

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062025\
 Data File : VD080464.D
 Acq On : 20 Jun 2025 12:27
 Operator : RP/MD
 Sample : Q2117-03
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2025-03

Quant Time: Jun 23 08:53:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Jun 23 08:51:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.782	114	197186	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	190989	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	86978	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	66532	19.90	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	79.60%		
7) Chloroethane-d5	2.812	69	63213	22.16	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	88.64%		
11) 1,1-Dichloroethene-d2	3.917	65	24504	21.72	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	86.88%		
21) 2-Butanone-d5	6.988	46	24852	44.84	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	89.68%		
24) Chloroform-d	7.564	84	125007	23.02	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	92.08%		
26) 1,2-Dichloroethane-d4	8.229	65	65450	23.57	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	94.28%		
32) Benzene-d6	8.200	84	240231	22.87	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	91.48%		
36) 1,2-Dichloropropane-d6	9.211	67	79930	23.19	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	92.76%		
41) Toluene-d8	10.270	98	225007	22.92	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	91.68%		
43) trans-1,3-Dichloroprop...	10.523	79	32506	22.64	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	90.56%		
47) 2-Hexanone-d5	10.876	63	20979	40.09	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	80.18%		
56) 1,1,2,2-Tetrachloroeth...	12.646	84	66462	21.33	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	85.32%		
66) 1,2-Dichlorobenzene-d4	13.811	152	78816	24.99	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	99.96%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	3646	1.17	ug/L	96
3) Chloromethane	2.147	50	3715	1.27	ug/L	90
5) Vinyl chloride	2.288	62	4450	1.25	ug/L #	67
6) Bromomethane	2.694	94	3046	1.37	ug/L	99
8) Chloroethane	2.841	64	4342	1.77	ug/L #	81
9) Trichlorofluoromethane	3.176	101	6171	1.26	ug/L #	63
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	3948m	1.30	ug/L	
12) 1,1-Dichloroethene	3.941	96	3472	1.40	ug/L #	1
13) Acetone	4.035	43	1472m	3.12	ug/L	
14) Carbon disulfide	4.270	76	9947	1.19	ug/L	99
15) Methyl Acetate	4.559	43	1161	1.02	ug/L #	50
16) Methylene chloride	4.806	84	6018	1.97	ug/L	83
17) trans-1,2-Dichloroethene	5.311	96	2923m	1.13	ug/L	
18) Methyl tert-butyl Ether	5.323	73	5667m	1.09	ug/L	
19) 1,1-Dichloroethane	6.111	63	5473	1.13	ug/L	92
20) cis-1,2-Dichloroethene	7.082	96	3476	1.23	ug/L	83
22) 2-Butanone	7.100	43	1602m	2.34	ug/L	
23) Bromochloromethane	7.435	128	1852m	1.22	ug/L	
25) Chloroform	7.594	83	13261	2.37	ug/L	94

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

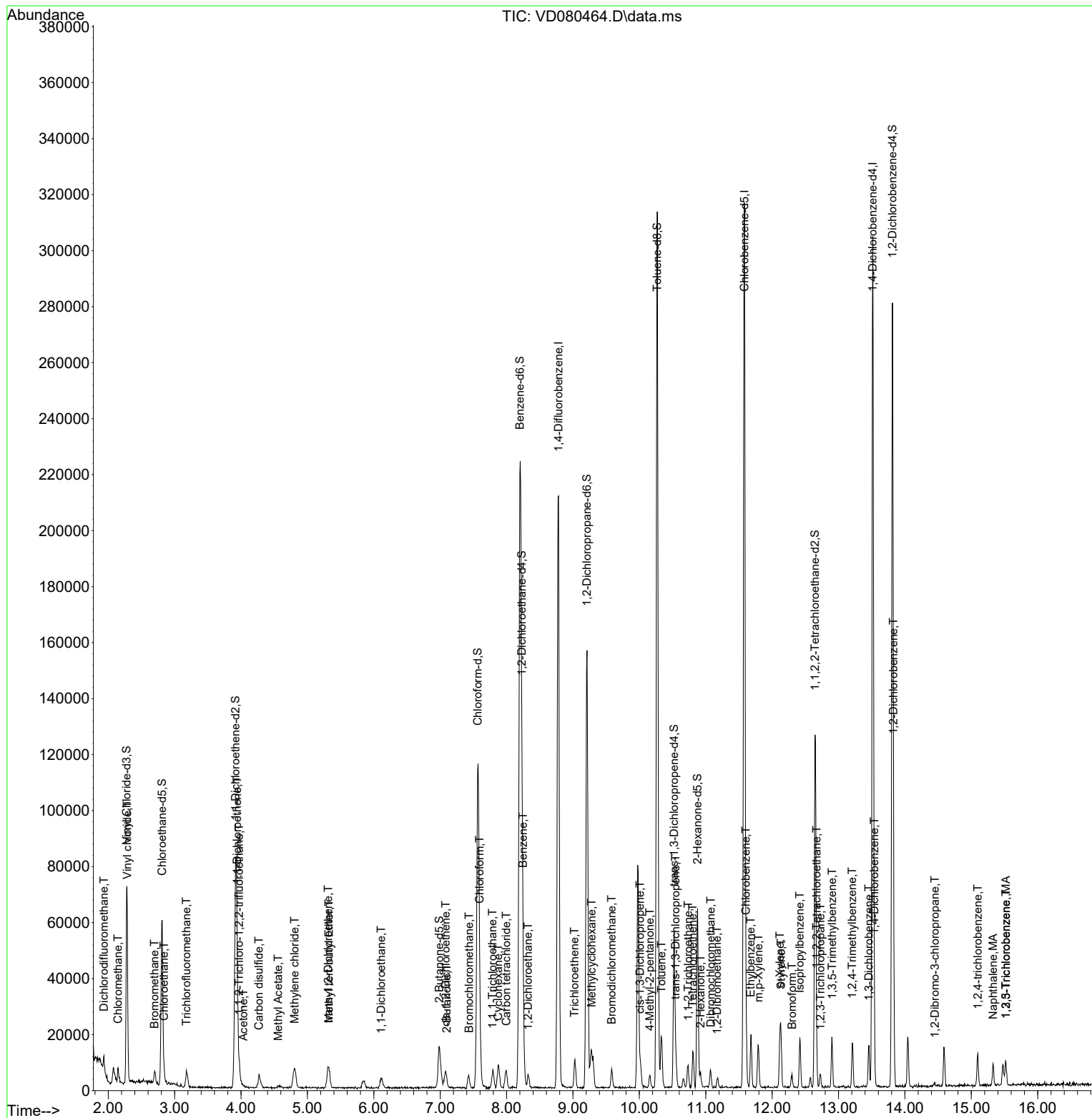
27) 1,2-Dichloroethane	8.323	62	3864	1.23	ug/L #	83
29) Cyclohexane	7.876	56	3785m	0.95	ug/L	
30) 1,1,1-Trichloroethane	7.788	97	5383	1.20	ug/L #	88
31) Carbon tetrachloride	7.994	117	4717	1.09	ug/L	97
33) Benzene	8.247	78	12858	1.23	ug/L	100
34) Trichloroethene	9.023	95	3817	1.26	ug/L #	83
35) Methylcyclohexane	9.282	83	4456	1.00	ug/L	94
38) Bromodichloromethane	9.582	83	4455	1.16	ug/L	80
39) cis-1,3-Dichloropropene	10.011	75	5051	1.16	ug/L	82
40) 4-Methyl-2-pentanone	10.158	43	3193	2.13	ug/L #	89
42) Toluene	10.335	91	14076	1.22	ug/L	89
44) trans-1,3-Dichloropropene	10.547	75	4203	1.14	ug/L	96
45) 1,1,2-Trichloroethane	10.735	97	2917	1.23	ug/L	95
46) Tetrachloroethene	10.805	164	3267	1.21	ug/L	84
48) 2-Hexanone	10.923	43	2928	2.68	ug/L #	94
49) Dibromochloromethane	11.076	129	3514	1.21	ug/L	91
50) 1,2-Dibromoethane	11.170	107	2675m	1.17	ug/L	
51) Chlorobenzene	11.605	112	9209	1.15	ug/L #	87
52) Ethylbenzene	11.676	91	12804	1.02	ug/L	100
53) m,p-Xylene	11.794	106	5022	1.02	ug/L	94
54) o-Xylene	12.117	106	4499	0.97	ug/L	82
55) Styrene	12.135	104	7982	0.97	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.670	83	3358	1.16	ug/L #	88
59) Bromoform	12.299	173	2338	1.37	ug/L #	65
60) Isopropylbenzene	12.417	105	11754	1.14	ug/L	96
61) 1,2,3-Trichloropropane	12.729	75	2207m	1.35	ug/L	
62) 1,3,5-Trimethylbenzene	12.905	105	9189	1.16	ug/L	96
63) 1,2,4-Trimethylbenzene	13.205	105	9412	1.20	ug/L	94
64) 1,3-Dichlorobenzene	13.458	146	7322	1.36	ug/L	95
65) 1,4-Dichlorobenzene	13.540	146	7949	1.42	ug/L	95
67) 1,2-Dichlorobenzene	13.829	146	6398	1.31	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.452	75	340m	0.89	ug/L	
69) 1,3,5-Trichlorobenzene	15.523	180	3821	1.03	ug/L	97
70) 1,2,4-trichlorobenzene	15.099	180	4141	1.36	ug/L #	87
71) Naphthalene	15.329	128	6682	1.21	ug/L #	96
72) 1,2,3-Trichlorobenzene	15.523	180	3821	1.34	ug/L	97

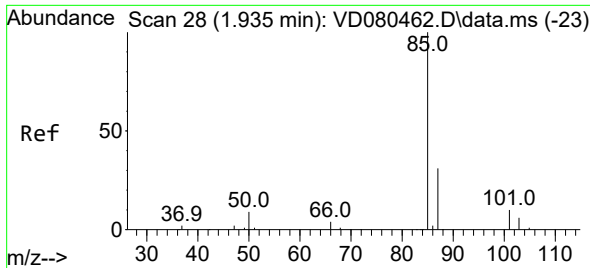
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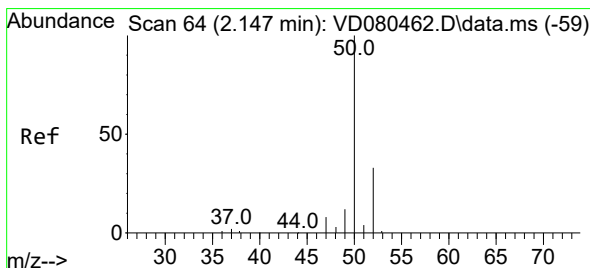
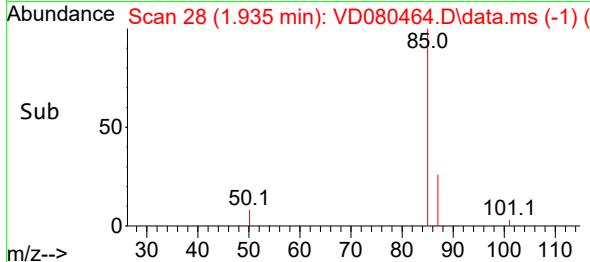
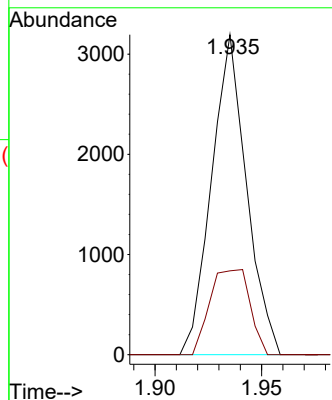
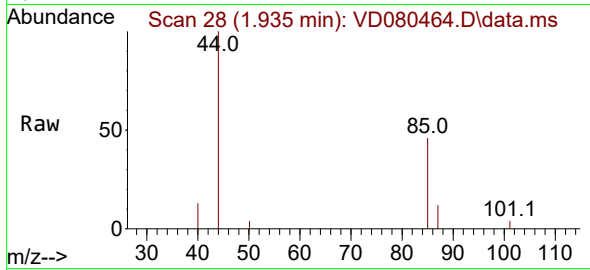




#2
 Dichlorodifluoromethane
 Concen: 1.17 ug/L
 RT: 1.935 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VD080464.D
 Acq: 20 Jun 2025 12:27

