

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111424\
 Data File : VD080008.D
 Acq On : 14 Nov 2024 12:37
 Operator : RP/MD
 Sample : P4776-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2024-08

Quant Time: Nov 15 03:45:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM111224SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Nov 15 03:41:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	229618	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	217835	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	93514	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	52793	15.425	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	61.680%		
7) Chloroethane-d5	2.805	69	52801	18.621	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	74.480%		
11) 1,1-Dichloroethene-d2	3.922	65	28954	20.636	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	82.560%		
21) 2-Butanone-d5	6.987	46	32659	45.319	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	90.640%		
24) Chloroform-d	7.569	84	156434	23.988	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	95.960%		
26) 1,2-Dichloroethane-d4	8.228	65	83246m	23.541	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	94.160%		
32) Benzene-d6	8.204	84	296017	23.629	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	94.520%		
36) 1,2-Dichloropropane-d6	9.210	67	101247	25.053	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	100.200%		
41) Toluene-d8	10.269	98	272132	23.865	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	95.440%		
43) trans-1,3-Dichloroprop...	10.522	79	39993	24.589	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	98.360%		
47) 2-Hexanone-d5	10.875	63	27538	46.280	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	92.560%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	79892	24.680	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	98.720%		
66) 1,2-Dichlorobenzene-d4	13.816	152	89873	27.733	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	110.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4246	1.216	ug/L	90
3) Chloromethane	2.146	50	2737	0.958	ug/L	86
5) Vinyl chloride	2.287	62	3401	0.949	ug/L #	67
6) Bromomethane	2.705	94	2957	1.167	ug/L	89
8) Chloroethane	2.846	64	2405	1.053	ug/L #	82
9) Trichlorofluoromethane	3.181	101	6909	1.152	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	4721m	1.302	ug/L	
12) 1,1-Dichloroethene	3.940	96	4315m	1.403	ug/L	
13) Acetone	4.028	43	2064m	2.415	ug/L	
14) Carbon disulfide	4.275	76	10675	1.039	ug/L #	93
15) Methyl Acetate	4.569	43	1700m	1.268	ug/L	
16) Methylene chloride	4.793	84	7502	1.969	ug/L	87
17) trans-1,2-Dichloroethene	5.316	96	3447	1.018	ug/L	95
18) Methyl tert-butyl Ether	5.322	73	6556	0.995	ug/L #	69
19) 1,1-Dichloroethane	6.105	63	7549	1.193	ug/L	90
20) cis-1,2-Dichloroethene	7.087	96	4098m	1.109	ug/L	
22) 2-Butanone	7.081	43	3336m	3.288	ug/L	
23) Bromochloromethane	7.428	128	2248	1.225	ug/L #	71
25) Chloroform	7.593	83	18943	2.589	ug/L	96

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 Quant Title : SFAM01.0
 QLast Update : Fri Nov 15 03:41:03 2024
 Response via : Initial Calibration

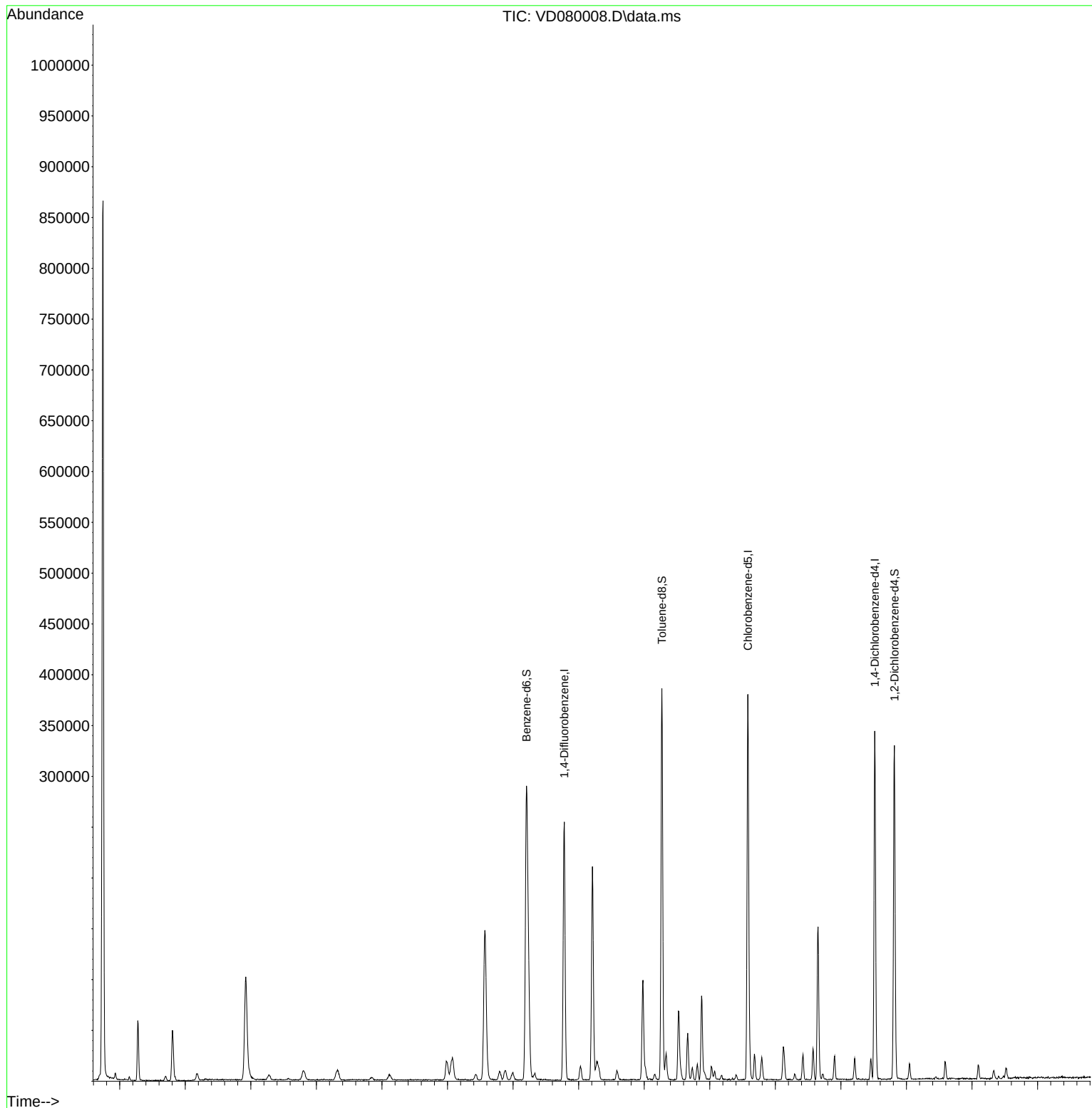
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.334	62	4914	1.150	ug/L #	86
29) Cyclohexane	7.875	56	4707m	1.000	ug/L	
30) 1,1,1-Trichloroethane	7.799	97	6726	1.207	ug/L #	91
31) Carbon tetrachloride	7.999	117	5864	1.198	ug/L	97
33) Benzene	8.246	78	17294	1.270	ug/L	100
34) Trichloroethene	9.034	95	4449	1.219	ug/L	94
35) Methylcyclohexane	9.275	83	5497	1.030	ug/L #	76
38) Bromodichloromethane	9.581	83	6113	1.261	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	6058	1.103	ug/L	86
40) 4-Methyl-2-pentanone	10.163	43	3536	1.969	ug/L #	84
42) Toluene	10.334	91	19005	1.278	ug/L	95
44) trans-1,3-Dichloropropene	10.551	75	6220	1.315	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	3609	1.246	ug/L	86
46) Tetrachloroethene	10.810	164	3501	1.127	ug/L	89
48) 2-Hexanone	10.922	43	3837	2.650	ug/L #	77
49) Dibromochloromethane	11.075	129	4144	1.215	ug/L	92
50) 1,2-Dibromoethane	11.181	107	3231	1.222	ug/L #	76
51) Chlorobenzene	11.610	112	11158	1.145	ug/L	98
52) Ethylbenzene	11.681	91	16514	1.029	ug/L	88
53) m,p-Xylene	11.793	106	6860	1.140	ug/L	86
54) o-Xylene	12.122	106	5630	0.982	ug/L	78
55) Styrene	12.134	104	9905	0.960	ug/L	85
57) 1,1,2,2-Tetrachloroethane	12.669	83	4242	1.261	ug/L #	95
59) Bromoform	12.293	173	2585	1.498	ug/L #	83
60) Isopropylbenzene	12.422	105	15439	1.208	ug/L	98
61) 1,2,3-Trichloropropane	12.722	75	2780	1.525	ug/L #	81
62) 1,3,5-Trimethylbenzene	12.904	105	12061	1.201	ug/L	96
63) 1,2,4-Trimethylbenzene	13.210	105	11446	1.145	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	7602	1.212	ug/L	85
65) 1,4-Dichlorobenzene	13.540	146	8950	1.362	ug/L	95
67) 1,2-Dichlorobenzene	13.828	146	8411	1.451	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.439	75	536m	1.349	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	5560	1.312	ug/L	97
70) 1,2,4-trichlorobenzene	15.092	180	4810	1.347	ug/L	90
71) Naphthalene	15.334	128	8095	1.327	ug/L	96
72) 1,2,3-Trichlorobenzene	15.528	180	4185	1.327	ug/L	97

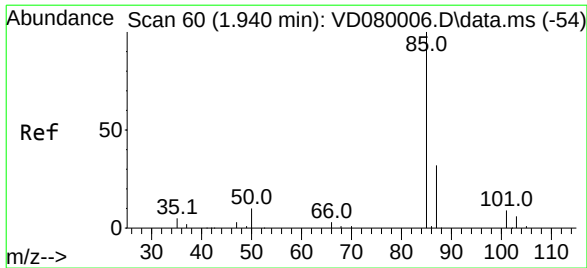
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Quant Title : SFAM01.0
QLast Update : Fri Nov 15 03:41:03 2024
Response via : Initial Calibration

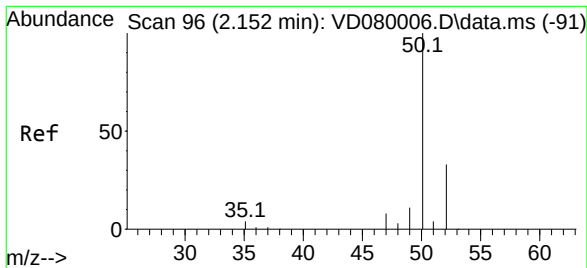
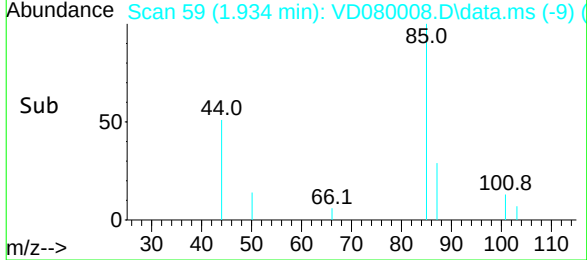
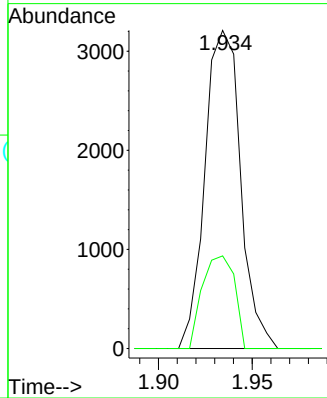
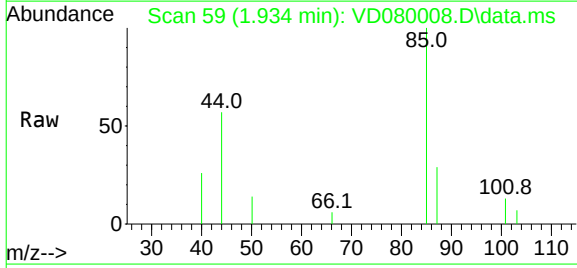




#2
 Dichlorodifluoromethane
 Concen: 1.216 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.006 min
 Lab File: VD080008.D
 Acq: 14 Nov 2024 12:37

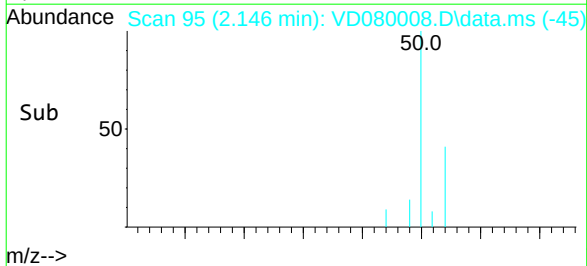
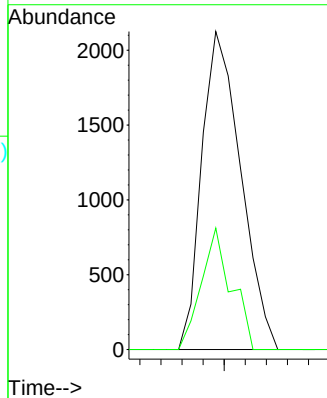
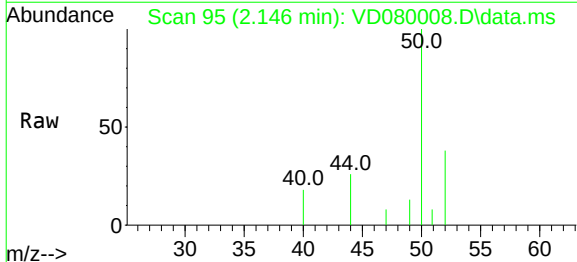
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-QT4-2024-08

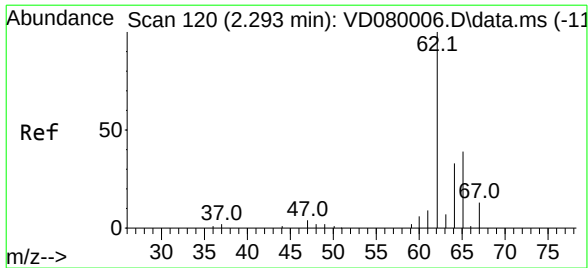
Tgt Ion: 85 Resp: 4246
 Ion Ratio Lower Upper
 85 100
 87 26.3 25.4 38.2



#3
 Chloromethane
 Concen: 0.958 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. -0.006 min
 Lab File: VD080008.D
 Acq: 14 Nov 2024 12:37

Tgt Ion: 50 Resp: 2737
 Ion Ratio Lower Upper
 50 100
 52 38.2 21.6 40.0





Vinyl chloride

Concen: 0.949 ug/L

RT: 2.287 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

Instrument :

MSVOA_D

ClientSampleId :

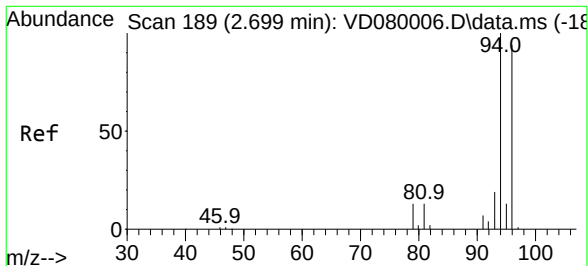
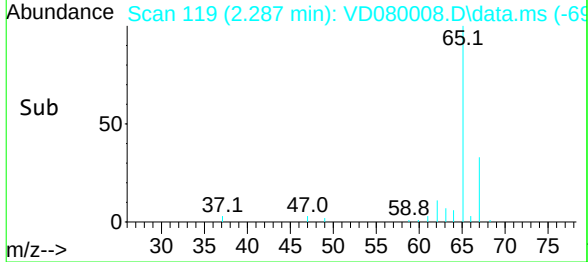
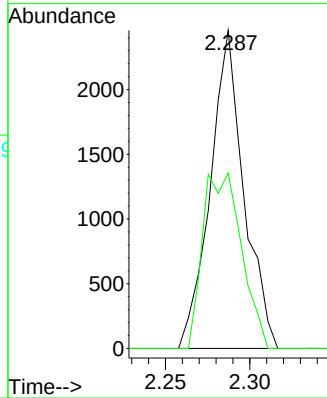
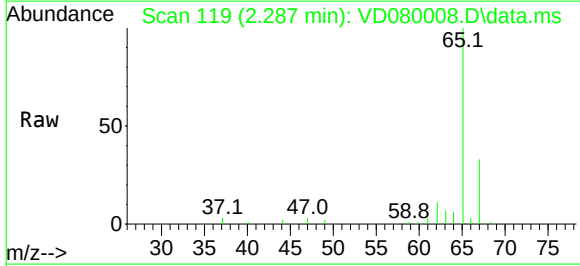
MDL-SOIL-QT4-2024-08

