

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120623\
 Data File : VW027566.D
 Acq On : 06 Dec 2023 14:14
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Dec 07 07:15:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 07 06:54:07 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	296162	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	249817	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	120014	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	126831	21.281	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.120%
7) Chloroethane-d5	2.899	69	96286	22.286	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.160%
11) 1,1-Dichloroethene-d2	4.027	65	57453	22.782	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.120%
21) 2-Butanone-d5	7.081	46	68089	43.599	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.200%
24) Chloroform-d	7.654	84	205048	23.195	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	8.307	65	108517	24.005	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	8.276	84	450346	25.595	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.400%
36) 1,2-Dichloropropane-d6	9.270	67	132327	25.511	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.040%
41) Toluene-d8	10.325	98	386804	25.126	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.520%
43) trans-1,3-Dichloroprop...	10.575	79	47248	23.555	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.240%
47) 2-Hexanone-d5	10.922	63	46056	47.654	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.300%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	100576	23.573	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.280%
66) 1,2-Dichlorobenzene-d4	13.848	152	108039	25.681	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	93	0.023	ug/L	96
3) Chloromethane	2.216	50	5802	1.195	ug/L	98
5) Vinyl chloride	2.448	62	81	0.014	ug/L	94
6) Bromomethane	2.795	94	3106	1.045	ug/L	94
8) Chloroethane	2.936	64	3240	1.001	ug/L	93
9) Trichlorofluoromethane	3.277	101	5839	1.076	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	182	0.039	ug/L #	1
12) 1,1-Dichloroethene	4.051	96	6046	1.431	ug/L #	1
13) Acetone	4.131	43	3138	2.084	ug/L	81
14) Carbon disulfide	4.393	76	14838	1.162	ug/L	98
15) Methyl Acetate	4.576	43	124	0.047	ug/L	100
16) Methylene chloride	4.923	84	10237	2.120	ug/L	95
17) trans-1,2-Dichloroethene	5.435	96	4890	1.123	ug/L	91
18) Methyl tert-butyl Ether	5.697	73	105	0.015	ug/L	96
19) 1,1-Dichloroethane	6.216	63	9616	1.086	ug/L	94
20) cis-1,2-Dichloroethene	7.173	96	4982	1.065	ug/L	93
22) 2-Butanone	7.185	43	3393	1.747	ug/L	79
23) Bromochloromethane	7.520	128	2337	1.270	ug/L	91
25) Chloroform	7.679	83	9780	1.216	ug/L	95

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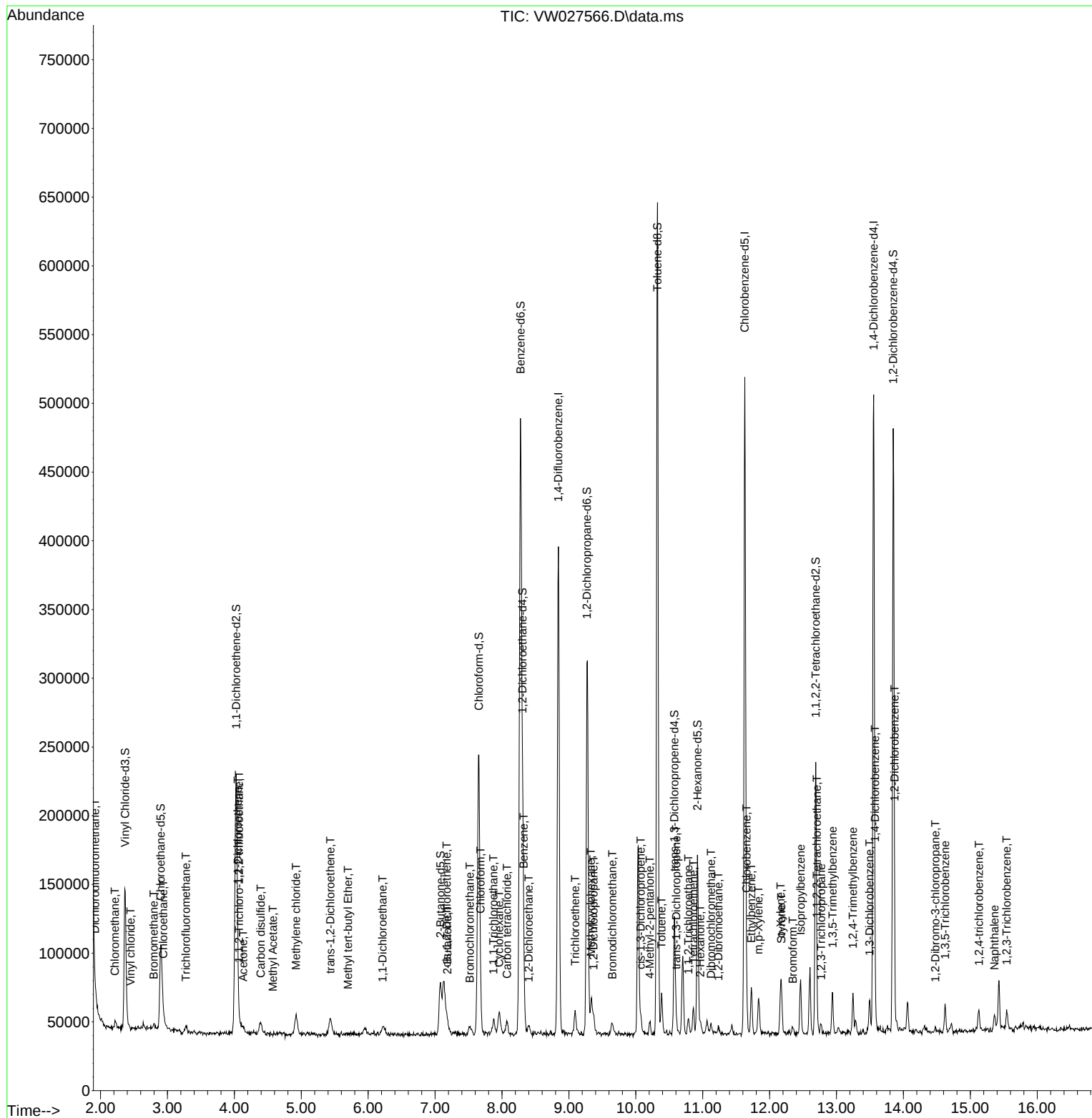
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	6204	1.193	ug/L #	95
29) Cyclohexane	7.959	56	9193	1.119	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	7889	1.132	ug/L	98
31) Carbon tetrachloride	8.075	117	6969	1.147	ug/L	96
33) Benzene	8.325	78	19035	1.104	ug/L	100
34) Trichloroethene	9.093	95	5537	1.176	ug/L	97
35) Methylcyclohexane	9.331	83	9574	1.142	ug/L	96
37) 1,2-Dichloropropane	9.367	63	5139	1.129	ug/L #	91
38) Bromodichloromethane	9.648	83	5660	1.075	ug/L #	92
39) cis-1,3-Dichloropropene	10.075	75	6810	1.036	ug/L	93
40) 4-Methyl-2-pentanone	10.209	43	6417	2.085	ug/L	94
42) Toluene	10.386	91	20386	1.118	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	8050	1.518	ug/L	88
45) 1,1,2-Trichloroethane	10.788	97	3600	1.136	ug/L	90
46) Tetrachloroethene	10.861	164	3869	1.152	ug/L	85
48) 2-Hexanone	10.965	43	4639	2.139	ug/L #	90
49) Dibromochloromethane	11.123	129	3360	1.072	ug/L	82
50) 1,2-Dibromoethane	11.233	107	3417	1.178	ug/L	85
51) Chlorobenzene	11.654	112	12649	1.150	ug/L	93
52) Ethylbenzene	11.727	91	22872	1.104	ug/L	99
53) m,p-Xylene	11.836	106	7849	1.028	ug/L	96
54) o-Xylene	12.166	106	7254	1.046	ug/L	96
55) Styrene	12.178	104	11233	0.949	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	4959	1.201	ug/L #	89
59) Bromoform	12.349	173	1799	1.070	ug/L #	90
60) Isopropylbenzene	12.464	105	20740	1.047	ug/L #	94
61) 1,2,3-Trichloropropane	12.769	75	3367	1.163	ug/L	95
62) 1,3,5-Trimethylbenzene	12.940	105	14392	0.982	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	14623	1.002	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	8116	1.069	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	8603	1.136	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	7365	1.077	ug/L #	85
68) 1,2-Dibromo-3-chloropr...	14.476	75	1354	1.945	ug/L #	86
69) 1,3,5-Trichlorobenzene	14.623	180	5002	0.980	ug/L	94
70) 1,2,4-trichlorobenzene	15.129	180	4640	1.171	ug/L	89
71) Naphthalene	15.360	128	8800	1.056	ug/L #	93
72) 1,2,3-Trichlorobenzene	15.543	180	3771	1.111	ug/L	95

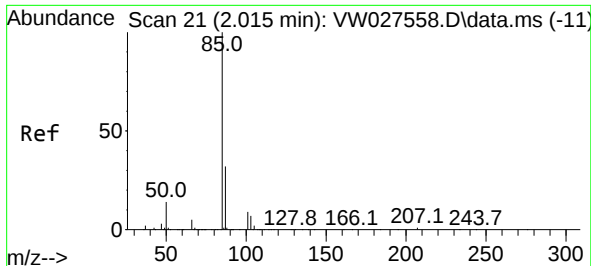
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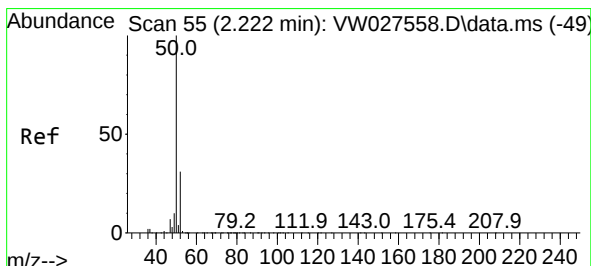
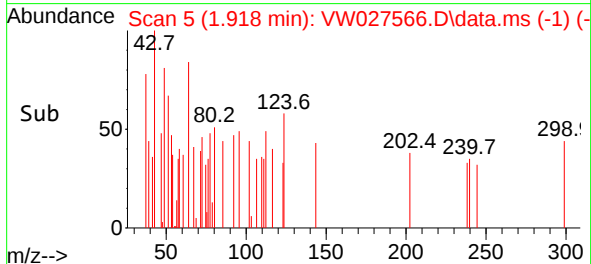
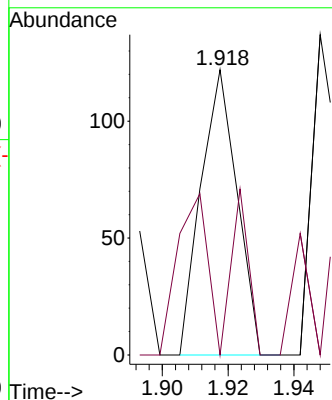
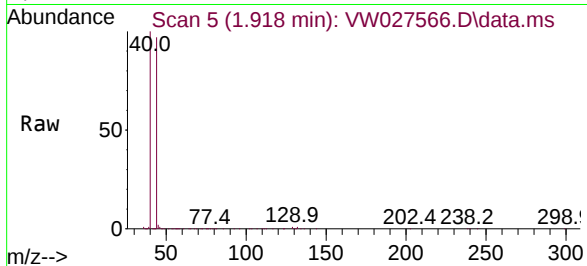




#2
Dichlorodifluoromethane
Concen: 0.023 ug/L
RT: 1.918 min Scan# 5
Delta R.T. -0.098 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

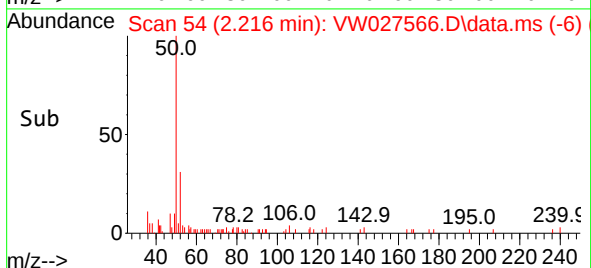
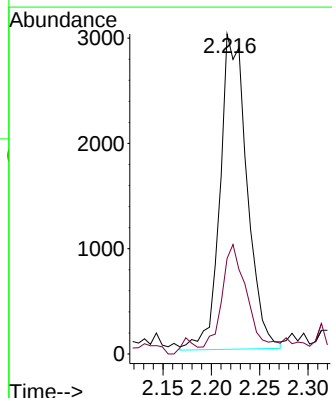
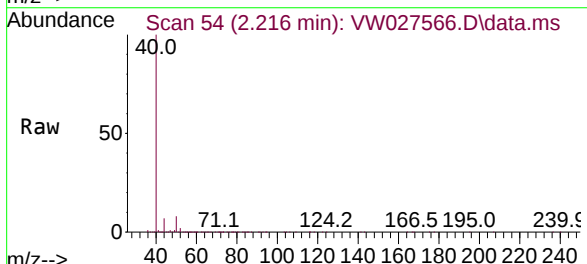
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

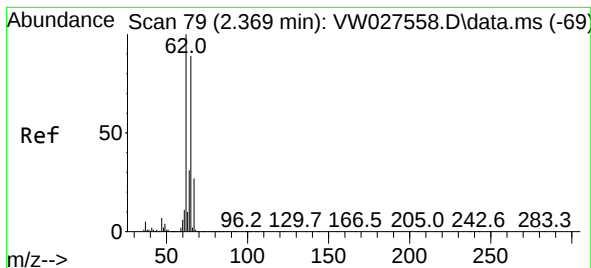
Tgt Ion: 85 Resp: 93
Ion Ratio Lower Upper
85 100
87 28.0 24.0 36.0



#3
Chloromethane
Concen: 1.195 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion: 50 Resp: 5802
Ion Ratio Lower Upper
50 100
52 29.9 21.8 40.6





#5

Vinyl chloride

Concen: 0.014 ug/L

RT: 2.448 min Scan# 91

Delta R.T. 0.079 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

Instrument :

MSVOA_W

ClientSampleId :

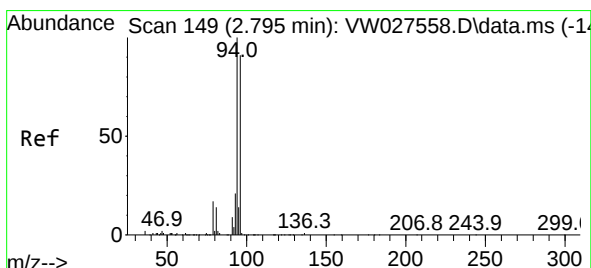
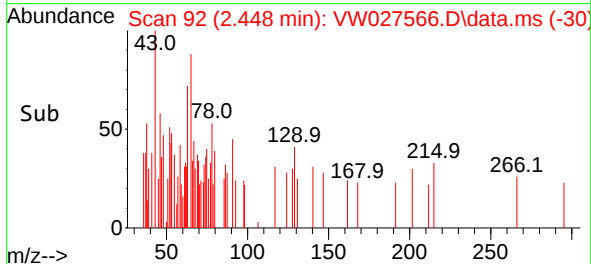
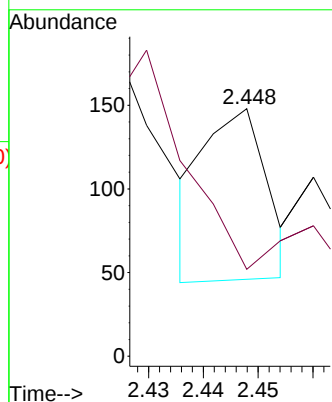
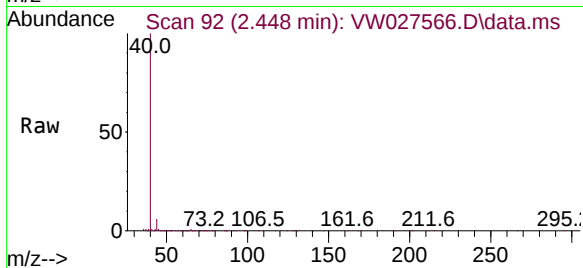
MDL-SOIL-QT4-2023-07