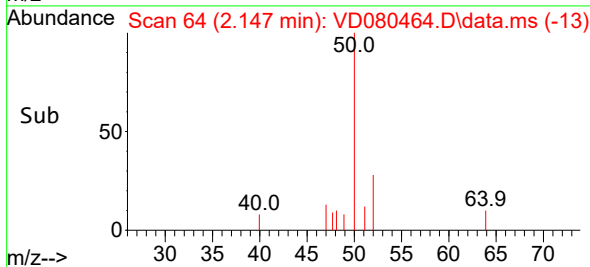
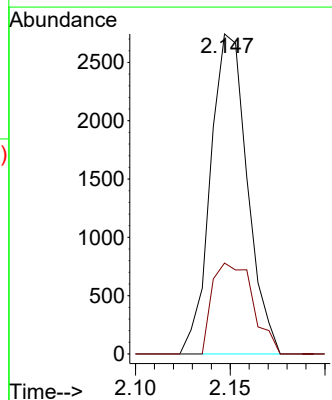
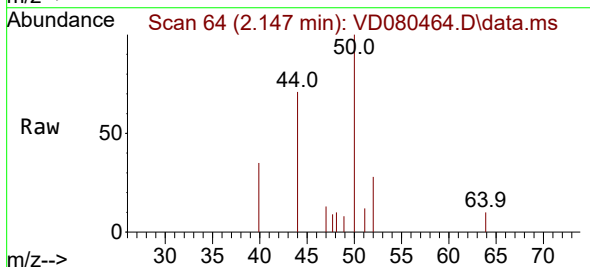
Instrument :
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 ClientSampleId :
 MDL-SOIL-QT2-2025-03

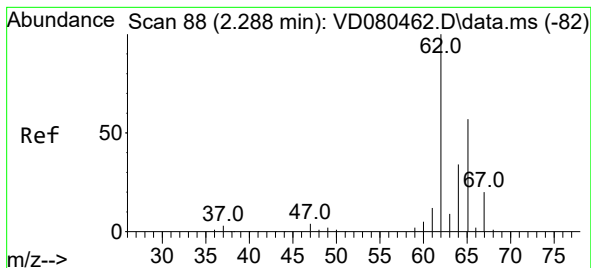
Tgt Ion: 85 Resp: 3646
 Ion Ratio Lower Upper
 85 100
 87 30.4 25.9 38.9



#3
 Chloromethane
 Concen: 1.27 ug/L
 RT: 2.147 min Scan# 64
 Delta R.T. -0.000 min
 Lab File: VD080464.D
 Acq: 20 Jun 2025 12:27

Tgt Ion: 50 Resp: 3715
 Ion Ratio Lower Upper
 50 100
 52 28.4 23.8 44.2





#5

Vinyl chloride

Concen: 1.25 ug/L

RT: 2.288 min Scan# 81

Delta R.T. -0.000 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Instrument :

MSVOA_D

ClientSampleId :

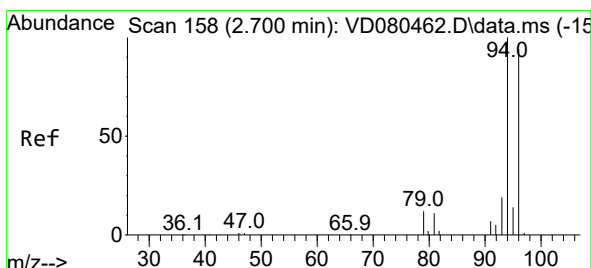
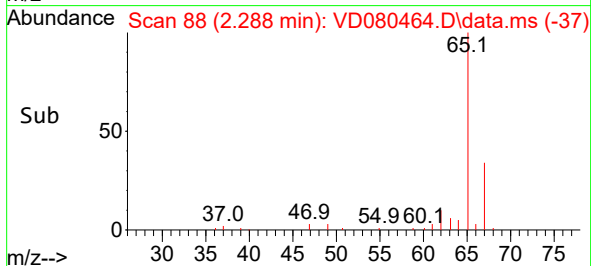
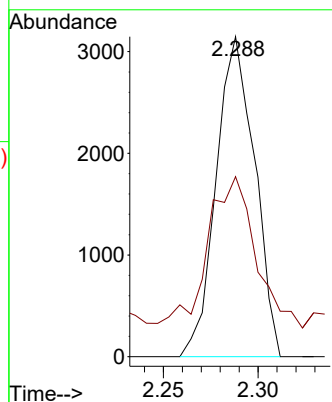
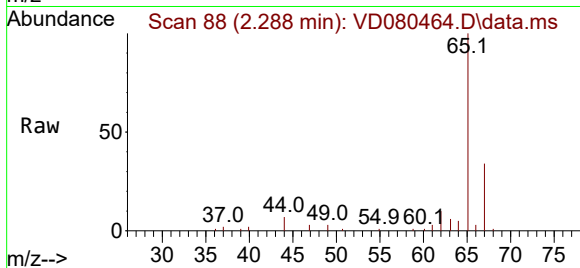
MDL-SOIL-QT2-2025-03

Tgt Ion: 62 Resp: 4450

Ion Ratio Lower Upper

62 100

64 56.2 25.6 47.6#



#6

Bromomethane

Concen: 1.37 ug/L

RT: 2.694 min Scan# 157

Delta R.T. -0.006 min

Lab File: VD080464.D

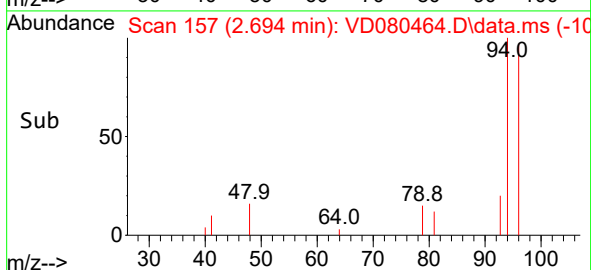
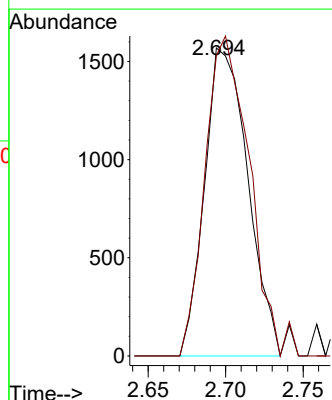
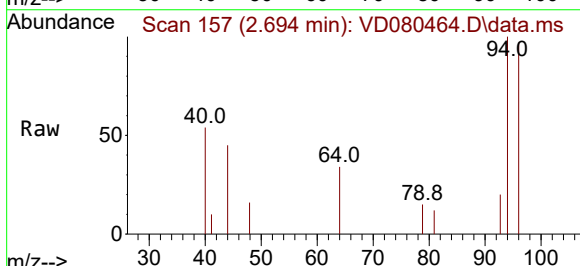
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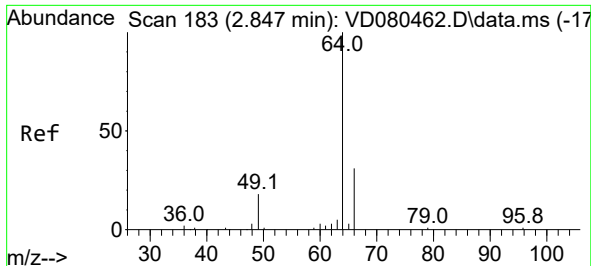
Tgt Ion: 94 Resp: 3046

Ion Ratio Lower Upper

94 100

96 97.5 67.6 125.6

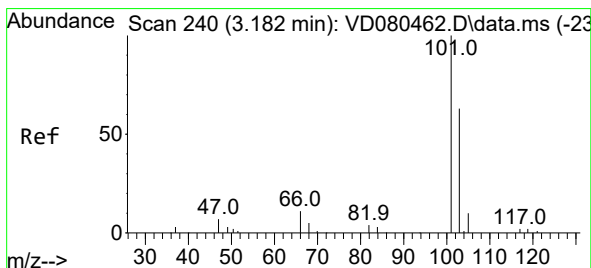
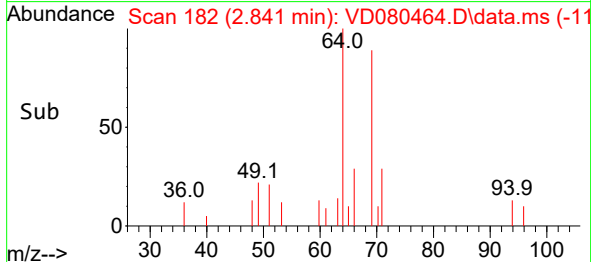
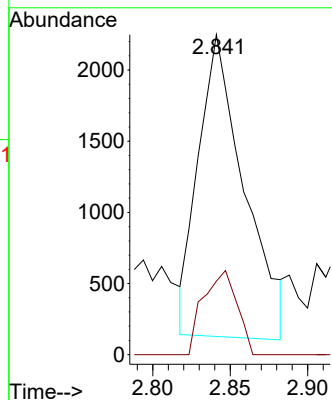
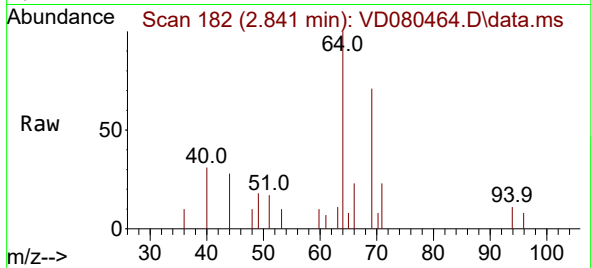




#8
Chloroethane
Concen: 1.77 ug/L
RT: 2.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

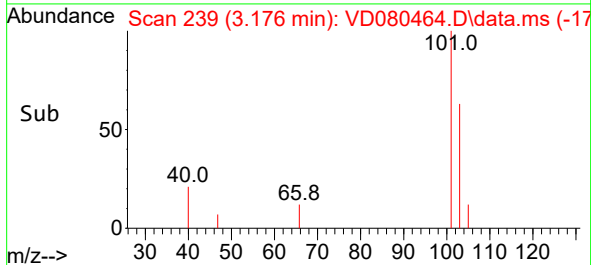
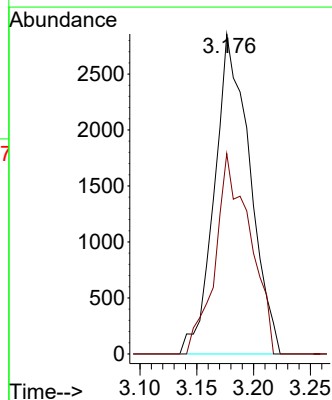
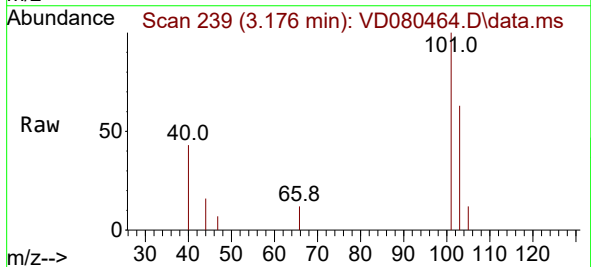
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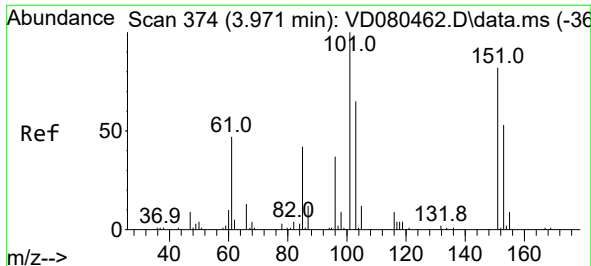
Tgt Ion: 64 Resp: 4342
Ion Ratio Lower Upper
64 100
66 23.0 23.9 44.3#



#9
Trichlorofluoromethane
Concen: 1.26 ug/L
RT: 3.176 min Scan# 239
Delta R.T. -0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion:101 Resp: 6171
Ion Ratio Lower Upper
101 100
103 34.5 51.0 76.4#

