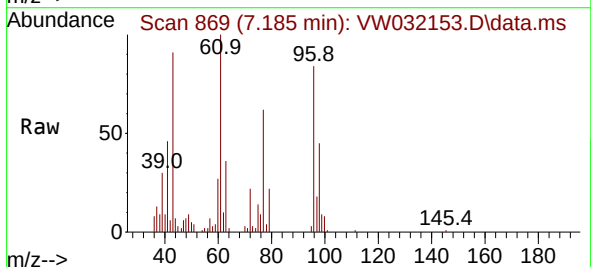
Manual Integrations
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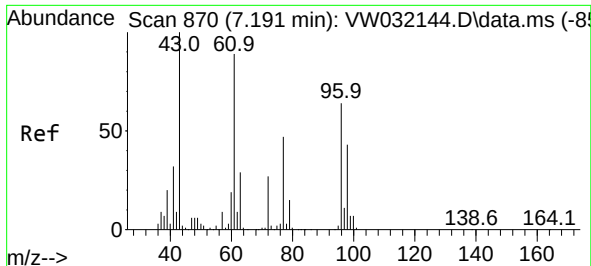
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#26
2,2-Dichloropropane
Concen: 3.502 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

Tgt Ion: 77 Resp: 8528
Ion Ratio Lower Upper
77 100
97 24.5 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 3.421 ug/l

RT: 7.185 min Scan# 80

Delta R.T. -0.006 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

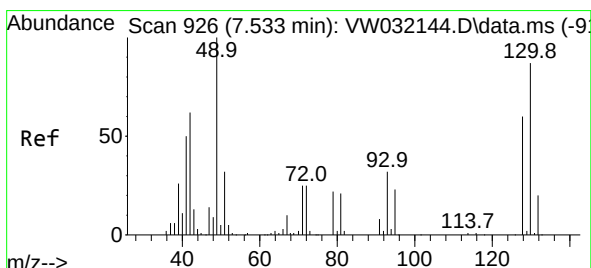
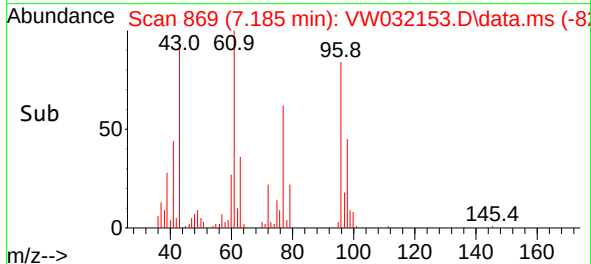
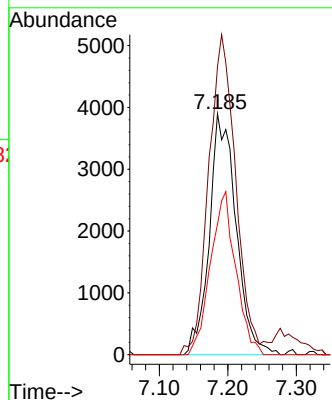
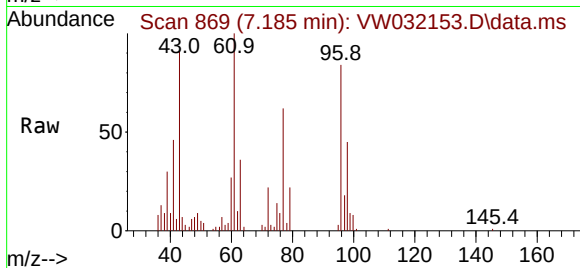
MDL-SOIL-03-QT3-2025

Tgt Ion:	96	Resp:	1056
Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	268.0
98	64.0	0.0	130.8

Manual Integrations

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



#28

Bromochloromethane

Concen: 3.854 ug/l

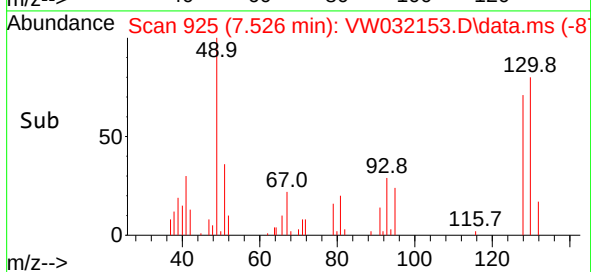
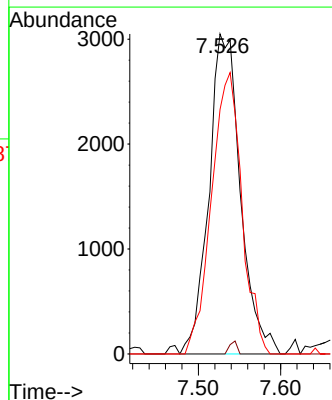
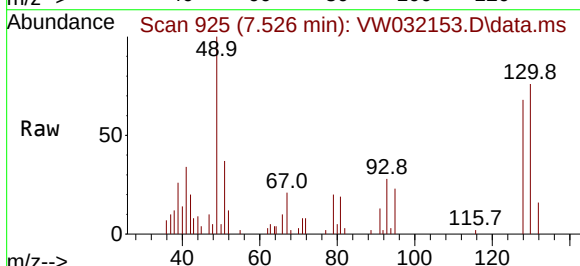
RT: 7.526 min Scan# 925

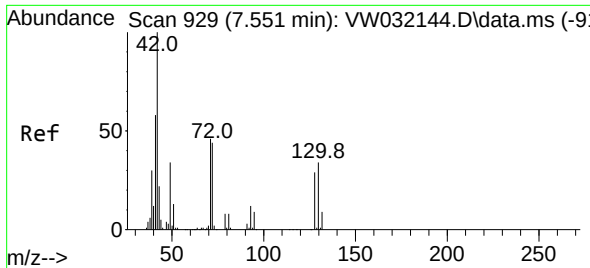
Delta R.T. -0.006 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

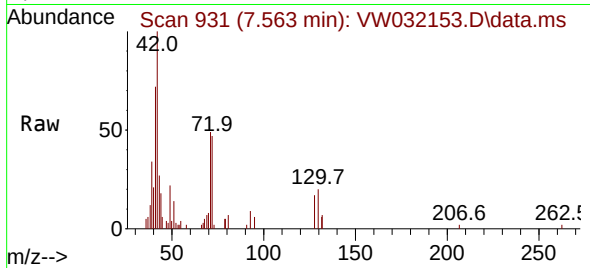
Tgt Ion:	49	Resp:	8112
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.2
130	84.9	67.5	101.3





#29
Tetrahydrofuran
Concen: 13.781 ug/l
RT: 7.563 min Scan# 91
Delta R.T. 0.012 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

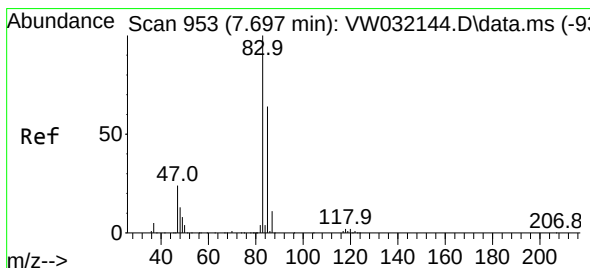
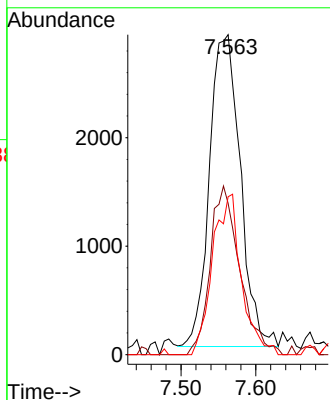
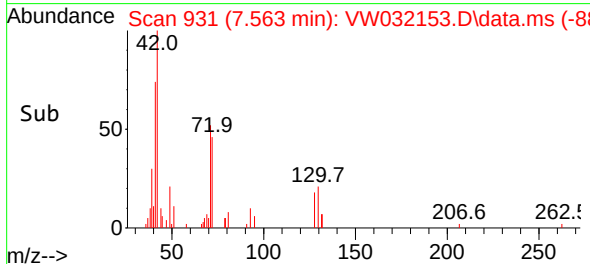
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



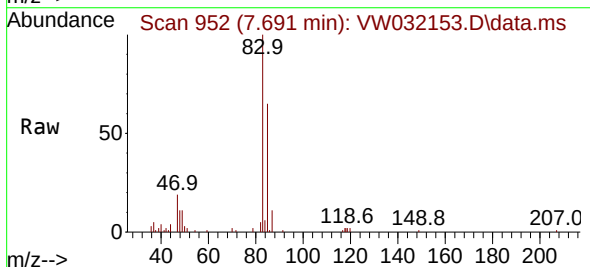
Tgt Ion: 42 Resp: 826
Ion Ratio Lower Upper
42 100
72 51.8 37.4 56.2
71 47.9 36.0 54.0

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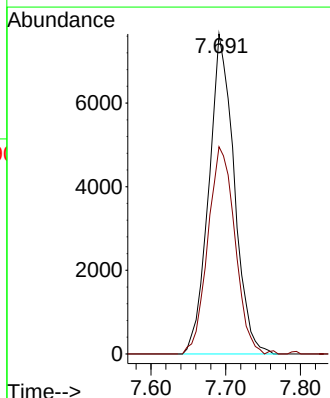
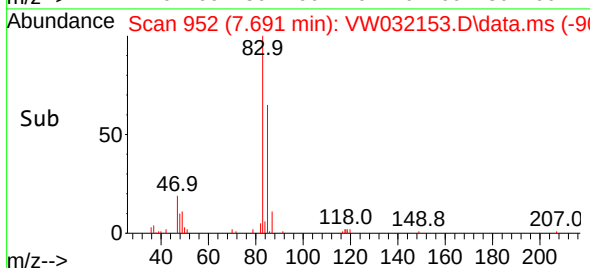
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

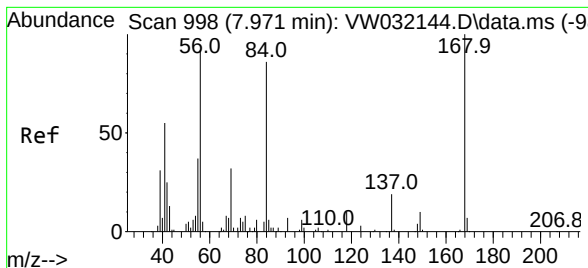


#30
Chloroform
Concen: 3.431 ug/l
RT: 7.691 min Scan# 952
Delta R.T. -0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36



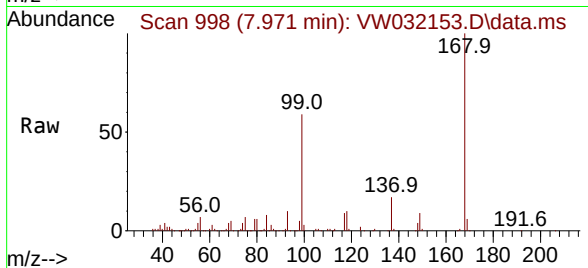
Tgt Ion: 83 Resp: 18010
Ion Ratio Lower Upper
83 100
85 64.7 51.2 76.8





#31
Cyclohexane
Concen: 4.576 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

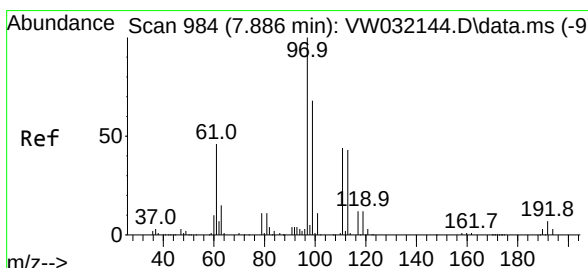
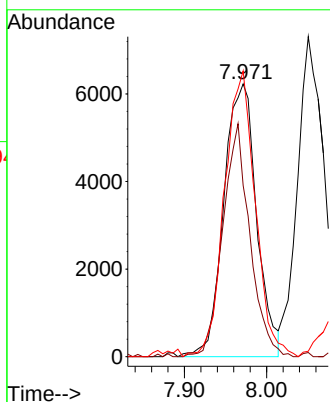
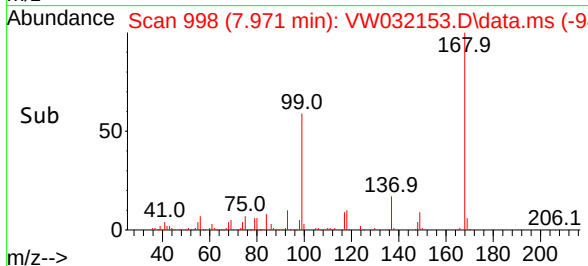
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion: 56 Resp: 17270
Ion Ratio Lower Upper
56 100
69 62.7 27.7 41.5
84 102.0 74.6 112.0

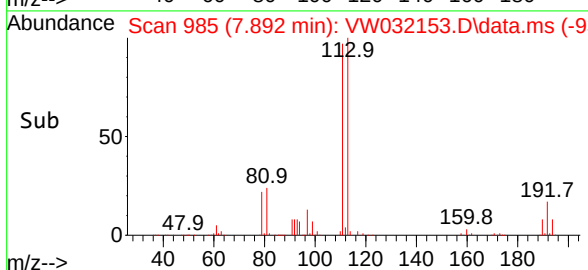
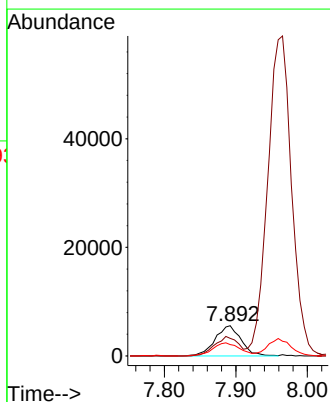
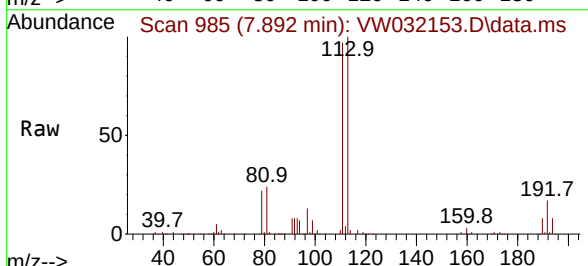
Manual Integrations
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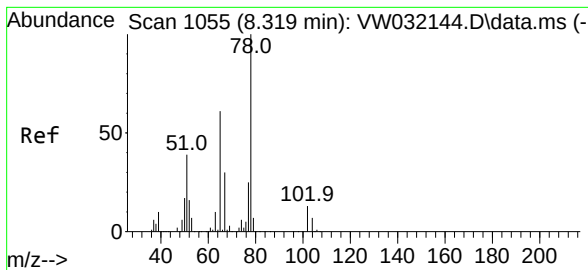
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#32
1,1,1-Trichloroethane
Concen: 3.665 ug/l
RT: 7.892 min Scan# 985
Delta R.T. 0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

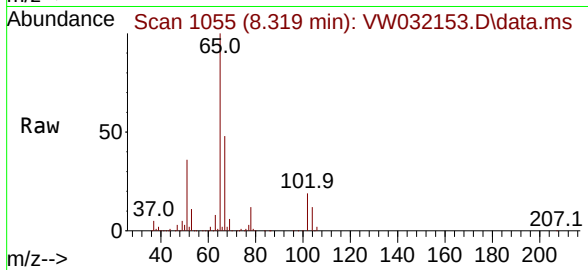
Tgt Ion: 97 Resp: 14047
Ion Ratio Lower Upper
97 100
99 57.8 50.9 76.3
61 45.4 36.2 54.4





#33
 1,2-Dichloroethane-d4
 Concen: 47.380 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032153.D
 Acq: 28 Aug 2025 12:36

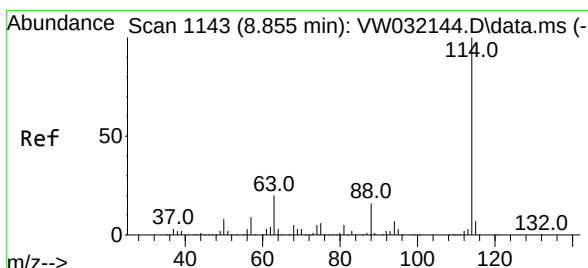
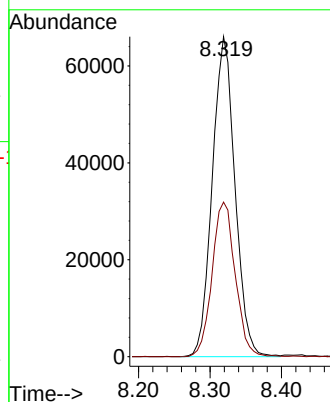
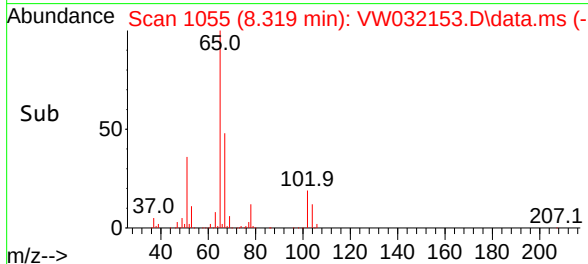
Instrument : MSVOA_W
 ClientSampleId : MDL-SOIL-03-QT3-2025



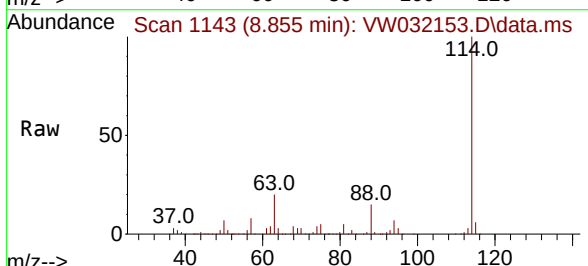
Tgt Ion: 65 Resp: 145654
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 99.6

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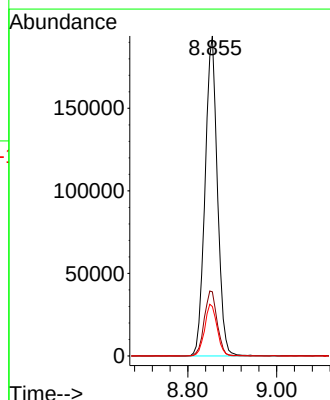
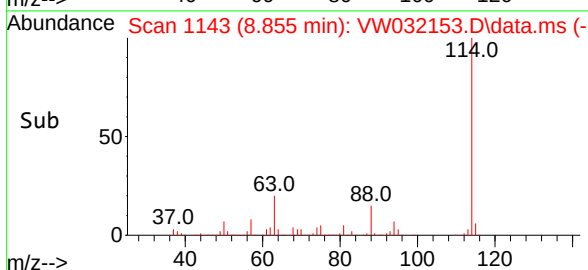
Reviewed By :Semsettin Yesilyurt 08/29/2025
 Supervised By :Mahesh Dadoda 08/29/2025

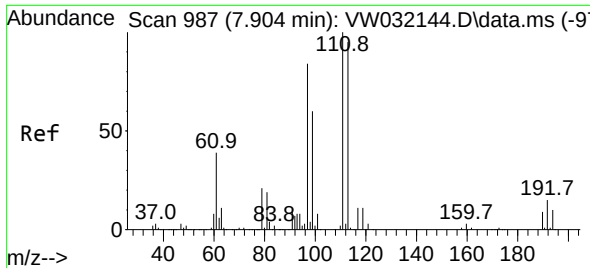


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032153.D
 Acq: 28 Aug 2025 12:36



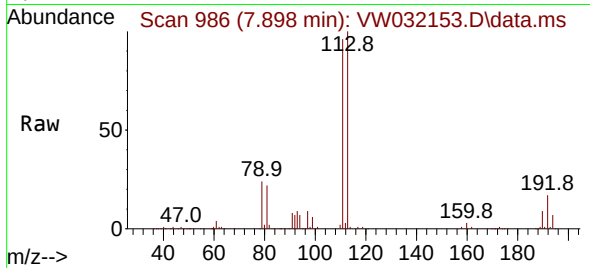
Tgt Ion:114 Resp: 375570
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.4
 88 15.5 0.0 32.0





