

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
 Data File : VD080282.D
 Acq On : 18 Mar 2025 16:15
 Operator : RP/MD
 Sample : Q1546-03
 Misc : 5.00g/10ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2025-01

Quant Time: Mar 24 11:18:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Mar 24 09:47:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	175429	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	173596	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	76930	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	128036	22.16	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	88.64%		
7) Chloroethane-d5	2.799	69	117708	22.87	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	91.48%		
11) 1,1-Dichloroethene-d2	3.916	65	29023	23.90	ug/L	0.01
Spiked Amount 25.000	Range 45 - 110		Recovery =	95.60%		
21) 2-Butanone-d5	6.987	46	32141	53.01	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	106.02%		
24) Chloroform-d	7.569	84	136399	25.21	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	100.84%		
26) 1,2-Dichloroethane-d4	8.228	65	78942	26.70	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	106.80%		
32) Benzene-d6	8.204	84	269611	26.58	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	106.32%		
36) 1,2-Dichloropropane-d6	9.210	67	92143	28.16	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	112.64%		
41) Toluene-d8	10.269	98	244179	26.67	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	106.68%		
43) trans-1,3-Dichloroprop...	10.522	79	35772	26.56	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	106.24%		
47) 2-Hexanone-d5	10.875	63	24582	51.92	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	103.84%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	73340	25.22	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	100.88%		
66) 1,2-Dichlorobenzene-d4	13.810	152	77496	28.76	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	115.04%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	3900	1.20	ug/L	97
3) Chloromethane	2.152	50	6081	1.15	ug/L	92
5) Vinyl chloride	2.281	62	8013	1.17	ug/L #	59
6) Bromomethane	2.693	94	4397	1.23	ug/L	84
8) Chloroethane	2.834	64	4887	1.06	ug/L	86
9) Trichlorofluoromethane	3.169	101	6082	1.19	ug/L	98
12) 1,1-Dichloroethene	3.940	96	3370	1.31	ug/L #	1
13) Acetone	4.028	43	1694	2.60	ug/L	58
14) Carbon disulfide	4.269	76	10606	1.11	ug/L #	79
15) Methyl Acetate	4.563	43	848	0.62	ug/L	94
16) Methylene chloride	4.804	84	7585	2.21	ug/L	90
17) trans-1,2-Dichloroethene	5.310	96	2461	0.89	ug/L	91
18) Methyl tert-butyl Ether	5.316	73	3092	0.53	ug/L #	83
19) 1,1-Dichloroethane	6.104	63	1197	0.22	ug/L #	88
20) cis-1,2-Dichloroethene	7.069	96	1583	0.53	ug/L	86
22) 2-Butanone	7.093	43	1308	1.60	ug/L	86
23) Bromochloromethane	7.422	128	1600	1.12	ug/L #	86
25) Chloroform	7.593	83	18003	3.08	ug/L	99
27) 1,2-Dichloroethane	8.334	62	4225	1.16	ug/L #	63

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 Quant Title : SFAM01.0
 QLast Update : Mon Mar 24 09:47:37 2025
 Response via : Initial Calibration

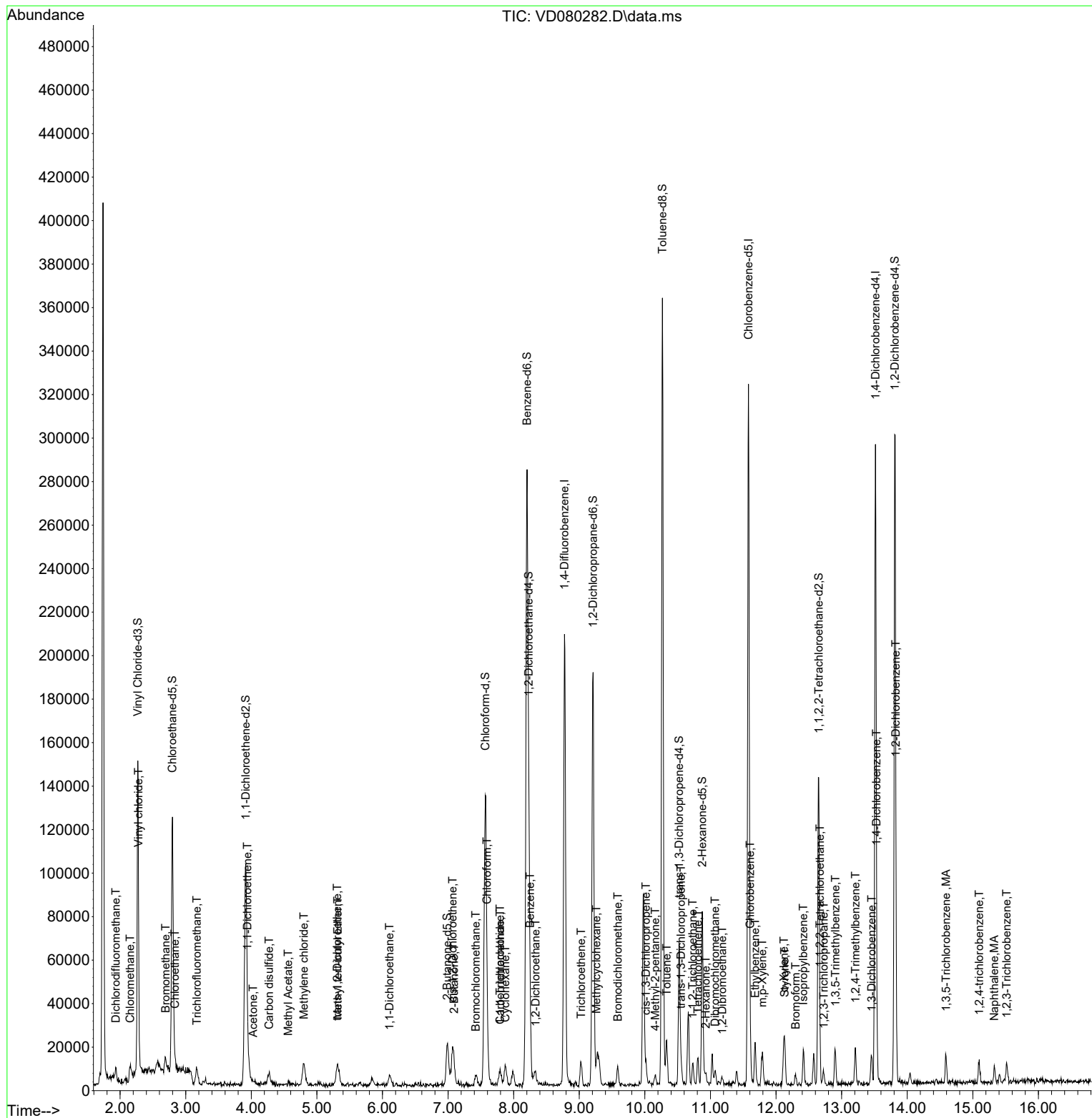
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.875	56	3983	0.97	ug/L #	83
30) 1,1,1-Trichloroethane	7.793	97	4865	1.07	ug/L	92
31) Carbon tetrachloride	7.793	117	508	0.13	ug/L	100
33) Benzene	8.251	78	12977	1.15	ug/L	100
34) Trichloroethene	9.028	95	3330	1.11	ug/L	88
35) Methylcyclohexane	9.263	83	4287	1.00	ug/L #	84
38) Bromodichloromethane	9.587	83	4300	1.04	ug/L	81
39) cis-1,3-Dichloropropene	10.016	75	4316	0.91	ug/L	86
40) 4-Methyl-2-pentanone	10.157	43	3468	2.00	ug/L #	96
42) Toluene	10.334	91	13182	1.09	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	6390	1.61	ug/L	98
45) 1,1,2-Trichloroethane	10.728	97	2774	1.13	ug/L	94
46) Tetrachloroethene	10.810	164	2668	1.14	ug/L	93
48) 2-Hexanone	10.928	43	2486	1.98	ug/L #	93
49) Dibromochloromethane	11.069	129	1937	0.70	ug/L #	72
50) 1,2-Dibromoethane	11.181	107	2565	1.18	ug/L #	100
51) Chlorobenzene	11.604	112	8504	1.07	ug/L	97
52) Ethylbenzene	11.681	91	12290	0.94	ug/L	96
53) m,p-Xylene	11.792	106	4362	0.90	ug/L	90
54) o-Xylene	12.122	106	4022	0.87	ug/L	89
55) Styrene	12.133	104	6870	0.82	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.669	83	3712	1.25	ug/L #	82
59) Bromoform	12.298	173	1893	1.33	ug/L #	90
60) Isopropylbenzene	12.416	105	9238	0.89	ug/L #	92
61) 1,2,3-Trichloropropane	12.728	75	2263	1.33	ug/L #	81
62) 1,3,5-Trimethylbenzene	12.904	105	7782	0.95	ug/L	92
63) 1,2,4-Trimethylbenzene	13.210	105	7631	0.92	ug/L	96
64) 1,3-Dichlorobenzene	13.457	146	5744	1.11	ug/L	90
65) 1,4-Dichlorobenzene	13.533	146	6290	1.13	ug/L	93
67) 1,2-Dichlorobenzene	13.827	146	5892	1.23	ug/L	93
69) 1,3,5-Trichlorobenzene	14.592	180	4340	1.27	ug/L	93
70) 1,2,4-trichlorobenzene	15.098	180	3169	1.12	ug/L #	94
71) Naphthalene	15.327	128	6304	1.18	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.516	180	3137	1.23	ug/L	92

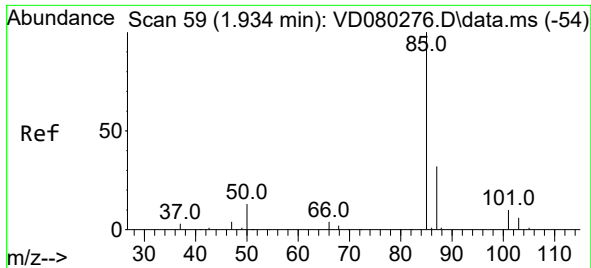
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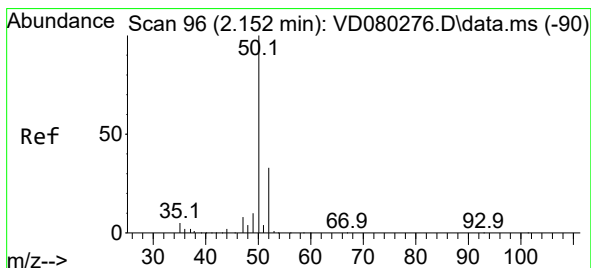
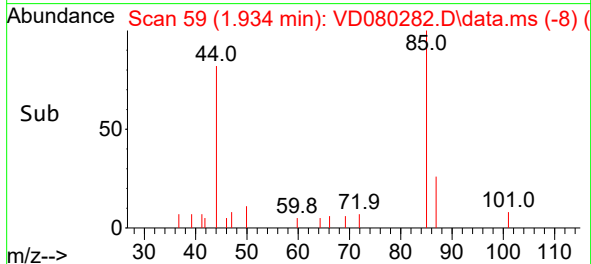
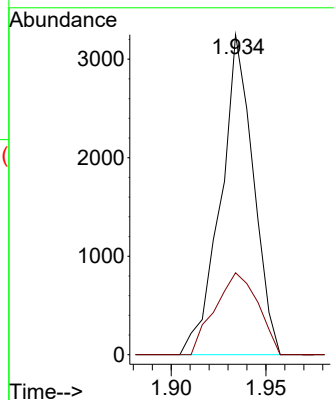
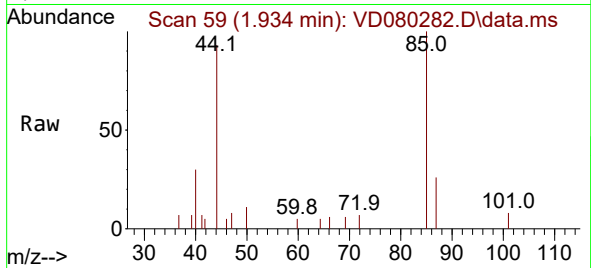




#2
Dichlorodifluoromethane
Concen: 1.20 ug/L
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

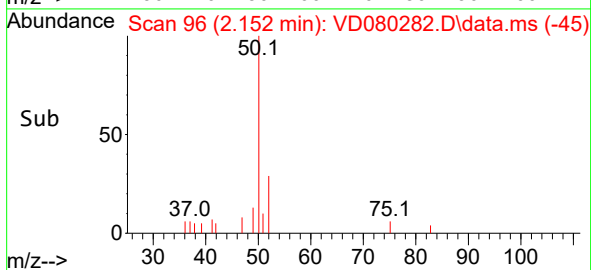
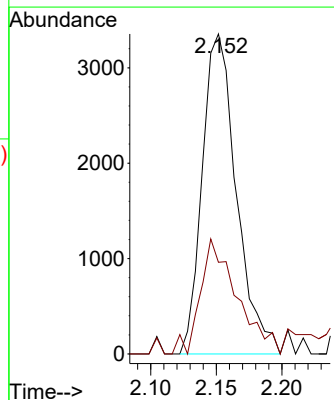
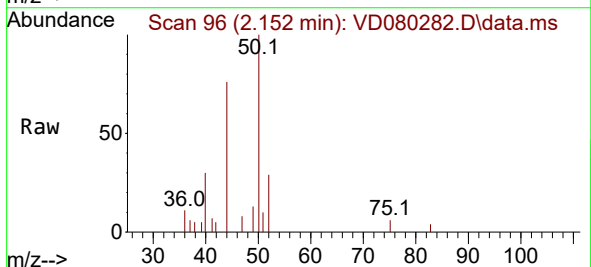
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MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-01

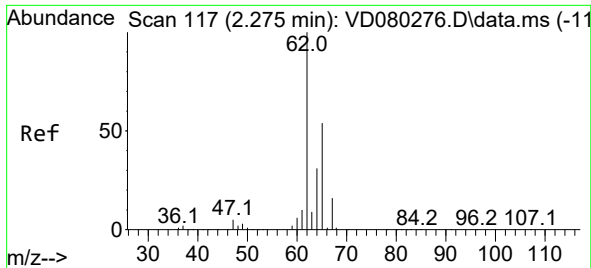
Tgt Ion: 85 Resp: 3900
Ion Ratio Lower Upper
85 100
87 33.7 25.6 38.4



#3
Chloromethane
Concen: 1.15 ug/L
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

Tgt Ion: 50 Resp: 6081
Ion Ratio Lower Upper
50 100
52 28.6 23.1 42.9

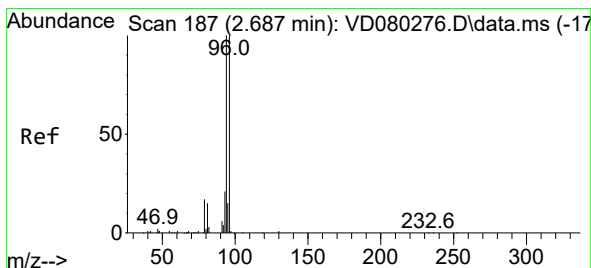
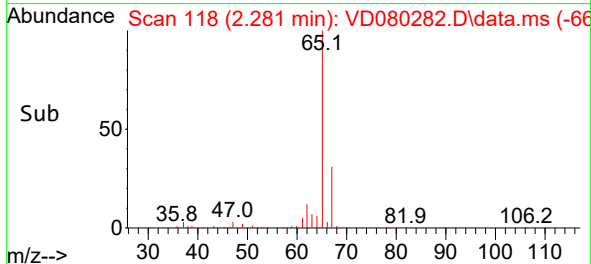
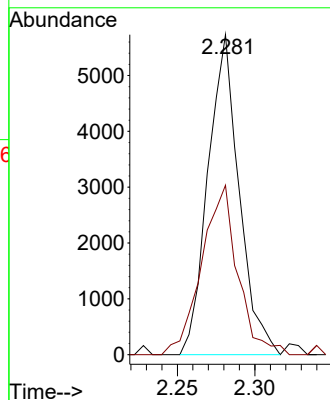
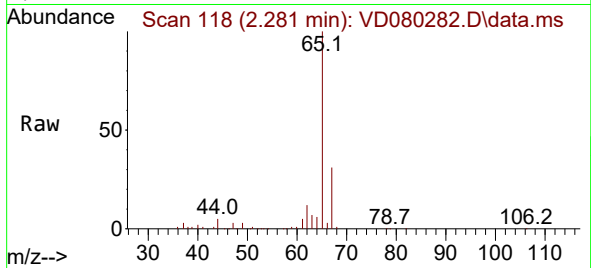