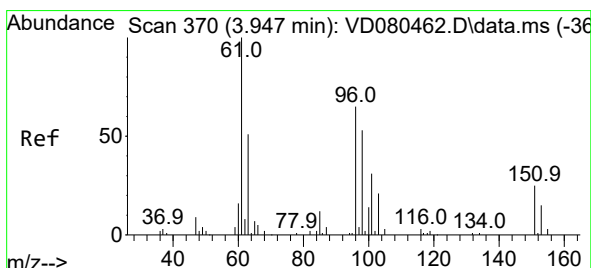
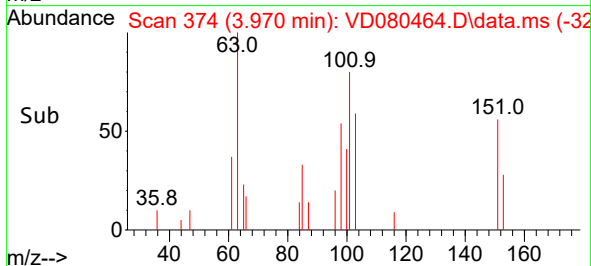
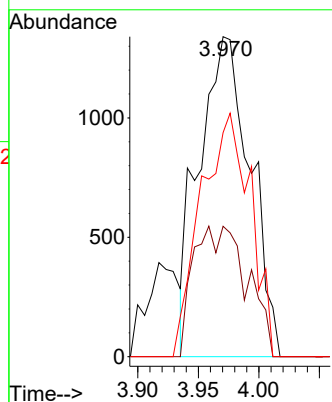
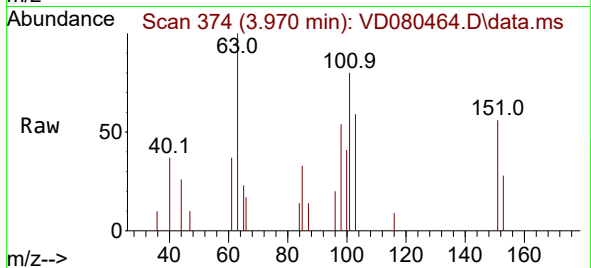




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.30 ug/L m
 RT: 3.970 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VD080464.D
 Acq: 20 Jun 2025 12:27

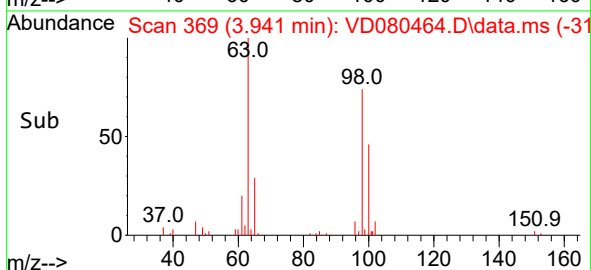
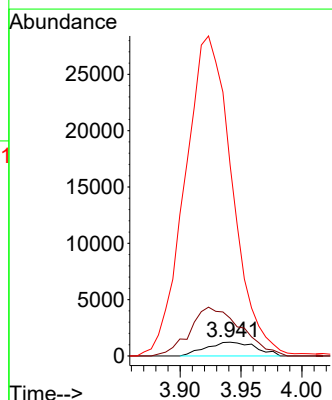
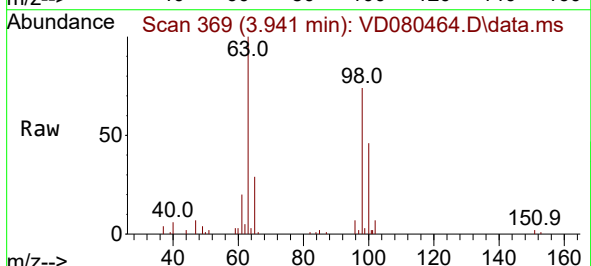
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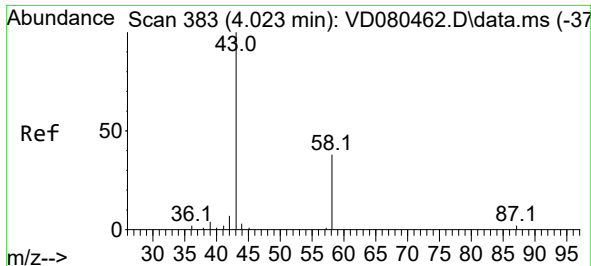
Tgt Ion:101 Resp: 3948
 Ion Ratio Lower Upper
 101 100
 85 9.2 32.0 48.0#
 151 15.0 63.7 95.5#



#12
 1,1-Dichloroethene
 Concen: 1.40 ug/L
 RT: 3.941 min Scan# 369
 Delta R.T. -0.006 min
 Lab File: VD080464.D
 Acq: 20 Jun 2025 12:27

Tgt Ion: 96 Resp: 3472
 Ion Ratio Lower Upper
 96 100
 61 276.1 103.0 191.4#
 63 1394.1 66.4 123.2#





#13

Acetone

Concen: 3.12 ug/L m

RT: 4.035 min Scan# 383

Delta R.T. 0.012 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Instrument :

MSVOA_D

ClientSampleId :

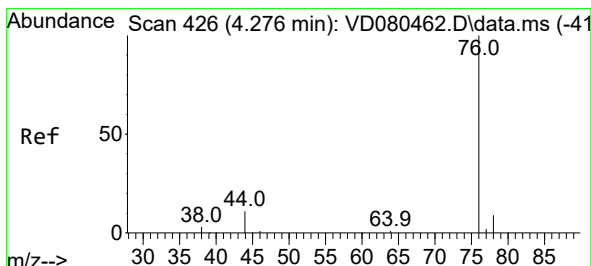
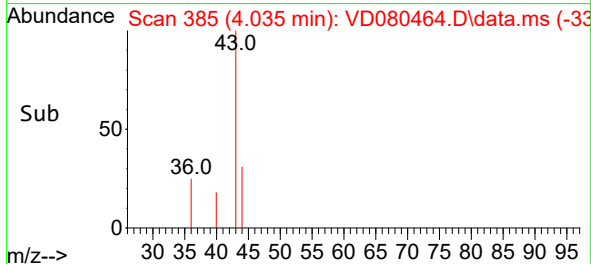
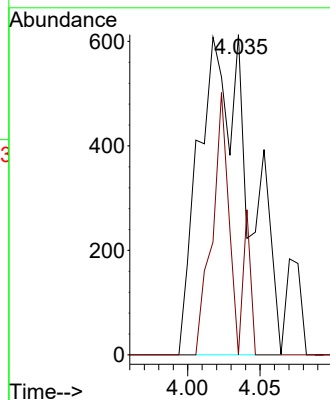
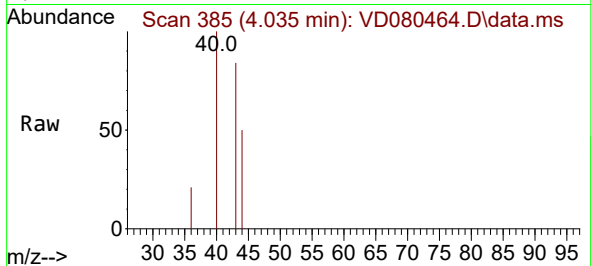
MDL-SOIL-QT2-2025-03

Tgt Ion: 43 Resp: 1472

Ion Ratio Lower Upper

43 100

58 26.8 0.0 71.0



#14

Carbon disulfide

Concen: 1.19 ug/L

RT: 4.270 min Scan# 425

Delta R.T. -0.006 min

Lab File: VD080464.D

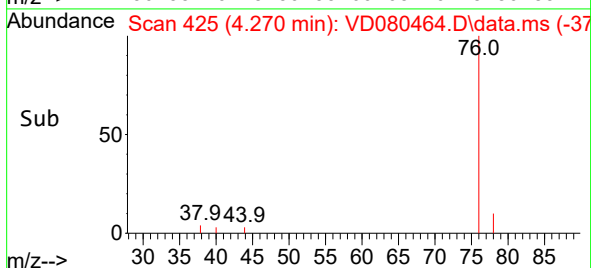
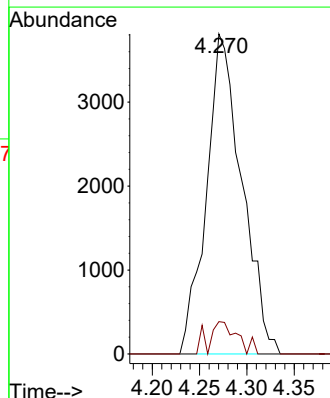
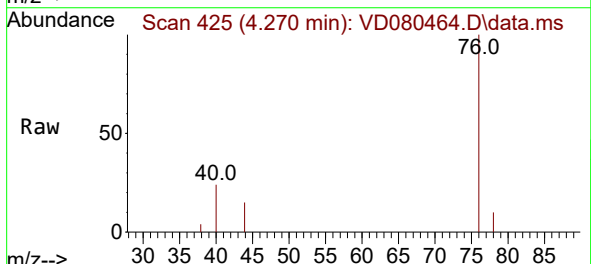
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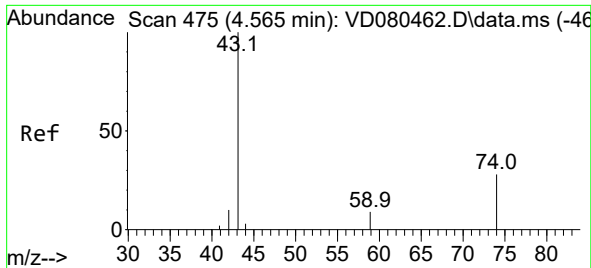
Tgt Ion: 76 Resp: 9947

Ion Ratio Lower Upper

76 100

78 10.1 7.9 11.9

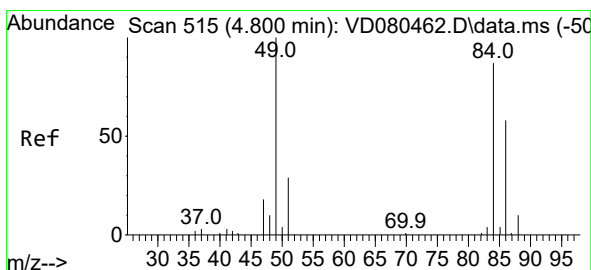
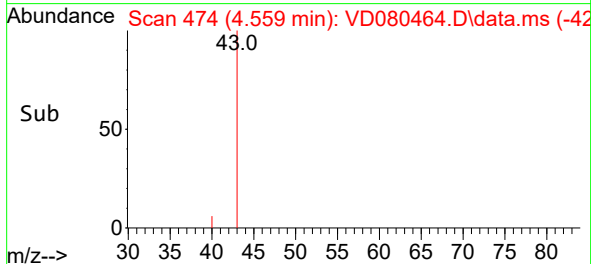
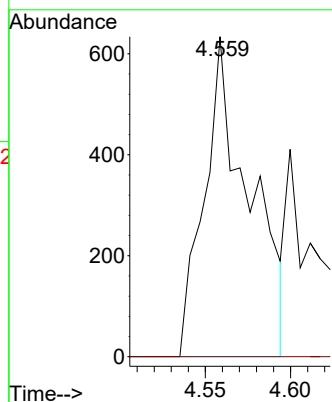
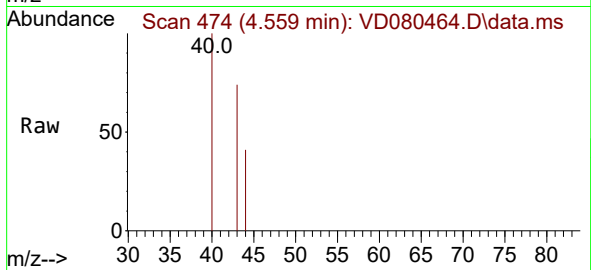




#15
Methyl Acetate
Concen: 1.02 ug/L
RT: 4.559 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

