

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032152.D
 Acq On : 28 Aug 2025 12:36
 Operator : SY/MD
 Sample : Q2893-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 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

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
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
41) Methacrylonitrile	7.496	41	3096	2.719	ug/l #	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	11660	5.289	ug/l #	1
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...	12.617	75	86069	105.124	ug/l #	5
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

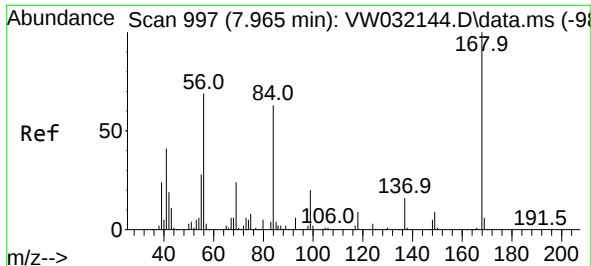
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

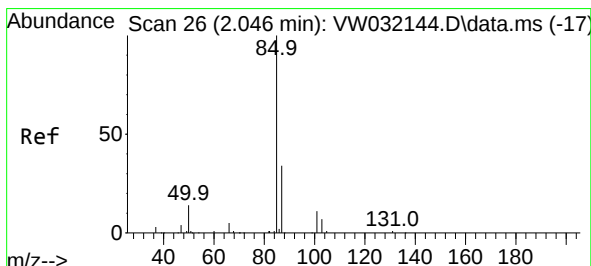
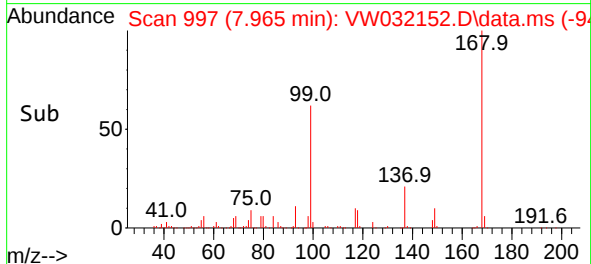
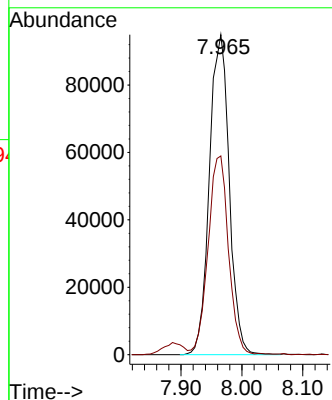
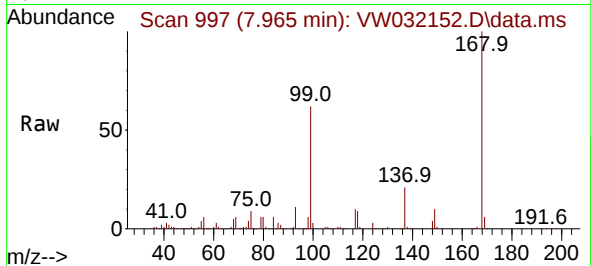
(#)=qualifier out of range (m)=manual integration (+)=signals summed						



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032152.D
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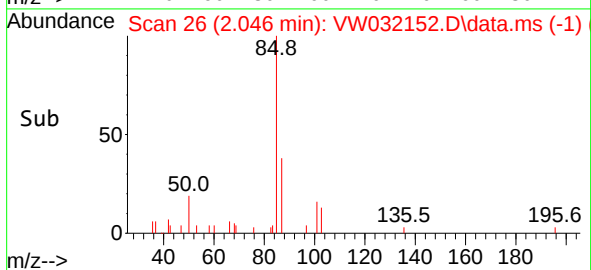
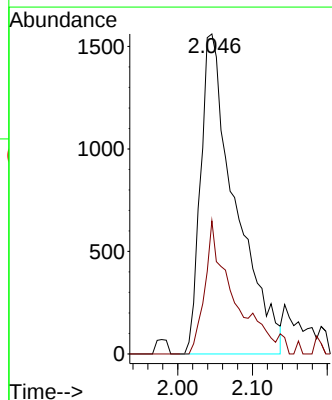
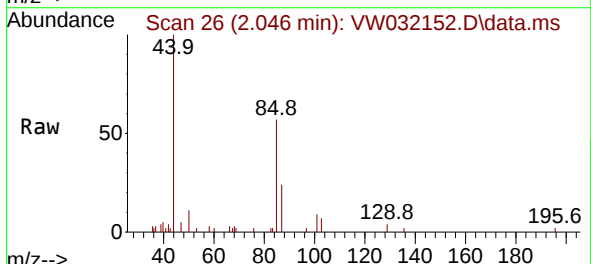
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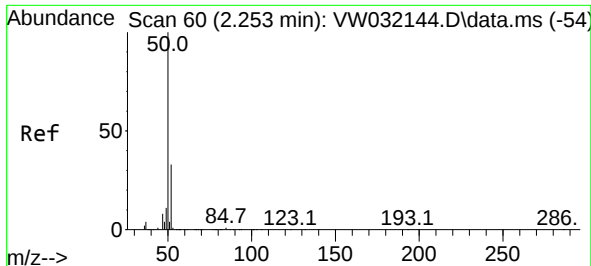
Tgt Ion:168 Resp: 214959
Ion Ratio Lower Upper
168 100
99 61.9 49.3 73.9



#2
Dichlorodifluoromethane
Concen: 3.550 ug/l
RT: 2.046 min Scan# 26
Delta R.T. -0.000 min
Lab File: VW032152.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

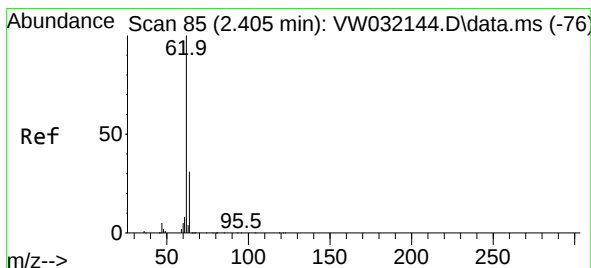
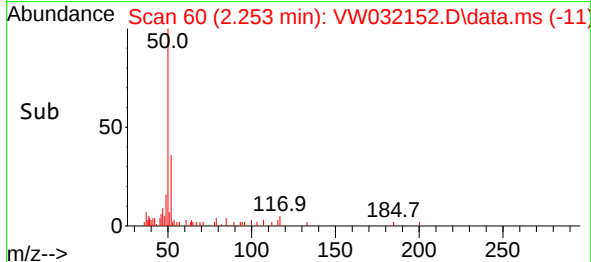
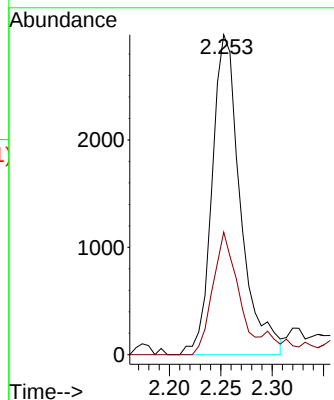
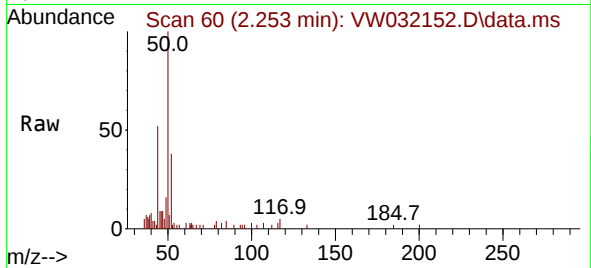




#3
Chloromethane
Concen: 3.853 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

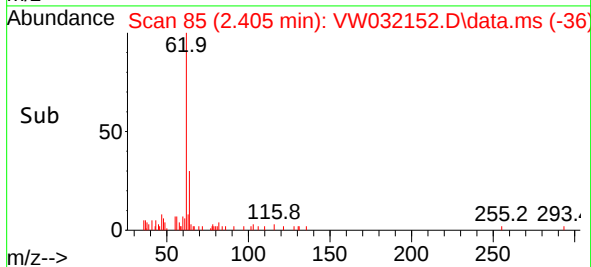
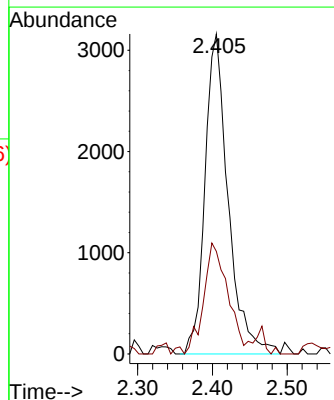
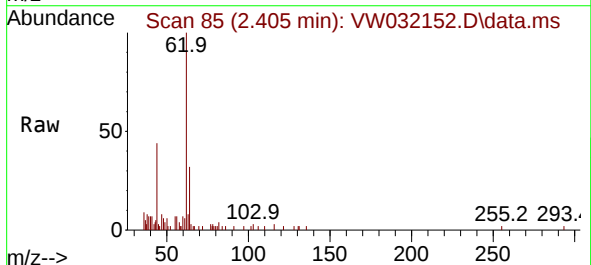
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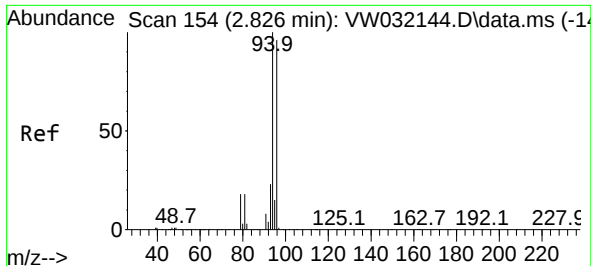
Tgt Ion: 50 Resp: 5734
Ion Ratio Lower Upper
50 100
52 38.3 26.1 39.1



#4
Vinyl Chloride
Concen: 3.524 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032152.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

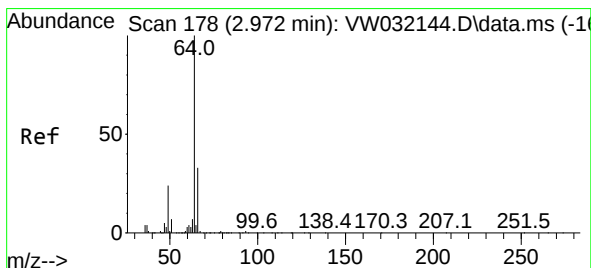
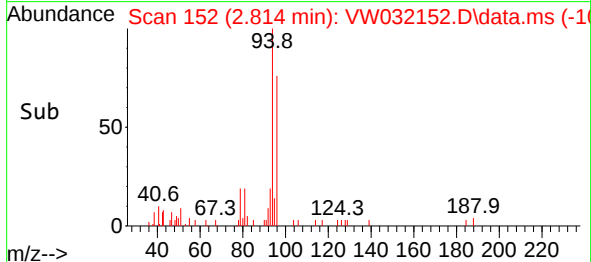
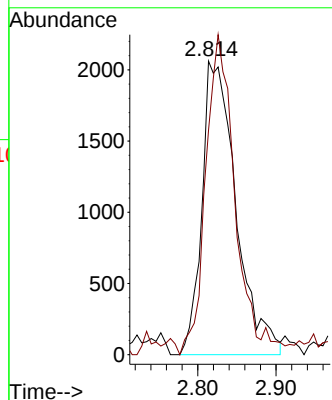
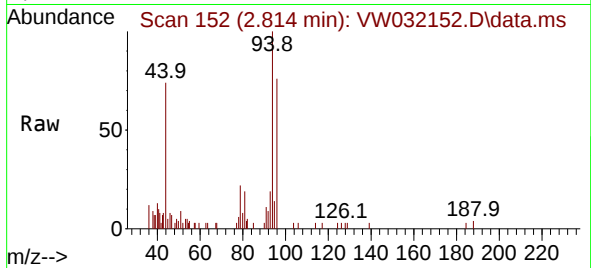




#5
Bromomethane
Concen: 3.607 ug/l
RT: 2.814 min Scan# 11
Delta R.T. -0.012 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

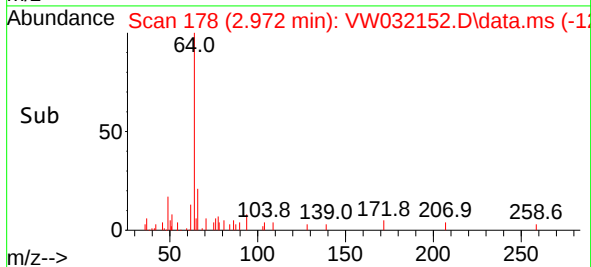
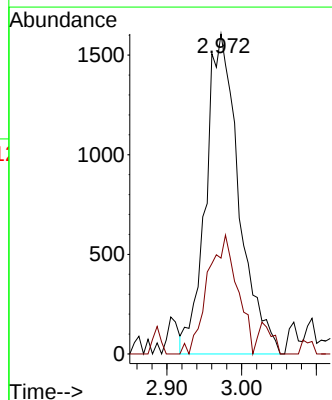
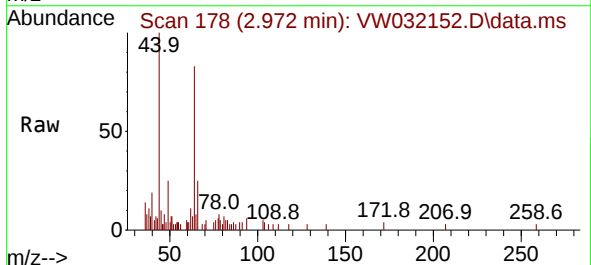
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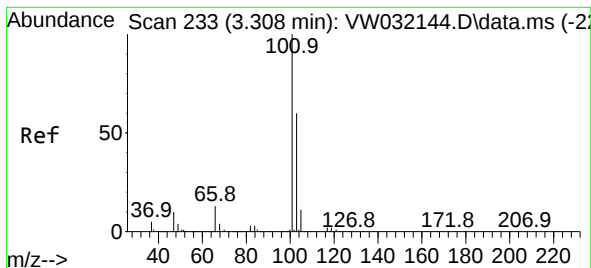
Tgt Ion: 94 Resp: 6225
Ion Ratio Lower Upper
94 100
96 76.4 76.6 115.0#



#6
Chloroethane
Concen: 3.643 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

Tgt Ion: 64 Resp: 4959
Ion Ratio Lower Upper
64 100
66 30.0 26.2 39.4

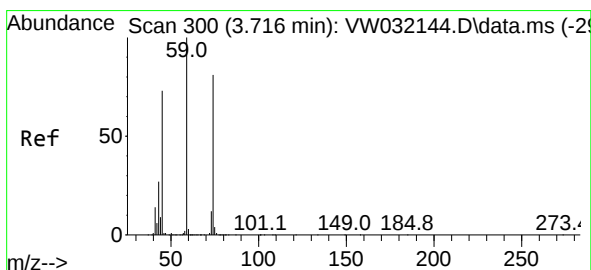
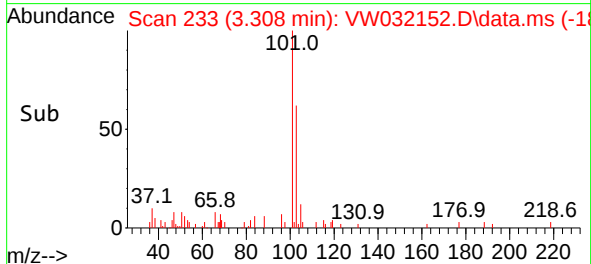
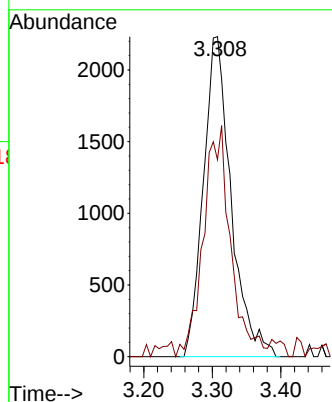
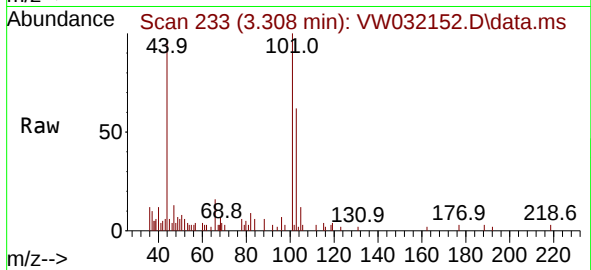




#7
Trichlorofluoromethane
Concen: 3.275 ug/l
RT: 3.308 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW032152.D
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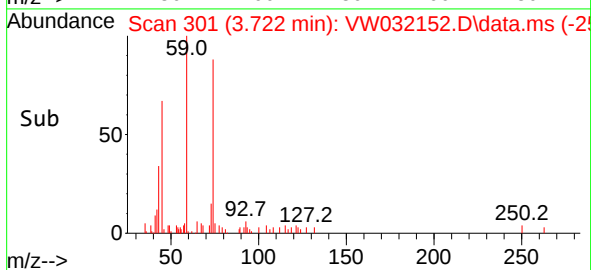
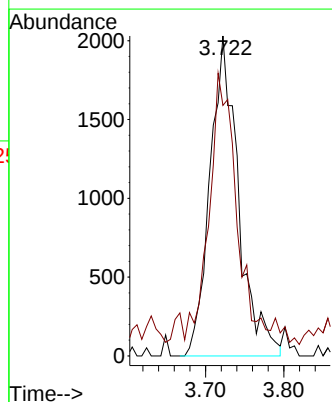
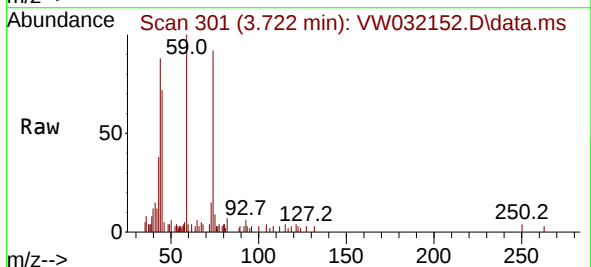
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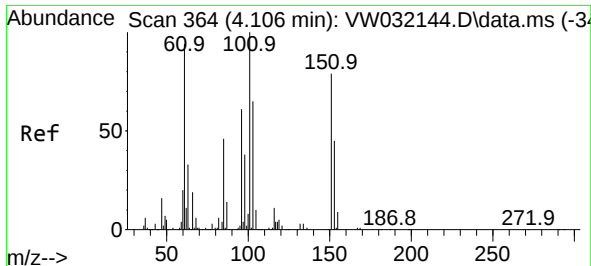
Tgt Ion:101 Resp: 6271
Ion Ratio Lower Upper
101 100
103 57.7 47.8 71.8



#8
Diethyl Ether
Concen: 3.583 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

Tgt Ion: 74 Resp: 5120
Ion Ratio Lower Upper
74 100
45 78.1 43.1 129.4

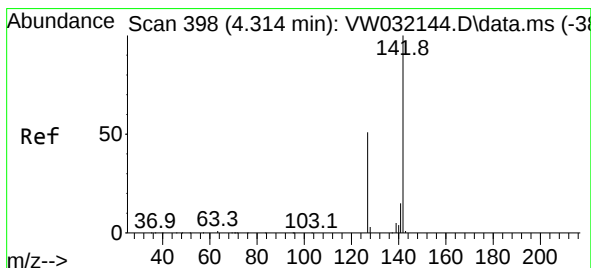
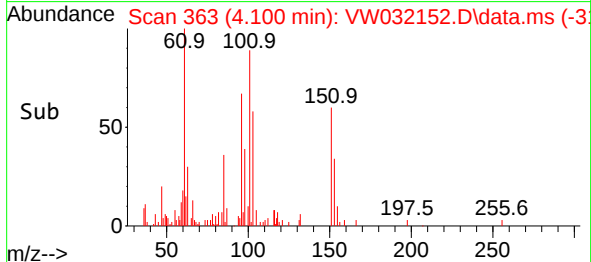
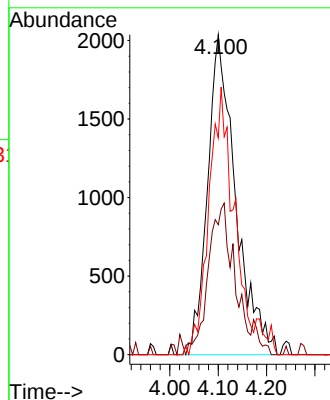
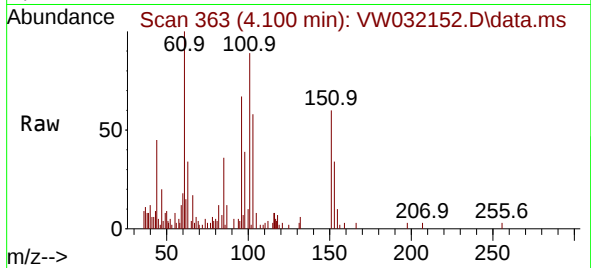




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.812 ug/l
RT: 4.100 min Scan# 30
Delta R.T. -0.006 min
Lab File: VW032152.D
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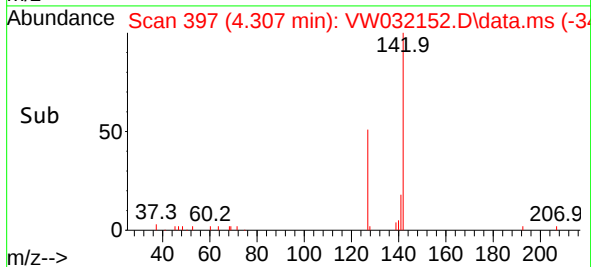
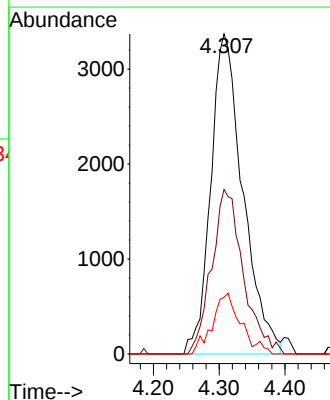
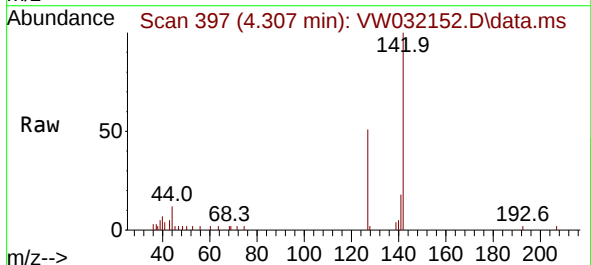
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

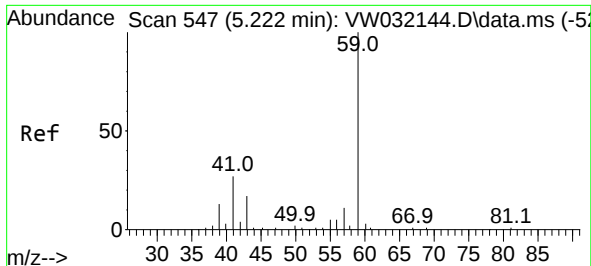
Tgt Ion:	101	Resp:	8223
Ion	Ratio	Lower	Upper
101	100		
85	43.3	37.1	55.7
151	74.0	61.5	92.3



#10
Methyl Iodide
Concen: 3.484 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.006 min
Lab File: VW032152.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

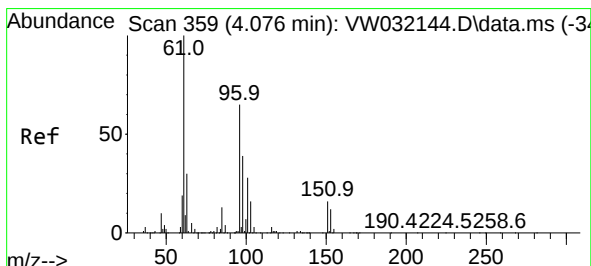
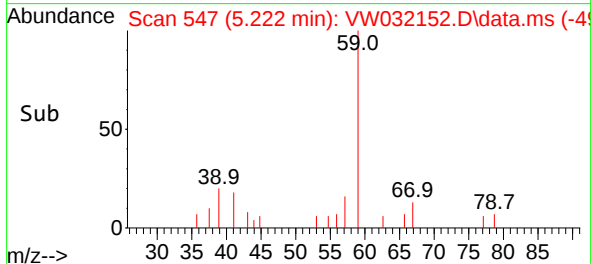
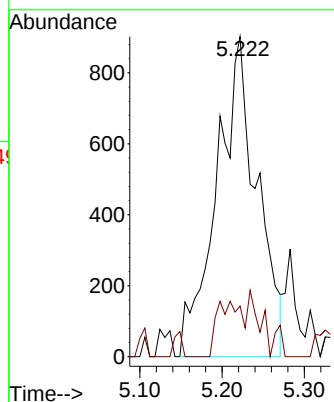
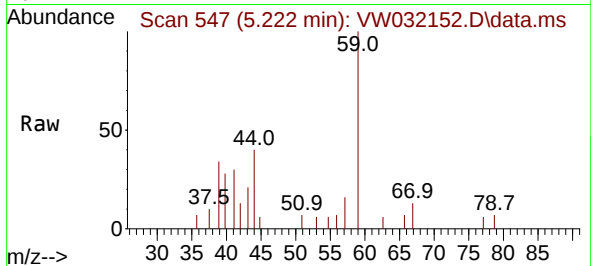




#11
Tert butyl alcohol
Concen: 16.310 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

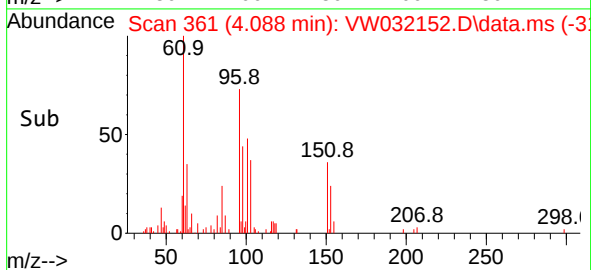
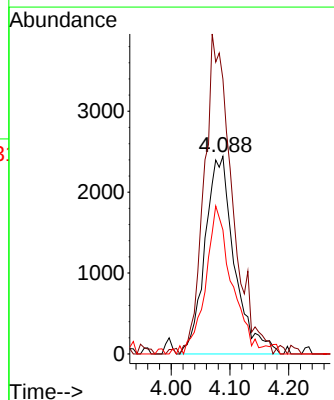
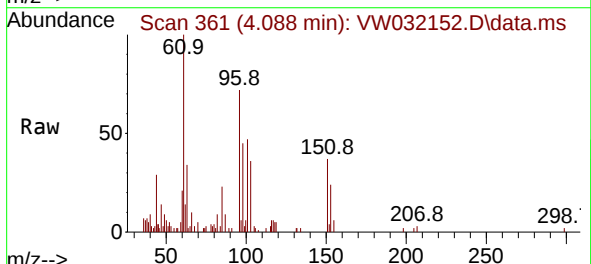
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025