#5
 Vinyl chloride
 Concen: 1.17 ug/L
 RT: 2.281 min Scan# 117
 Delta R.T. 0.006 min
 Lab File: VD080282.D
 Acq: 18 Mar 2025 16:15

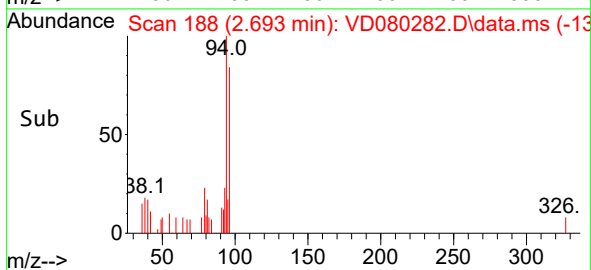
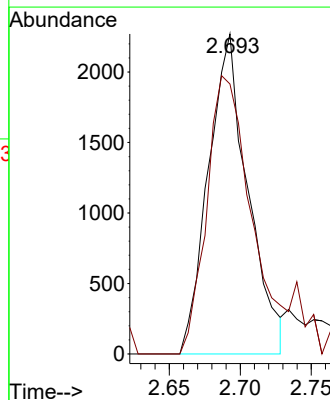
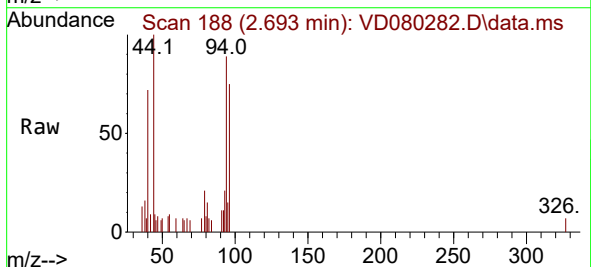
Instrument :
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 ClientSampleId :
 MDL-SOIL-QT1-2025-01

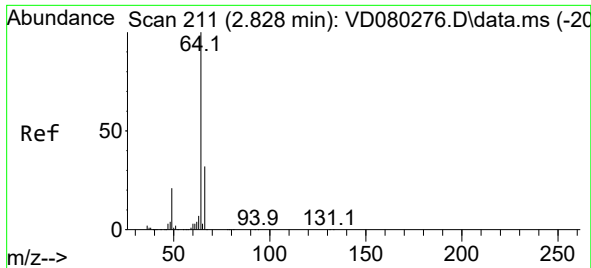
Tgt Ion: 62 Resp: 8013
 Ion Ratio Lower Upper
 62 100
 64 52.9 21.3 39.6#



#6
 Bromomethane
 Concen: 1.23 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.006 min
 Lab File: VD080282.D
 Acq: 18 Mar 2025 16:15

Tgt Ion: 94 Resp: 4397
 Ion Ratio Lower Upper
 94 100
 96 84.4 70.3 130.5





#8

Chloroethane

Concen: 1.06 ug/L

RT: 2.834 min Scan# 211

Delta R.T. 0.006 min

Lab File: VD080282.D

Acq: 18 Mar 2025 16:15

Instrument :

MSVOA_D

ClientSampleId :

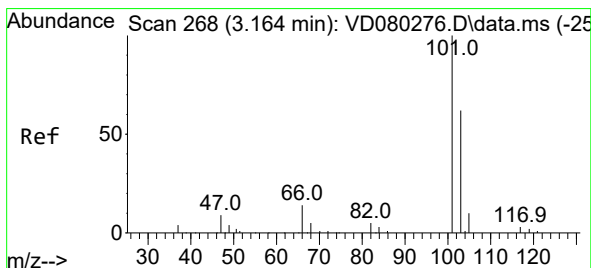
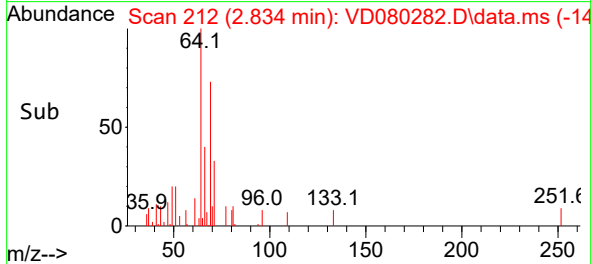
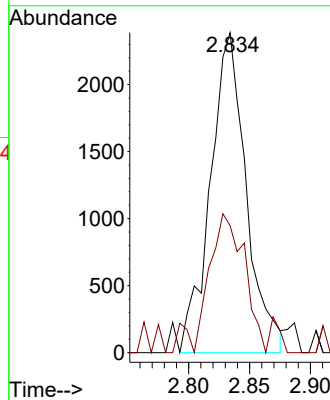
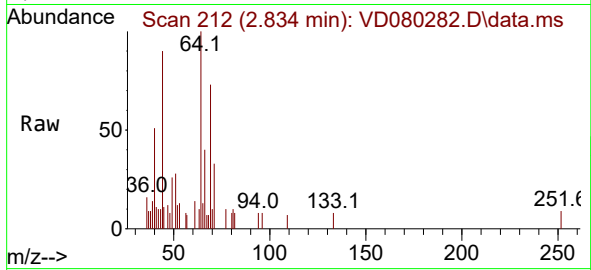
MDL-SOIL-QT1-2025-01

Tgt Ion: 64 Resp: 4887

Ion Ratio Lower Upper

64 100

66 39.7 22.3 41.3



#9

Trichlorofluoromethane

Concen: 1.19 ug/L

RT: 3.169 min Scan# 269

Delta R.T. 0.005 min

Lab File: VD080282.D

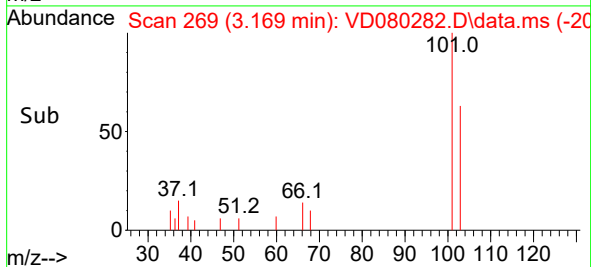
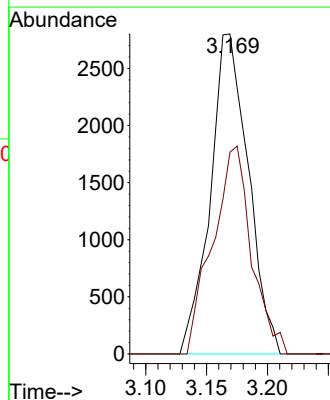
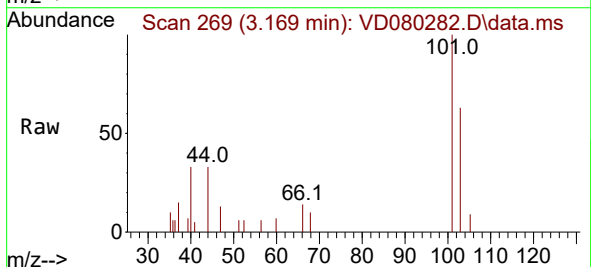
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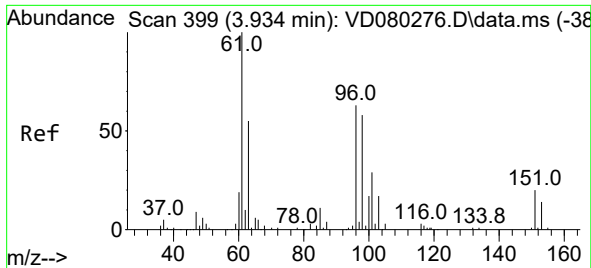
Tgt Ion:101 Resp: 6082

Ion Ratio Lower Upper

101 100

103 66.5 52.0 78.0

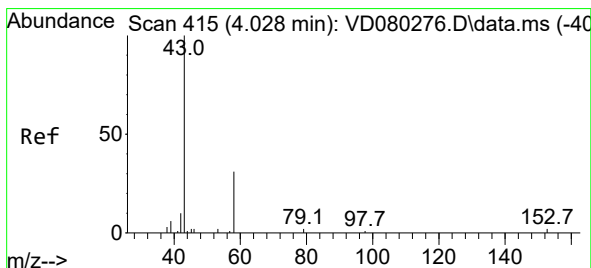
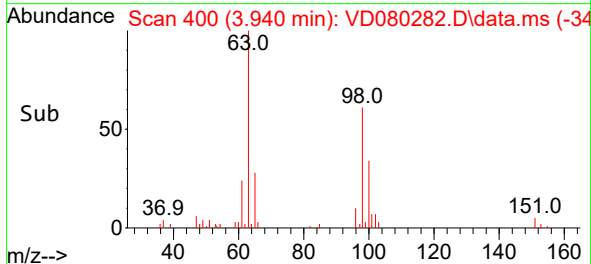
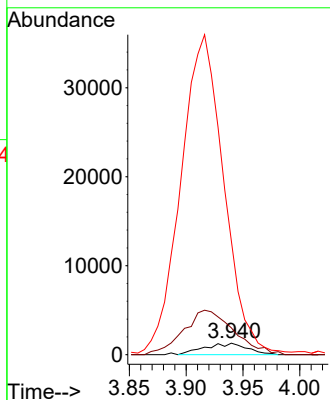
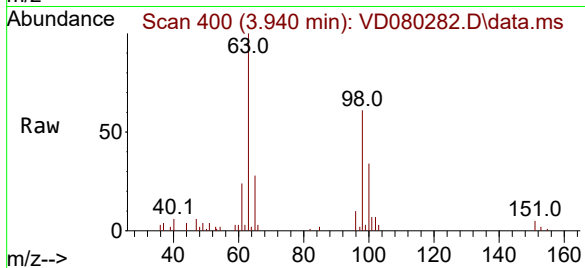




#12
1,1-Dichloroethene
Concen: 1.31 ug/L
RT: 3.940 min Scan# 400
Delta R.T. 0.006 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

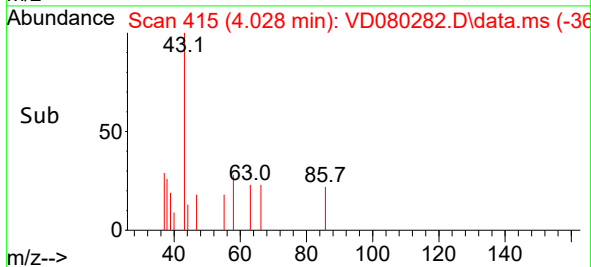
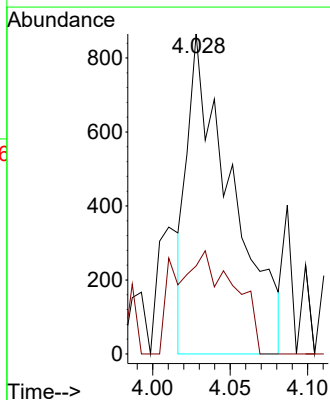
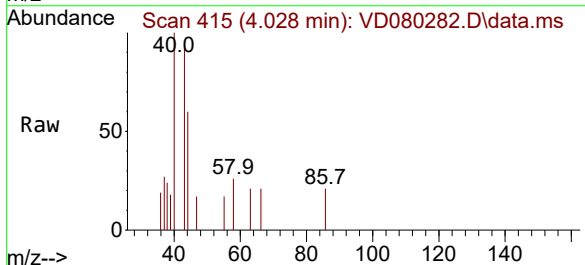
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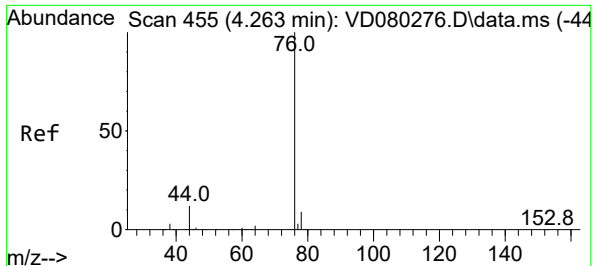
Tgt Ion: 96 Resp: 3370
Ion Ratio Lower Upper
96 100
61 232.9 112.5 208.9#
63 990.4 71.3 132.5#



#13
Acetone
Concen: 2.60 ug/L
RT: 4.028 min Scan# 415
Delta R.T. 0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

Tgt Ion: 43 Resp: 1694
Ion Ratio Lower Upper
43 100
58 9.0 0.0 65.2

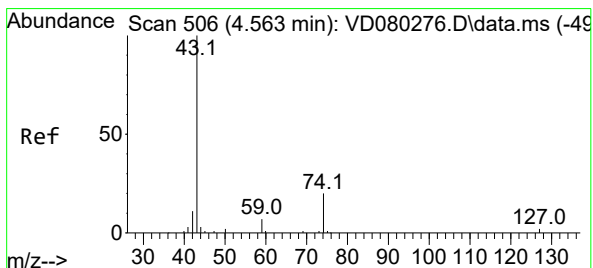
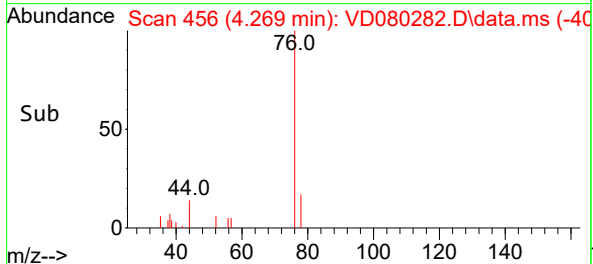
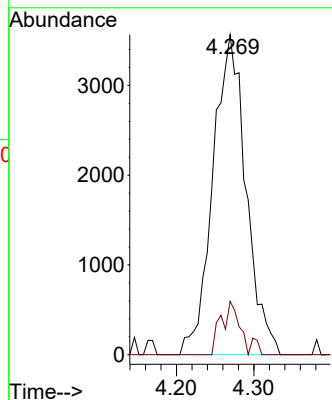
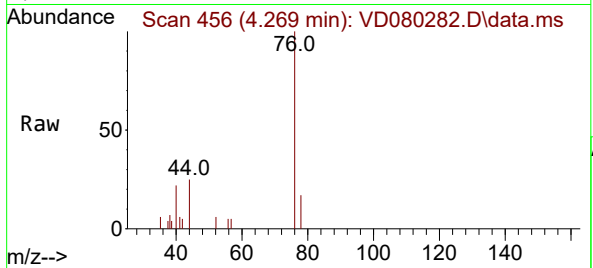




#14
Carbon disulfide
Concen: 1.11 ug/L
RT: 4.269 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

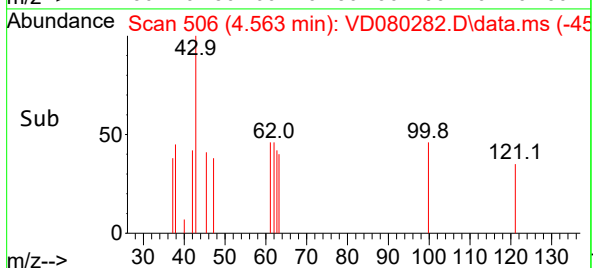
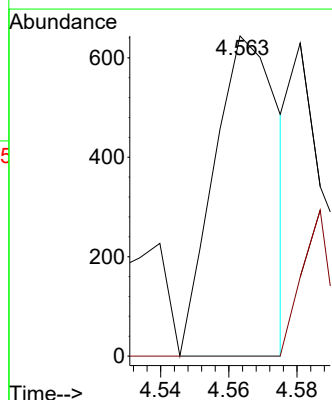
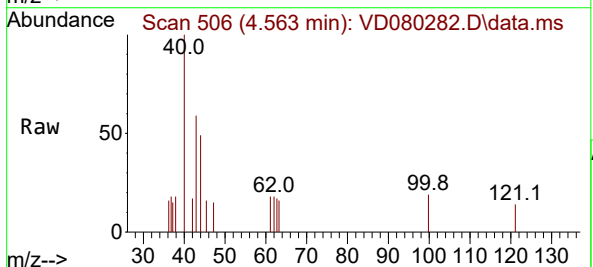
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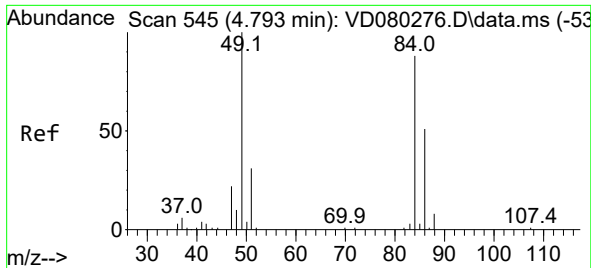
Tgt Ion: 76 Resp: 10606
Ion Ratio Lower Upper
76 100
78 16.7 7.2 10.8#