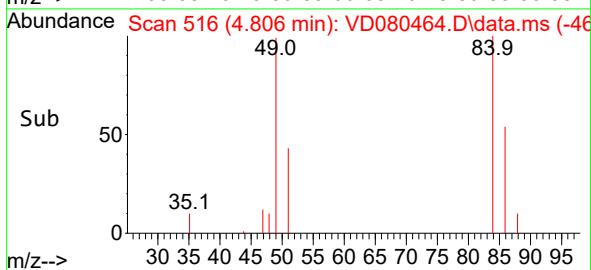
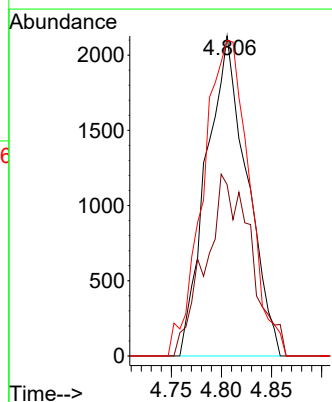
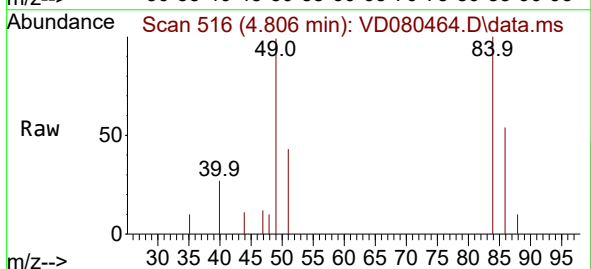
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

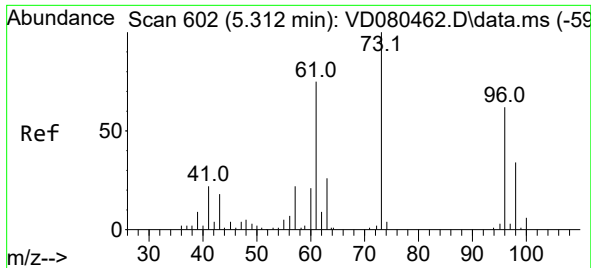
Tgt Ion: 43 Resp: 1161
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#16
Methylene chloride
Concen: 1.97 ug/L
RT: 4.806 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion: 84 Resp: 6018
Ion Ratio Lower Upper
84 100
86 53.5 46.7 86.7
49 98.6 83.0 154.1

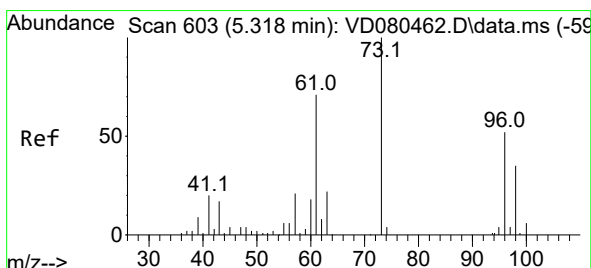
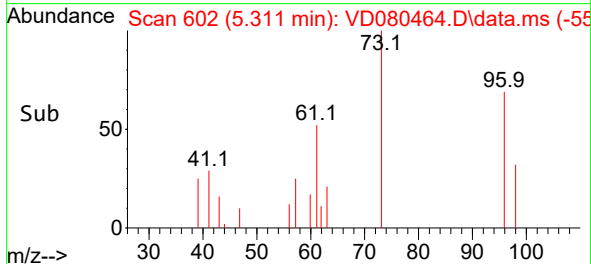
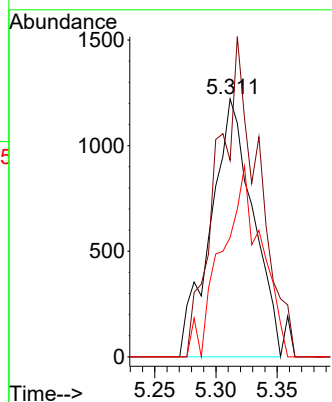
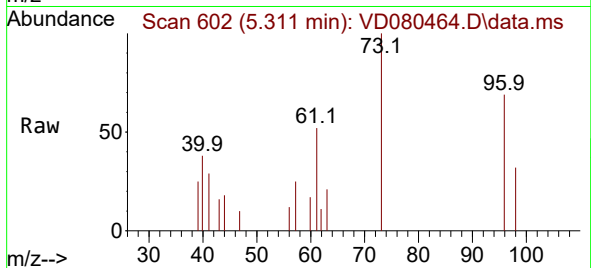




#17
trans-1,2-Dichloroethene
Concen: 1.13 ug/L m
RT: 5.311 min Scan# 602
Delta R.T. -0.000 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

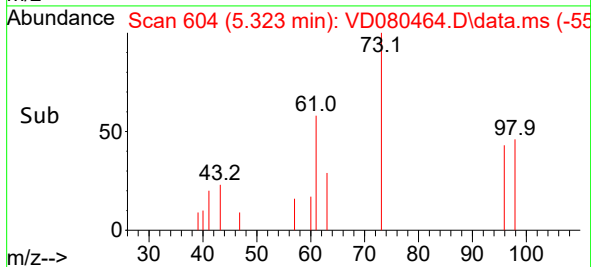
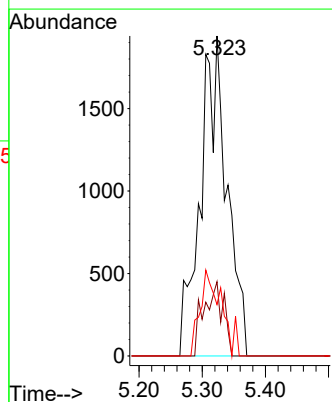
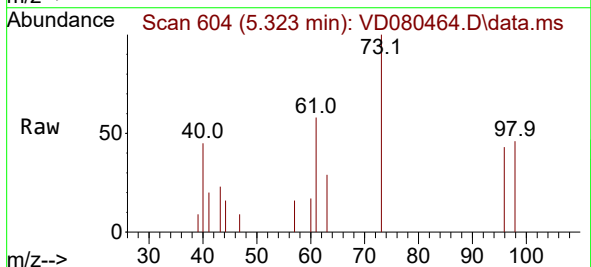
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

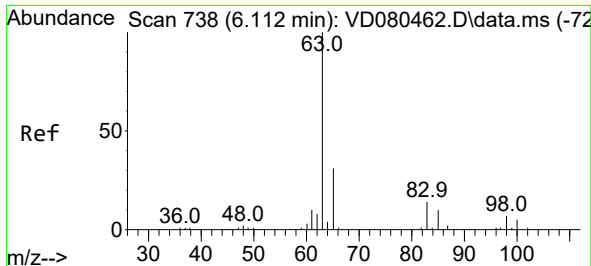
Tgt Ion: 96 Resp: 2923
Ion Ratio Lower Upper
96 100
61 76.2 82.0 152.2#
98 46.4 40.3 74.8



#18
Methyl tert-butyl Ether
Concen: 1.09 ug/L m
RT: 5.323 min Scan# 604
Delta R.T. 0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion: 73 Resp: 5667
Ion Ratio Lower Upper
73 100
43 6.1 15.8 23.8#
57 5.4 17.6 26.4#





#19

1,1-Dichloroethane

Concen: 1.13 ug/L

RT: 6.111 min Scan# 71

Delta R.T. -0.000 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

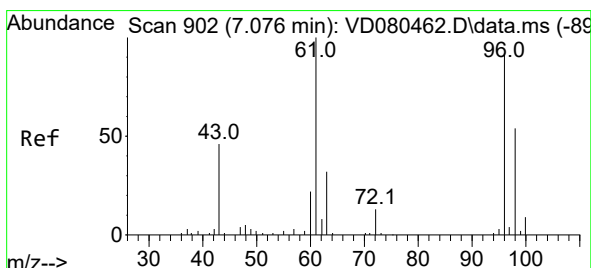
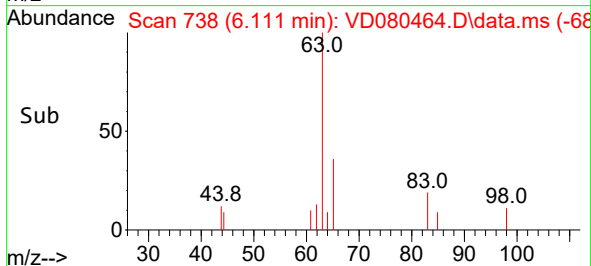
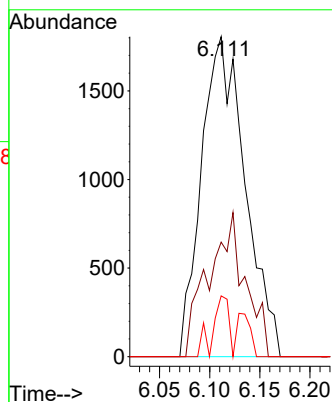
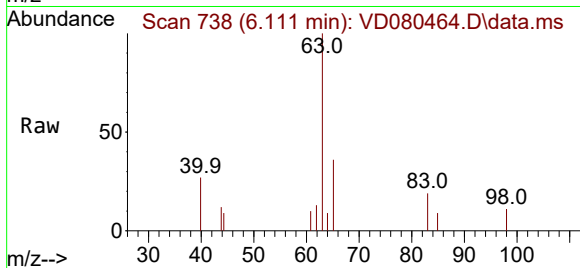
Tgt Ion: 63 Resp: 5473

Ion Ratio Lower Upper

63 100

65 35.8 22.0 41.0

83 19.0 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 1.23 ug/L

RT: 7.082 min Scan# 903

Delta R.T. 0.006 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

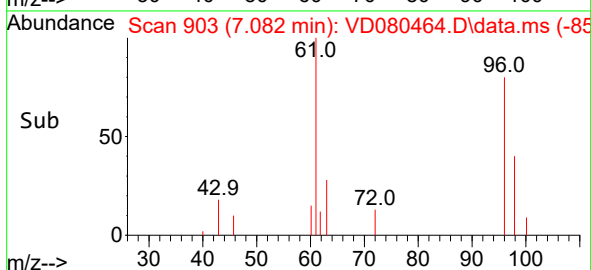
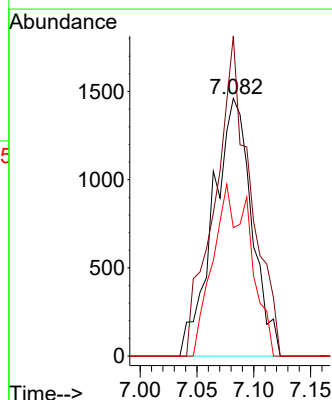
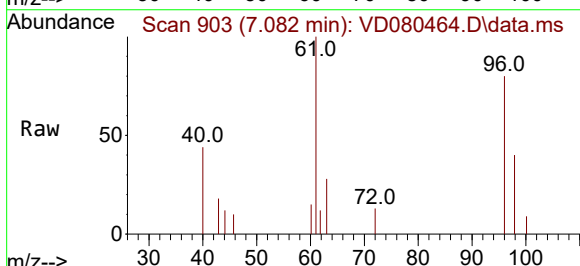
Tgt Ion: 96 Resp: 3476

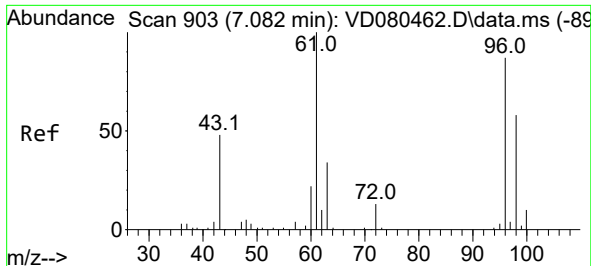
Ion Ratio Lower Upper

96 100

61 124.2 75.8 140.8

98 49.8 45.9 85.3

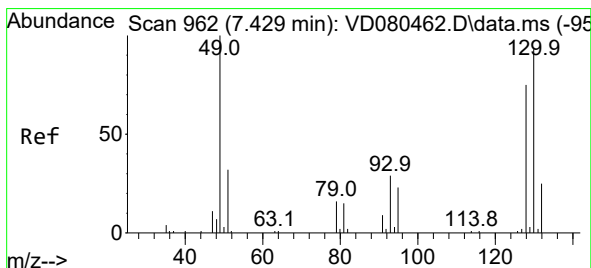
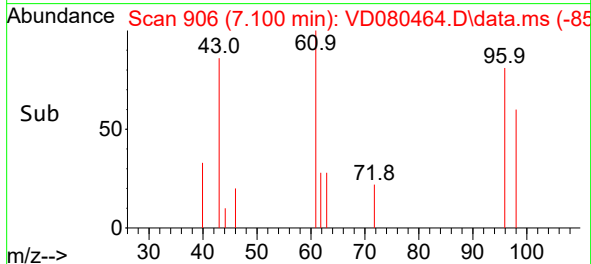
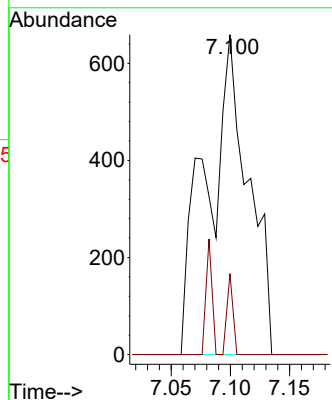
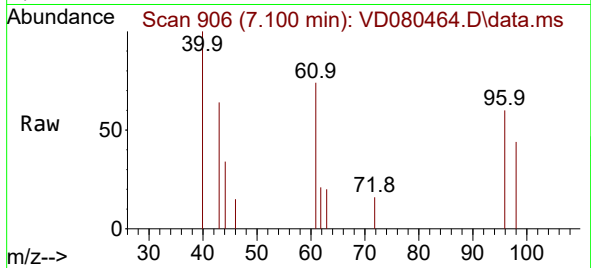