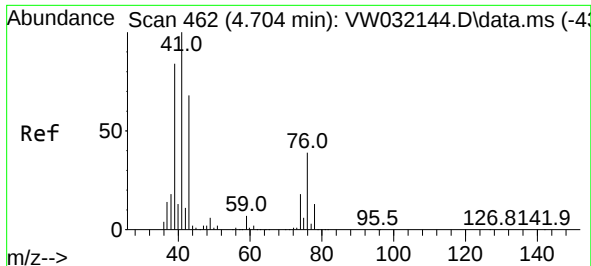
Tgt Ion: 59 Resp: 3067
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#



#12
1,1-Dichloroethene
Concen: 3.739 ug/l
RT: 4.088 min Scan# 361
Delta R.T. 0.012 min
Lab File: VW032152.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

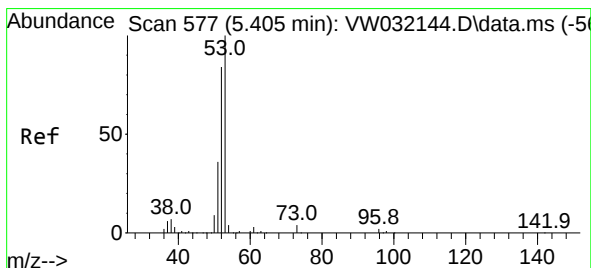
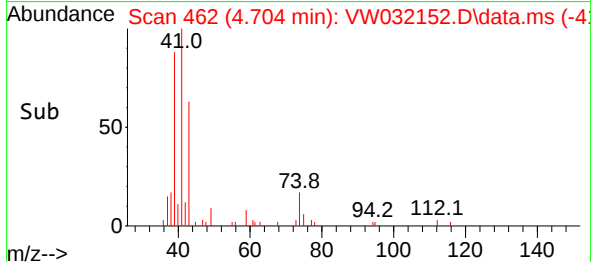
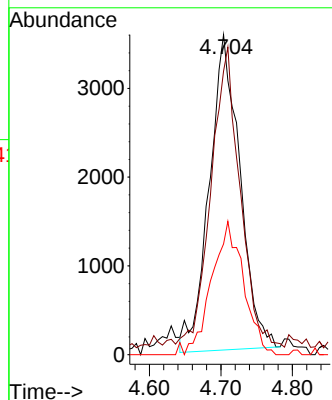
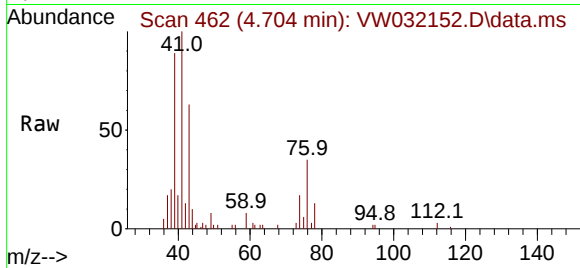




#14
 Allyl chloride
 Concen: 3.272 ug/l
 RT: 4.704 min Scan# 419
 Delta R.T. -0.000 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:36

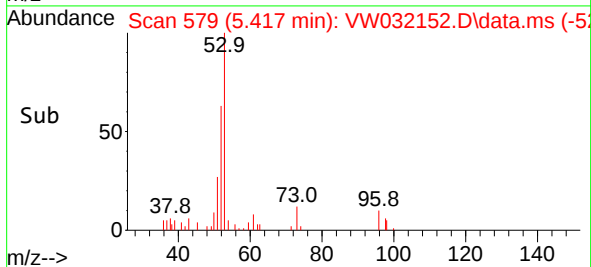
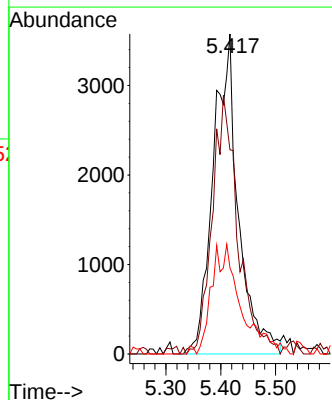
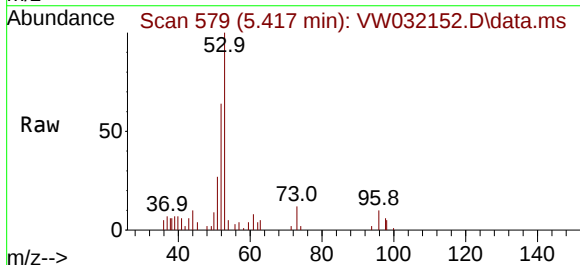
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

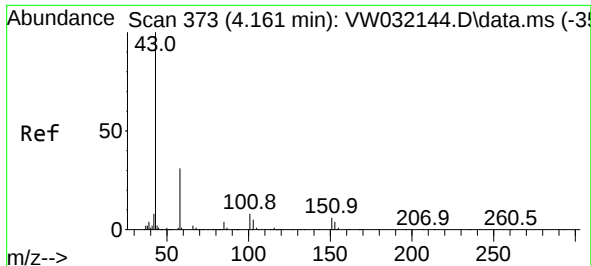
Tgt Ion:	41	Resp:	10559
Ion	Ratio	Lower	Upper
41	100		
39	90.0	64.1	96.1
76	44.3	31.4	47.2



#15
 Acrylonitrile
 Concen: 16.532 ug/l
 RT: 5.417 min Scan# 579
 Delta R.T. 0.012 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:36

Tgt Ion:	53	Resp:	11486
Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.4	101.2
51	0.0	30.3	45.5





#16

Acetone

Concen: 19.762 ug/l

RT: 4.161 min Scan# 31

Delta R.T. -0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

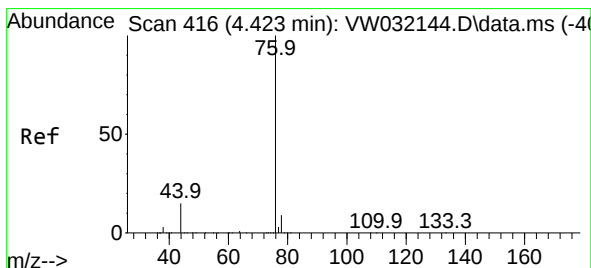
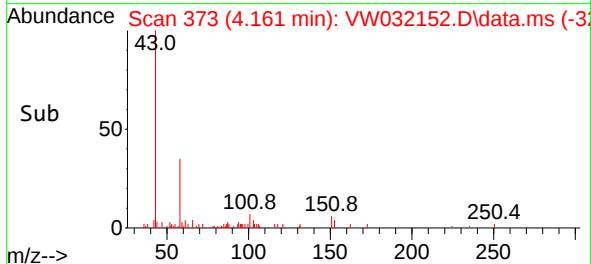
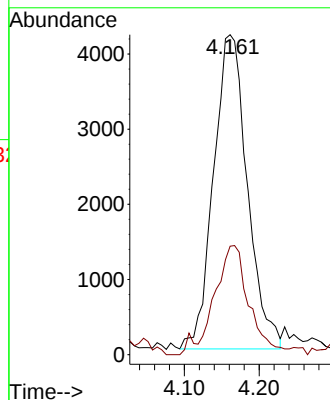
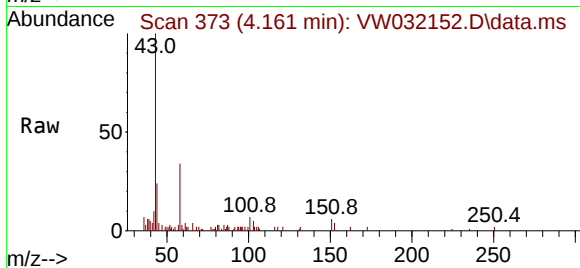
MDL-SOIL-03-QT3-2025

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: VW032152.D

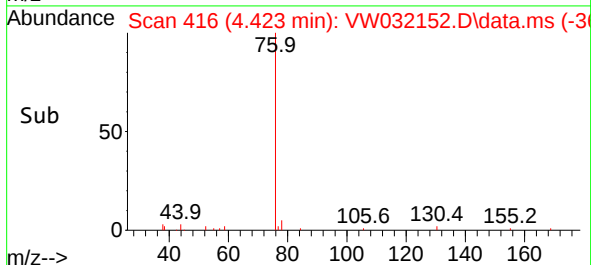
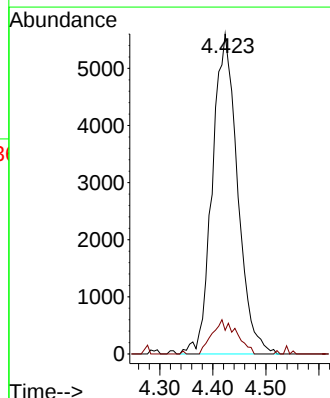
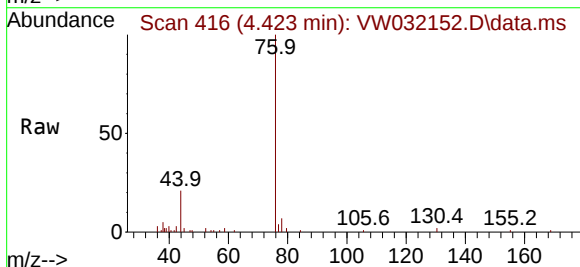
Acq: 28 Aug 2025 12:36

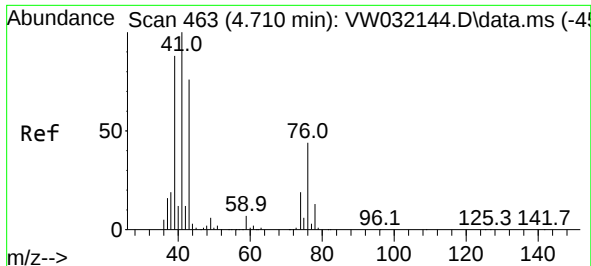
Tgt Ion: 76 Resp: 18535

Ion Ratio Lower Upper

76 100

78 7.4 7.0 10.6

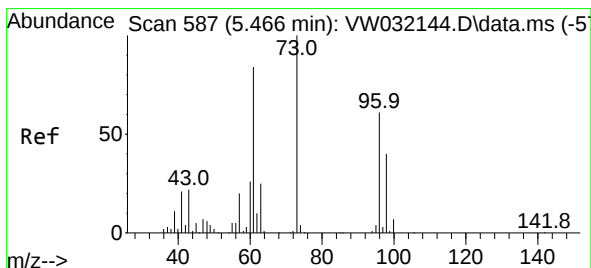
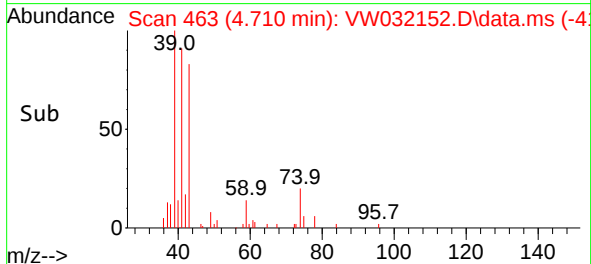
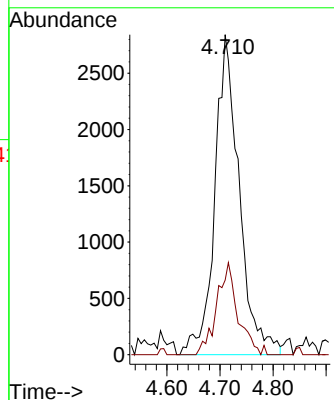
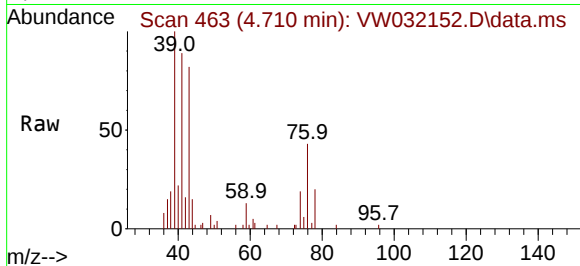




#18
Methyl Acetate
Concen: 4.284 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

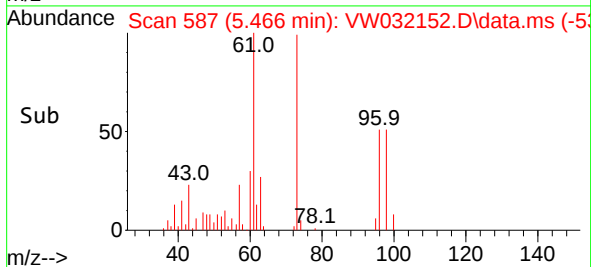
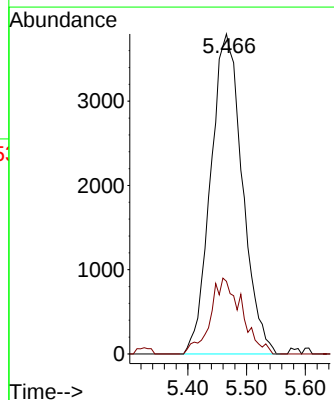
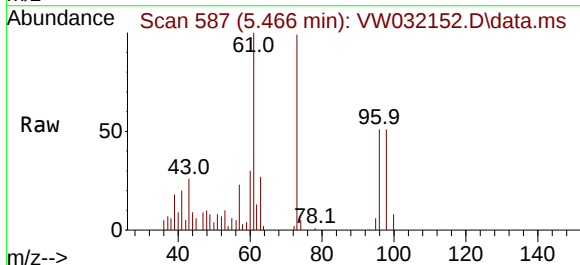
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

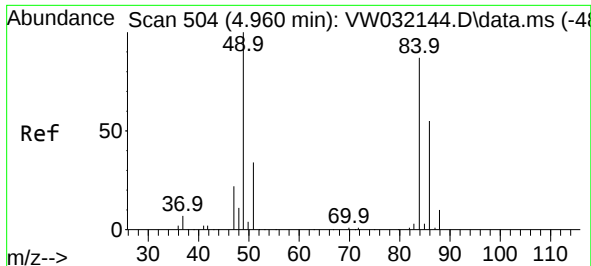
Tgt Ion: 43 Resp: 9087
Ion Ratio Lower Upper
43 100
74 24.7 20.2 30.4



#19
Methyl tert-butyl Ether
Concen: 3.316 ug/l
RT: 5.466 min Scan# 587
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

Tgt Ion: 73 Resp: 14227
Ion Ratio Lower Upper
73 100
57 22.7 16.2 24.4

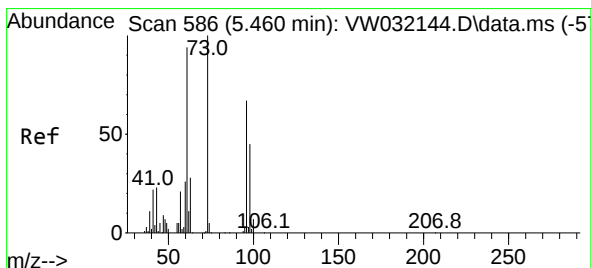
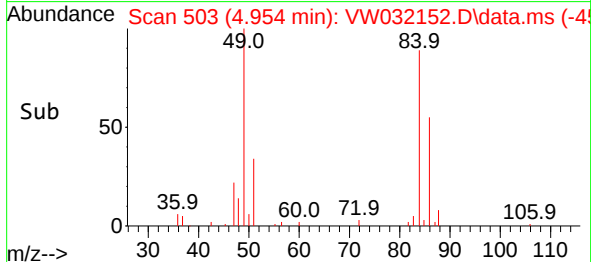
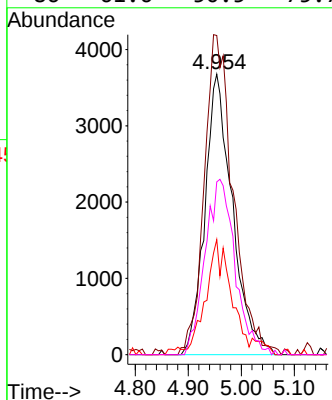
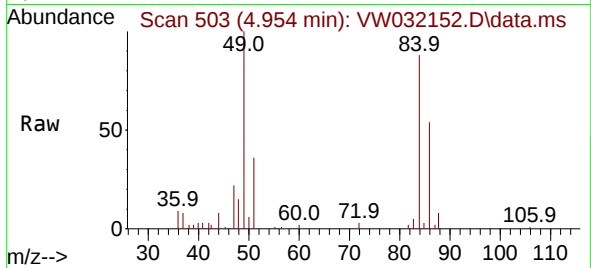




#20
Methylene Chloride
Concen: 4.241 ug/l
RT: 4.954 min Scan# 504
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

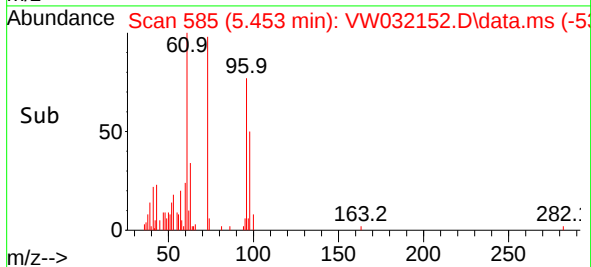
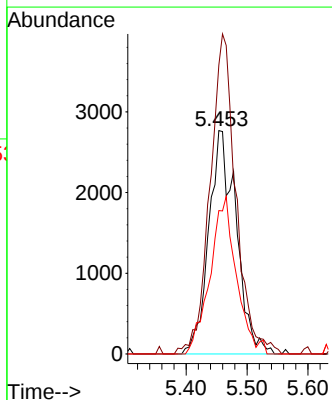
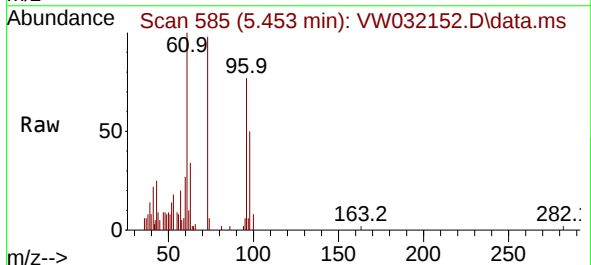
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

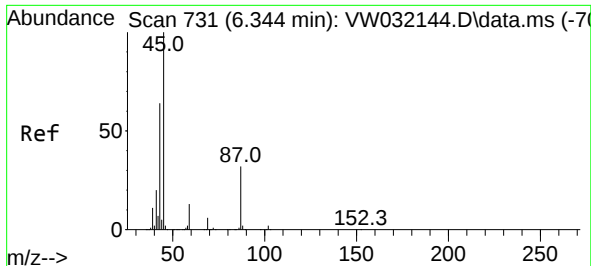
Tgt Ion:	84	Resp:	13215
Ion	Ratio	Lower	Upper
84	100		
49	113.8	92.2	138.4
51	41.1	31.0	46.6
86	61.6	50.5	75.7



#21
trans-1,2-Dichloroethene
Concen: 3.408 ug/l
RT: 5.453 min Scan# 585
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

Tgt Ion:	96	Resp:	8648
Ion	Ratio	Lower	Upper
96	100		
61	127.3	112.5	168.7
98	64.2	54.2	81.4

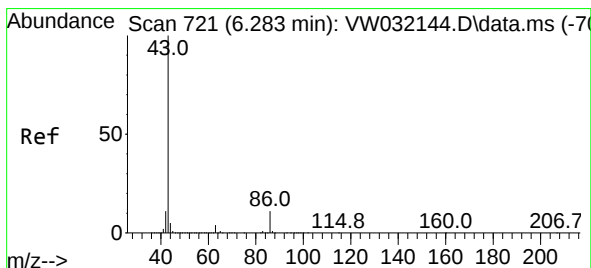
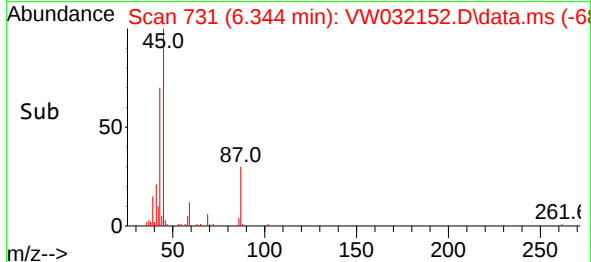
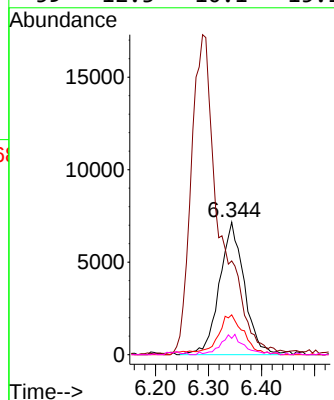
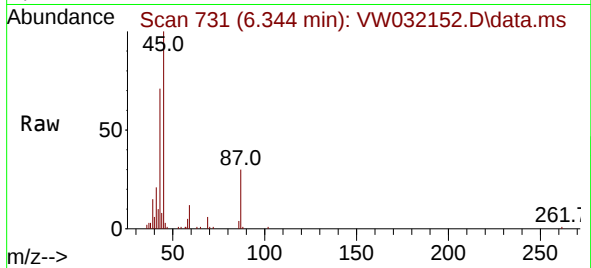




#22
Diisopropyl ether
Concen: 3.305 ug/l
RT: 6.344 min Scan# 711
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

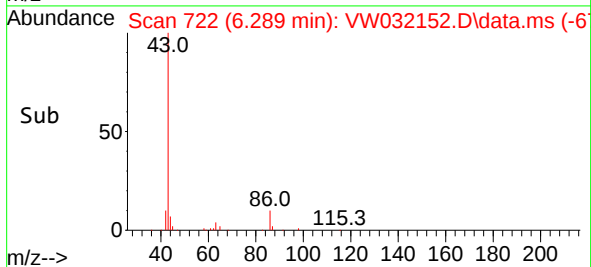
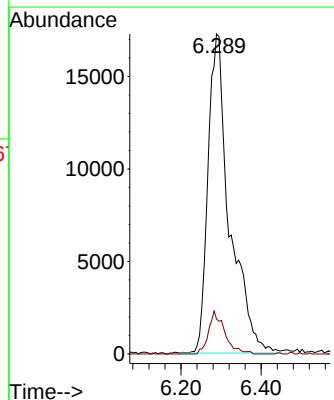
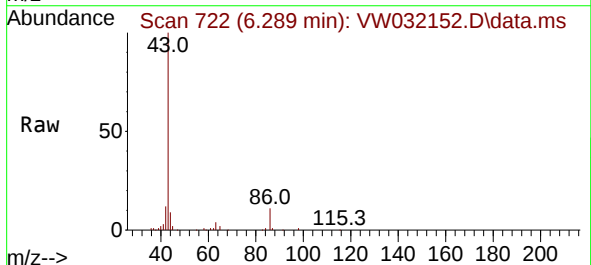
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

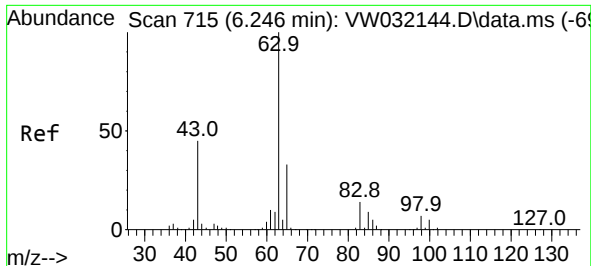
Tgt Ion:	45	Resp:	23211
Ion	Ratio	Lower	Upper
45	100		
43	67.4	51.4	77.2
87	30.1	25.9	38.9
59	12.3	10.1	15.1



#23
Vinyl Acetate
Concen: 13.488 ug/l
RT: 6.289 min Scan# 722
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

Tgt Ion:	43	Resp:	64407
Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.8	13.2

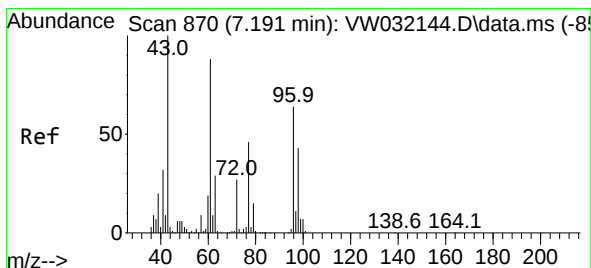
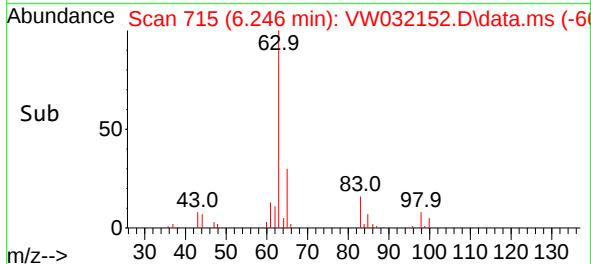
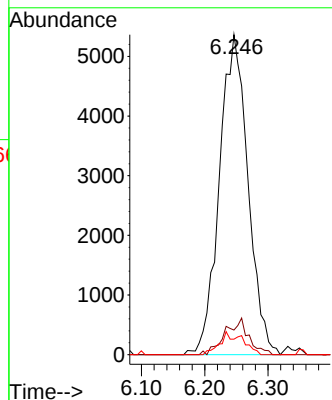
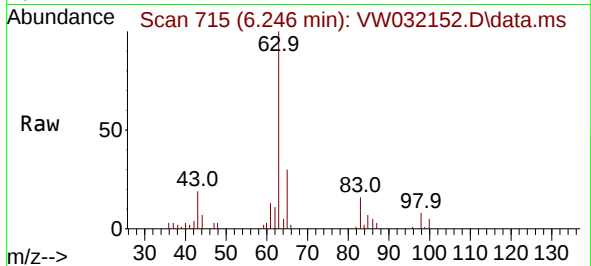




#24
1,1-Dichloroethane
Concen: 3.664 ug/l
RT: 6.246 min Scan# 715
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