#15
Methyl Acetate
Concen: 0.62 ug/L
RT: 4.563 min Scan# 506
Delta R.T. 0.000 min
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Tgt Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
74 18.9 17.2 25.8

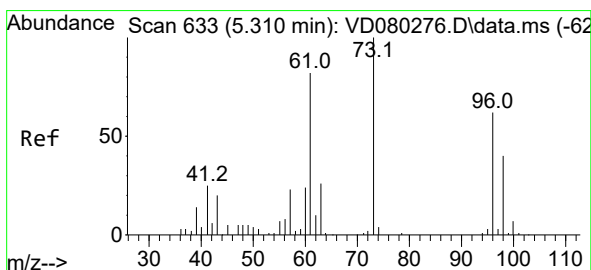
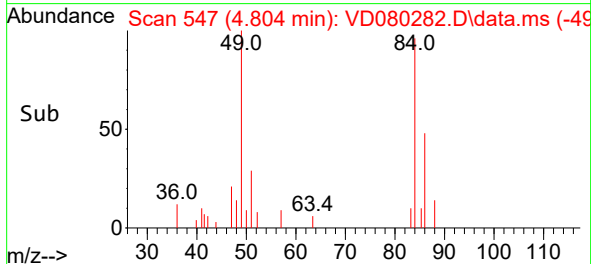
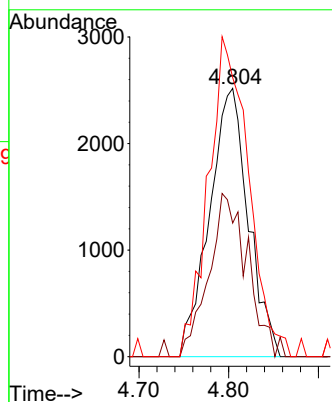
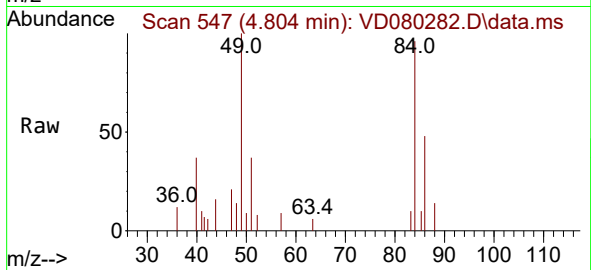




#16
Methylene chloride
Concen: 2.21 ug/L
RT: 4.804 min Scan# 545
Delta R.T. 0.011 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

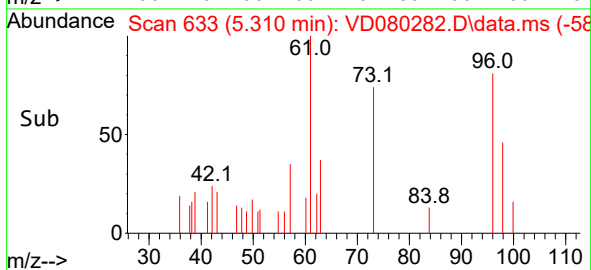
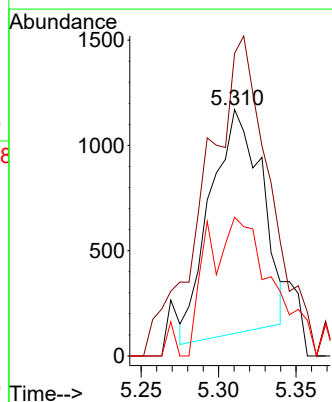
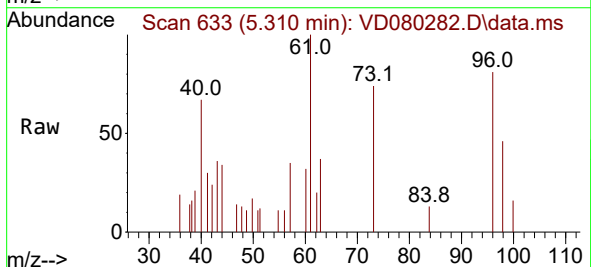
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-01

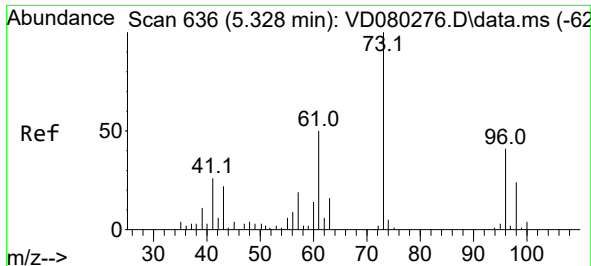
Tgt Ion: 84 Resp: 7585
Ion Ratio Lower Upper
84 100
86 49.8 40.9 75.9
49 104.0 79.7 147.9



#17
trans-1,2-Dichloroethene
Concen: 0.89 ug/L
RT: 5.310 min Scan# 633
Delta R.T. 0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

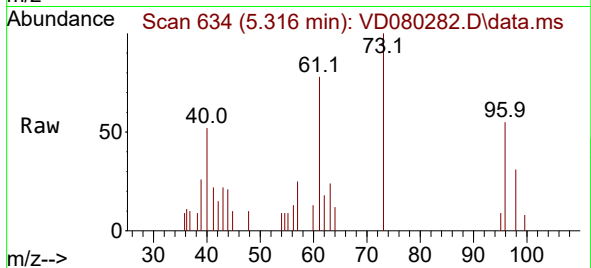
Tgt Ion: 96 Resp: 2461
Ion Ratio Lower Upper
96 100
61 122.8 92.4 171.6
98 56.3 45.1 83.7



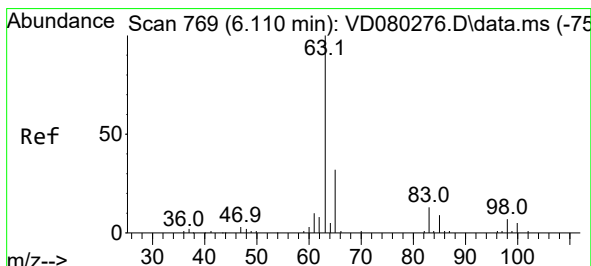
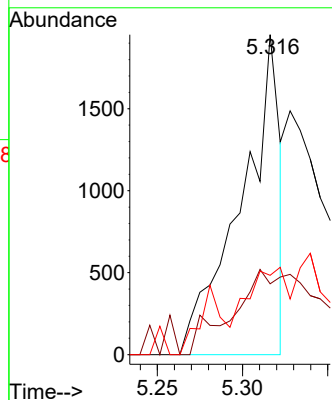
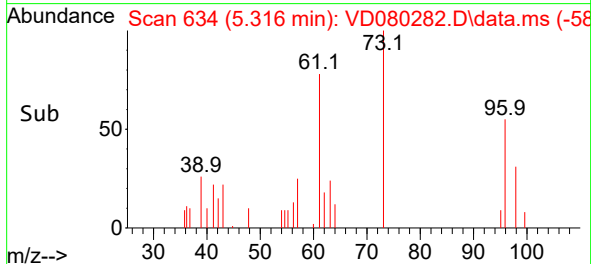


#18
Methyl tert-butyl Ether
Concen: 0.53 ug/L
RT: 5.316 min Scan# 61
Delta R.T. -0.012 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

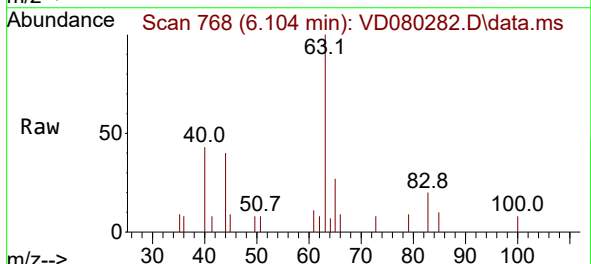
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-01



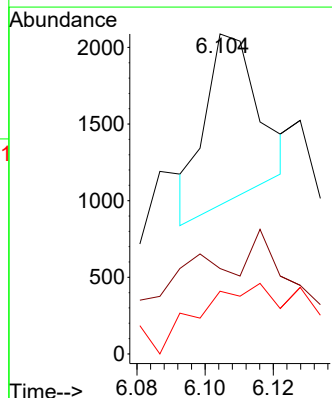
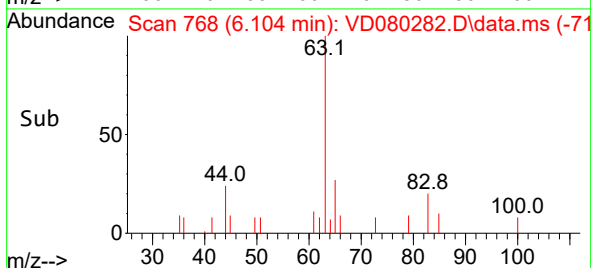
Tgt Ion: 73 Resp: 3092
Ion Ratio Lower Upper
73 100
43 10.8 17.2 25.8#
57 29.1 18.8 28.2#

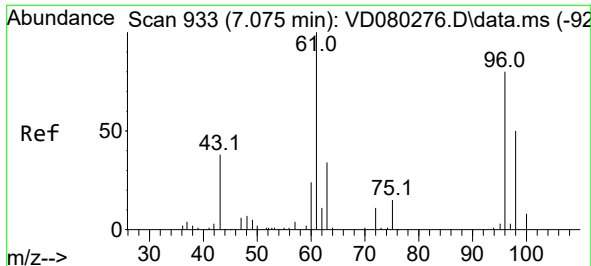


#19
1,1-Dichloroethane
Concen: 0.22 ug/L
RT: 6.104 min Scan# 768
Delta R.T. -0.006 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15



Tgt Ion: 63 Resp: 1197
Ion Ratio Lower Upper
63 100
65 26.7 22.4 41.6
83 19.6 8.8 16.3#



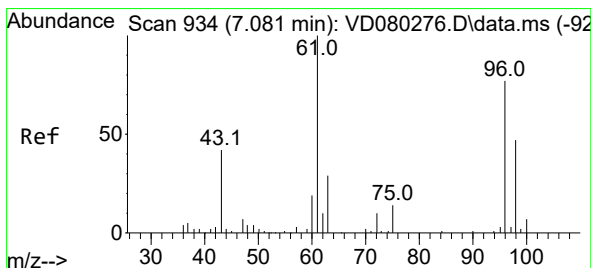
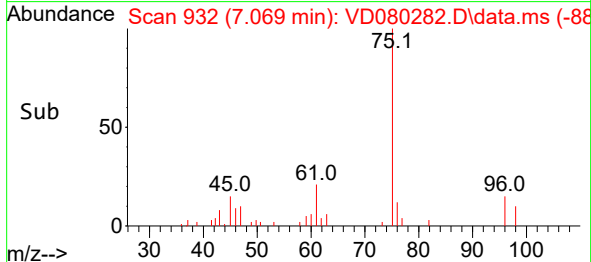
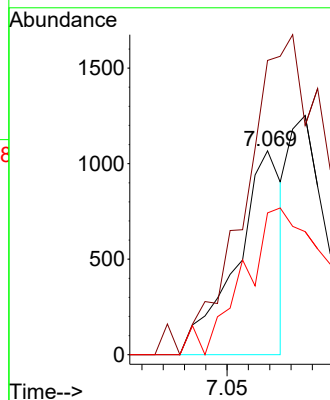
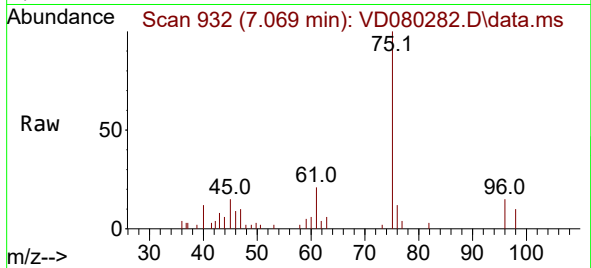


#20
 cis-1,2-Dichloroethene
 Concen: 0.53 ug/L
 RT: 7.069 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VD080282.D
 Acq: 18 Mar 2025 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2025-01

Tgt Ion: 96 Resp: 1583

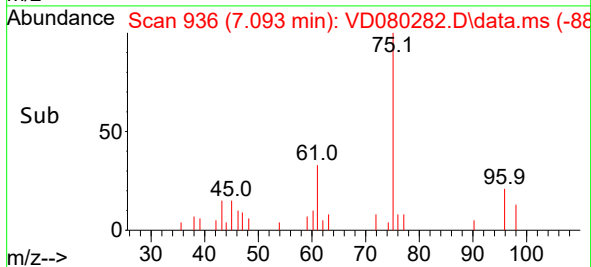
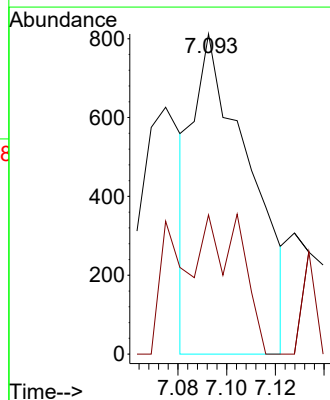
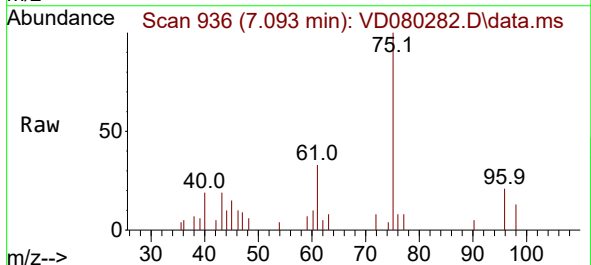
Ion	Ratio	Lower	Upper
96	100		
61	144.3	87.8	163.0
98	69.5	43.7	81.1

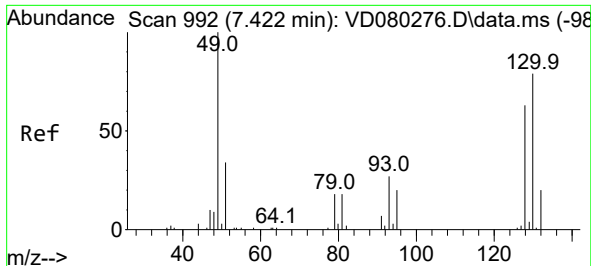


#22
 2-Butanone
 Concen: 1.60 ug/L
 RT: 7.093 min Scan# 936
 Delta R.T. 0.012 min
 Lab File: VD080282.D
 Acq: 18 Mar 2025 16:15

Tgt Ion: 43 Resp: 1308

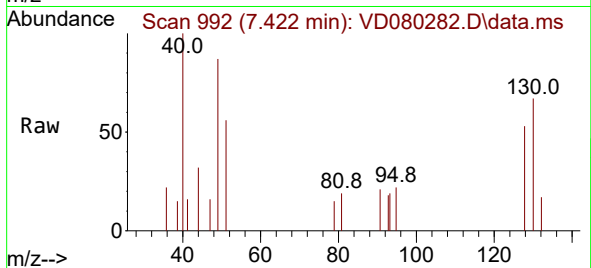
Ion	Ratio	Lower	Upper
43	100		
72	6.4	5.9	17.8



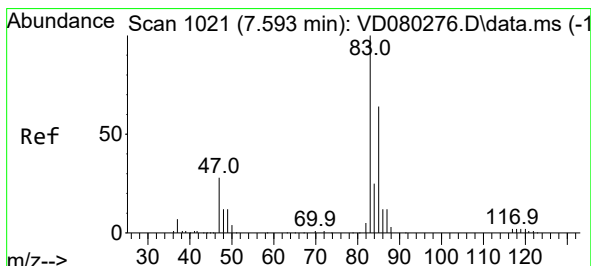
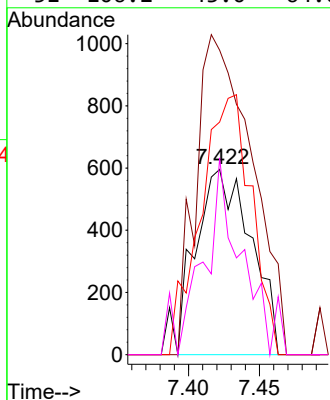
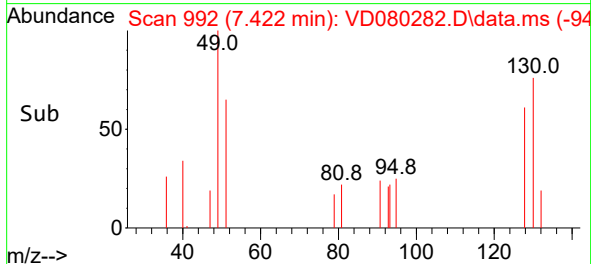