#22
2-Butanone
Concen: 2.34 ug/L m
RT: 7.100 min Scan# 903
Delta R.T. 0.018 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

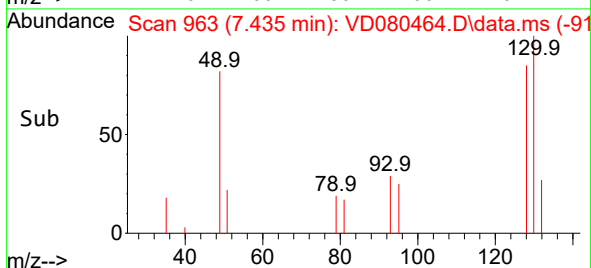
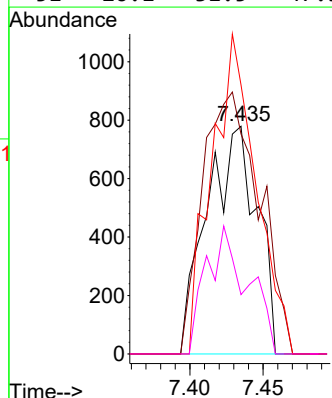
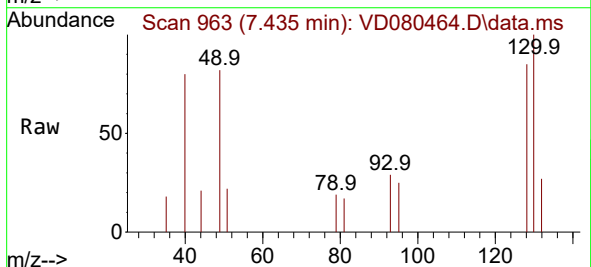
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

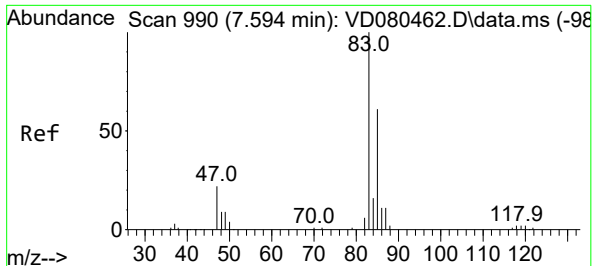
Tgt Ion: 43 Resp: 1602
Ion Ratio Lower Upper
43 100
72 0.0 14.9 44.5#



#23
Bromochloromethane
Concen: 1.22 ug/L m
RT: 7.435 min Scan# 963
Delta R.T. 0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion: 128 Resp: 1852
Ion Ratio Lower Upper
128 100
49 96.7 89.5 166.3
130 118.2 82.5 153.1
51 26.1 31.5 47.3#





#25

Chloroform

Concen: 2.37 ug/L

RT: 7.594 min Scan# 990

Delta R.T. -0.000 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Instrument :

MSVOA_D

ClientSampleId :

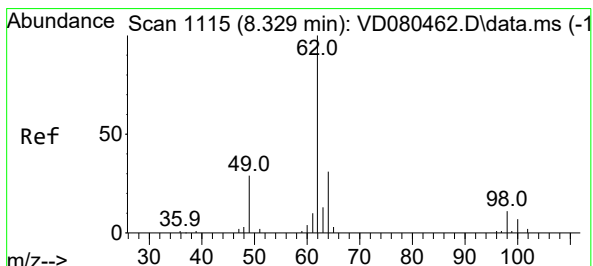
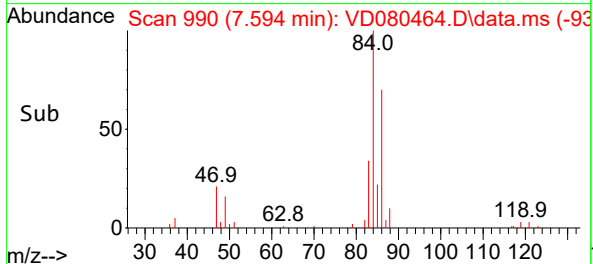
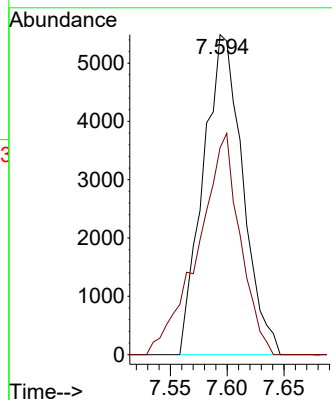
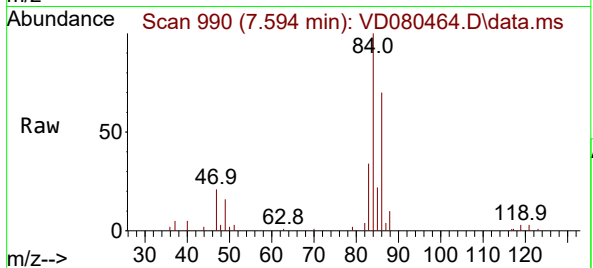
MDL-SOIL-QT2-2025-03

Tgt Ion: 83 Resp: 13261

Ion Ratio Lower Upper

83 100

85 64.6 42.0 78.0



#27

1,2-Dichloroethane

Concen: 1.23 ug/L

RT: 8.323 min Scan# 1114

Delta R.T. -0.006 min

Lab File: VD080464.D

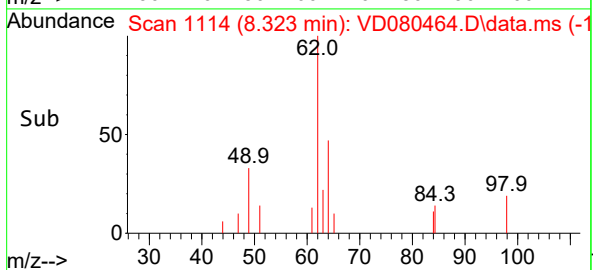
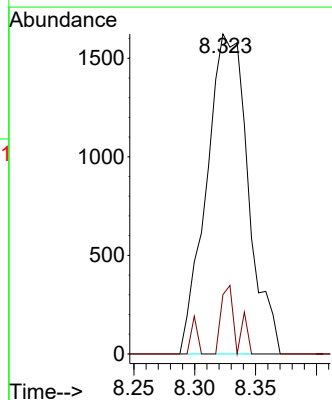
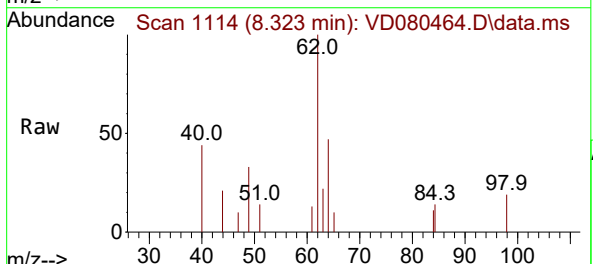
Acq: 20 Jun 2025 12:27

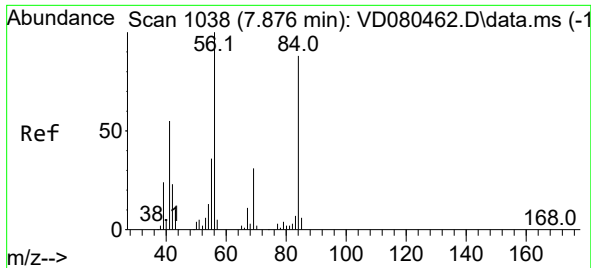
Tgt Ion: 62 Resp: 3864

Ion Ratio Lower Upper

62 100

98 18.5 9.4 14.2#





#29

Cyclohexane

Concen: 0.95 ug/L m

RT: 7.876 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

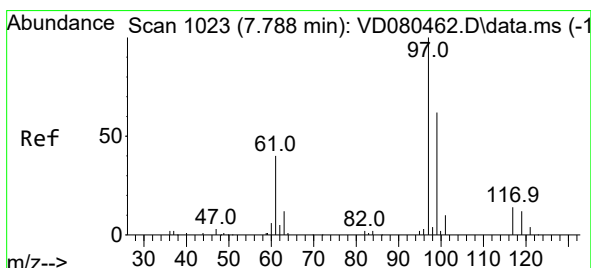
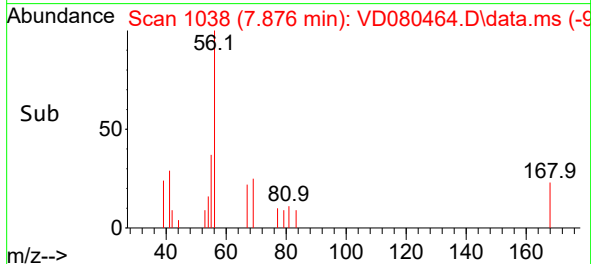
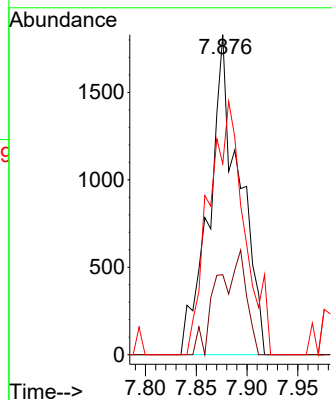
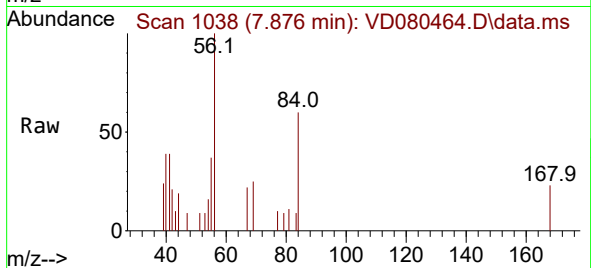
Tgt Ion: 56 Resp: 3785

Ion Ratio Lower Upper

56 100

69 14.8 25.7 38.5#

84 88.4 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 1.20 ug/L

RT: 7.788 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

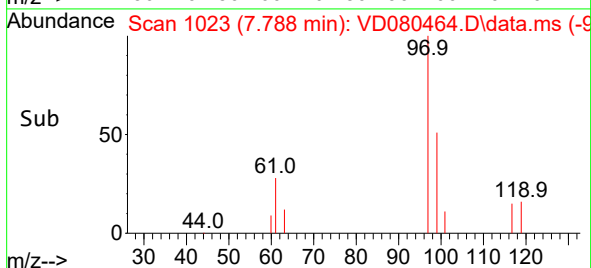
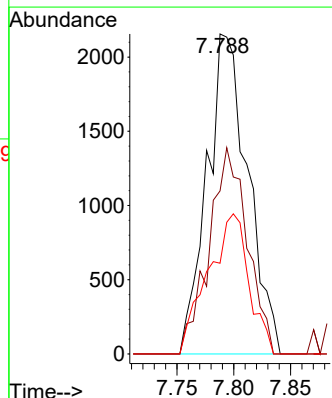
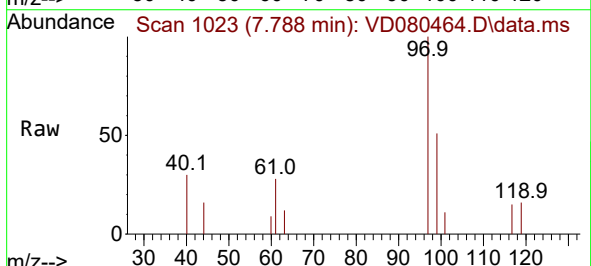
Tgt Ion: 97 Resp: 5383