Tgt Ion: 62 Resp: 81

Ion Ratio Lower Upper

62 100

64 35.1 22.2 41.2



#6

Bromomethane

Concen: 1.045 ug/L

RT: 2.795 min Scan# 149

Delta R.T. -0.000 min

Lab File: VW027566.D

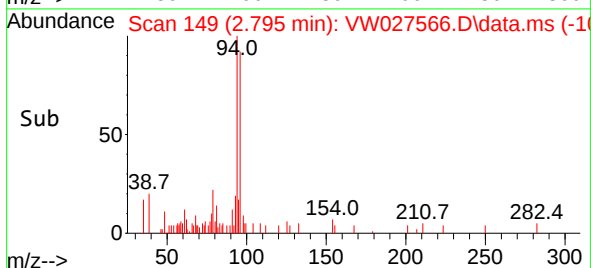
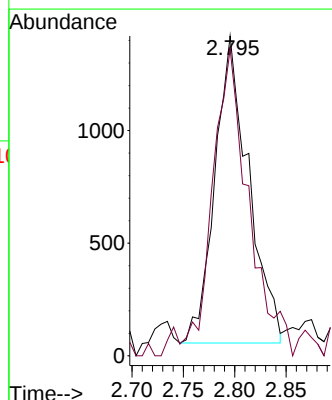
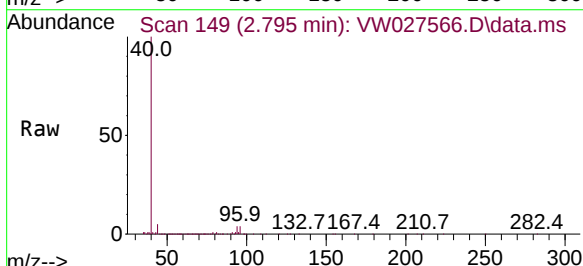
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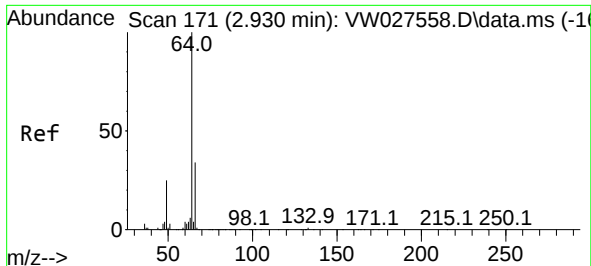
Tgt Ion: 94 Resp: 3106

Ion Ratio Lower Upper

94 100

96 95.9 63.3 117.7

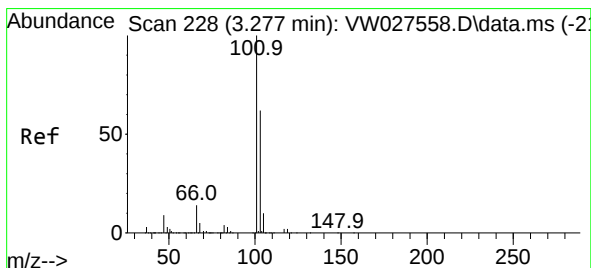
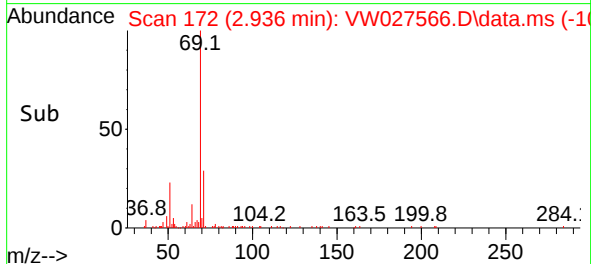
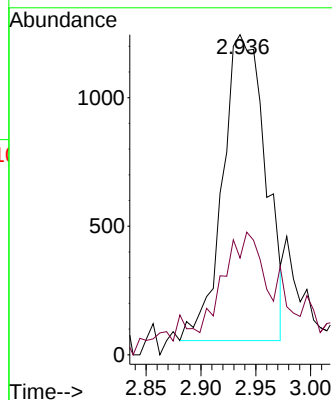
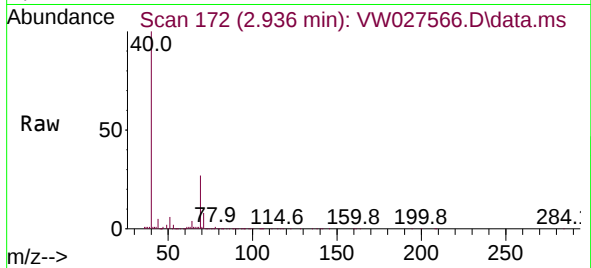




#8
Chloroethane
Concen: 1.001 ug/L
RT: 2.936 min Scan# 171
Delta R.T. 0.006 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

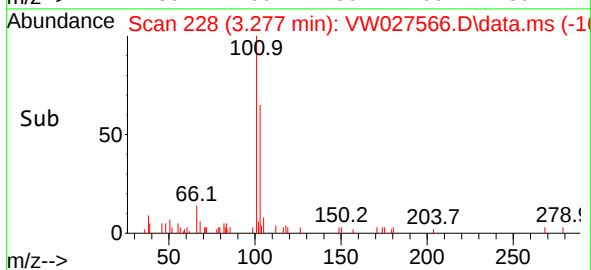
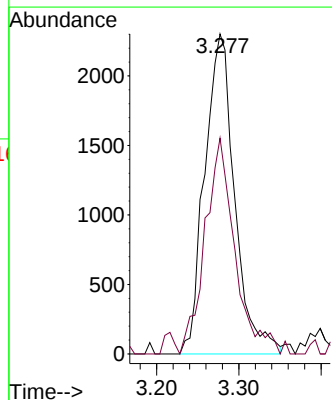
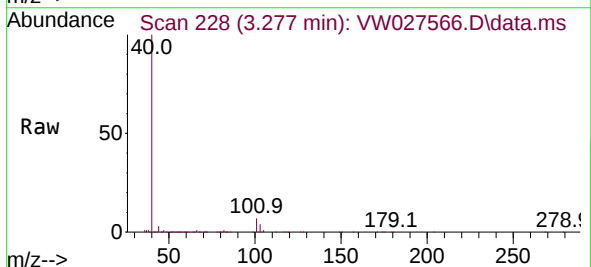
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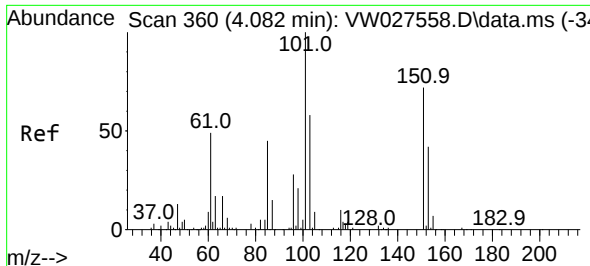
Tgt Ion: 64 Resp: 3240
Ion Ratio Lower Upper
64 100
66 30.2 24.1 44.7



#9
Trichlorofluoromethane
Concen: 1.076 ug/L
RT: 3.277 min Scan# 228
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion: 101 Resp: 5839
Ion Ratio Lower Upper
101 100
103 63.6 52.0 78.0

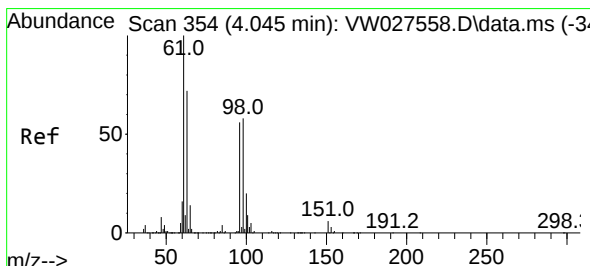
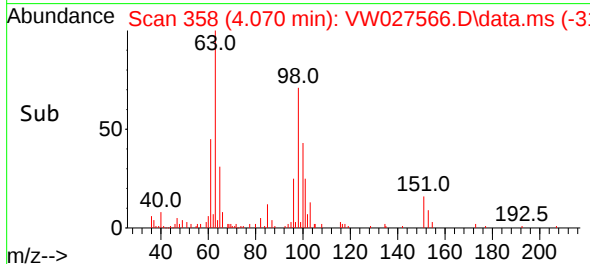
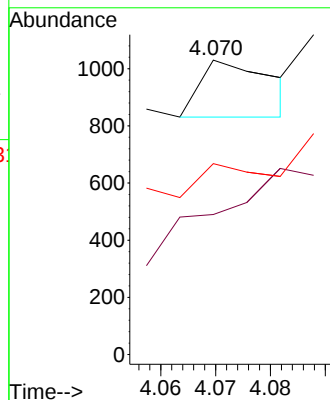
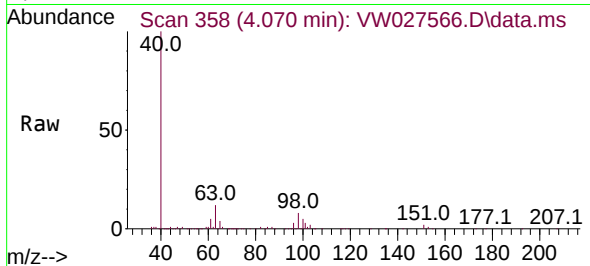




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.039 ug/L
RT: 4.070 min Scan# 310
Delta R.T. -0.012 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

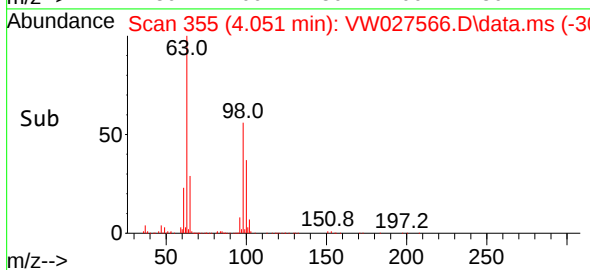
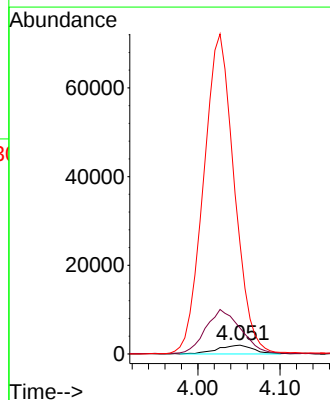
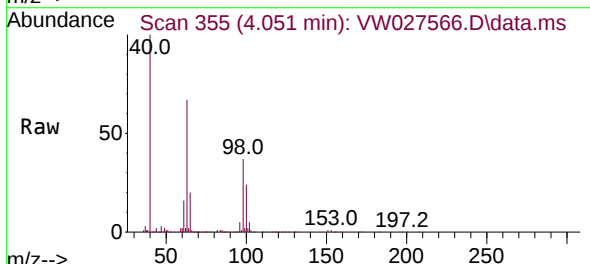
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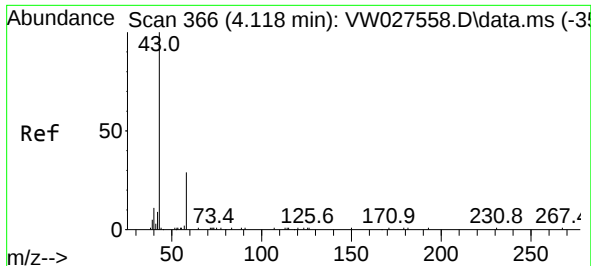
Tgt Ion:101 Resp: 182
Ion Ratio Lower Upper
101 100
85 0.0 33.9 50.9#
151 768.7 54.6 81.8#



#12
1,1-Dichloroethene
Concen: 1.431 ug/L
RT: 4.051 min Scan# 355
Delta R.T. 0.006 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion: 96 Resp: 6046
Ion Ratio Lower Upper
96 100
61 295.8 127.8 237.4#
63 1253.9 104.9 194.7#

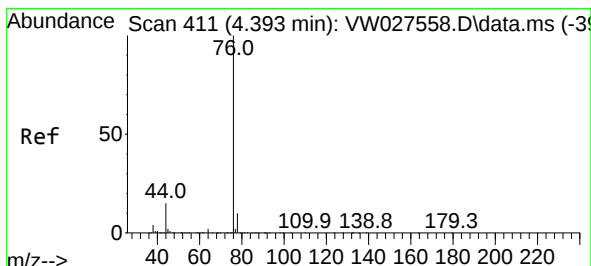
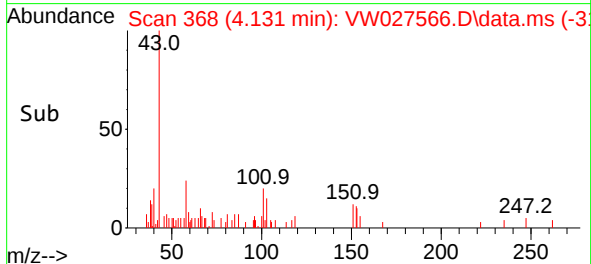
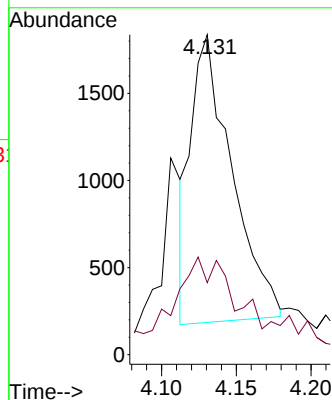
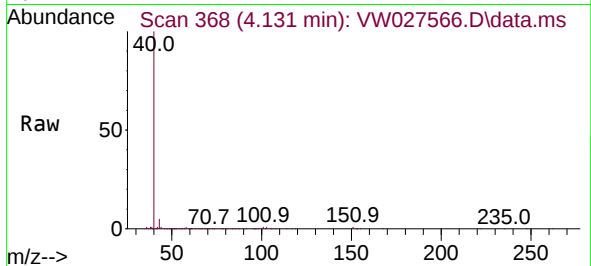




#13
Acetone
Concen: 2.084 ug/L
RT: 4.131 min Scan# 368
Delta R.T. 0.012 min
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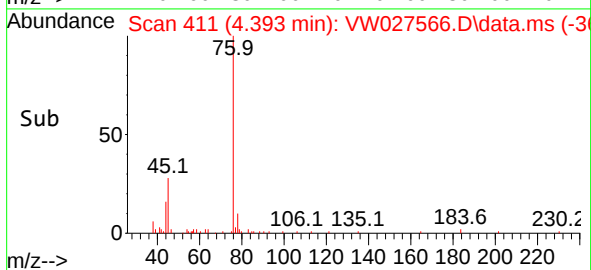
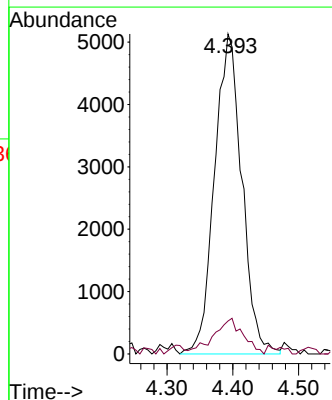
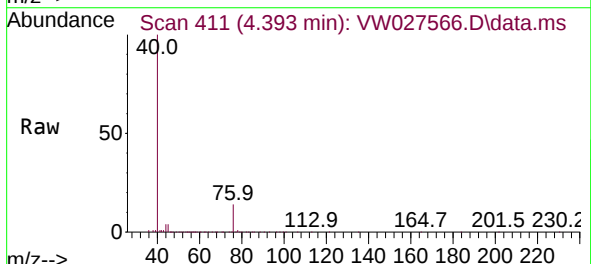
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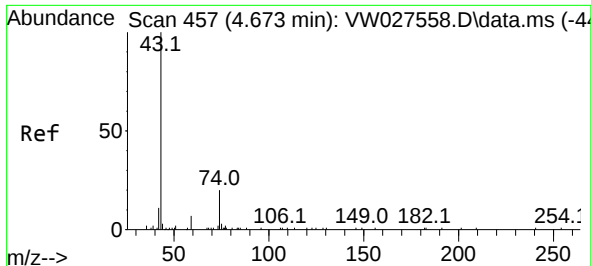
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Ion Ratio Lower Upper
43 100
58 19.6 0.0 60.0



#14
Carbon disulfide
Concen: 1.162 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion: 76 Resp: 14838
Ion Ratio Lower Upper
76 100
78 10.3 7.8 11.6

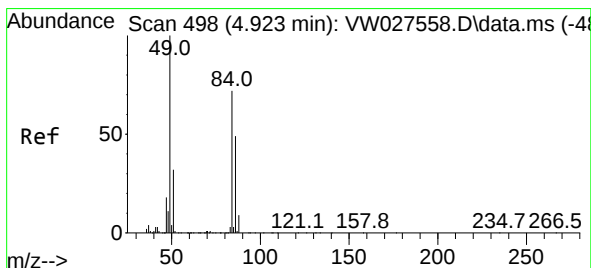
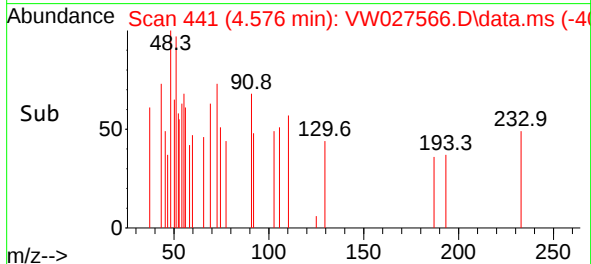
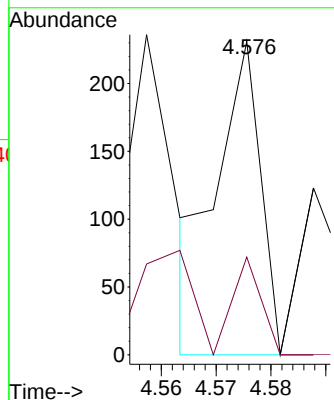
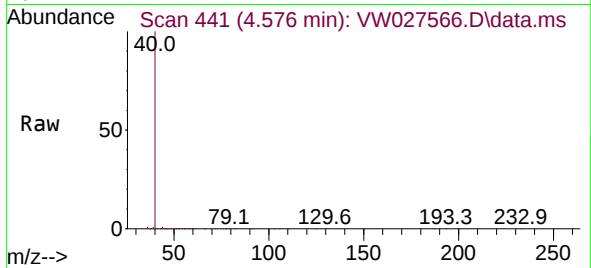