Tgt Ion: 62 Resp: 3401

Ion Ratio Lower Upper

62 100

64 55.2 25.1 46.7#



Bromomethane

Concen: 1.167 ug/L

RT: 2.705 min Scan# 190

Delta R.T. 0.006 min

Lab File: VD080008.D

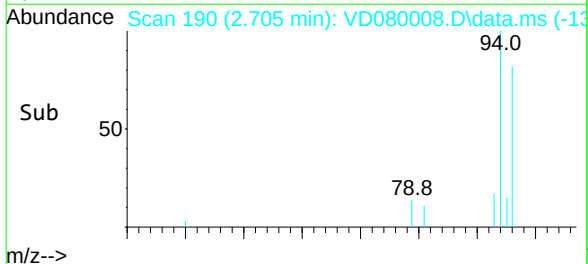
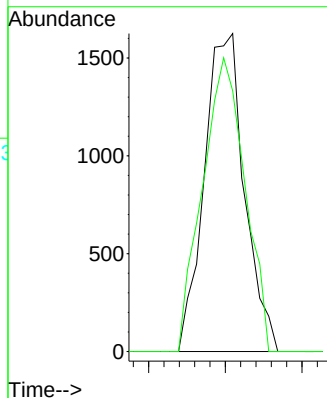
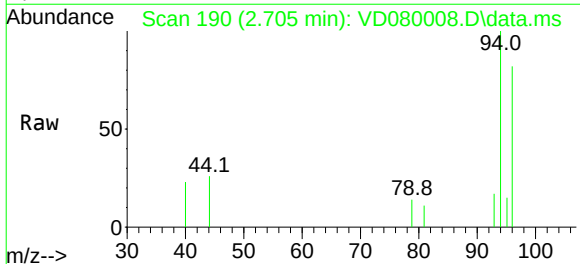
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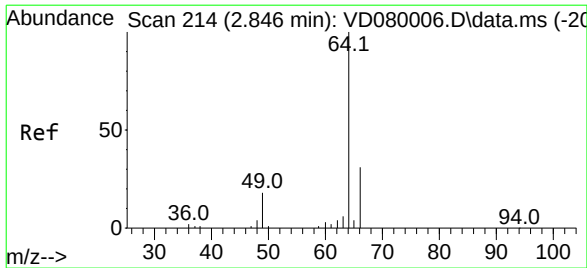
Tgt Ion: 94 Resp: 2957

Ion Ratio Lower Upper

94 100

96 82.0 64.5 119.7

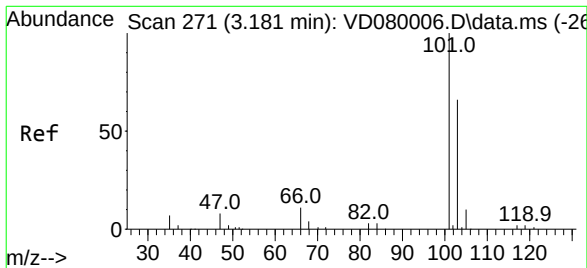
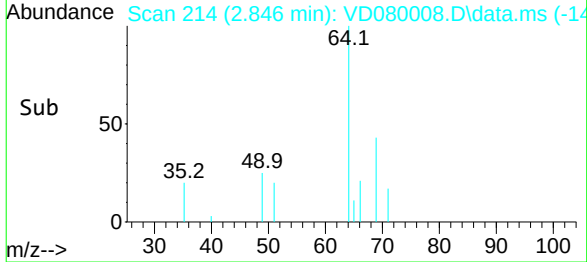
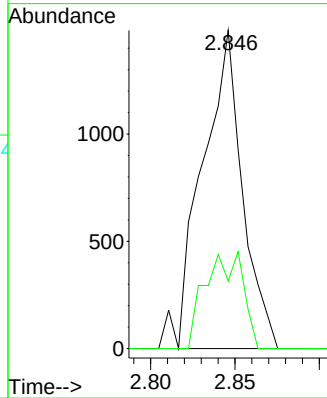
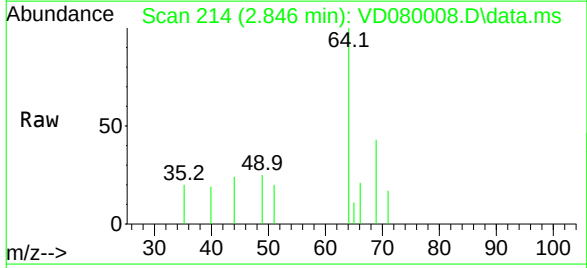




#8
Chloroethane
Concen: 1.053 ug/L
RT: 2.846 min Scan# 214
Delta R.T. 0.000 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

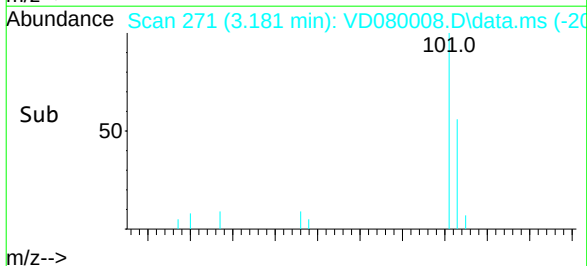
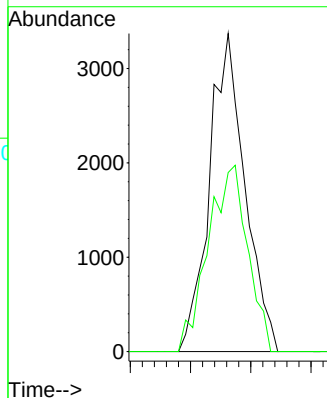
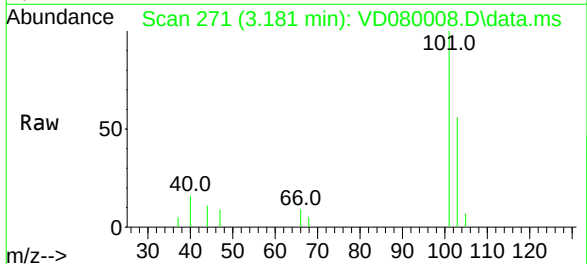
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

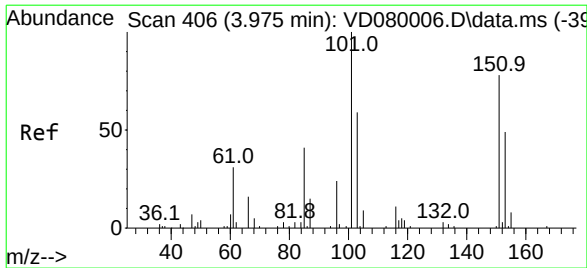
Tgt Ion: 64 Resp: 2405
Ion Ratio Lower Upper
64 100
66 21.2 21.7 40.3#



#9
Trichlorofluoromethane
Concen: 1.152 ug/L
RT: 3.181 min Scan# 271
Delta R.T. 0.000 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

Tgt Ion:101 Resp: 6909
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.8

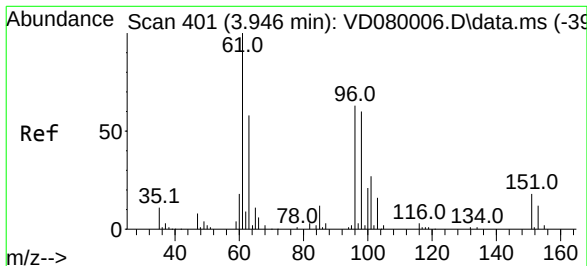
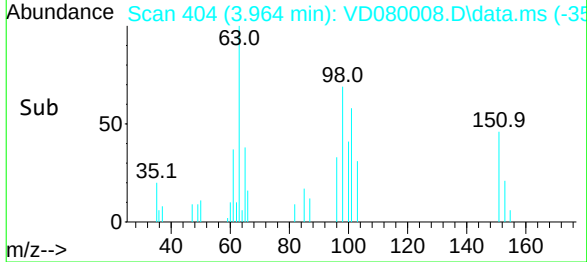
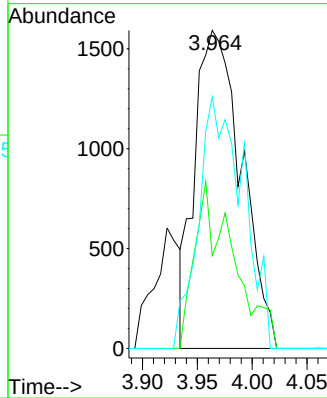
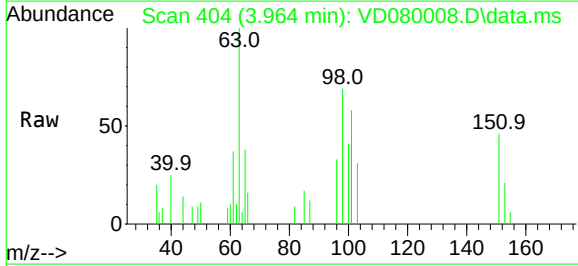




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.302 ug/L m
 RT: 3.964 min Scan# 406
 Delta R.T. -0.012 min
 Lab File: VD080008.D
 Acq: 14 Nov 2024 12:37

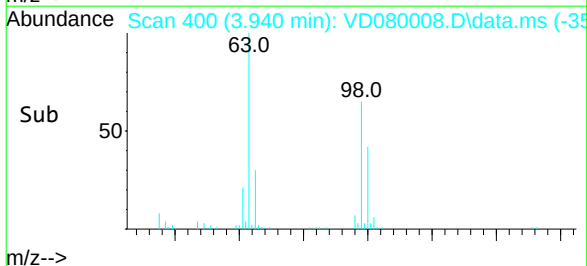
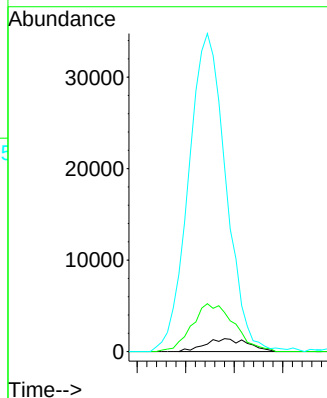
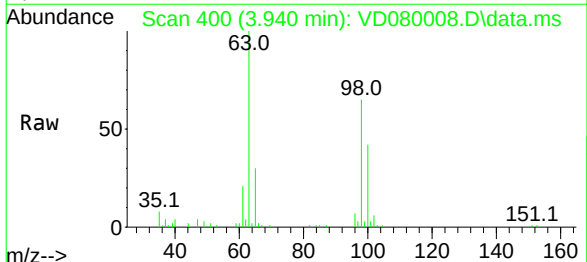
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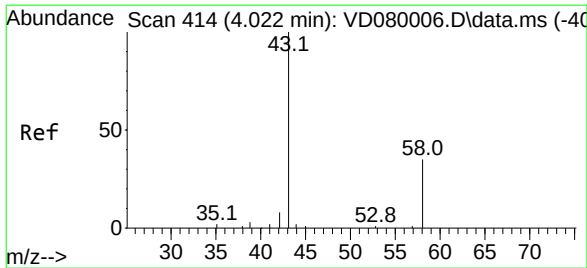
Tgt Ion:	101	Resp:	4721
Ion	Ratio	Lower	Upper
101	100		
85	19.6	34.9	52.3#
151	37.0	60.7	91.1#



#12
 1,1-Dichloroethene
 Concen: 1.403 ug/L m
 RT: 3.940 min Scan# 400
 Delta R.T. -0.006 min
 Lab File: VD080008.D
 Acq: 14 Nov 2024 12:37

Tgt Ion:	96	Resp:	4315
Ion	Ratio	Lower	Upper
96	100		
61	302.3	111.2	206.6#
63	1432.0	78.9	146.5#





#13

Acetone

Concen: 2.415 ug/L m

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

Instrument :

MSVOA_D

ClientSampleId :

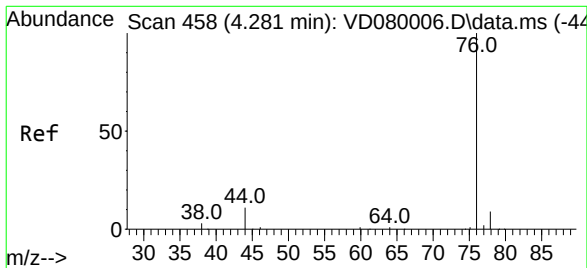
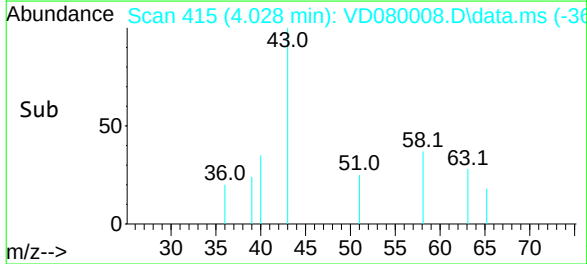
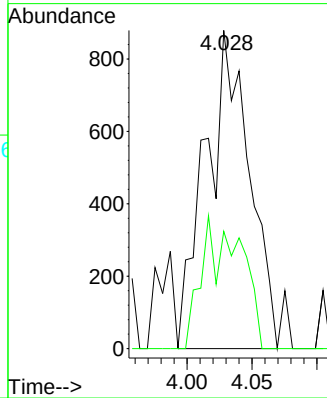
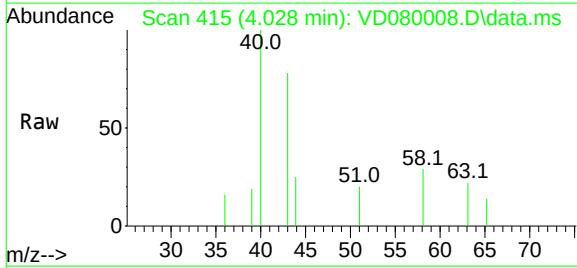
MDL-SOIL-QT4-2024-08

Tgt Ion: 43 Resp: 2064

Ion Ratio Lower Upper

43 100

58 14.9 0.0 71.8



#14

Carbon disulfide

Concen: 1.039 ug/L

RT: 4.275 min Scan# 457

Delta R.T. -0.006 min

Lab File: VD080008.D

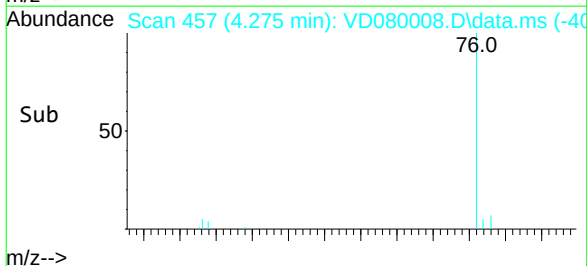
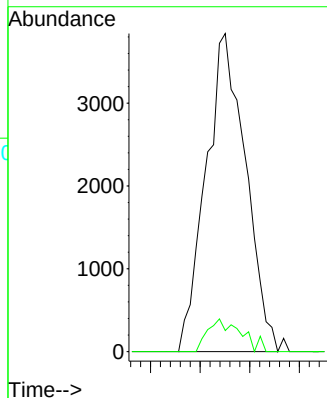
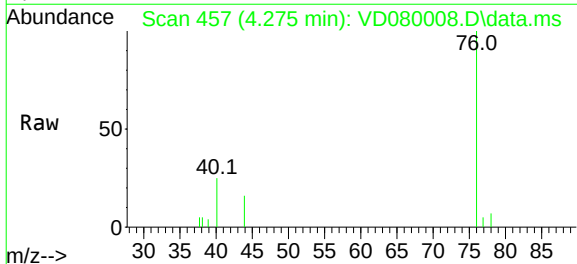
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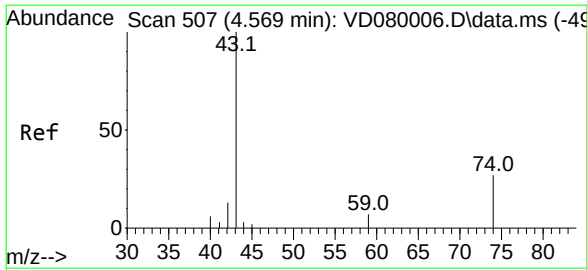
Tgt Ion: 76 Resp: 10675