#23
Bromochloromethane
Concen: 1.12 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

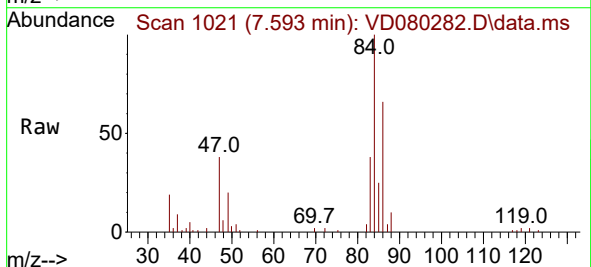
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-01



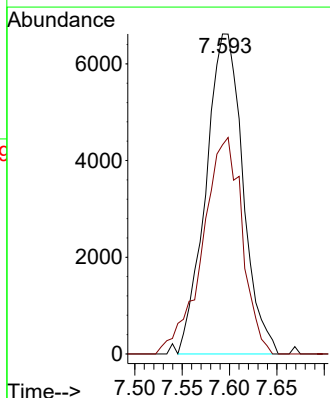
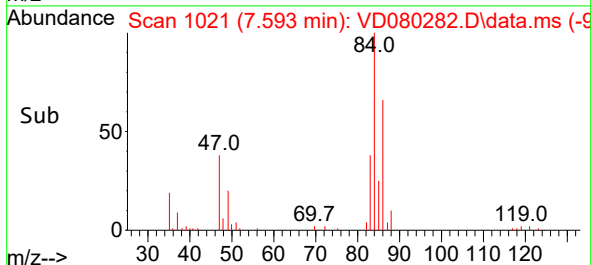
Tgt Ion	Ratio	Lower	Upper
128	100		
49	164.3	112.6	209.0
130	125.5	89.7	166.5
51	106.2	43.0	64.6

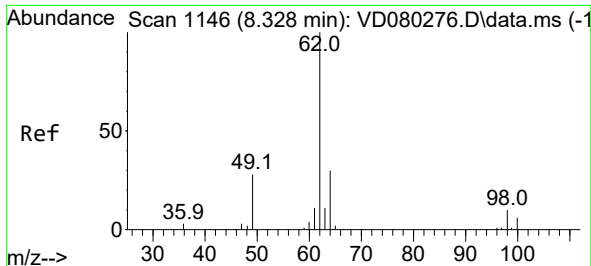


#25
Chloroform
Concen: 3.08 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15



Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	45.1	83.7





#27

1,2-Dichloroethane

Concen: 1.16 ug/L

RT: 8.334 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VD080282.D

Acq: 18 Mar 2025 16:15

Instrument :

MSVOA_D

ClientSampleId :

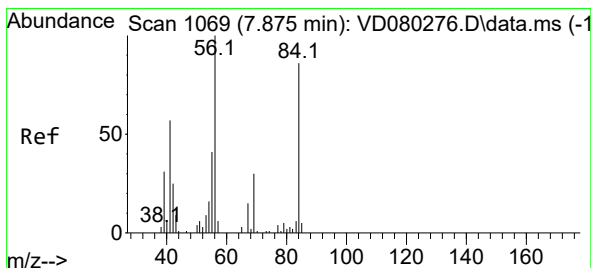
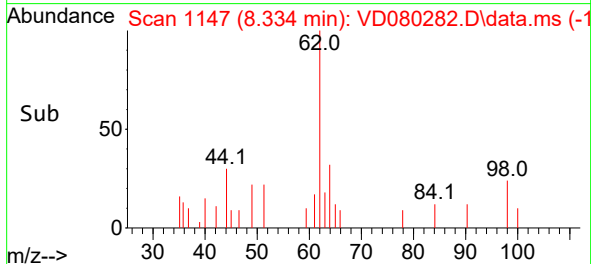
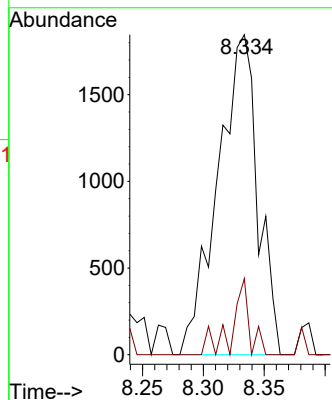
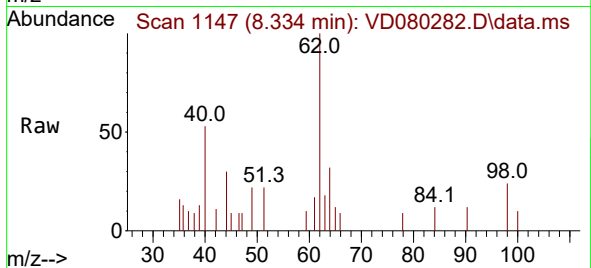
MDL-SOIL-QT1-2025-01

Tgt Ion: 62 Resp: 4225

Ion Ratio Lower Upper

62 100

98 23.8 8.2 12.2#



#29

Cyclohexane

Concen: 0.97 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD080282.D

Acq: 18 Mar 2025 16:15

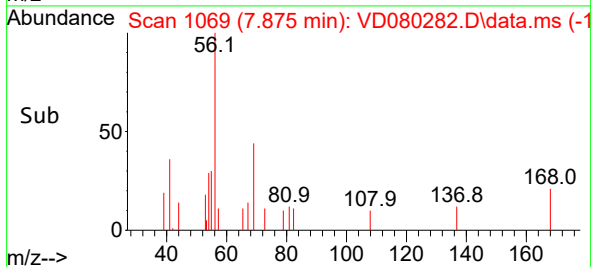
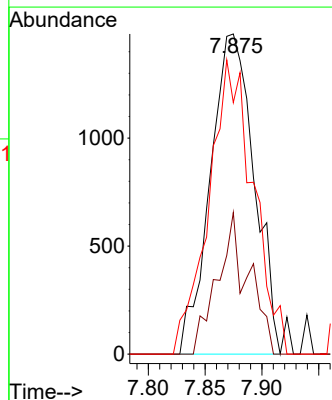
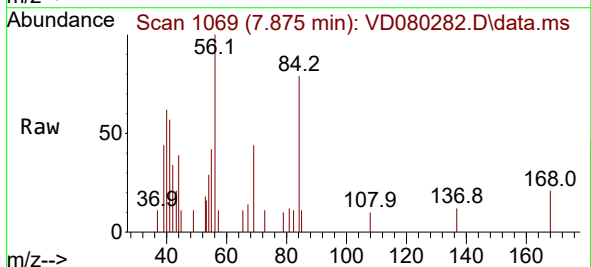
Tgt Ion: 56 Resp: 3983

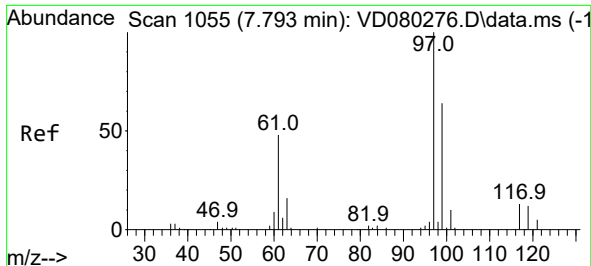
Ion Ratio Lower Upper

56 100

69 21.3 24.6 37.0#

84 73.6 71.4 107.2

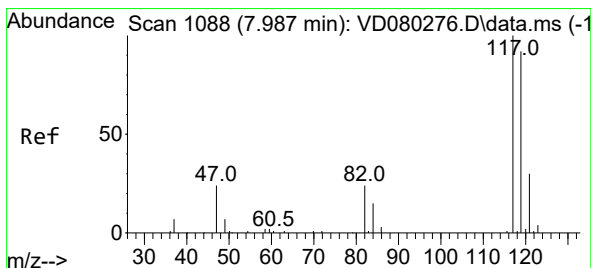
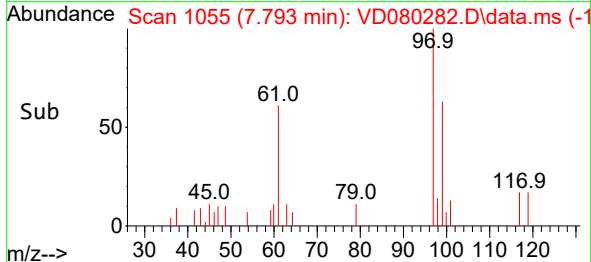
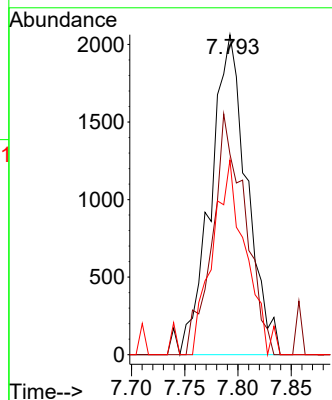
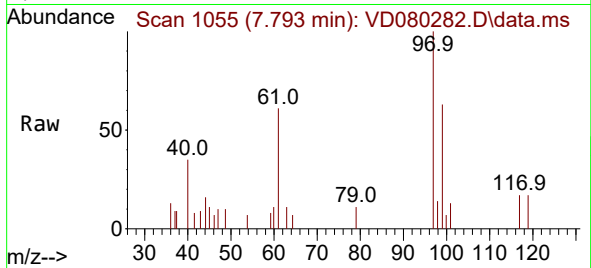




#30
1,1,1-Trichloroethane
Concen: 1.07 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

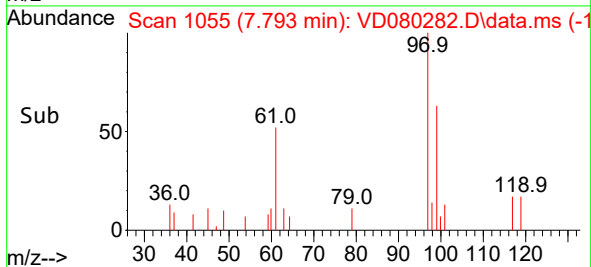
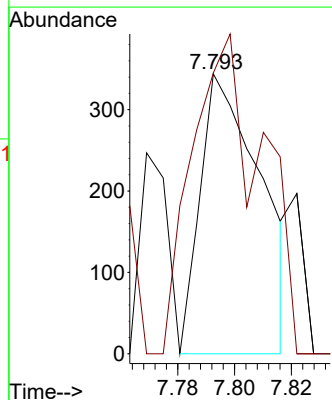
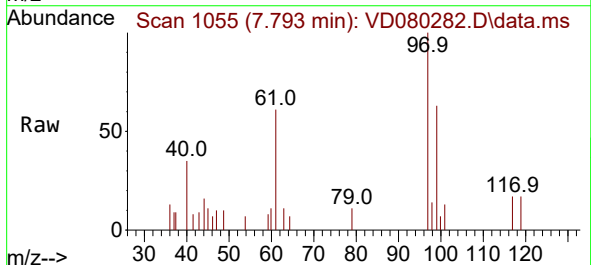
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-01

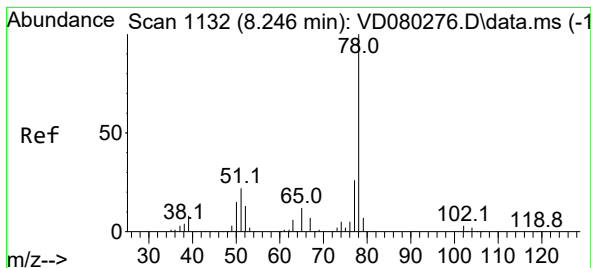
Tgt Ion: 97	Resp: 4865
Ion Ratio	Lower Upper
97	100
99	68.2 51.9 77.9
61	54.2 36.7 55.1



#31
Carbon tetrachloride
Concen: 0.13 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. -0.194 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

Tgt Ion: 117	Resp: 508
Ion Ratio	Lower Upper
117	100
119	95.5 76.0 114.0





#33

Benzene

Concen: 1.15 ug/L

RT: 8.251 min Scan# 1133

Delta R.T. 0.005 min

Lab File: VD080282.D

Acq: 18 Mar 2025 16:15

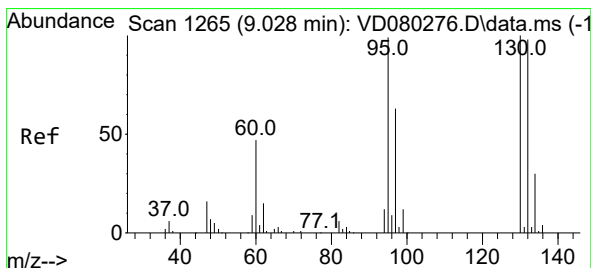
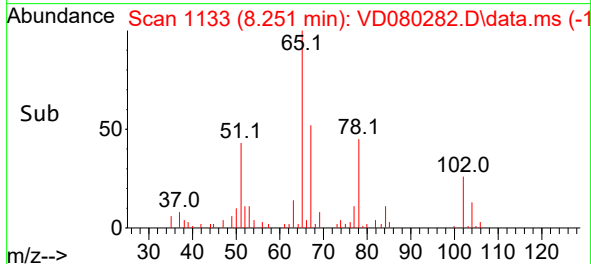
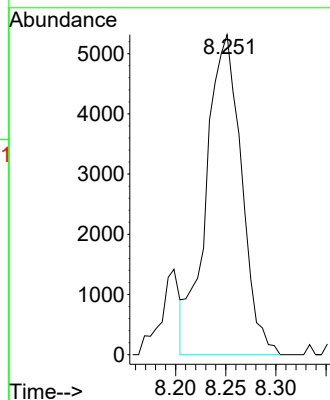
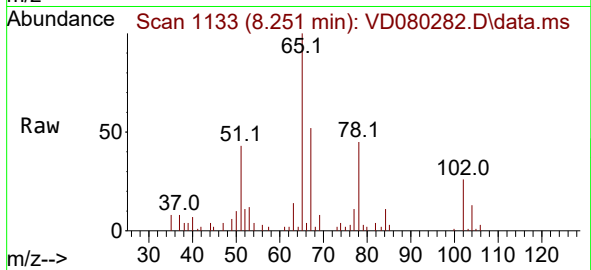
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2025-01

Tgt Ion: 78 Resp: 12977



#34

Trichloroethene

Concen: 1.11 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD080282.D

Acq: 18 Mar 2025 16:15

Tgt Ion: 95 Resp: 3330

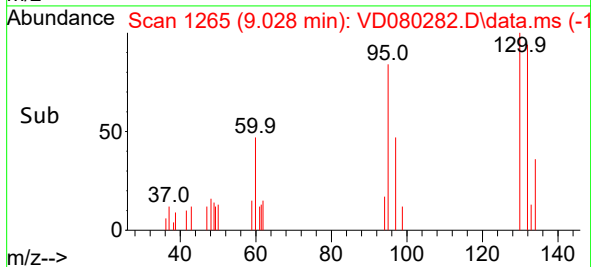
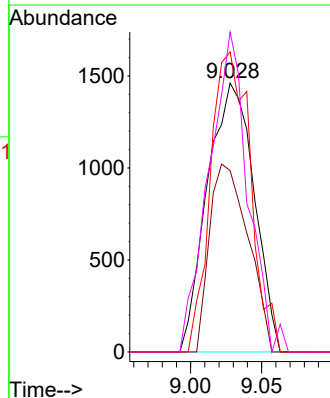
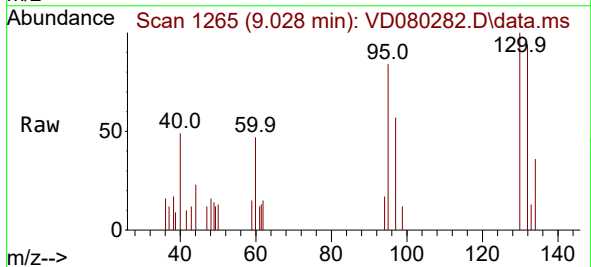
Ion Ratio Lower Upper