#15
Methyl Acetate
Concen: 0.047 ug/L
RT: 4.576 min Scan# 441
Delta R.T. -0.098 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

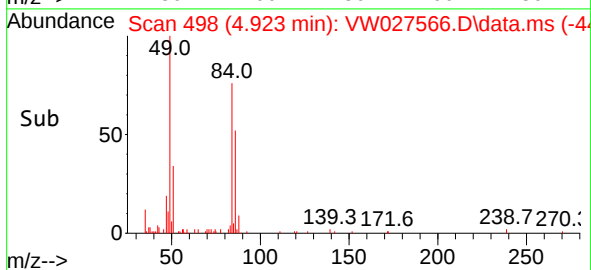
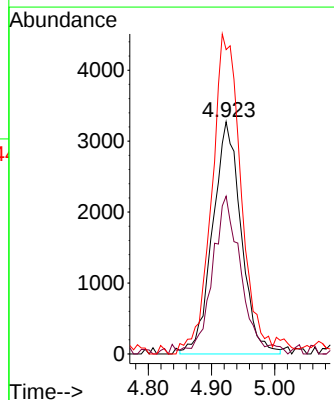
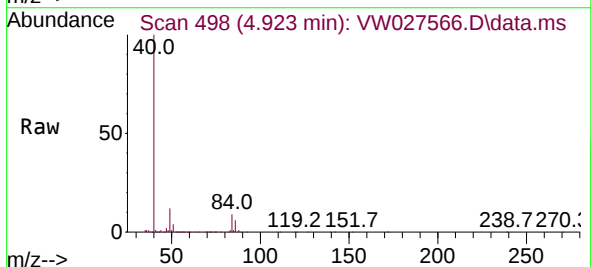
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

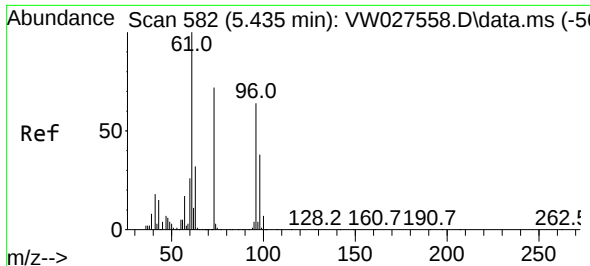
Tgt Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
74 21.0 16.8 25.2



#16
Methylene chloride
Concen: 2.120 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion: 84 Resp: 10237
Ion Ratio Lower Upper
84 100
86 68.0 47.7 88.7
49 131.1 97.4 181.0

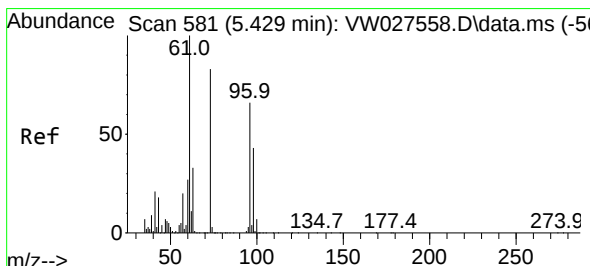
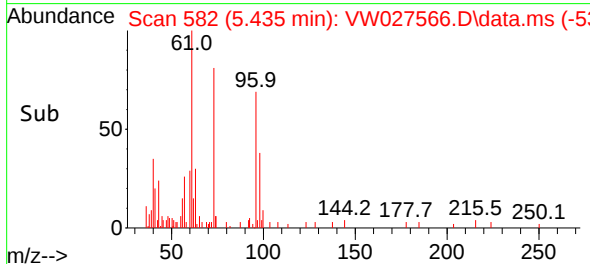
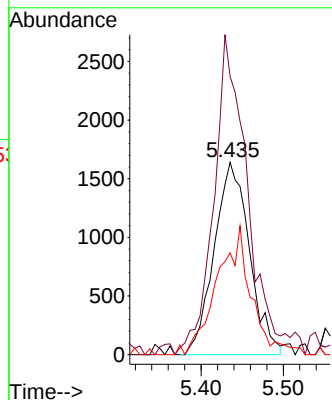
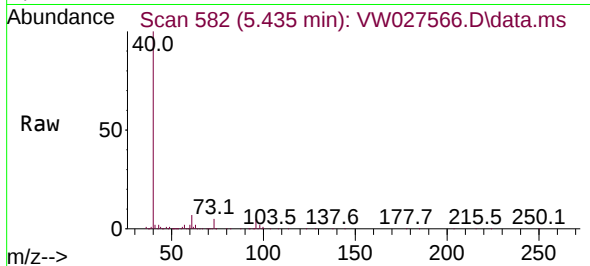




#17
trans-1,2-Dichloroethene
Concen: 1.123 ug/L
RT: 5.435 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

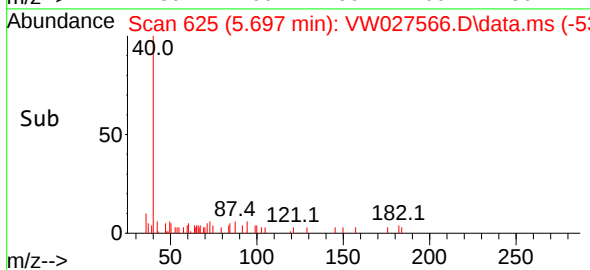
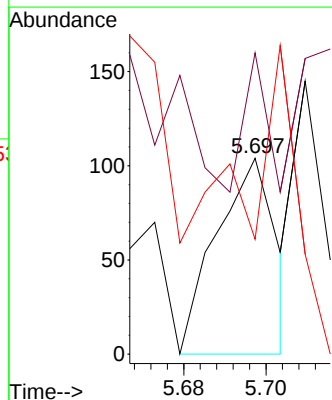
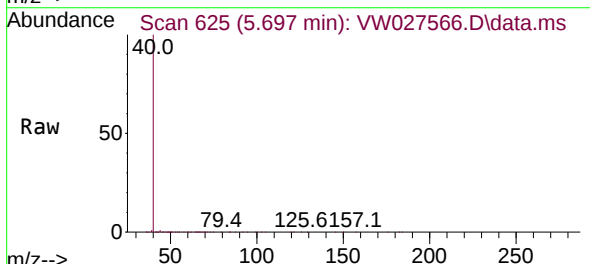
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

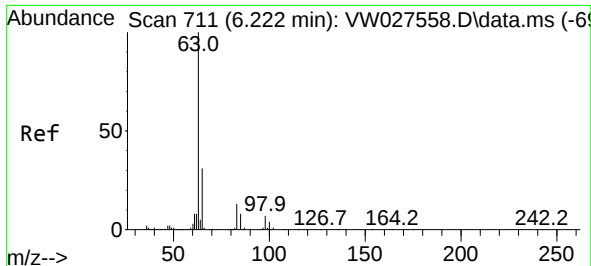
Tgt Ion:	96	Resp:	4890
Ion	Ratio	Lower	Upper
96	100		
61	144.5	109.6	203.6
98	52.9	41.9	77.7



#18
Methyl tert-butyl Ether
Concen: 0.015 ug/L
RT: 5.697 min Scan# 625
Delta R.T. 0.268 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion:	73	Resp:	105
Ion	Ratio	Lower	Upper
73	100		
43	25.7	17.8	26.6
57	24.8	19.9	29.9





#19

1,1-Dichloroethane

Concen: 1.086 ug/L

RT: 6.216 min Scan# 711

Delta R.T. -0.006 min

Lab File: VW027566.D

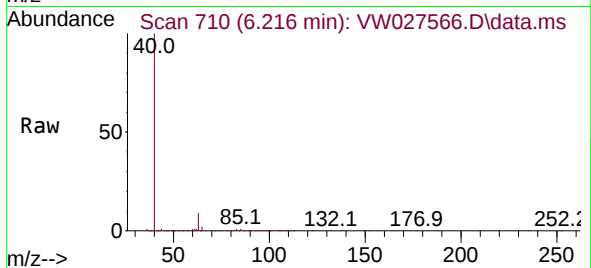
Acq: 06 Dec 2023 14:14

Instrument :

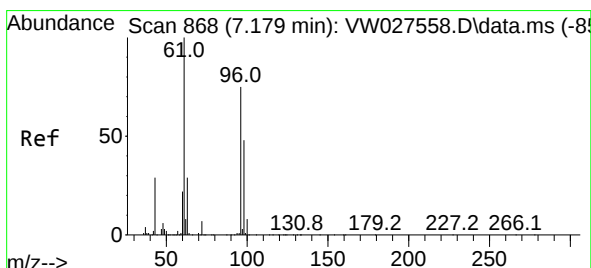
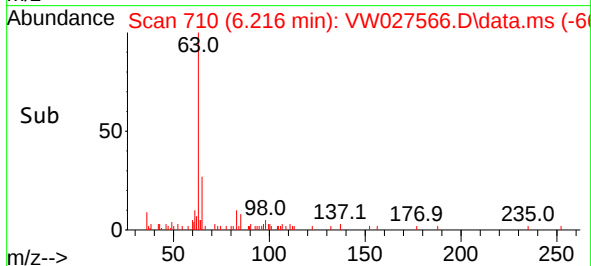
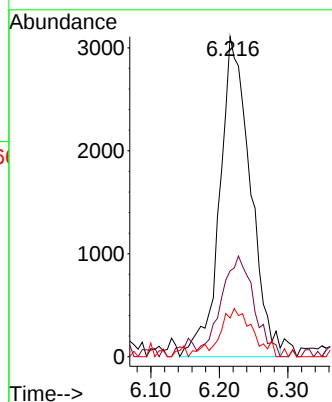
MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion: 63	Resp: 9616
Ion Ratio	Lower Upper
63	100
65	26.9 22.0 40.8
83	12.1 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 1.065 ug/L

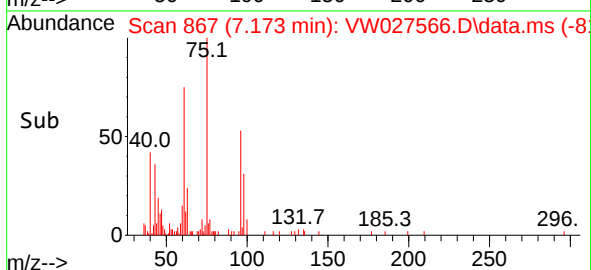
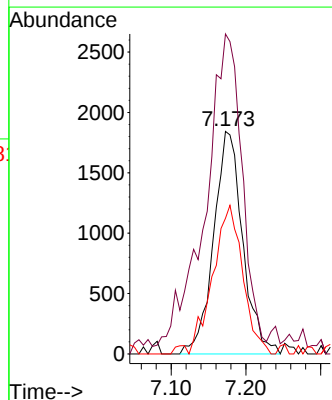
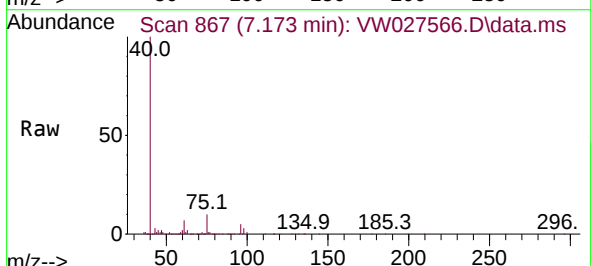
RT: 7.173 min Scan# 867

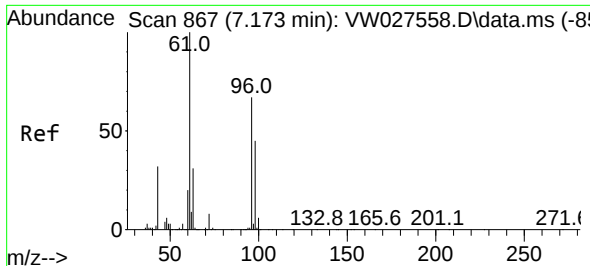
Delta R.T. -0.006 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

Tgt Ion: 96	Resp: 4982
Ion Ratio	Lower Upper
96	100
61	143.8 94.0 174.6
98	61.0 45.1 83.7

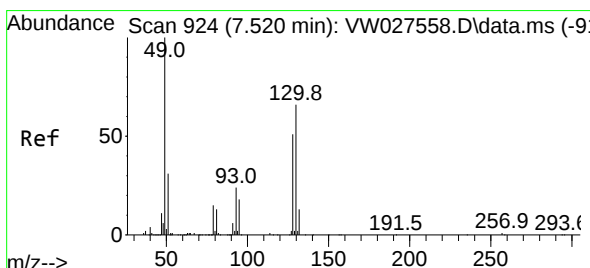
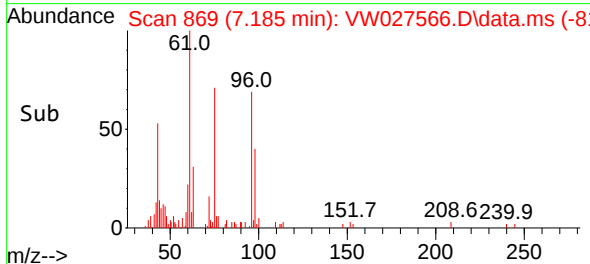
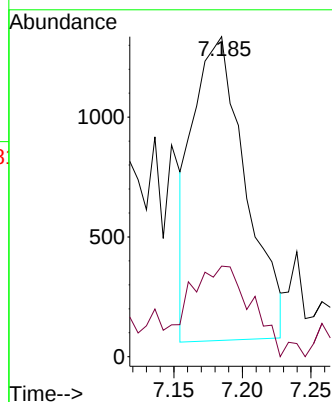
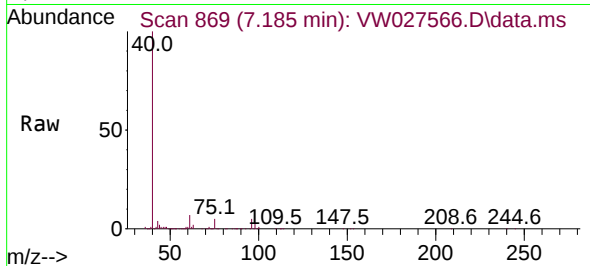




#22
2-Butanone
Concen: 1.747 ug/L
RT: 7.185 min Scan# 869
Delta R.T. 0.012 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

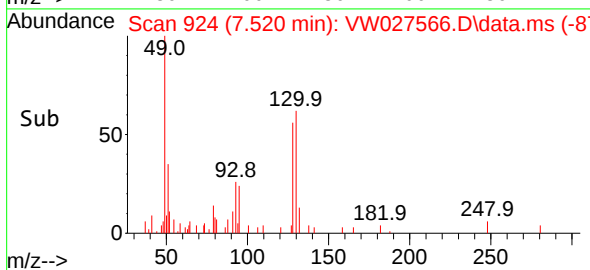
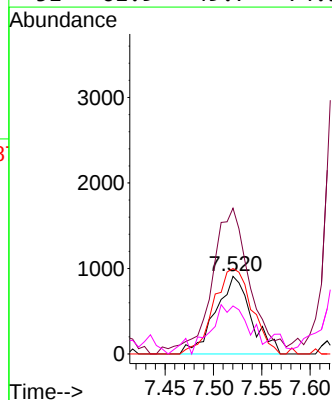
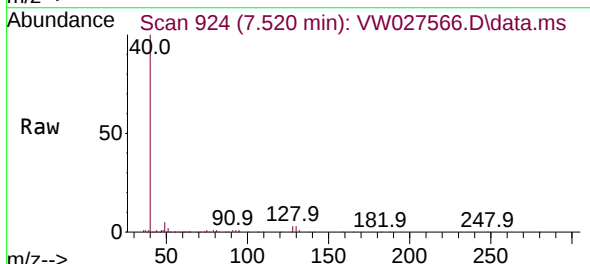
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

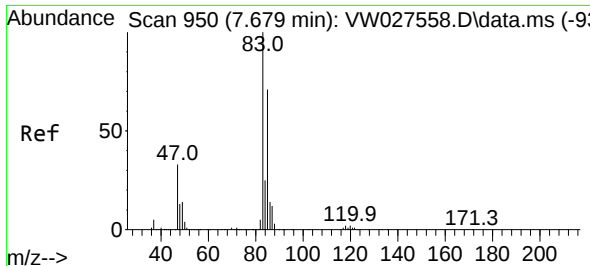
Tgt Ion: 43 Resp: 3393
Ion Ratio Lower Upper
43 100
72 34.0 11.9 35.9