#35
Dibromofluoromethane
Concen: 45.580 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

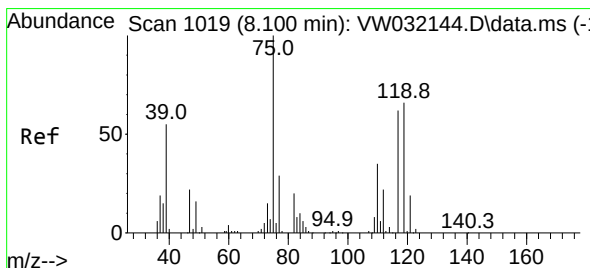
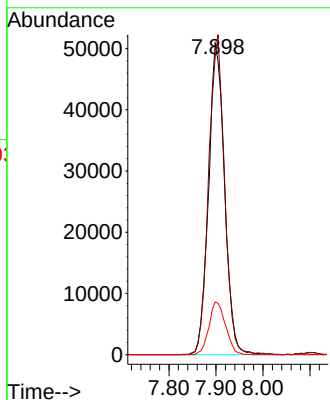
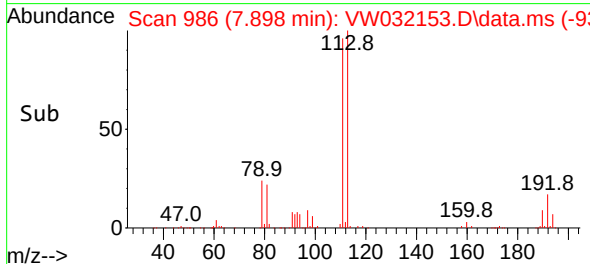
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 113 Resp: 12010
Ion Ratio Lower Upper
113 100
111 101.7 83.9 125.9
192 17.6 14.6 21.8

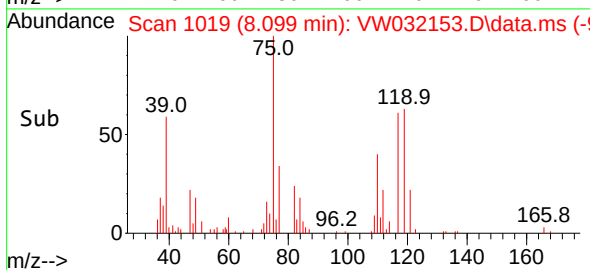
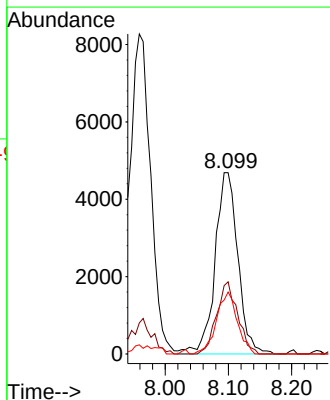
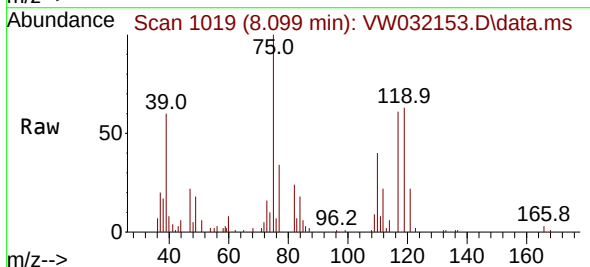
Manual Integrations
APPROVED

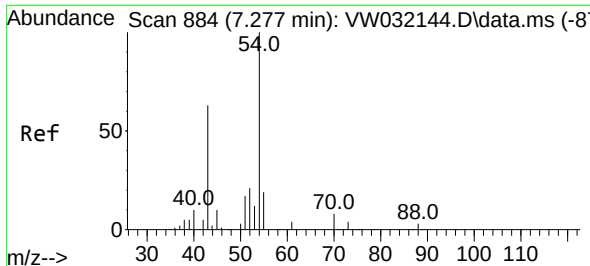
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#36
1,1-Dichloropropene
Concen: 3.432 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

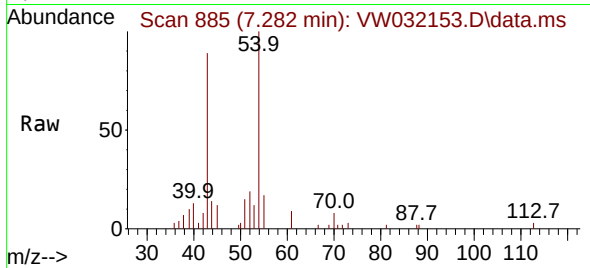
Tgt Ion: 75 Resp: 11724
Ion Ratio Lower Upper
75 100
110 36.6 17.5 52.5
77 31.3 24.1 36.1





#37
Ethyl Acetate
Concen: 2.991 ug/l
RT: 7.282 min Scan# 884
Delta R.T. 0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

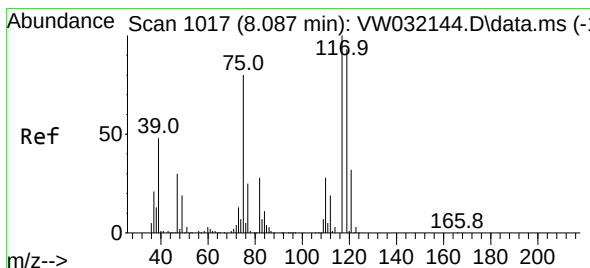
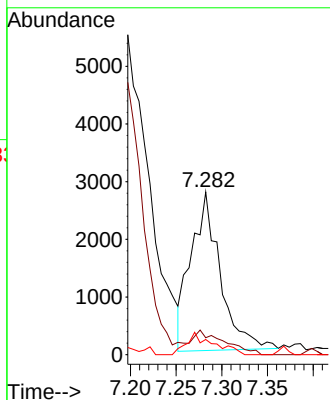
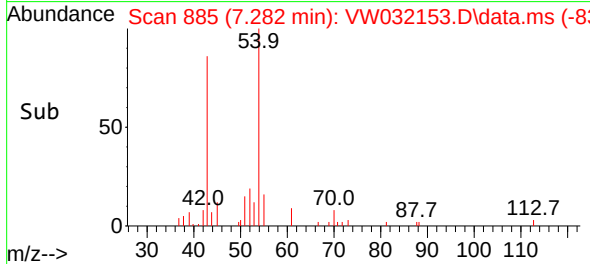
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
61 15.9 11.3 16.9
70 12.9 8.9 13.3

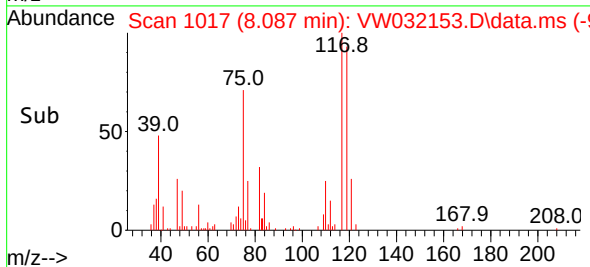
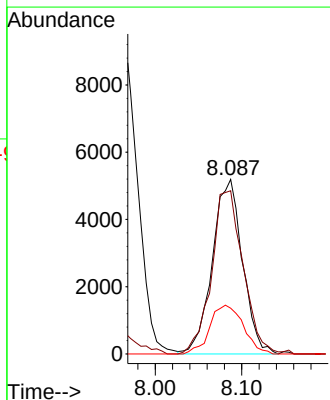
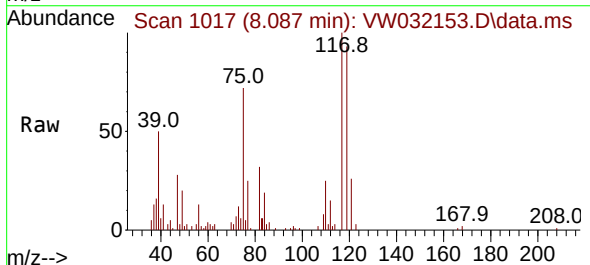
Manual Integrations
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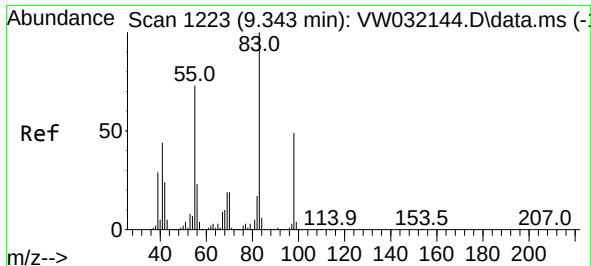
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#38
Carbon Tetrachloride
Concen: 3.430 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

Tgt Ion:117 Resp: 12564
Ion Ratio Lower Upper
117 100
119 93.5 74.2 111.2
121 26.2 25.6 38.4





#39

Methylcyclohexane

Concen: 3.208 ug/l

RT: 9.349 min Scan# 1224

Delta R.T. 0.006 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

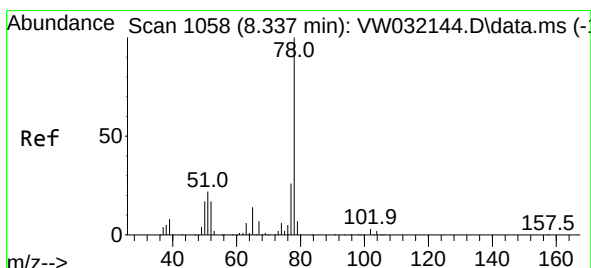
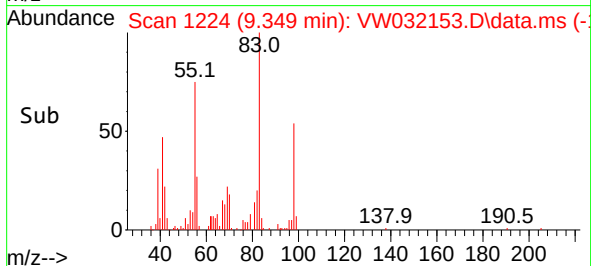
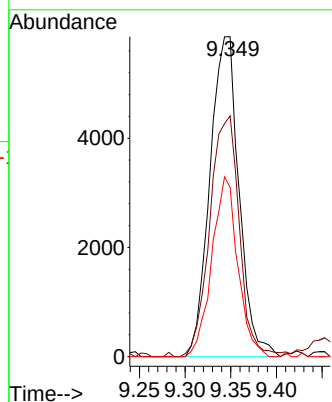
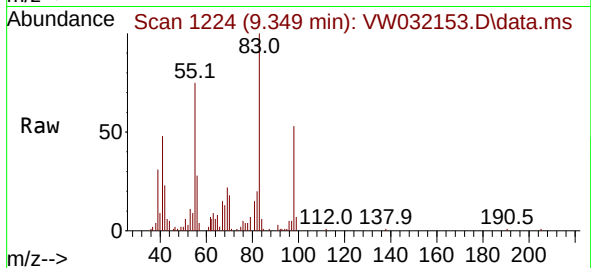
MDL-SOIL-03-QT3-2025

Tgt Ion:	83	Resp:	1298
Ion Ratio	Lower	Upper	
83	100		
55	75.3	58.4	87.6
98	52.9	39.4	59.2

Manual Integrations

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



#40

Benzene

Concen: 3.434 ug/l

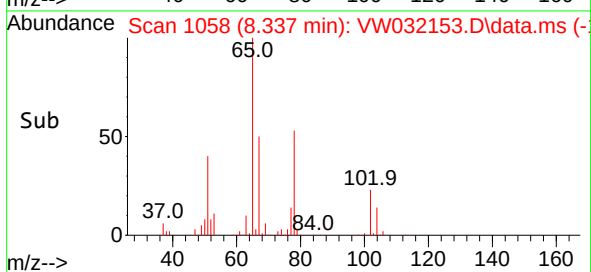
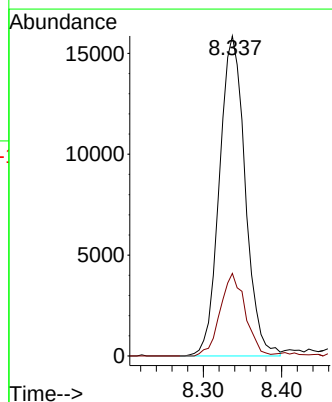
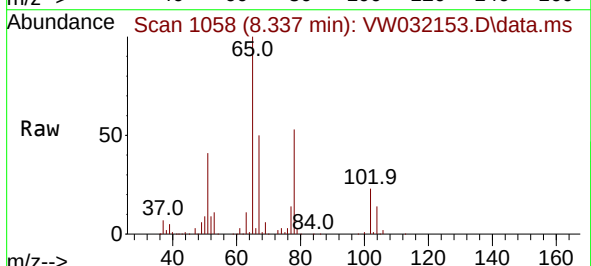
RT: 8.337 min Scan# 1058

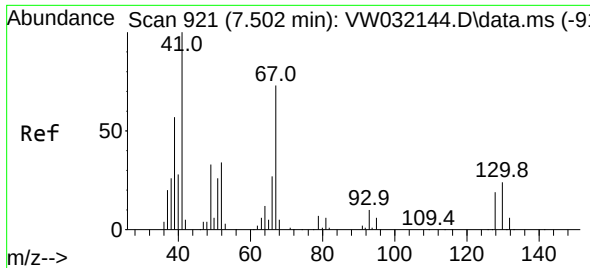
Delta R.T. -0.000 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

Tgt Ion:	78	Resp:	36269
Ion Ratio	Lower	Upper	
78	100		
77	25.8	20.7	31.1





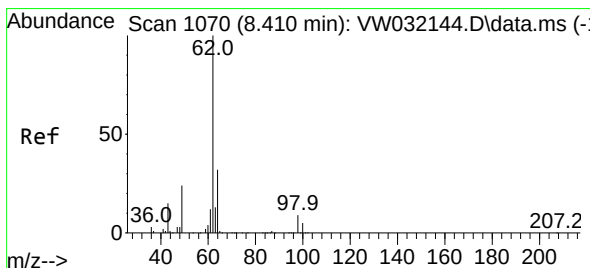
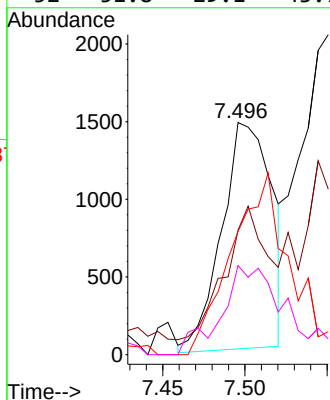
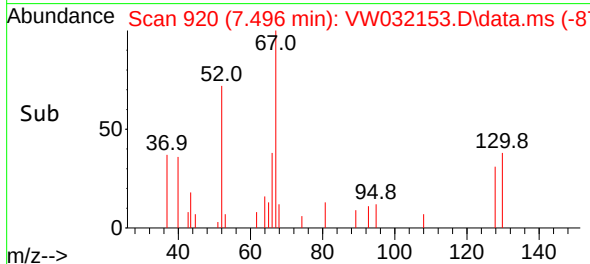
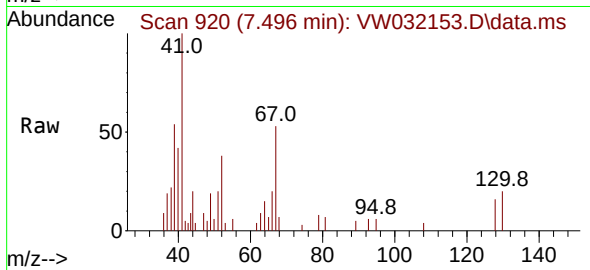
#41
Methacrylonitrile
Concen: 2.719 ug/l
RT: 7.496 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

Instrument : MSVOA_W
Client Sample Id : MDL-SOIL-03-QT3-2025

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.1	50.9	76.3
67	96.0	65.6	98.4
52	51.8	29.1	43.7

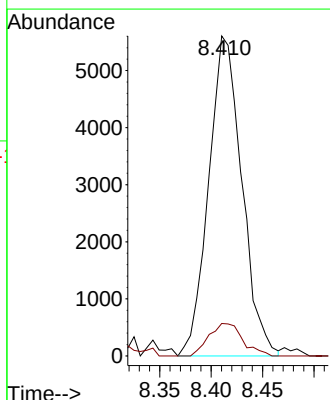
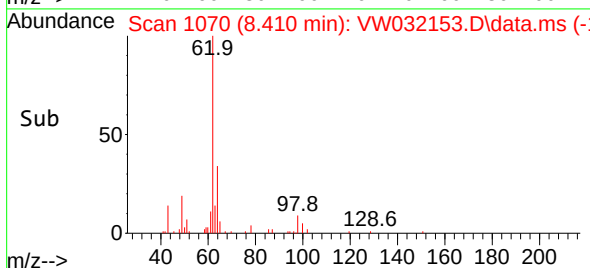
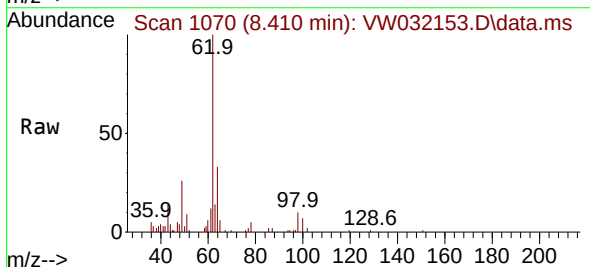
Manual Integrations
APPROVED

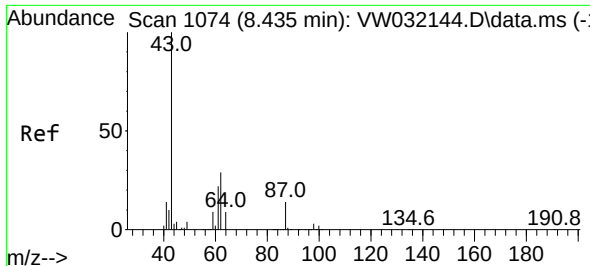
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#42
1,2-Dichloroethane
Concen: 3.437 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

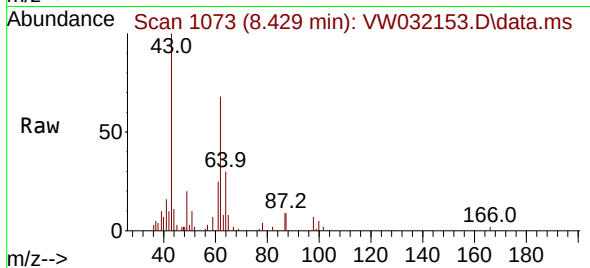
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	18.0





#43
Isopropyl Acetate
Concen: 2.988 ug/l
RT: 8.429 min Scan# 1148
Delta R.T. -0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

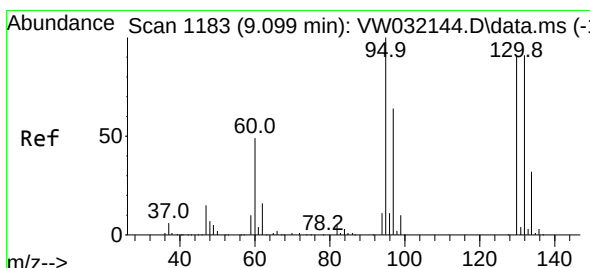
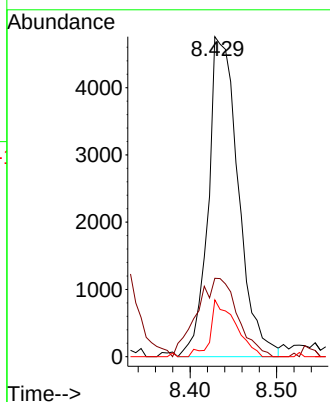
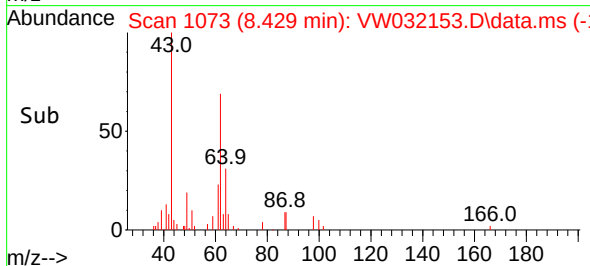
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion: 43 Resp: 1148
Ion Ratio Lower Upper
43 100
61 33.2 23.3 34.9
87 14.7 11.1 16.7