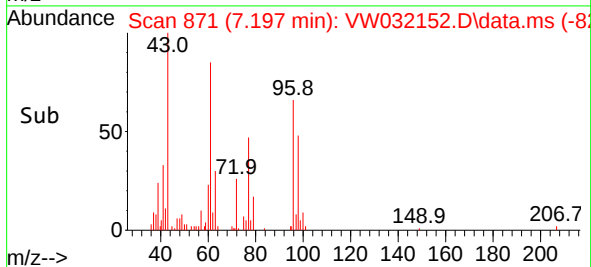
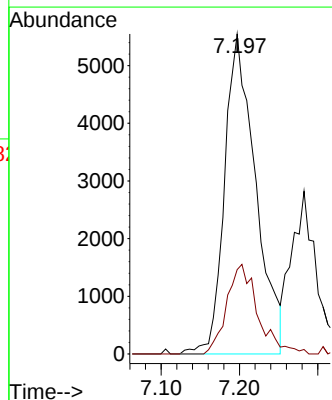
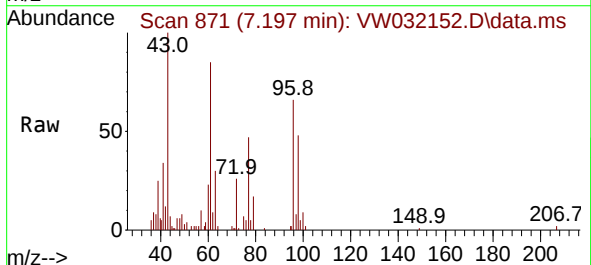
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

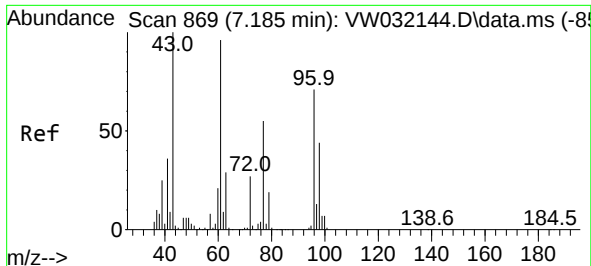
Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.8	11.2
100	4.8	2.5	7.5



#25
2-Butanone
Concen: 16.213 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.3	21.4	32.2





#26

2,2-Dichloropropane

Concen: 3.502 ug/l

RT: 7.185 min Scan# 869

Delta R.T. -0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

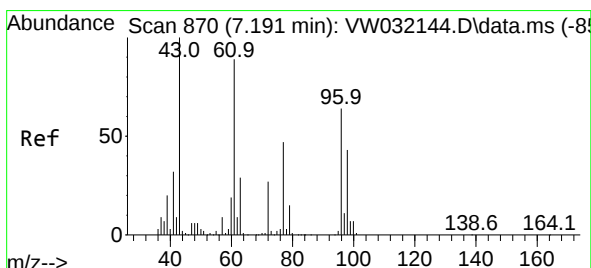
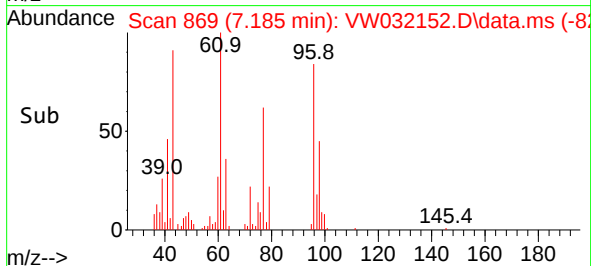
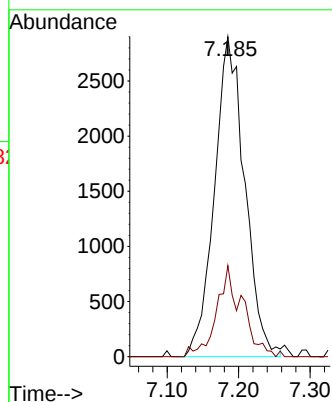
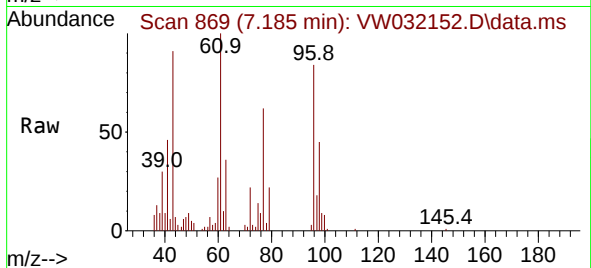
MDL-SOIL-03-QT3-2025

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# 869

Delta R.T. -0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

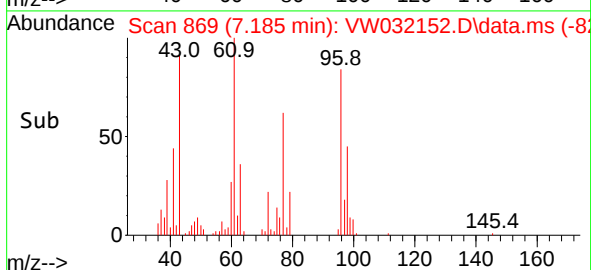
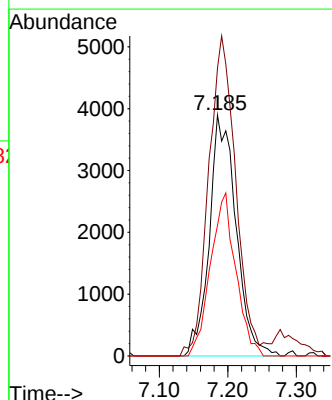
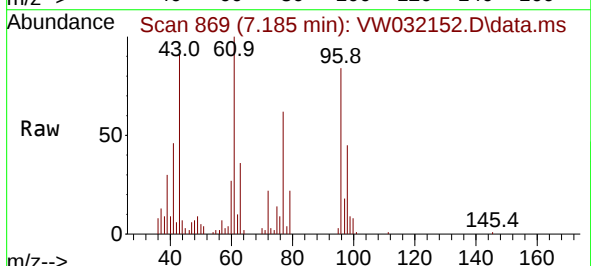
Tgt Ion: 96 Resp: 10564

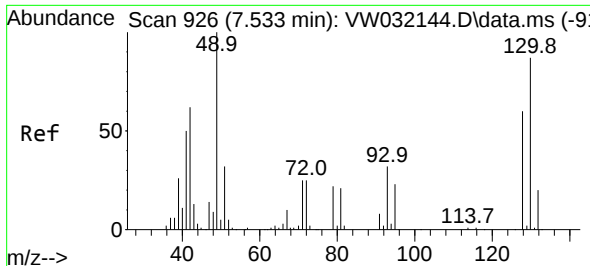
Ion Ratio Lower Upper

96 100

61 135.1 0.0 268.0

98 64.0 0.0 130.8

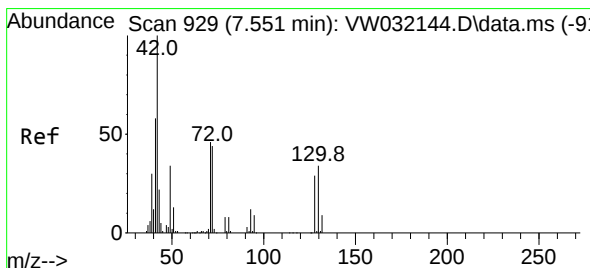
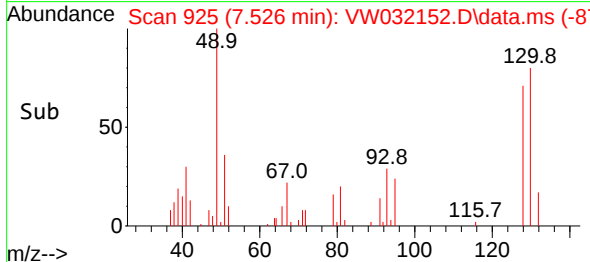
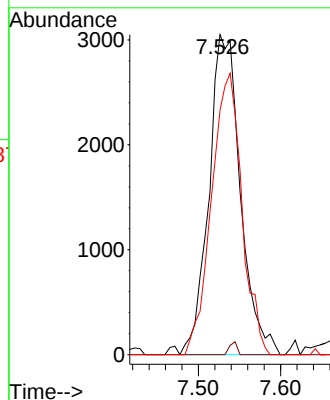
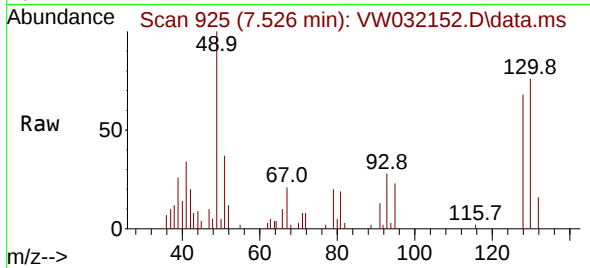




#28
Bromochloromethane
Concen: 3.854 ug/l
RT: 7.526 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

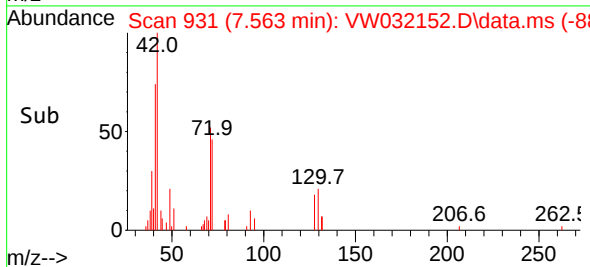
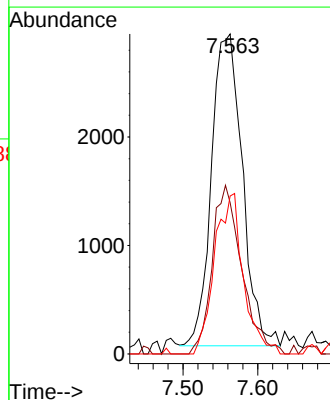
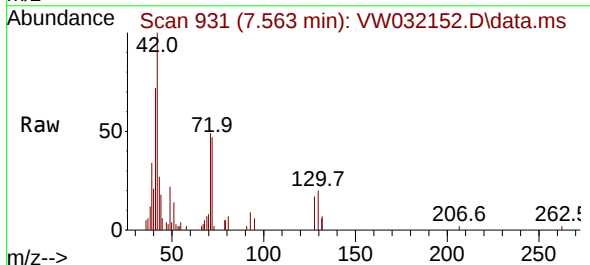
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

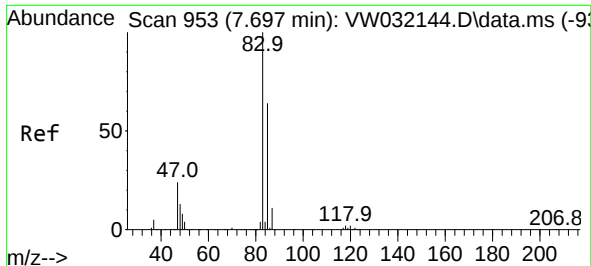
Tgt Ion: 49 Resp: 8112
Ion Ratio Lower Upper
49 100
129 0.9 0.0 4.2
130 84.9 67.5 101.3



#29
Tetrahydrofuran
Concen: 13.781 ug/l
RT: 7.563 min Scan# 931
Delta R.T. 0.012 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

Tgt Ion: 42 Resp: 8262
Ion Ratio Lower Upper
42 100
72 51.8 37.4 56.2
71 47.9 36.0 54.0

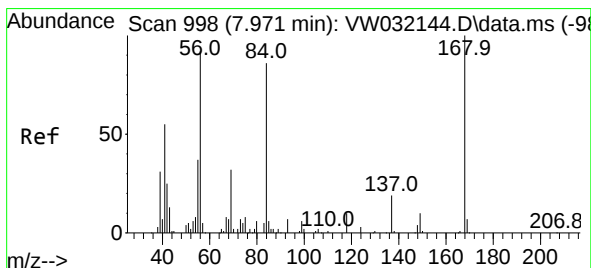
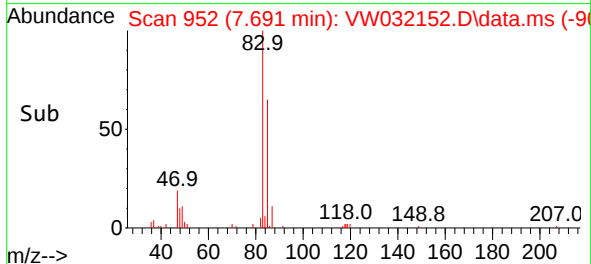
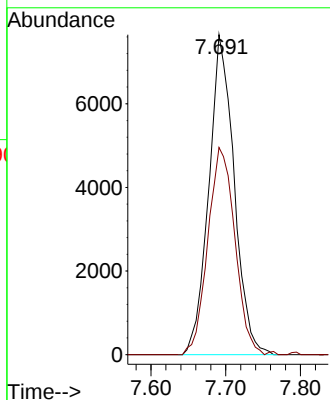
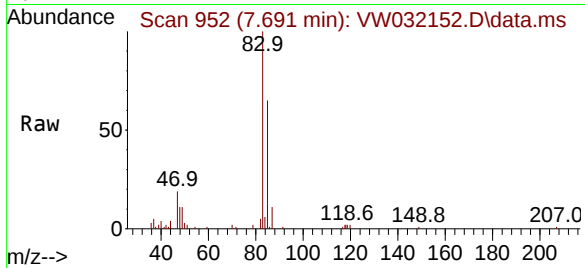




#30
Chloroform
Concen: 3.431 ug/l
RT: 7.691 min Scan# 910
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

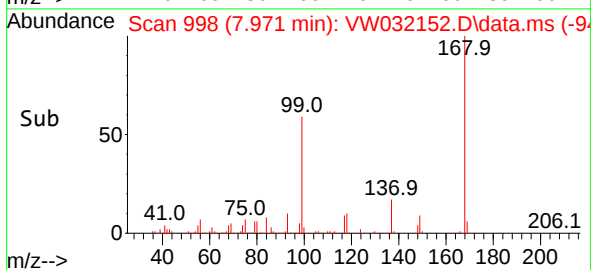
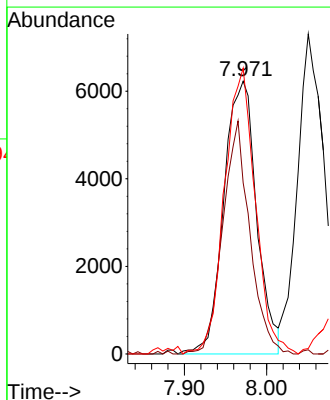
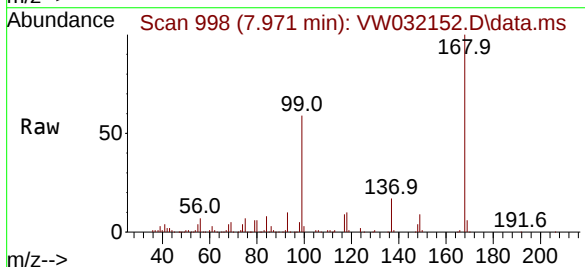
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

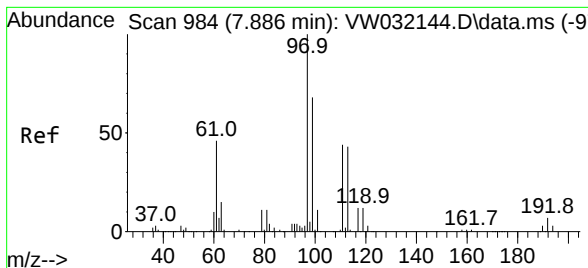
Tgt Ion: 83 Resp: 18010
Ion Ratio Lower Upper
83 100
85 64.7 51.2 76.8



#31
Cyclohexane
Concen: 4.576 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

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





#32

1,1,1-Trichloroethane

Concen: 3.665 ug/l

RT: 7.892 min Scan# 9

Delta R.T. 0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025

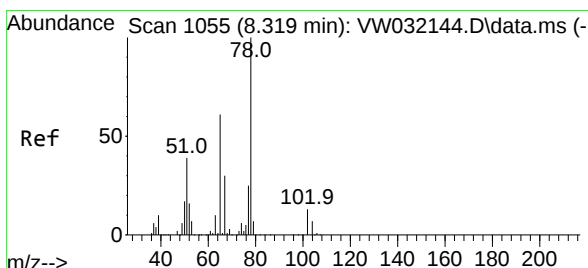
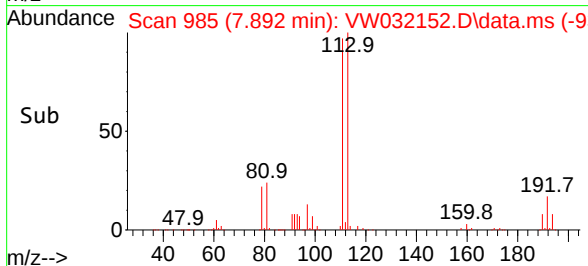
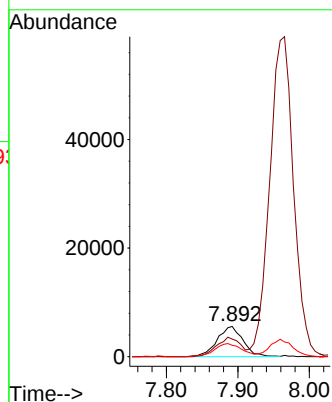
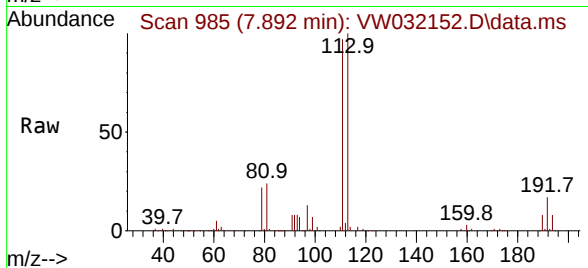
Tgt Ion: 97 Resp: 14047

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: VW032152.D

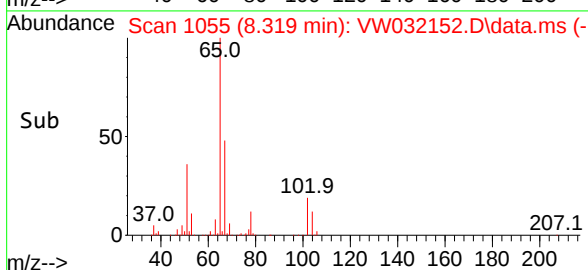
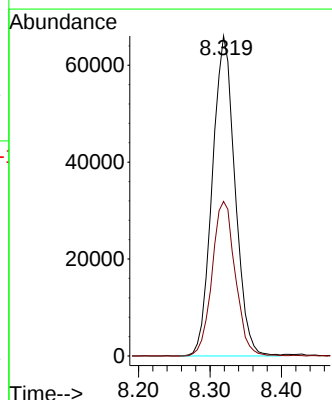
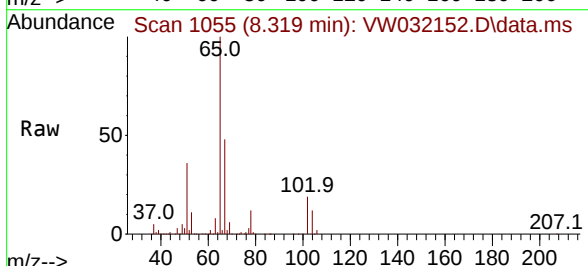
Acq: 28 Aug 2025 12:36

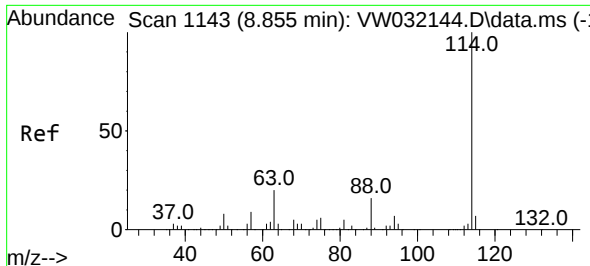
Tgt Ion: 65 Resp: 145654

Ion Ratio Lower Upper

65 100

67 49.2 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025

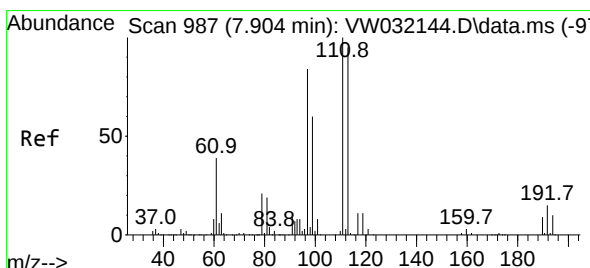
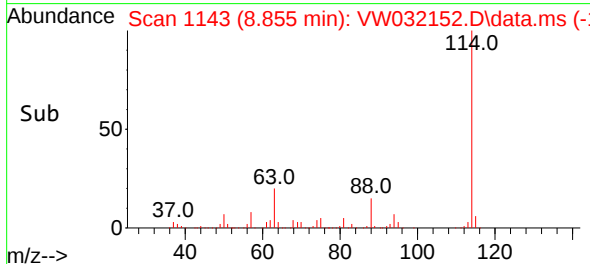
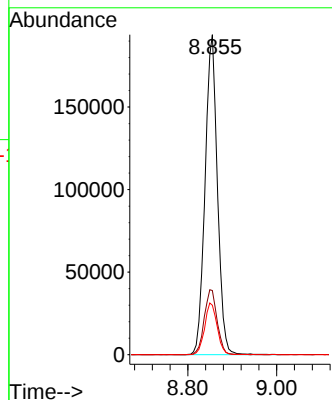
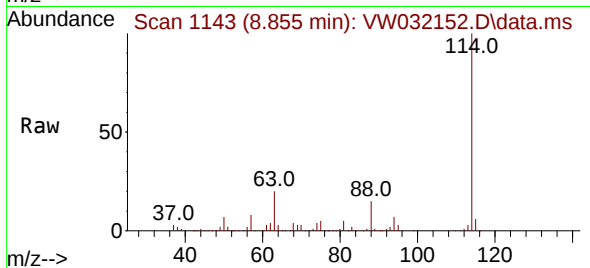
Tgt Ion:114 Resp: 375570

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: VW032152.D

Acq: 28 Aug 2025 12:36

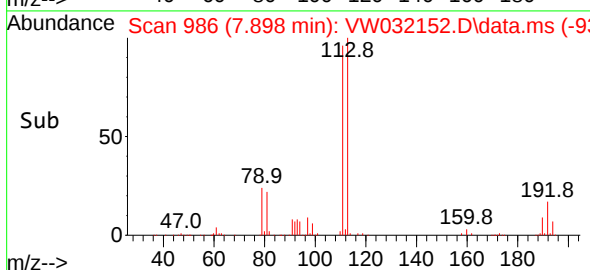
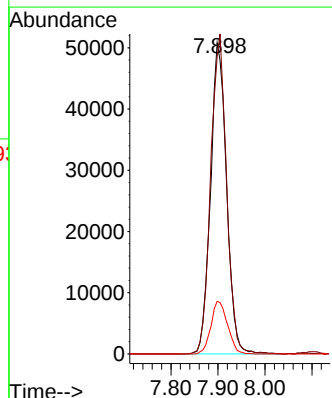
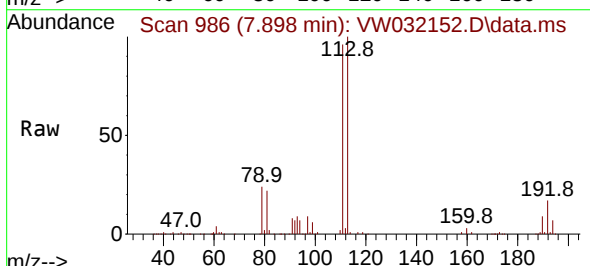
Tgt Ion:113 Resp: 120103

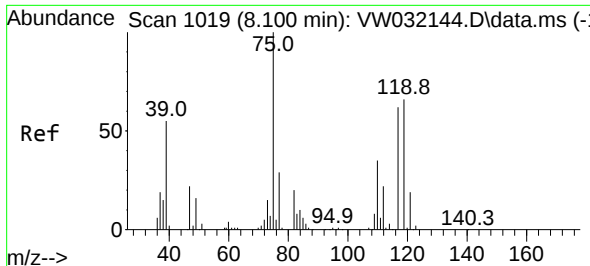
Ion Ratio Lower Upper

113 100

111 101.7 83.9 125.9

192 17.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 3.432 ug/l

RT: 8.099 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025

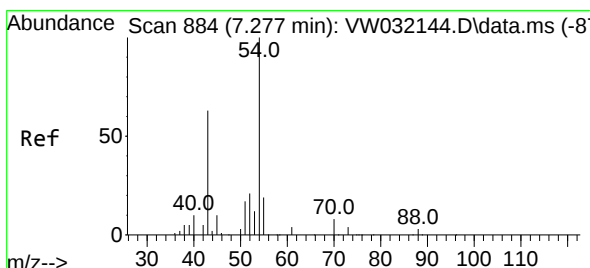
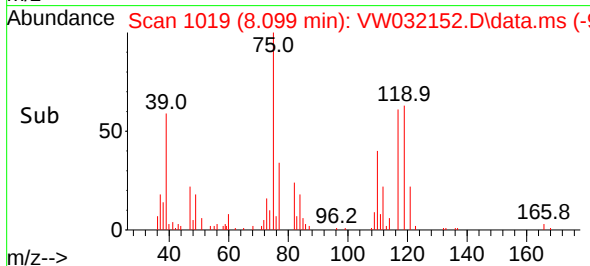
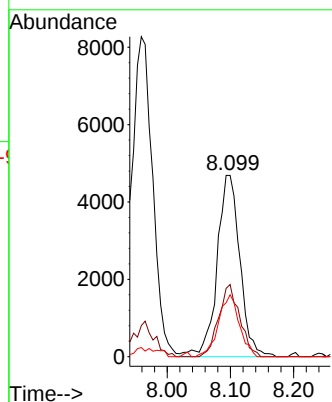
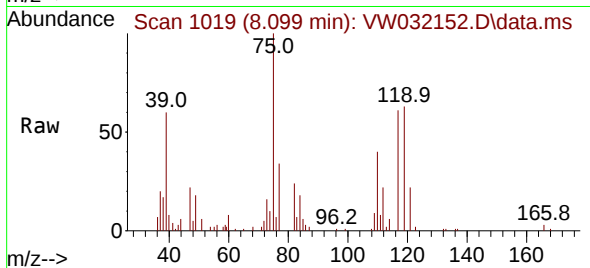
Tgt Ion: 75 Resp: 11724