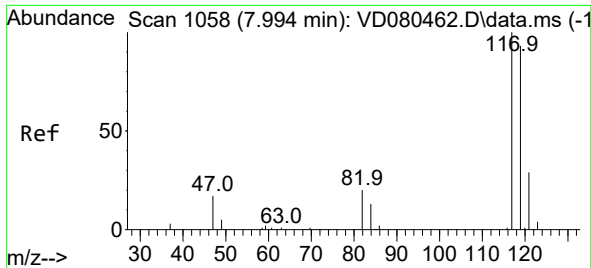
Ion Ratio Lower Upper

97 100

99 60.4 51.1 76.7

61 26.1 32.4 48.6#

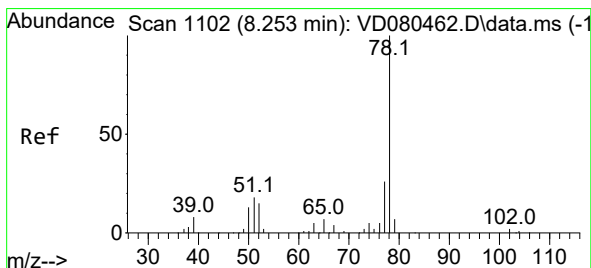
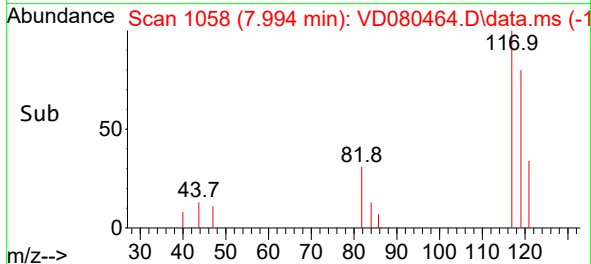
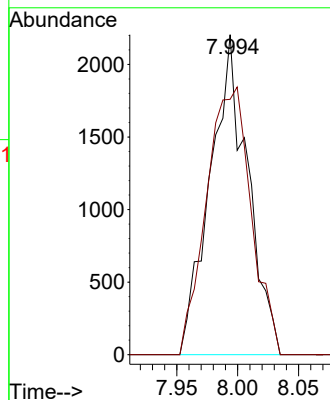
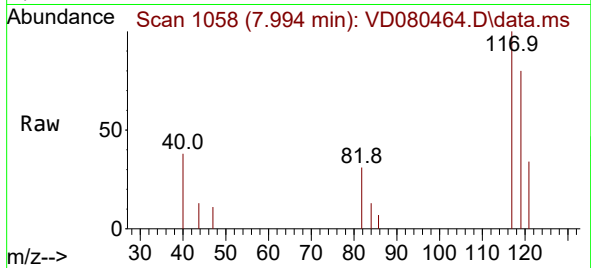




#31
Carbon tetrachloride
Concen: 1.09 ug/L
RT: 7.994 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

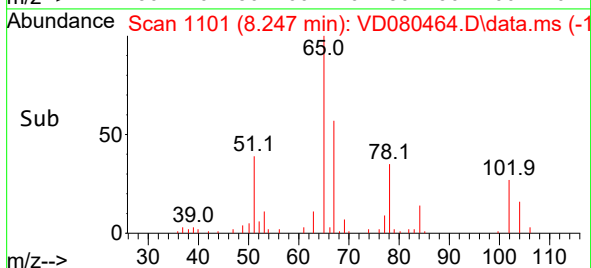
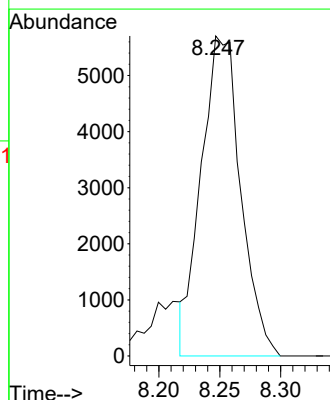
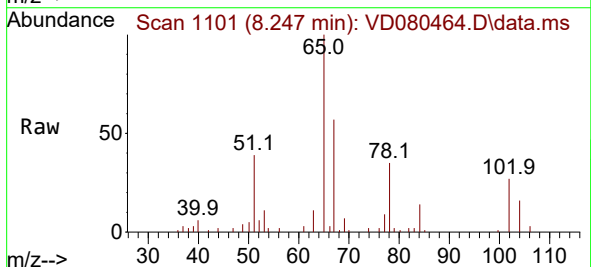
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

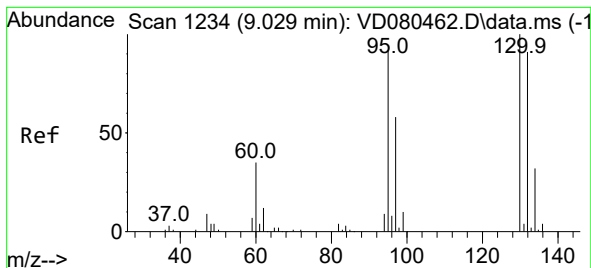
Tgt Ion:117 Resp: 4717
Ion Ratio Lower Upper
117 100
119 99.6 77.2 115.8



#33
Benzene
Concen: 1.23 ug/L
RT: 8.247 min Scan# 1101
Delta R.T. -0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion: 78 Resp: 12858





#34

Trichloroethene

Concen: 1.26 ug/L

RT: 9.023 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

Tgt Ion: 95 Resp: 3817

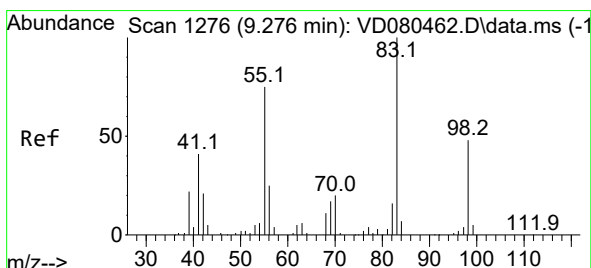
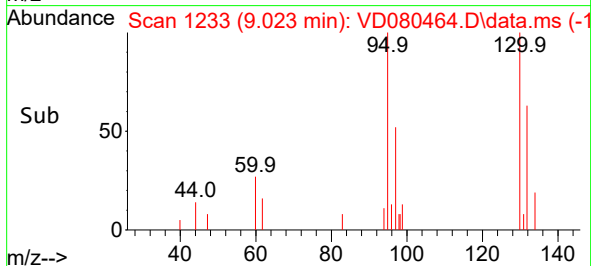
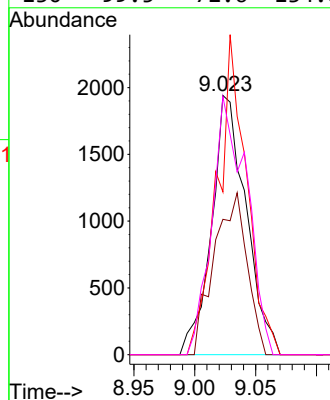
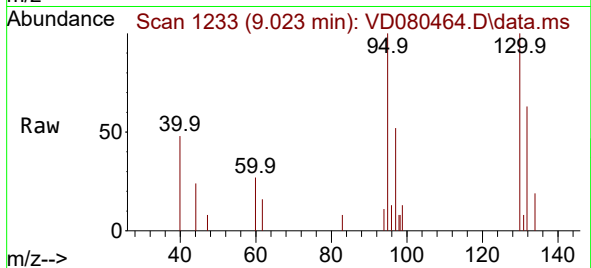
Ion Ratio Lower Upper

95 100

97 52.2 41.5 77.1

132 62.8 69.1 128.3#

130 99.5 72.6 134.8



#35

Methylcyclohexane

Concen: 1.00 ug/L

RT: 9.282 min Scan# 1277

Delta R.T. 0.006 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

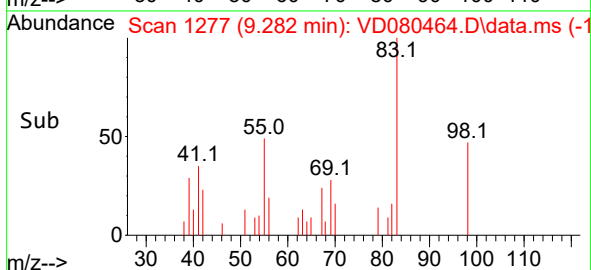
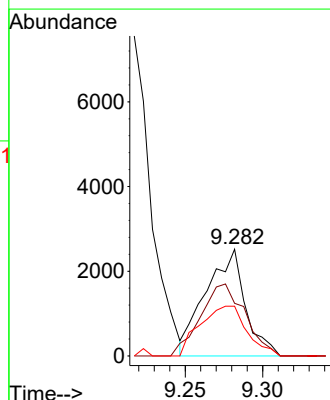
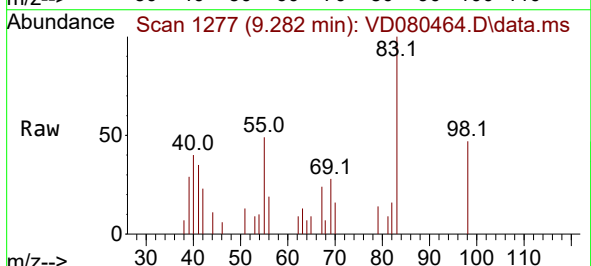
Tgt Ion: 83 Resp: 4456

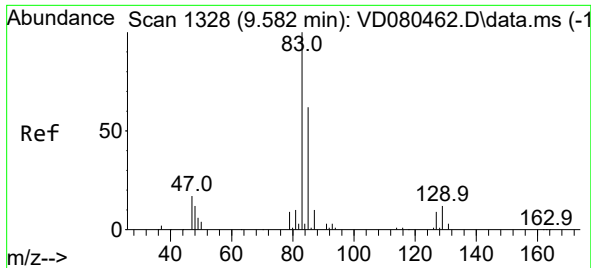
Ion Ratio Lower Upper

83 100

55 76.2 59.7 89.5

98 55.5 38.2 57.2

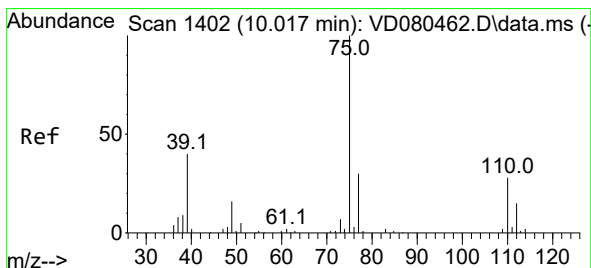
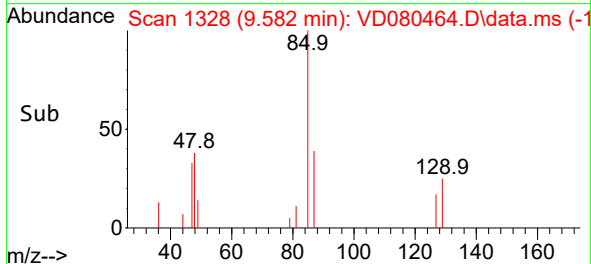
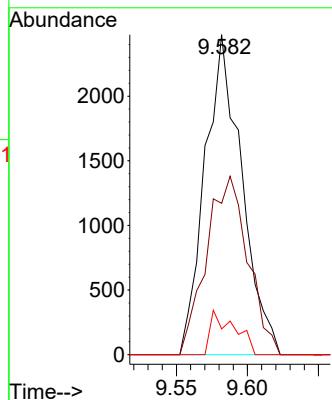
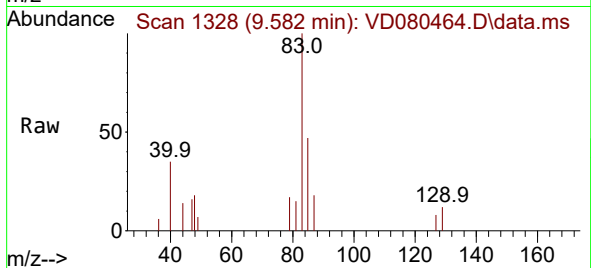




#38
Bromodichloromethane
Concen: 1.16 ug/L
RT: 9.582 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