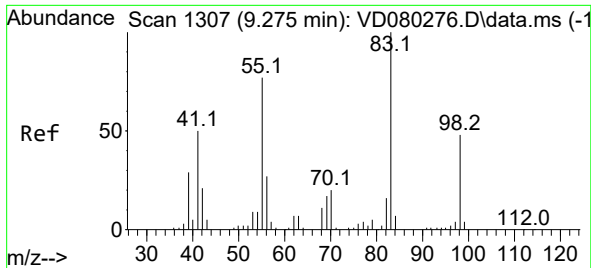
95 100

97 67.5 45.1 83.7

132 111.6 69.5 129.1

130 119.0 71.0 131.8

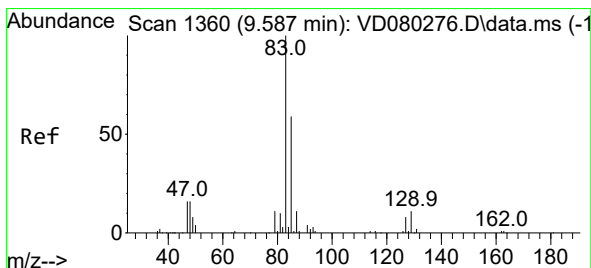
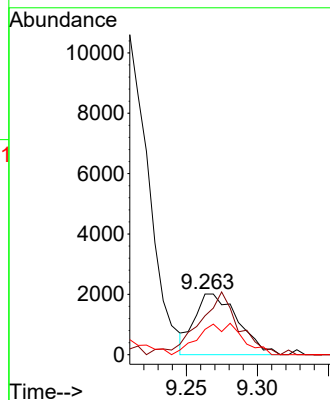
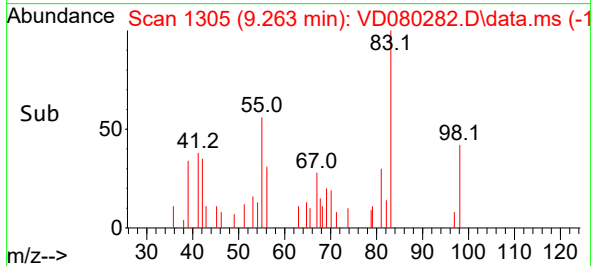
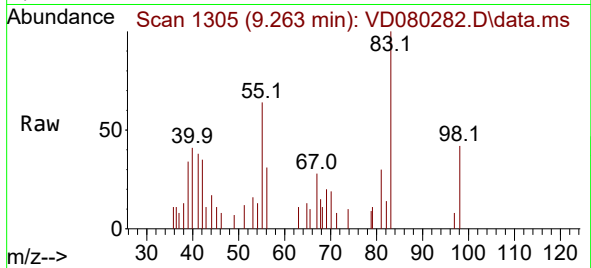




#35
Methylcyclohexane
Concen: 1.00 ug/L
RT: 9.263 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

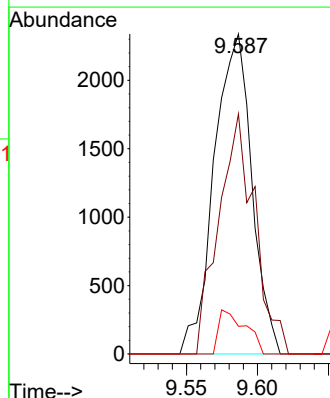
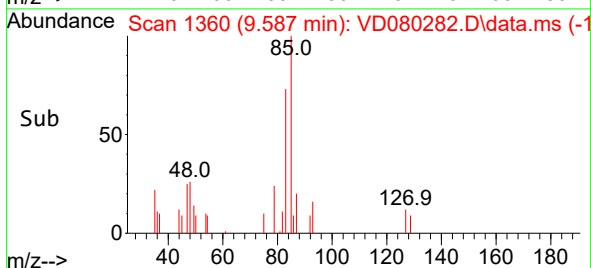
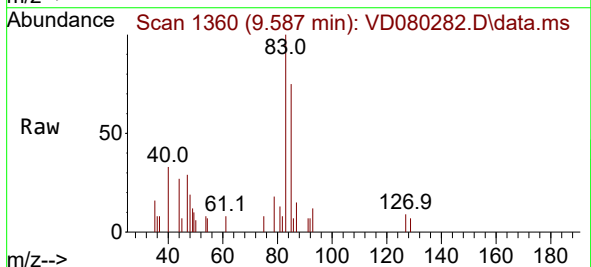
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-01

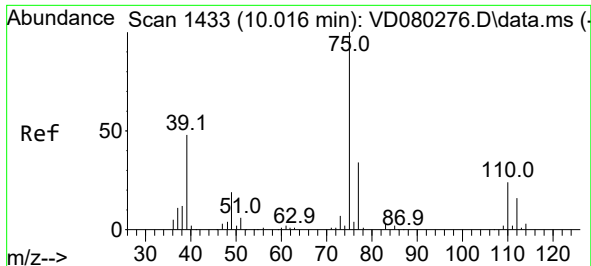
Tgt Ion: 83 Resp: 4287
Ion Ratio Lower Upper
83 100
55 89.4 65.0 97.6
98 29.8 39.0 58.6#



#38
Bromodichloromethane
Concen: 1.04 ug/L
RT: 9.587 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

Tgt Ion: 83 Resp: 4300
Ion Ratio Lower Upper
83 100
85 75.0 41.4 77.0
127 8.6 6.6 10.0

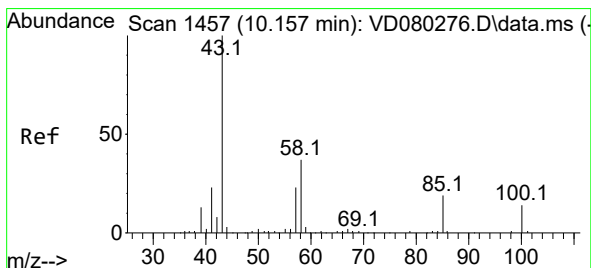
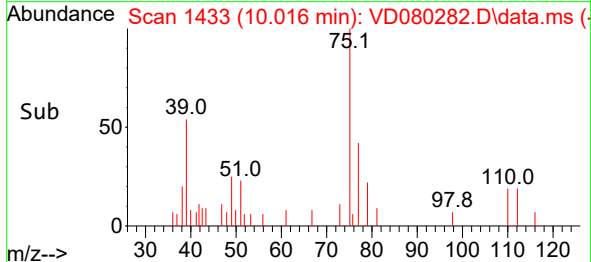
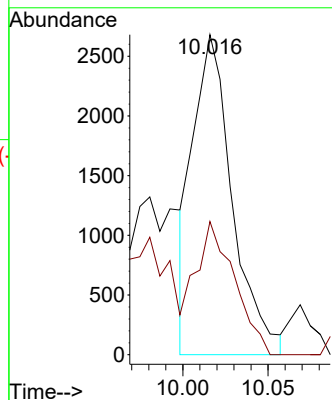
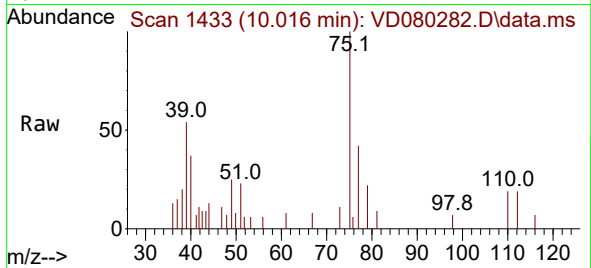




#39
 cis-1,3-Dichloropropene
 Concen: 0.91 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. -0.000 min
 Lab File: VD080282.D
 Acq: 18 Mar 2025 16:15

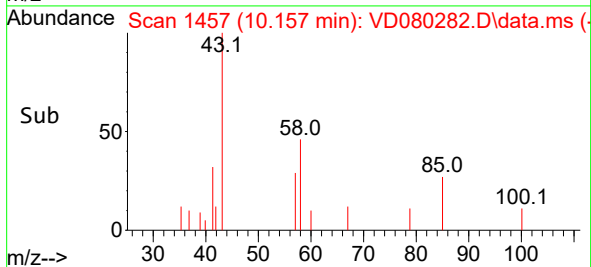
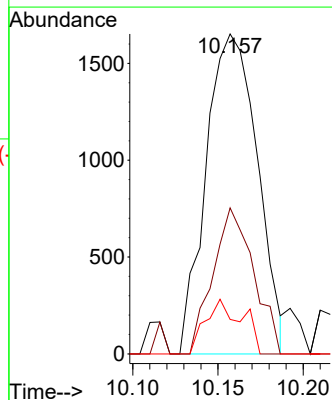
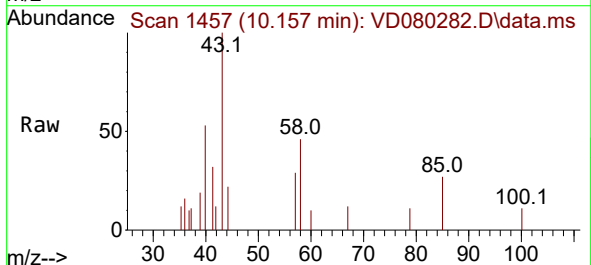
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2025-01

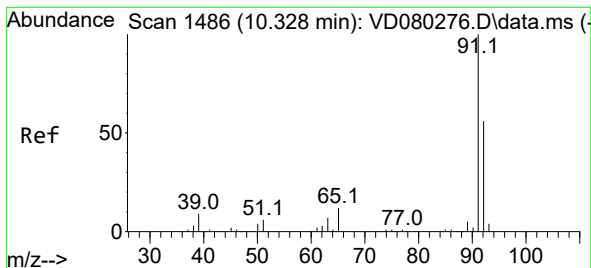
Tgt Ion: 75 Resp: 4316
 Ion Ratio Lower Upper
 75 100
 77 41.6 23.7 43.9



#40
 4-Methyl-2-pentanone
 Concen: 2.00 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. 0.000 min
 Lab File: VD080282.D
 Acq: 18 Mar 2025 16:15

Tgt Ion: 43 Resp: 3468
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.9 44.9
 100 9.8 11.3 16.9#





#42

Toluene

Concen: 1.09 ug/L

RT: 10.334 min Scan# 1486

Delta R.T. 0.006 min

Lab File: VD080282.D

Acq: 18 Mar 2025 16:15

Instrument :

MSVOA_D

ClientSampleId :

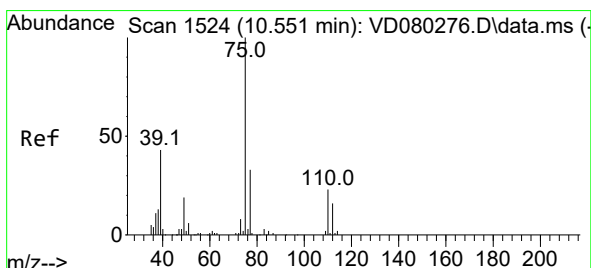
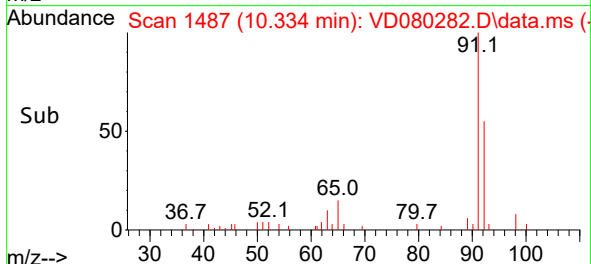
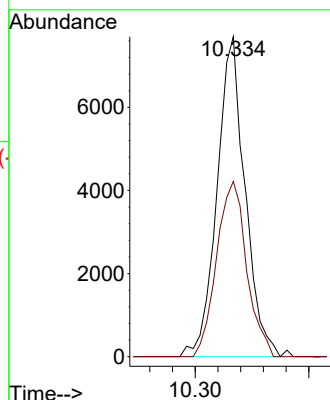
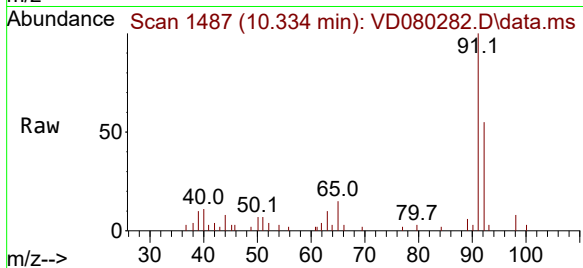
MDL-SOIL-QT1-2025-01

Tgt Ion: 91 Resp: 13182

Ion Ratio Lower Upper

91 100

92 54.8 38.9 72.3



#44

trans-1,3-Dichloropropene

Concen: 1.61 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD080282.D

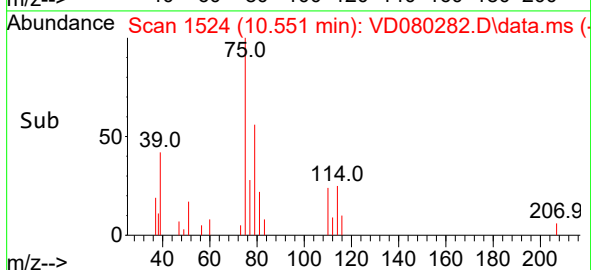
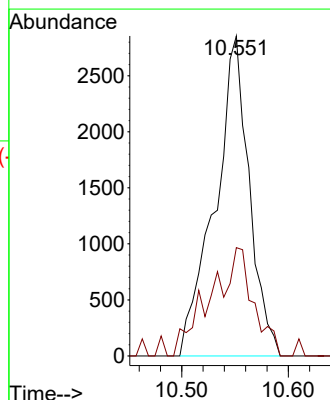
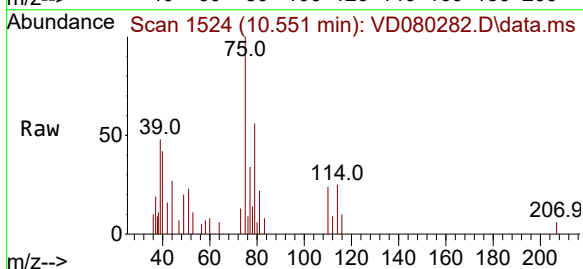
Acq: 18 Mar 2025 16:15

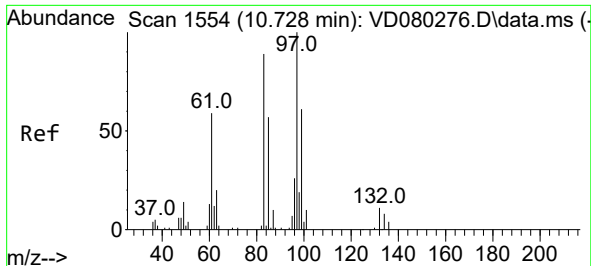
Tgt Ion: 75 Resp: 6390

Ion Ratio Lower Upper

75 100

77 33.8 22.9 42.5

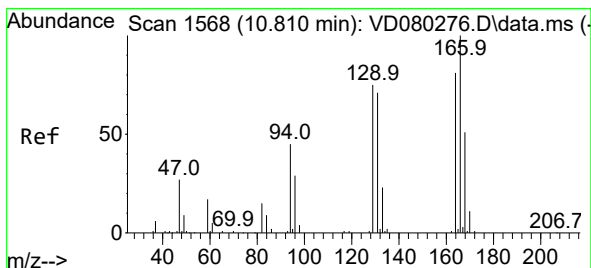
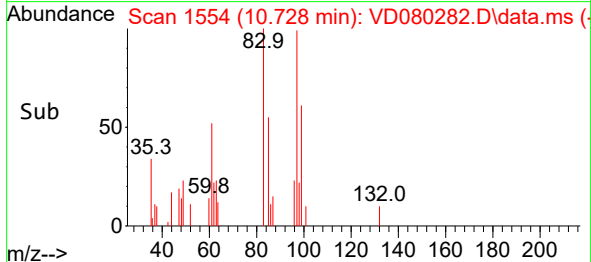
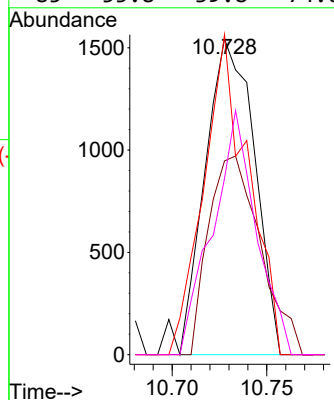
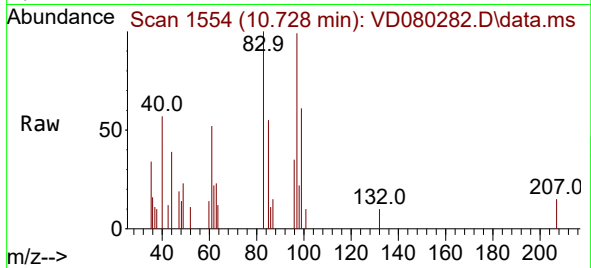




#45
1,1,2-Trichloroethane
Concen: 1.13 ug/L
RT: 10.728 min Scan# 1554
Delta R.T. -0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