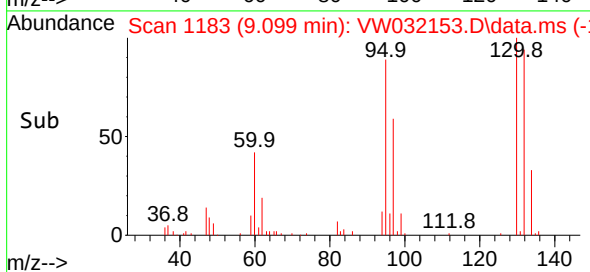
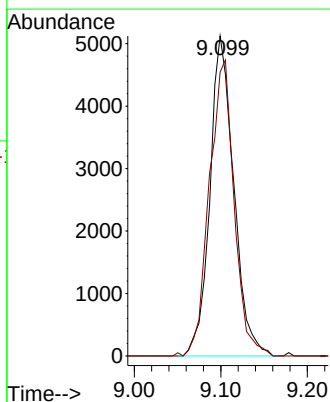
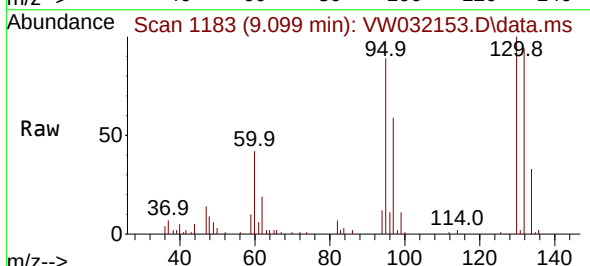
Manual Integrations
APPROVED

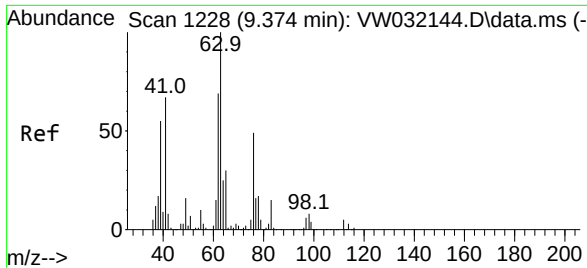
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#44
Trichloroethene
Concen: 3.693 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

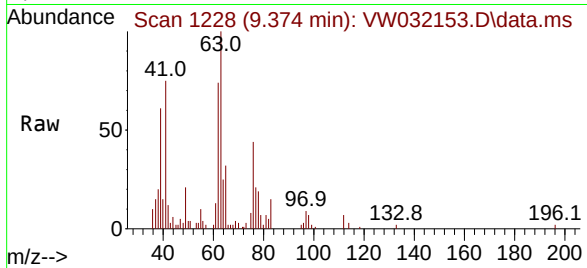
Tgt Ion:130 Resp: 9809
Ion Ratio Lower Upper
130 100
95 88.7 0.0 220.0





#45
1,2-Dichloropropane
Concen: 3.404 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

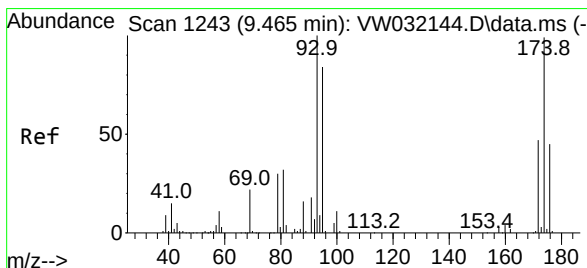
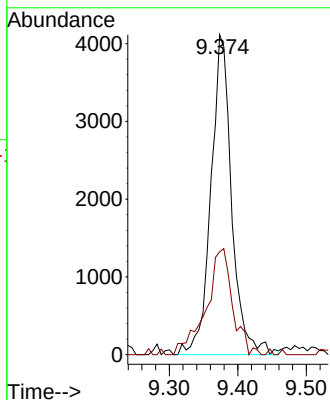
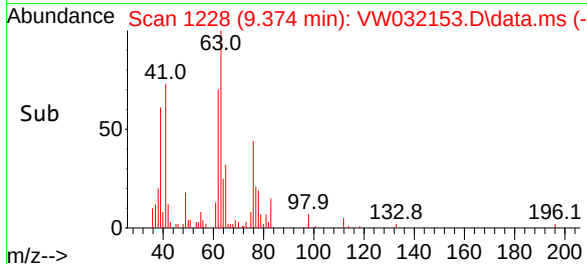
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion: 63 Resp: 866
Ion Ratio Lower Upper
63 100
65 32.2 24.3 36.5

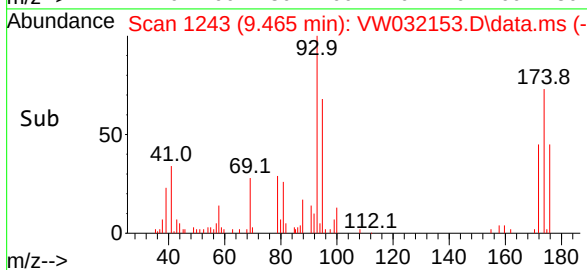
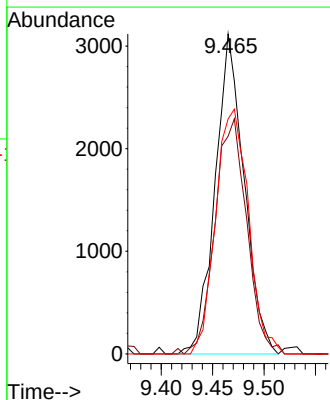
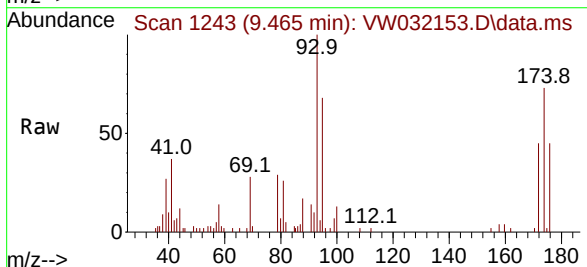
Manual Integrations
APPROVED

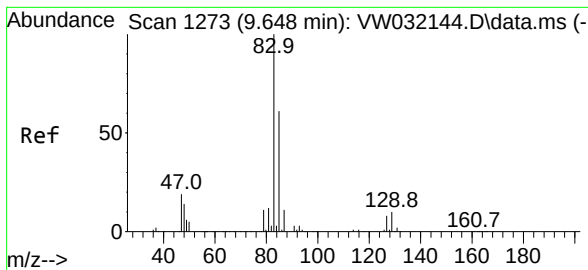
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#46
Dibromomethane
Concen: 3.425 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

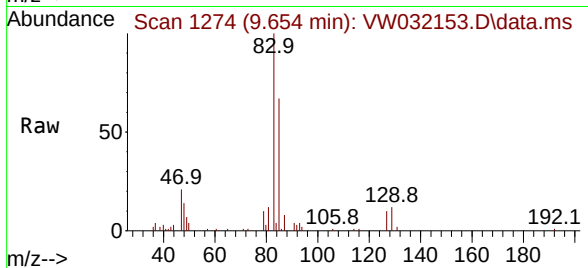
Tgt Ion: 93 Resp: 6115
Ion Ratio Lower Upper
93 100
95 80.4 67.4 101.2
174 86.4 75.7 113.5





#47
Bromodichloromethane
Concen: 3.415 ug/l
RT: 9.654 min Scan# 1274
Delta R.T. 0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

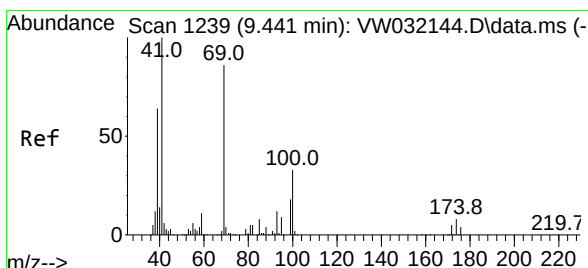
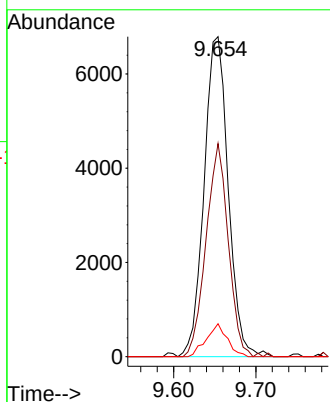
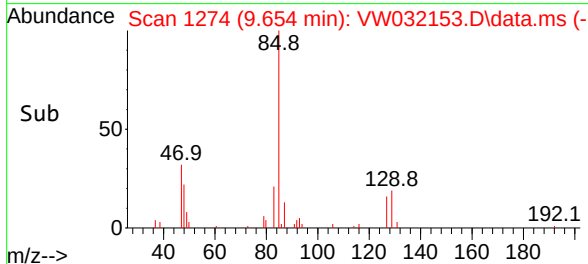
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 83 Resp: 1385
Ion Ratio Lower Upper
83 100
85 66.6 48.7 73.1
127 10.3 6.4 9.6

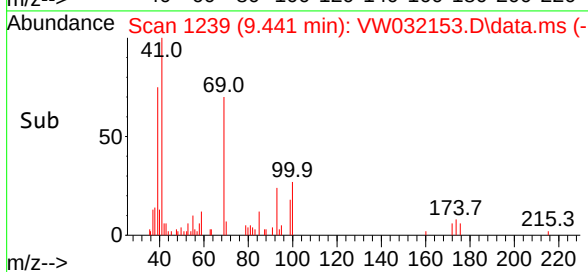
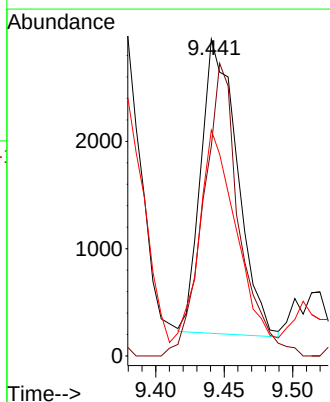
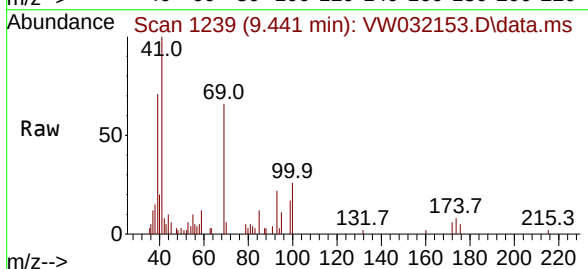
Manual Integrations
APPROVED

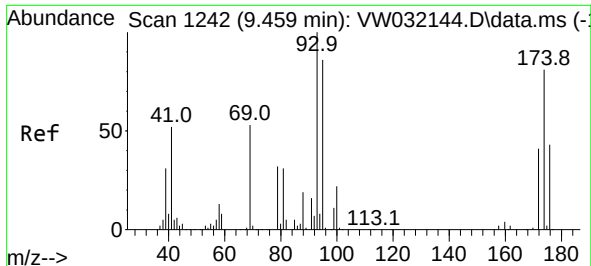
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#48
Methyl methacrylate
Concen: 2.860 ug/l
RT: 9.441 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

Tgt Ion: 41 Resp: 5068
Ion Ratio Lower Upper
41 100
69 98.3 71.5 107.3
39 71.7 55.9 83.9





#49

1,4-Dioxane

Concen: 66.747 ug/l

RT: 9.465 min Scan# 1242

Delta R.T. 0.006 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025

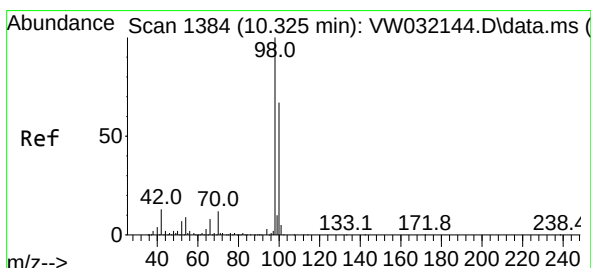
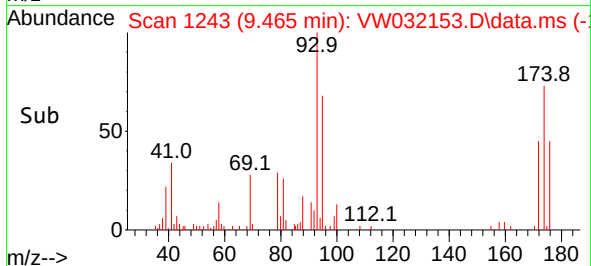
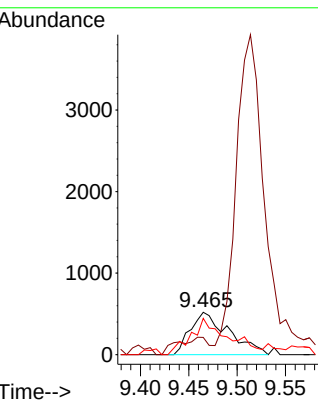
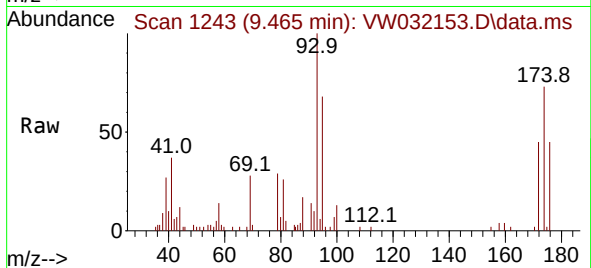
Tgt Ion: 88 Resp: 1440

Ion	Ratio	Lower	Upper
88	100		
43	34.4	18.0	27.0
58	82.0	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: 46.800 ug/l

RT: 10.331 min Scan# 1385

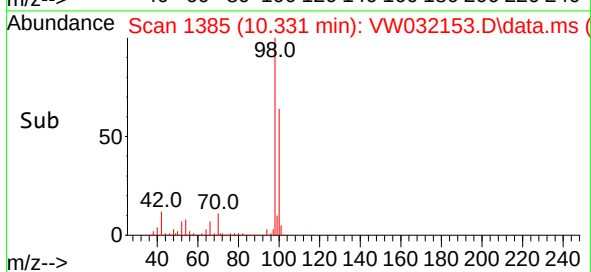
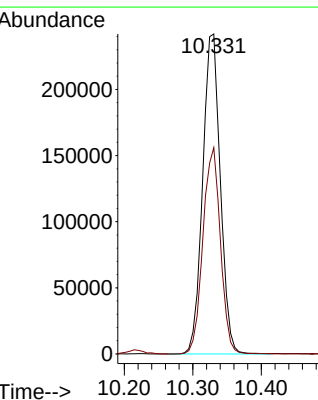
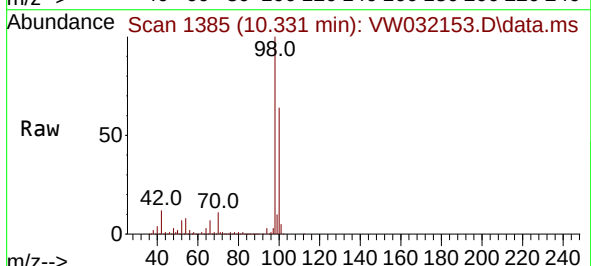
Delta R.T. 0.006 min

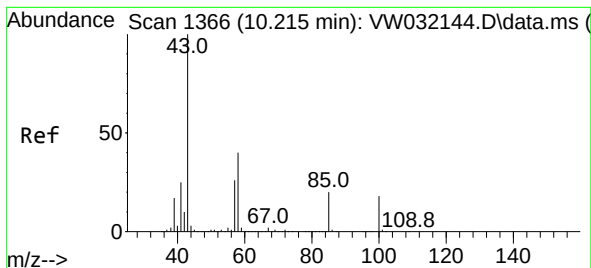
Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

Tgt Ion: 98 Resp: 432907

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.2





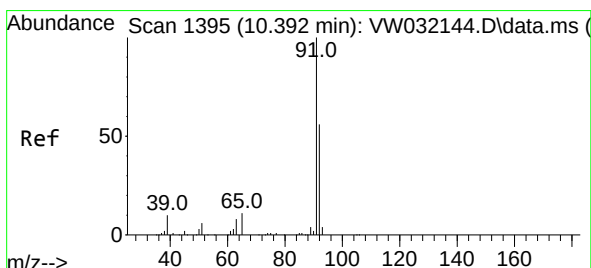
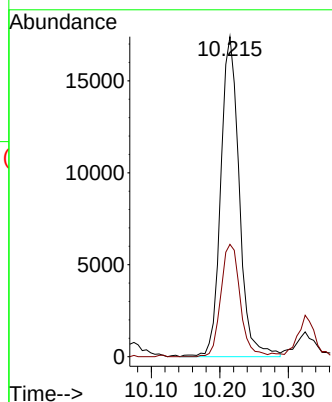
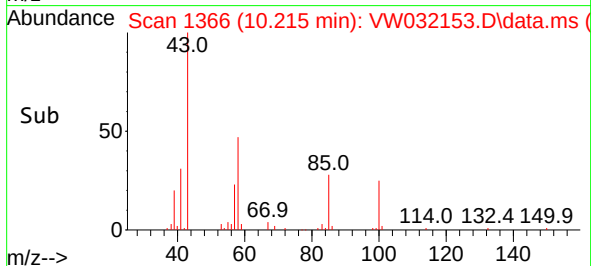
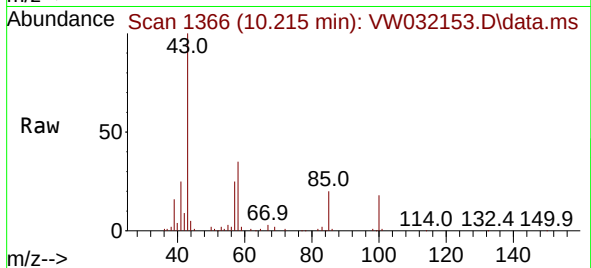
#51
4-Methyl-2-Pentanone
Concen: 15.002 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

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

Tgt Ion: 43 Resp: 32570
Ion Ratio Lower Upper
43 100
58 36.6 32.0 48.0

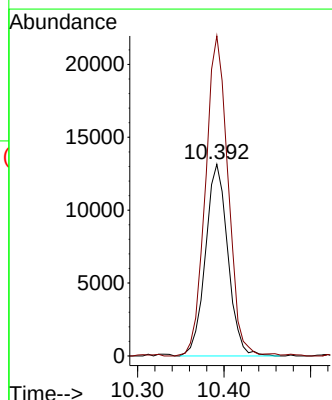
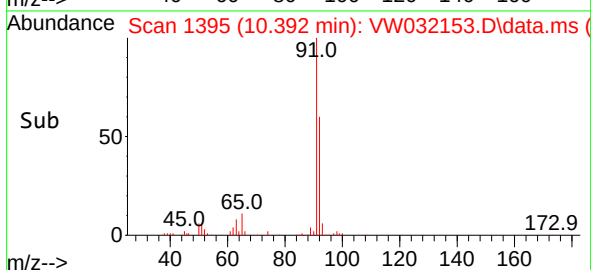
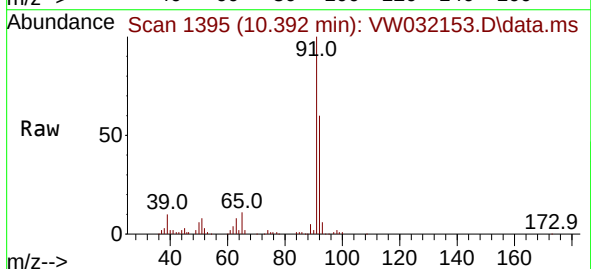
Manual Integrations
APPROVED