#23
Bromochloromethane
Concen: 1.270 ug/L
RT: 7.520 min Scan# 924
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion: 128 Resp: 2337
Ion Ratio Lower Upper
128 100
49 187.8 137.8 256.0
130 110.1 91.2 169.4
51 61.9 49.7 74.5

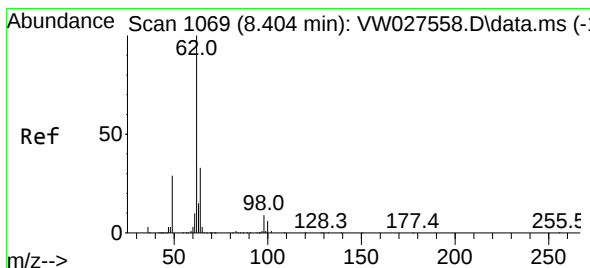
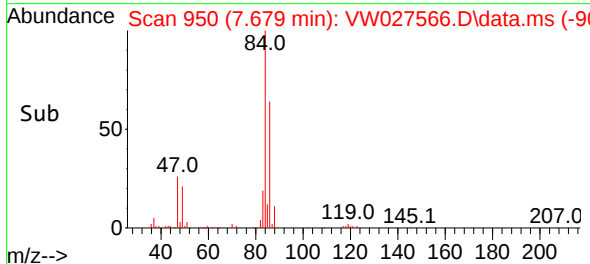
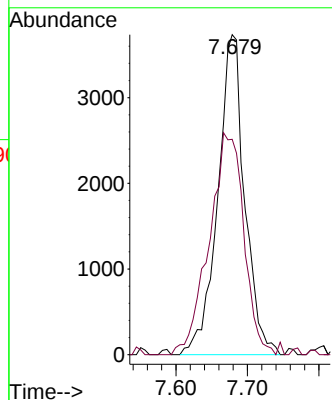
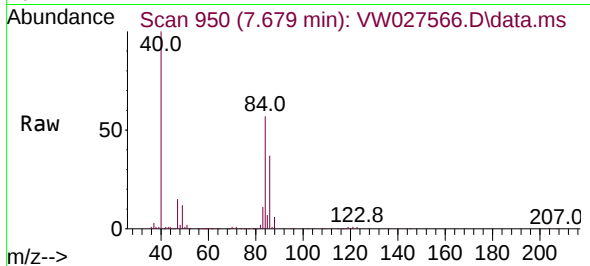




#25
Chloroform
Concen: 1.216 ug/L
RT: 7.679 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

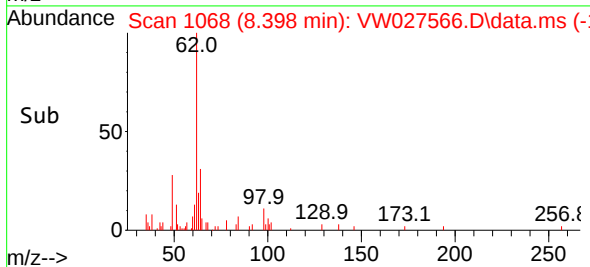
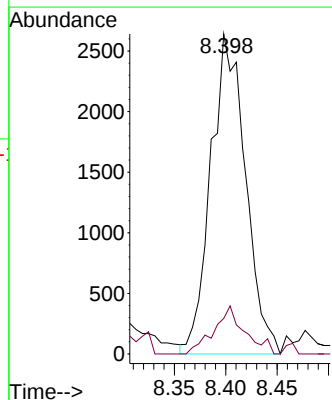
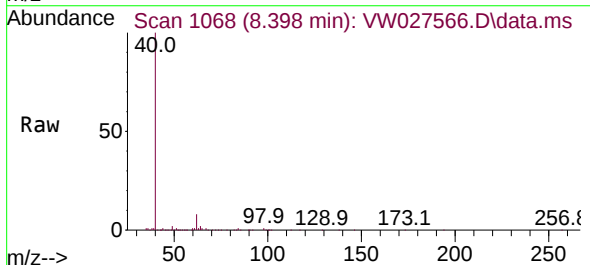
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

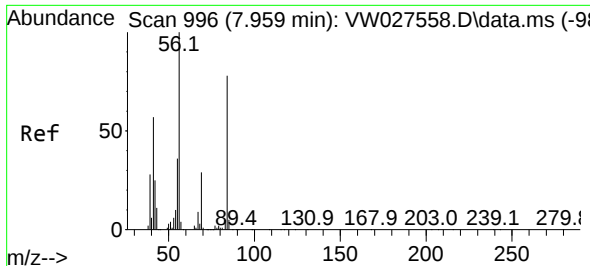
Tgt Ion: 83 Resp: 9780
Ion Ratio Lower Upper
83 100
85 67.3 49.8 92.6



#27
1,2-Dichloroethane
Concen: 1.193 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion: 62 Resp: 6204
Ion Ratio Lower Upper
62 100
98 11.1 7.4 11.0#

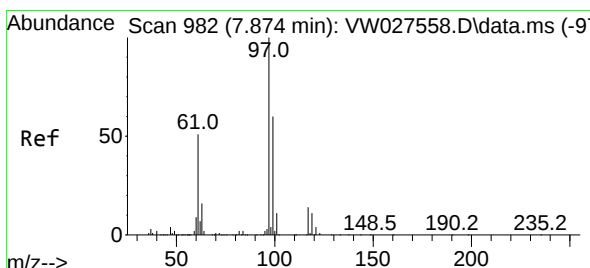
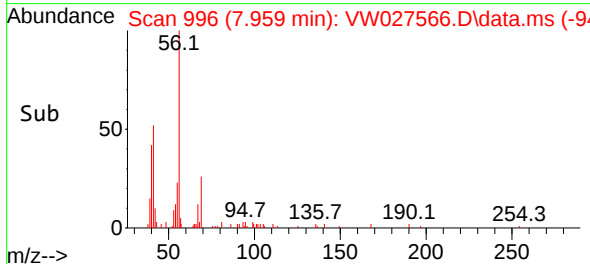
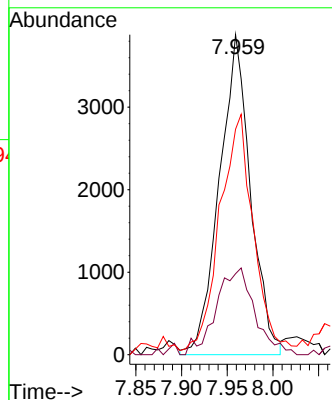
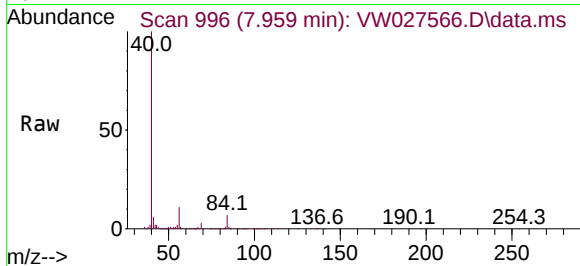




#29
Cyclohexane
Concen: 1.119 ug/L
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

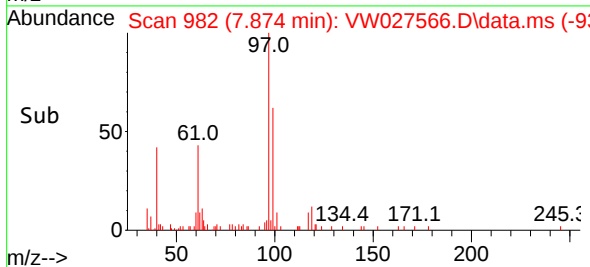
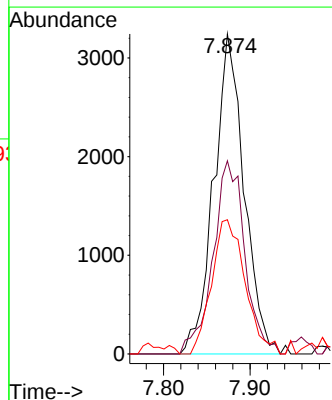
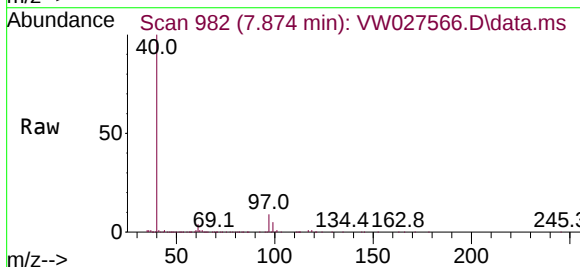
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

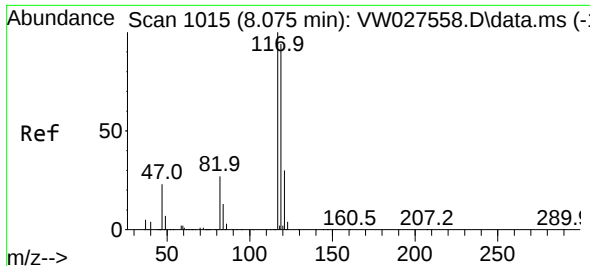
Tgt Ion:	56	Resp:	9193
Ion Ratio	Lower	Upper	
56	100		
69	32.2	24.1	36.1
84	78.5	65.0	97.4



#30
1,1,1-Trichloroethane
Concen: 1.132 ug/L
RT: 7.874 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion:	97	Resp:	7889
Ion Ratio	Lower	Upper	
97	100		
99	63.2	50.5	75.7
61	45.8	39.0	58.4

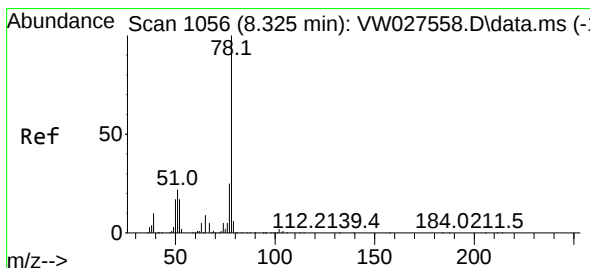
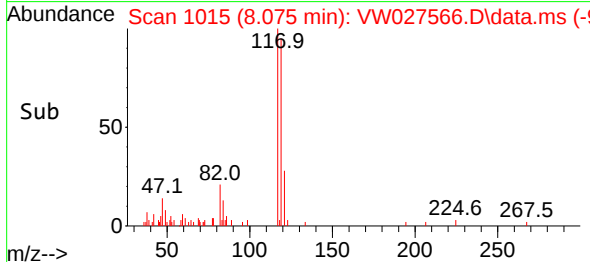
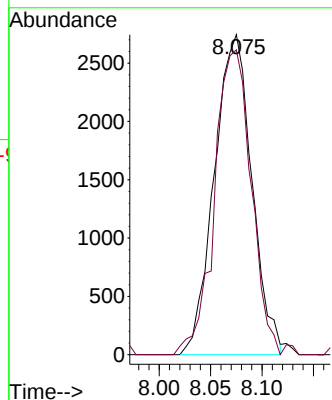
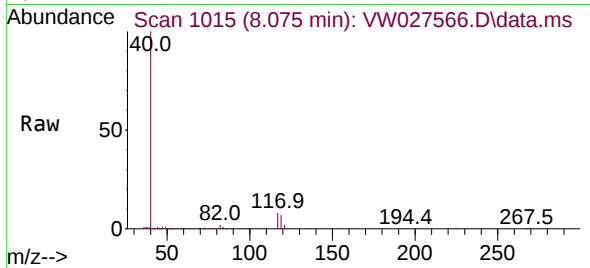




#31
Carbon tetrachloride
Concen: 1.147 ug/L
RT: 8.075 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

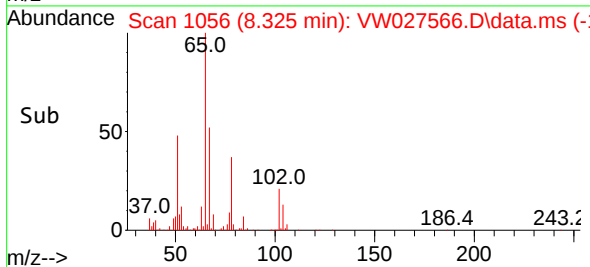
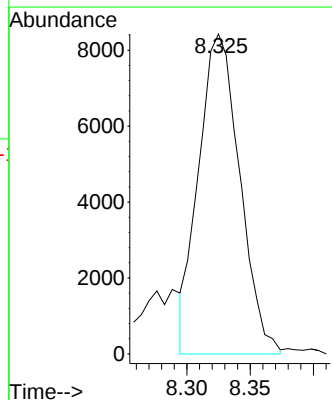
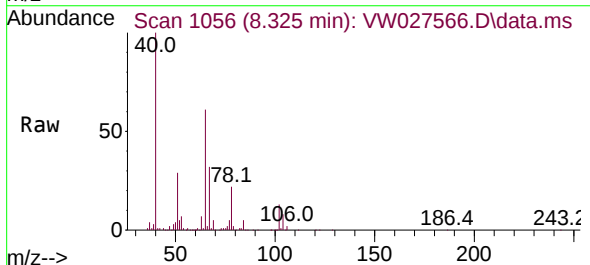
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

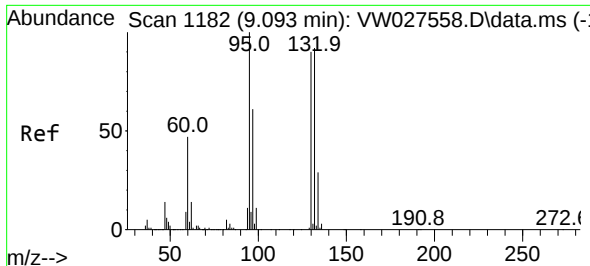
Tgt Ion:117 Resp: 6969
Ion Ratio Lower Upper
117 100
119 92.8 77.0 115.6



#33
Benzene
Concen: 1.104 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion: 78 Resp: 19035

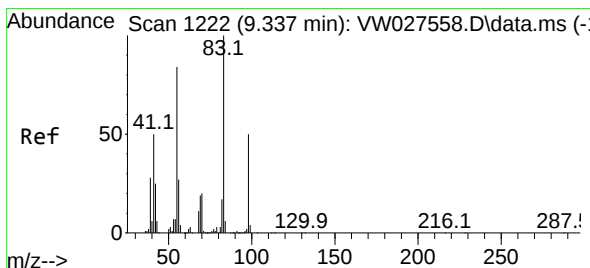
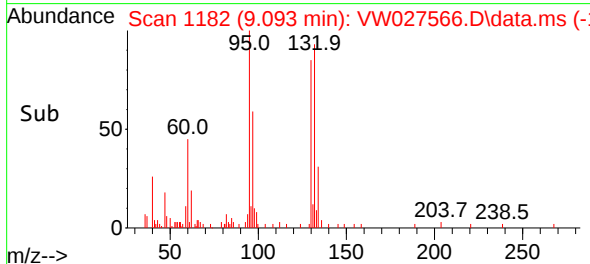
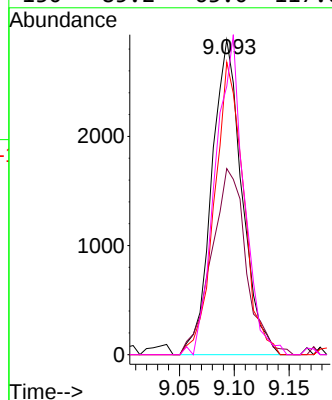
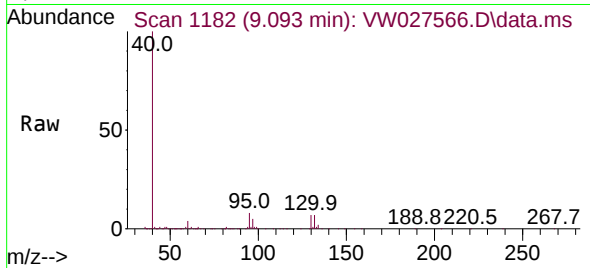




#34
Trichloroethene
Concen: 1.176 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

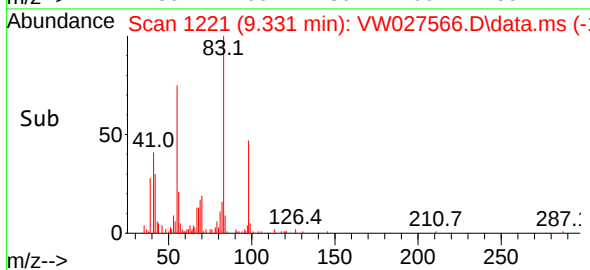
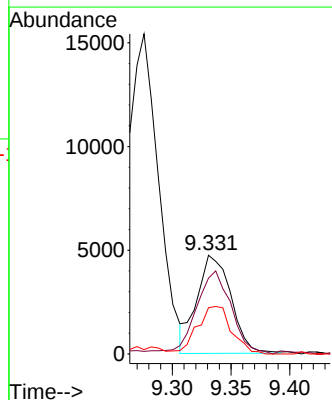
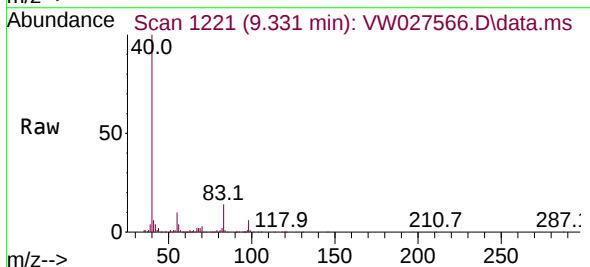
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