Ion Ratio Lower Upper

76 100

78 6.6 7.4 11.2#

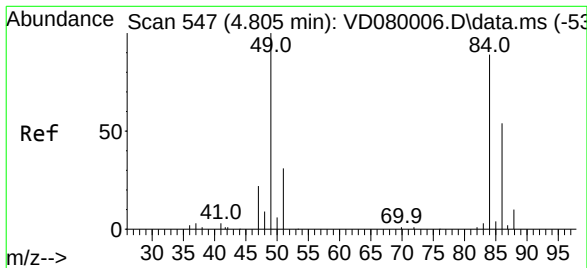
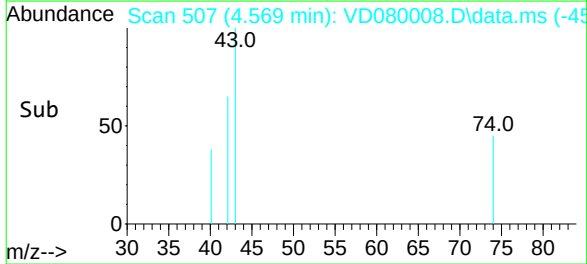
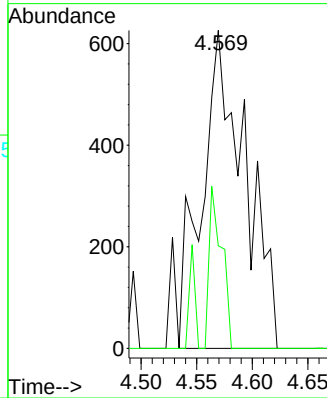
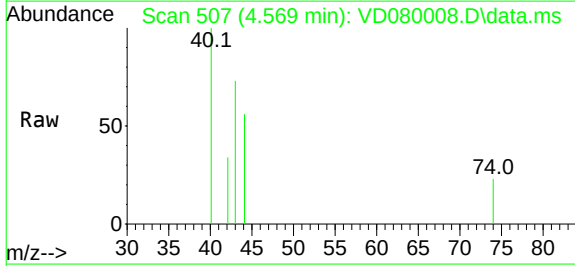




#15
Methyl Acetate
Concen: 1.268 ug/L m
RT: 4.569 min Scan# 507
Delta R.T. 0.000 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

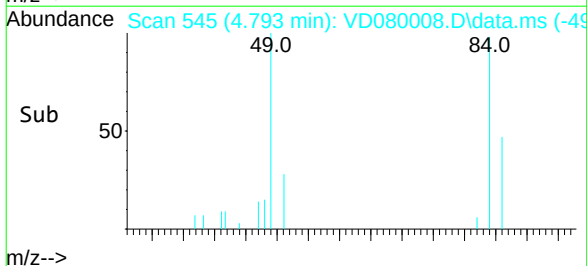
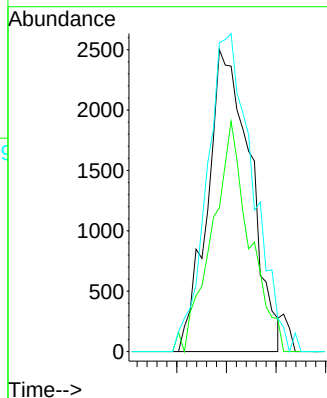
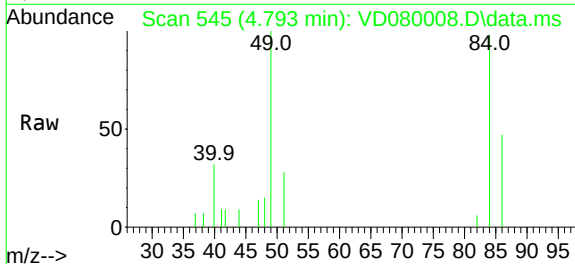
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

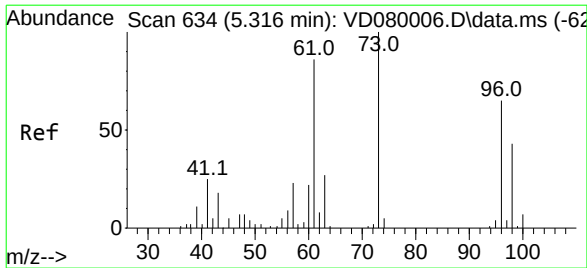
Tgt Ion: 43 Resp: 1700
Ion Ratio Lower Upper
43 100
74 14.9 0.2 0.2#



#16
Methylene chloride
Concen: 1.969 ug/L
RT: 4.793 min Scan# 545
Delta R.T. -0.012 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

Tgt Ion: 84 Resp: 7502
Ion Ratio Lower Upper
84 100
86 47.7 45.4 84.4
49 102.3 77.3 143.7

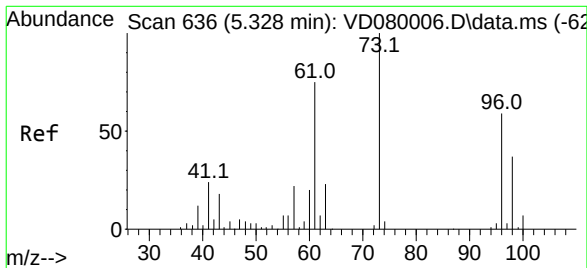
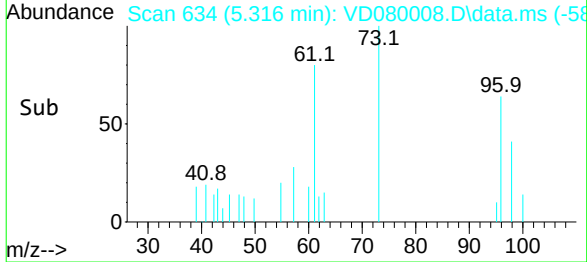
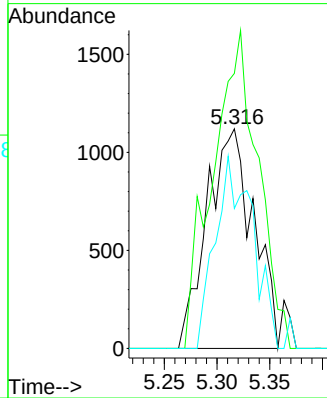
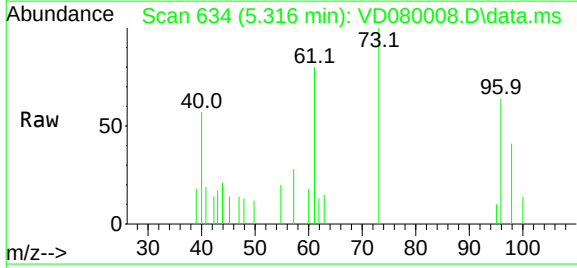




#17
trans-1,2-Dichloroethene
Concen: 1.018 ug/L
RT: 5.316 min Scan# 634
Delta R.T. 0.000 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

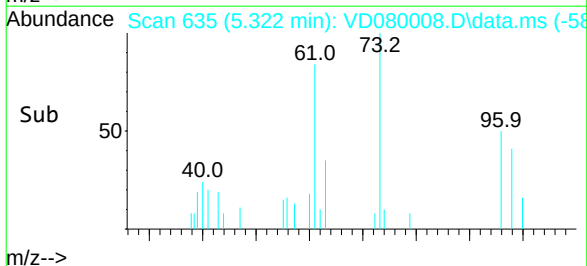
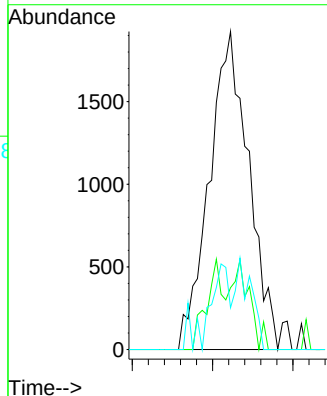
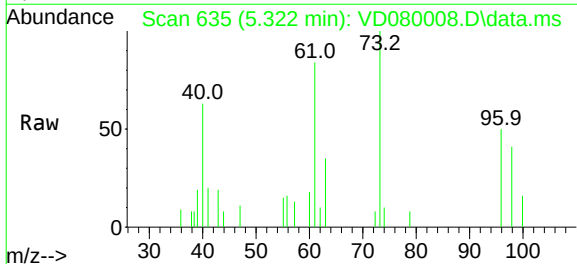
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

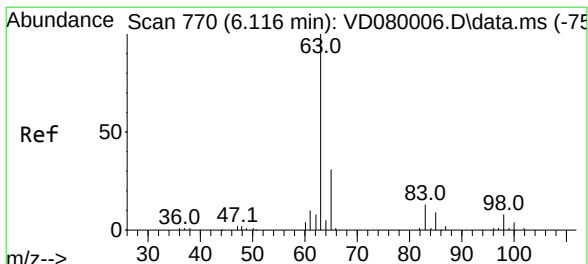
Tgt Ion:	96	Resp:	3447
Ion	Ratio	Lower	Upper
96	100		
61	125.3	91.1	169.3
98	63.8	41.6	77.2



#18
Methyl tert-butyl Ether
Concen: 0.995 ug/L
RT: 5.322 min Scan# 635
Delta R.T. -0.006 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

Tgt Ion:	73	Resp:	6556
Ion	Ratio	Lower	Upper
73	100		
43	12.1	16.1	24.1#
57	2.6	18.5	27.7#

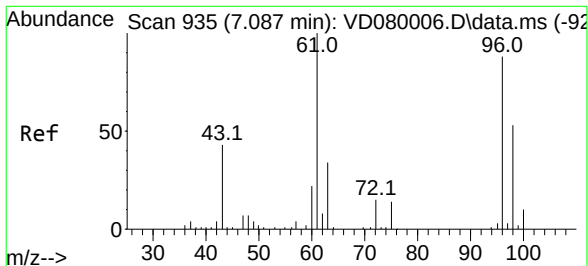
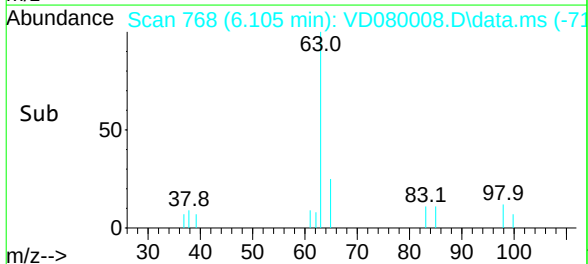
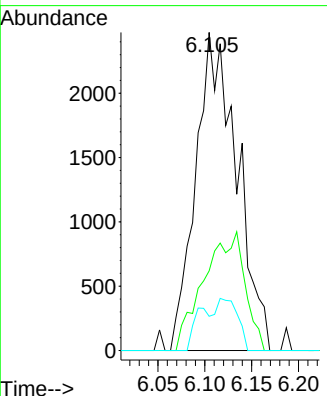
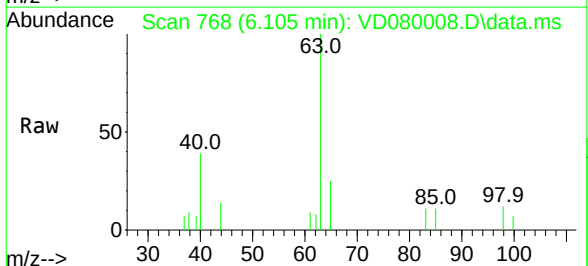




#19
 1,1-Dichloroethane
 Concen: 1.193 ug/L
 RT: 6.105 min Scan# 768
 Delta R.T. -0.012 min
 Lab File: VD080008.D
 Acq: 14 Nov 2024 12:37

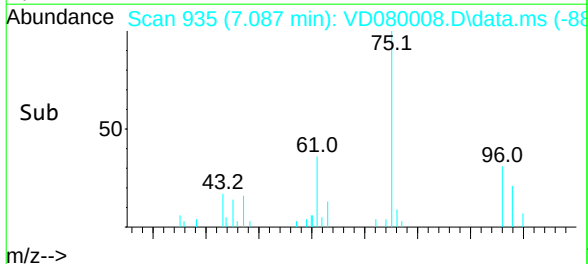
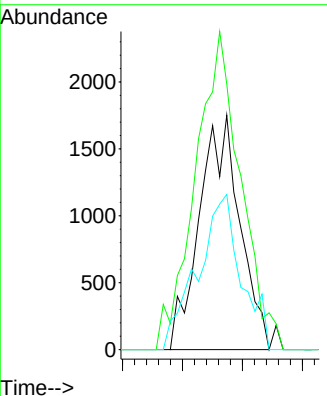
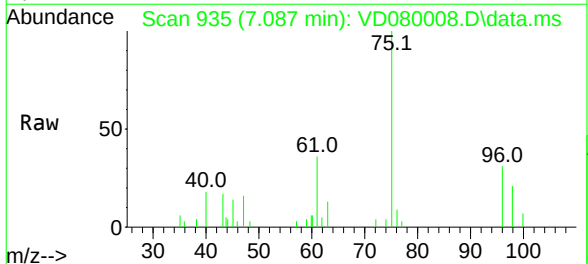
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-QT4-2024-08

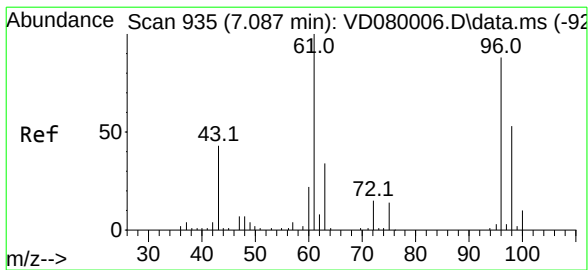
Tgt Ion:	63	Resp:	7549
Ion	Ratio	Lower	Upper
63	100		
65	25.0	21.9	40.7
83	10.8	9.0	16.6



#20
 cis-1,2-Dichloroethene
 Concen: 1.109 ug/L m
 RT: 7.087 min Scan# 935
 Delta R.T. 0.000 min
 Lab File: VD080008.D
 Acq: 14 Nov 2024 12:37

Tgt Ion:	96	Resp:	4098
Ion	Ratio	Lower	Upper
96	100		
61	113.4	84.8	157.4
98	66.2	44.4	82.5

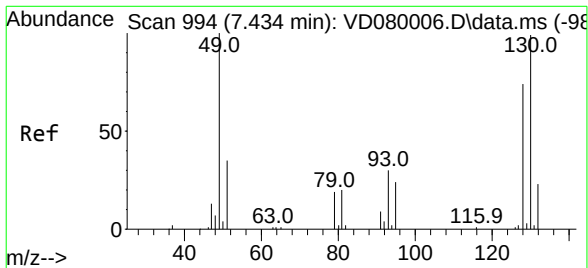
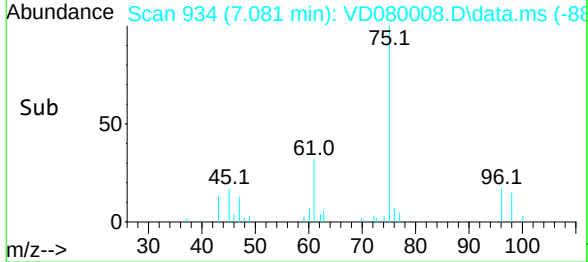
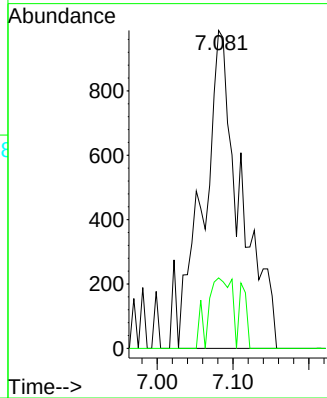
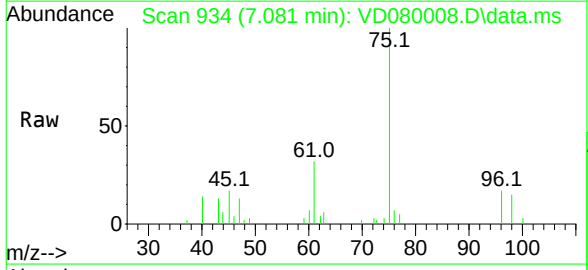




#22
2-Butanone
Concen: 3.288 ug/L m
RT: 7.081 min Scan# 93
Delta R.T. -0.006 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

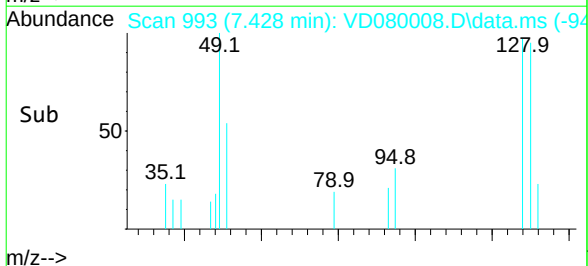
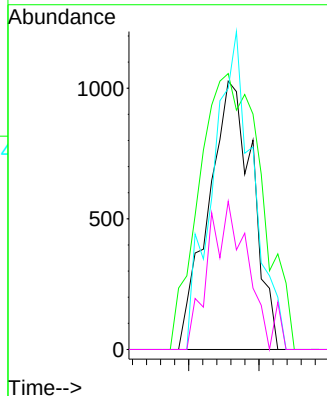
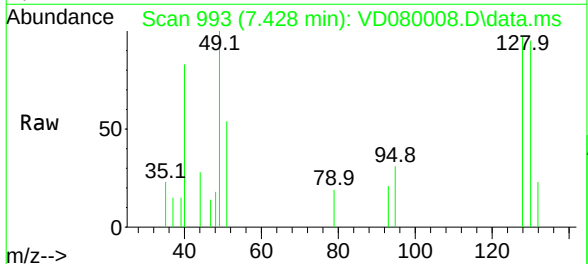
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