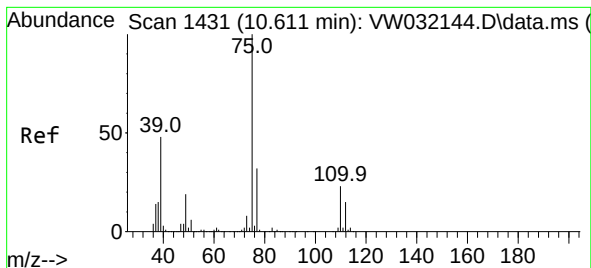
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#52
Toluene
Concen: 3.420 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

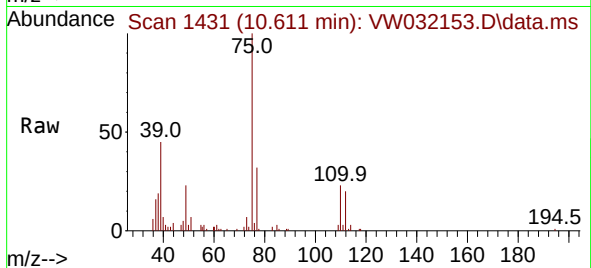
Tgt Ion: 92 Resp: 23604
Ion Ratio Lower Upper
92 100
91 168.1 137.5 206.3





#53
t-1,3-Dichloropropene
Concen: 3.018 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

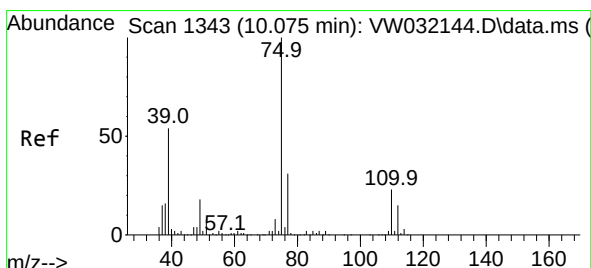
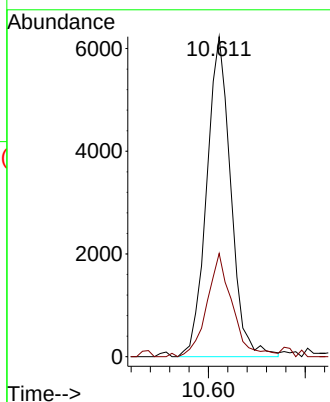
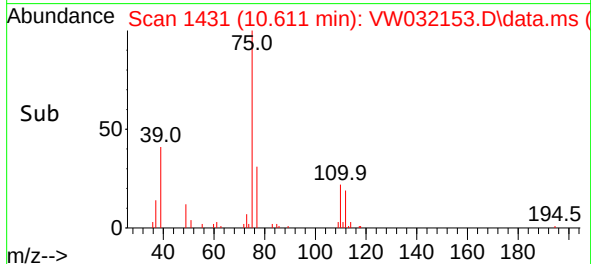
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



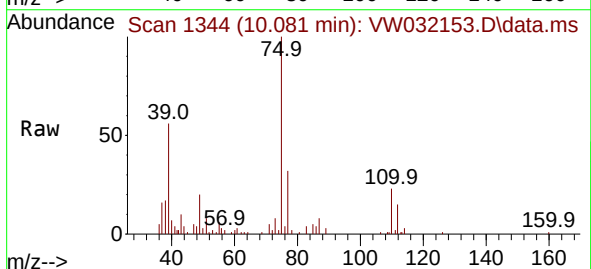
Tgt Ion: 75 Resp: 10804
Ion Ratio Lower Upper
75 100
77 32.2 25.6 38.4

Manual Integrations
APPROVED

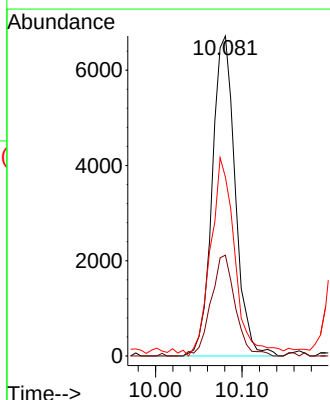
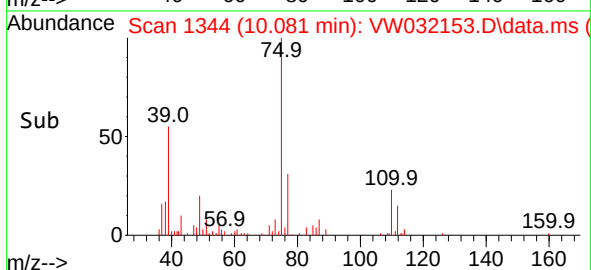
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

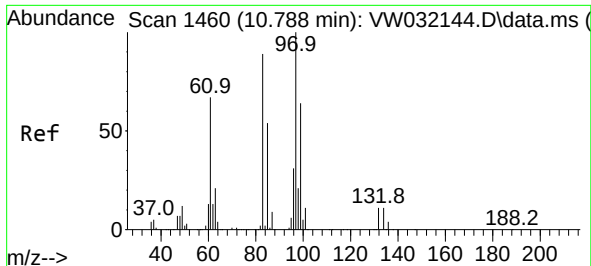


#54
cis-1,3-Dichloropropene
Concen: 3.035 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36



Tgt Ion: 75 Resp: 12397
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7
39 53.6 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 3.290 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

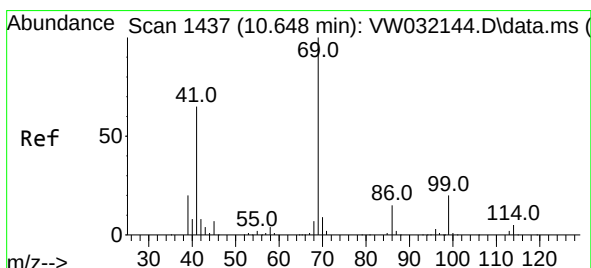
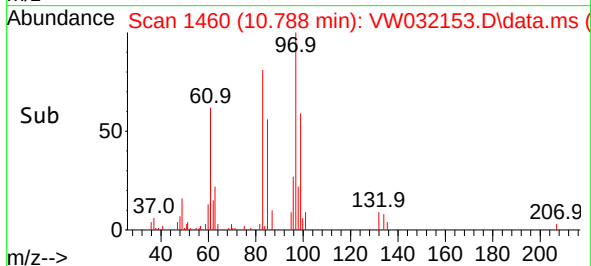
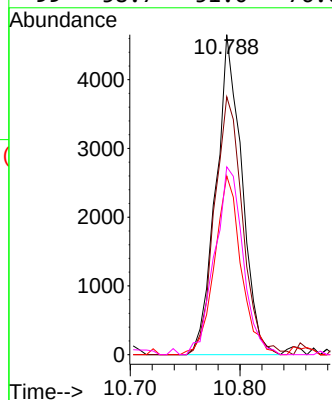
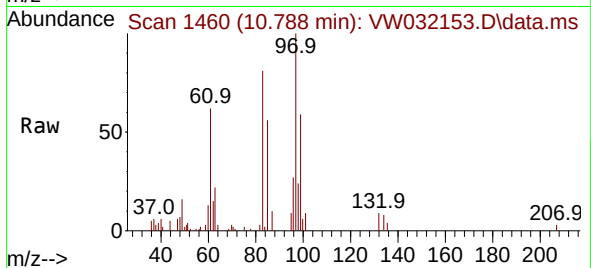
MDL-SOIL-03-QT3-2025

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.6	71.0	106.6
85	55.8	42.8	64.2
99	58.7	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: 2.926 ug/l

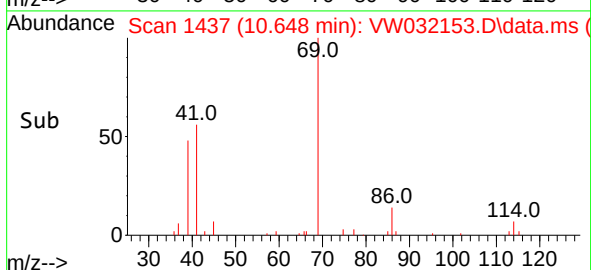
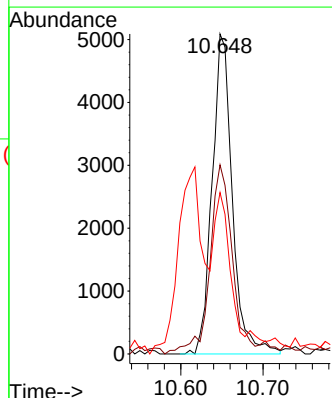
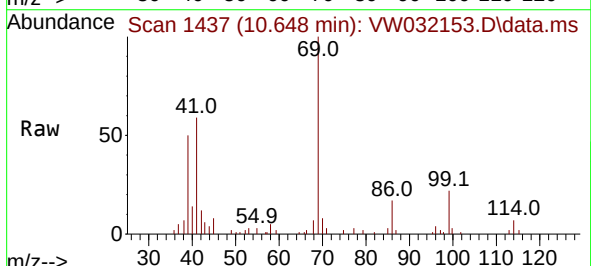
RT: 10.648 min Scan# 1437

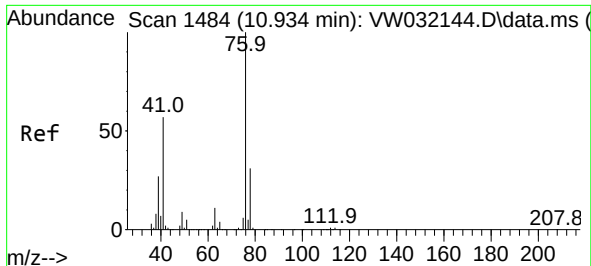
Delta R.T. -0.000 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.9	53.2	79.8
39	32.8	32.9	49.3





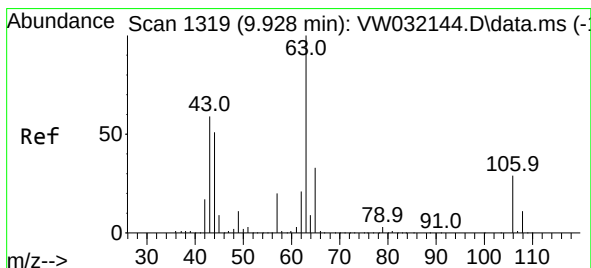
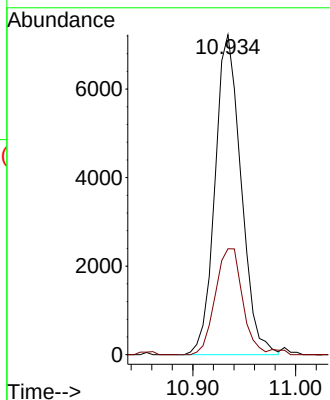
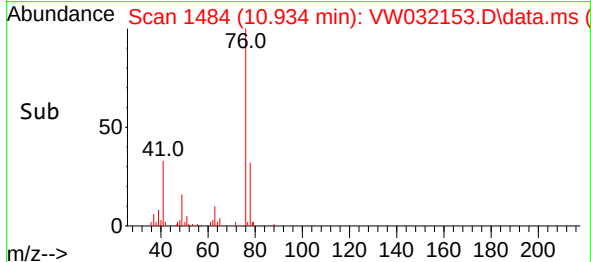
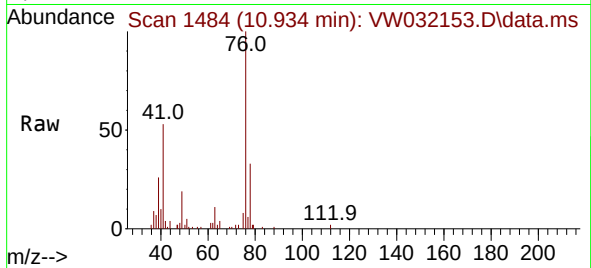
#57
1,3-Dichloropropane
Concen: 3.278 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

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

Tgt Ion: 76 Resp: 12745
Ion Ratio Lower Upper
76 100
78 34.4 26.2 39.4

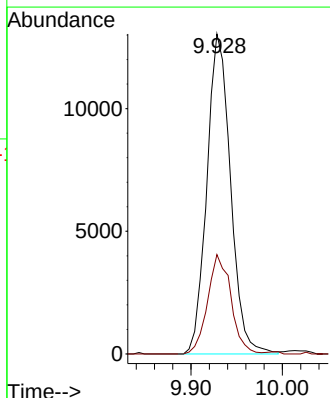
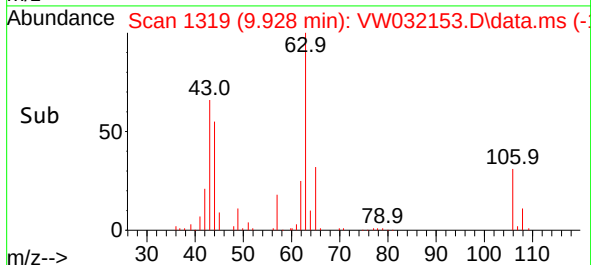
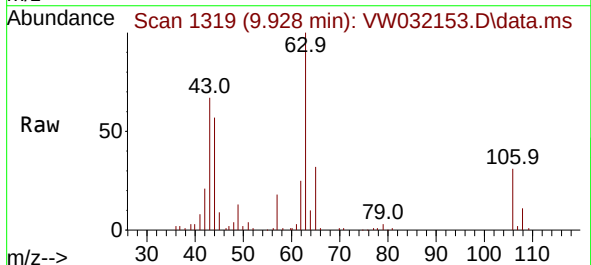
Manual Integrations
APPROVED

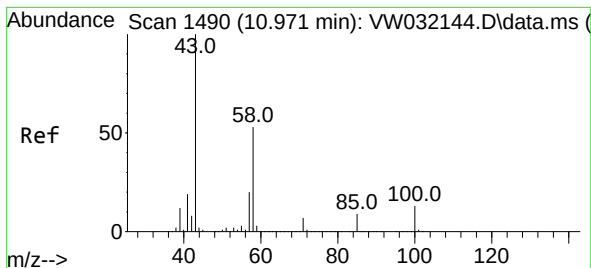
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#58
2-Chloroethyl Vinyl ether
Concen: 14.809 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

Tgt Ion: 63 Resp: 23464
Ion Ratio Lower Upper
63 100
106 30.6 24.3 36.5





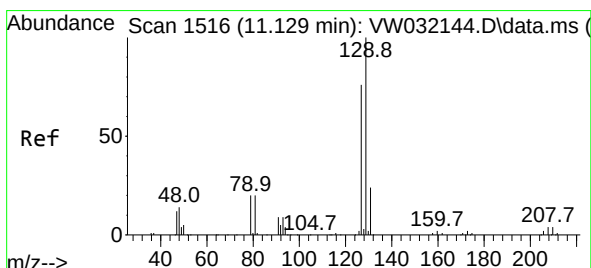
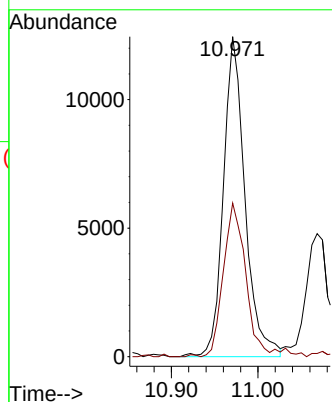
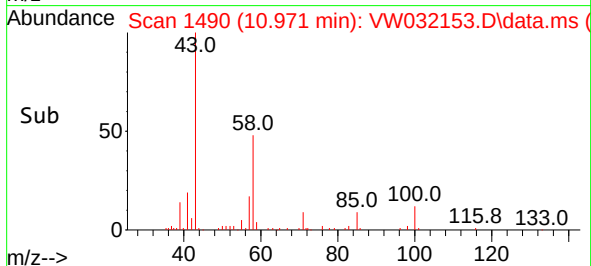
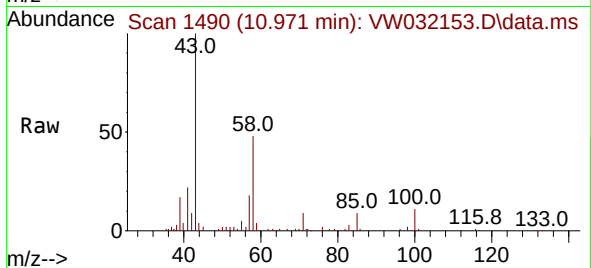
#59
2-Hexanone
Concen: 14.281 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

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

Tgt Ion: 43 Resp: 2156
Ion Ratio Lower Upper
43 100
58 48.9 27.5 82.4

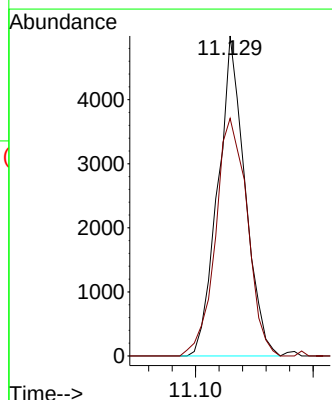
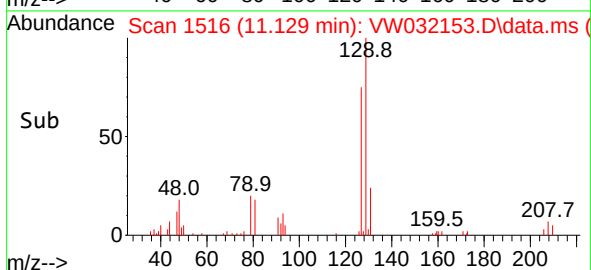
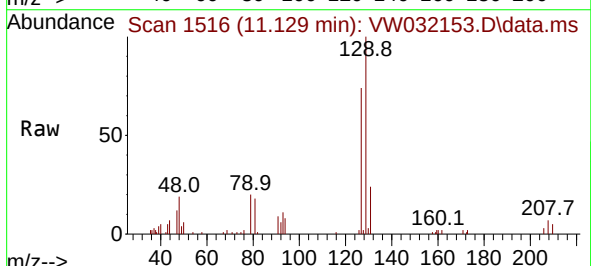
Manual Integrations
APPROVED

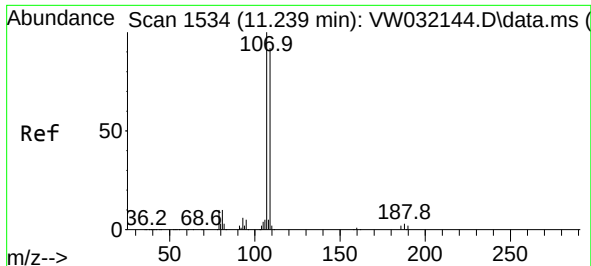
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#60
Dibromochloromethane
Concen: 2.853 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

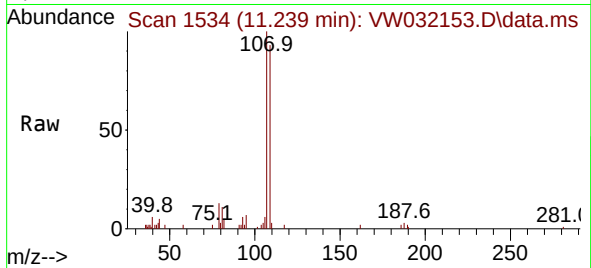
Tgt Ion:129 Resp: 8017
Ion Ratio Lower Upper
129 100
127 86.7 38.1 114.5