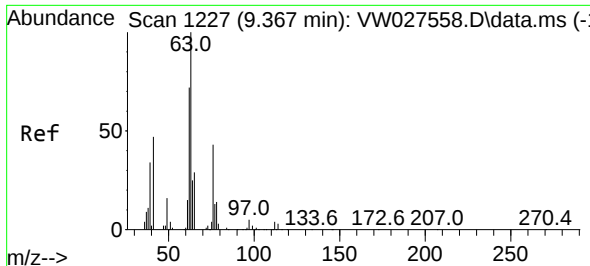
Tgt Ion:	95	Resp:	5537
Ion	Ratio	Lower	Upper
95	100		
97	59.1	43.0	80.0
132	92.9	64.1	119.1
130	85.2	63.0	117.0



#35
Methylcyclohexane
Concen: 1.142 ug/L
RT: 9.331 min Scan# 1221
Delta R.T. -0.006 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion:	83	Resp:	9574
Ion	Ratio	Lower	Upper
83	100		
55	87.3	65.6	98.4
98	48.3	38.3	57.5





#37

1,2-Dichloropropane

Concen: 1.129 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

Instrument :

MSVOA_W

ClientSampleId :

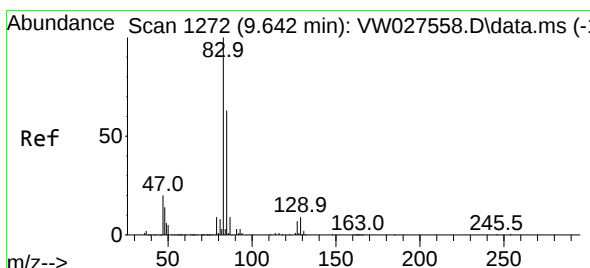
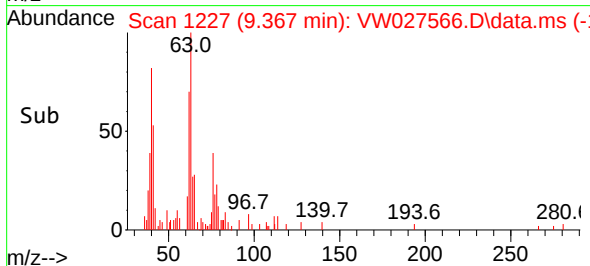
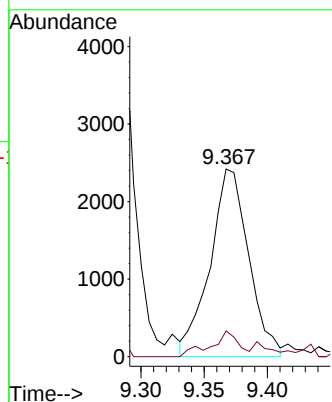
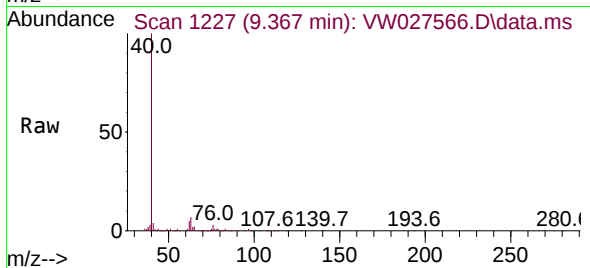
MDL-SOIL-QT4-2023-07

Tgt Ion: 63 Resp: 5139

Ion Ratio Lower Upper

63 100

112 7.5 3.6 5.4#



#38

Bromodichloromethane

Concen: 1.075 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

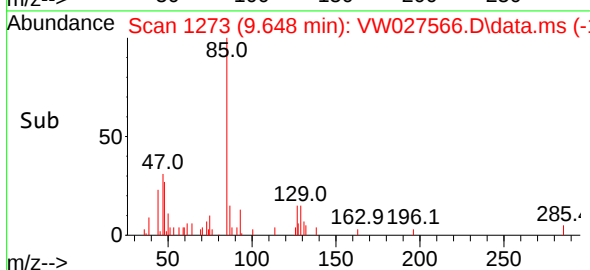
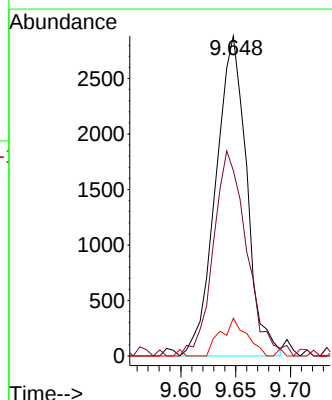
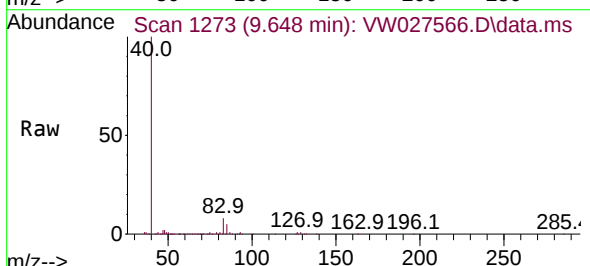
Tgt Ion: 83 Resp: 5660

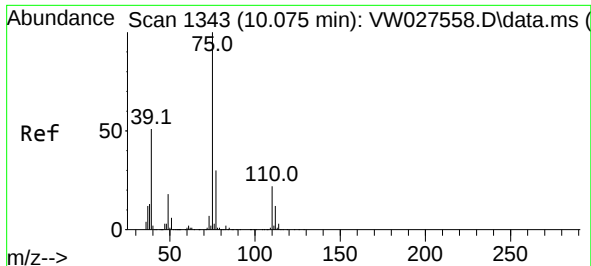
Ion Ratio Lower Upper

83 100

85 58.0 44.3 82.3

127 11.8 5.3 7.9#





#39

cis-1,3-Dichloropropene

Concen: 1.036 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

Instrument :

MSVOA_W

ClientSampleId :

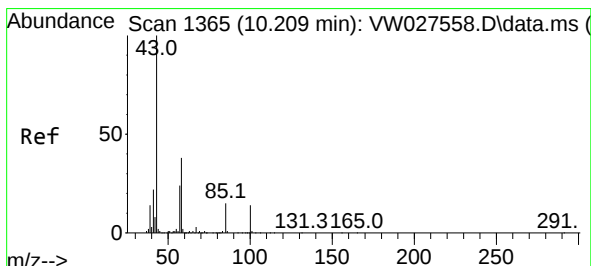
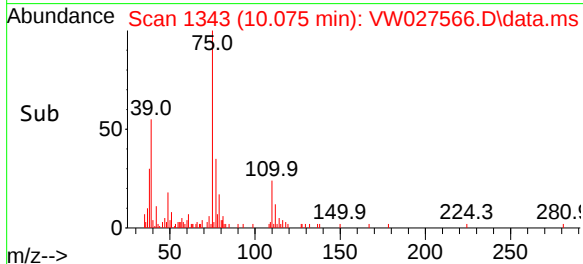
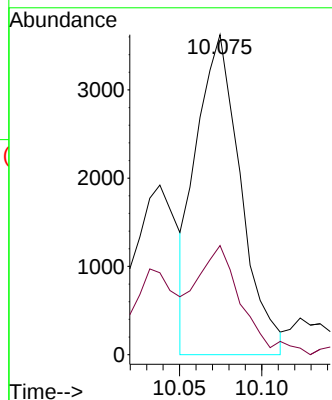
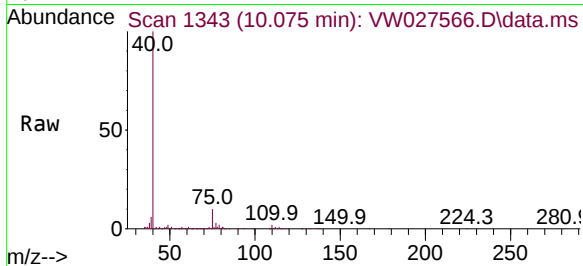
MDL-SOIL-QT4-2023-07

Tgt Ion: 75 Resp: 6810

Ion Ratio Lower Upper

75 100

77 34.1 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 2.085 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

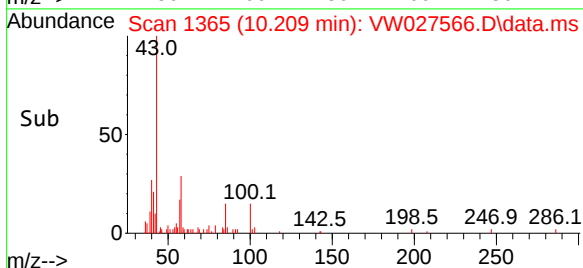
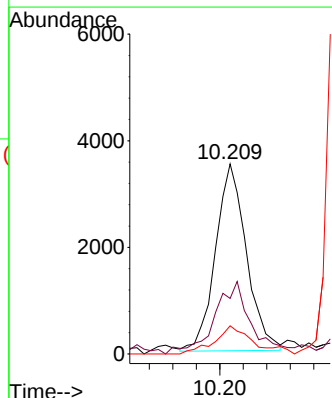
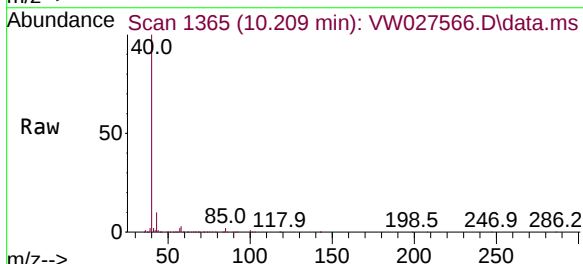
Tgt Ion: 43 Resp: 6417

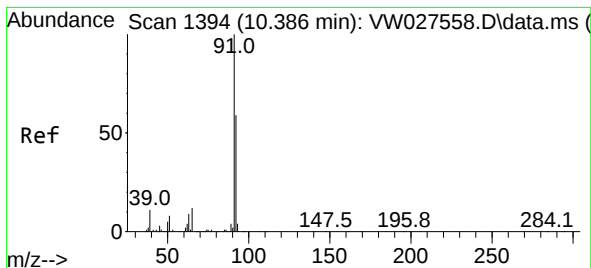
Ion Ratio Lower Upper

43 100

58 40.7 29.6 44.4

100 16.5 11.1 16.7





#42

Toluene

Concen: 1.118 ug/L

RT: 10.386 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

Instrument :

MSVOA_W

ClientSampleId :

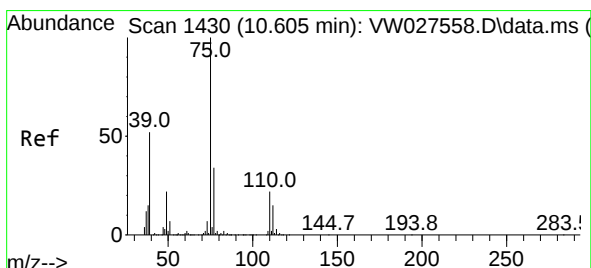
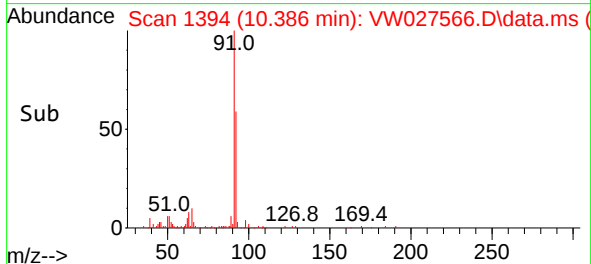
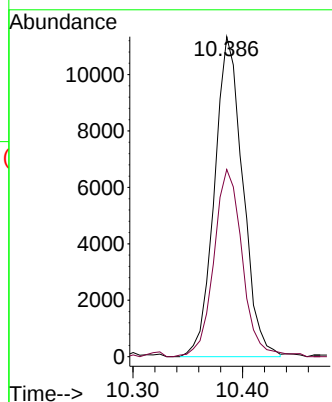
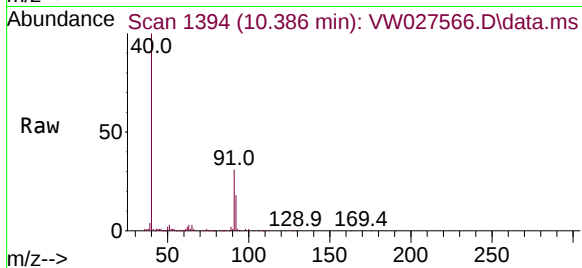
MDL-SOIL-QT4-2023-07

Tgt Ion: 91 Resp: 20386

Ion Ratio Lower Upper

91 100

92 58.5 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 1.518 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW027566.D

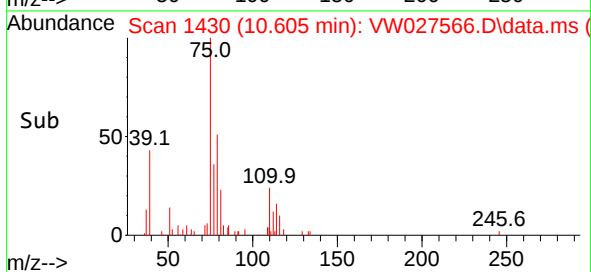
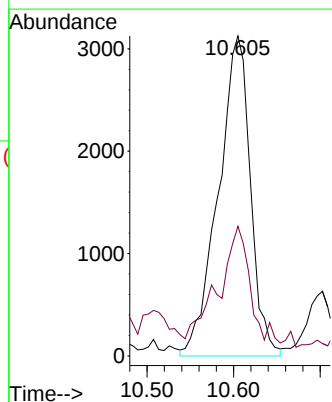
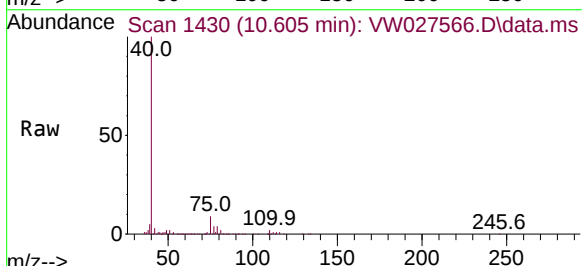
Acq: 06 Dec 2023 14:14

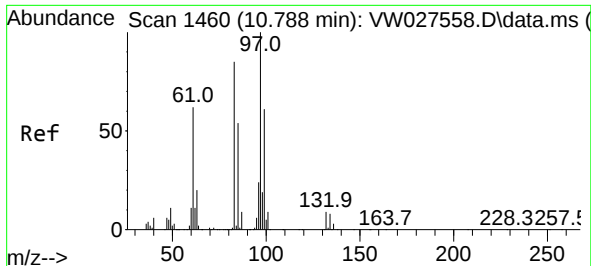
Tgt Ion: 75 Resp: 8050

Ion Ratio Lower Upper

75 100

77 40.5 23.7 44.1

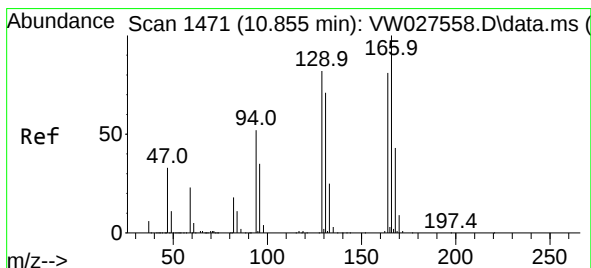
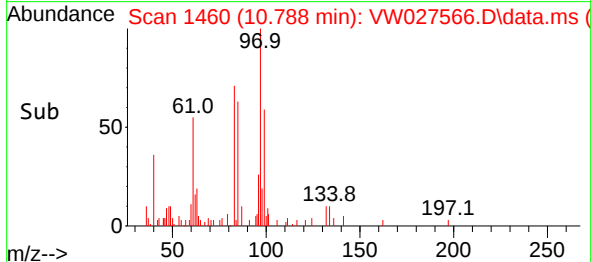
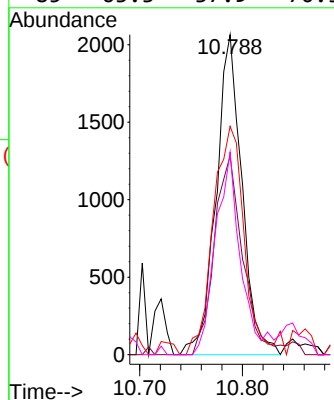
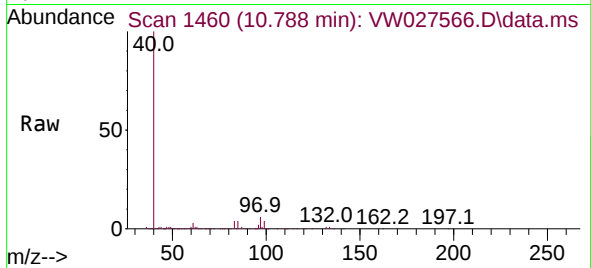