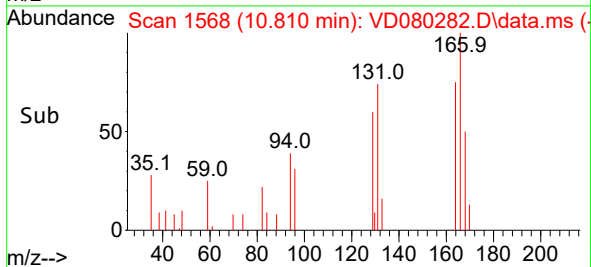
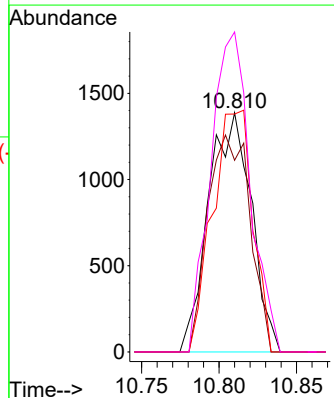
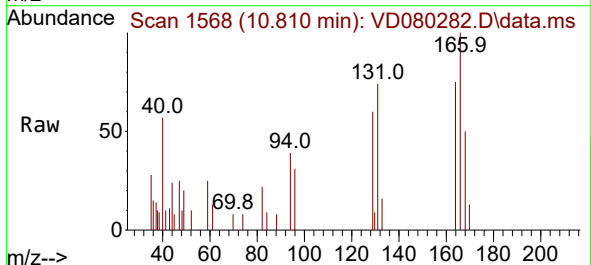
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2025-01

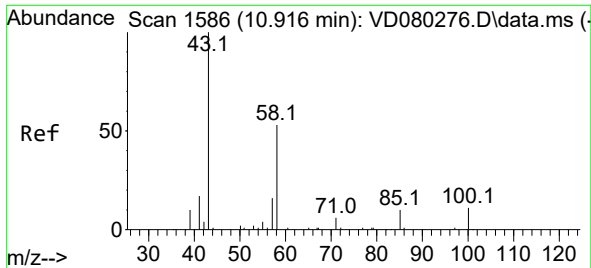
Tgt Ion: 97	Resp: 2774
Ion Ratio	Lower Upper
97 100	
99 61.3	43.0 79.8
83 101.3	62.2 115.4
85 55.8	39.8 74.0



#46
Tetrachloroethene
Concen: 1.14 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

Tgt	Ion:164	Resp:	2668
Ion	Ratio	Lower	Upper
164	100		
129	92.4	64.9	120.5
131	99.5	61.5	114.3
166	133.8	86.5	160.7

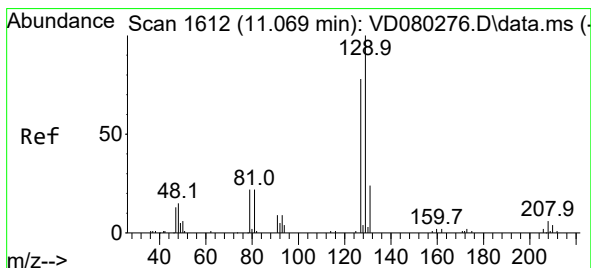
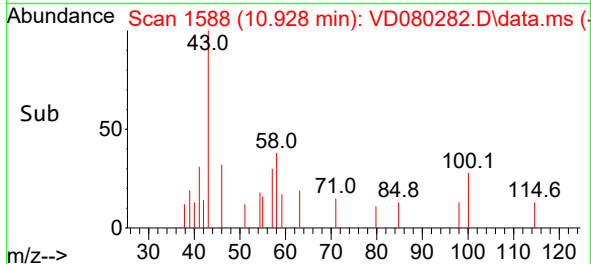
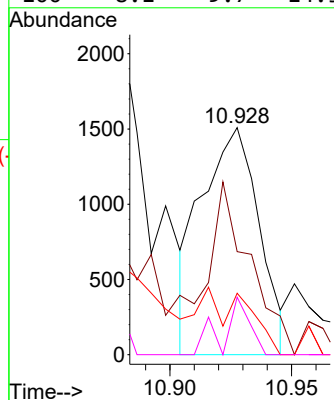
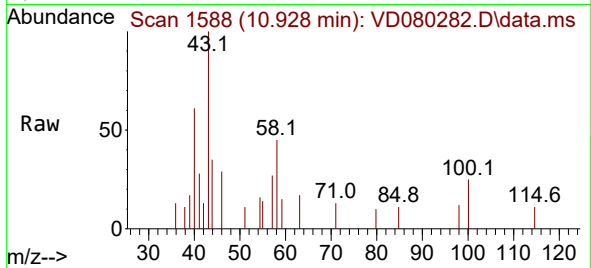




#48
2-Hexanone
Concen: 1.98 ug/L
RT: 10.928 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

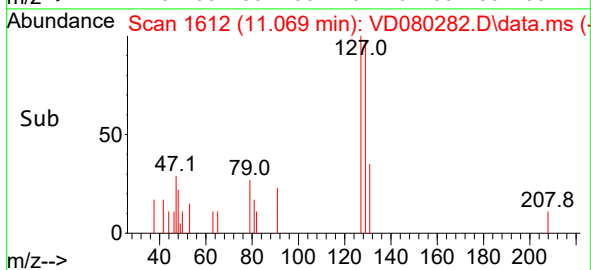
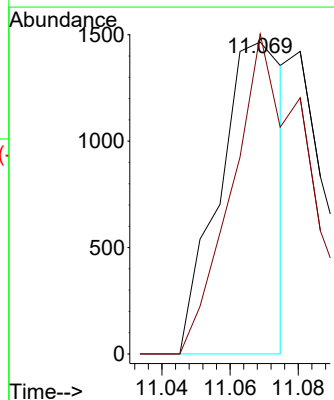
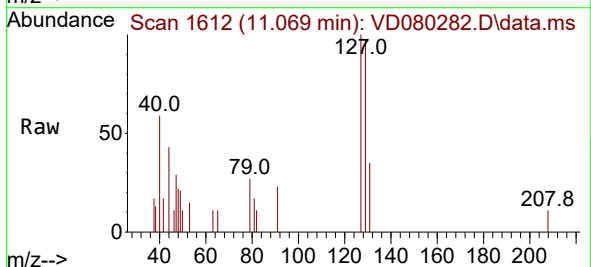
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-01

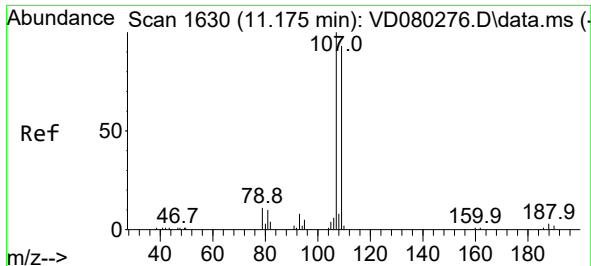
Tgt Ion: 43 Resp: 2486
Ion Ratio Lower Upper
43 100
58 50.4 42.8 64.2
57 12.3 15.0 22.4#
100 8.1 9.7 14.5#



#49
Dibromochloromethane
Concen: 0.70 ug/L
RT: 11.069 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

Tgt Ion: 129 Resp: 1937
Ion Ratio Lower Upper
129 100
127 102.6 54.9 101.9#

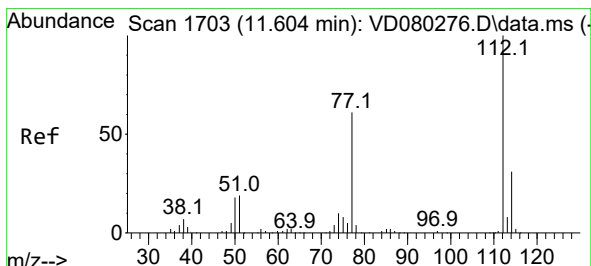
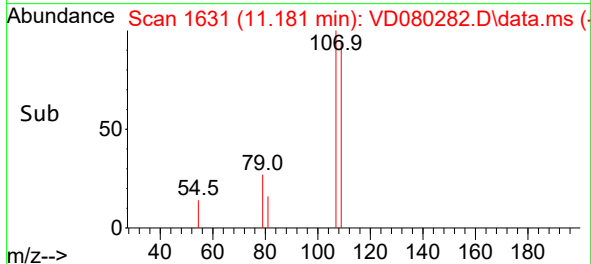
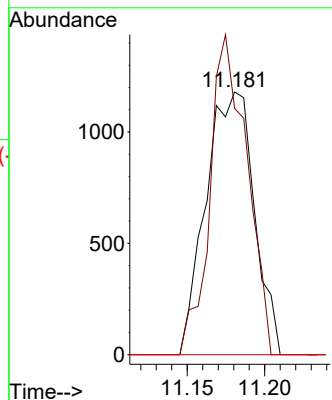
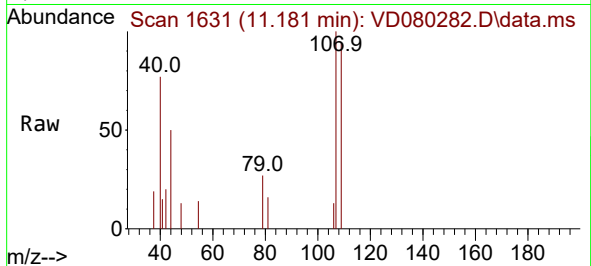




#50
1,2-Dibromoethane
Concen: 1.18 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

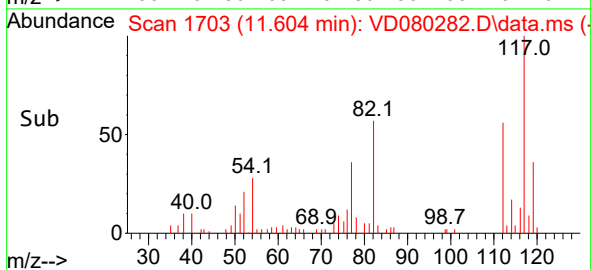
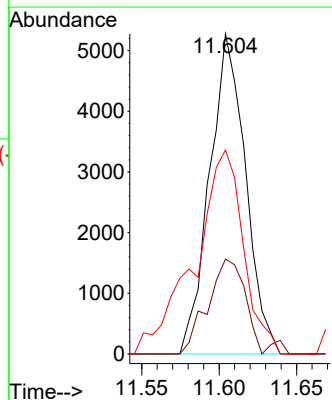
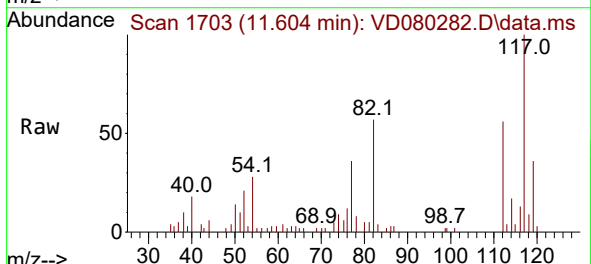
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-01

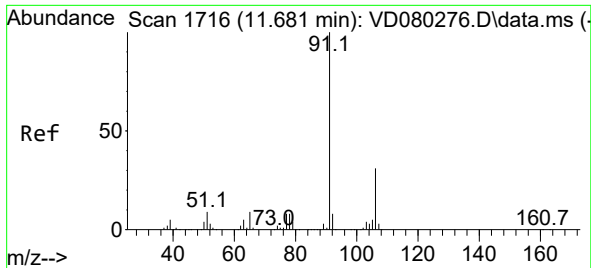
Tgt Ion:107 Resp: 2565
Ion Ratio Lower Upper
107 100
109 93.7 65.5 121.6
188 0.0 2.2 3.2#



#51
Chlorobenzene
Concen: 1.07 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

Tgt Ion:112 Resp: 8504
Ion Ratio Lower Upper
112 100
114 29.6 21.8 40.6
77 63.8 48.8 73.2

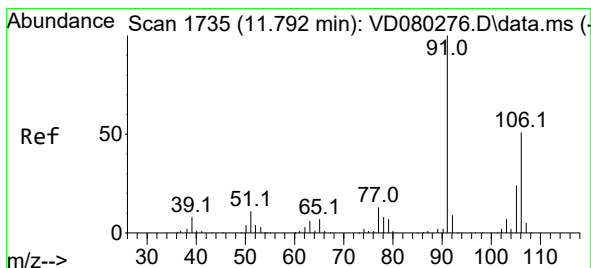
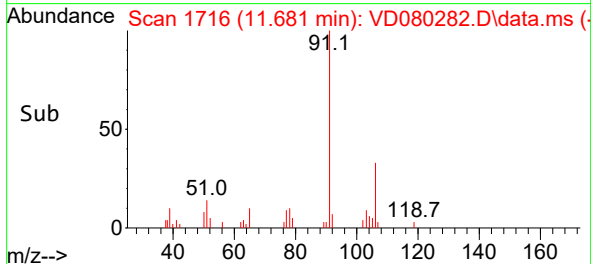
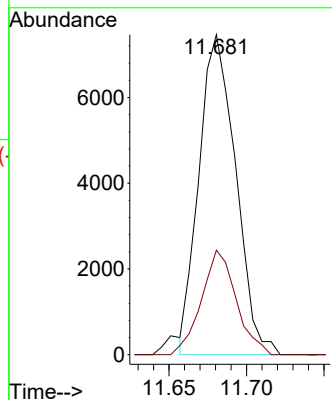
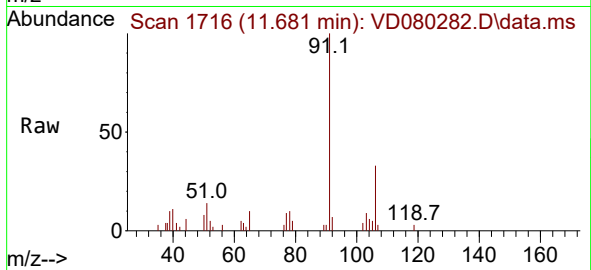




#52
Ethylbenzene
Concen: 0.94 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

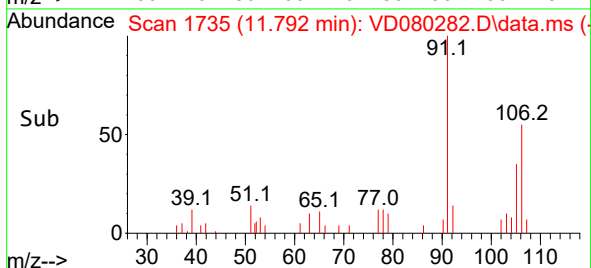
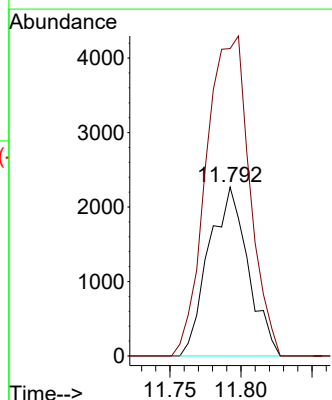
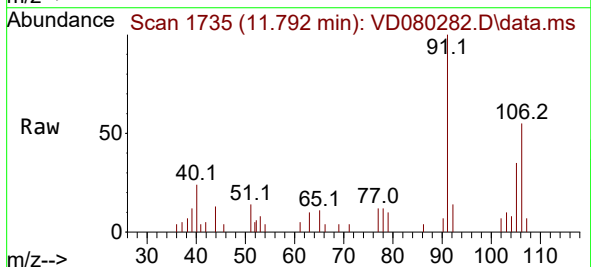
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-01

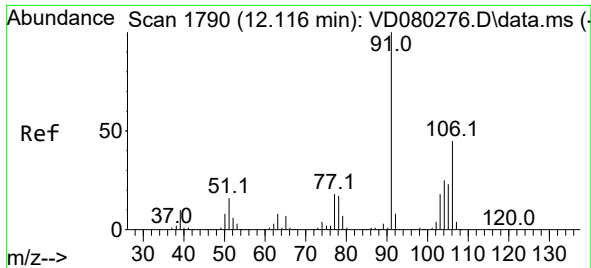
Tgt Ion: 91 Resp: 12290
Ion Ratio Lower Upper
91 100
106 32.7 21.4 39.8



#53
m,p-Xylene
Concen: 0.90 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