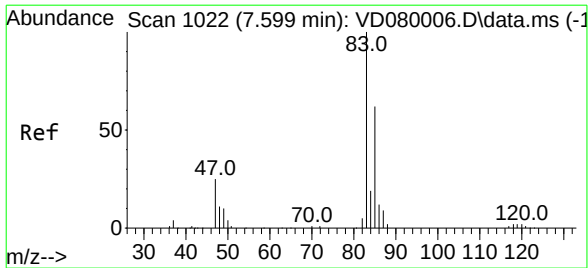
Tgt Ion: 43 Resp: 3336
Ion Ratio Lower Upper
43 100
72 10.3 14.3 42.9#



#23
Bromochloromethane
Concen: 1.225 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.006 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

Tgt Ion: 128 Resp: 2248
Ion Ratio Lower Upper
128 100
49 102.8 103.2 191.6#
130 97.3 90.6 168.2
51 55.2 38.6 57.8

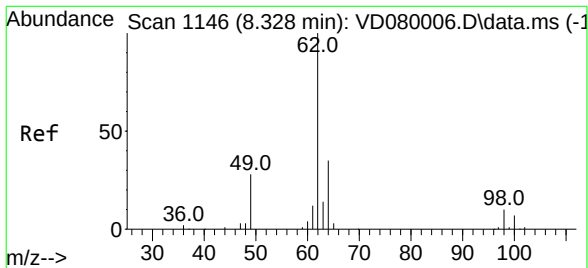
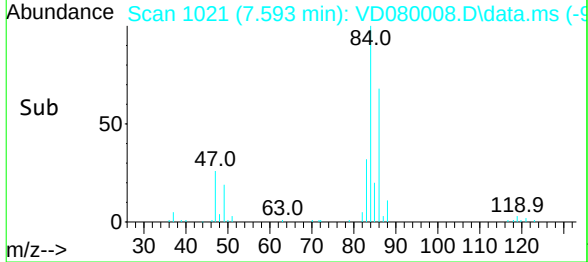
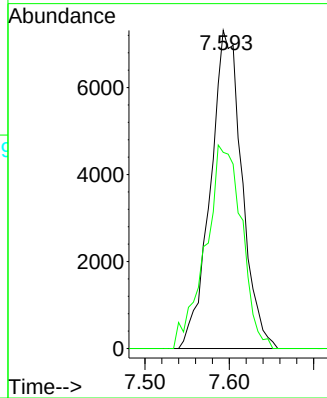
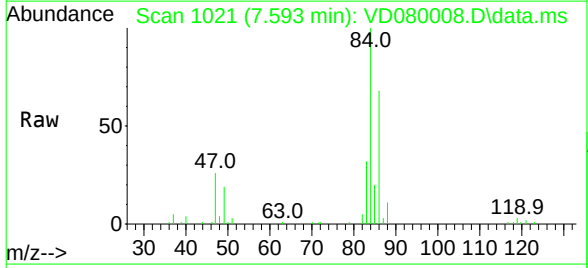




#25
Chloroform
Concen: 2.589 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

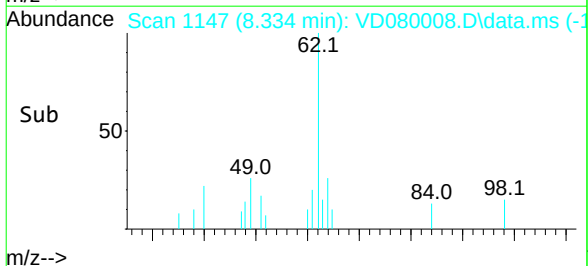
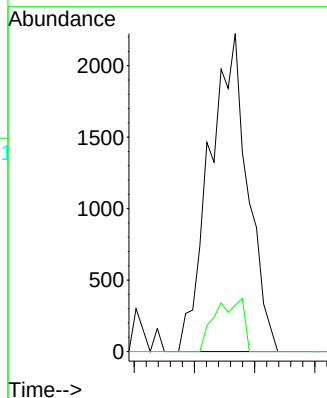
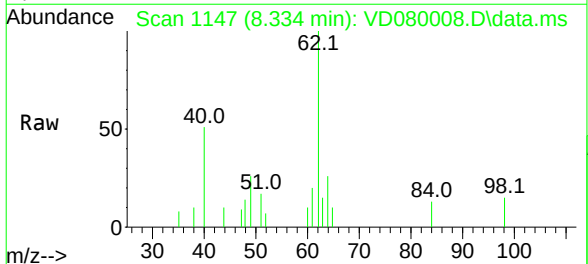
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

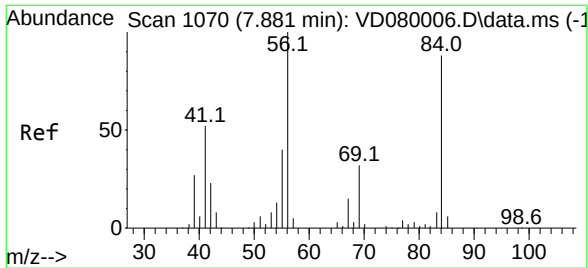
Tgt Ion: 83 Resp: 18943
Ion Ratio Lower Upper
83 100
85 61.7 45.6 84.6



#27
1,2-Dichloroethane
Concen: 1.150 ug/L
RT: 8.334 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

Tgt Ion: 62 Resp: 4914
Ion Ratio Lower Upper
62 100
98 14.6 7.5 11.3#

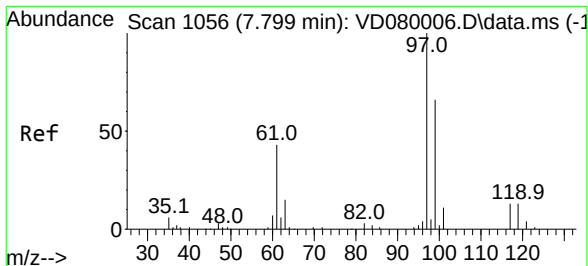
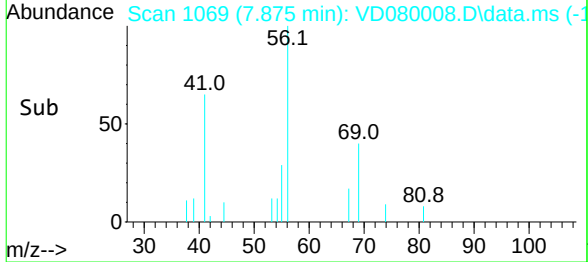
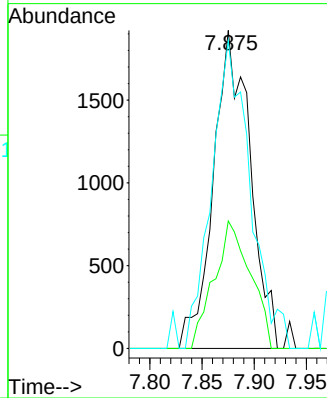
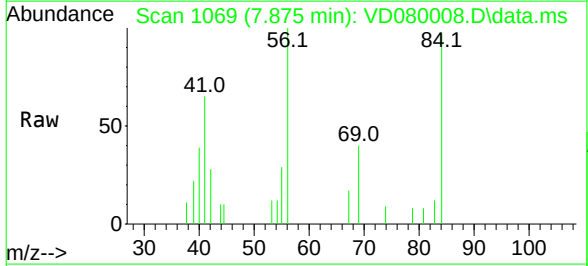




#29
Cyclohexane
Concen: 1.000 ug/L m
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

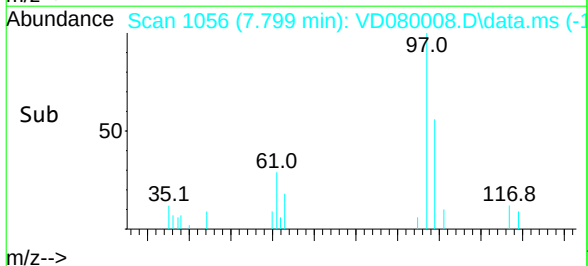
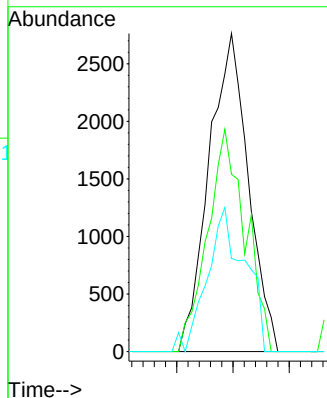
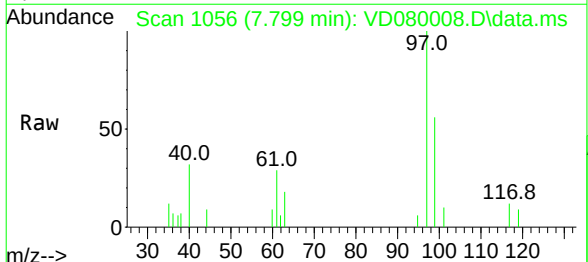
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2024-08

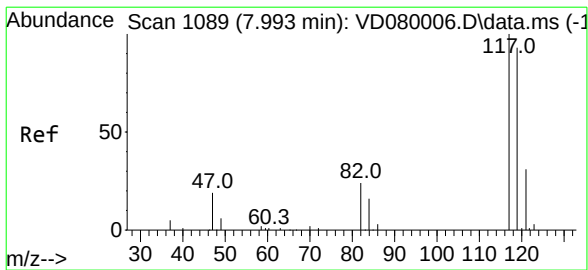
Tgt Ion:	56	Resp:	4707
Ion	Ratio	Lower	Upper
56	100		
69	39.6	25.6	38.4#
84	97.9	71.0	106.6



#30
1,1,1-Trichloroethane
Concen: 1.207 ug/L
RT: 7.799 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

Tgt Ion:	97	Resp:	6726
Ion	Ratio	Lower	Upper
97	100		
99	67.1	51.5	77.3
61	31.0	34.3	51.5#

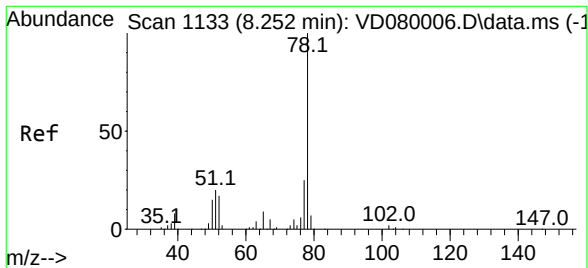
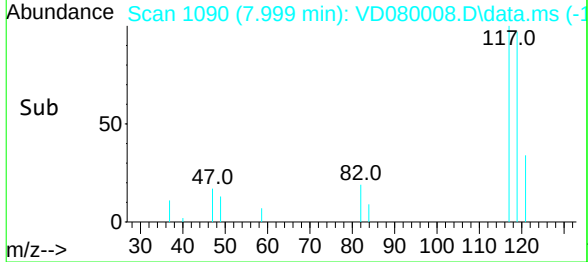
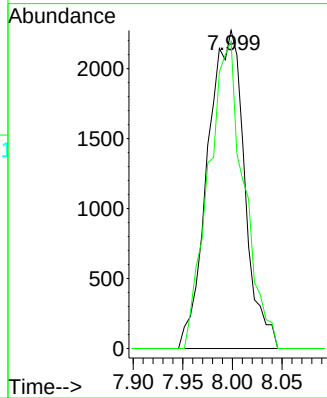
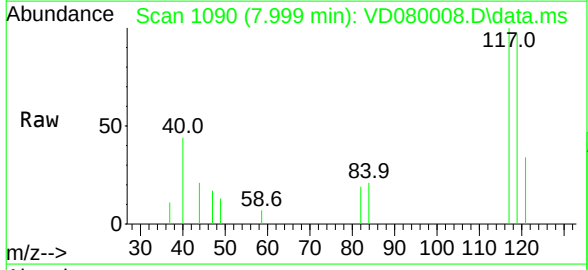




#31
Carbon tetrachloride
Concen: 1.198 ug/L
RT: 7.999 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

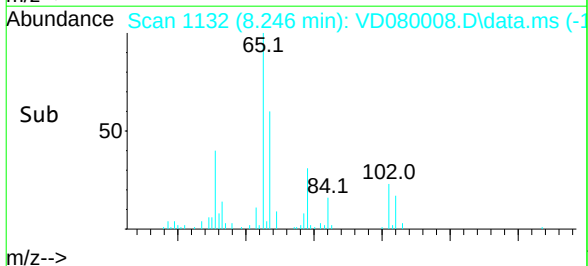
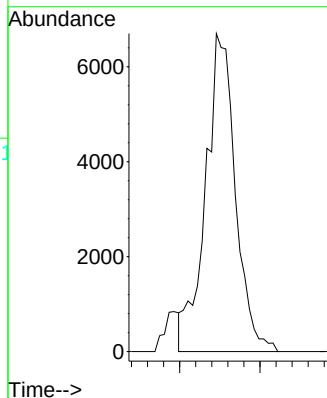
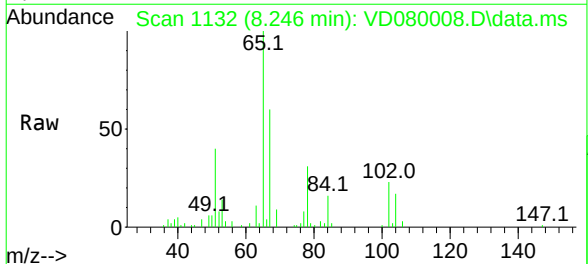
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2024-08

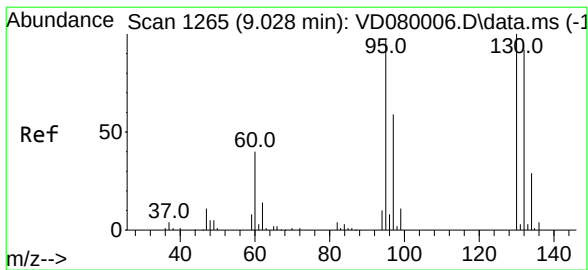
Tgt Ion:117 Resp: 5864
Ion Ratio Lower Upper
117 100
119 93.1 76.8 115.2



#33
Benzene
Concen: 1.270 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

Tgt Ion: 78 Resp: 17294





#34

Trichloroethene

Concen: 1.219 ug/L

RT: 9.034 min Scan# 1266

Delta R.T. 0.006 min

Lab File: VD080008.D

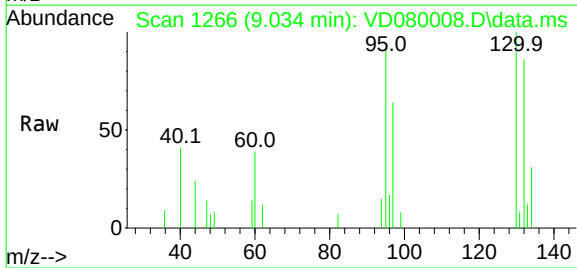
Acq: 14 Nov 2024 12:37

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2024-08



Tgt Ion: 95 Resp: 4449

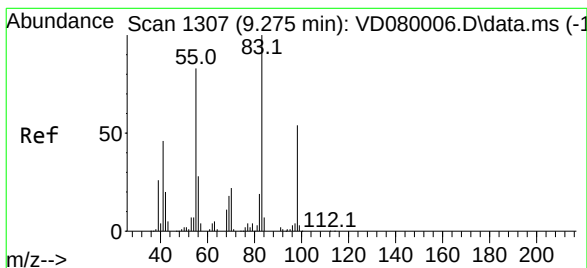
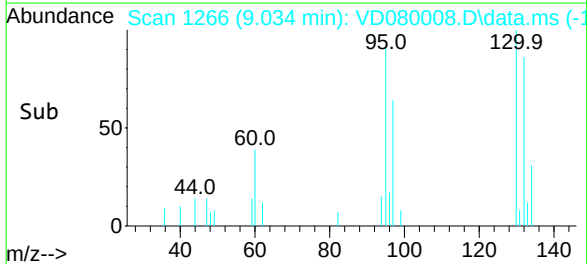
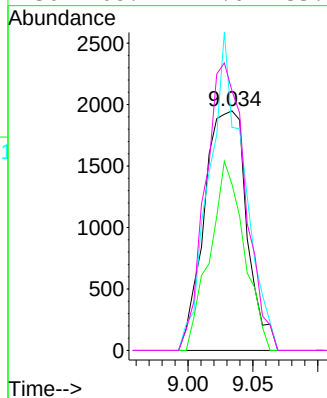
Ion Ratio Lower Upper