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# 885

Delta R.T. 0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

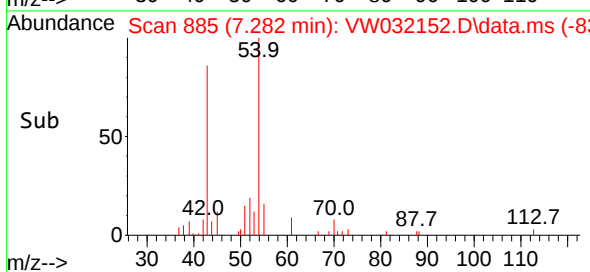
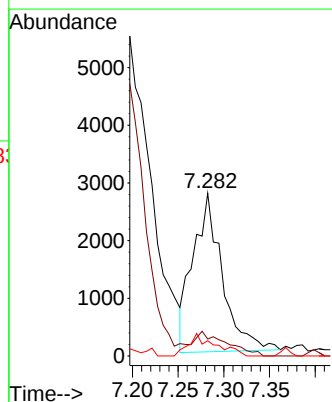
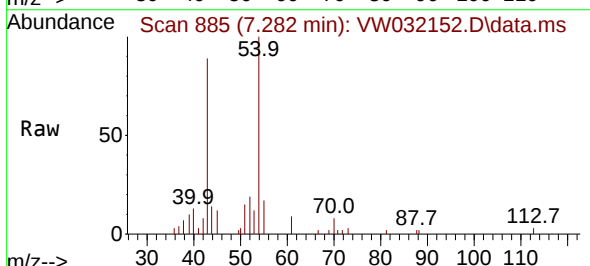
Tgt Ion: 43 Resp: 6131

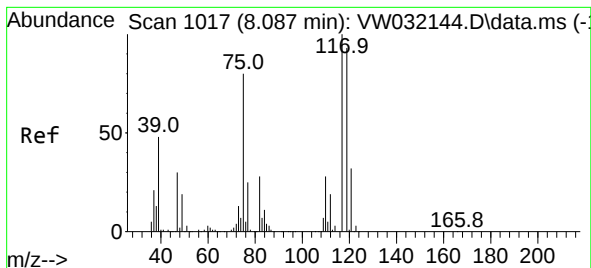
Ion Ratio Lower Upper

43 100

61 15.9 11.3 16.9

70 12.9 8.9 13.3





#38

Carbon Tetrachloride

Concen: 3.430 ug/l

RT: 8.087 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025

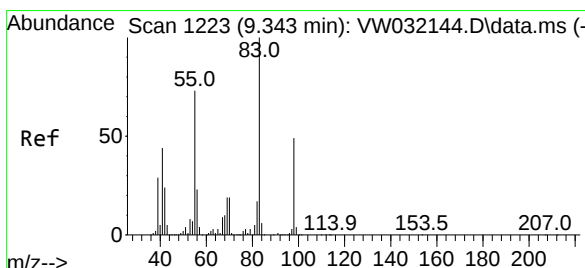
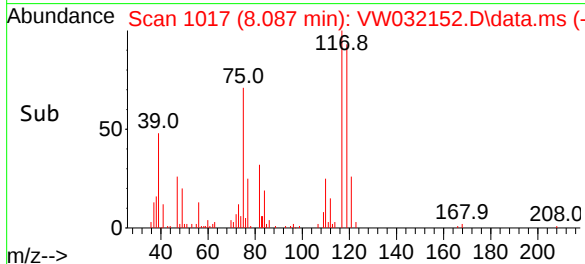
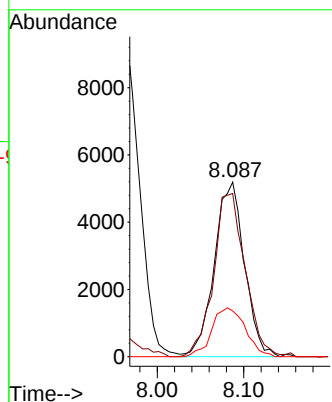
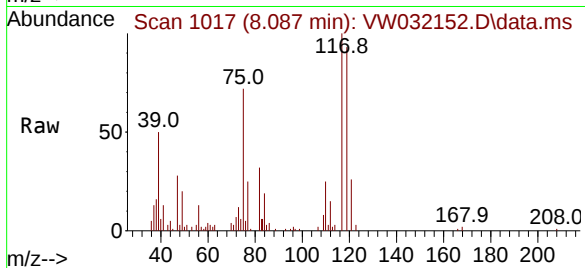
Tgt Ion:117 Resp: 12564

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: VW032152.D

Acq: 28 Aug 2025 12:36

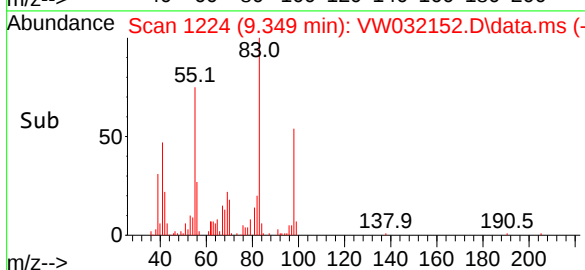
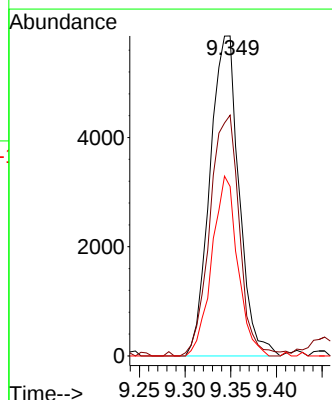
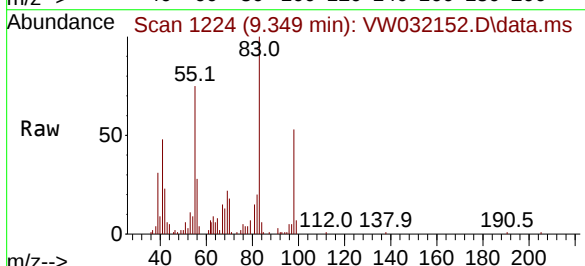
Tgt Ion: 83 Resp: 12983

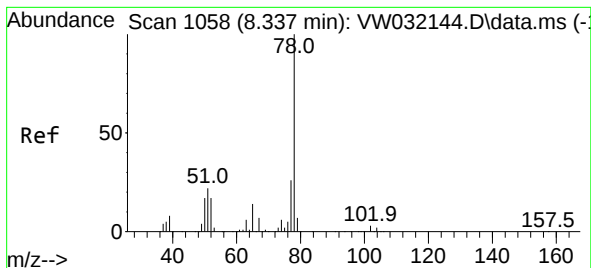
Ion Ratio Lower Upper

83 100

55 75.3 58.4 87.6

98 52.9 39.4 59.2





#40

Benzene

Concen: 3.434 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

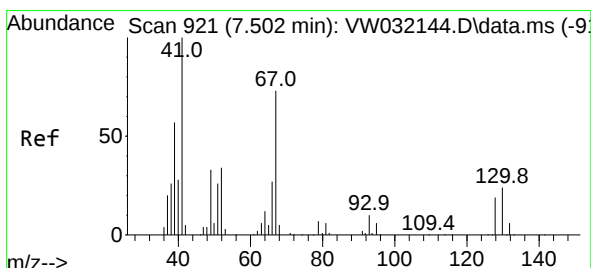
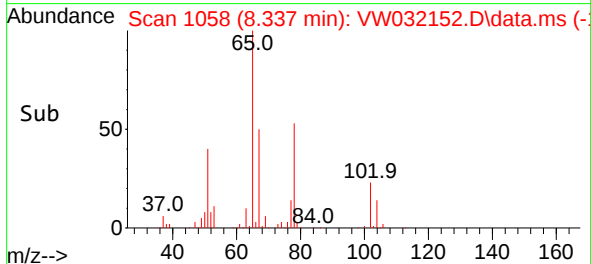
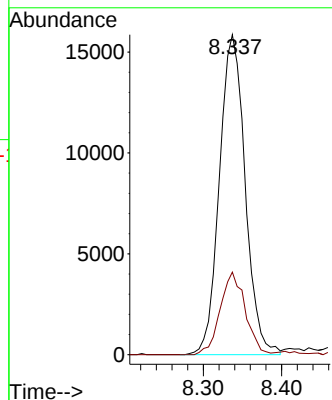
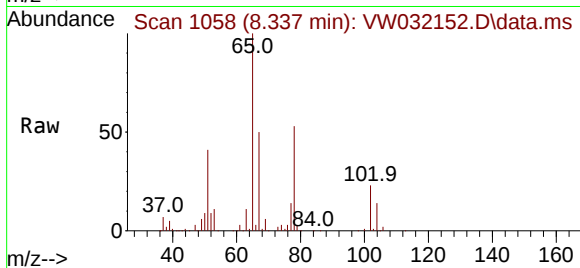
MDL-SOIL-03-QT3-2025

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# 920

Delta R.T. -0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Tgt Ion: 41 Resp: 3096

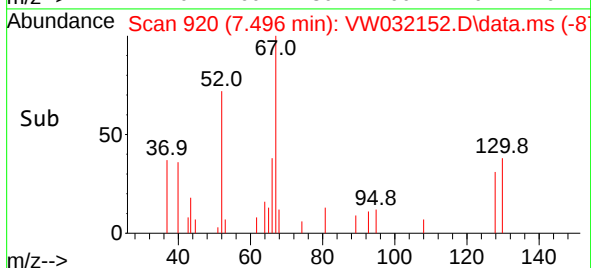
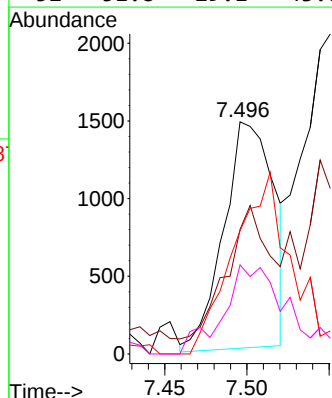
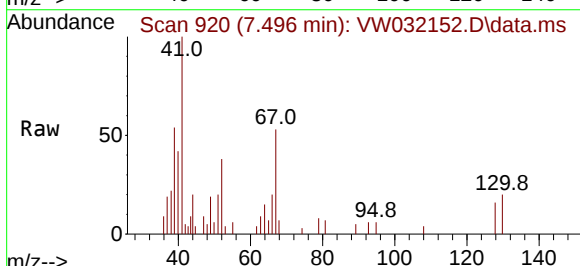
Ion Ratio Lower Upper

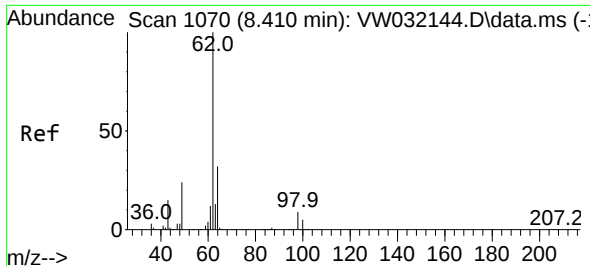
41 100

39 57.1 50.9 76.3

67 96.0 65.6 98.4

52 51.8 29.1 43.7#





#42

1,2-Dichloroethane

Concen: 3.437 ug/l

RT: 8.410 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

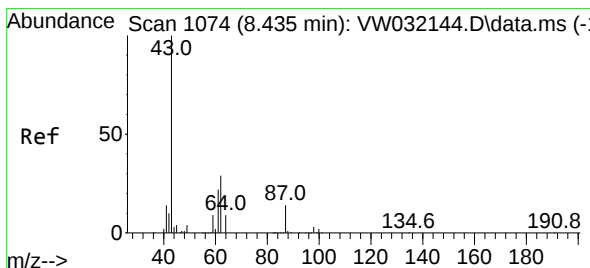
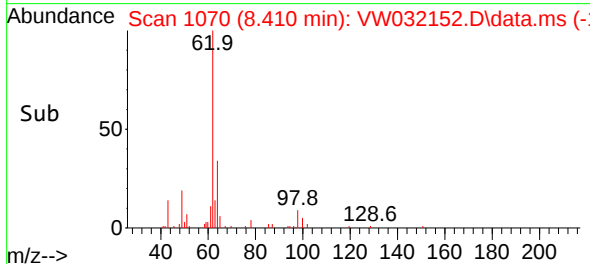
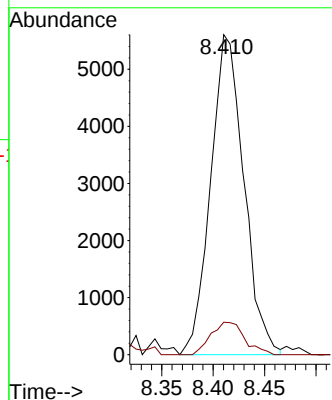
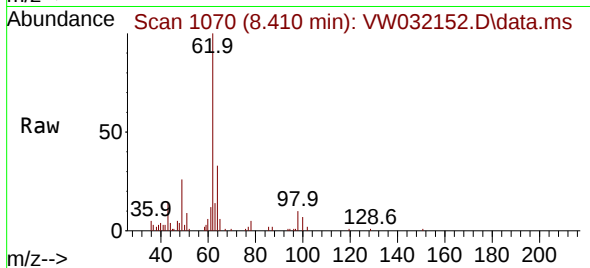
MDL-SOIL-03-QT3-2025

Tgt Ion: 62 Resp: 12583

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# 1073

Delta R.T. -0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

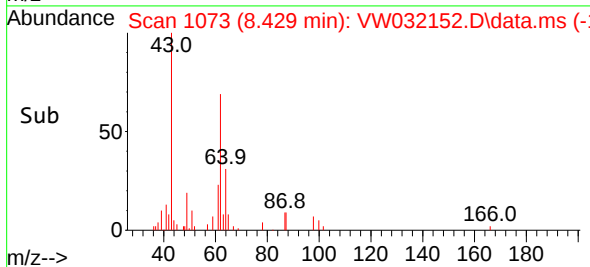
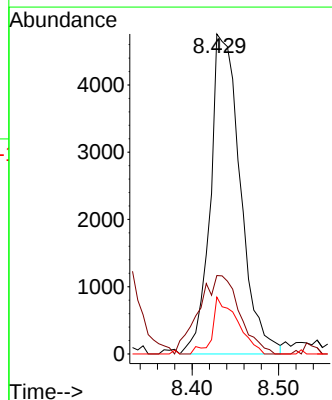
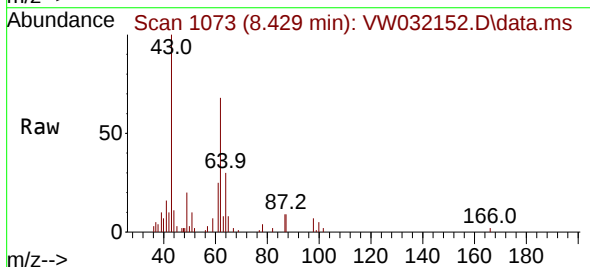
Tgt Ion: 43 Resp: 11488

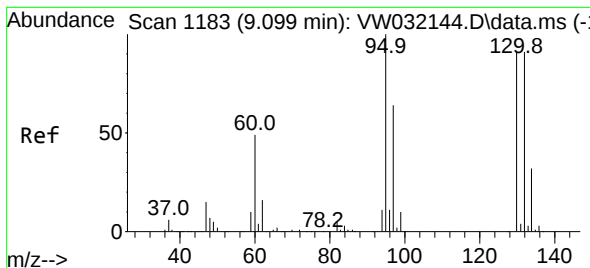
Ion Ratio Lower Upper

43 100

61 33.2 23.3 34.9

87 14.7 11.1 16.7





#44

Trichloroethene

Concen: 3.693 ug/l

RT: 9.099 min Scan# 1183

Delta R.T. -0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

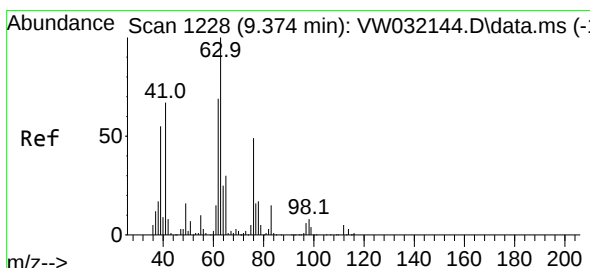
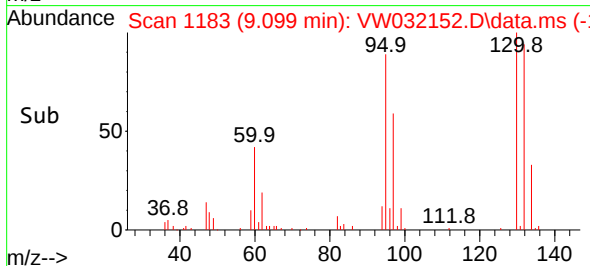
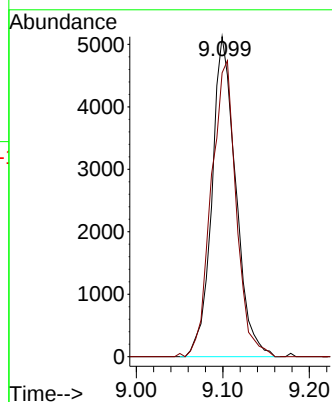
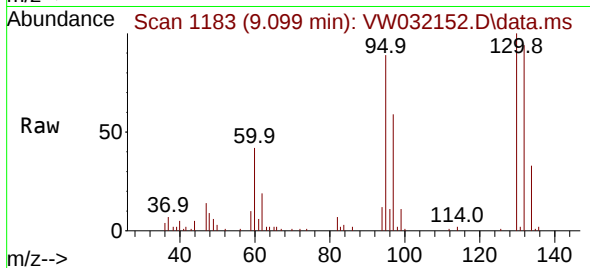
MDL-SOIL-03-QT3-2025

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: VW032152.D

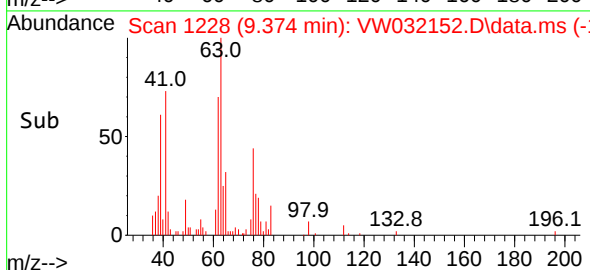
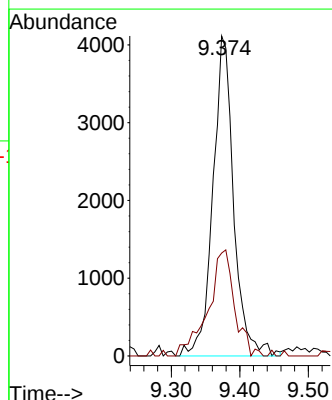
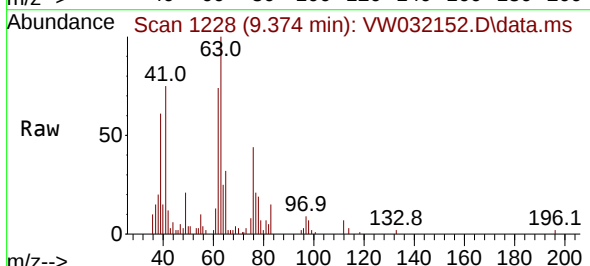
Acq: 28 Aug 2025 12:36

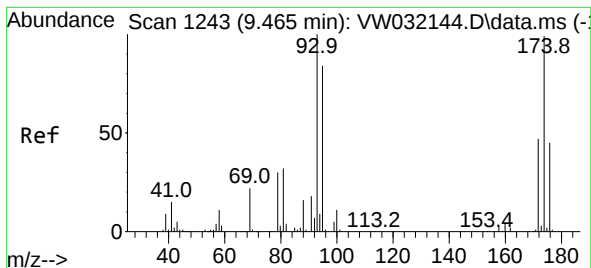
Tgt Ion: 63 Resp: 8665

Ion Ratio Lower Upper

63 100

65 32.2 24.3 36.5





#46

Dibromomethane

Concen: 3.425 ug/l

RT: 9.465 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025

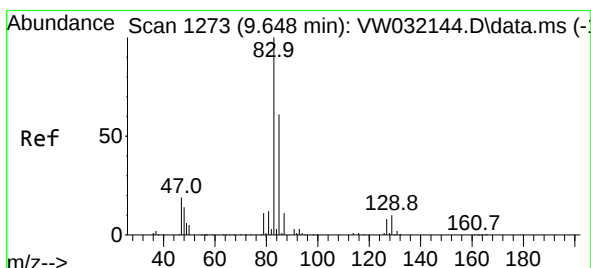
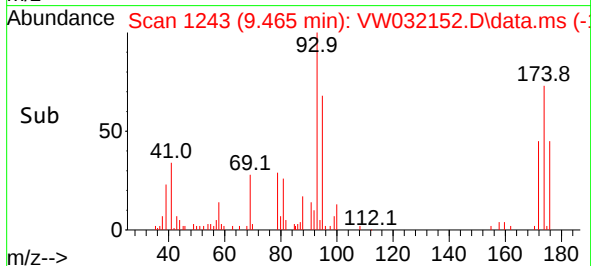
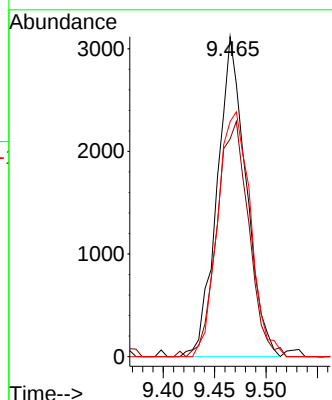
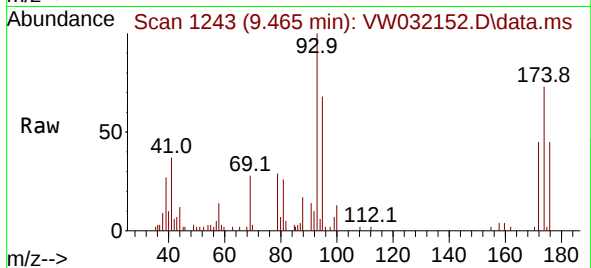
Tgt Ion: 93 Resp: 6115

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: VW032152.D

Acq: 28 Aug 2025 12:36

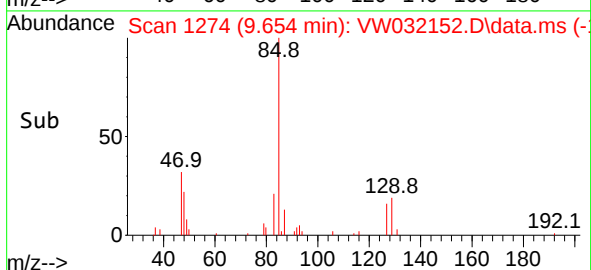
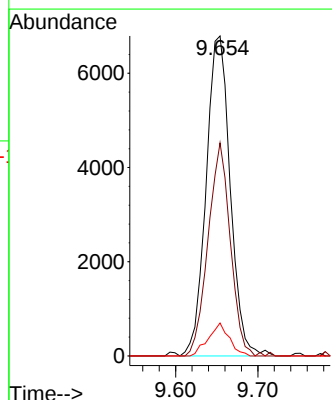
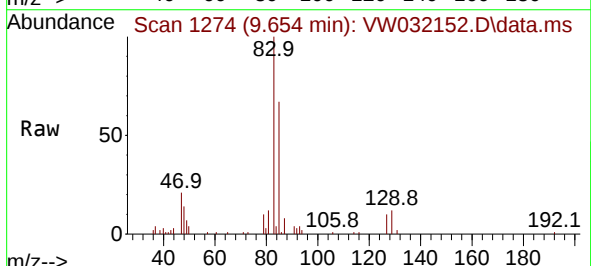
Tgt Ion: 83 Resp: 13857

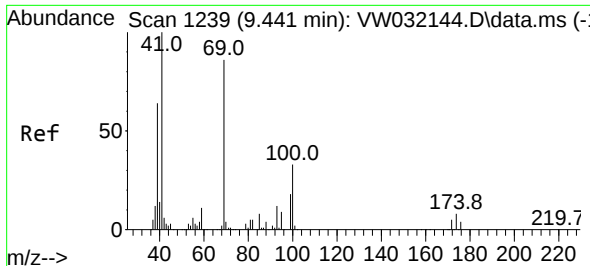
Ion Ratio Lower Upper

83 100

85 66.6 48.7 73.1

127 10.3 6.4 9.6#





#48

Methyl methacrylate

Concen: 2.860 ug/l

RT: 9.441 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025

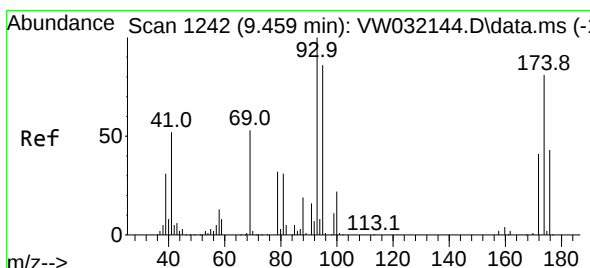
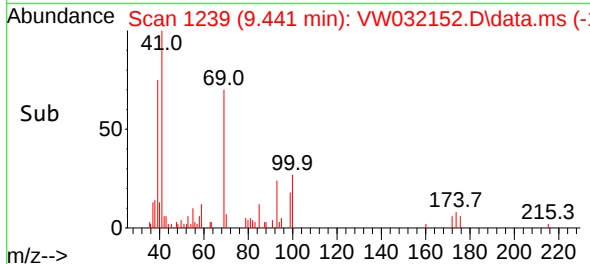
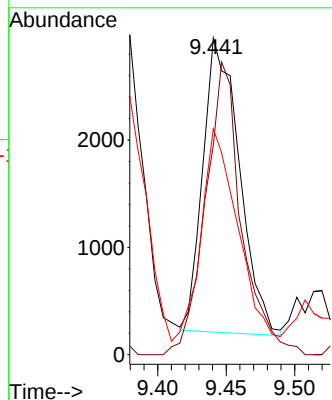
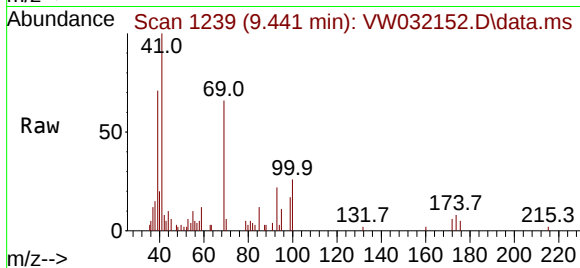
Tgt Ion: 41 Resp: 5068