Tgt Ion:106 Resp: 4362
Ion Ratio Lower Upper
106 100
91 182.1 138.0 256.2

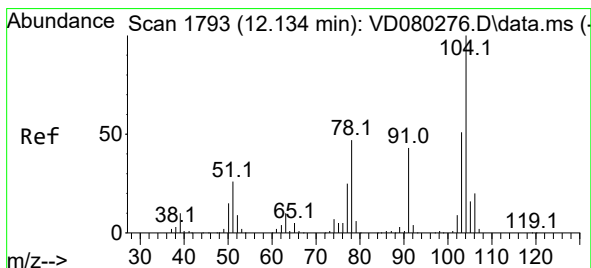
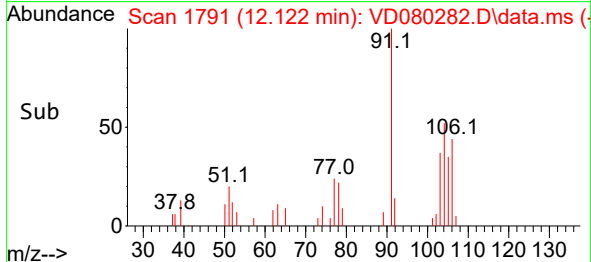
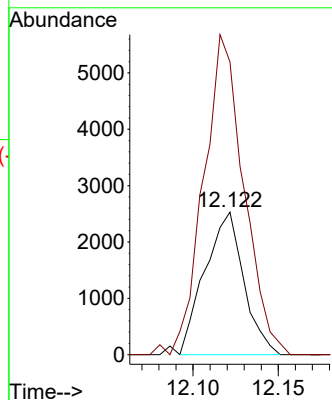
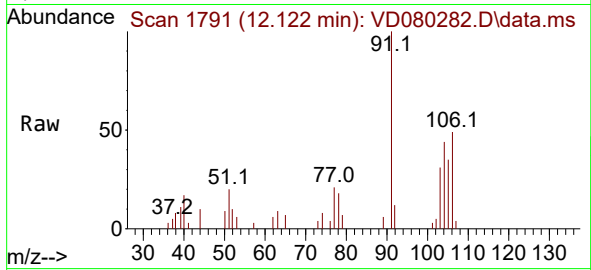




#54
o-Xylene
Concen: 0.87 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

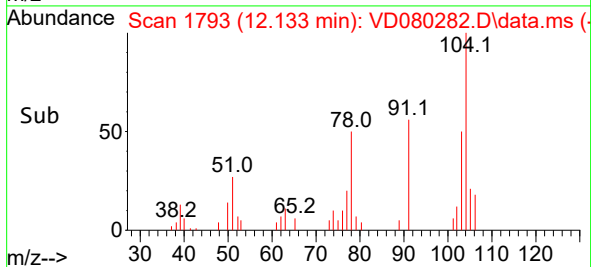
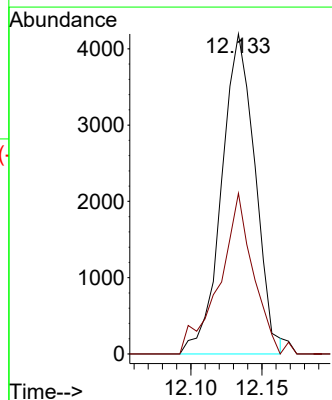
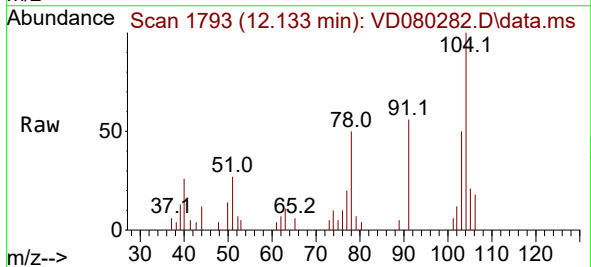
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-01

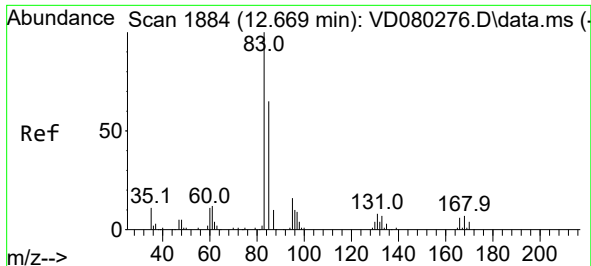
Tgt Ion:106 Resp: 4022
Ion Ratio Lower Upper
106 100
91 205.3 156.5 290.7



#55
Styrene
Concen: 0.82 ug/L
RT: 12.133 min Scan# 1793
Delta R.T. -0.001 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

Tgt Ion:104 Resp: 6870
Ion Ratio Lower Upper
104 100
78 50.2 32.7 60.7





#57

1,1,2,2-Tetrachloroethane

Concen: 1.25 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VD080282.D

Acq: 18 Mar 2025 16:15

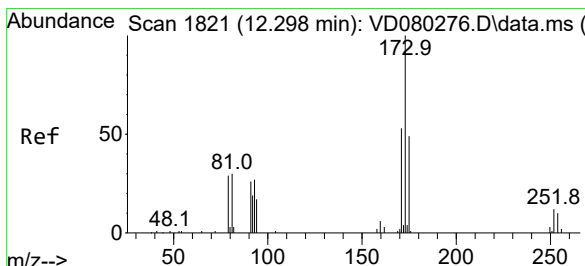
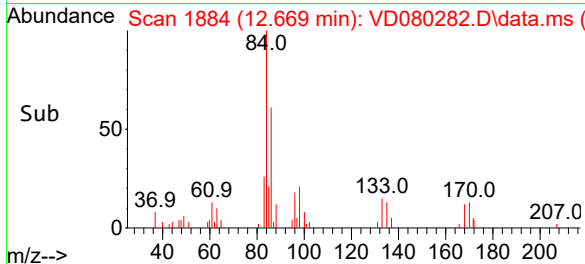
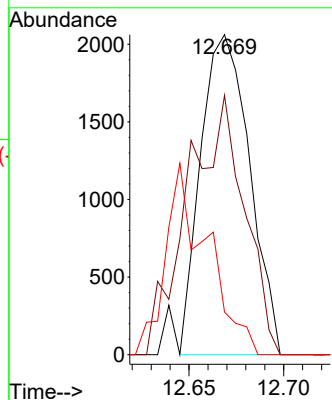
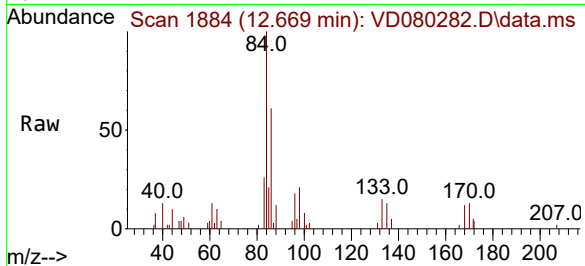
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2025-01

Tgt Ion: 83	Resp:	3712
Ion Ratio	Lower	Upper
83	100	
85	81.0	46.1 85.7
131	13.3	6.9 10.3#



#59

Bromoform

Concen: 1.33 ug/L

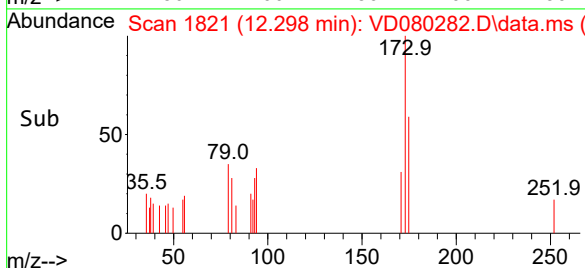
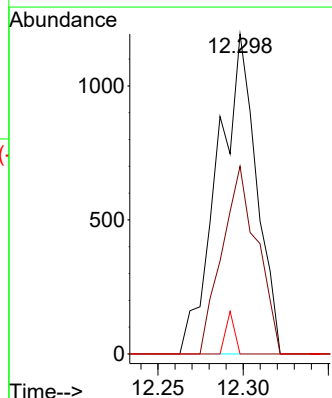
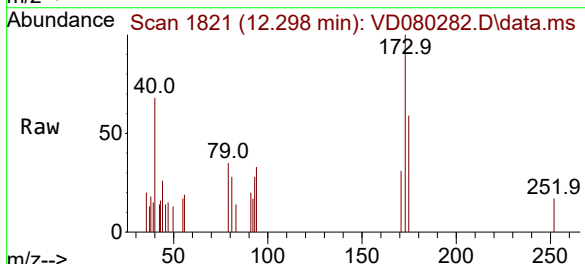
RT: 12.298 min Scan# 1821

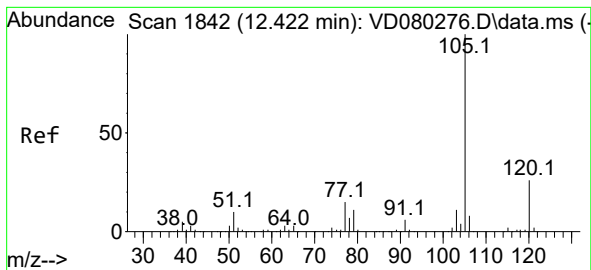
Delta R.T. 0.000 min

Lab File: VD080282.D

Acq: 18 Mar 2025 16:15

Tgt Ion: 173	Resp:	1893
Ion Ratio	Lower	Upper
173	100	
175	53.1	38.8 58.2
254	0.0	7.8 11.6#





#60

Isopropylbenzene

Concen: 0.89 ug/L

RT: 12.416 min Scan# 1841

Delta R.T. -0.006 min

Lab File: VD080282.D

Acq: 18 Mar 2025 16:15

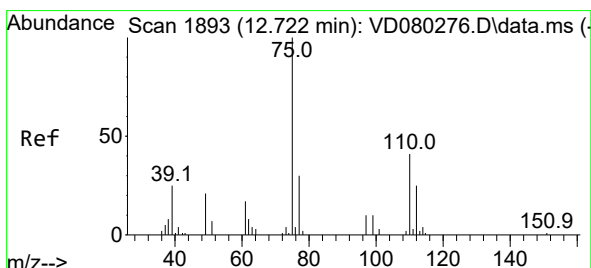
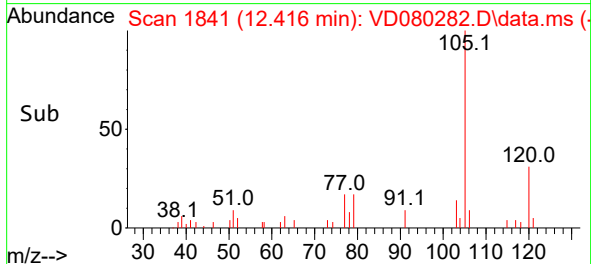
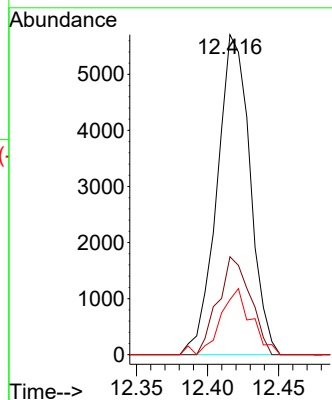
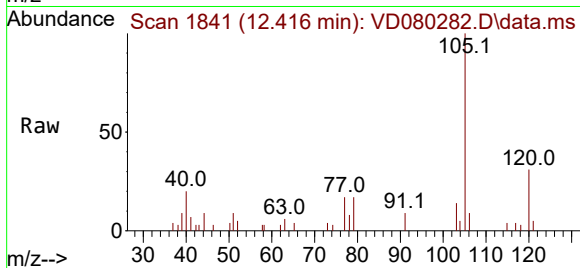
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2025-01

Tgt Ion:	105	Resp:	9238
Ion Ratio	Lower	Upper	
105	100		
120	29.9	20.6	31.0
77	18.9	12.5	18.7#



#61

1,2,3-Trichloropropane

Concen: 1.33 ug/L

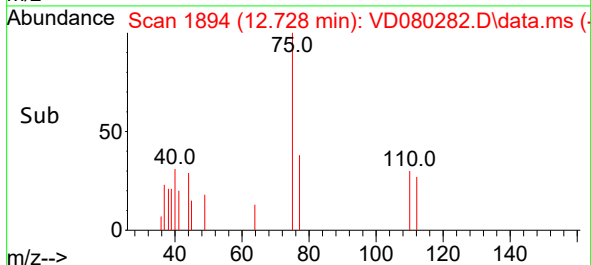
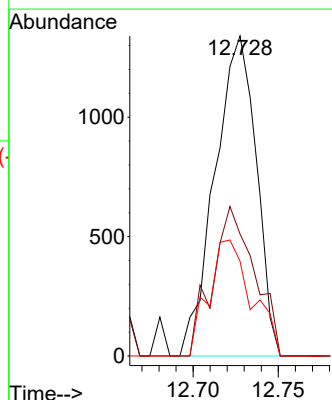
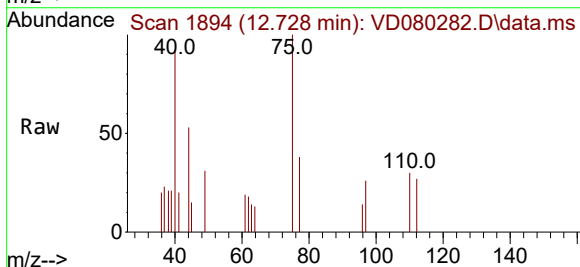
RT: 12.728 min Scan# 1894

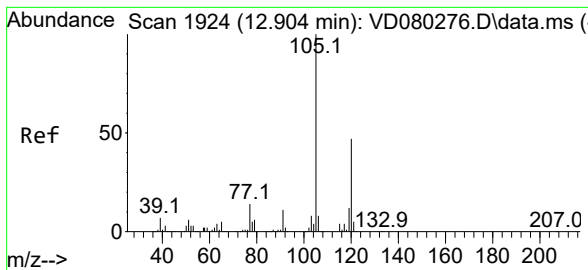
Delta R.T. 0.006 min

Lab File: VD080282.D

Acq: 18 Mar 2025 16:15

Tgt Ion:	75	Resp:	2263
Ion Ratio	Lower	Upper	
75	100		
77	47.5	25.5	38.3#
110	31.3	30.7	46.1

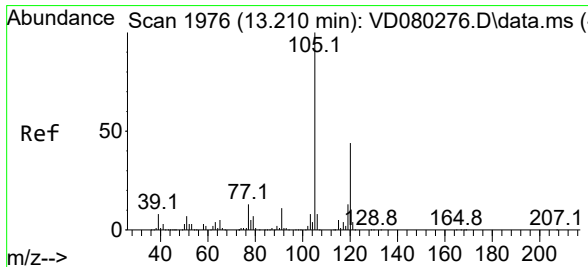
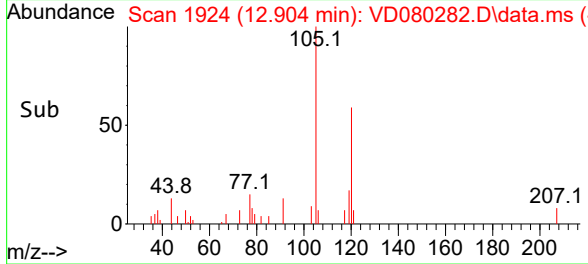
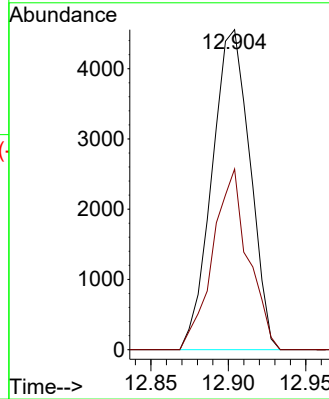
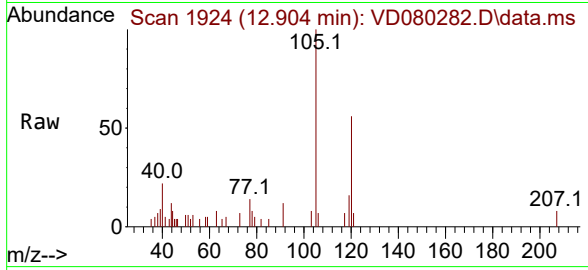




#62
 1,3,5-Trimethylbenzene
 Concen: 0.95 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD080282.D
 Acq: 18 Mar 2025 16:15

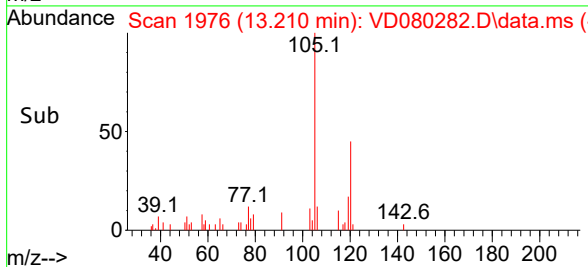
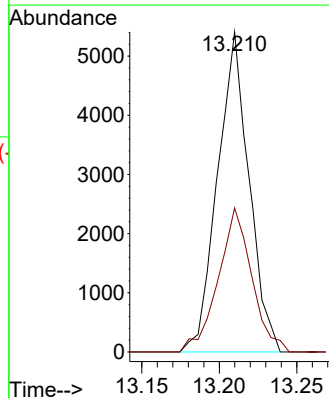
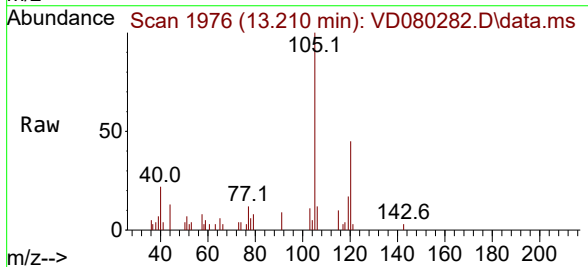
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2025-01