95 100

97 69.4 47.7 88.5

132 93.2 72.8 135.2

130 108.4 72.0 133.6



#35

Methylcyclohexane

Concen: 1.030 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

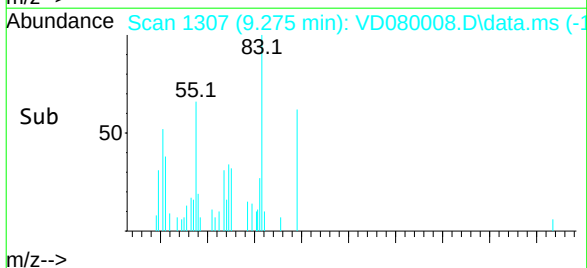
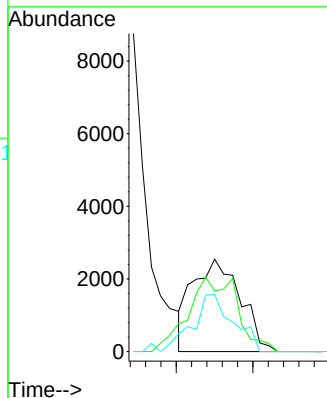
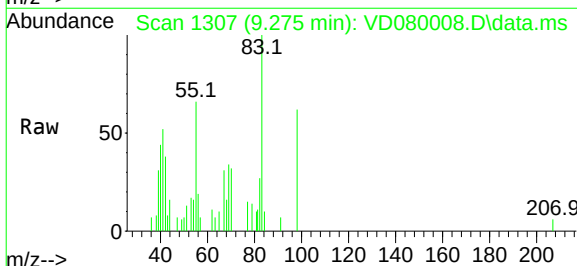
Tgt Ion: 83 Resp: 5497

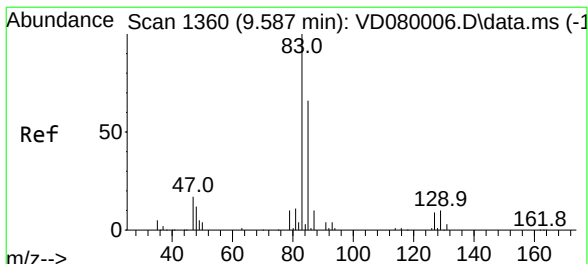
Ion Ratio Lower Upper

83 100

55 49.1 61.2 91.8#

98 39.7 38.2 57.2

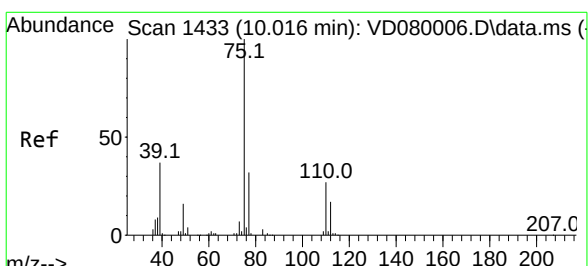
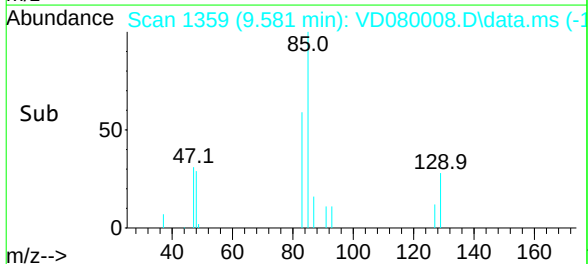
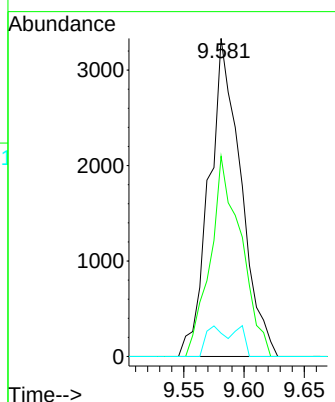
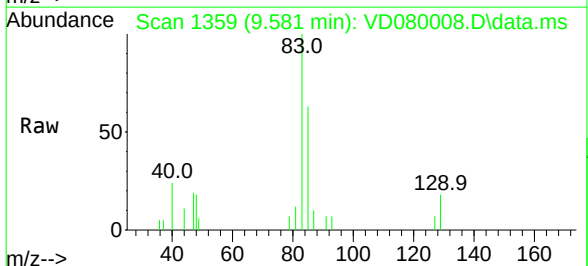




#38
 Bromodichloromethane
 Concen: 1.261 ug/L
 RT: 9.581 min Scan# 1360
 Delta R.T. -0.006 min
 Lab File: VD080008.D
 Acq: 14 Nov 2024 12:37

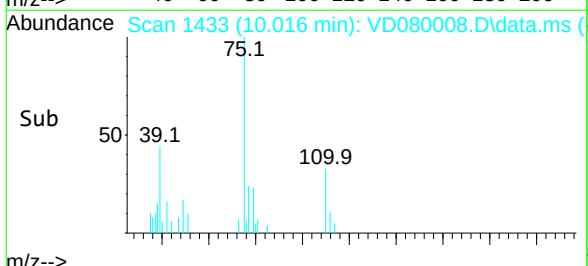
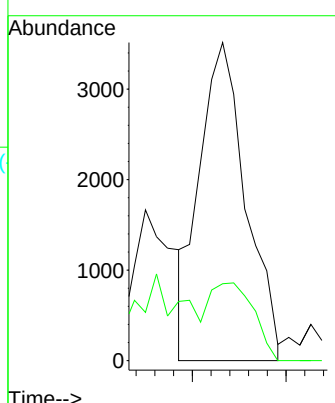
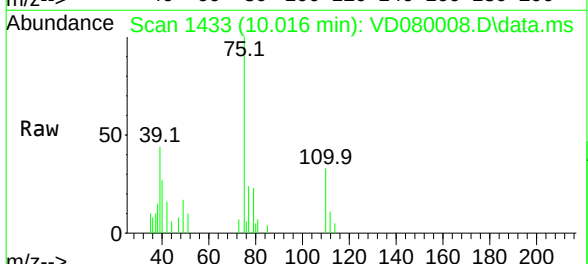
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-QT4-2024-08

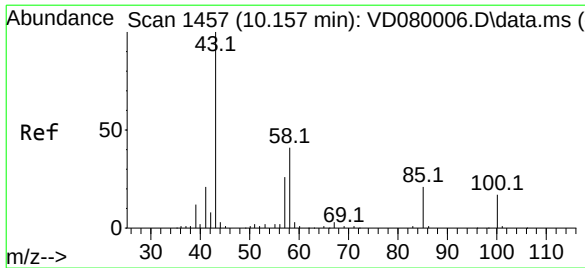
Tgt Ion:	83	Resp:	6113
Ion	Ratio	Lower	Upper
83	100		
85	62.9	46.0	85.4
127	7.3	6.7	10.1



#39
 cis-1,3-Dichloropropene
 Concen: 1.103 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD080008.D
 Acq: 14 Nov 2024 12:37

Tgt Ion:	75	Resp:	6058
Ion	Ratio	Lower	Upper
75	100		
77	24.2	22.5	41.9





#40

4-Methyl-2-pentanone

Concen: 1.969 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

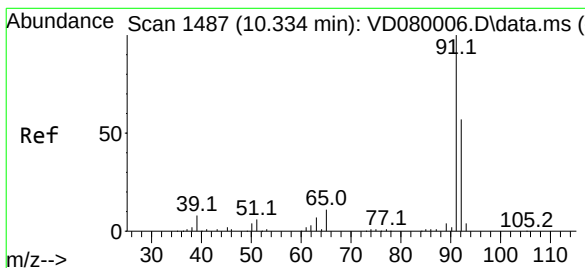
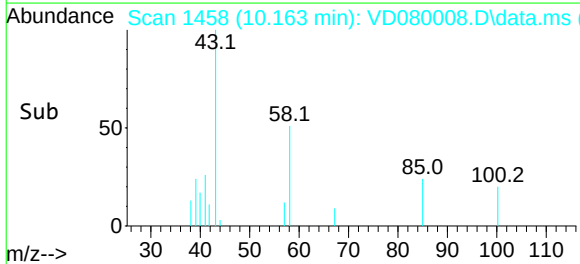
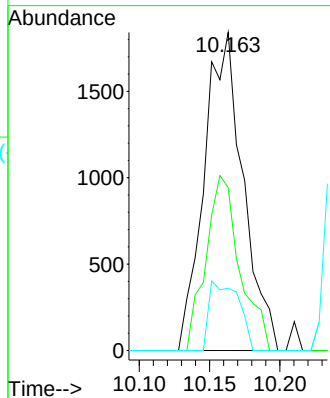
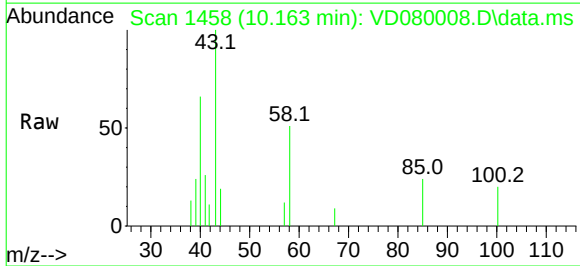
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2024-08

Tgt Ion:	43	Resp:	3536
Ion	Ratio	Lower	Upper
43	100		
58	48.1	31.5	47.3#
100	7.5	12.7	19.1#



#42

Toluene

Concen: 1.278 ug/L

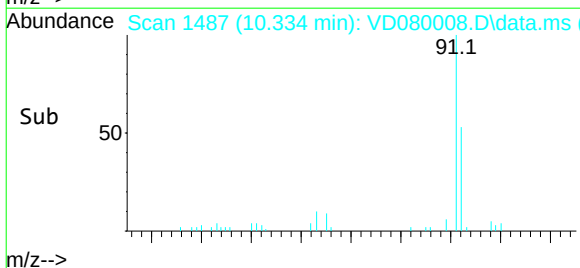
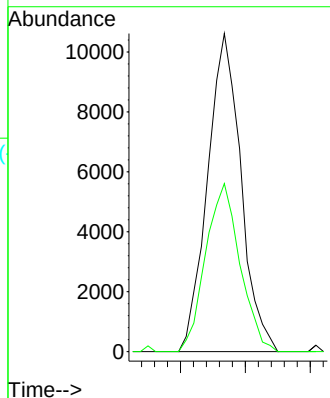
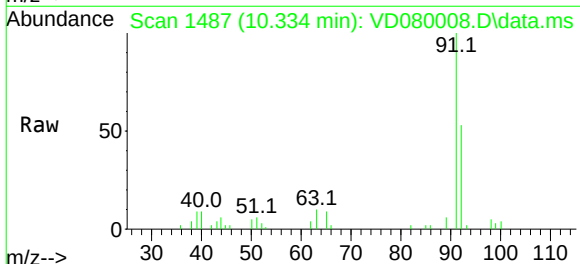
RT: 10.334 min Scan# 1487

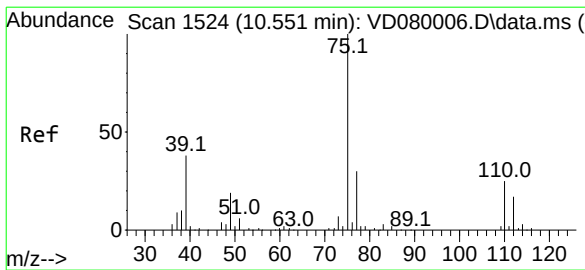
Delta R.T. 0.000 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

Tgt Ion:	91	Resp:	19005
Ion	Ratio	Lower	Upper
91	100		
92	52.8	39.4	73.2





#44

trans-1,3-Dichloropropene

Concen: 1.315 ug/L

RT: 10.551 min Scan# 15

Delta R.T. 0.000 min

Lab File: VD080008.D

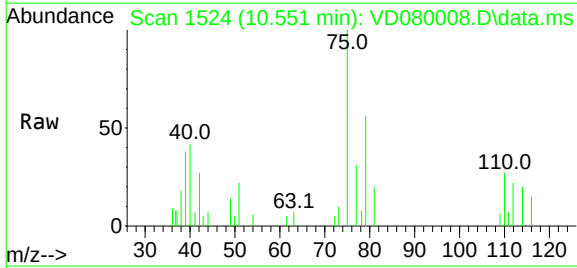
Acq: 14 Nov 2024 12:37

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2024-08

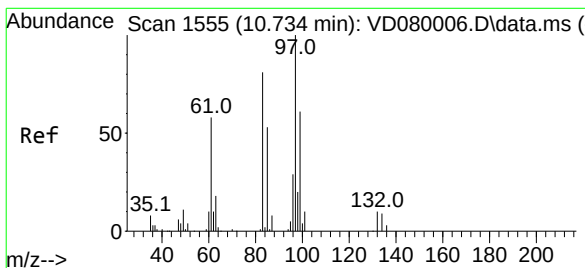
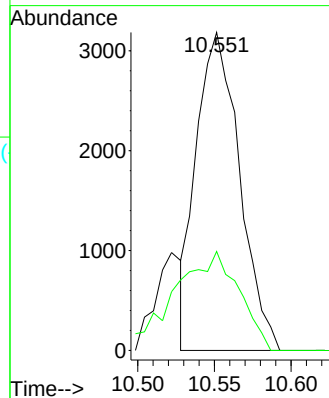
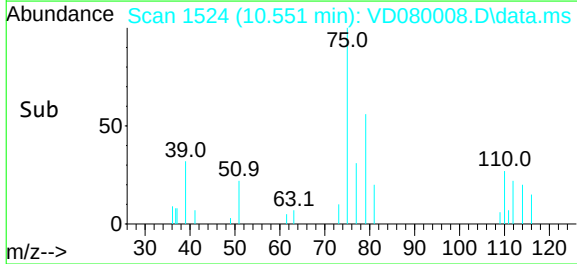


Tgt Ion: 75 Resp: 6220

Ion Ratio Lower Upper

75 100

77 31.1 21.0 39.0



#45

1,1,2-Trichloroethane

Concen: 1.246 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

Tgt Ion: 97 Resp: 3609

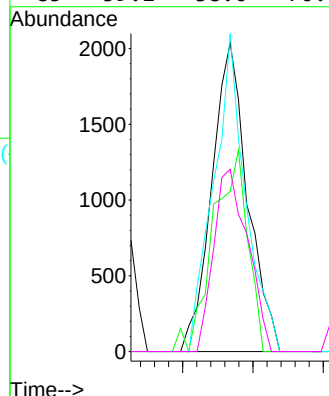
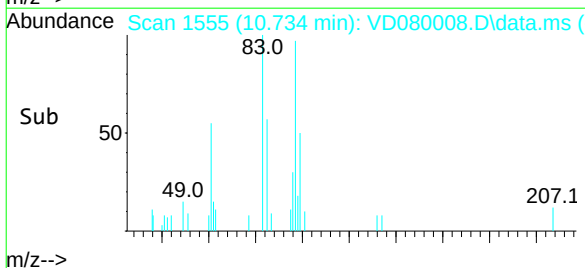
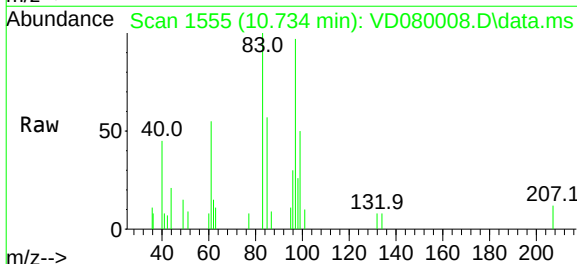
Ion Ratio Lower Upper

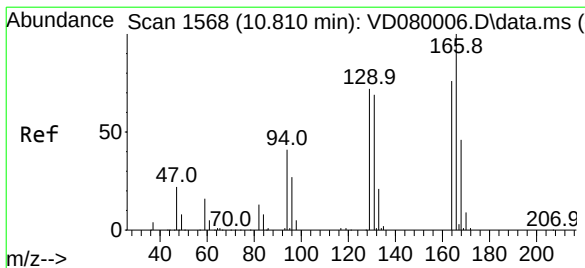
97 100

99 51.9 45.2 84.0

83 103.0 61.5 114.3

85 59.1 38.0 70.6





#46

Tetrachloroethene

Concen: 1.127 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD080008.D

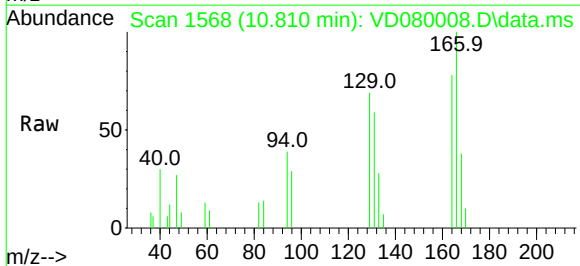
Acq: 14 Nov 2024 12:37

Instrument :