#61
1,2-Dibromoethane
Concen: 3.335 ug/l
RT: 11.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

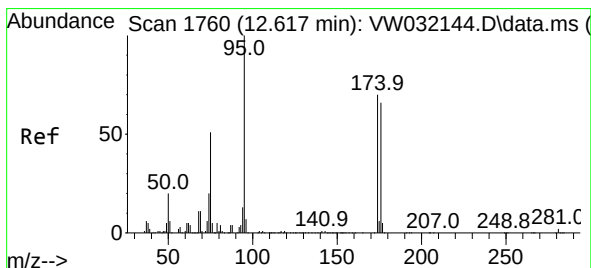
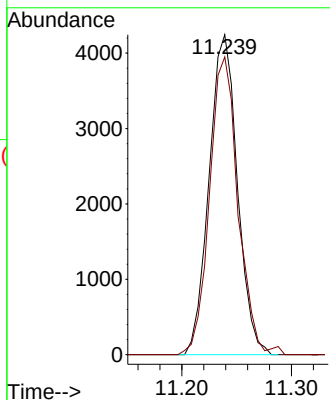
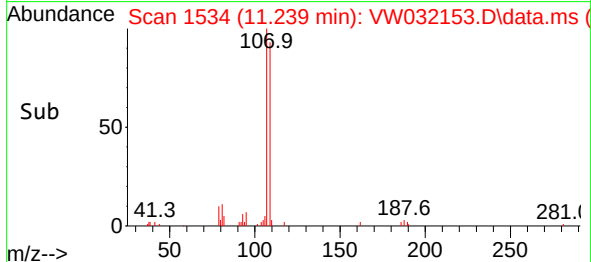
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



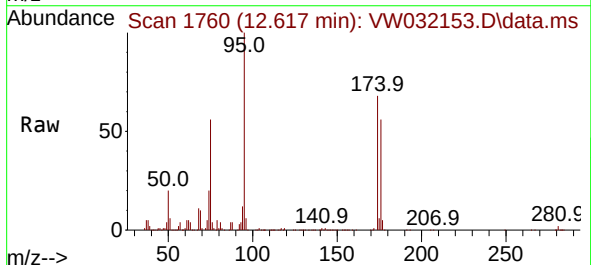
Tgt Ion:107 Resp: 7610
Ion Ratio Lower Upper
107 100
109 93.5 74.5 111.7

Manual Integrations
APPROVED

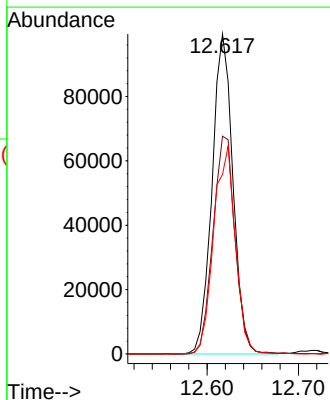
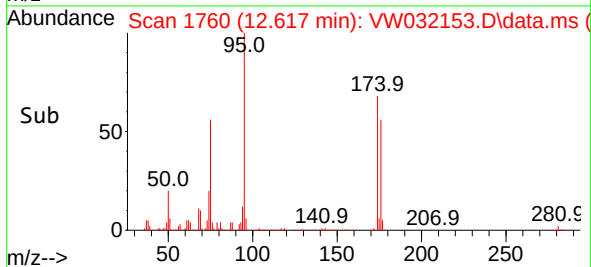
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

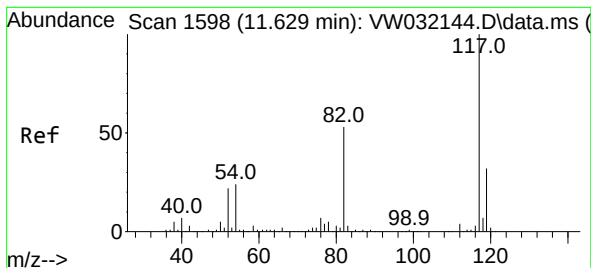


#62
4-Bromofluorobenzene
Concen: 46.115 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36



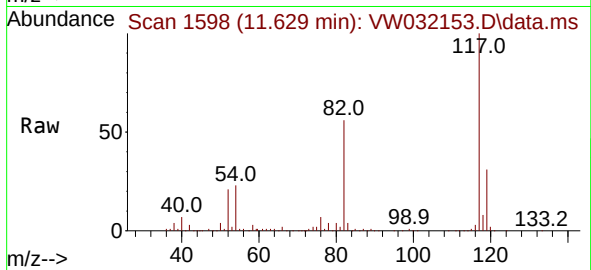
Tgt Ion: 95 Resp: 157736
Ion Ratio Lower Upper
95 100
174 72.2 0.0 145.6
176 67.6 0.0 140.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1162
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

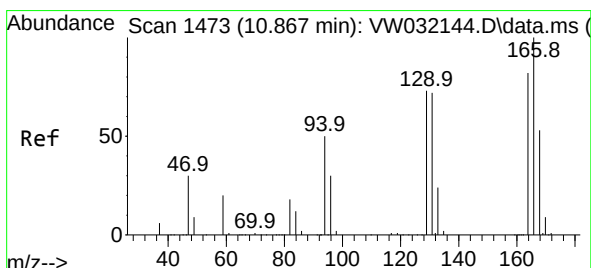
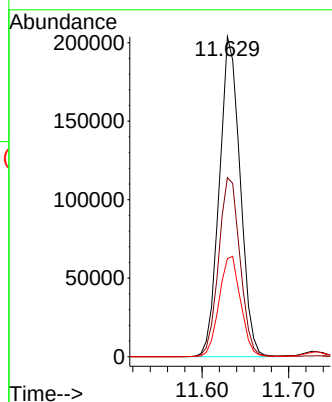
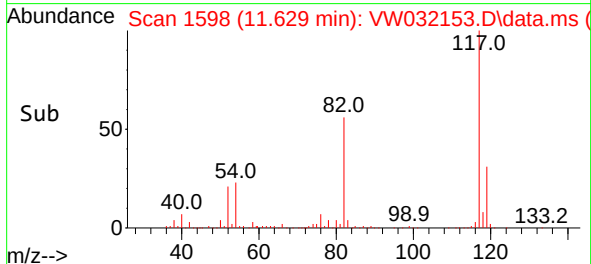
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



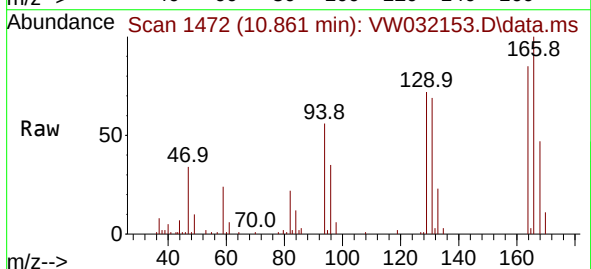
Tgt Ion:117 Resp: 340249
Ion Ratio Lower Upper
117 100
82 55.9 42.7 64.1
119 30.7 25.2 37.8

Manual Integrations
APPROVED

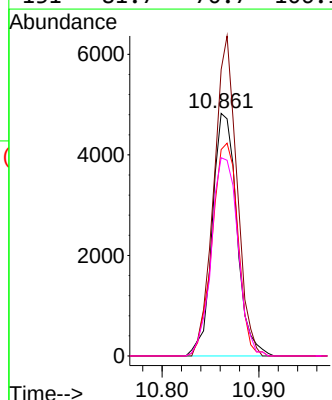
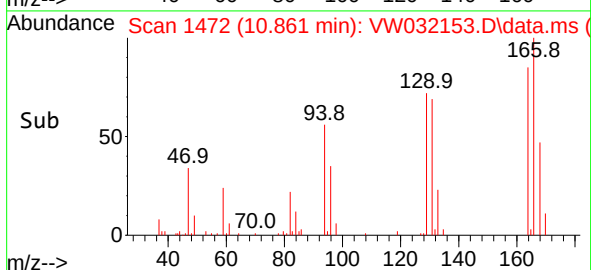
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

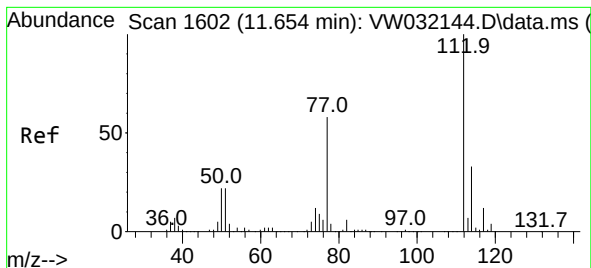


#64
Tetrachloroethene
Concen: 3.791 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36



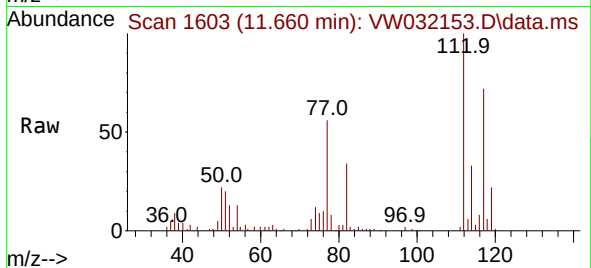
Tgt Ion:164 Resp: 8489
Ion Ratio Lower Upper
164 100
166 118.0 97.5 146.3
129 85.1 71.2 106.8
131 81.7 70.7 106.1





#65
Chlorobenzene
Concen: 3.561 ug/l
RT: 11.660 min Scan# 1112
Delta R.T. 0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

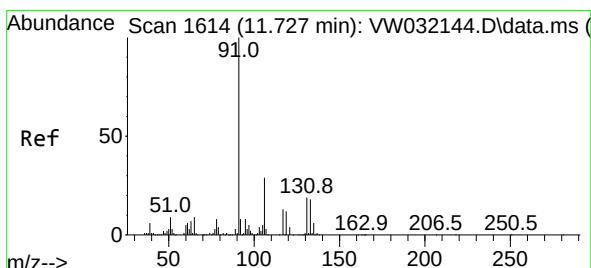
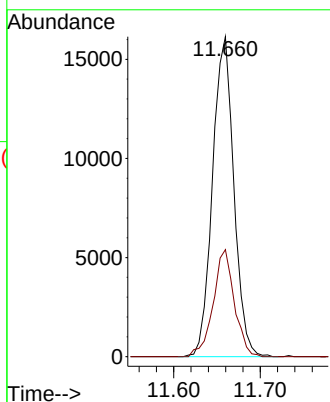
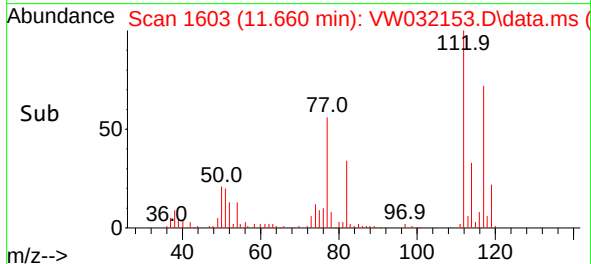
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



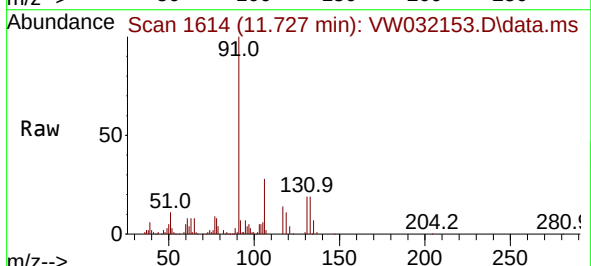
Tgt Ion:112 Resp: 27570
Ion Ratio Lower Upper
112 100
114 33.5 26.0 39.0

Manual Integrations
APPROVED

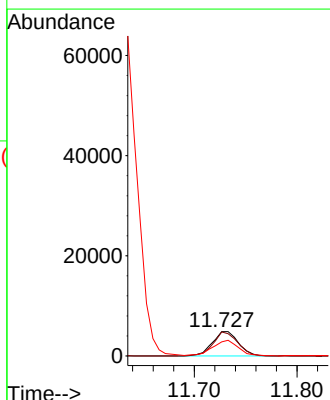
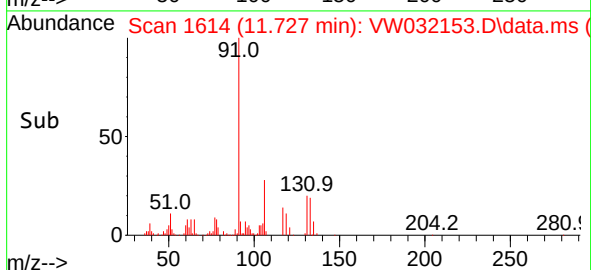
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

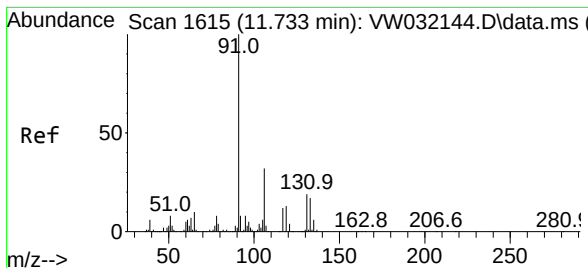


#66
1,1,1,2-Tetrachloroethane
Concen: 3.355 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36



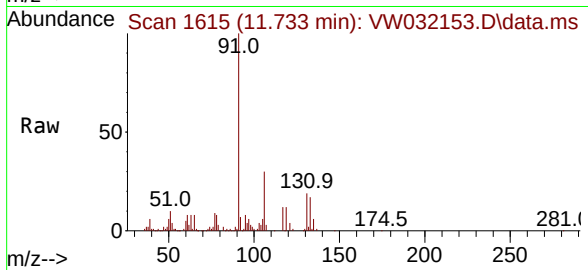
Tgt Ion:131 Resp: 8554
Ion Ratio Lower Upper
131 100
133 93.6 47.7 143.1
119 64.5 32.8 98.3





#67
Ethyl Benzene
Concen: 3.315 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

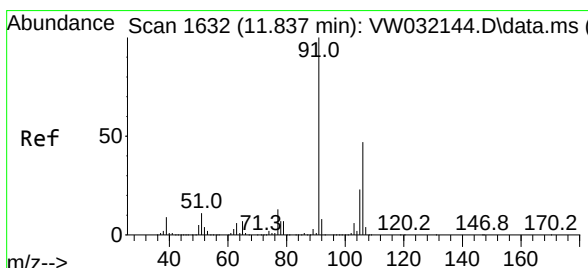
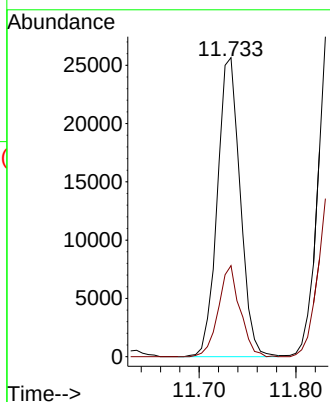
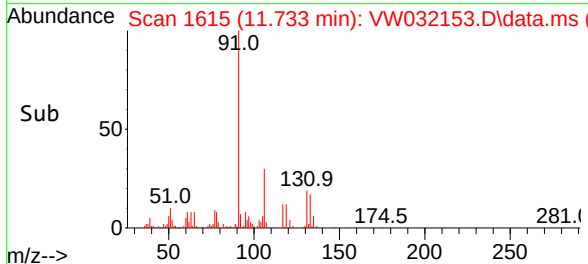
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



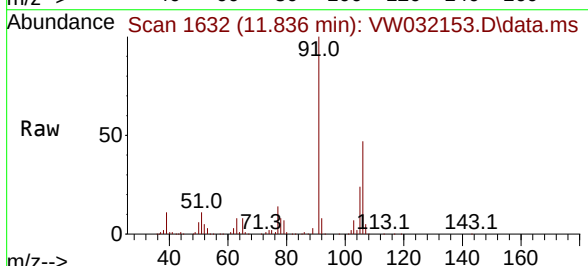
Tgt Ion: 91 Resp: 42059
Ion Ratio Lower Upper
91 100
106 30.4 25.3 37.9

Manual Integrations
APPROVED

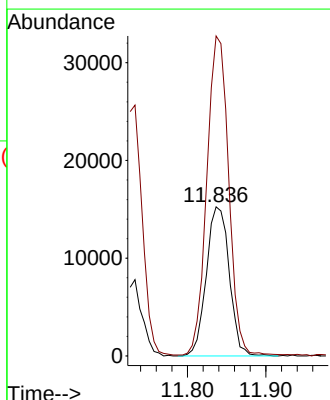
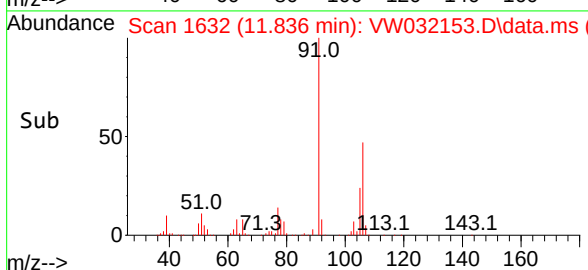
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

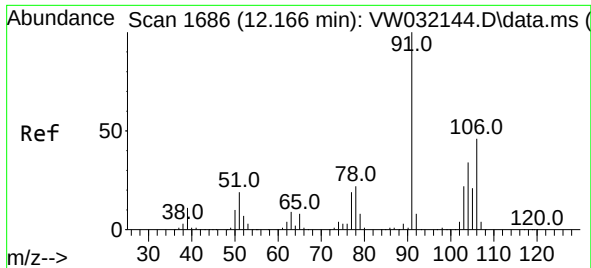


#68
m/p-Xylenes
Concen: 6.354 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36



Tgt Ion:106 Resp: 31031
Ion Ratio Lower Upper
106 100
91 203.4 164.2 246.2





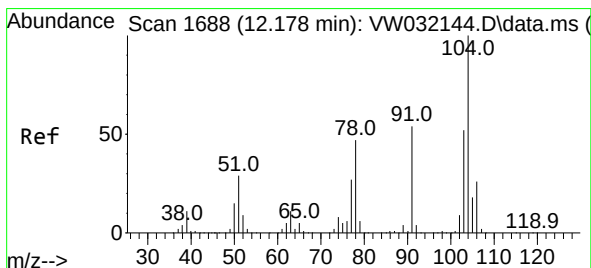
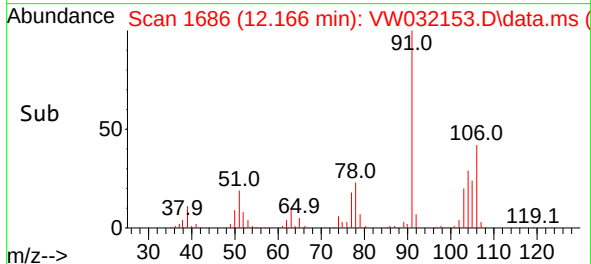
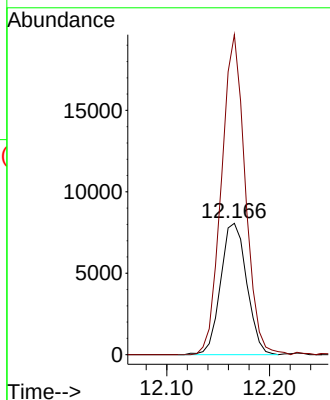
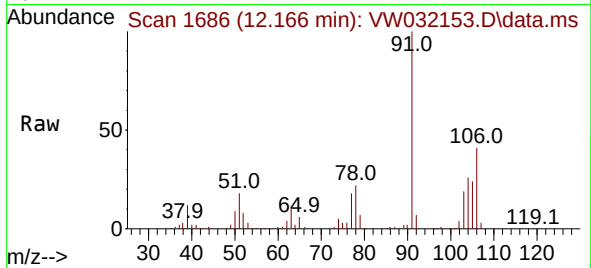
#69
o-Xylene
Concen: 3.080 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