#45
1,1,2-Trichloroethane
Concen: 1.136 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

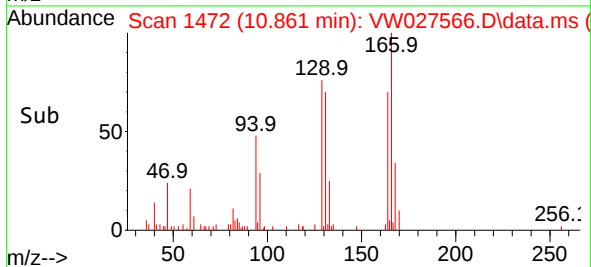
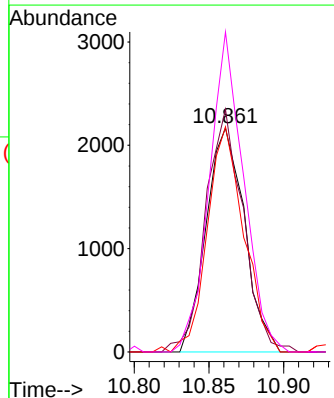
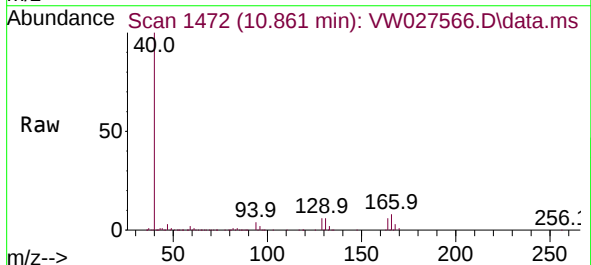
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

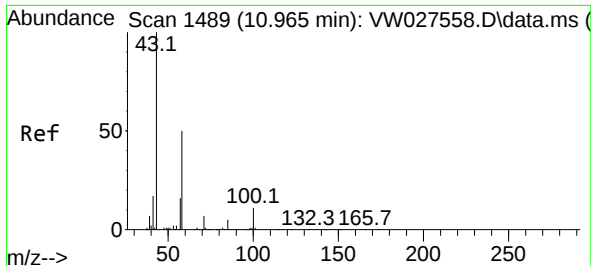
Tgt Ion: 97	Resp: 3600
Ion Ratio	Lower Upper
97 100	
99 62.1	42.8 79.4
83 71.3	59.9 111.3
85 63.3	37.9 70.5



#46
Tetrachloroethene
Concen: 1.152 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt	Ion:164	Resp:	3869
Ion	Ratio	Lower	Upper
164	100		
129	108.4	71.0	131.8
131	100.6	61.2	113.6
166	148.3	86.6	160.8

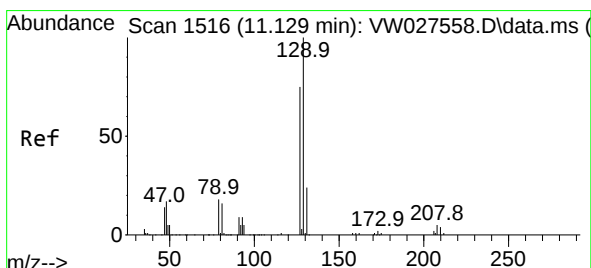
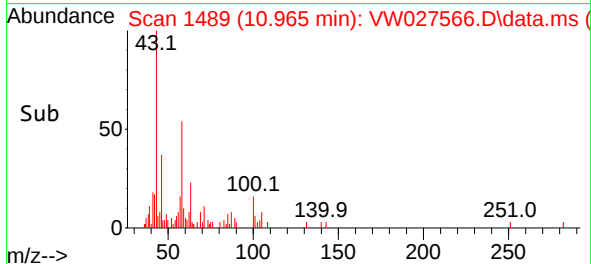
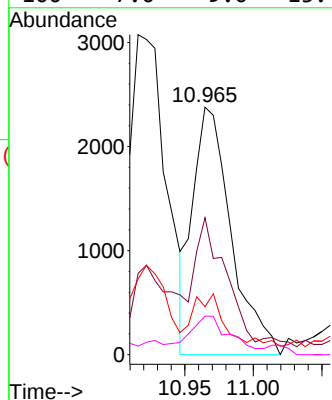
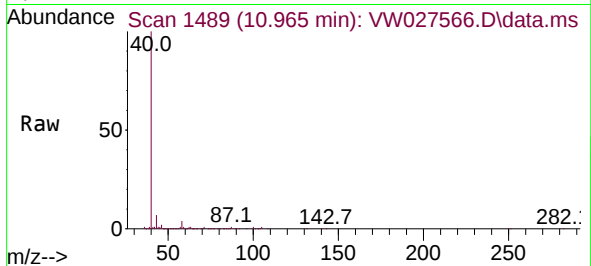




#48
2-Hexanone
Concen: 2.139 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

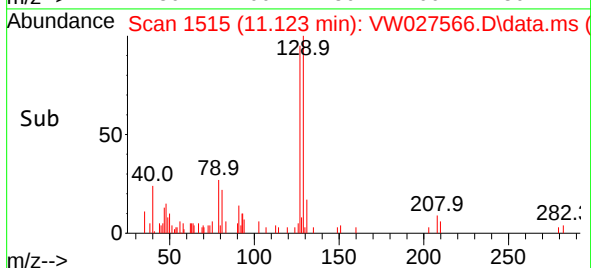
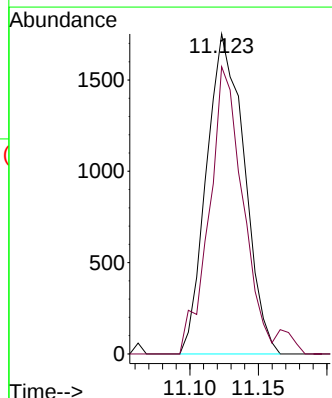
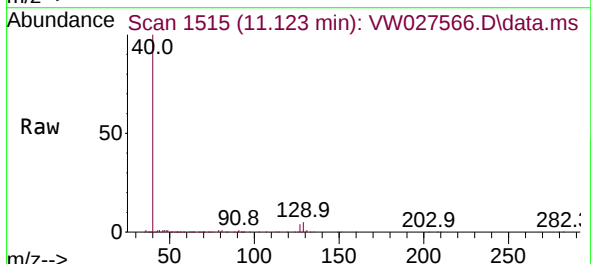
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

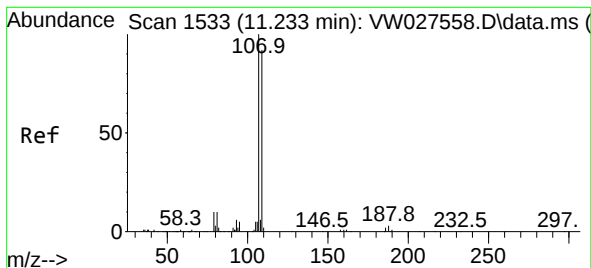
Tgt Ion: 43	Resp: 4639
Ion Ratio	Lower Upper
43 100	
58 42.1	40.8 61.2
57 17.8	14.8 22.2
100 7.0	9.0 13.4#



#49
Dibromochloromethane
Concen: 1.072 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion:129	Resp:	3360	
Ion	Ratio	Lower	Upper
129	100		
127	89.7	52.3	97.1





#50

1,2-Dibromoethane

Concen: 1.178 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW027566.D

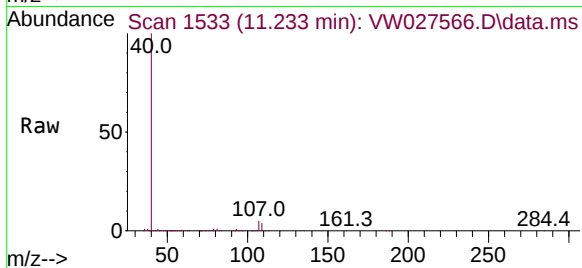
Acq: 06 Dec 2023 14:14

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



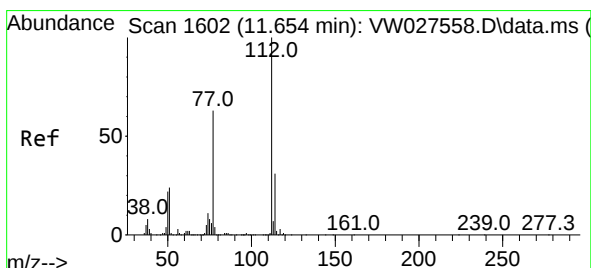
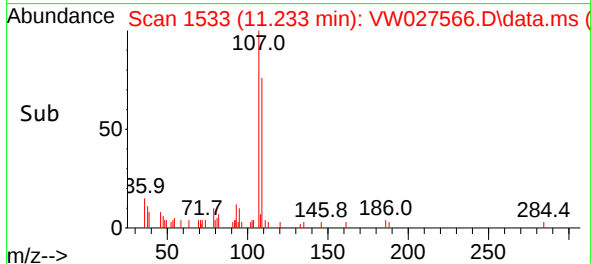
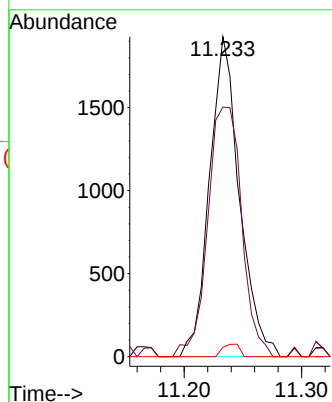
Tgt Ion:107 Resp: 3417

Ion Ratio Lower Upper

107 100

109 78.0 64.8 120.3

188 3.0 2.7 4.1



#51

Chlorobenzene

Concen: 1.150 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

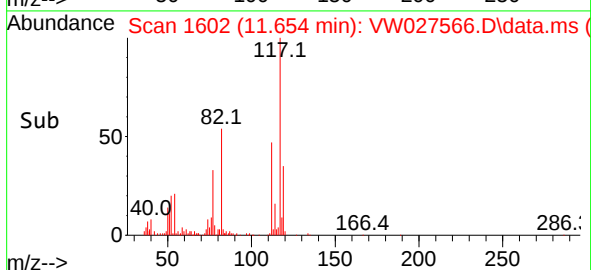
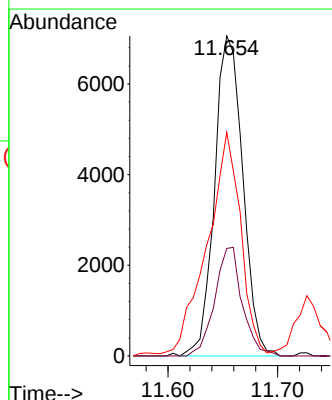
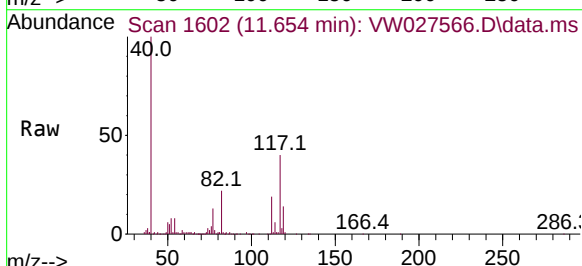
Tgt Ion:112 Resp: 12649

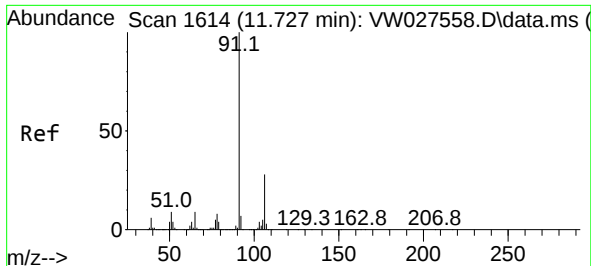
Ion Ratio Lower Upper

112 100

114 33.6 21.5 39.9

77 69.9 50.6 76.0

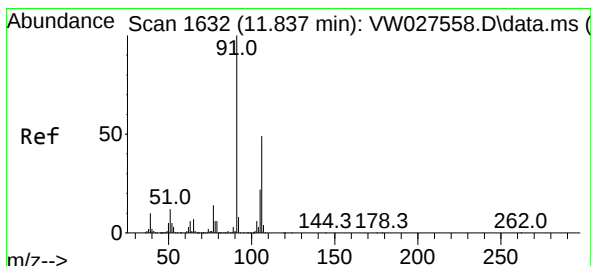
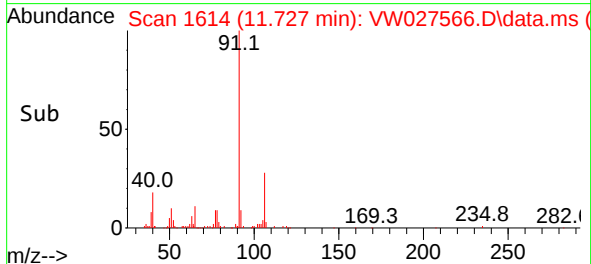
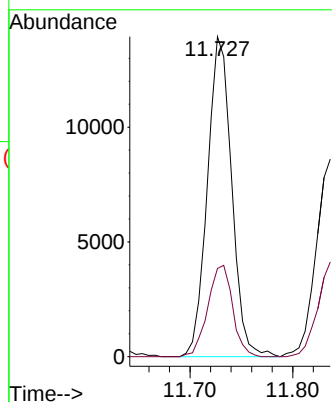
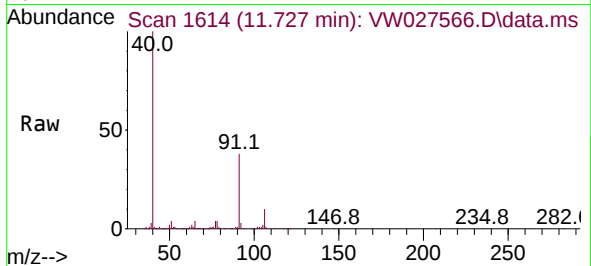




#52
Ethylbenzene
Concen: 1.104 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

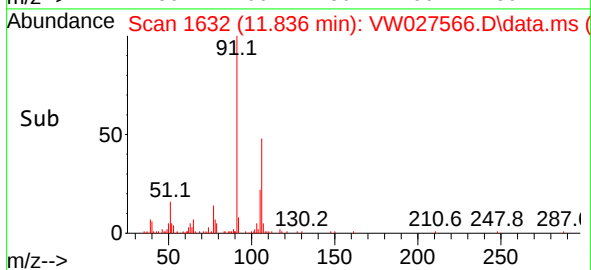
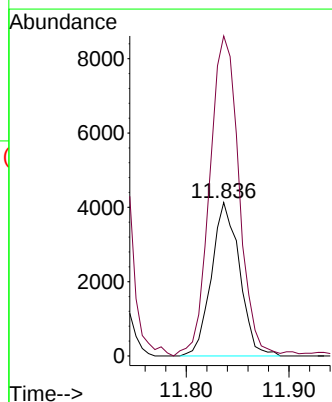
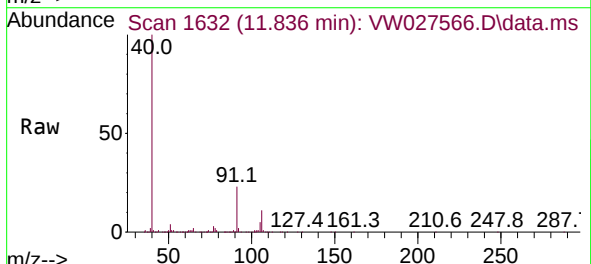
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

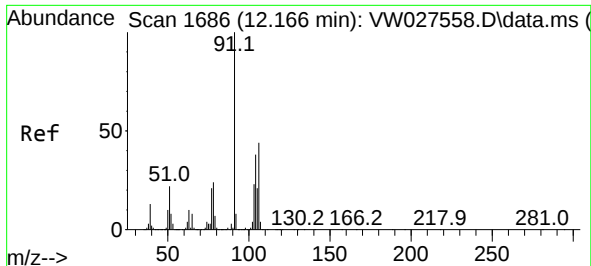
Tgt Ion: 91 Resp: 22872
Ion Ratio Lower Upper
91 100
106 27.5 19.5 36.1



#53
m,p-Xylene
Concen: 1.028 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion: 106 Resp: 7849
Ion Ratio Lower Upper
106 100
91 208.6 142.1 263.9