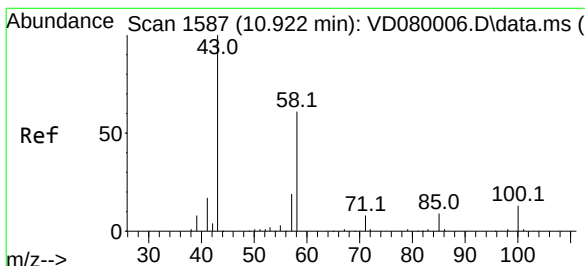
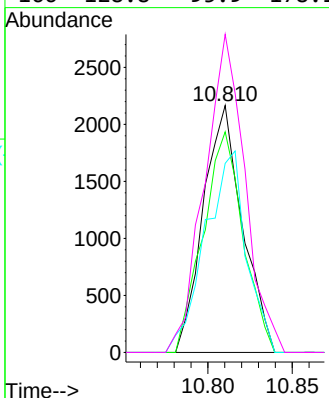
MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2024-08



Tgt Ion:	164	Resp:	3501
Ion	Ratio	Lower	Upper
164	100		
129	89.3	69.1	128.3
131	76.5	65.4	121.4
166	128.8	95.9	178.1



#48

2-Hexanone

Concen: 2.650 ug/L

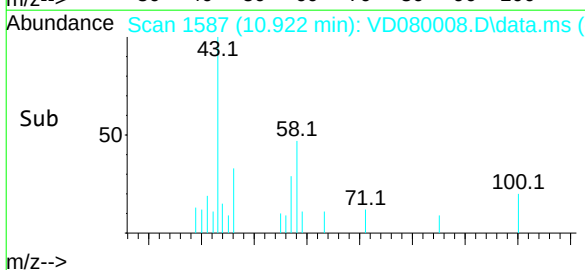
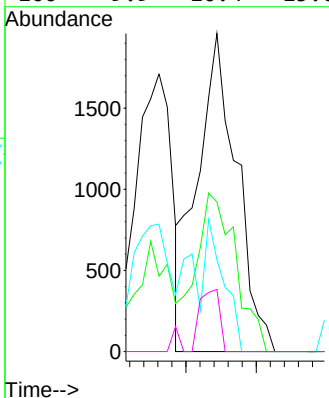
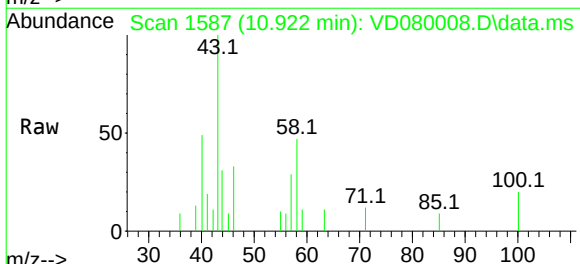
RT: 10.922 min Scan# 1587

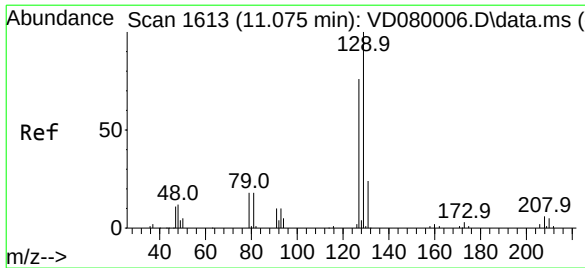
Delta R.T. 0.000 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

Tgt Ion:	43	Resp:	3837
Ion	Ratio	Lower	Upper
43	100		
58	32.8	45.9	68.9#
57	19.5	15.2	22.8
100	9.9	10.4	15.6#





#49

Dibromochloromethane

Concen: 1.215 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

Instrument :

MSVOA_D

ClientSampleId :

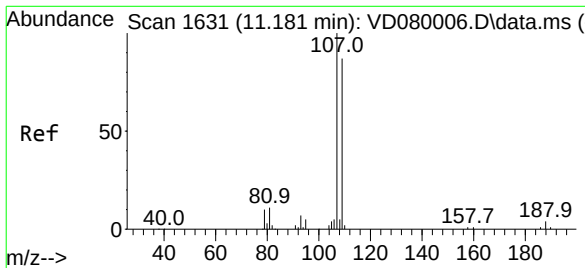
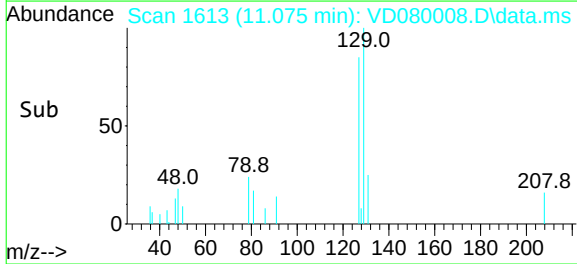
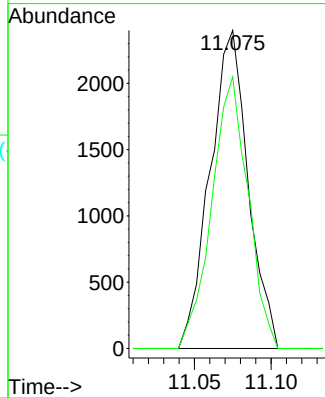
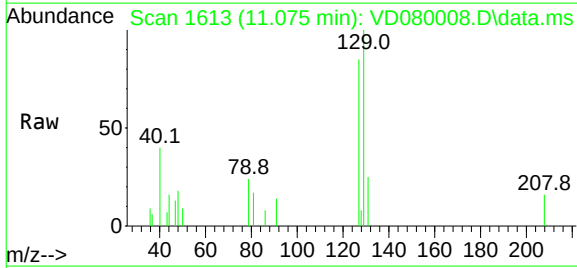
MDL-SOIL-QT4-2024-08

Tgt Ion:129 Resp: 4144

Ion Ratio Lower Upper

129 100

127 85.4 54.9 102.1



#50

1,2-Dibromoethane

Concen: 1.222 ug/L

RT: 11.181 min Scan# 1631

Delta R.T. 0.000 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

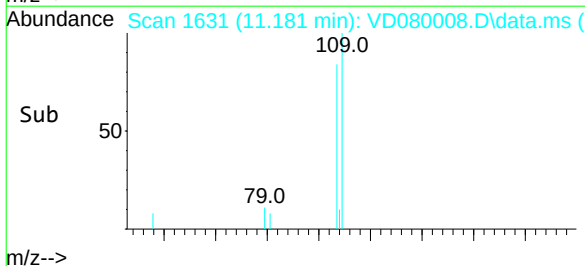
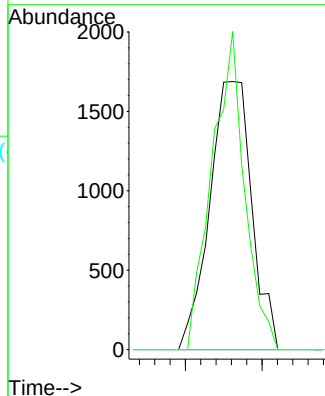
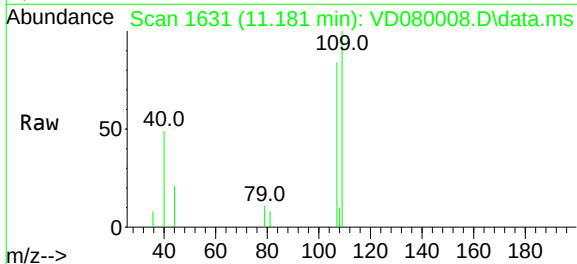
Tgt Ion:107 Resp: 3231

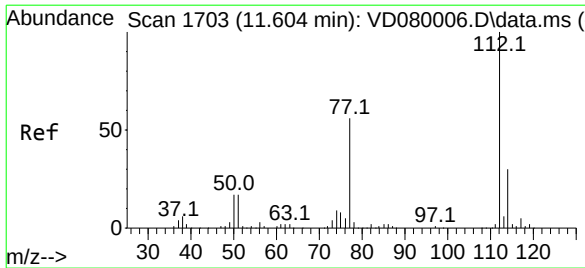
Ion Ratio Lower Upper

107 100

109 118.7 66.6 123.8

188 0.0 2.8 4.2#





#51

Chlorobenzene

Concen: 1.145 ug/L

RT: 11.610 min Scan# 17

Delta R.T. 0.006 min

Lab File: VD080008.D

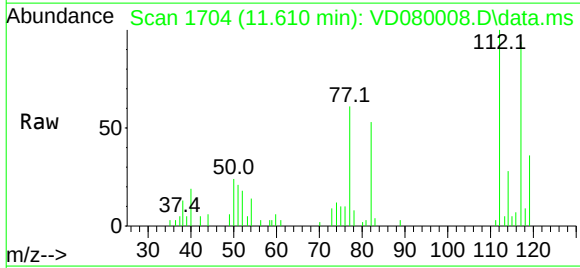
Acq: 14 Nov 2024 12:37

Instrument :

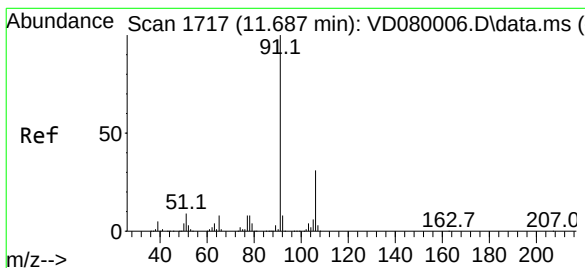
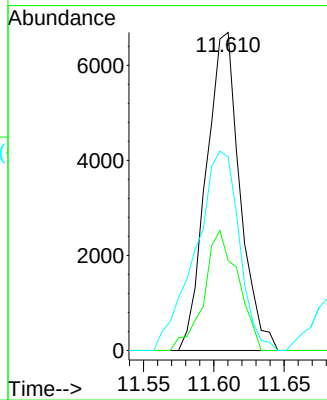
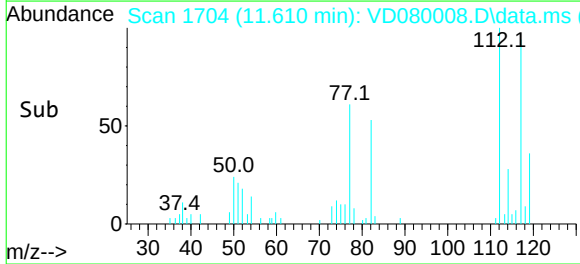
MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2024-08



Tgt Ion:	112	Resp:	11158
Ion	Ratio	Lower	Upper
112	100		
114	28.3	21.8	40.4
77	60.9	49.1	73.7



#52

Ethylbenzene

Concen: 1.029 ug/L

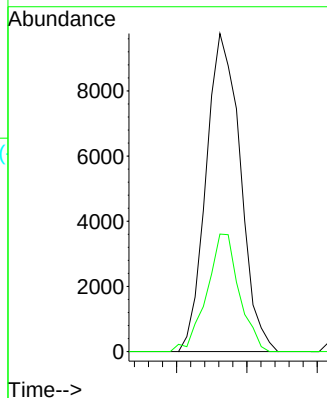
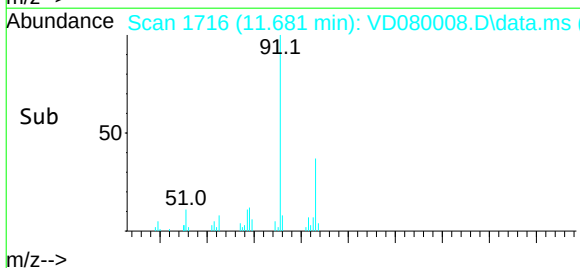
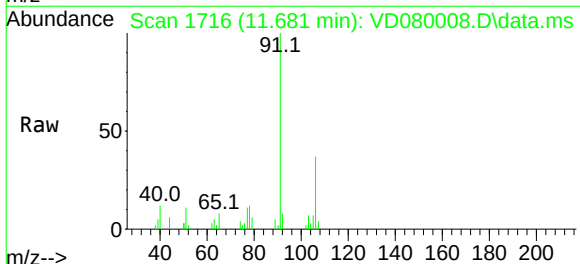
RT: 11.681 min Scan# 1716

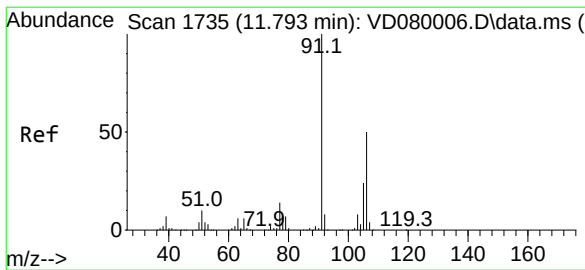
Delta R.T. -0.006 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

Tgt Ion:	91	Resp:	16514
Ion	Ratio	Lower	Upper
91	100		
106	36.9	21.2	39.4

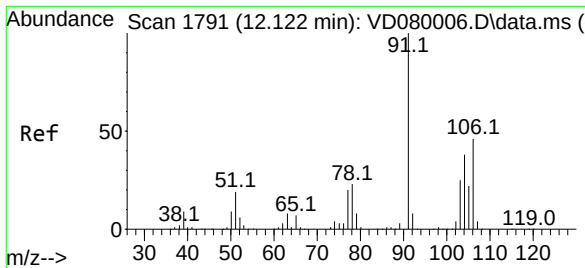
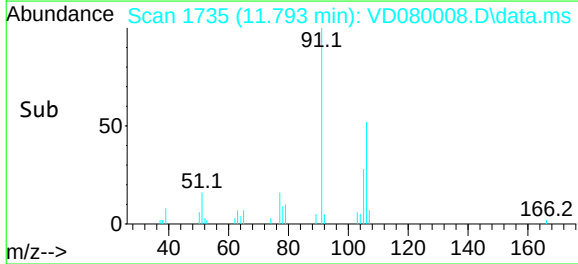
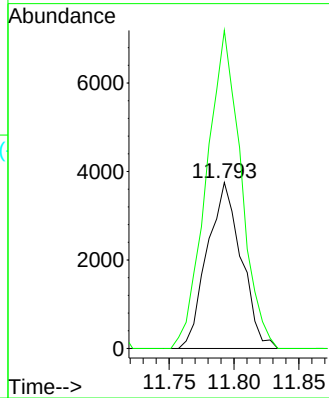
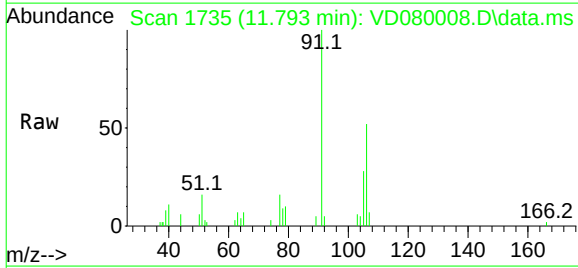




#53
m,p-Xylene
Concen: 1.140 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

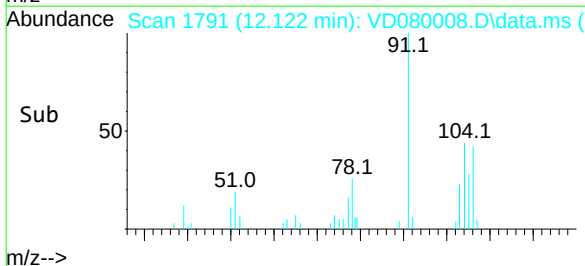
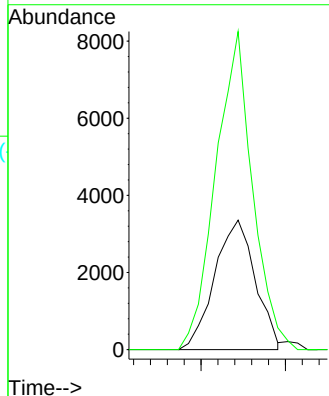
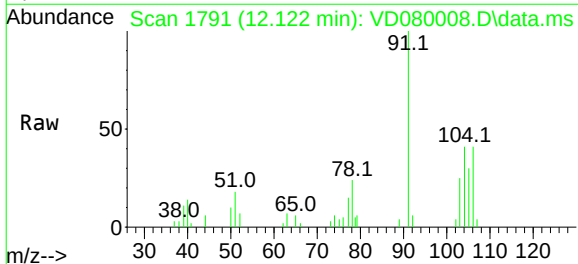
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

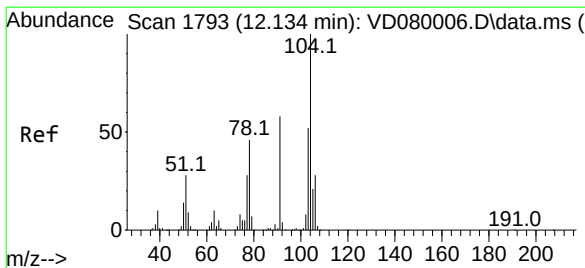
Tgt Ion:	106	Resp:	6860
Ion Ratio	Lower	Upper	
106	100		
91	191.6	149.3	277.3