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# 1243

Delta R.T. 0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

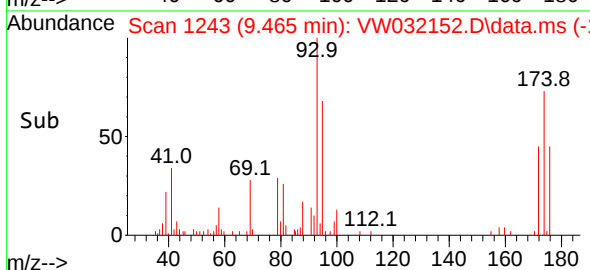
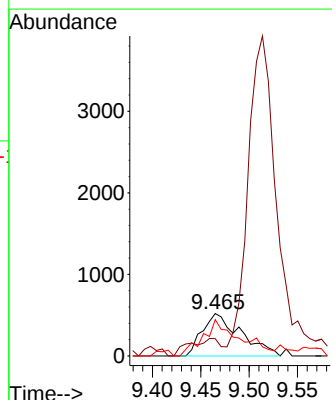
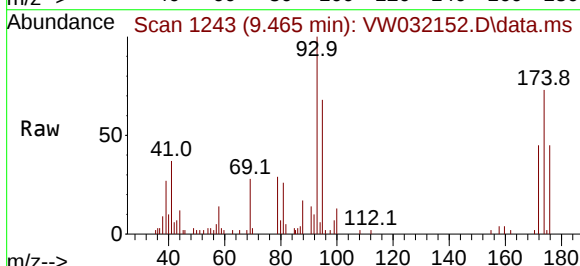
Tgt Ion: 88 Resp: 1440

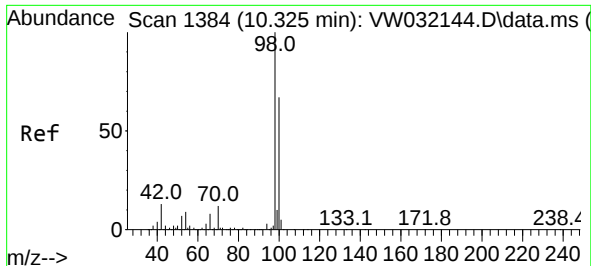
Ion Ratio Lower Upper

88 100

43 34.4 18.0 27.0#

58 82.0 55.4 83.0

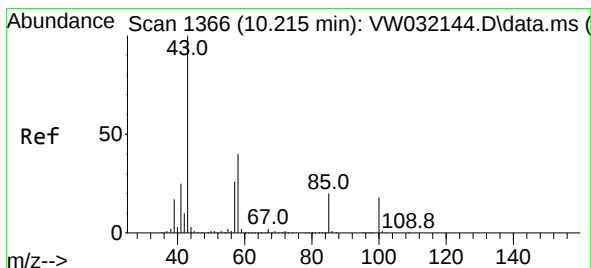
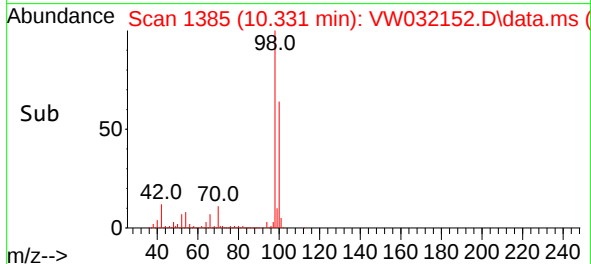
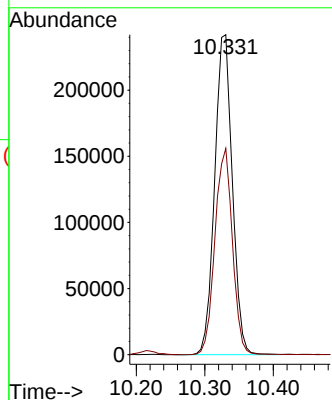
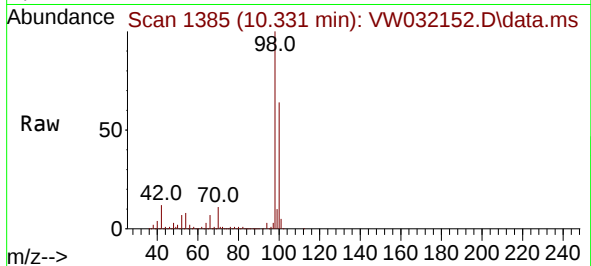




#50
Toluene-d8
Concen: 46.800 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

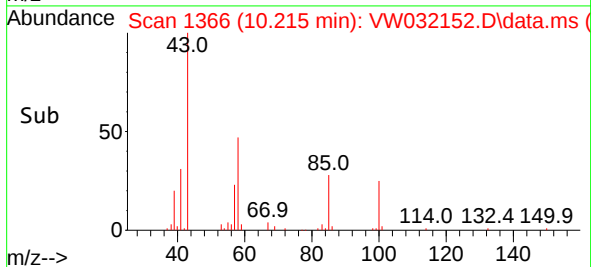
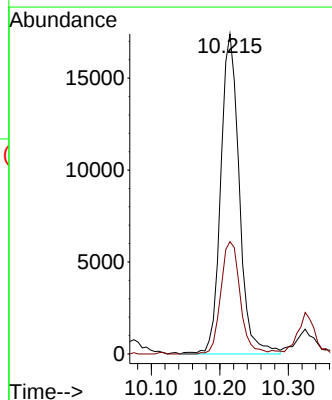
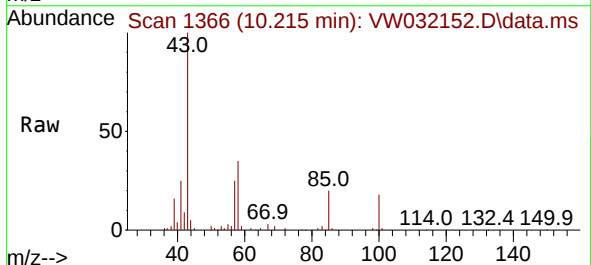
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

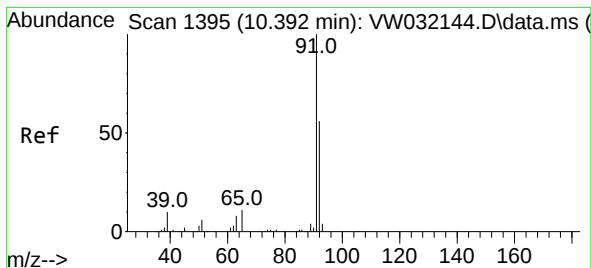
Tgt Ion: 98 Resp: 432907
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.2



#51
4-Methyl-2-Pentanone
Concen: 15.002 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

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





#52

Toluene

Concen: 3.420 ug/l

RT: 10.392 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

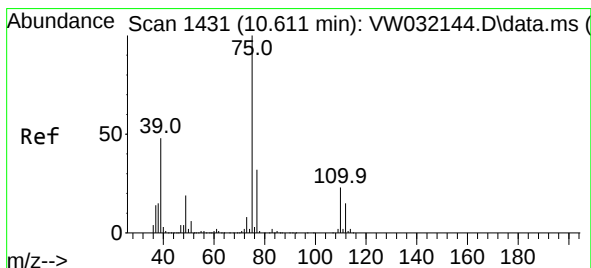
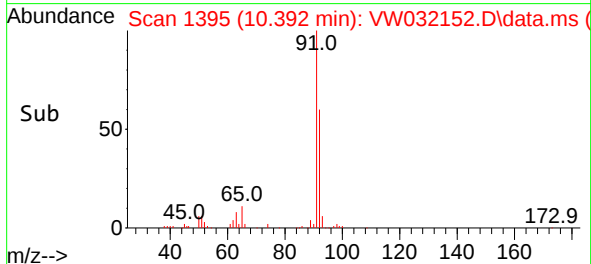
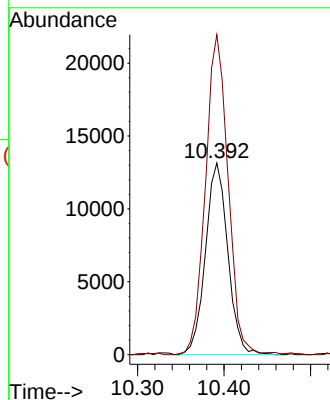
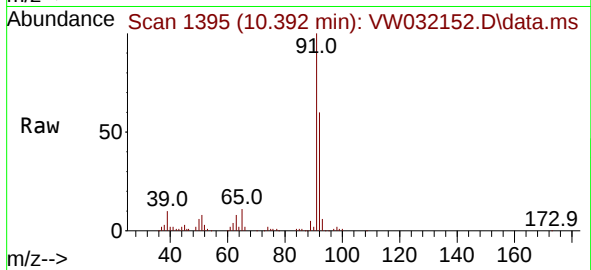
MDL-SOIL-03-QT3-2025

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: VW032152.D

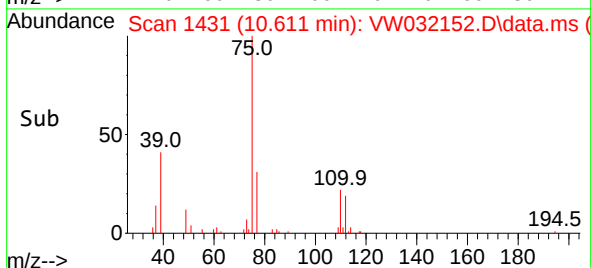
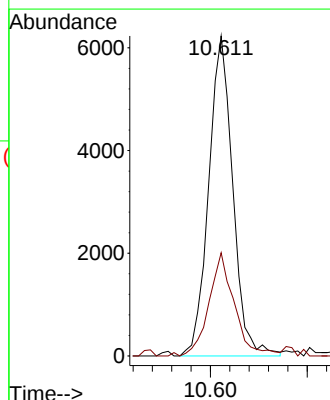
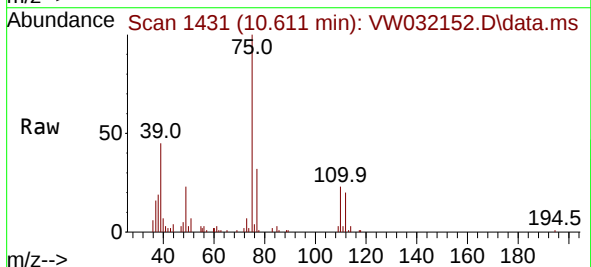
Acq: 28 Aug 2025 12:36

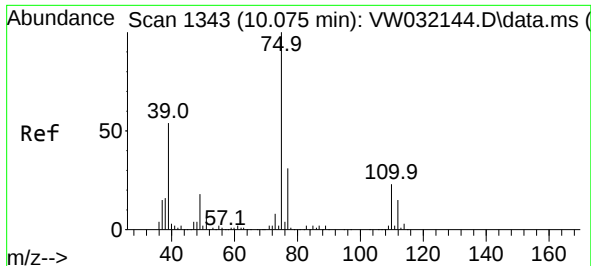
Tgt Ion: 75 Resp: 10804

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4

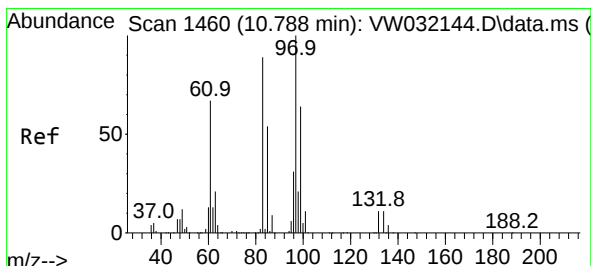
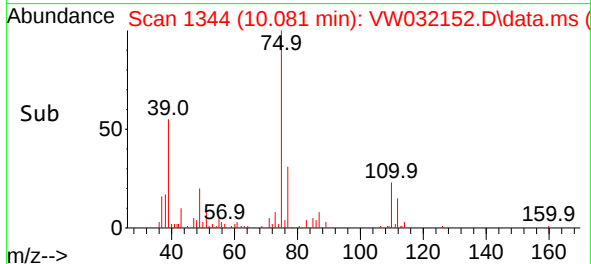
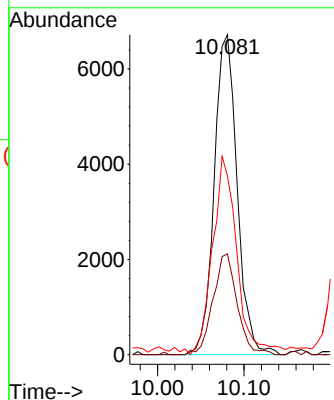
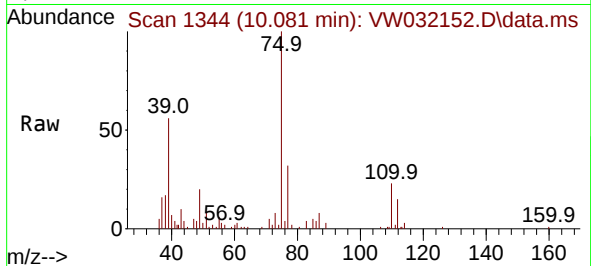




#54
cis-1,3-Dichloropropene
Concen: 3.035 ug/l
RT: 10.081 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

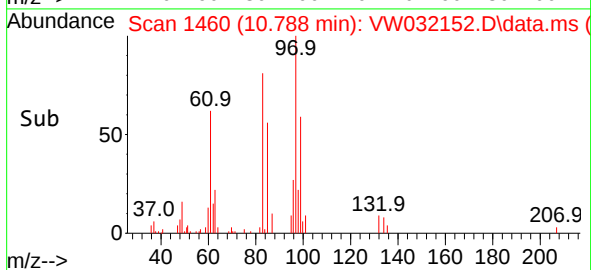
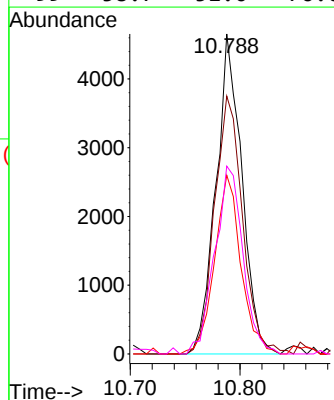
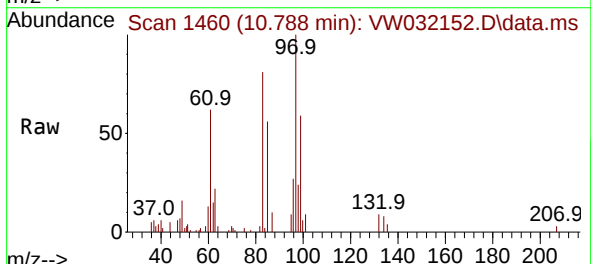
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

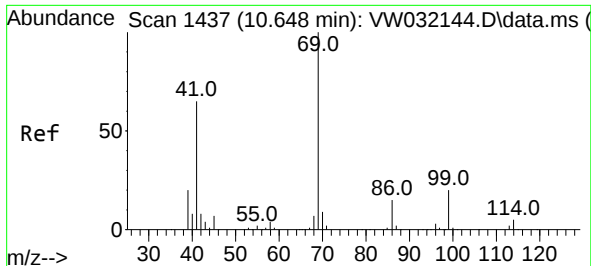
Tgt Ion:	75	Resp:	12397
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	53.6	43.2	64.8



#55
1,1,2-Trichloroethane
Concen: 3.290 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

Tgt Ion:	97	Resp:	7639
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

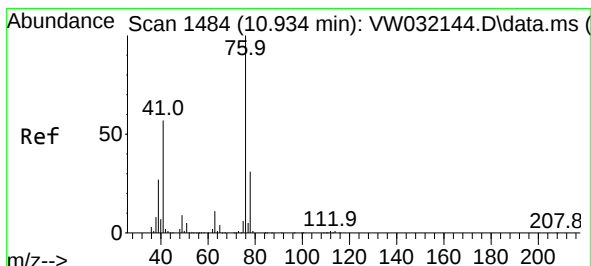
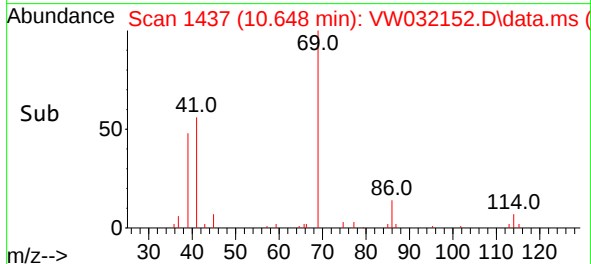
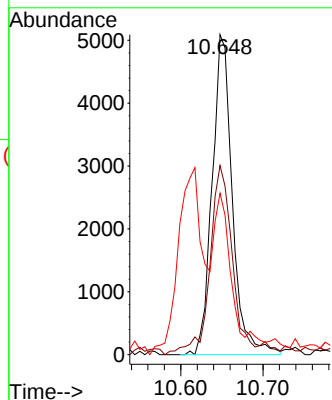
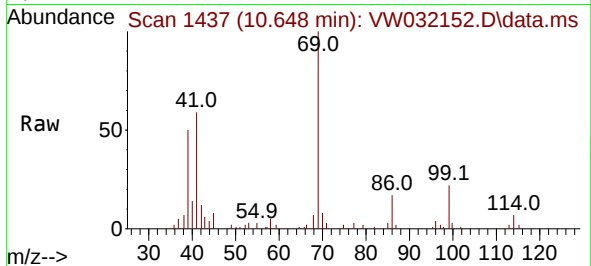




#56
Ethyl methacrylate
Concen: 2.926 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

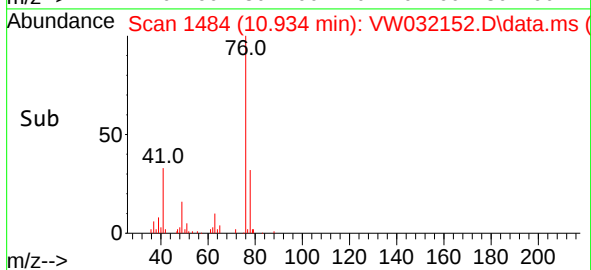
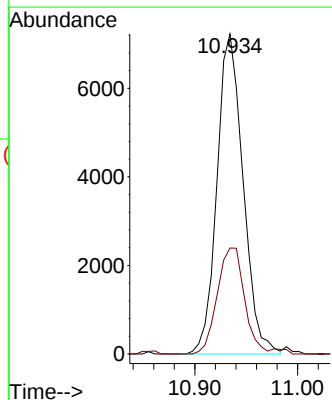
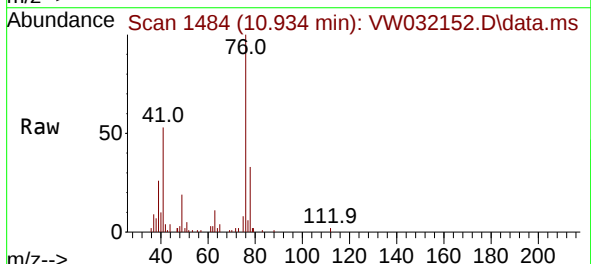
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

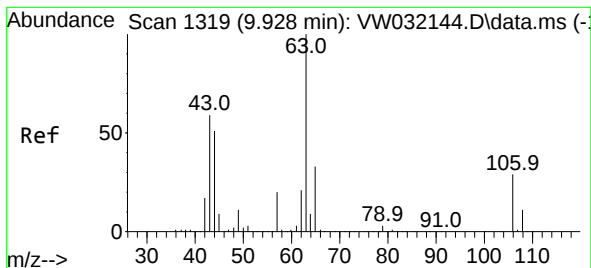
Tgt Ion:	69	Resp:	8685
Ion	Ratio	Lower	Upper
69	100		
41	64.9	53.2	79.8
39	32.8	32.9	49.3



#57
1,3-Dichloropropane
Concen: 3.278 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

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

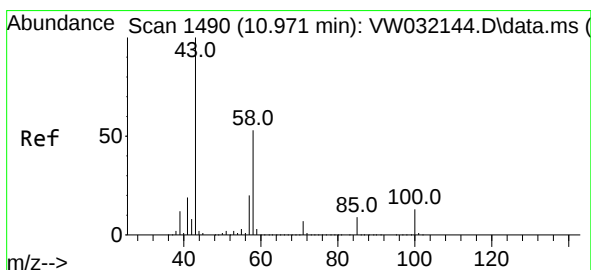
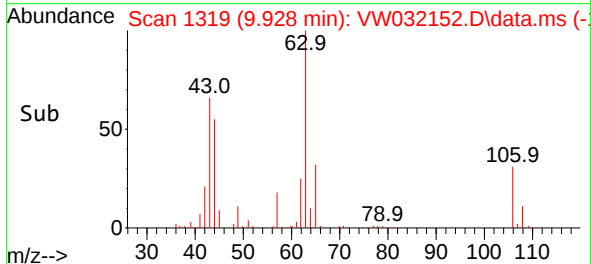
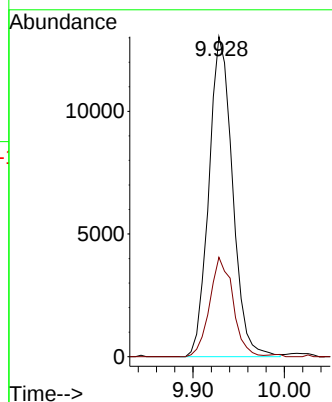
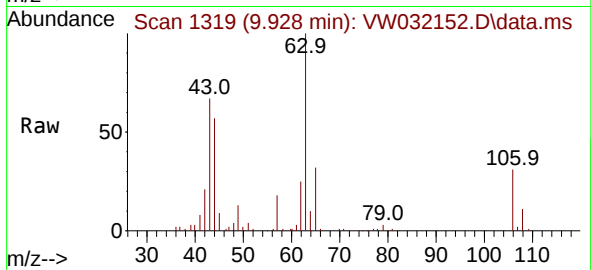




#58
2-Chloroethyl Vinyl ether
Concen: 14.809 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

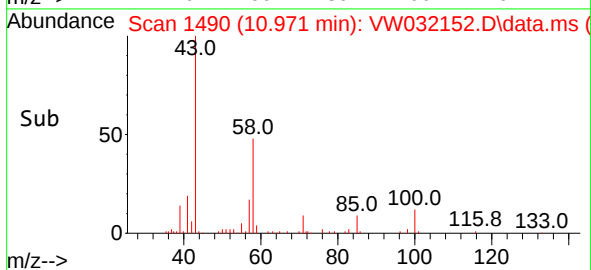
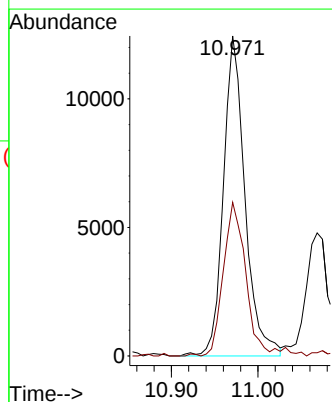
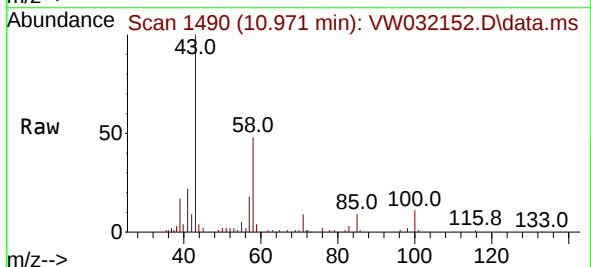
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

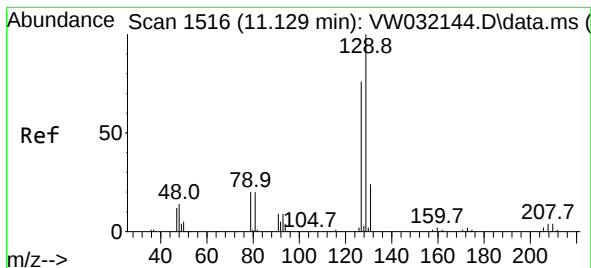
Tgt Ion: 63 Resp: 23464
Ion Ratio Lower Upper
63 100
106 30.6 24.3 36.5



#59
2-Hexanone
Concen: 14.281 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

Tgt Ion: 43 Resp: 21563
Ion Ratio Lower Upper
43 100
58 48.9 27.5 82.4

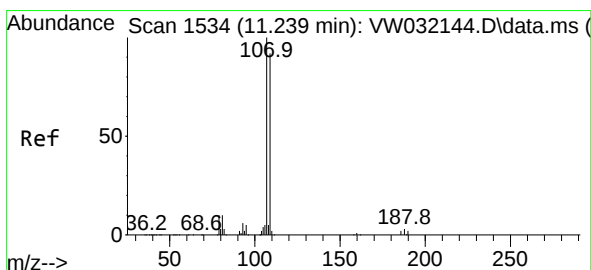
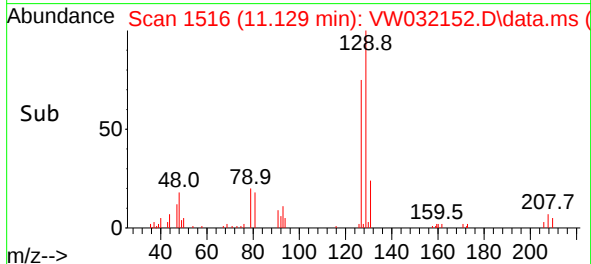
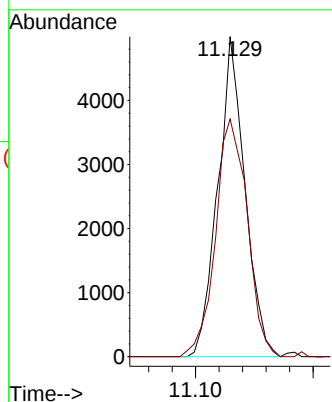
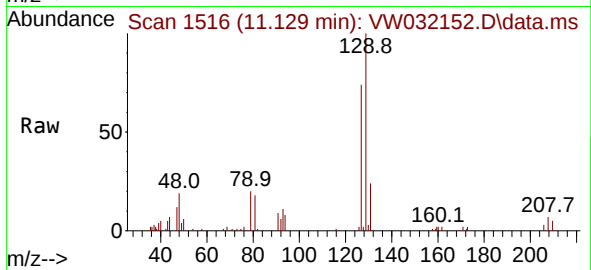




#60
Dibromochloromethane
Concen: 2.853 ug/l
RT: 11.129 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