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

Tgt Ion:106 Resp: 14228
Ion Ratio Lower Upper
106 100
91 222.1 108.7 326.3

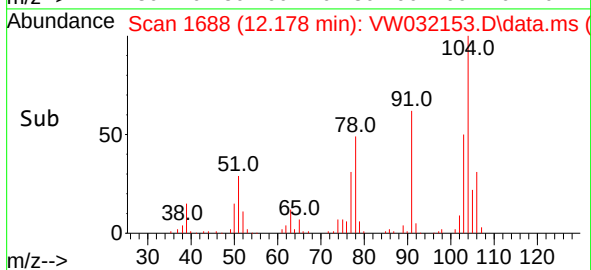
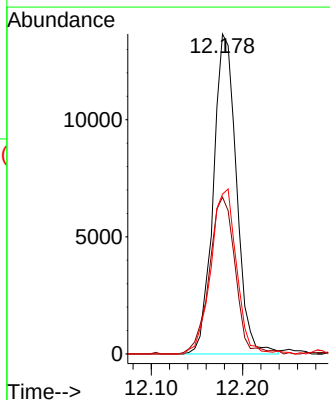
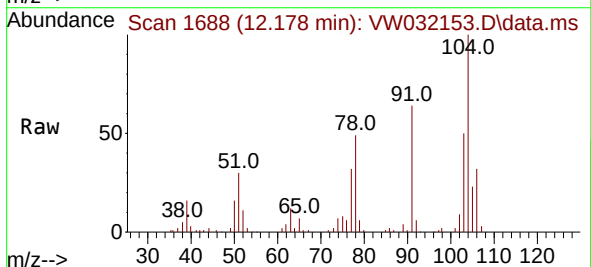
Manual Integrations
APPROVED

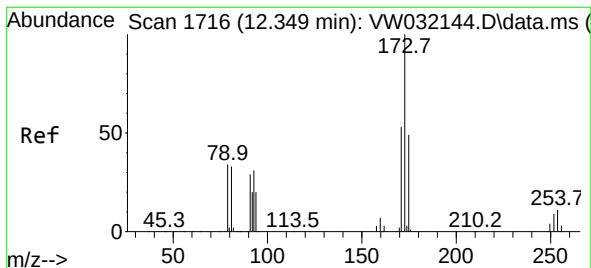
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#70
Styrene
Concen: 2.954 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

Tgt Ion:104 Resp: 24051
Ion Ratio Lower Upper
104 100
78 54.7 41.6 62.4
103 56.8 44.8 67.2





#71

Bromoform

Concen: 3.106 ug/l

RT: 12.355 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW032153.D

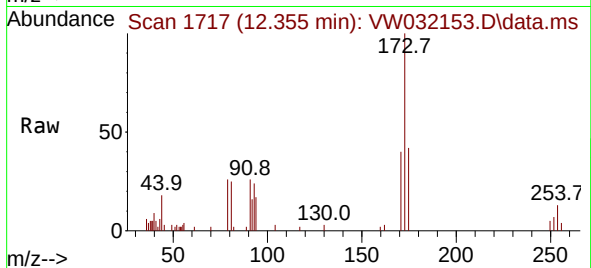
Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025



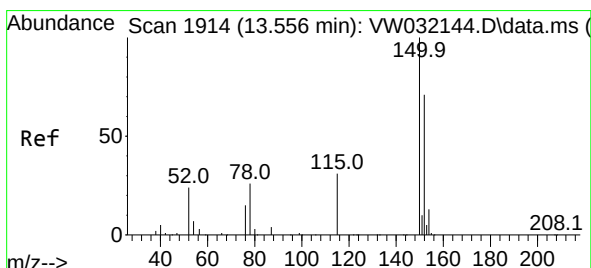
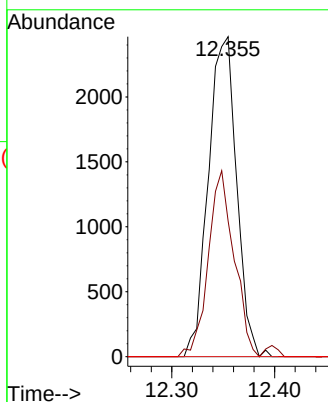
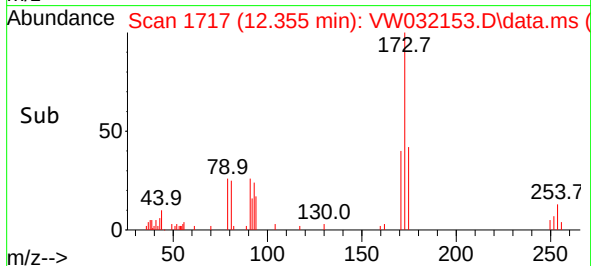
Tgt Ion	Ratio	Lower	Upper
173	100		
175	53.1	24.9	74.7
254	0.0	0.2	0.2

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

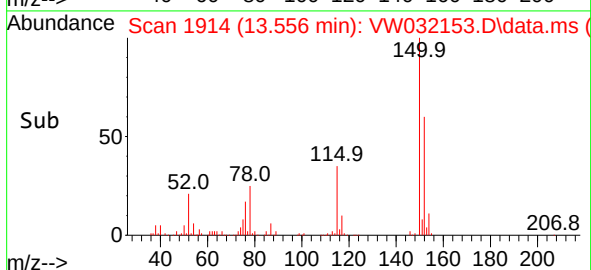
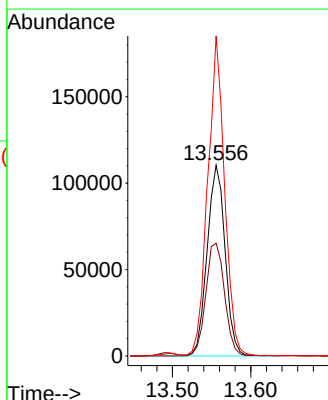
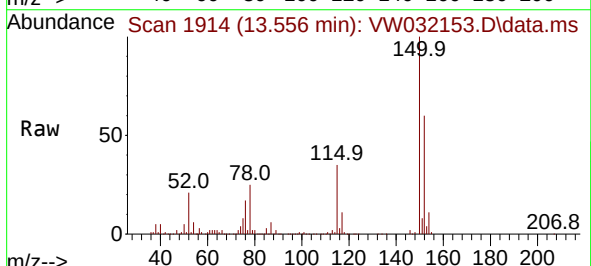
RT: 13.556 min Scan# 1914

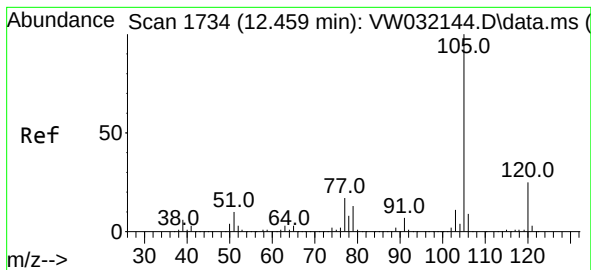
Delta R.T. -0.000 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

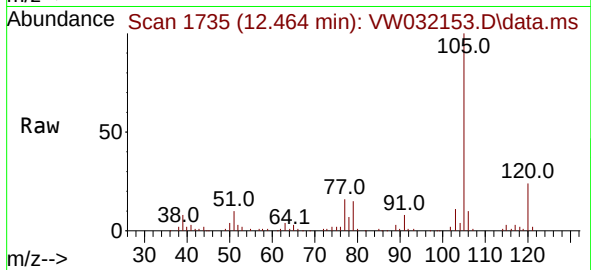
Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.8	95.4
150	156.2	0.0	343.0





#73
Isopropylbenzene
Concen: 3.031 ug/l
RT: 12.464 min Scan# 1734
Delta R.T. 0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

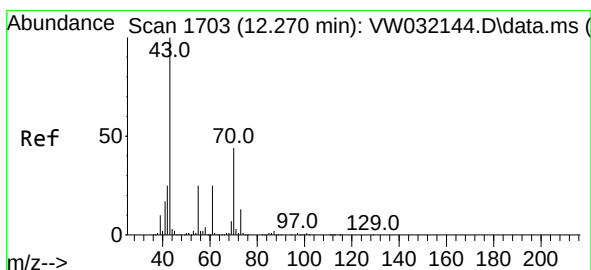
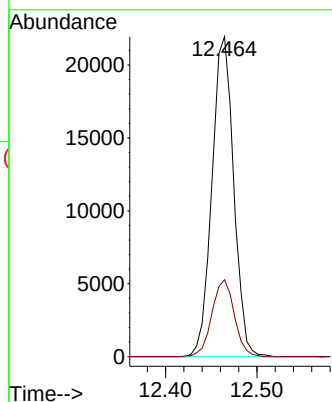
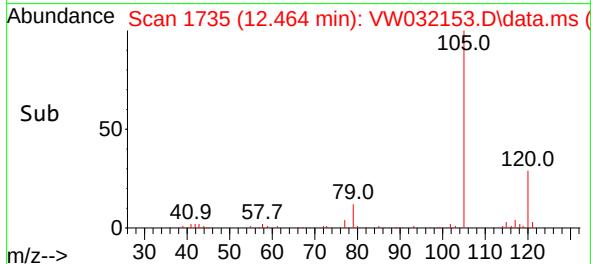
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:105 Resp: 3623
Ion Ratio Lower Upper
105 100
120 24.8 13.0 38.9

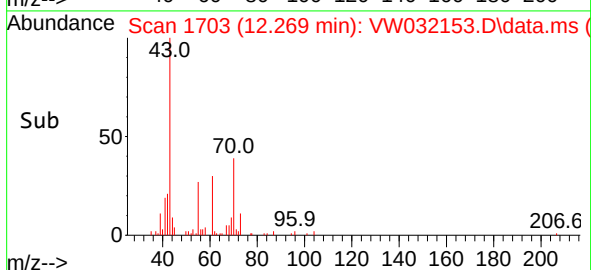
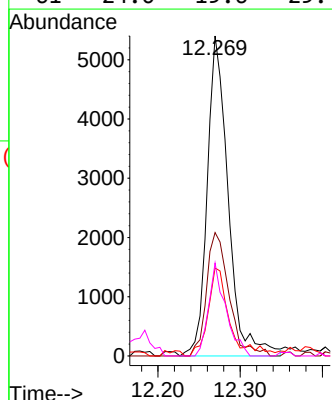
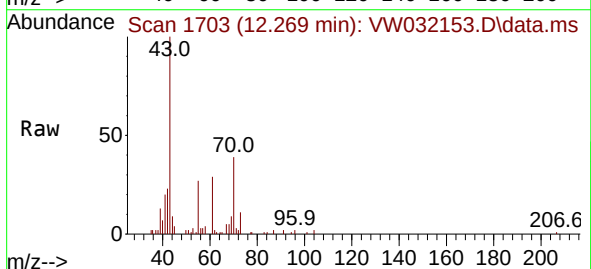
Manual Integrations
APPROVED

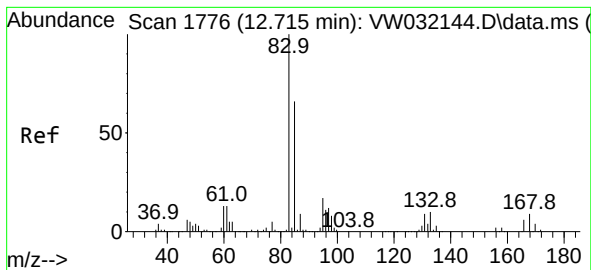
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#74
N-ethyl acetate
Concen: 2.761 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

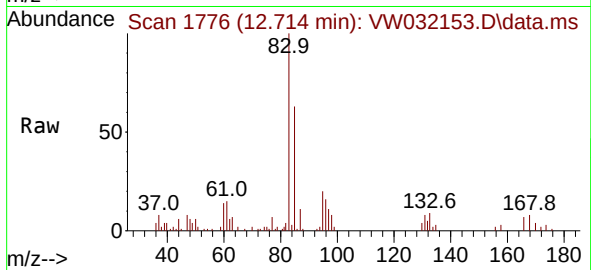
Tgt Ion: 43 Resp: 9582
Ion Ratio Lower Upper
43 100
70 41.4 35.3 52.9
55 25.4 19.9 29.9
61 24.0 19.6 29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 3.268 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

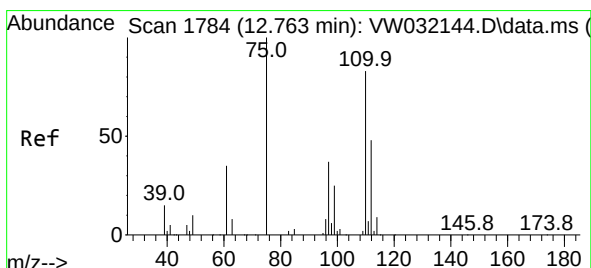
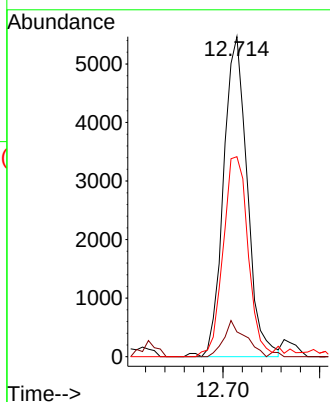
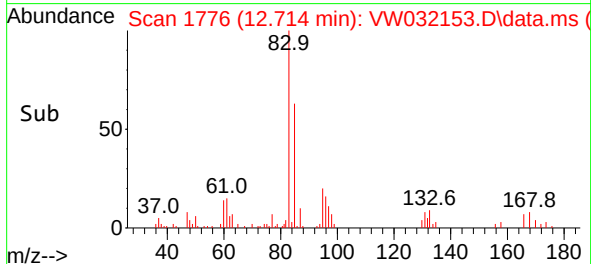
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



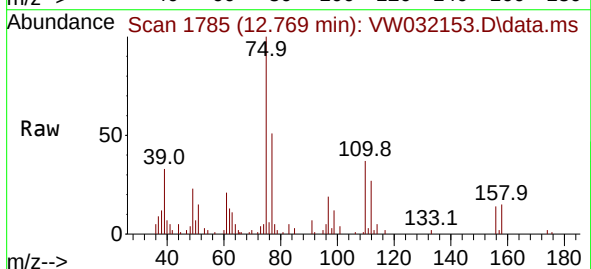
Tgt Ion: 83 Resp: 9284
Ion Ratio Lower Upper
83 100
131 10.2 5.1 15.4
85 65.7 32.2 96.6

Manual Integrations
APPROVED

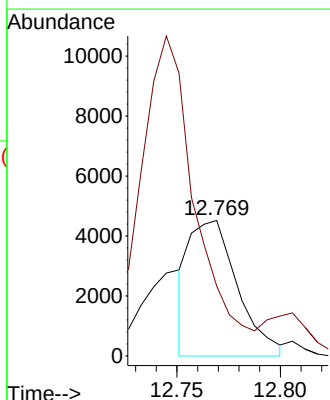
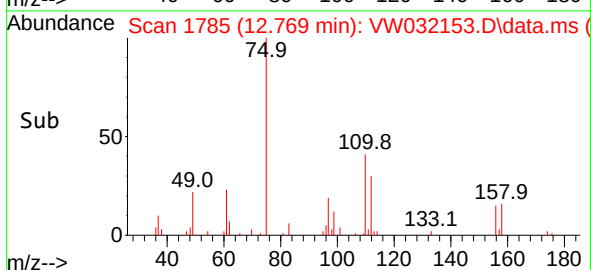
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

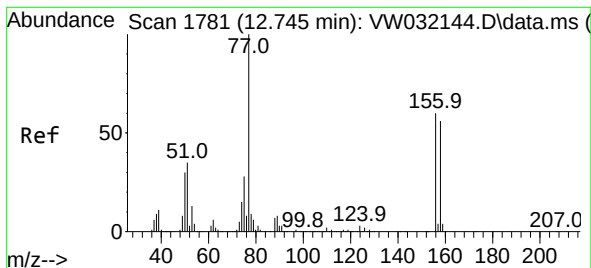


#76
1,2,3-Trichloropropane
Concen: 3.322 ug/l m
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36



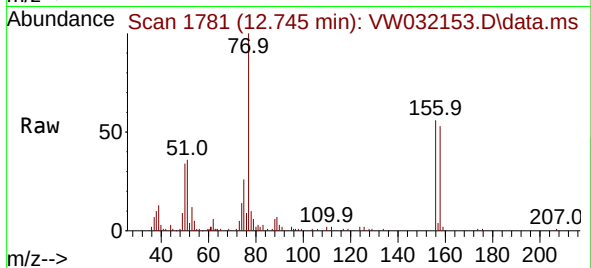
Tgt Ion: 75 Resp: 7324
Ion Ratio Lower Upper
75 100
77 0.0 141.7 425.1#





#77
Bromobenzene
Concen: 3.313 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

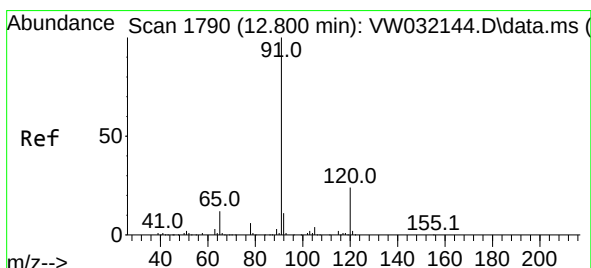
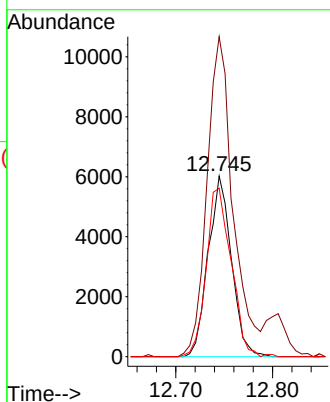
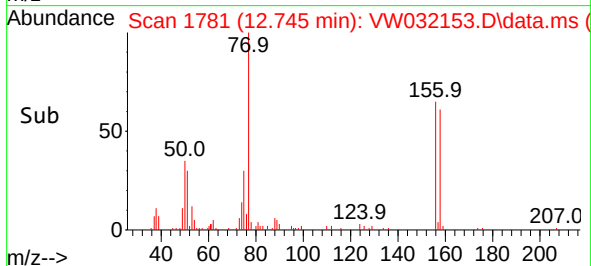
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



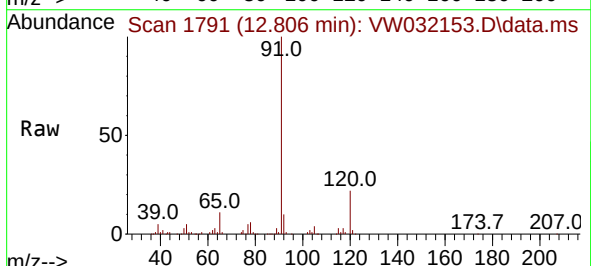
Tgt Ion: 156 Resp: 10100
Ion Ratio Lower Upper
156 100
77 197.2 98.6 295.7
158 100.1 48.4 145.0

Manual Integrations
APPROVED

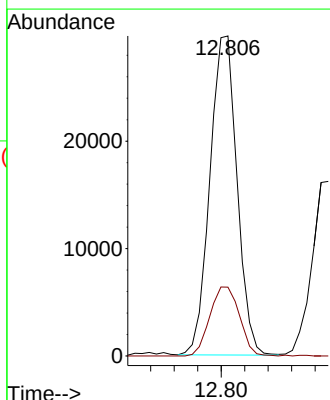
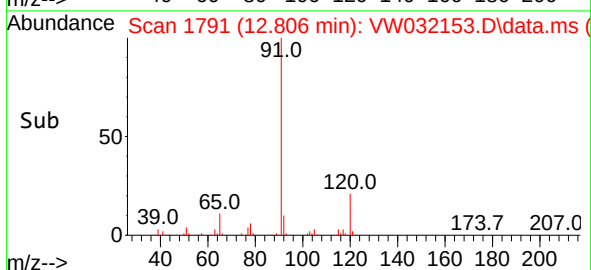
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