#54
o-Xylene
Concen: 0.982 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

Tgt Ion:	106	Resp:	5630
Ion Ratio	Lower	Upper	
106	100		
91	245.7	148.0	274.8





#55

Styrene

Concen: 0.960 ug/L

RT: 12.134 min Scan# 17

Delta R.T. 0.000 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

Instrument :

MSVOA_D

ClientSampleId :

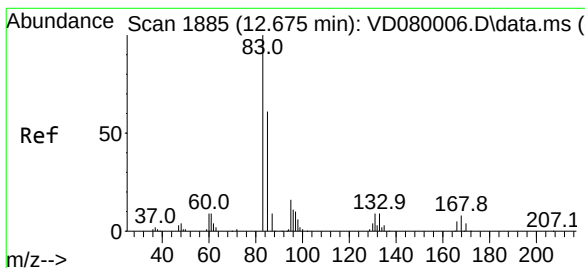
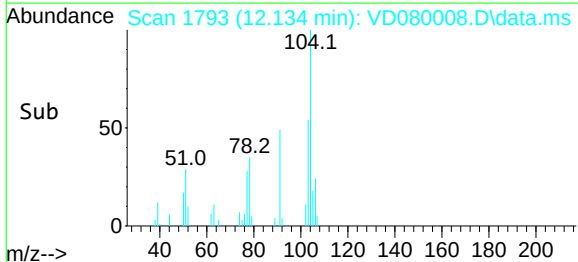
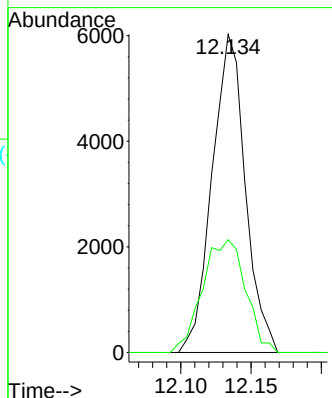
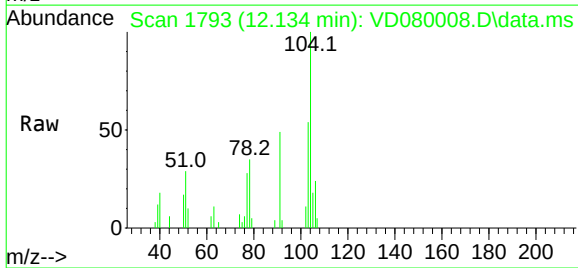
MDL-SOIL-QT4-2024-08

Tgt Ion:104 Resp: 9905

Ion Ratio Lower Upper

104 100

78 35.4 31.6 58.6



#57

1,1,2-Tetrachloroethane

Concen: 1.261 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

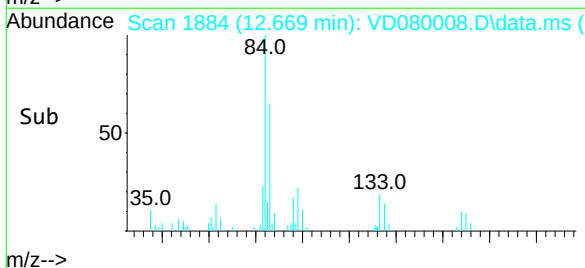
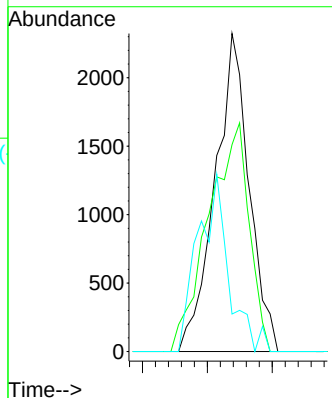
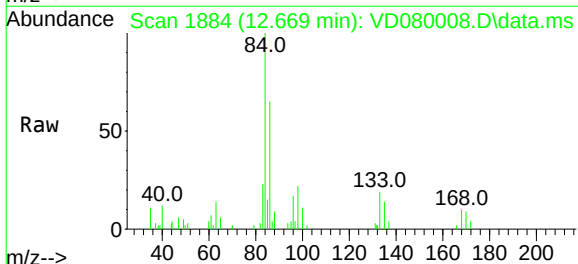
Tgt Ion: 83 Resp: 4242

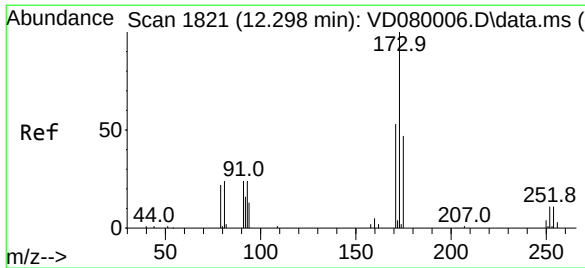
Ion Ratio Lower Upper

83 100

85 65.0 44.4 82.4

131 19.8 8.6 13.0#





#59

Bromoform

Concen: 1.498 ug/L

RT: 12.293 min Scan# 1821

Delta R.T. -0.006 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

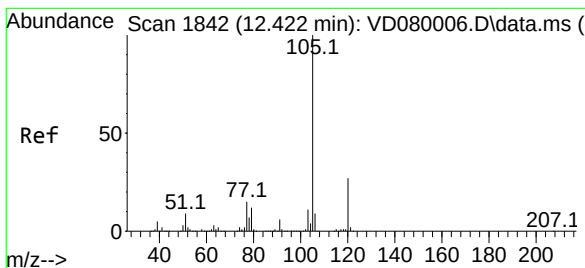
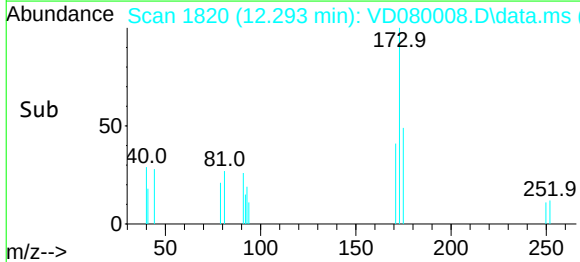
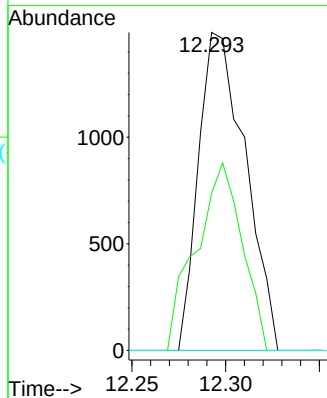
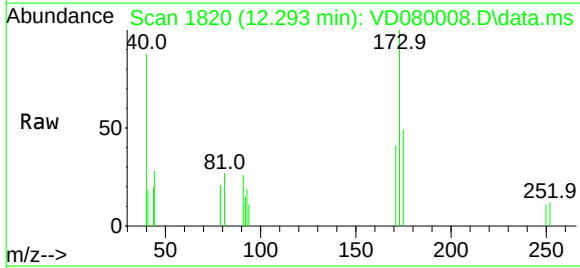
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2024-08

Tgt Ion:	173	Resp:	2585
Ion	Ratio	Lower	Upper
173	100		
175	58.6	39.0	58.6#
254	0.0	8.3	12.5#



#60

Isopropylbenzene

Concen: 1.208 ug/L

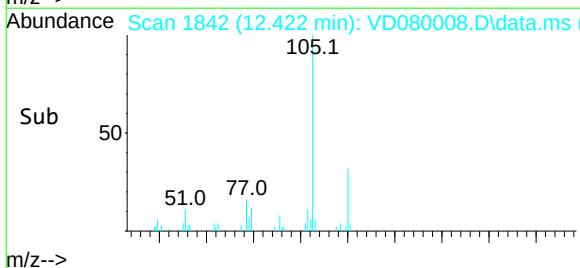
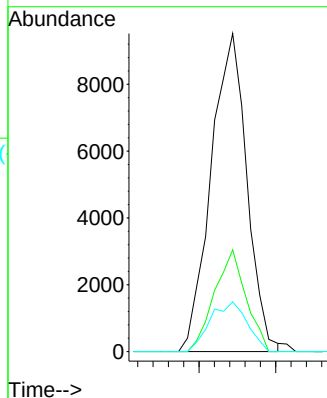
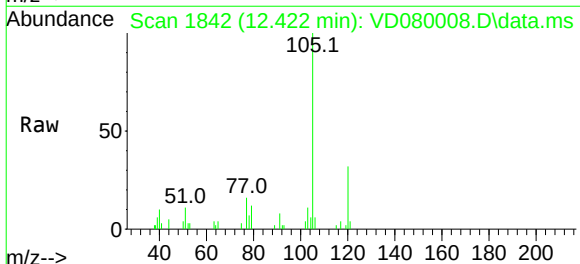
RT: 12.422 min Scan# 1842

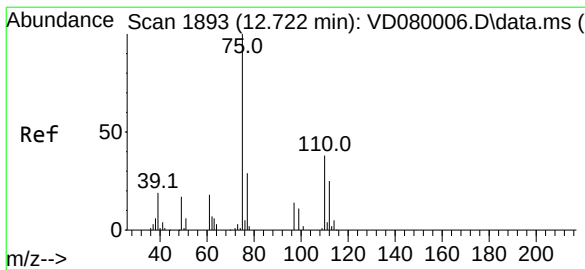
Delta R.T. 0.000 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

Tgt Ion:	105	Resp:	15439
Ion	Ratio	Lower	Upper
105	100		
120	28.3	21.3	31.9
77	16.1	12.6	18.8

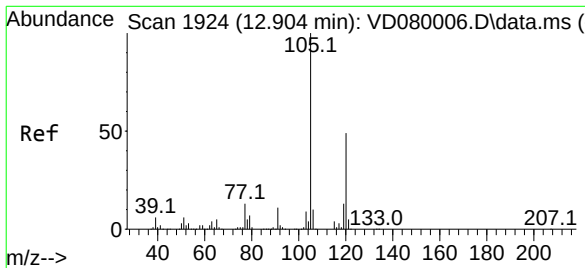
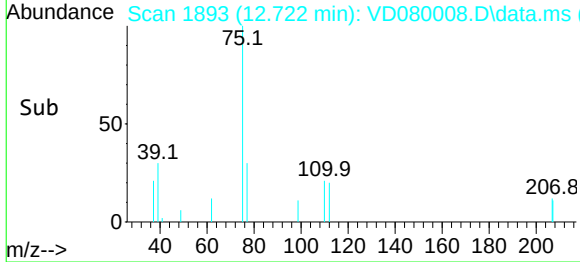
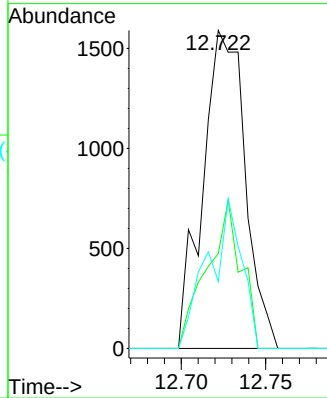
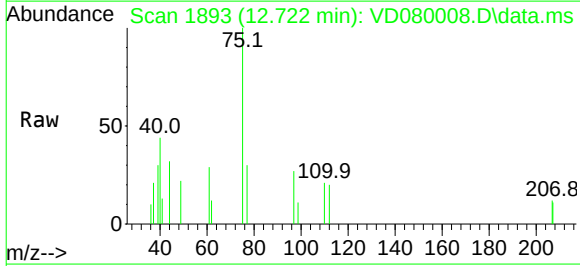




#61
1,2,3-Trichloropropane
Concen: 1.525 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

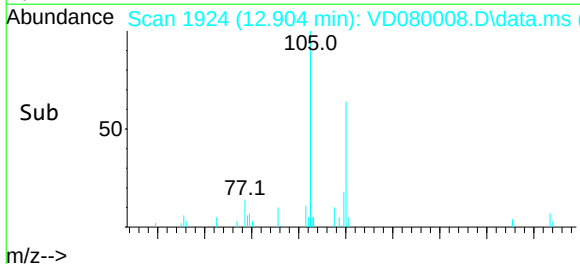
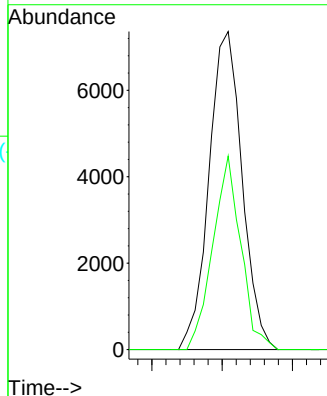
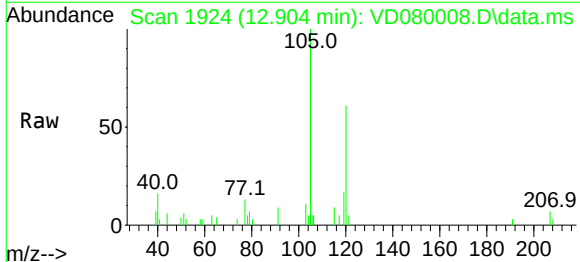
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

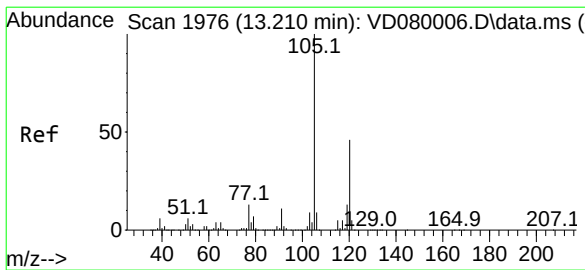
Tgt Ion:	75	Resp:	2780
Ion Ratio	Lower	Upper	
75	100		
77	37.3	26.3	39.5
110	20.3	30.2	45.2#



#62
1,3,5-Trimethylbenzene
Concen: 1.201 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

Tgt Ion:	105	Resp:	12061
Ion Ratio	Lower	Upper	
105	100		
120	51.5	38.8	58.2





#63

1,2,4-Trimethylbenzene

Concen: 1.145 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

Instrument :

MSVOA_D

ClientSampleId :

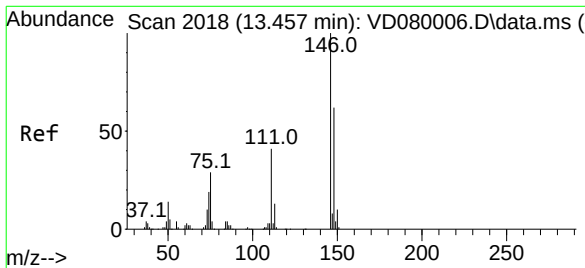
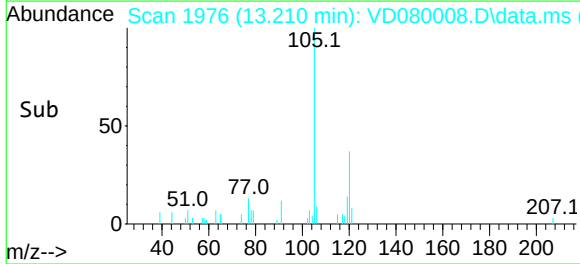
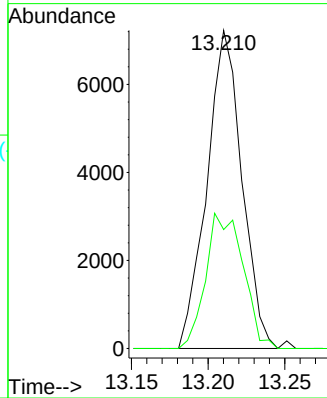
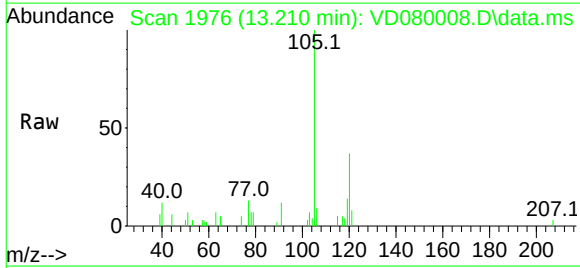
MDL-SOIL-QT4-2024-08