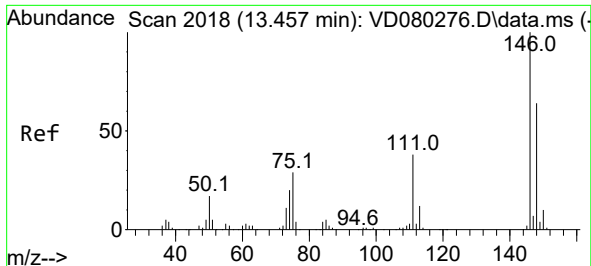
Tgt Ion:105 Resp: 7782
 Ion Ratio Lower Upper
 105 100
 120 52.8 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 0.92 ug/L
 RT: 13.210 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VD080282.D
 Acq: 18 Mar 2025 16:15

Tgt Ion:105 Resp: 7631
 Ion Ratio Lower Upper
 105 100
 120 48.0 36.2 54.4

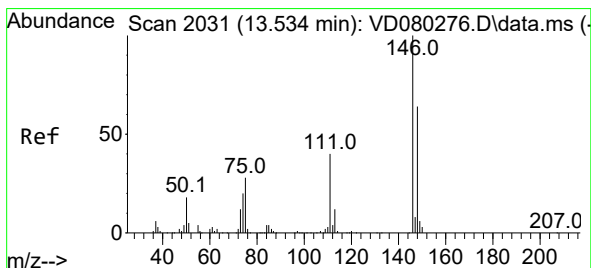
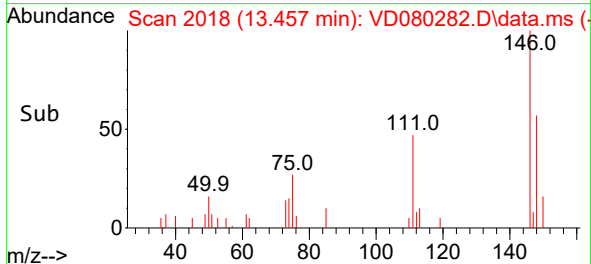
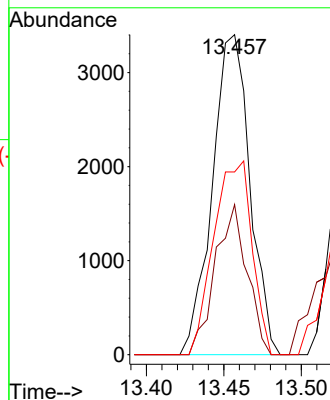
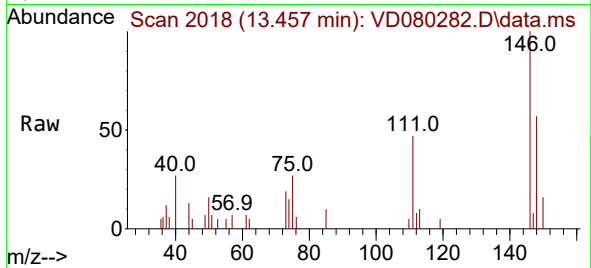




#64
1,3-Dichlorobenzene
Concen: 1.11 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. -0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

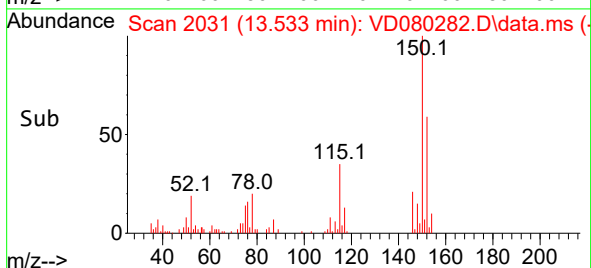
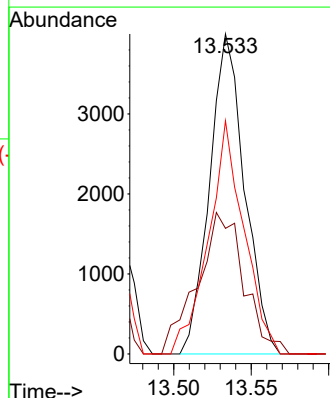
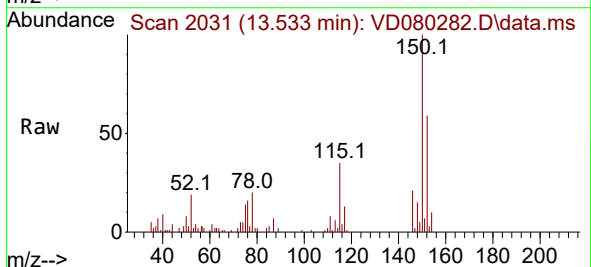
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-01

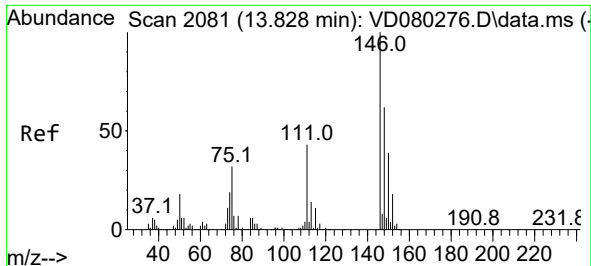
Tgt Ion:146 Resp: 5744
Ion Ratio Lower Upper
146 100
111 46.9 26.9 49.9
148 57.1 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 1.13 ug/L
RT: 13.533 min Scan# 2031
Delta R.T. -0.001 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

Tgt Ion:146 Resp: 6290
Ion Ratio Lower Upper
146 100
111 39.2 27.9 51.7
148 72.8 45.1 83.9

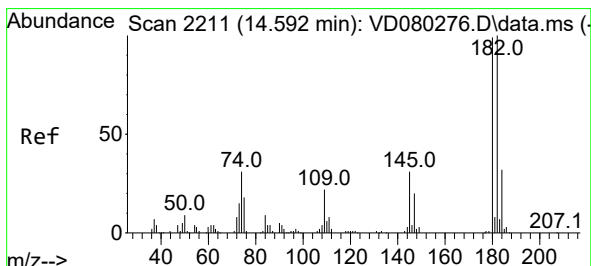
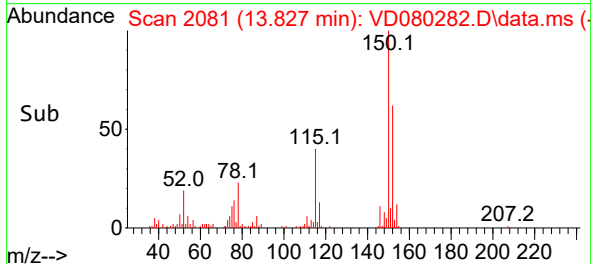
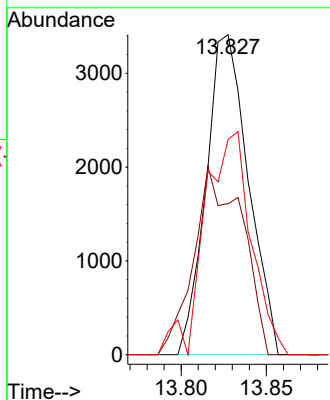
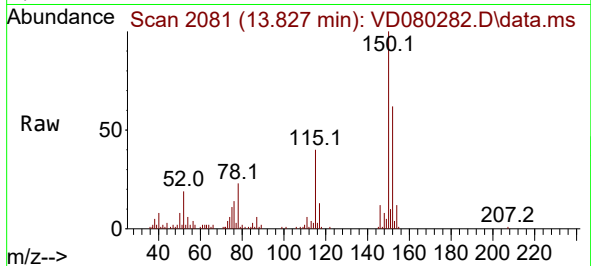




#67
1,2-Dichlorobenzene
Concen: 1.23 ug/L
RT: 13.827 min Scan# 2081
Delta R.T. -0.001 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

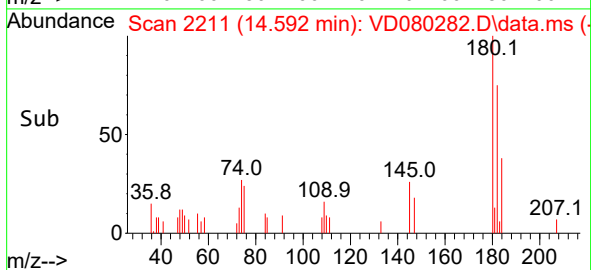
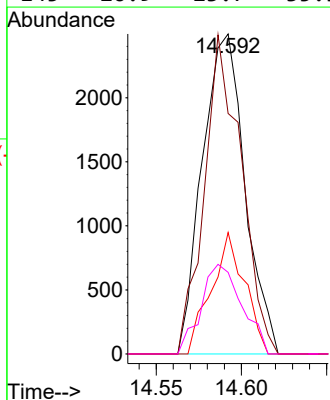
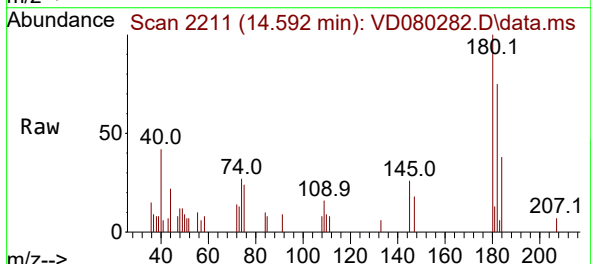
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2025-01

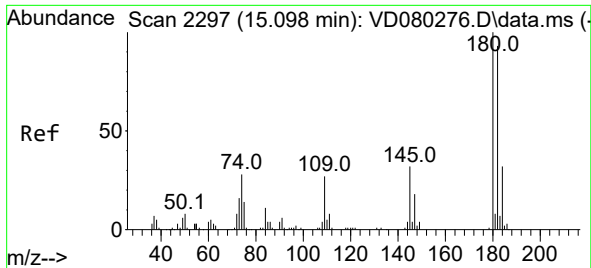
Tgt Ion:146 Resp: 5892
Ion Ratio Lower Upper
146 100
111 47.2 34.2 51.2
148 67.2 49.8 74.8



#69
1,3,5-Trichlorobenzene
Concen: 1.27 ug/L
RT: 14.592 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

Tgt Ion:180 Resp: 4340
Ion Ratio Lower Upper
180 100
182 86.4 77.0 115.4
184 29.8 24.0 36.0
145 26.9 23.7 35.5

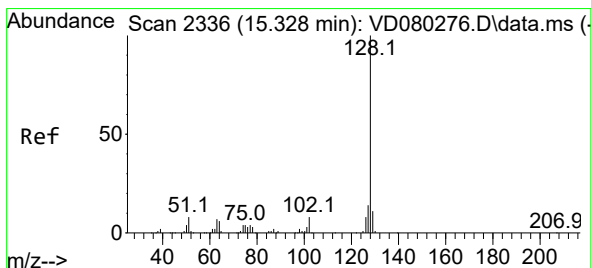
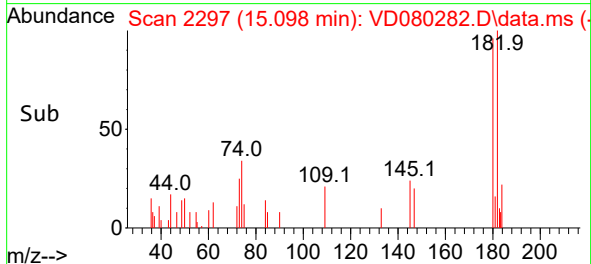
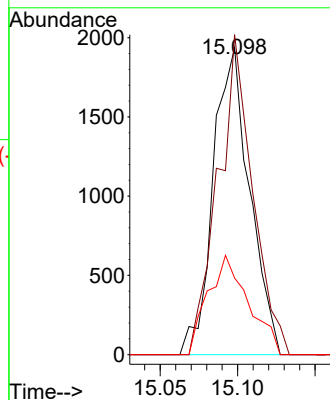
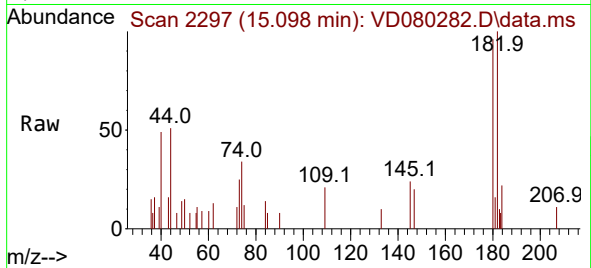




#70
1,2,4-trichlorobenzene
Concen: 1.12 ug/L
RT: 15.098 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

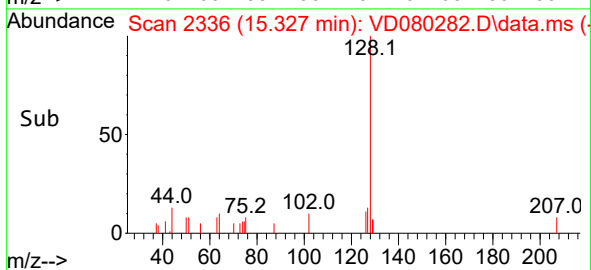
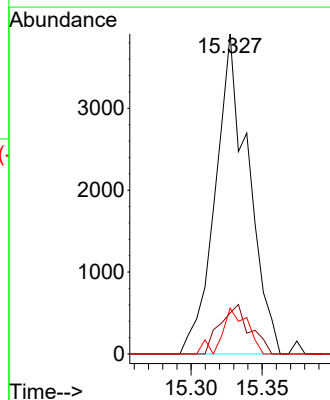
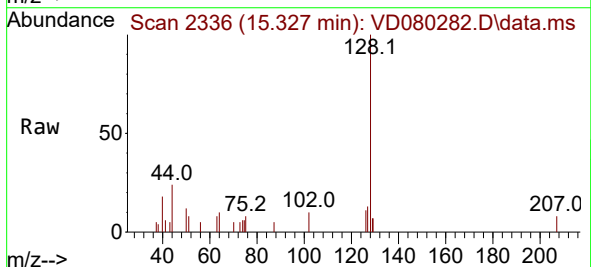
Instrument :
MSVOA_D
ClientSampleId :
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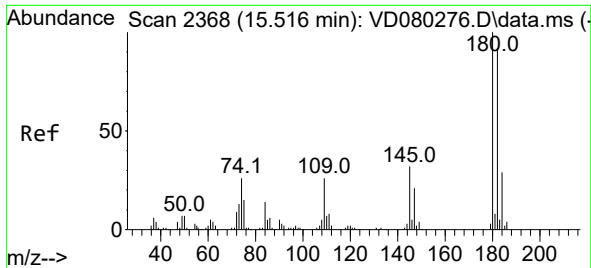
Tgt Ion:180 Resp: 3169
Ion Ratio Lower Upper
180 100
182 98.4 75.4 113.0
145 35.8 23.1 34.7#



#71
Naphthalene
Concen: 1.18 ug/L
RT: 15.327 min Scan# 2336
Delta R.T. -0.001 min
Lab File: VD080282.D
Acq: 18 Mar 2025 16:15

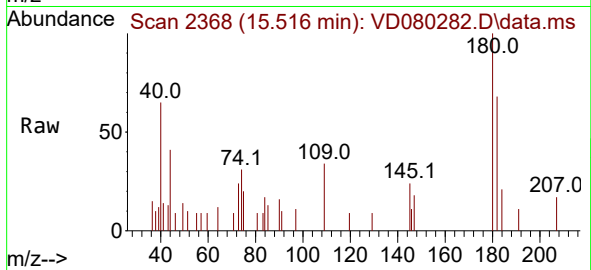
Tgt Ion:128 Resp: 6304
Ion Ratio Lower Upper
128 100
127 11.4 11.4 17.2#
129 10.1 9.0 13.4





#72
 1,2,3-Trichlorobenzene
 Concen: 1.23 ug/L
 RT: 15.516 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD080282.D
 Acq: 18 Mar 2025 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2025-01



Tgt Ion:	180	Resp:	3137
Ion Ratio	Lower	Upper	
180	100		
182	83.7	73.8	110.6
145	33.2	24.8	37.2