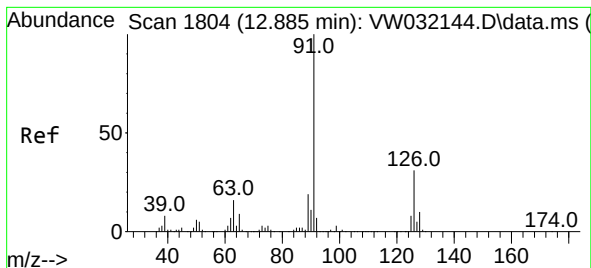


#78
n-propylbenzene
Concen: 3.288 ug/l
RT: 12.806 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36



Tgt Ion: 91 Resp: 47713
Ion Ratio Lower Upper
91 100
120 23.6 11.8 35.4





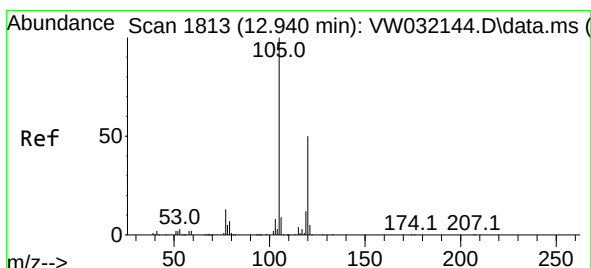
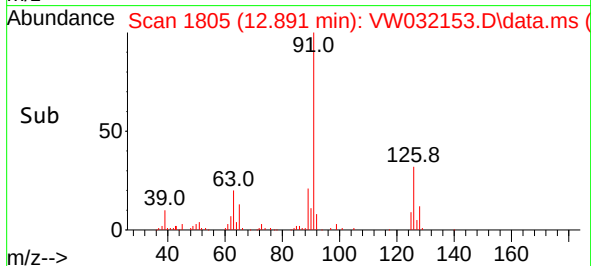
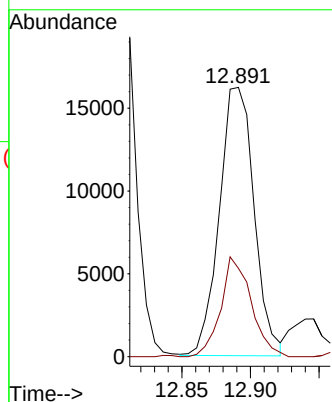
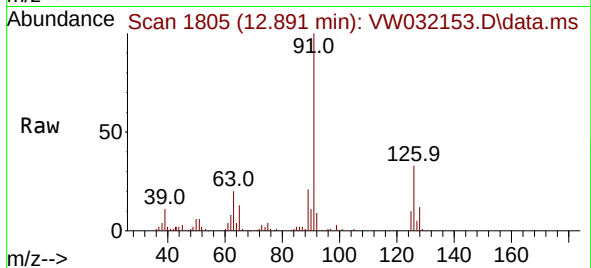
#79
2-Chlorotoluene
Concen: 3.225 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. 0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

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

Tgt Ion: 91 Resp: 28620
Ion Ratio Lower Upper
91 100
126 32.5 16.6 49.7

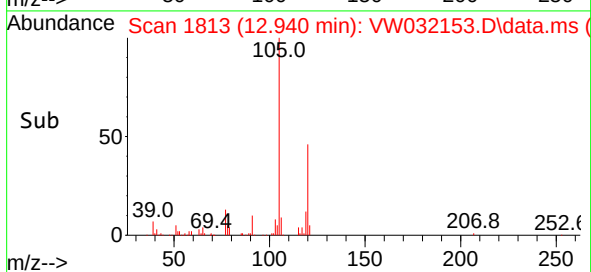
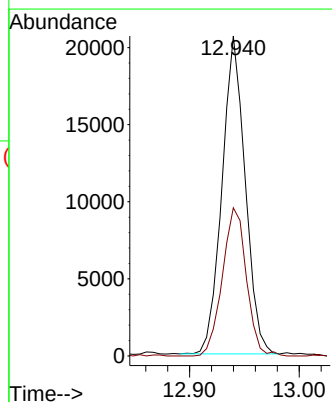
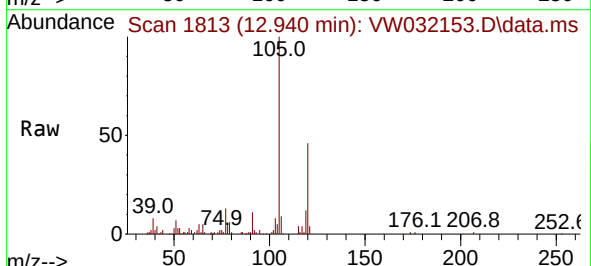
Manual Integrations
APPROVED

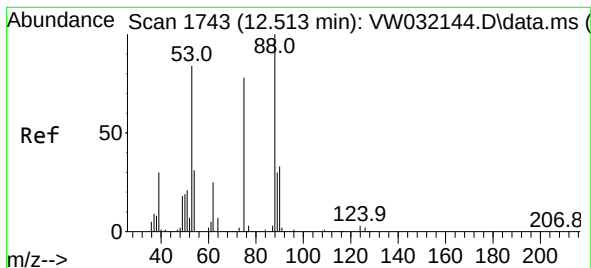
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#80
1,3,5-Trimethylbenzene
Concen: 2.991 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

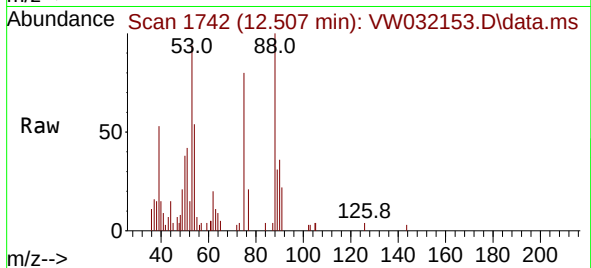
Tgt Ion:105 Resp: 30269
Ion Ratio Lower Upper
105 100
120 48.2 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 2.572 ug/l m
RT: 12.507 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

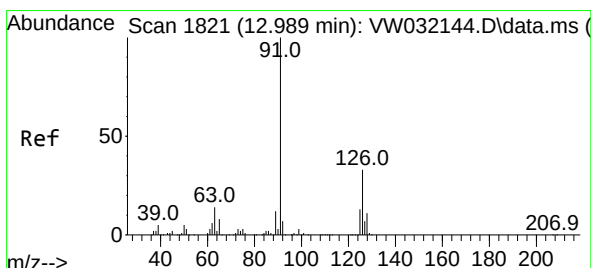
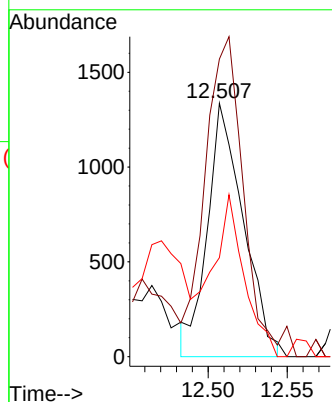
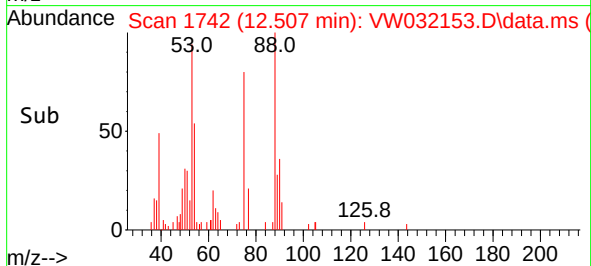
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion: 75 Resp: 2100
Ion Ratio Lower Upper
75 100
53 7.8 91.0 136.6
89 7.0 39.4 59.2

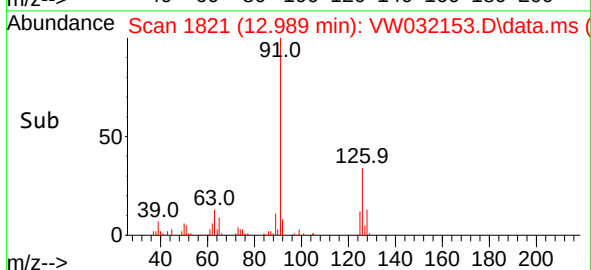
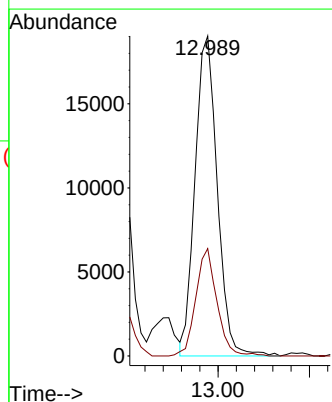
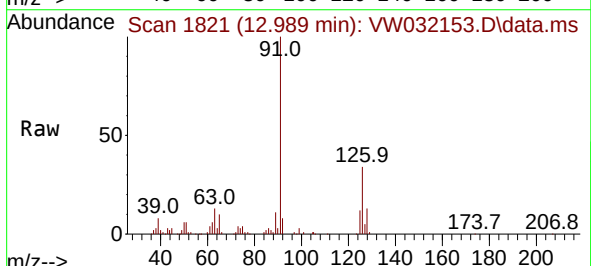
Manual Integrations
APPROVED

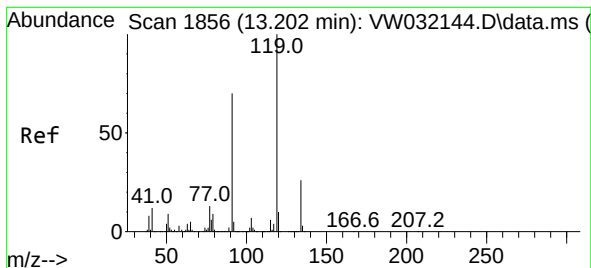
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#82
4-Chlorotoluene
Concen: 3.389 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

Tgt Ion: 91 Resp: 32194
Ion Ratio Lower Upper
91 100
126 31.9 16.1 48.2





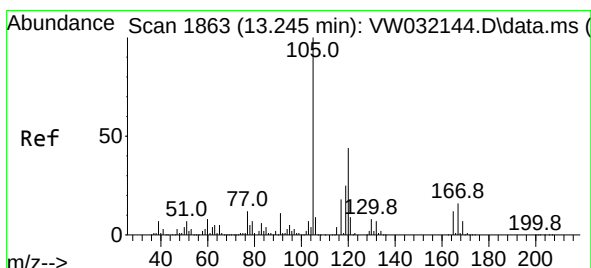
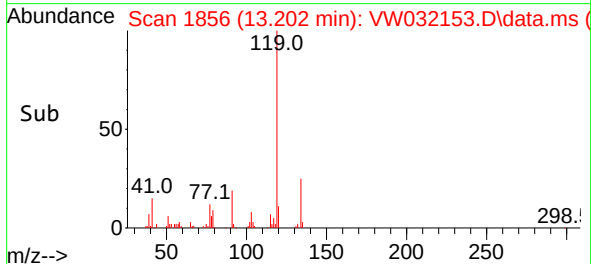
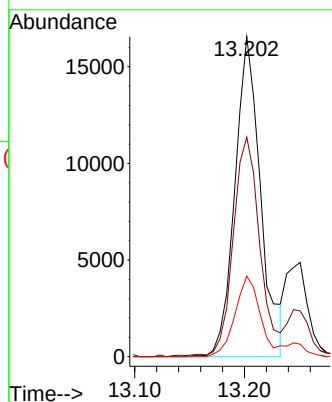
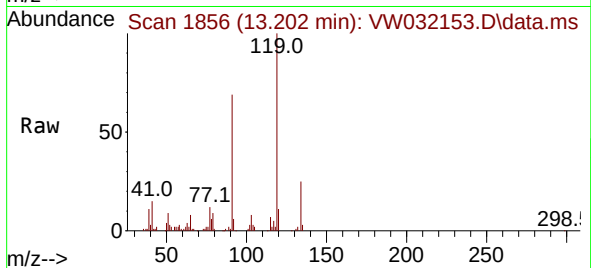
#83
tert-Butylbenzene
Concen: 3.141 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

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

Tgt Ion:119 Resp: 2695
Ion Ratio Lower Upper
119 100
91 71.3 33.8 101.3
134 25.6 12.5 37.5

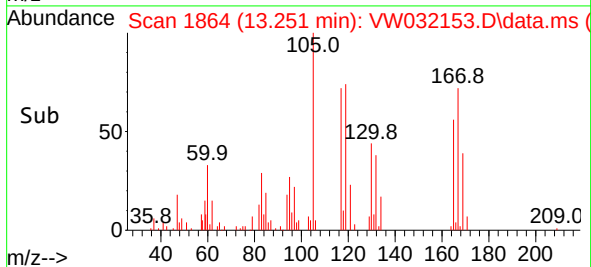
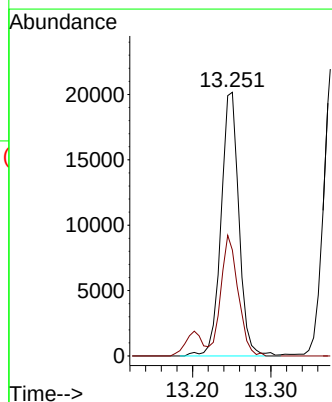
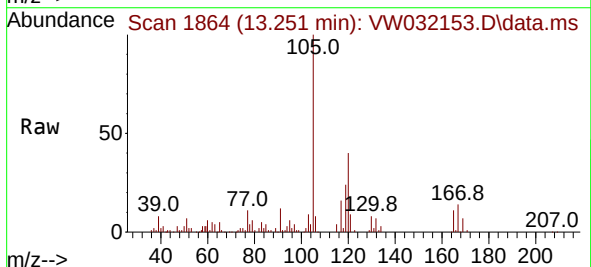
Manual Integrations
APPROVED

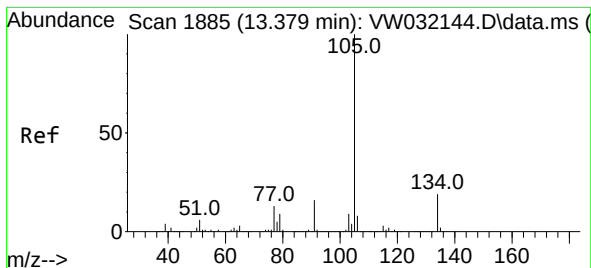
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#84
1,2,4-Trimethylbenzene
Concen: 3.058 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

Tgt Ion:105 Resp: 32024
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.3





#85

sec-Butylbenzene

Concen: 3.016 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

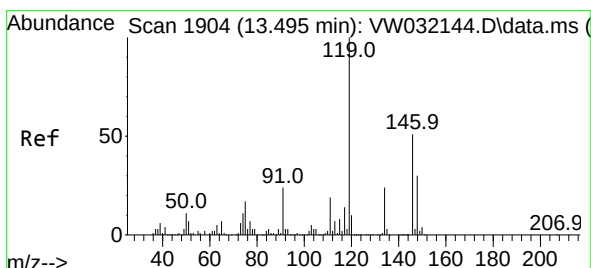
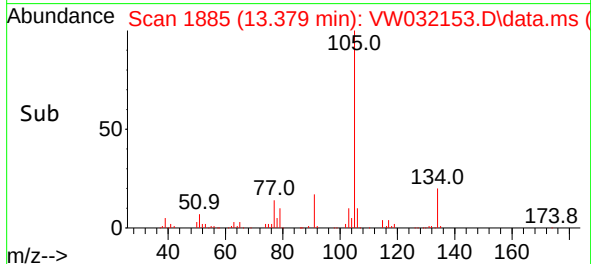
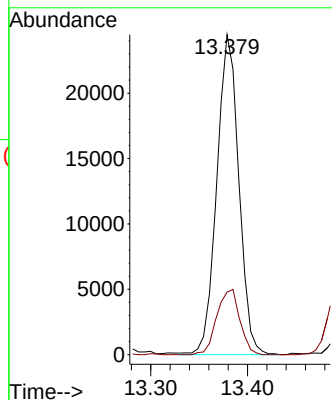
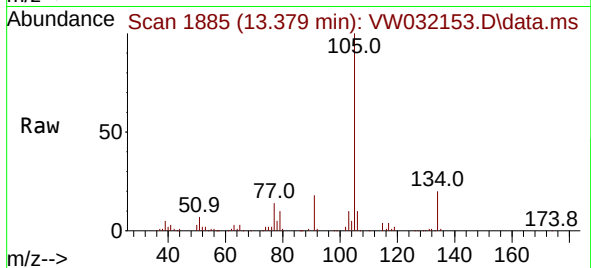
MDL-SOIL-03-QT3-2025

Tgt Ion:105 Resp: 38648
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.1 30.1

Manual Integrations

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



#86

p-Isopropyltoluene

Concen: 2.917 ug/l

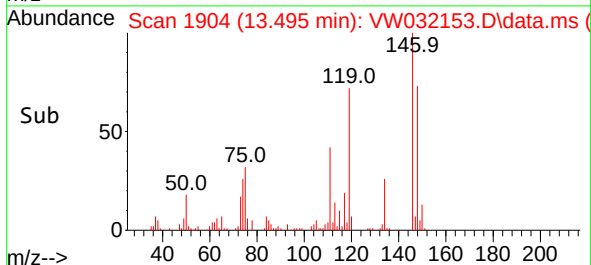
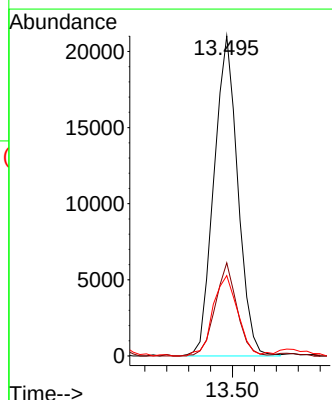
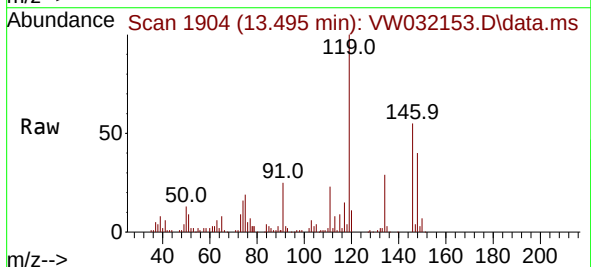
RT: 13.495 min Scan# 1904

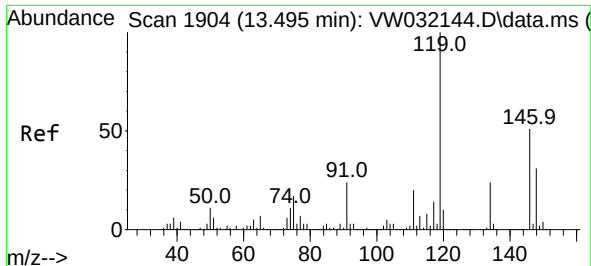
Delta R.T. -0.000 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

Tgt Ion:119 Resp: 31779
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.6 37.6
 91 26.1 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 3.215 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025