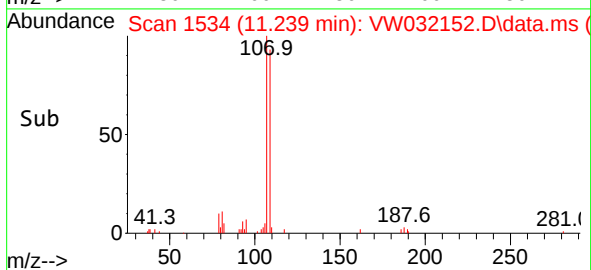
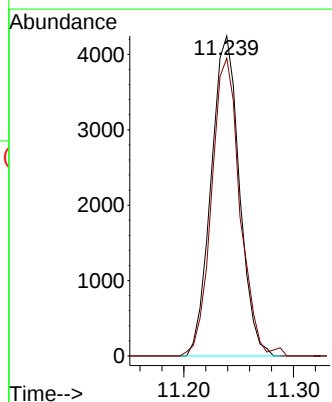
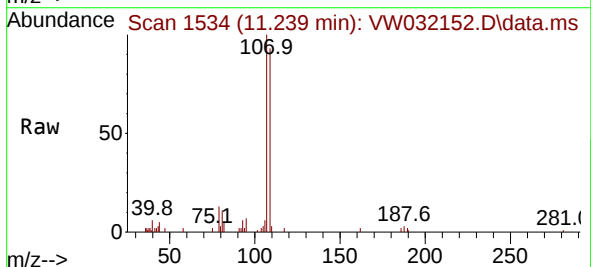
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

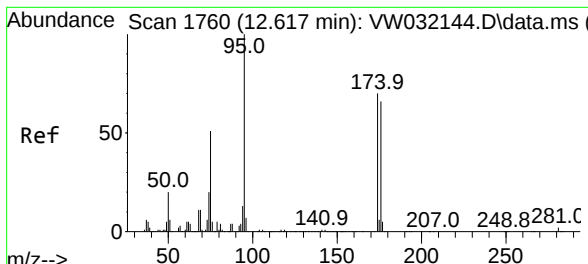
Tgt Ion:129 Resp: 8017
Ion Ratio Lower Upper
129 100
127 86.7 38.1 114.5



#61
1,2-Dibromoethane
Concen: 3.335 ug/l
RT: 11.239 min Scan# 1534
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

Tgt Ion:107 Resp: 7616
Ion Ratio Lower Upper
107 100
109 93.5 74.5 111.7

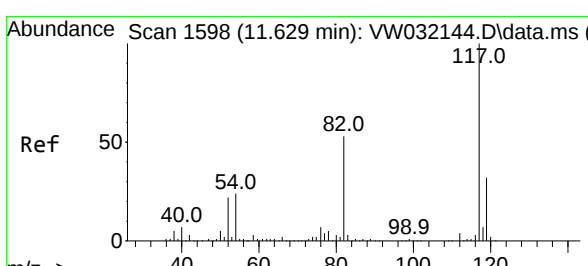
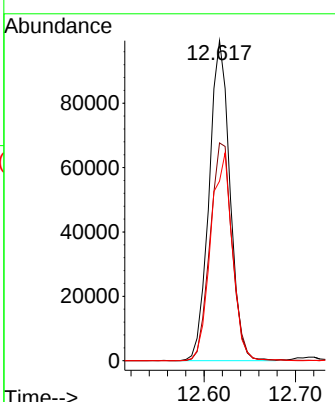
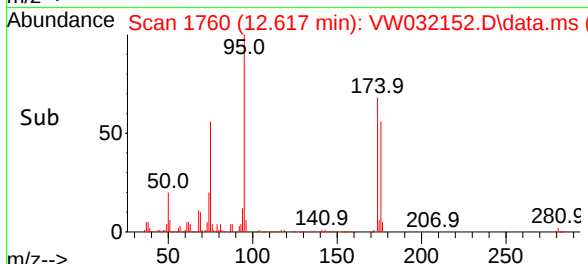
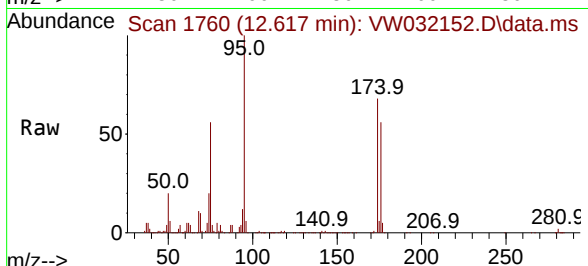




#62
 4-Bromofluorobenzene
 Concen: 46.115 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.000 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:36

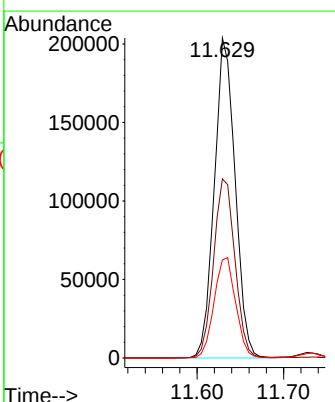
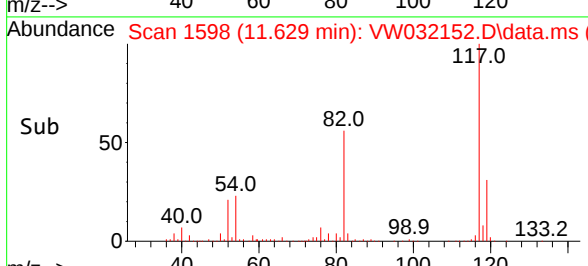
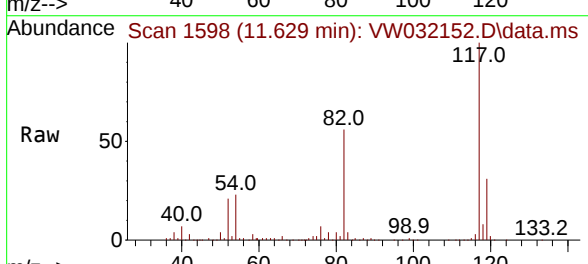
Instrument : MSVOA_W
 ClientSampleId : MDL-SOIL-03-QT3-2025

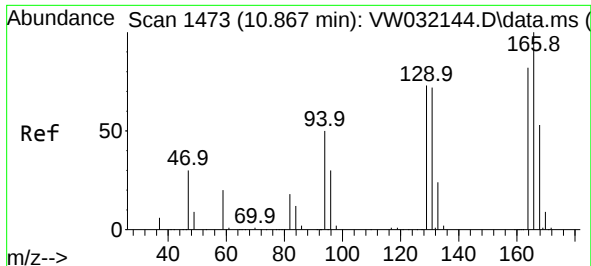
Tgt Ion:	95	Resp:	157736
Ion Ratio	Lower	Upper	
95	100		
174	72.2	0.0	145.6
176	67.6	0.0	140.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.629 min Scan# 1598
 Delta R.T. -0.000 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:36

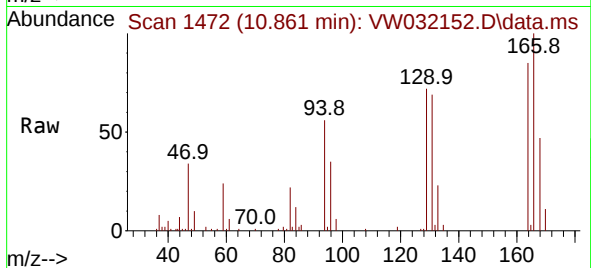
Tgt Ion:	117	Resp:	340249
Ion Ratio	Lower	Upper	
117	100		
82	55.9	42.7	64.1
119	30.7	25.2	37.8



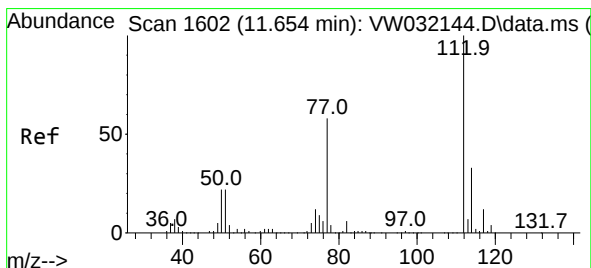
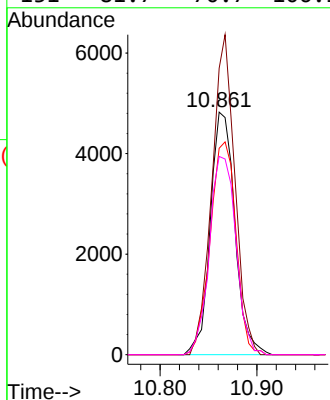
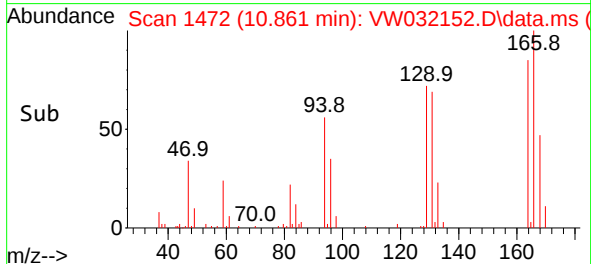


#64
Tetrachloroethene
Concen: 3.791 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

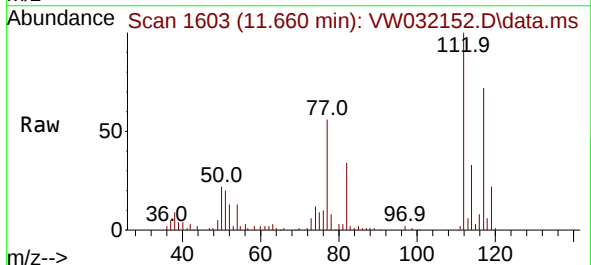
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



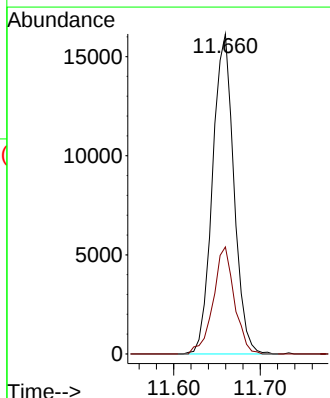
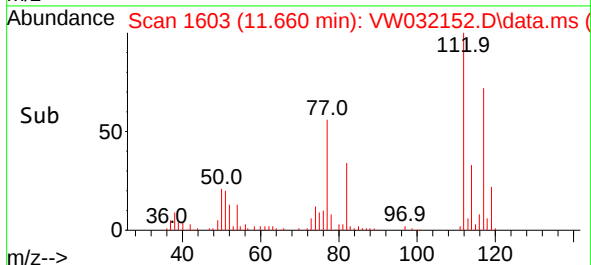
Tgt Ion:164 Resp: 8489
Ion Ratio Lower Upper
164 100
166 118.0 97.5 146.3
129 85.1 71.2 106.8
131 81.7 70.7 106.1

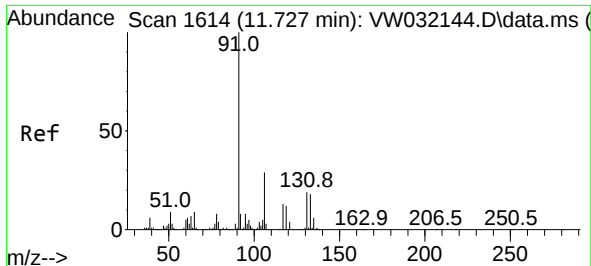


#65
Chlorobenzene
Concen: 3.561 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36



Tgt Ion:112 Resp: 27576
Ion Ratio Lower Upper
112 100
114 33.5 26.0 39.0

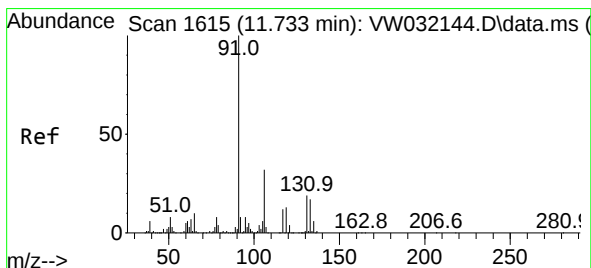
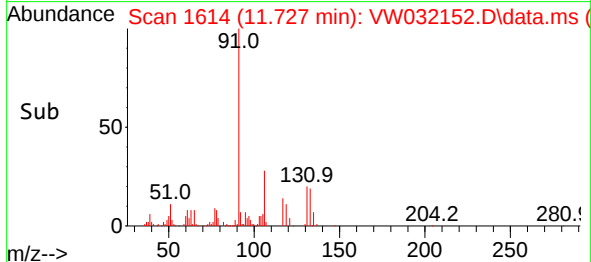
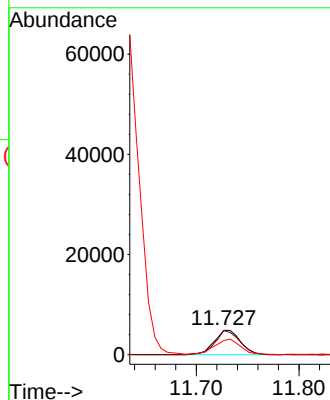
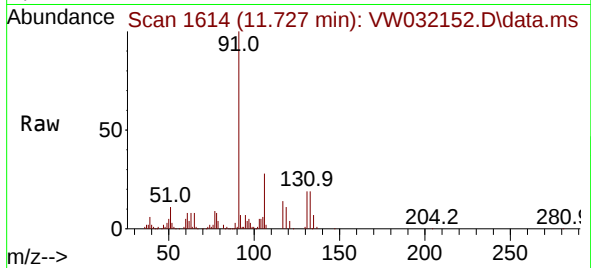




#66
1,1,1,2-Tetrachloroethane
Concen: 3.355 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

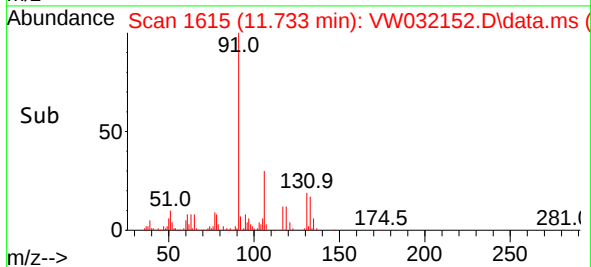
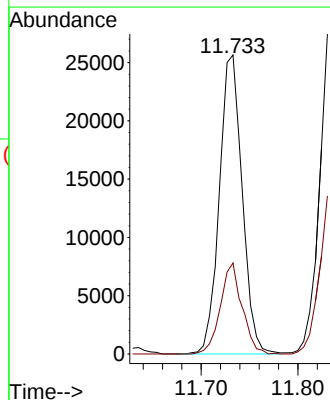
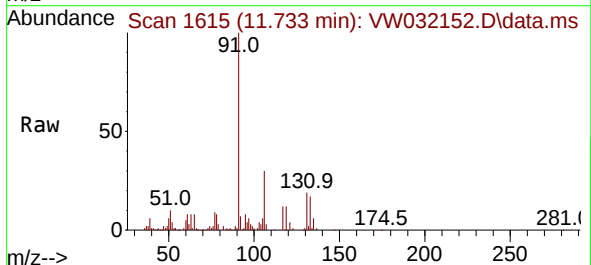
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025

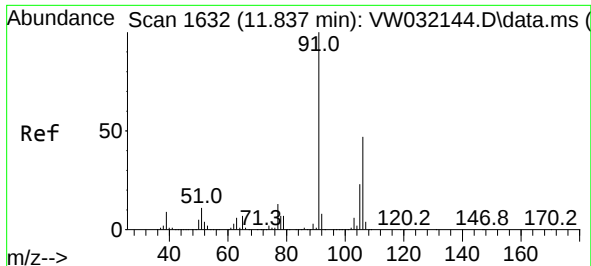
Tgt Ion:131 Resp: 8554
Ion Ratio Lower Upper
131 100
133 93.6 47.7 143.1
119 64.5 32.8 98.3



#67
Ethyl Benzene
Concen: 3.315 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

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

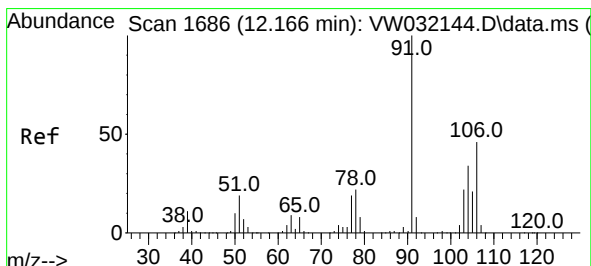
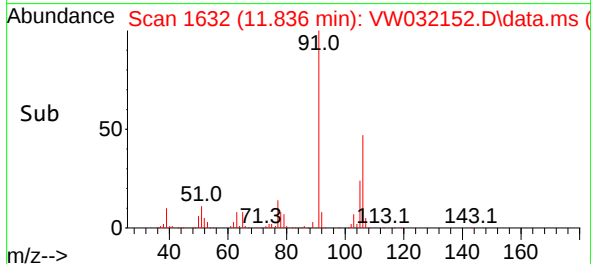
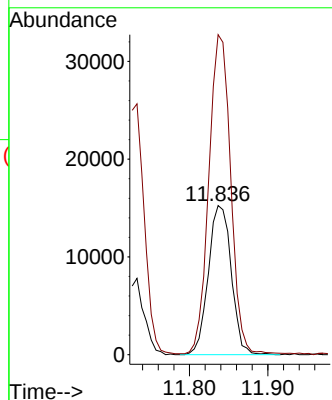
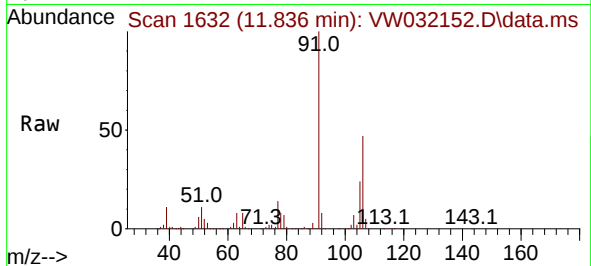




#68
m/p-Xylenes
Concen: 6.354 ug/l
RT: 11.836 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

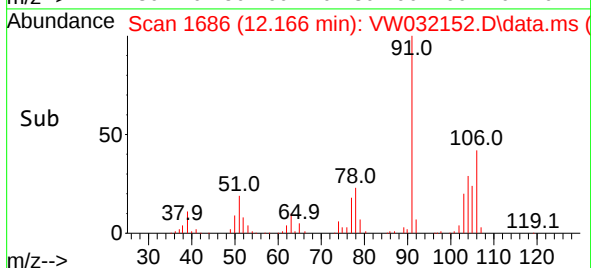
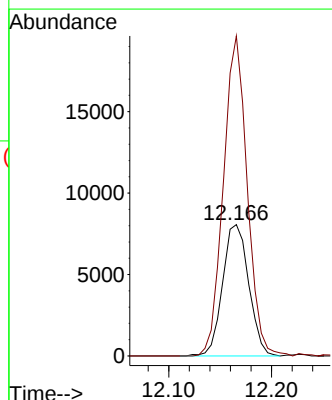
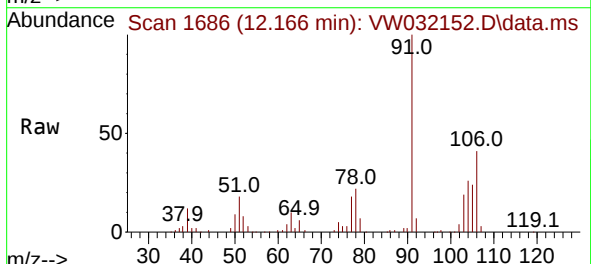
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

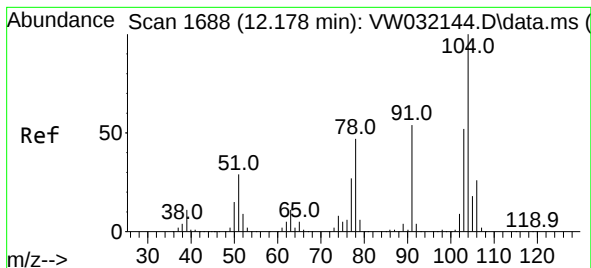
Tgt Ion:106 Resp: 31031
Ion Ratio Lower Upper
106 100
91 203.4 164.2 246.2



#69
o-Xylene
Concen: 3.080 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

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





#70

Styrene

Concen: 2.954 ug/l

RT: 12.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

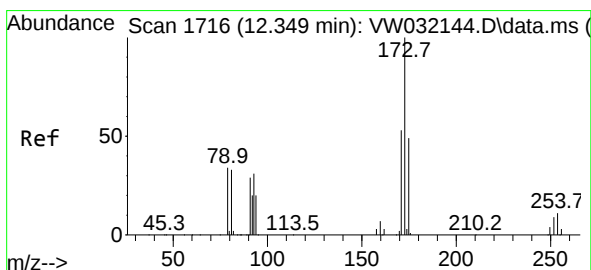
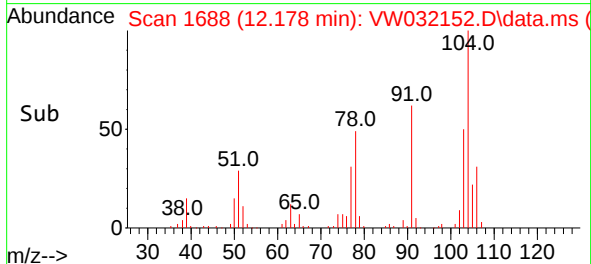
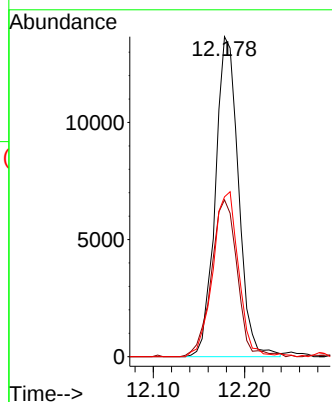
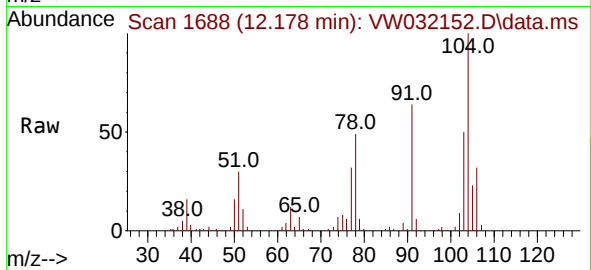
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025

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

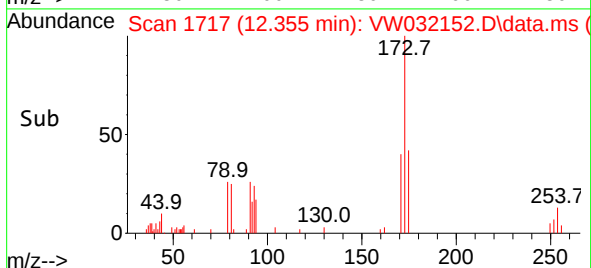
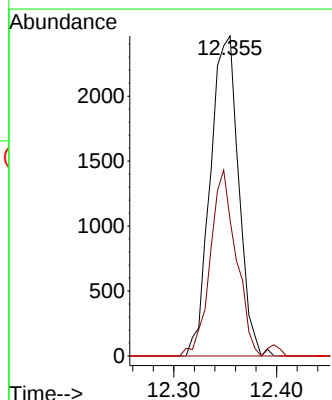
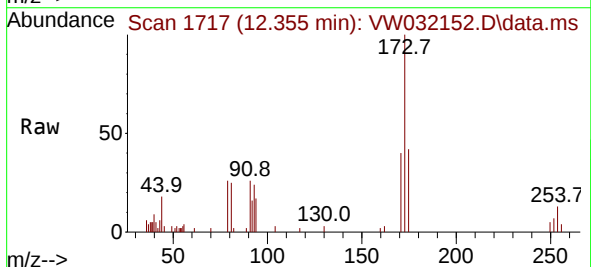
RT: 12.355 min Scan# 1717

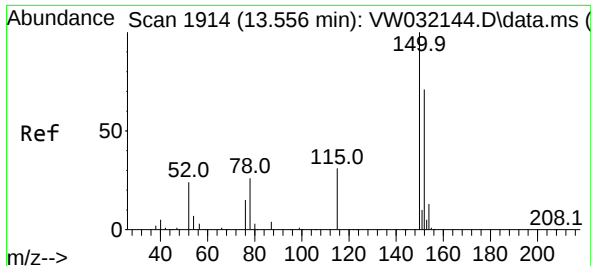
Delta R.T. 0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Tgt Ion:	173	Resp:	4703
Ion Ratio	Lower	Upper	
173	100		
175	53.1	24.9	74.7
254	0.0	0.2	0.2

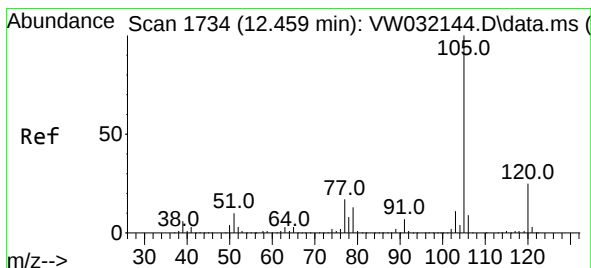
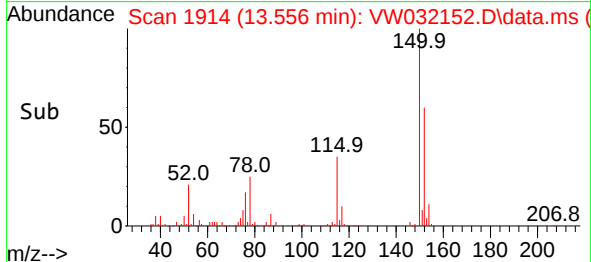
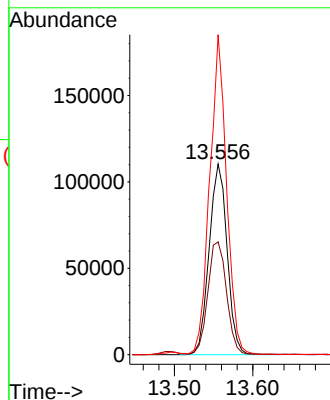
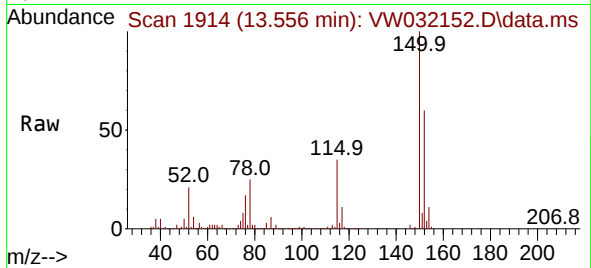