Tgt Ion:105 Resp: 11446

Ion Ratio Lower Upper

105 100

120 45.4 36.8 55.2



#64

1,3-Dichlorobenzene

Concen: 1.212 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

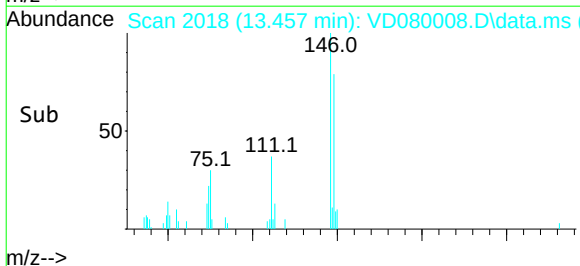
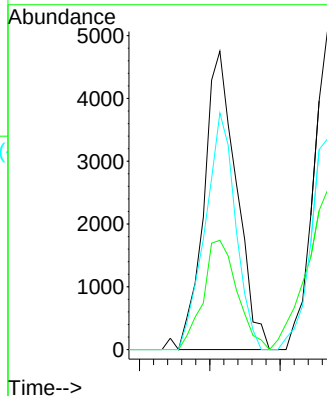
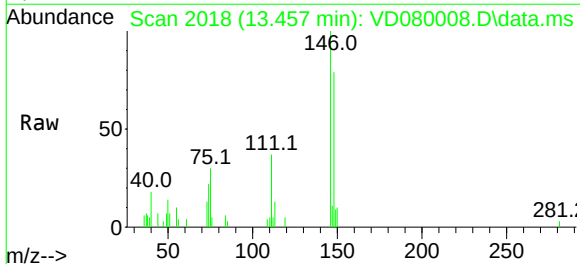
Tgt Ion:146 Resp: 7602

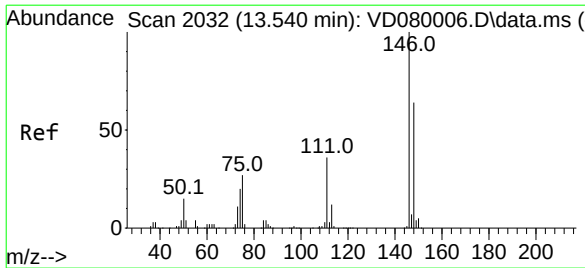
Ion Ratio Lower Upper

146 100

111 36.6 28.2 52.4

148 79.3 44.4 82.4

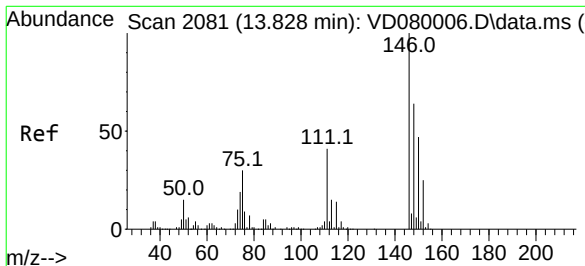
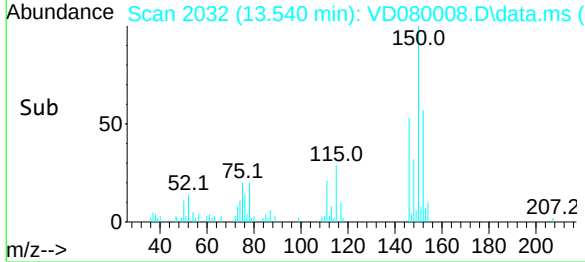
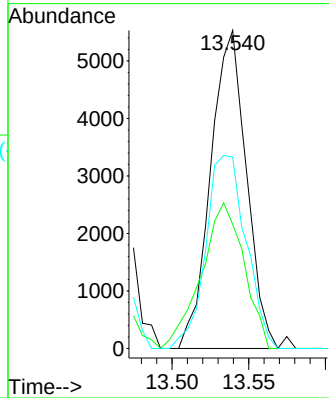
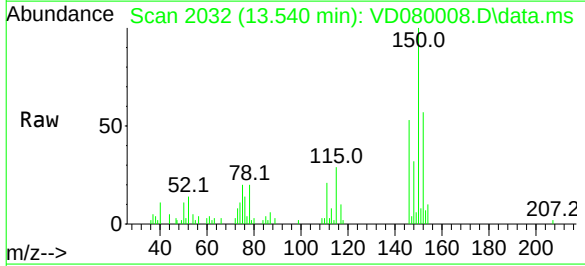




#65
1,4-Dichlorobenzene
Concen: 1.362 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

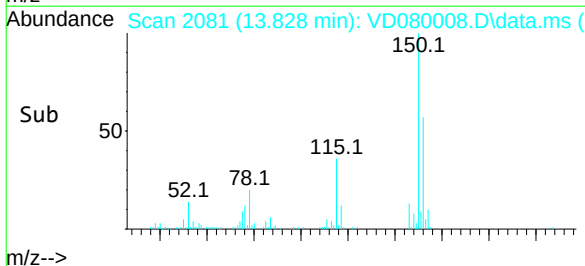
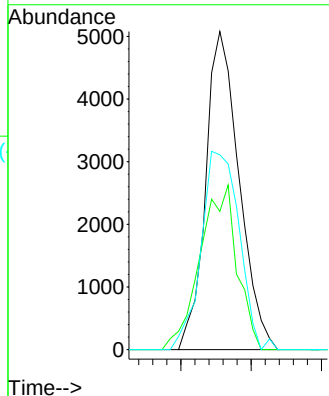
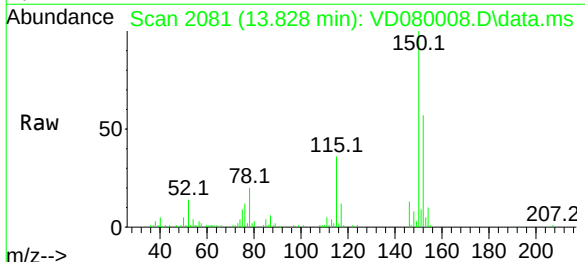
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

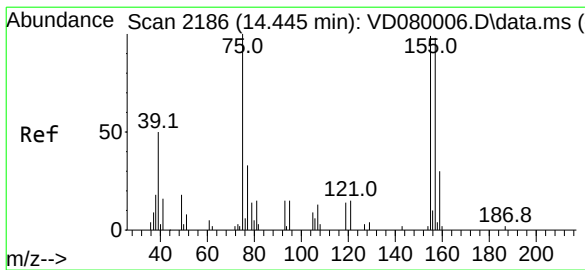
Tgt Ion:	146	Resp:	8950
Ion	Ratio	Lower	Upper
146	100		
111	39.0	26.2	48.8
148	60.2	46.1	85.5



#67
1,2-Dichlorobenzene
Concen: 1.451 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

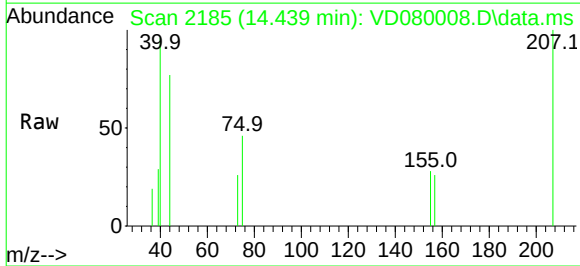
Tgt Ion:	146	Resp:	8411
Ion	Ratio	Lower	Upper
146	100		
111	43.5	33.0	49.6
148	61.2	51.0	76.4



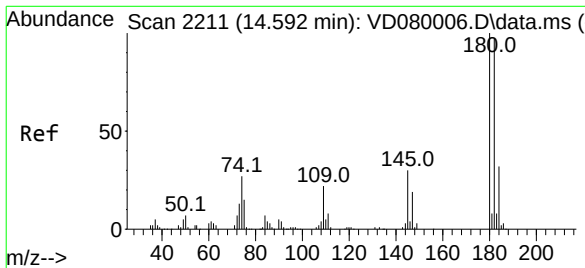
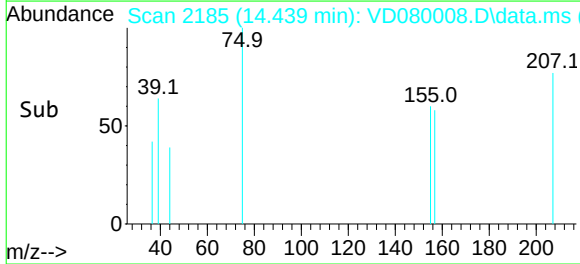
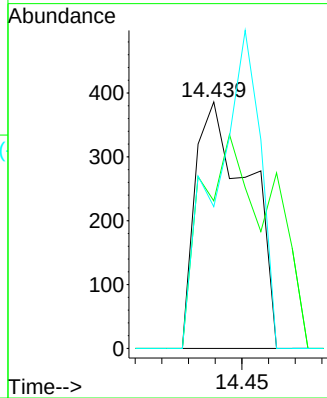


#68
1,2-Dibromo-3-chloropropane
Concen: 1.349 ug/L m
RT: 14.439 min Scan# 2186
Delta R.T. -0.006 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2024-08

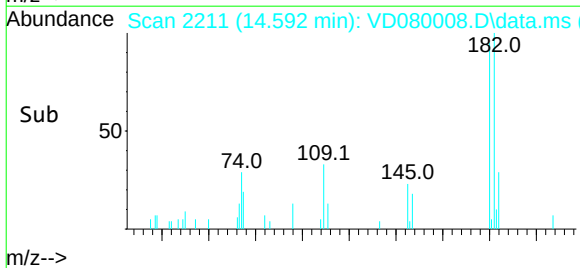
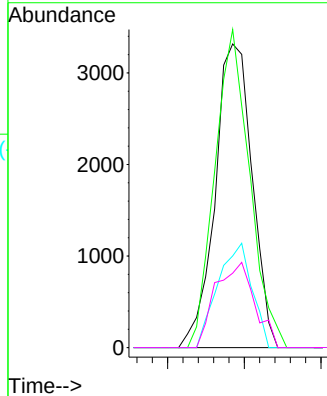
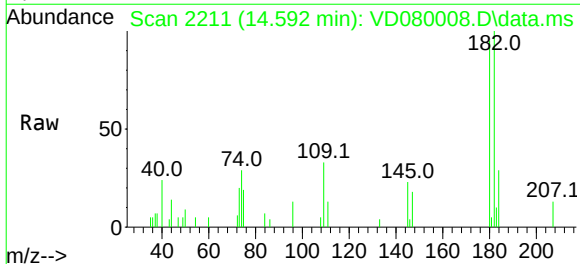


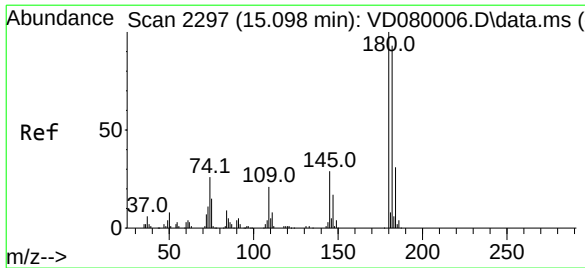
Tgt Ion:	75	Resp:	536
Ion Ratio	Lower	Upper	
75	100		
155	59.8	68.7	103.1#
157	57.5	79.4	119.2#



#69
1,3,5-Trichlorobenzene
Concen: 1.312 ug/L
RT: 14.592 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VD080008.D
Acq: 14 Nov 2024 12:37

Tgt Ion:	180	Resp:	5560
Ion Ratio	Lower	Upper	
180	100		
182	98.5	75.8	113.6
184	31.7	24.6	36.8
145	29.6	23.1	34.7





#70

1,2,4-trichlorobenzene

Concen: 1.347 ug/L

RT: 15.092 min Scan# 22

Delta R.T. -0.006 min

Lab File: VD080008.D

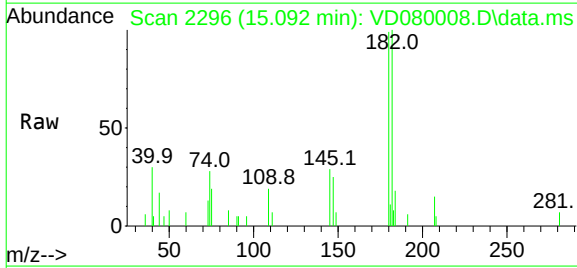
Acq: 14 Nov 2024 12:37

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2024-08



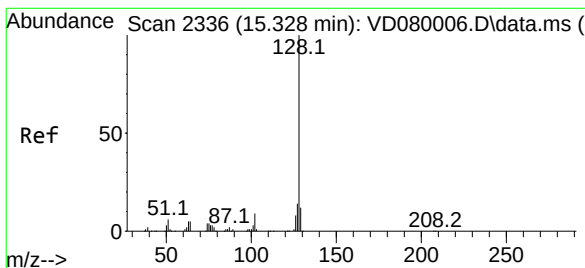
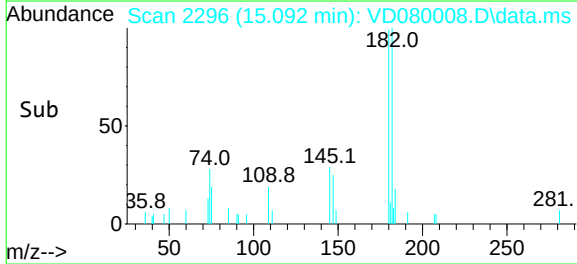
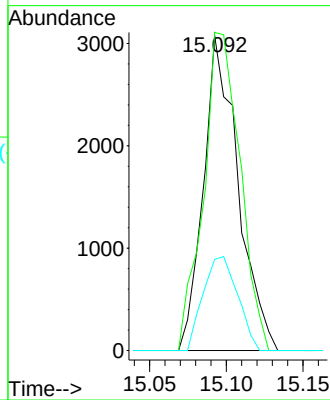
Tgt Ion:180 Resp: 4810

Ion Ratio Lower Upper

180 100

182 107.3 75.9 113.9

145 29.8 23.0 34.4



#71

Naphthalene

Concen: 1.327 ug/L

RT: 15.334 min Scan# 2337

Delta R.T. 0.006 min

Lab File: VD080008.D

Acq: 14 Nov 2024 12:37

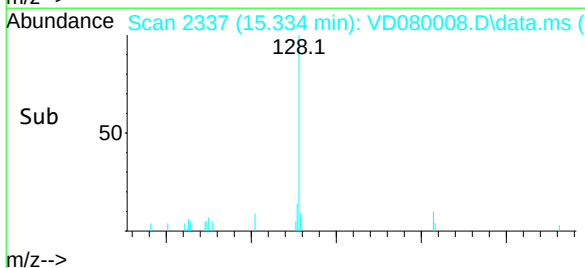
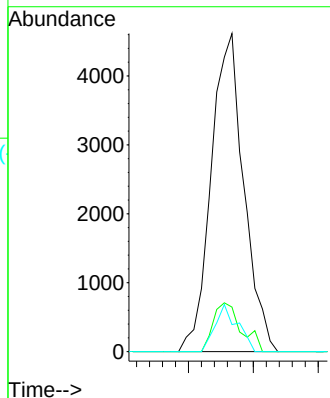
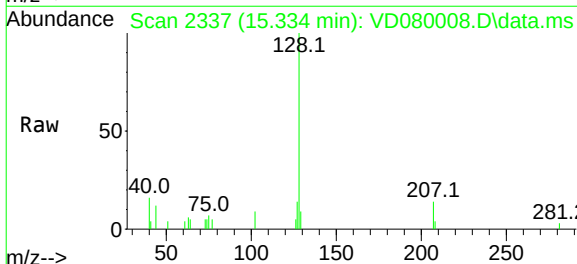
Tgt Ion:128 Resp: 8095

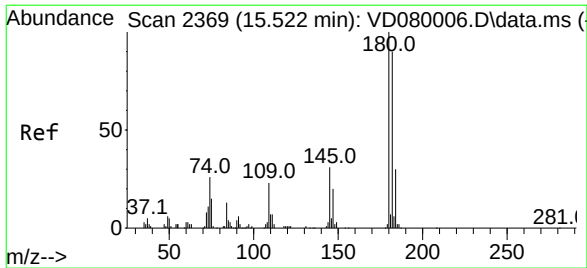
Ion Ratio Lower Upper

128 100

127 11.7 11.0 16.6

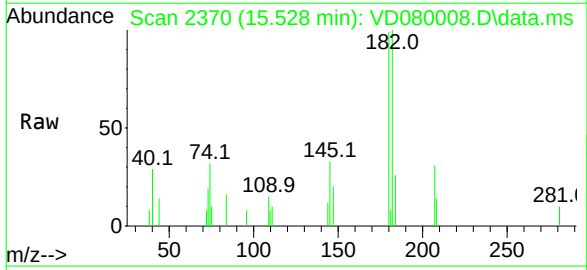
129 10.2 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 1.327 ug/L
 RT: 15.528 min Scan# 23
 Delta R.T. 0.006 min
 Lab File: VD080008.D
 Acq: 14 Nov 2024 12:37

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2024-08



Tgt Ion:	180	Resp:	4185
Ion Ratio	Lower	Upper	
180	100		
182	97.4	75.8	113.8
145	28.0	24.9	37.3