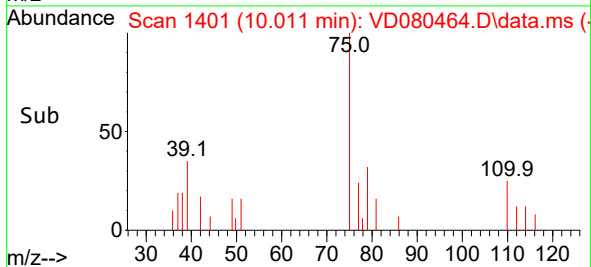
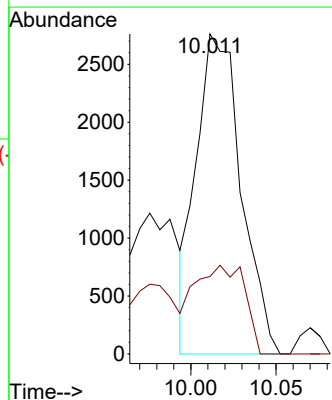
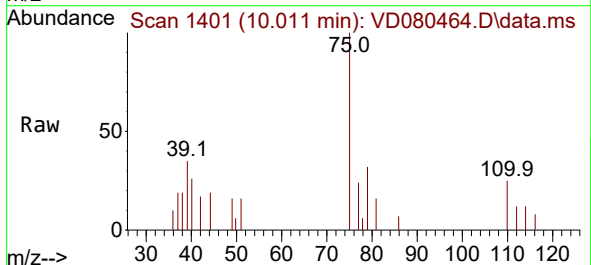
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

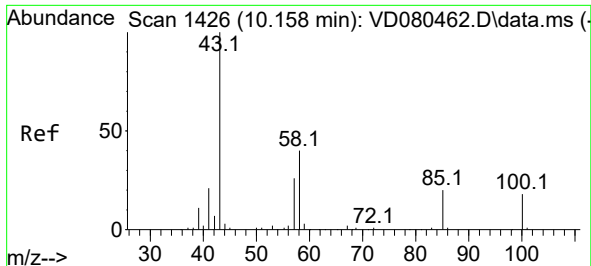
Tgt Ion	83	Resp	4455
Ion	Ratio	Lower	Upper
83	100		
85	47.3	45.2	84.0
127	8.1	6.2	9.4



#39
cis-1,3-Dichloropropene
Concen: 1.16 ug/L
RT: 10.011 min Scan# 1401
Delta R.T. -0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion	75	Resp	5051
Ion	Ratio	Lower	Upper
75	100		
77	24.2	24.1	44.7

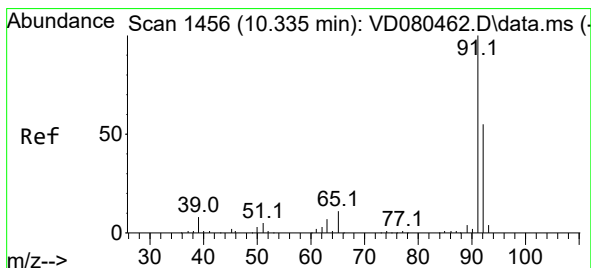
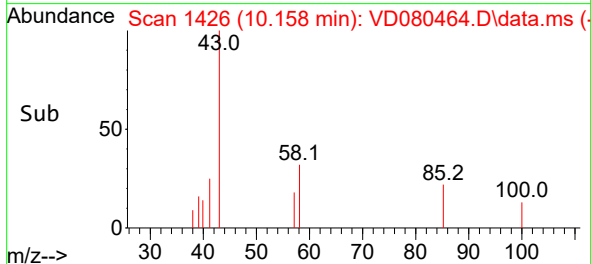
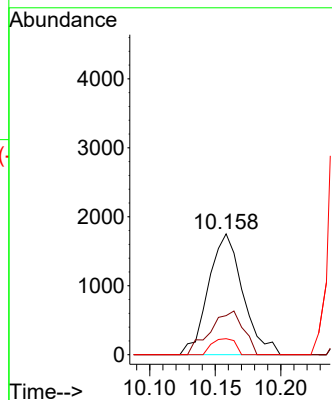
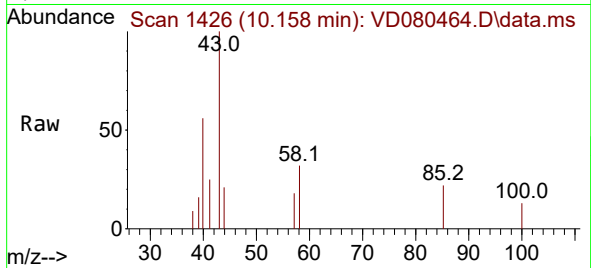




#40
4-Methyl-2-pentanone
Concen: 2.13 ug/L
RT: 10.158 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

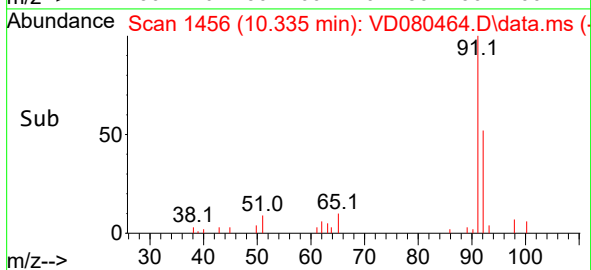
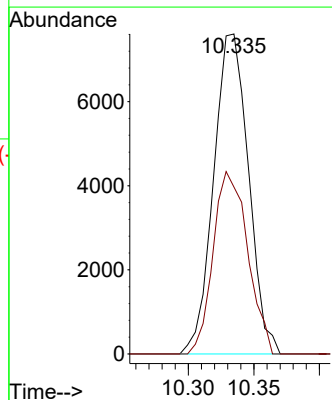
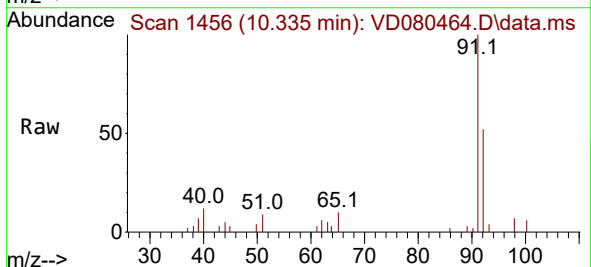
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

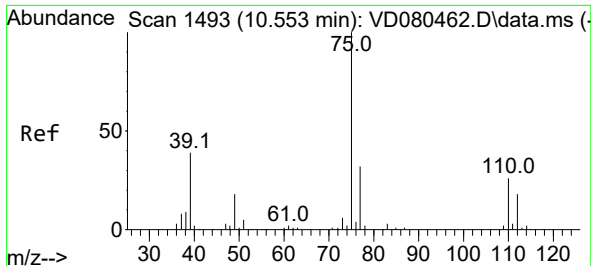
Tgt Ion: 43 Resp: 3193
Ion Ratio Lower Upper
43 100
58 35.0 31.7 47.5
100 8.9 13.4 20.0#



#42
Toluene
Concen: 1.22 ug/L
RT: 10.335 min Scan# 1456
Delta R.T. -0.000 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion: 91 Resp: 14076
Ion Ratio Lower Upper
91 100
92 52.2 42.6 79.0

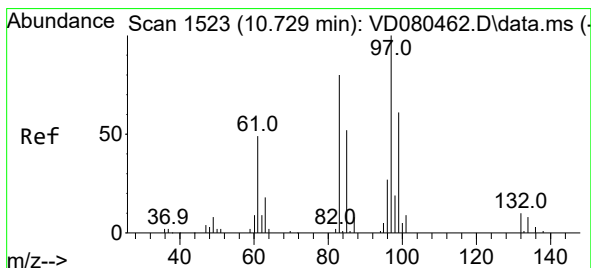
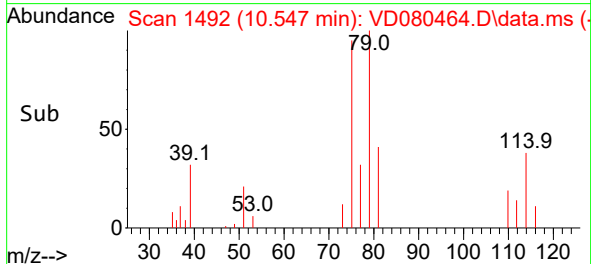
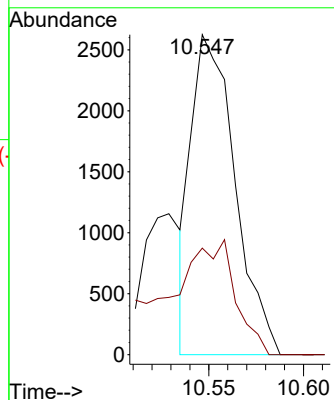
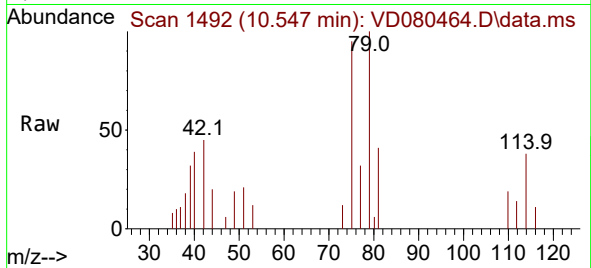




#44
trans-1,3-Dichloropropene
Concen: 1.14 ug/L
RT: 10.547 min Scan# 1492
Delta R.T. -0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

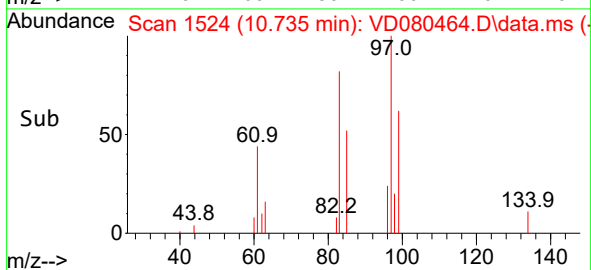
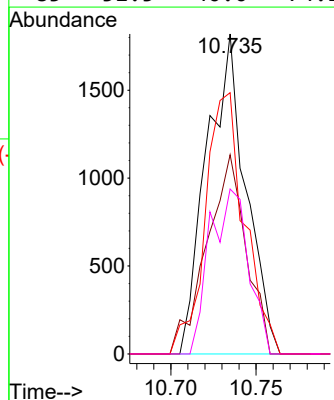
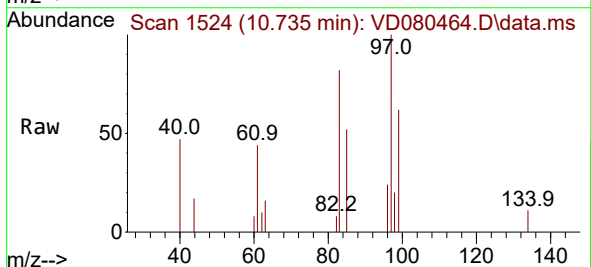
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

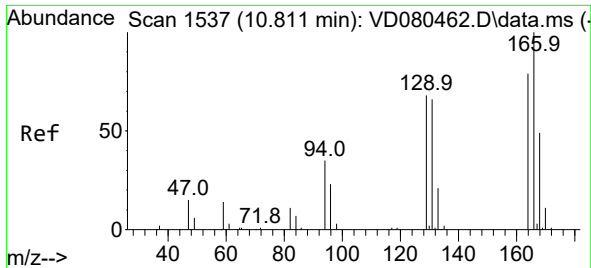
Tgt Ion: 75 Resp: 4203
Ion Ratio Lower Upper
75 100
77 33.3 21.8 40.6



#45
1,1,2-Trichloroethane
Concen: 1.23 ug/L
RT: 10.735 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion: 97 Resp: 2917
Ion Ratio Lower Upper
97 100
99 62.3 46.5 86.3
83 81.6 58.5 108.7
85 51.5 40.0 74.2