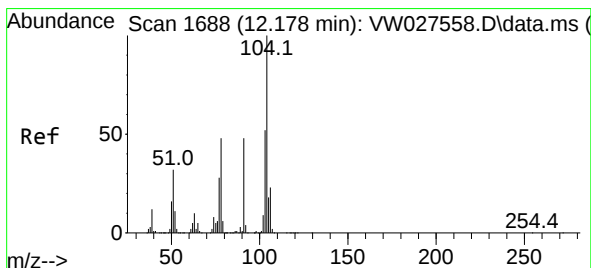
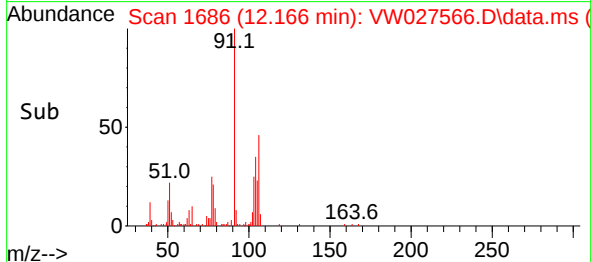
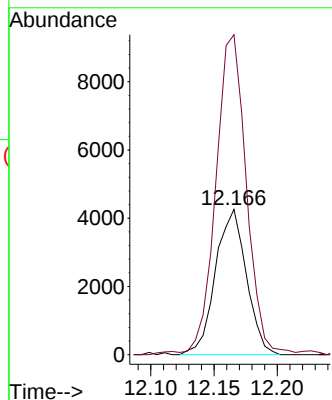
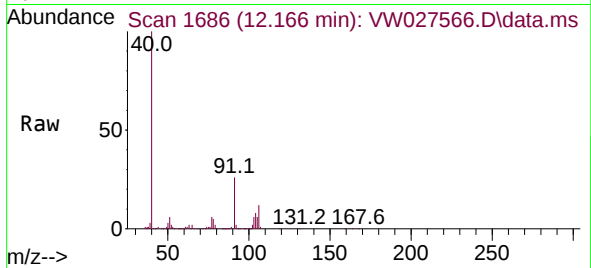




#54
o-Xylene
Concen: 1.046 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

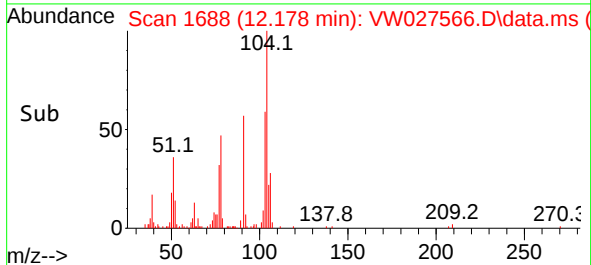
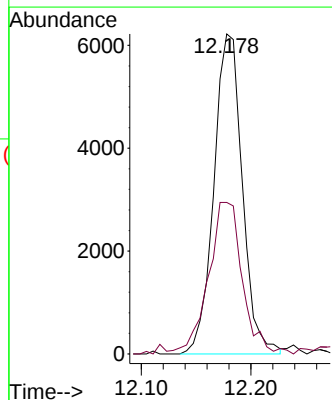
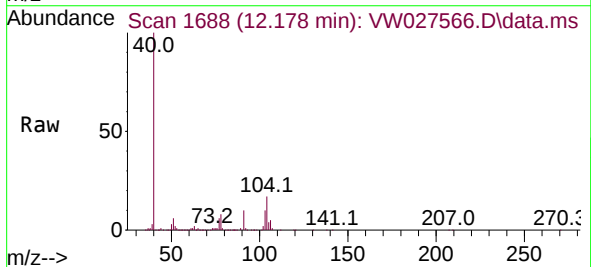
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

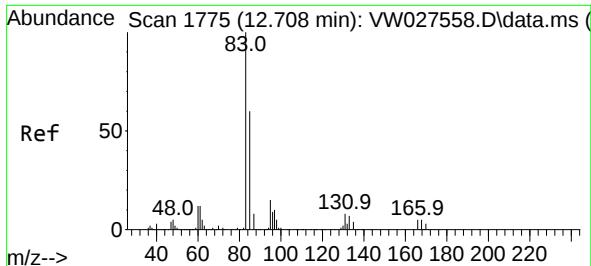
Tgt Ion:106 Resp: 7254
Ion Ratio Lower Upper
106 100
91 220.3 158.8 295.0



#55
Styrene
Concen: 0.949 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion:104 Resp: 11233
Ion Ratio Lower Upper
104 100
78 47.3 33.9 62.9





#57

1,1,2-Tetrachloroethane

Concen: 1.201 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

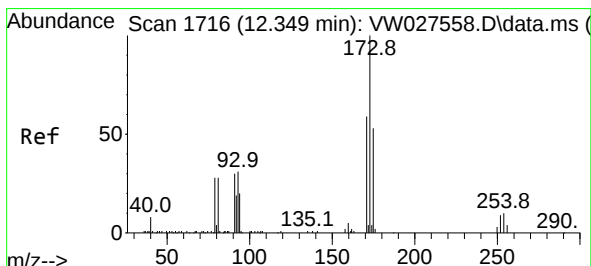
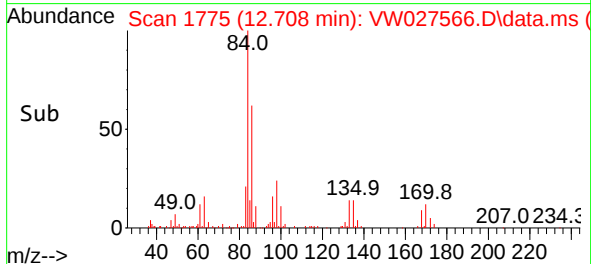
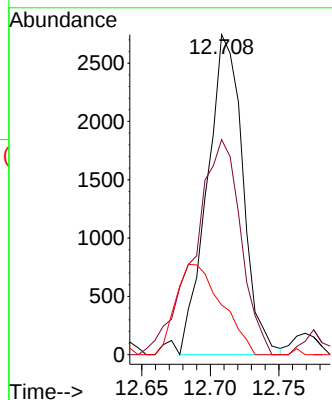
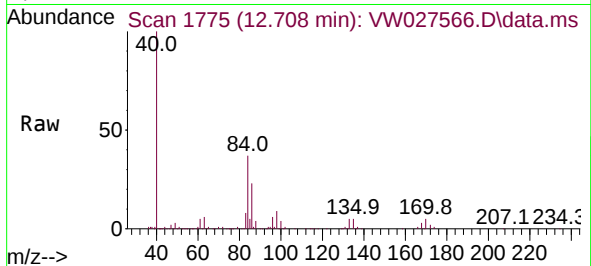
Tgt Ion: 83 Resp: 4959

Ion Ratio Lower Upper

83 100

85 67.2 41.9 77.7

131 15.5 7.0 10.6#



#59

Bromoform

Concen: 1.070 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

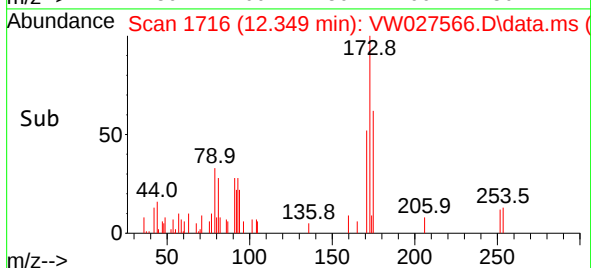
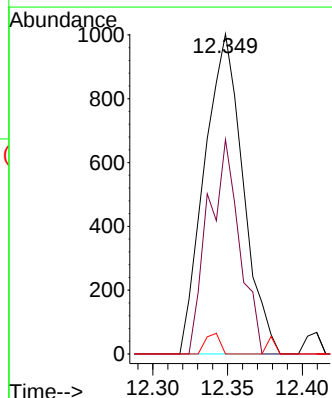
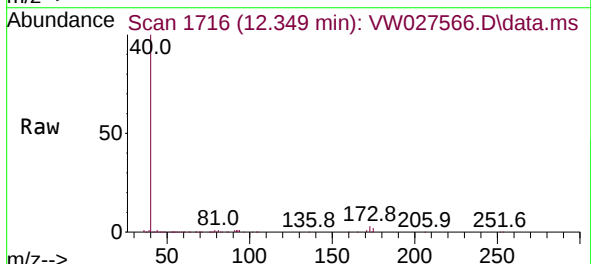
Tgt Ion: 173 Resp: 1799

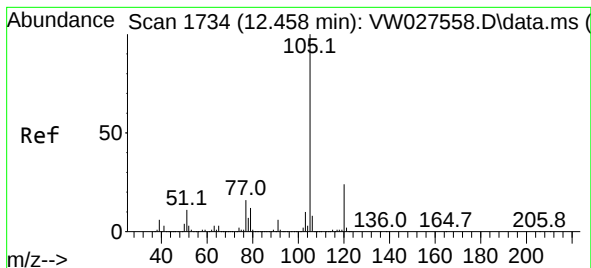
Ion Ratio Lower Upper

173 100

175 54.4 39.4 59.0

254 2.4 7.8 11.8#





#60

Isopropylbenzene

Concen: 1.047 ug/L

RT: 12.464 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

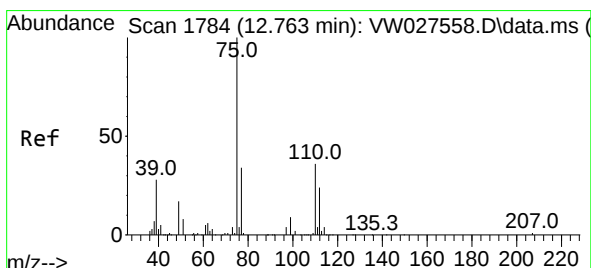
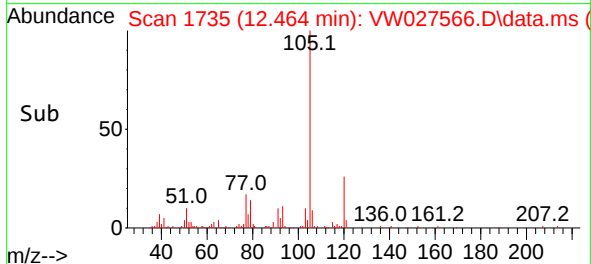
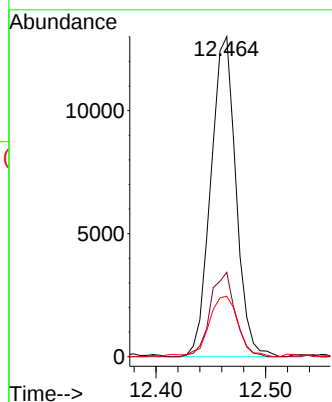
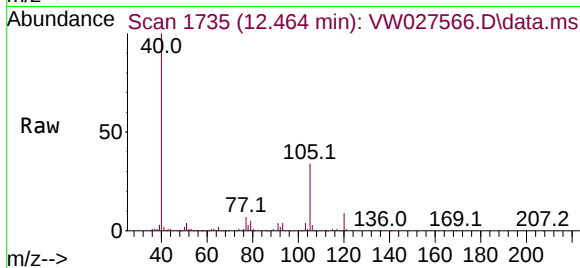
Tgt Ion:105 Resp: 20740

Ion Ratio Lower Upper

105 100

120 26.3 20.3 30.5

77 21.7 13.1 19.7#



#61

1,2,3-Trichloropropane

Concen: 1.163 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

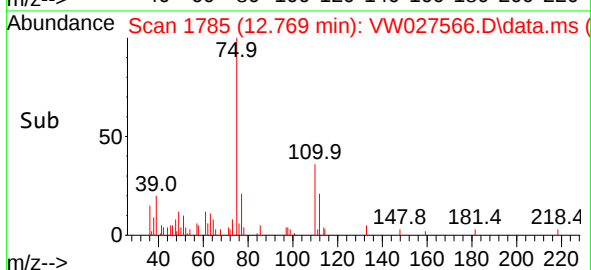
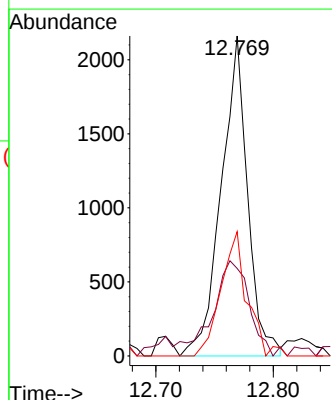
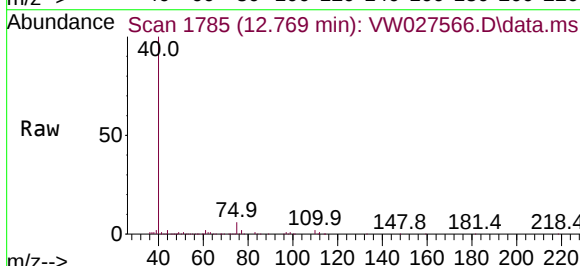
Tgt Ion: 75 Resp: 3367

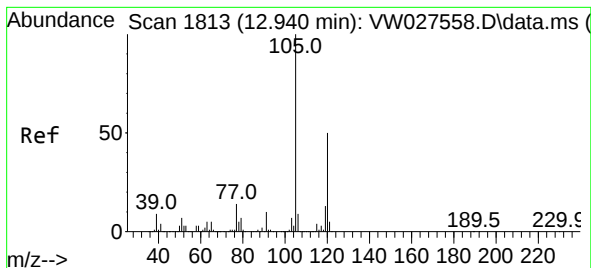
Ion Ratio Lower Upper

75 100

77 39.5 26.6 39.8

110 37.5 30.2 45.4





#62

1,3,5-Trimethylbenzene

Concen: 0.982 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

Instrument :

MSVOA_W

ClientSampleId :

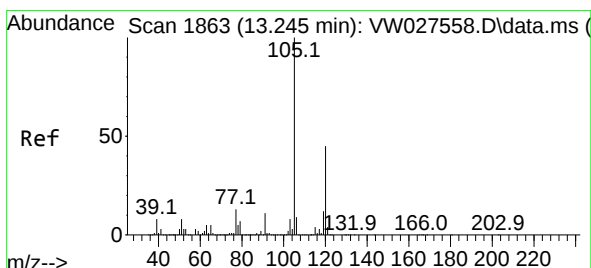
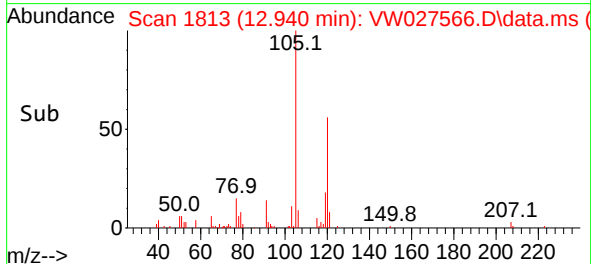
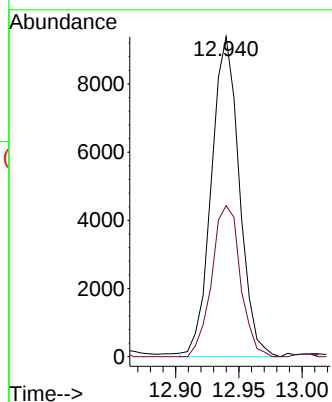
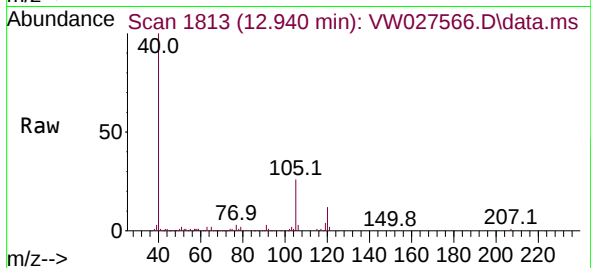
MDL-SOIL-QT4-2023-07

Tgt Ion:105 Resp: 14392

Ion Ratio Lower Upper

105 100

120 48.3 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 1.002 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW027566.D

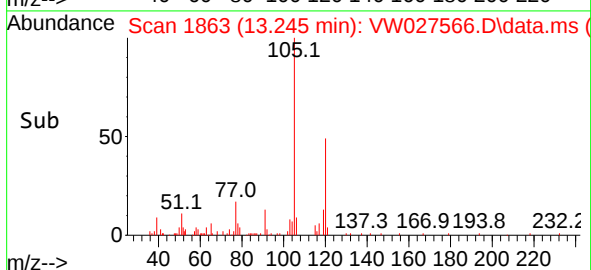
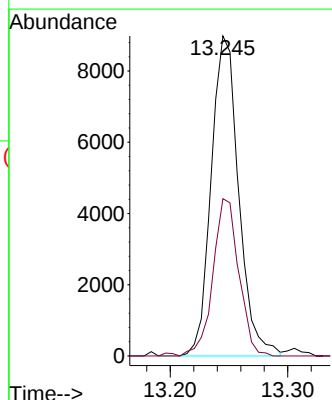
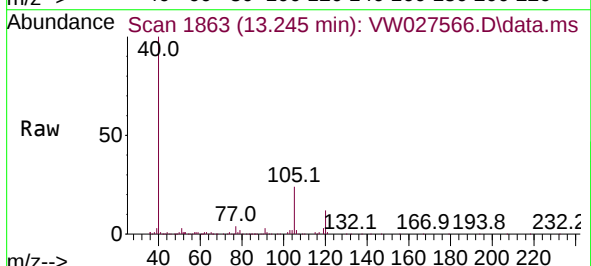
Acq: 06 Dec 2023 14:14