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

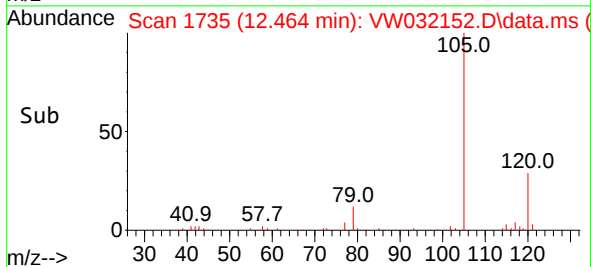
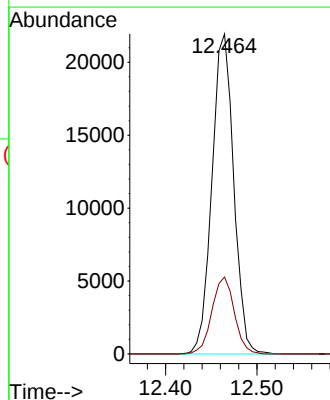
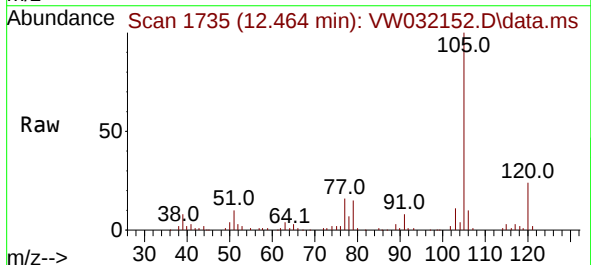
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

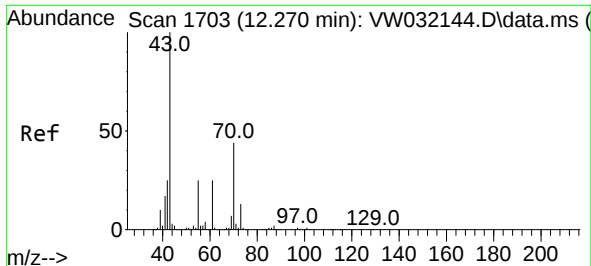
Tgt Ion:152 Resp: 175960
Ion Ratio Lower Upper
152 100
115 61.4 31.8 95.4
150 156.2 0.0 343.0



#73
Isopropylbenzene
Concen: 3.031 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

Tgt Ion:105 Resp: 36232
Ion Ratio Lower Upper
105 100
120 24.8 13.0 38.9

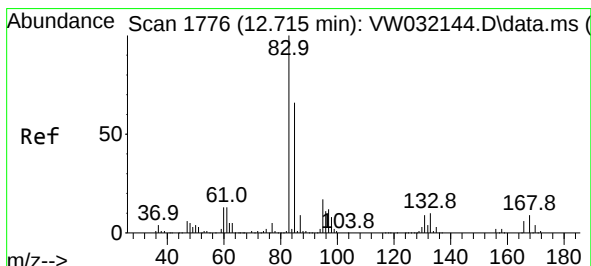
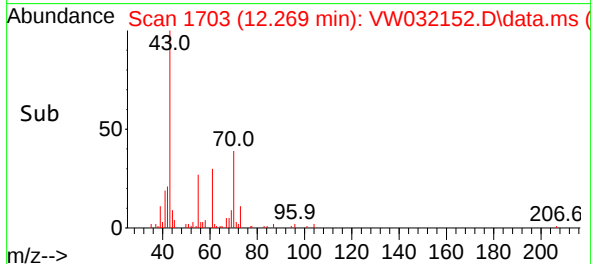
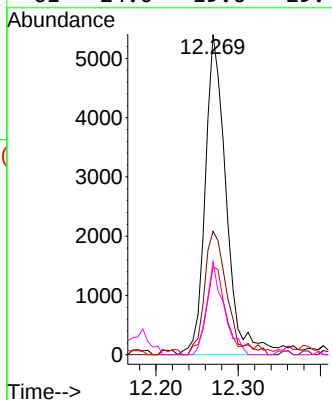
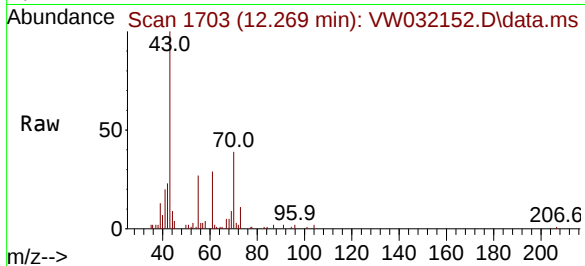




#74
N-amy1 acetate
Concen: 2.761 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

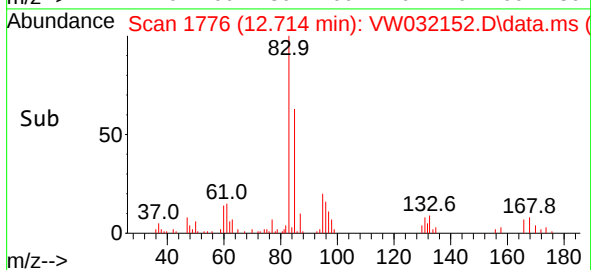
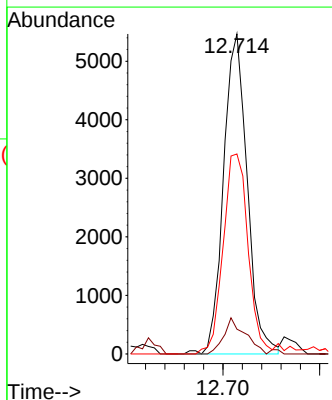
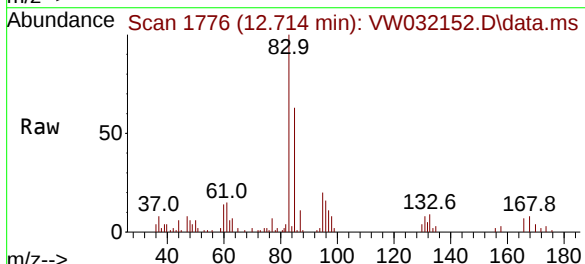
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

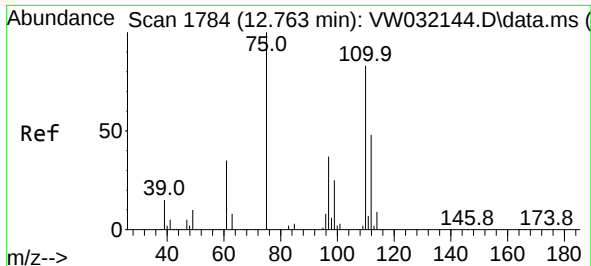
Tgt Ion: 43	Resp: 9582
Ion Ratio	Lower Upper
43 100	
70 41.4	35.3 52.9
55 25.4	19.9 29.9
61 24.0	19.6 29.4



#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: VW032152.D
Acq: 28 Aug 2025 12:36

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	

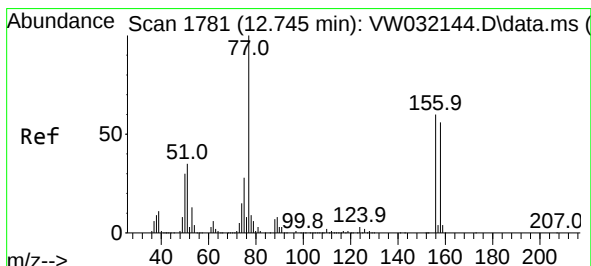
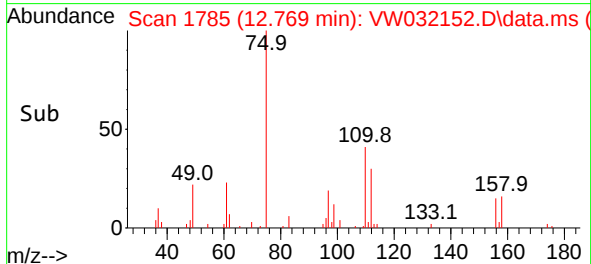
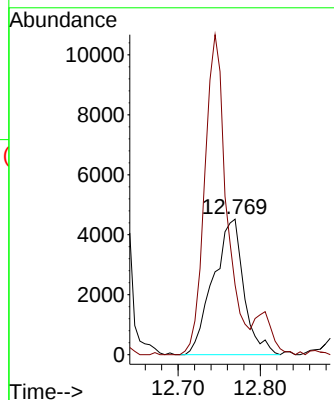
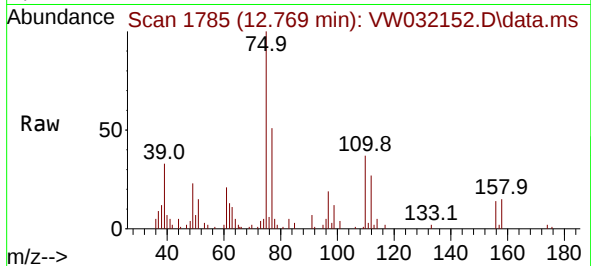




#76
1,2,3-Trichloropropane
Concen: 5.289 ug/l
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

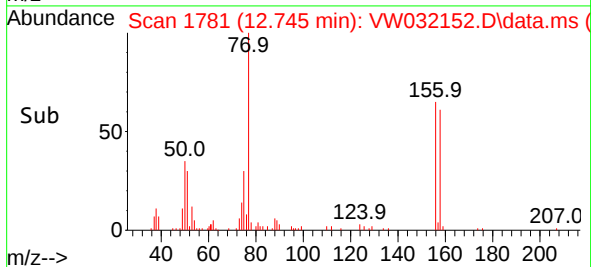
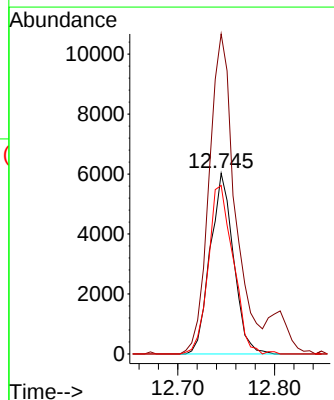
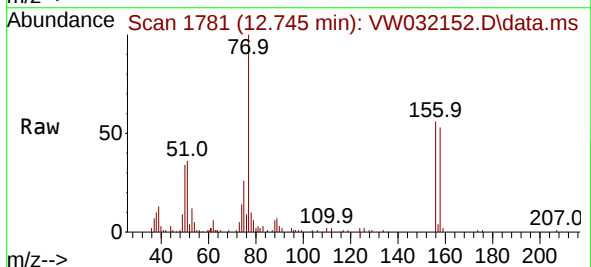
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

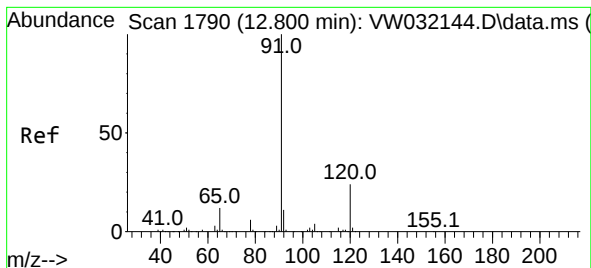
Tgt Ion: 75 Resp: 11660
Ion Ratio Lower Upper
75 100
77 0.0 141.7 425.1#



#77
Bromobenzene
Concen: 3.313 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

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





#78

n-propylbenzene

Concen: 3.288 ug/l

RT: 12.806 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

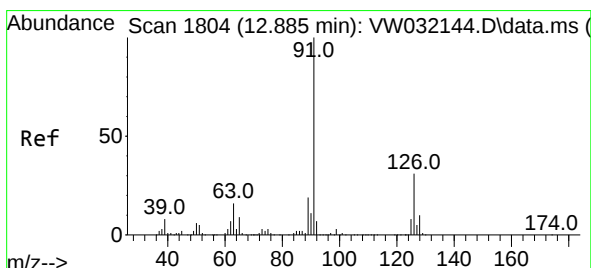
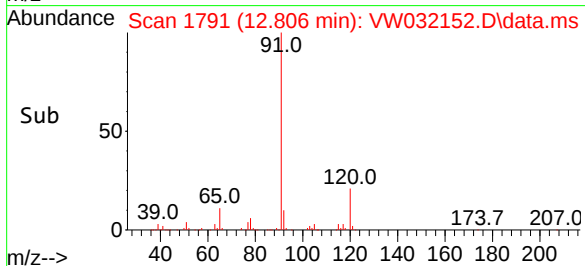
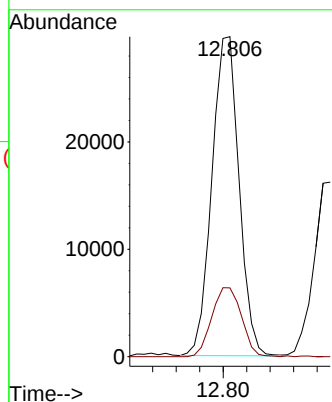
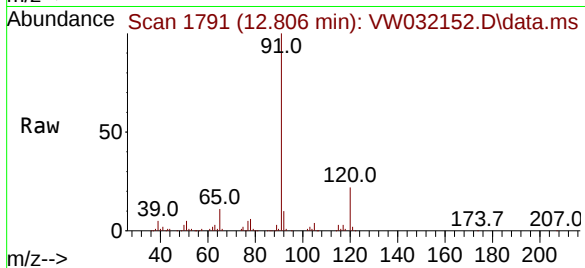
MDL-SOIL-03-QT3-2025

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: VW032152.D

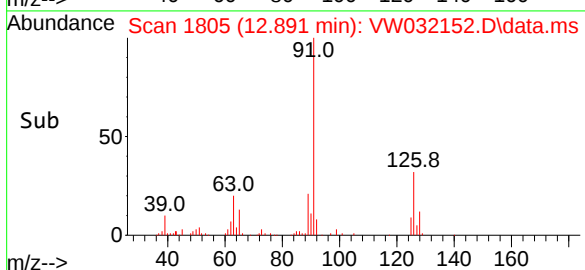
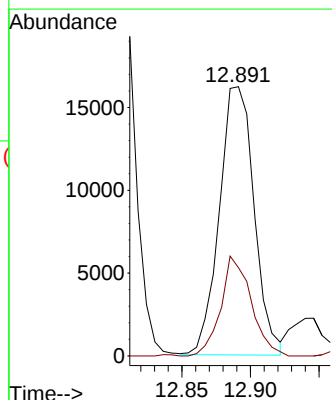
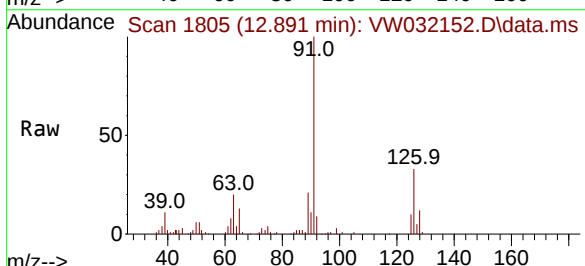
Acq: 28 Aug 2025 12:36

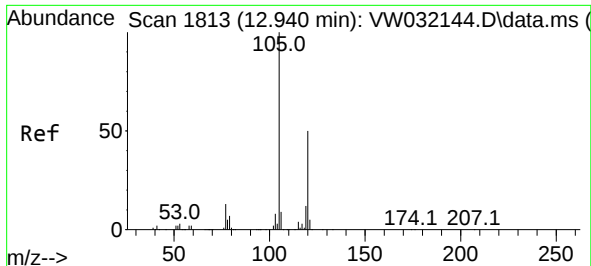
Tgt Ion: 91 Resp: 28620

Ion Ratio Lower Upper

91 100

126 32.5 16.6 49.7

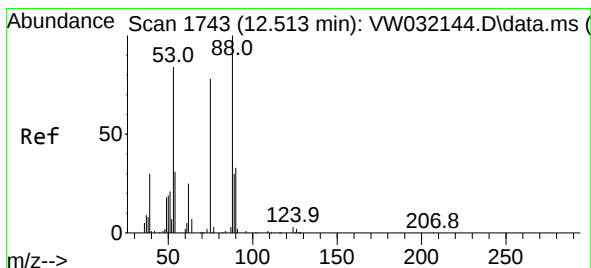
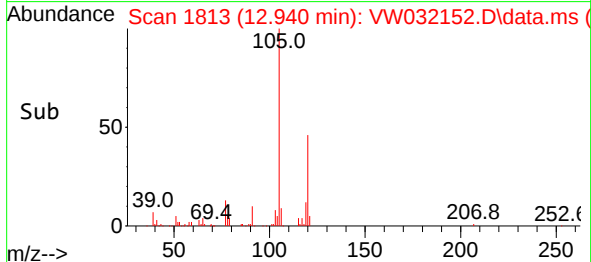
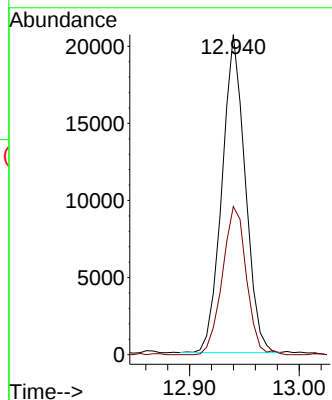
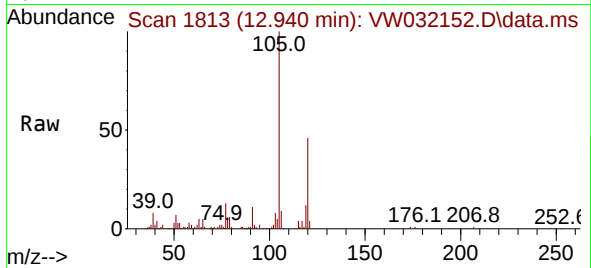




#80
1,3,5-Trimethylbenzene
Concen: 2.991 ug/l
RT: 12.940 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

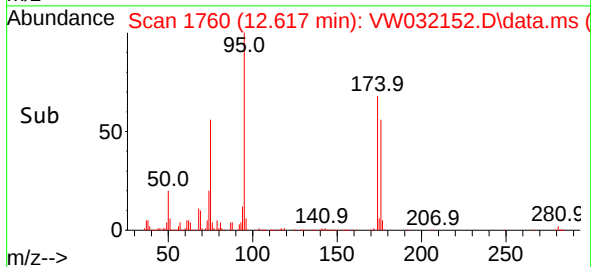
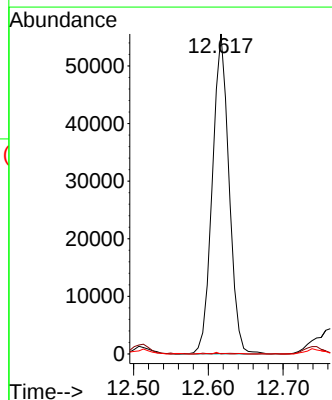
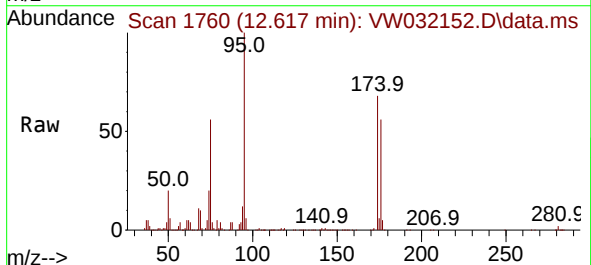
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

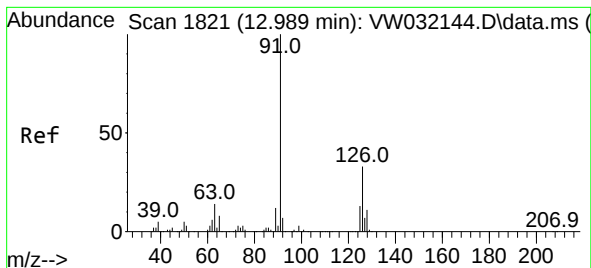
Tgt Ion:105 Resp: 30269
Ion Ratio Lower Upper
105 100
120 48.2 24.8 74.4



#81
trans-1,4-Dichloro-2-butene
Concen: 105.124 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

Tgt Ion: 75 Resp: 86069
Ion Ratio Lower Upper
75 100
53 0.2 91.0 136.6#
89 0.2 39.4 59.2#





#82

4-Chlorotoluene

Concen: 3.389 ug/l

RT: 12.989 min Scan# 1821

Delta R.T. -0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

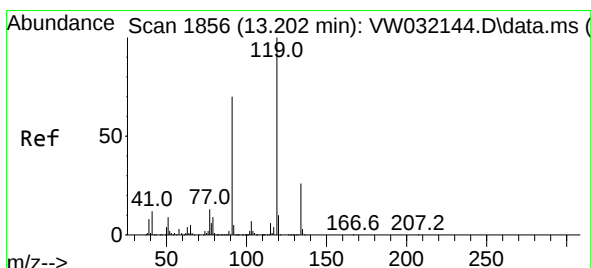
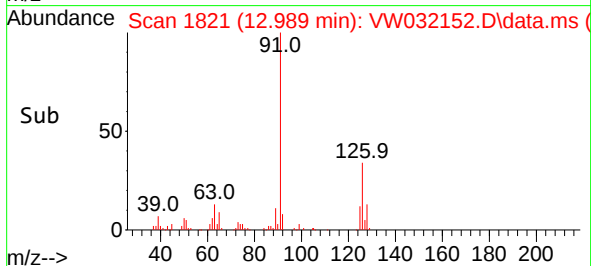
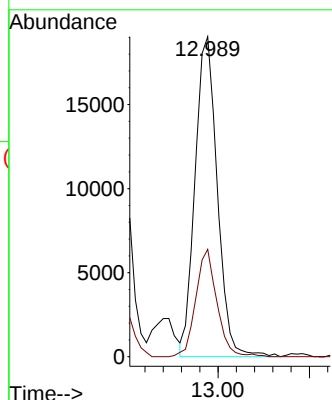
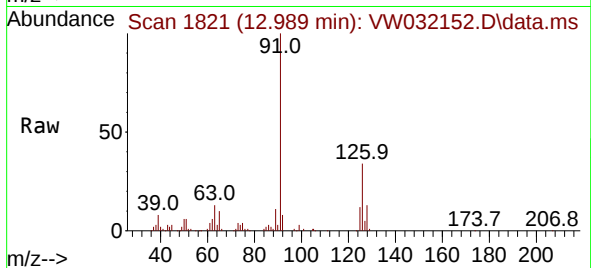
MDL-SOIL-03-QT3-2025

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: VW032152.D

Acq: 28 Aug 2025 12:36

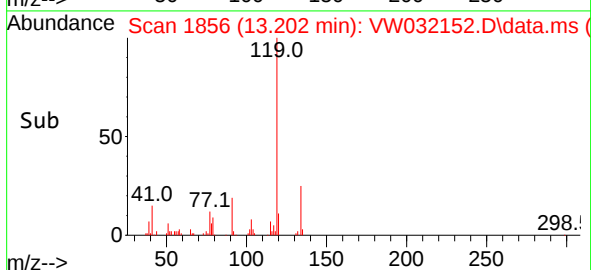
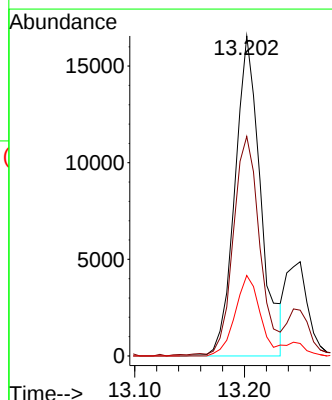
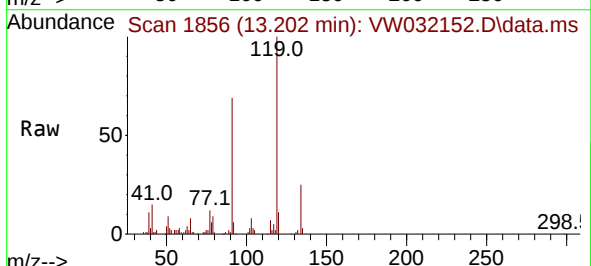
Tgt Ion: 119 Resp: 26955

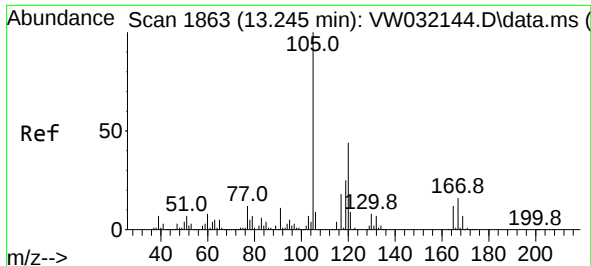
Ion Ratio Lower Upper

119 100

91 71.3 33.8 101.3

134 25.6 12.5 37.5

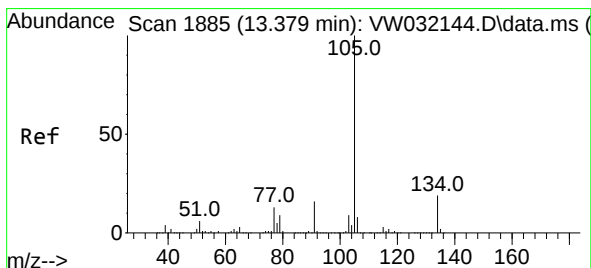
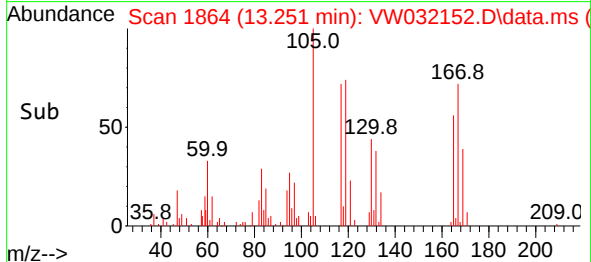
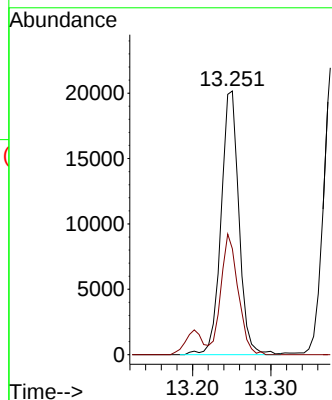
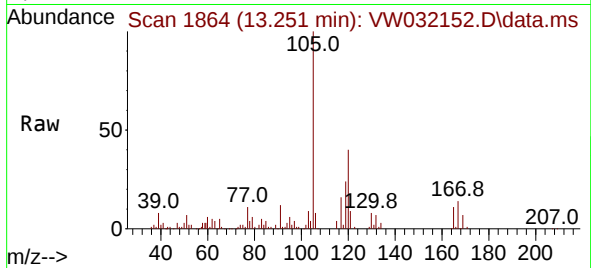