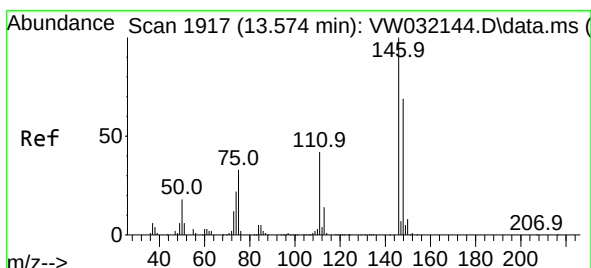
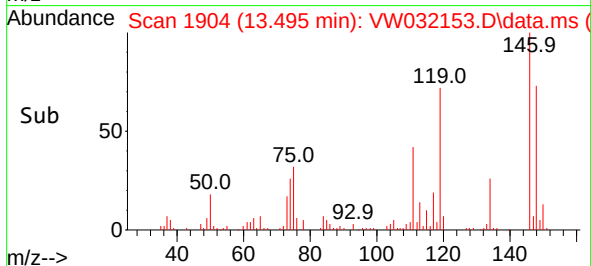
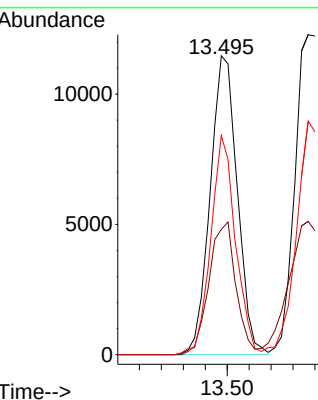
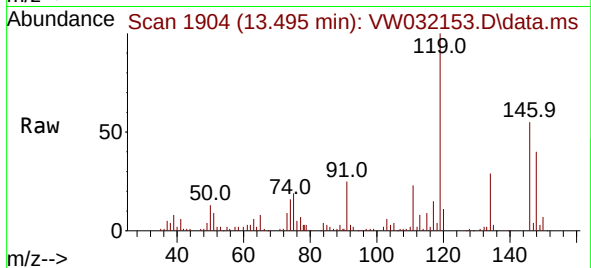
Tgt Ion:146 Resp: 19730

Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.6	61.9
148	66.8	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: 3.663 ug/l

RT: 13.574 min Scan# 1917

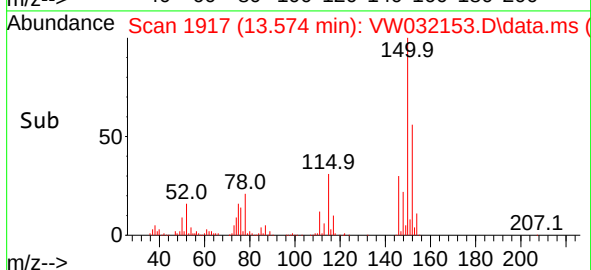
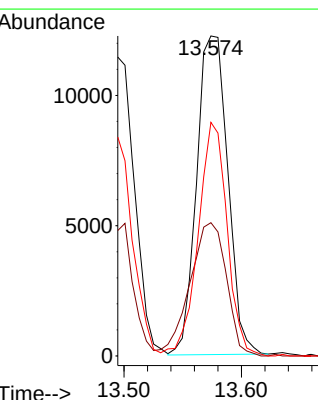
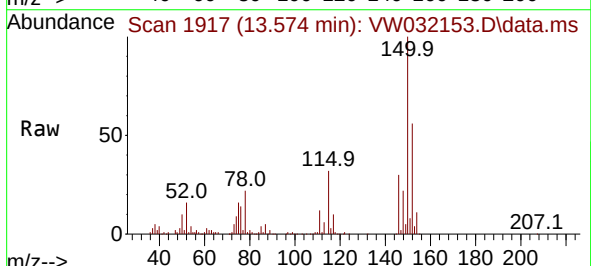
Delta R.T. -0.000 min

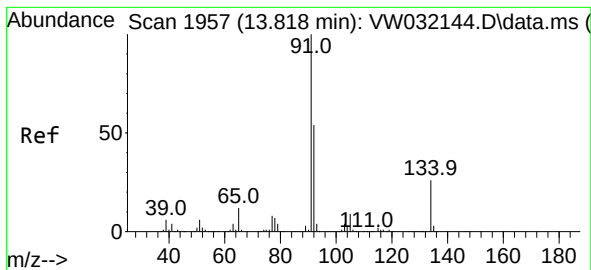
Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

Tgt Ion:146 Resp: 22534

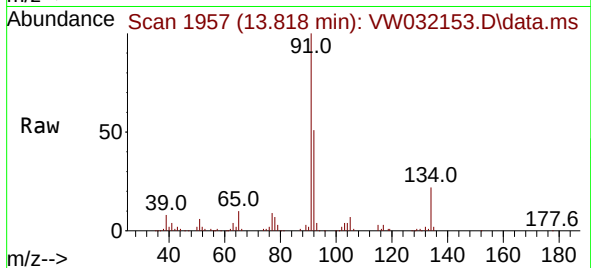
Ion	Ratio	Lower	Upper
146	100		
111	49.3	21.3	63.7
148	68.2	33.4	100.1





#89
n-Butylbenzene
Concen: 3.243 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

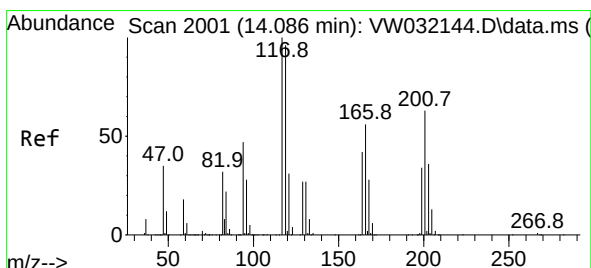
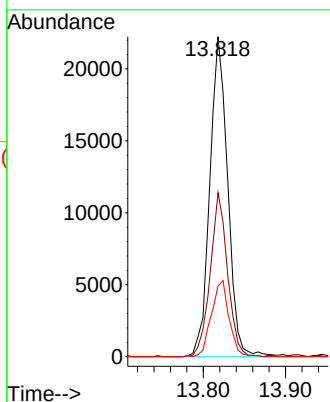
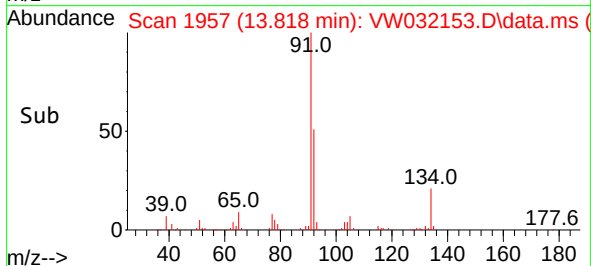
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion: 91 Resp: 3368
Ion Ratio Lower Upper
91 100
92 49.3 27.0 81.0
134 23.5 13.1 39.3

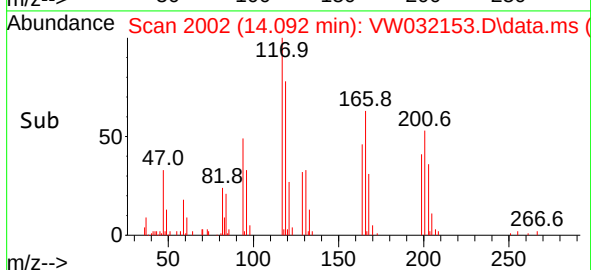
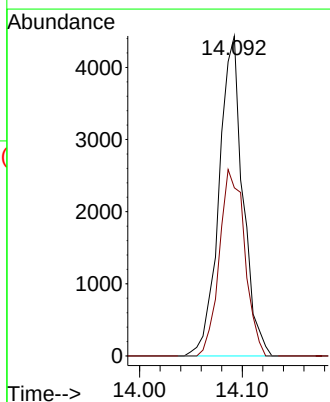
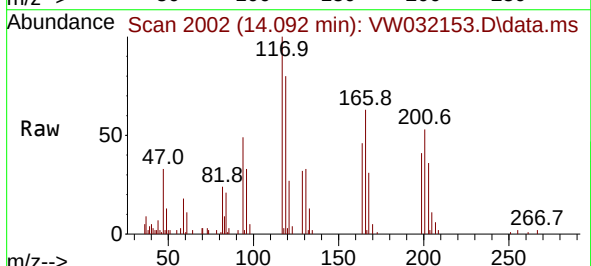
Manual Integrations
APPROVED

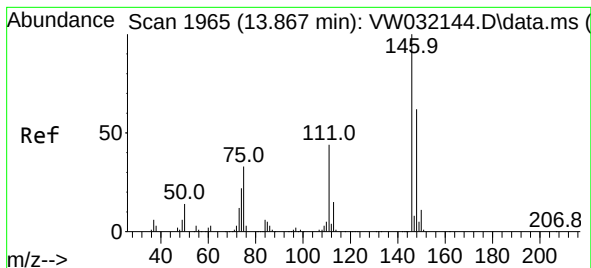
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



#90
Hexachloroethane
Concen: 3.586 ug/l
RT: 14.092 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

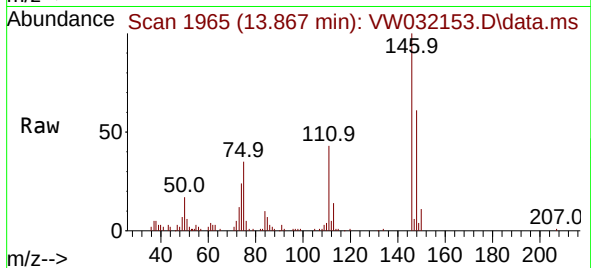
Tgt Ion:117 Resp: 7147
Ion Ratio Lower Upper
117 100
201 61.6 32.8 98.4





#91
1,2-Dichlorobenzene
Concen: 3.501 ug/l
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

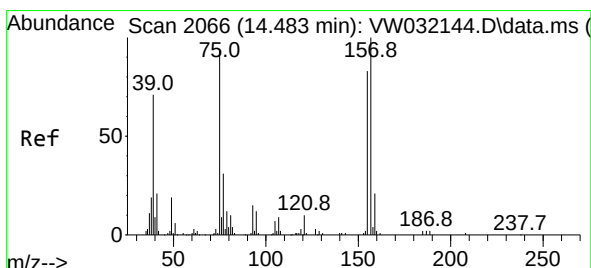
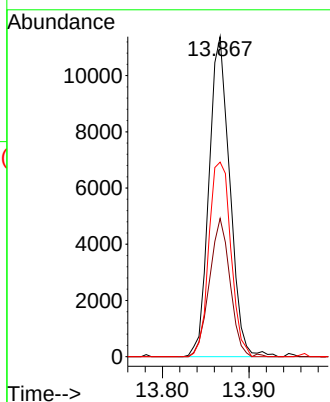
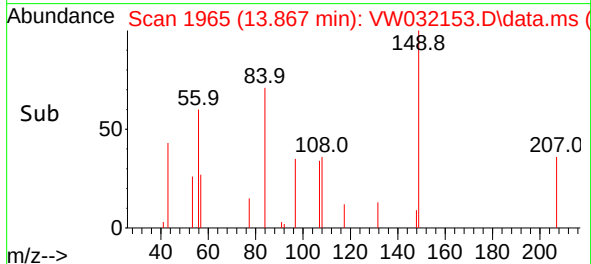
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025



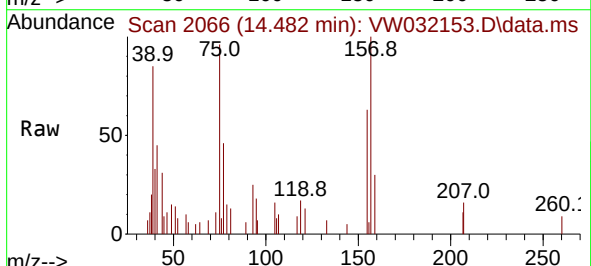
Tgt Ion:146 Resp: 1902
Ion Ratio Lower Upper
146 100
111 42.6 23.4 70.0
148 64.2 34.1 102.3

Manual Integrations
APPROVED

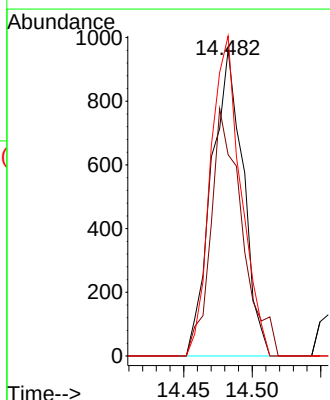
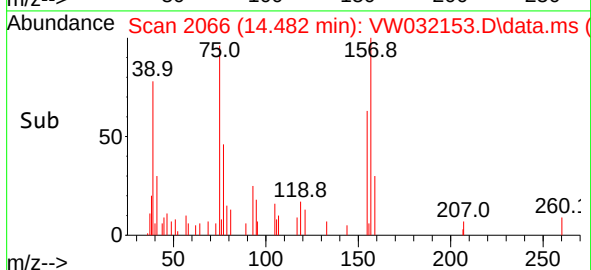
Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

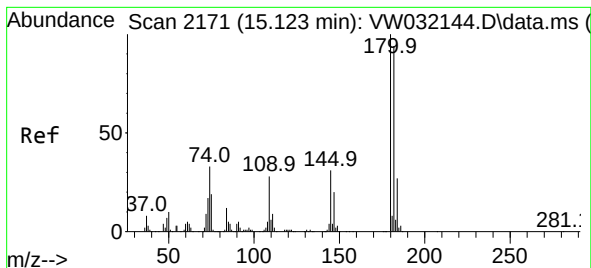


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.078 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36



Tgt Ion: 75 Resp: 1545
Ion Ratio Lower Upper
75 100
155 79.8 40.8 122.5
157 100.6 51.8 155.4





#93

1,2,4-Trichlorobenzene

Concen: 3.222 ug/l

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

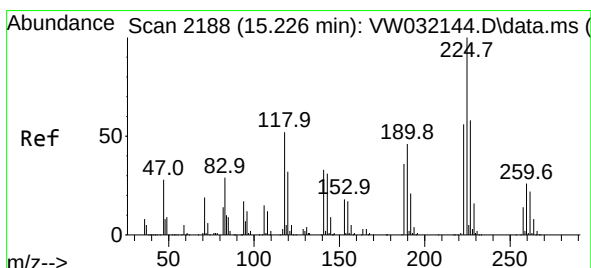
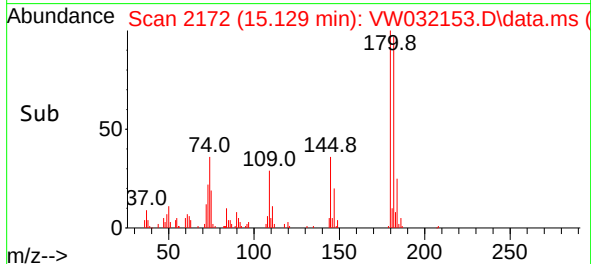
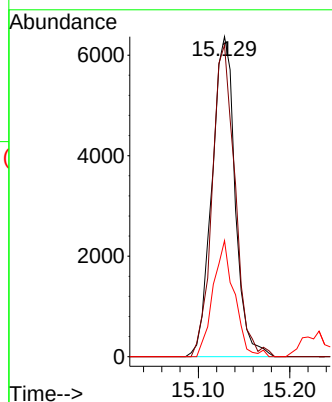
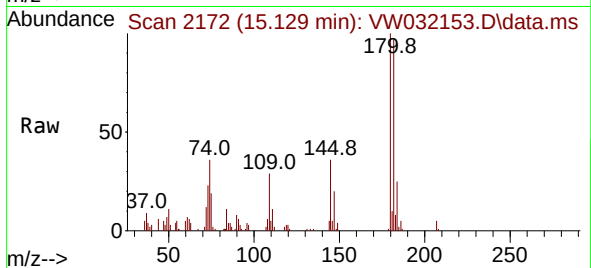
MDL-SOIL-03-QT3-2025

Tgt Ion:180	Resp:	1118
Ion Ratio	Lower	Upper
180	100	
182	96.1	47.4 142.2
145	33.5	16.4 49.1

Manual Integrations

APPROVED

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



#94

Hexachlorobutadiene

Concen: 3.640 ug/l

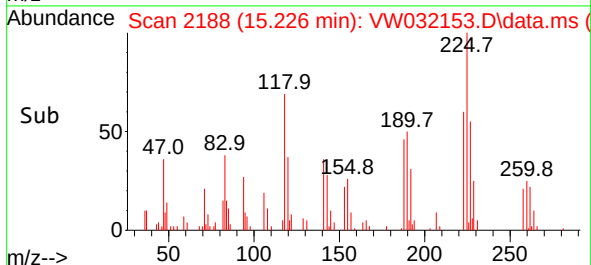
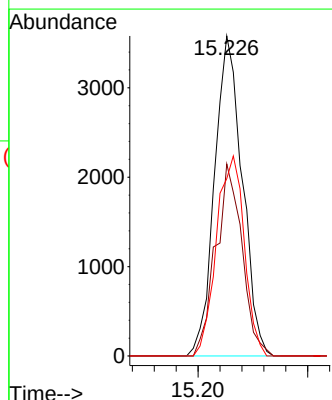
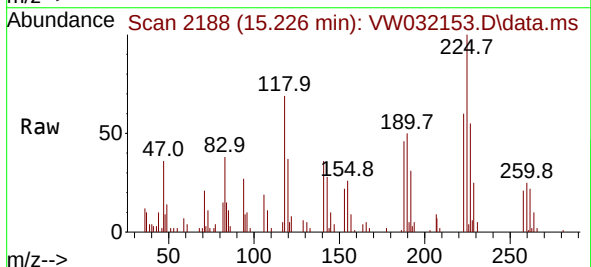
RT: 15.226 min Scan# 2188

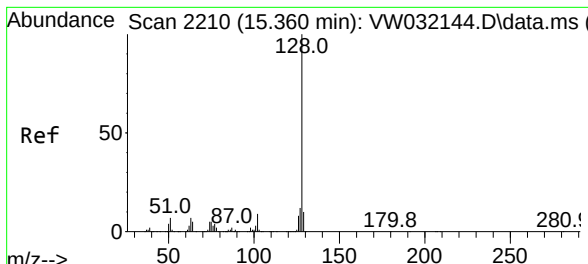
Delta R.T. -0.000 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:36

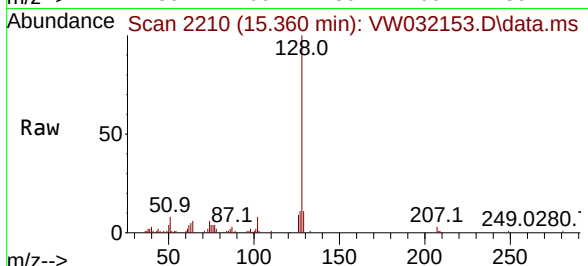
Tgt Ion:225	Resp:	6268
Ion Ratio	Lower	Upper
225	100	
223	57.0	29.8 89.3
227	62.7	30.5 91.5





#95
Naphthalene
Concen: 2.782 ug/l
RT: 15.360 min Scan# 2115
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

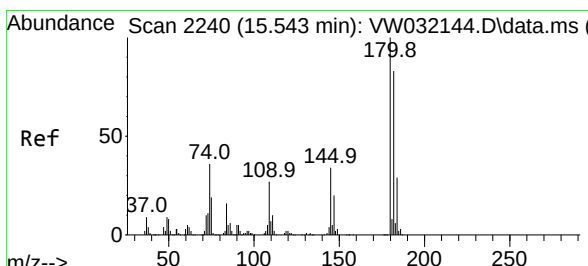
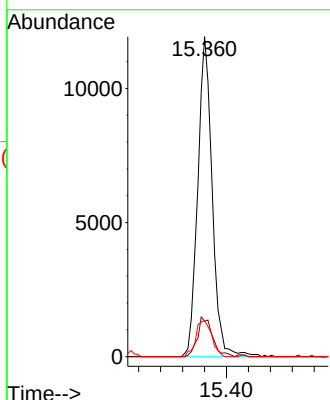
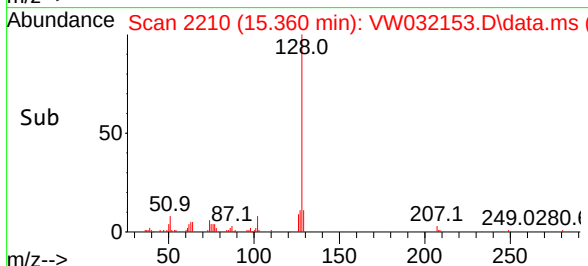
Instrument : MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	12.4	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: 3.296 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.7	143.1
145	33.9	17.2	51.6