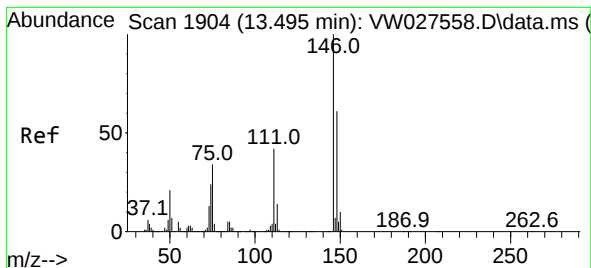
Tgt Ion:105 Resp: 14623

Ion Ratio Lower Upper

105 100

120 46.1 36.9 55.3





#64

1,3-Dichlorobenzene

Concen: 1.069 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

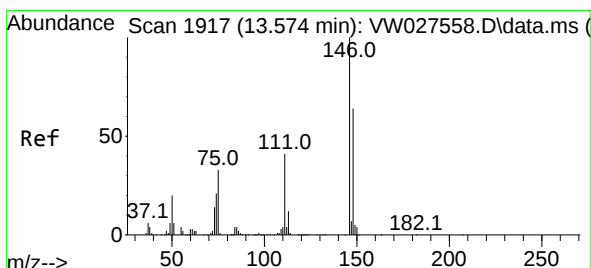
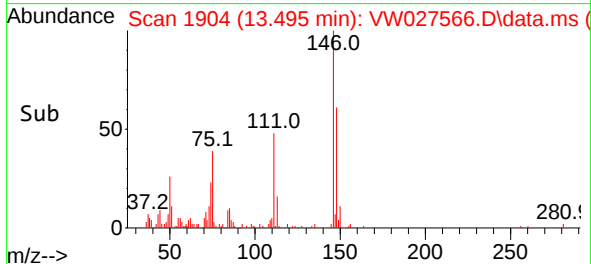
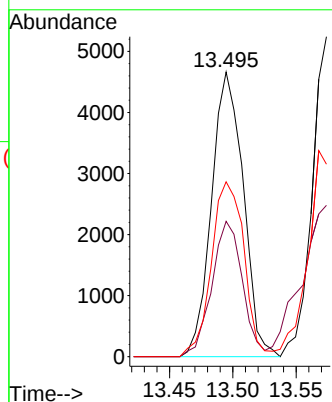
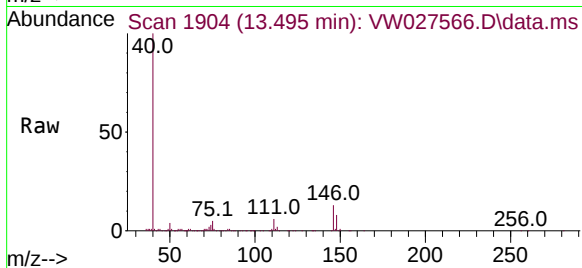
Tgt Ion:146 Resp: 8116

Ion Ratio Lower Upper

146 100

111 47.6 29.5 54.7

148 61.5 42.8 79.6



#65

1,4-Dichlorobenzene

Concen: 1.136 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

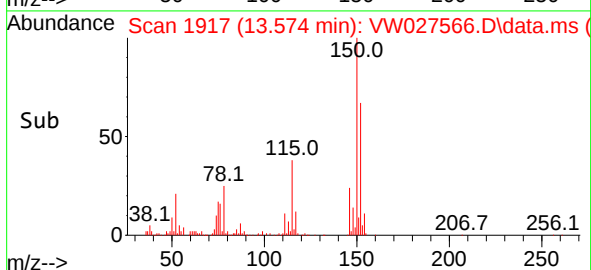
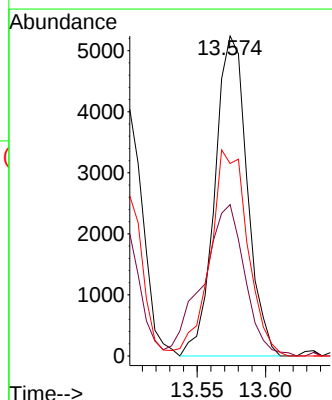
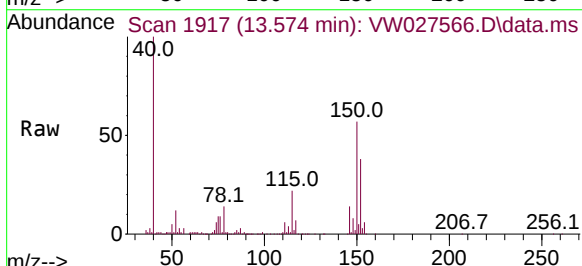
Tgt Ion:146 Resp: 8603

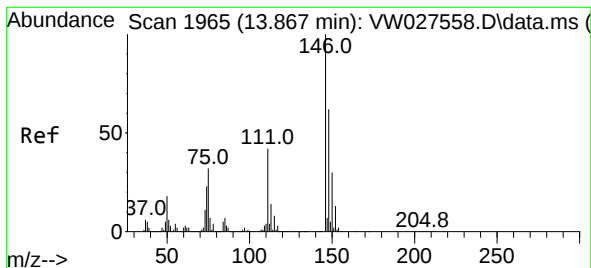
Ion Ratio Lower Upper

146 100

111 47.3 28.9 53.7

148 60.1 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 1.077 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

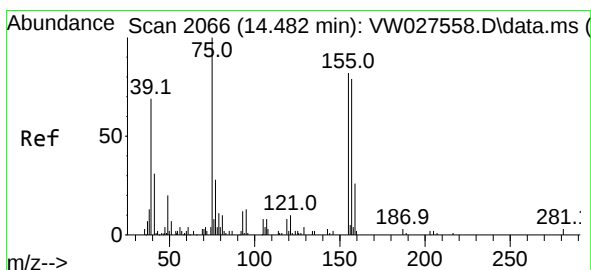
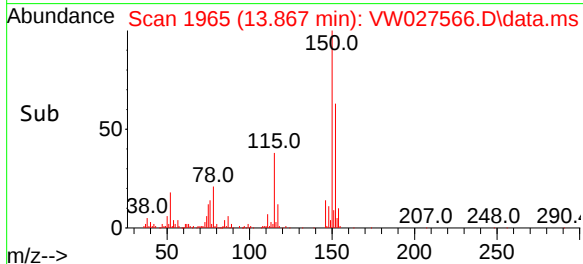
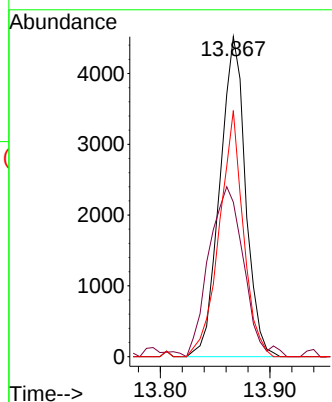
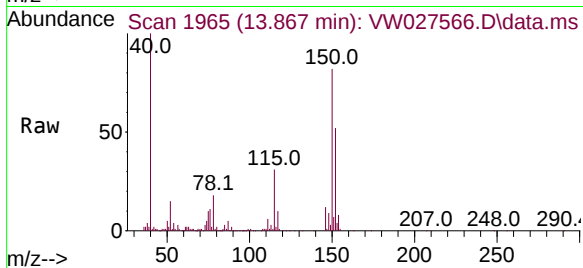
Tgt Ion:146 Resp: 7365

Ion Ratio Lower Upper

146 100

111 48.3 33.9 50.9

148 76.9 49.5 74.3#



#68

1,2-Dibromo-3-chloropropane

Concen: 1.945 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

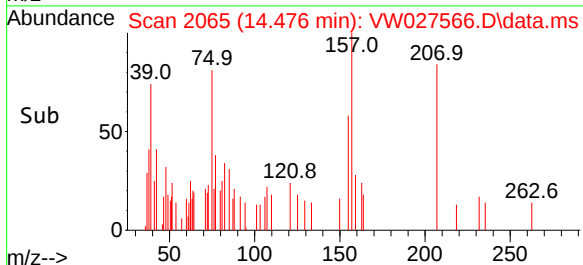
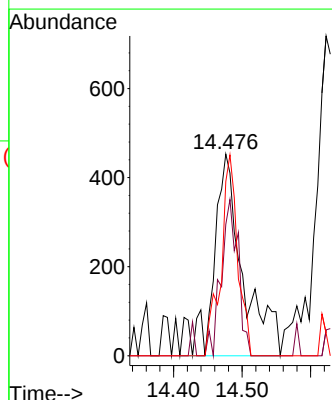
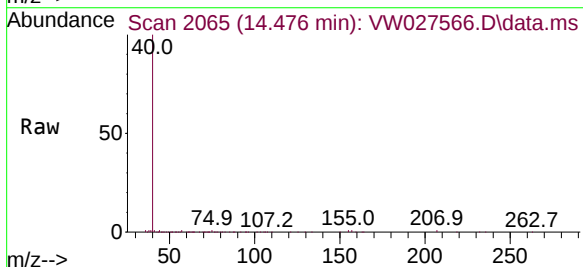
Tgt Ion: 75 Resp: 1354

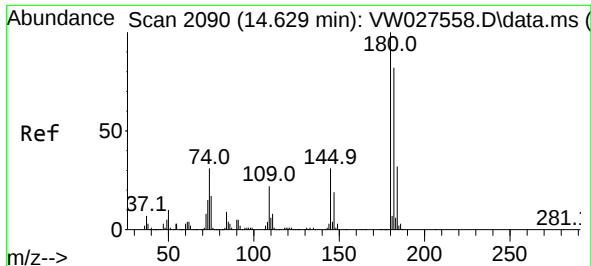
Ion Ratio Lower Upper

75 100

155 65.1 65.8 98.8#

157 86.3 63.0 94.6

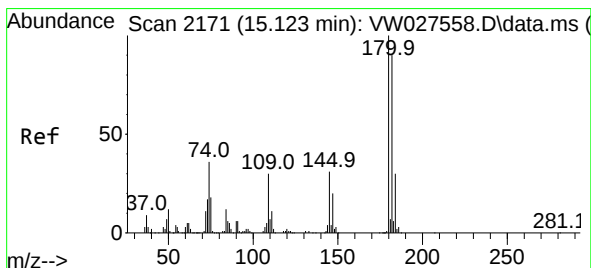
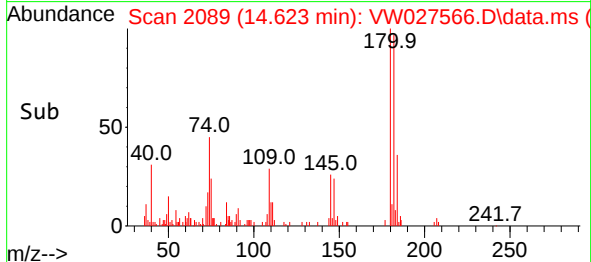
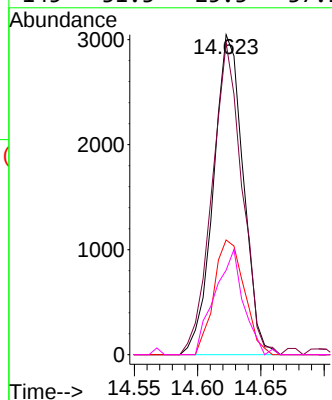
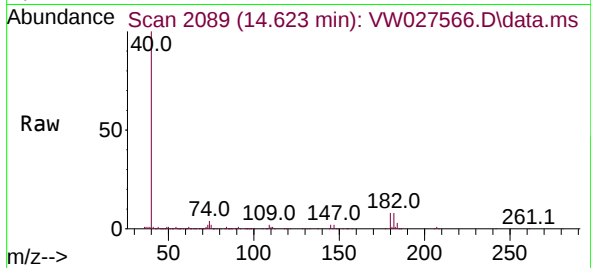




#69
1,3,5-Trichlorobenzene
Concen: 0.980 ug/L
RT: 14.623 min Scan# 2090
Delta R.T. -0.006 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

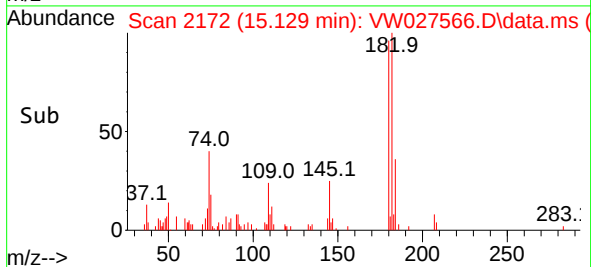
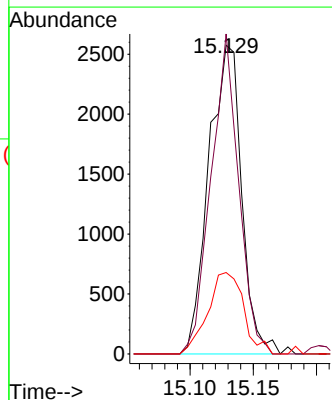
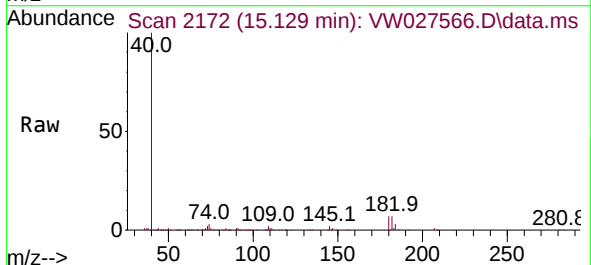
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

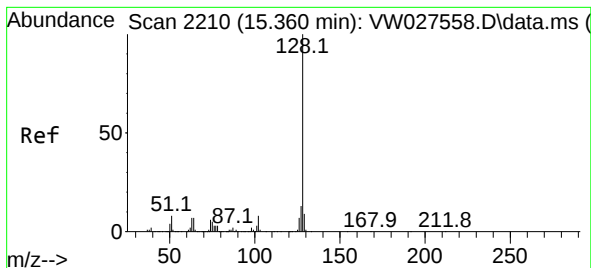
Tgt Ion:180	Resp:	5002
Ion Ratio	Lower	Upper
180	100	
182	98.2	73.2 109.8
184	36.4	25.4 38.2
145	31.3	25.3 37.9



#70
1,2,4-trichlorobenzene
Concen: 1.171 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VW027566.D
Acq: 06 Dec 2023 14:14

Tgt Ion:180	Resp:	4640
Ion Ratio	Lower	Upper
180	100	
182	87.4	78.7 118.1
145	28.0	26.8 40.2





#71

Naphthalene

Concen: 1.056 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

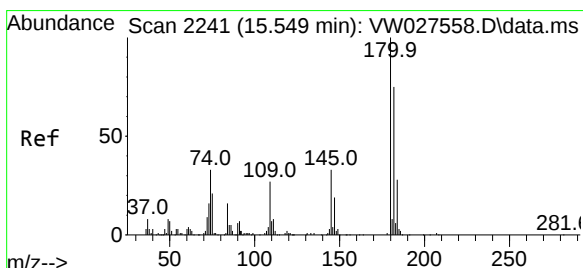
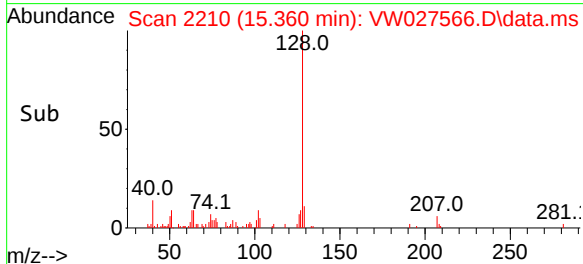
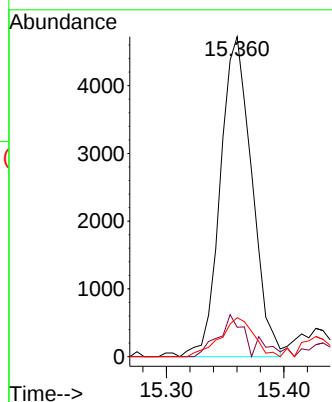
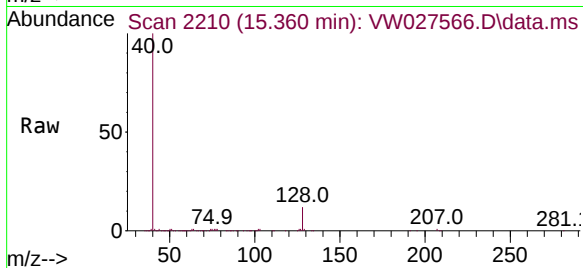
Tgt Ion:128 Resp: 8800

Ion Ratio Lower Upper

128 100

127 9.8 10.3 15.5#

129 12.9 8.6 12.8#



#72

1,2,3-Trichlorobenzene

Concen: 1.111 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW027566.D

Acq: 06 Dec 2023 14:14

Tgt Ion:180 Resp: 3771

Ion Ratio Lower Upper

180 100

182 85.8 72.4 108.6

145 36.1 27.4 41.0