#84
1,2,4-Trimethylbenzene
Concen: 3.058 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

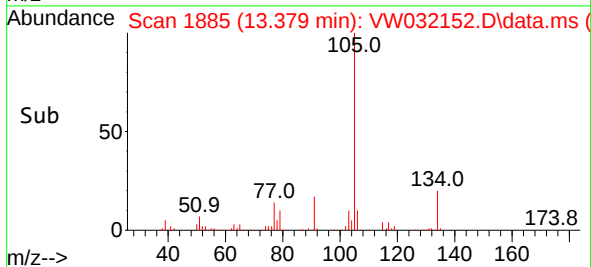
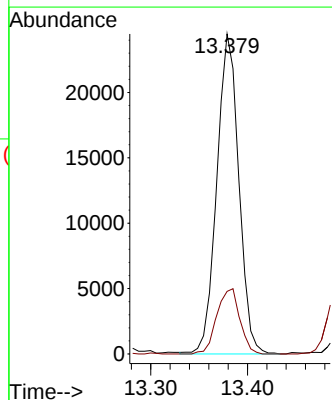
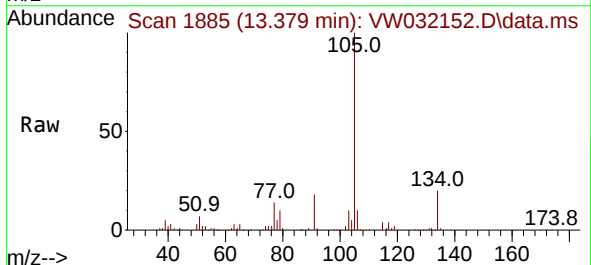
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

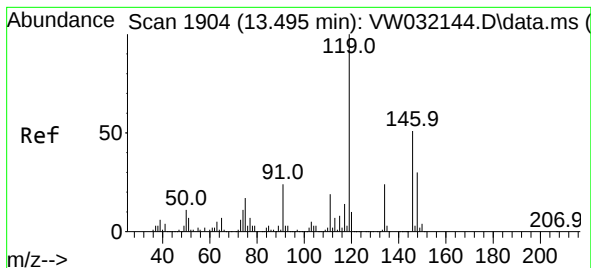
Tgt Ion:105 Resp: 32024
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.3



#85
sec-Butylbenzene
Concen: 3.016 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

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





#86

p-Isopropyltoluene

Concen: 2.917 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025

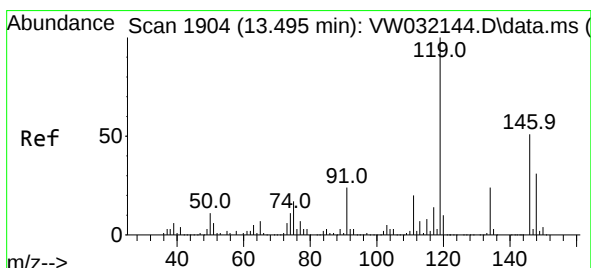
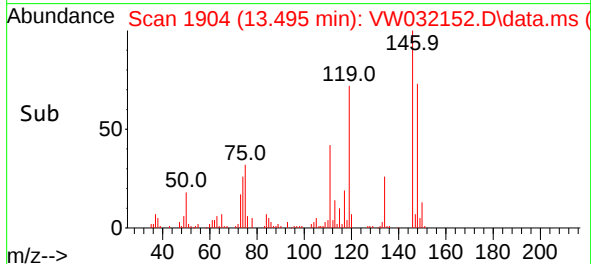
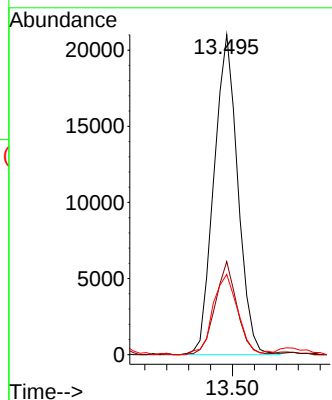
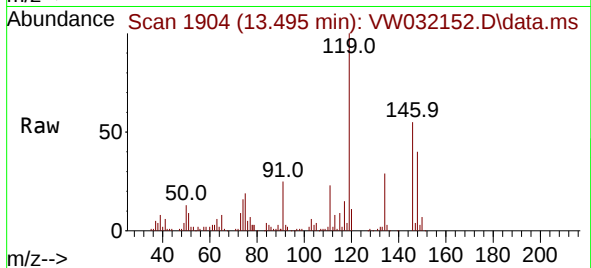
Tgt Ion:119 Resp: 31779

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: VW032152.D

Acq: 28 Aug 2025 12:36

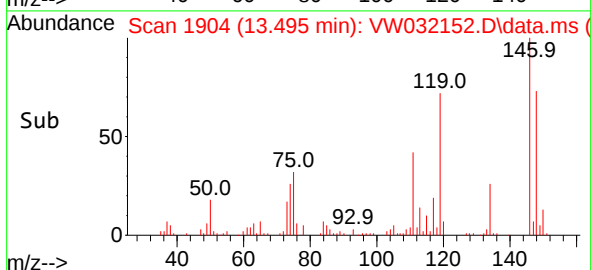
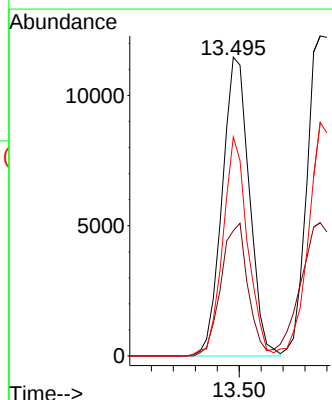
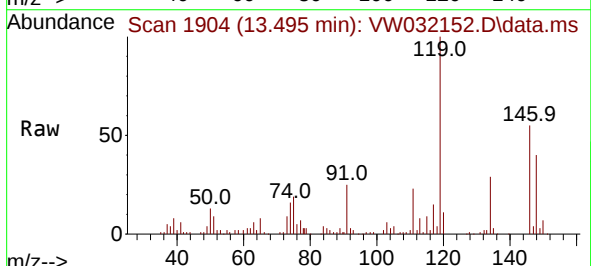
Tgt Ion:146 Resp: 19736

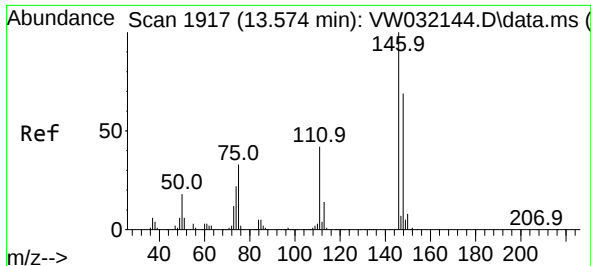
Ion Ratio Lower Upper

146 100

111 43.8 20.6 61.9

148 66.8 30.6 92.0

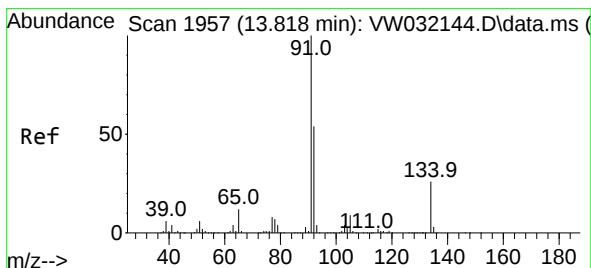
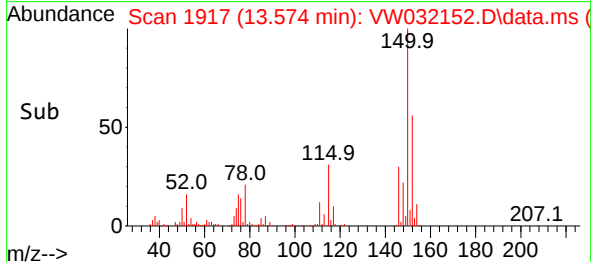
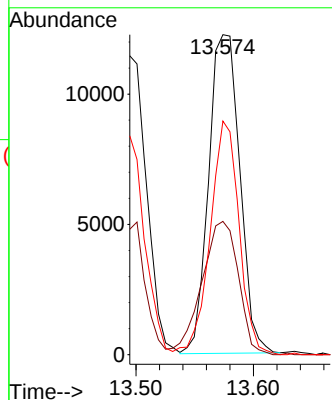
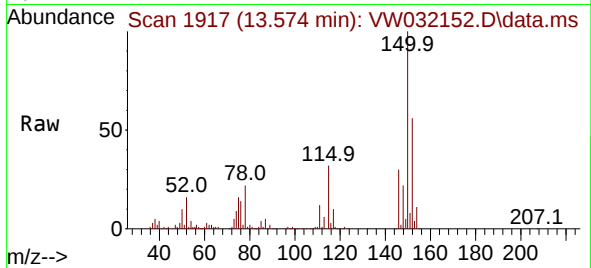




#88
1,4-Dichlorobenzene
Concen: 3.663 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

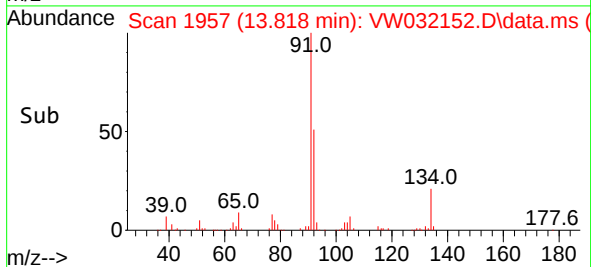
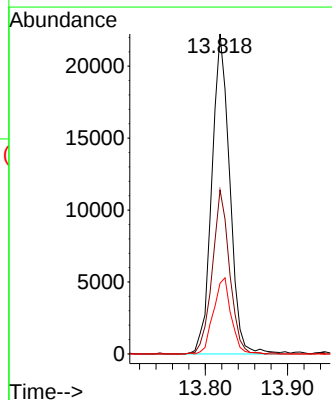
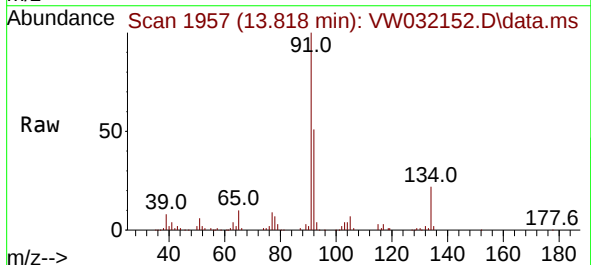
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

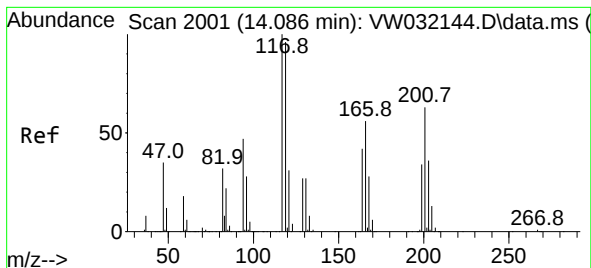
Tgt Ion:146 Resp: 22534
Ion Ratio Lower Upper
146 100
111 49.3 21.3 63.7
148 68.2 33.4 100.1



#89
n-Butylbenzene
Concen: 3.243 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

Tgt Ion: 91 Resp: 33687
Ion Ratio Lower Upper
91 100
92 49.3 27.0 81.0
134 23.5 13.1 39.3





#90

Hexachloroethane

Concen: 3.586 ug/l

RT: 14.092 min Scan# 2001

Delta R.T. 0.006 min

Lab File: VW032152.D

Acq: 28 Aug 2025 12:36

Instrument :

MSVOA_W

ClientSampleId :

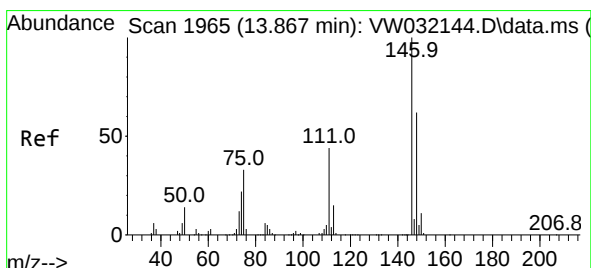
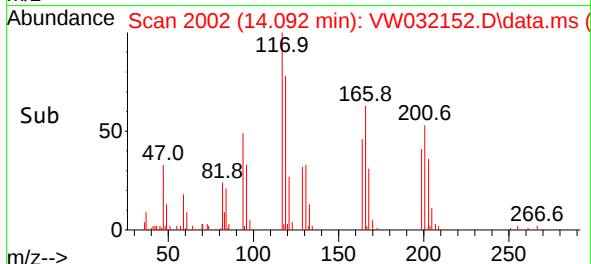
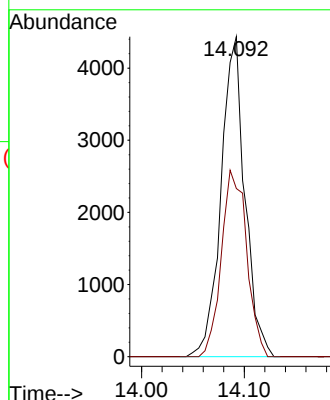
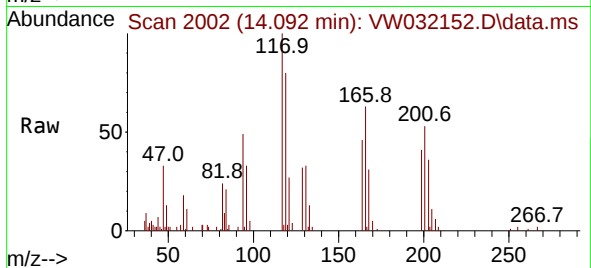
MDL-SOIL-03-QT3-2025

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: VW032152.D

Acq: 28 Aug 2025 12:36

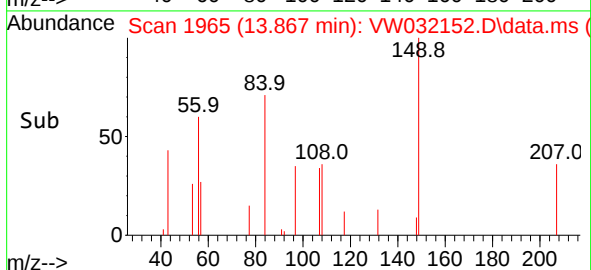
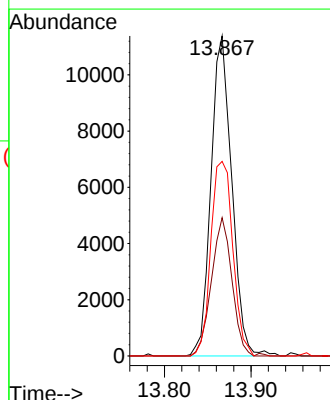
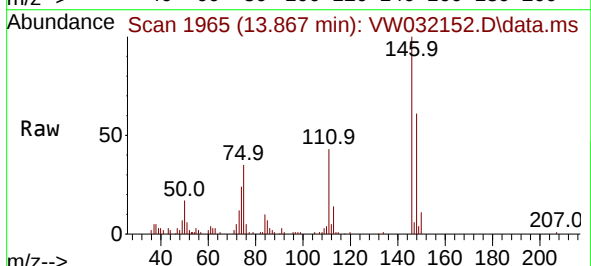
Tgt Ion:146 Resp: 19023

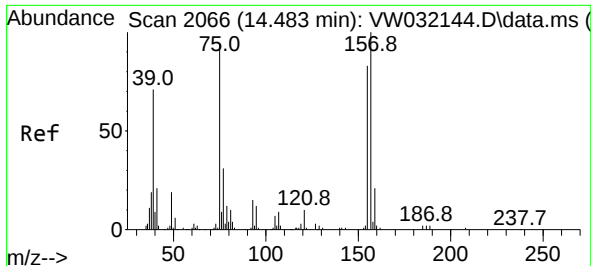
Ion Ratio Lower Upper

146 100

111 42.6 23.4 70.0

148 64.2 34.1 102.3

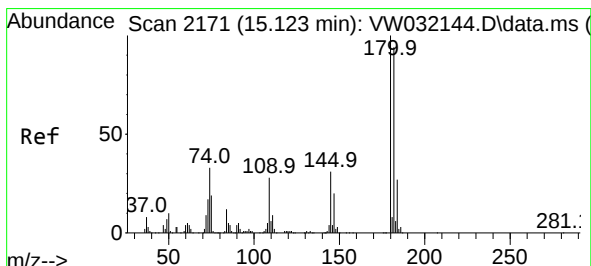
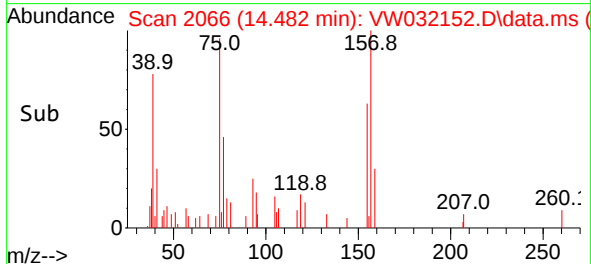
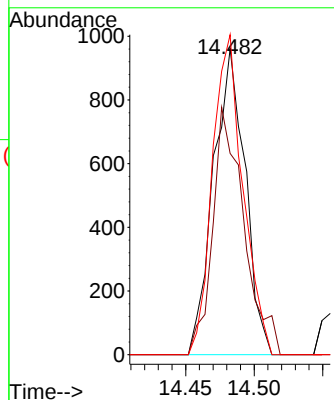
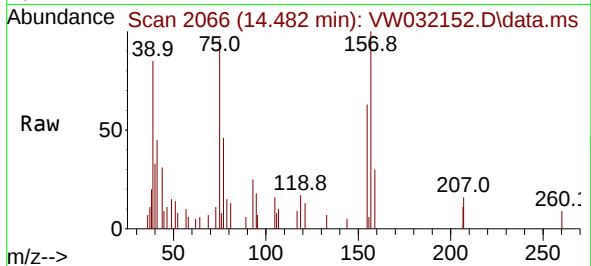




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.078 ug/l
 RT: 14.482 min Scan# 2066
 Delta R.T. -0.000 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:36

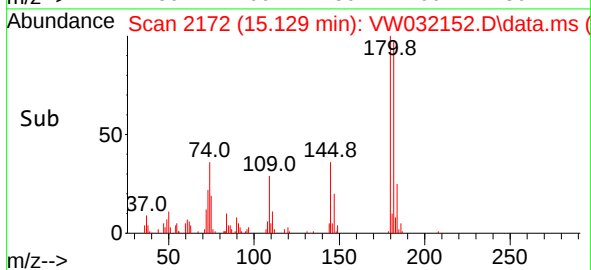
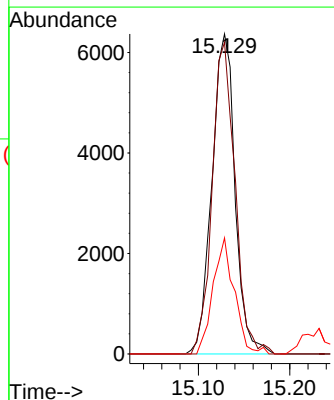
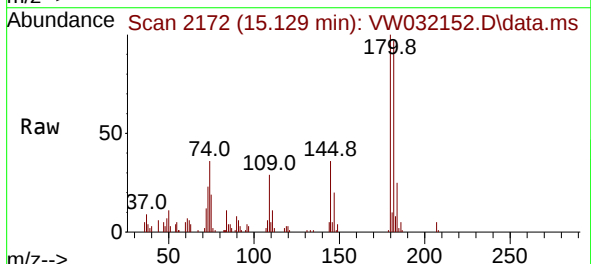
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

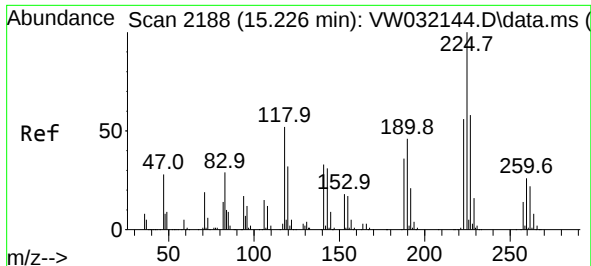
Tgt Ion: 75	Resp:	1545
Ion Ratio	Lower	Upper
75	100	
155	79.8	40.8 122.5
157	100.6	51.8 155.4



#93
 1,2,4-Trichlorobenzene
 Concen: 3.222 ug/l
 RT: 15.129 min Scan# 2172
 Delta R.T. 0.006 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:36

Tgt Ion: 180	Resp:	11188
Ion Ratio	Lower	Upper
180	100	
182	96.1	47.4 142.2
145	33.5	16.4 49.1

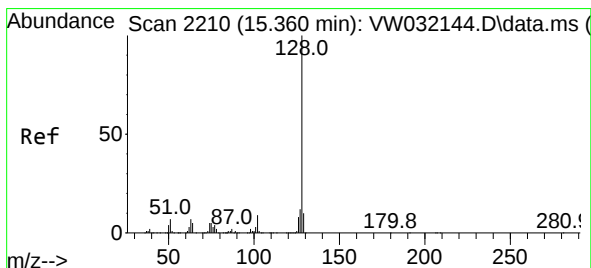
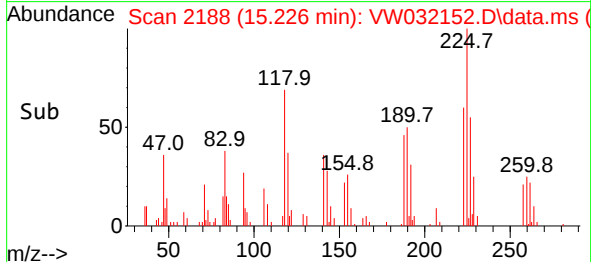
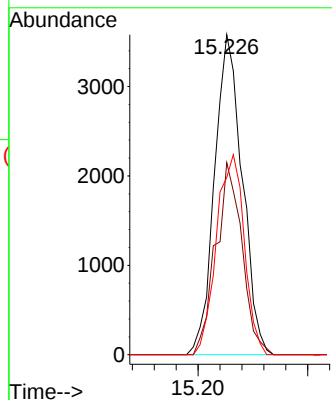
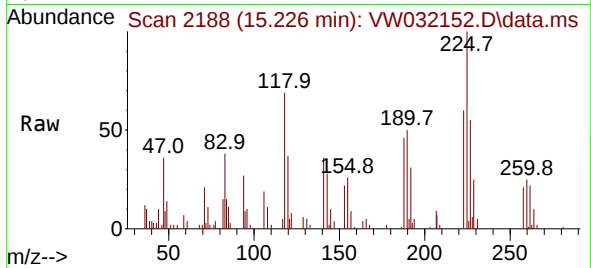




#94
Hexachlorobutadiene
Concen: 3.640 ug/l
RT: 15.226 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

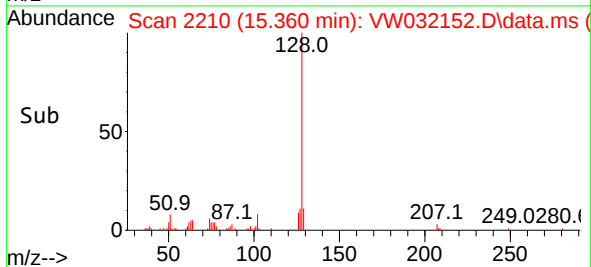
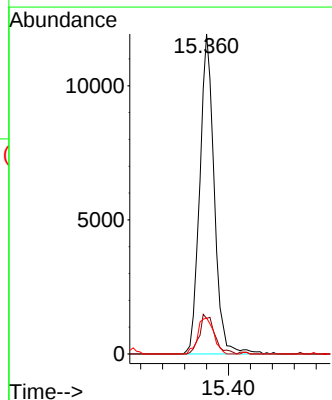
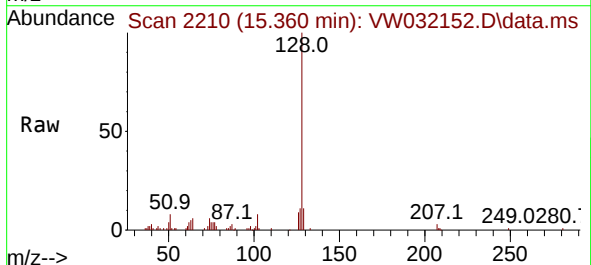
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

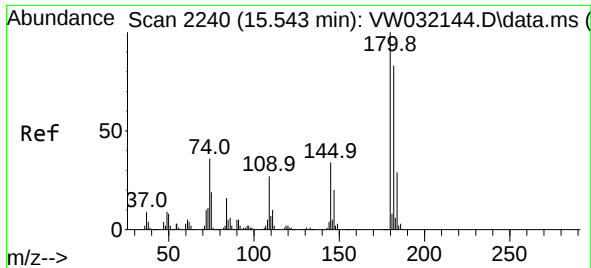
Tgt Ion:	225	Resp:	6268
Ion Ratio	Lower	Upper	
225	100		
223	57.0	29.8	89.3
227	62.7	30.5	91.5



#95
Naphthalene
Concen: 2.782 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VW032152.D
Acq: 28 Aug 2025 12:36

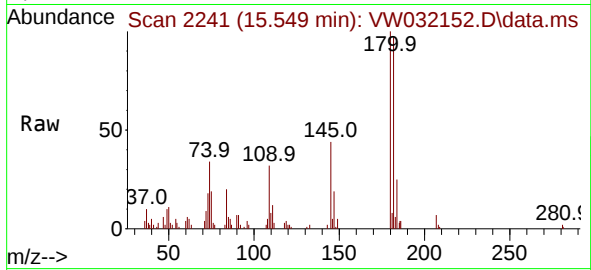
Tgt Ion:	128	Resp:	21858
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	12.4	8.4	12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 3.296 ug/l
 RT: 15.549 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW032152.D
 Acq: 28 Aug 2025 12:36

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



Tgt Ion:	180	Resp:	10643
Ion Ratio	Lower	Upper	
180	100		
182	93.1	47.7	143.1
145	33.9	17.2	51.6