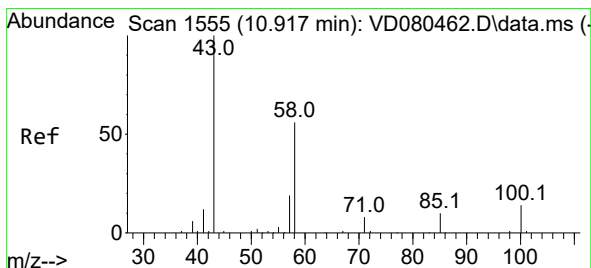
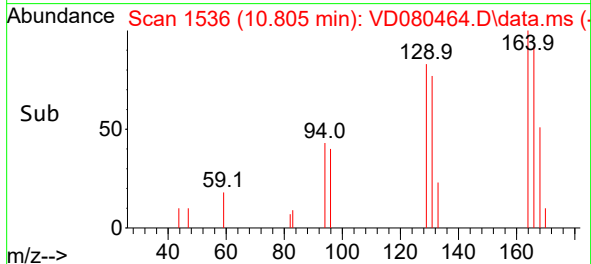
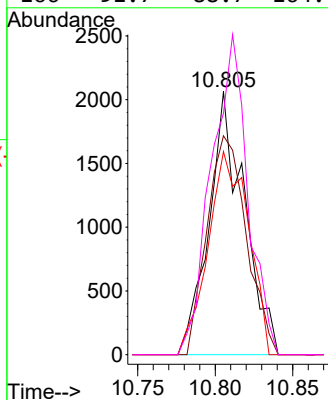
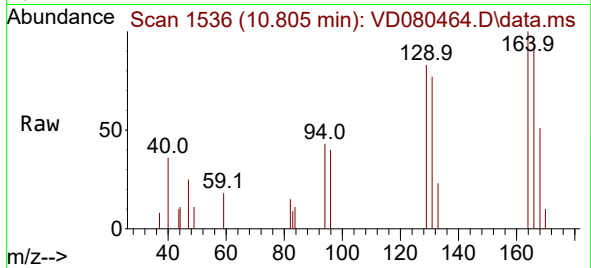


#46
Tetrachloroethene
Concen: 1.21 ug/L
RT: 10.805 min Scan# 1536
Delta R.T. -0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

Tgt Ion:164 Resp: 3267

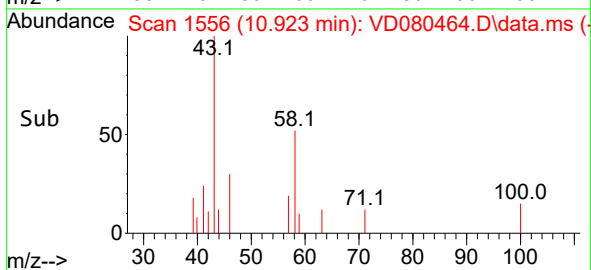
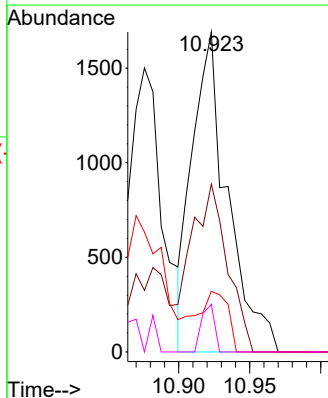
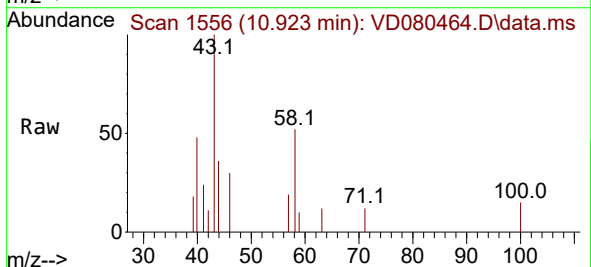
Ion	Ratio	Lower	Upper
164	100		
129	83.1	59.7	110.9
131	77.1	58.7	109.1
166	91.7	88.7	164.7

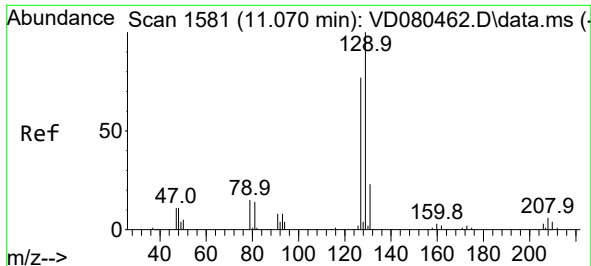


#48
2-Hexanone
Concen: 2.68 ug/L
RT: 10.923 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion: 43 Resp: 2928

Ion	Ratio	Lower	Upper
43	100		
58	55.6	43.8	65.6
57	13.0	15.6	23.4#
100	5.5	9.8	14.6#





#49

Dibromochloromethane

Concen: 1.21 ug/L

RT: 11.076 min Scan# 1582

Delta R.T. 0.006 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Instrument :

MSVOA_D

ClientSampleId :

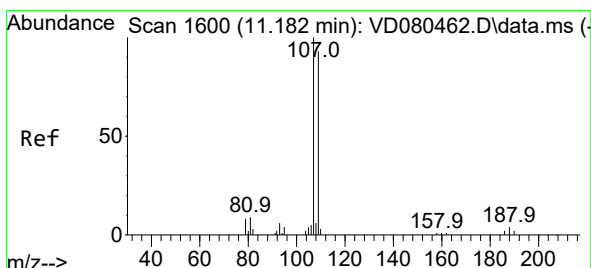
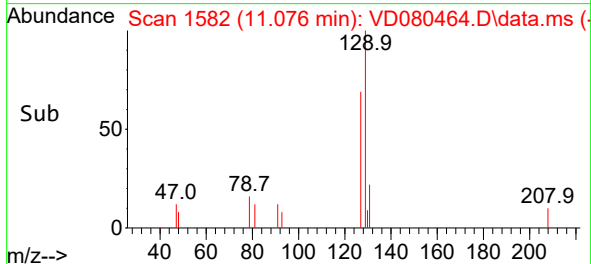
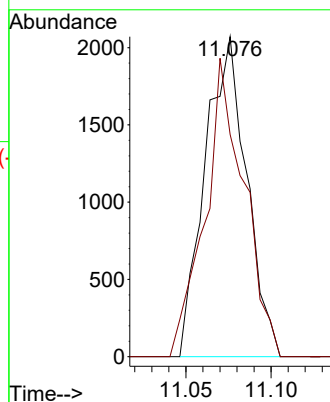
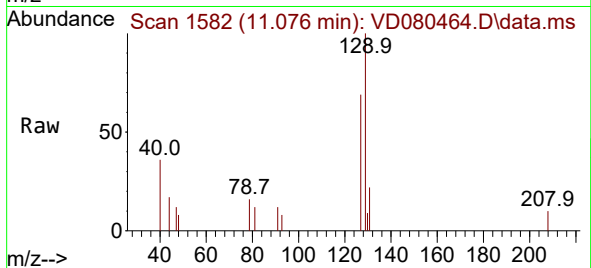
MDL-SOIL-QT2-2025-03

Tgt Ion:129 Resp: 3514

Ion Ratio Lower Upper

129 100

127 69.4 54.1 100.5



#50

1,2-Dibromoethane

Concen: 1.17 ug/L m

RT: 11.170 min Scan# 1598

Delta R.T. -0.012 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

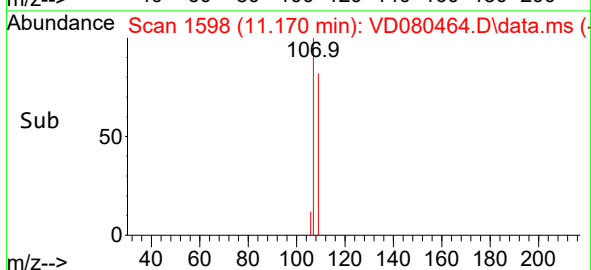
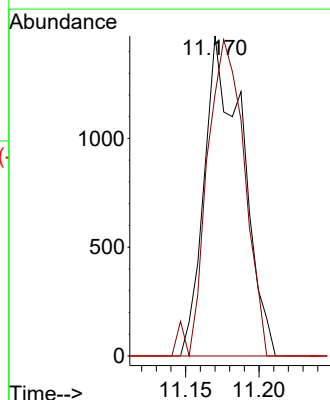
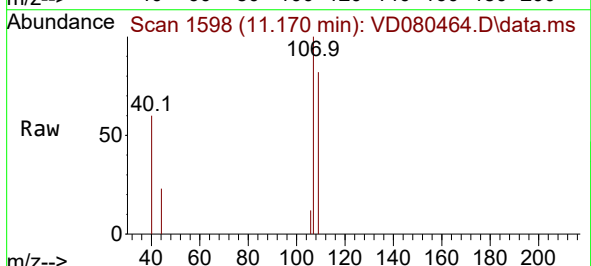
Tgt Ion:107 Resp: 2675

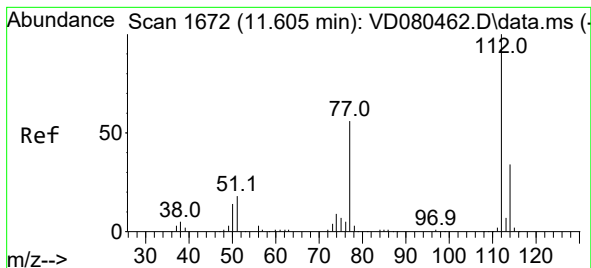
Ion Ratio Lower Upper

107 100

109 81.8 69.8 129.6

188 0.0 2.9 4.3#

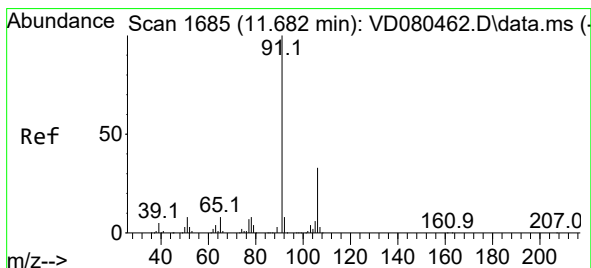
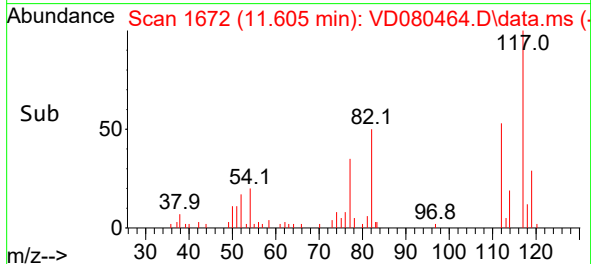
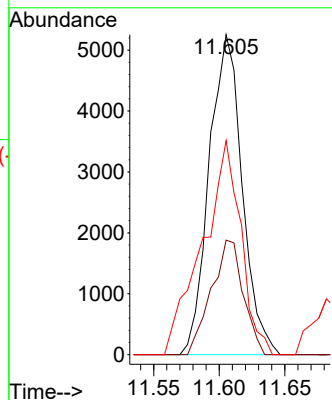
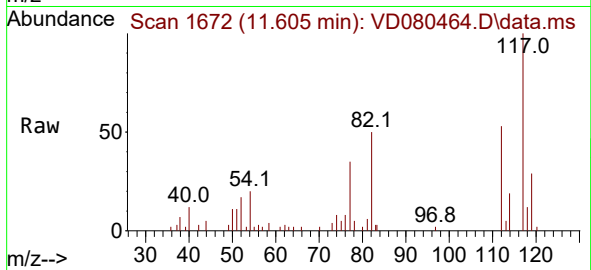




#51
Chlorobenzene
Concen: 1.15 ug/L
RT: 11.605 min Scan# 1112
Delta R.T. -0.000 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

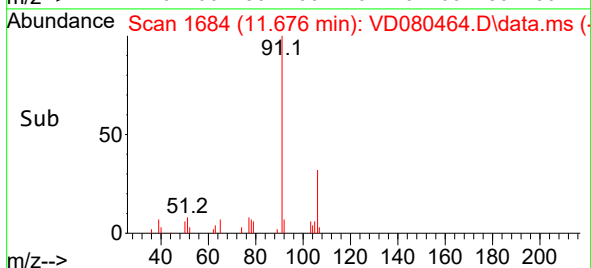
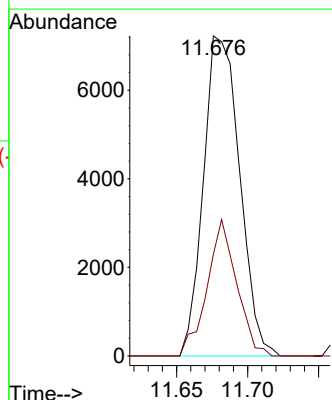
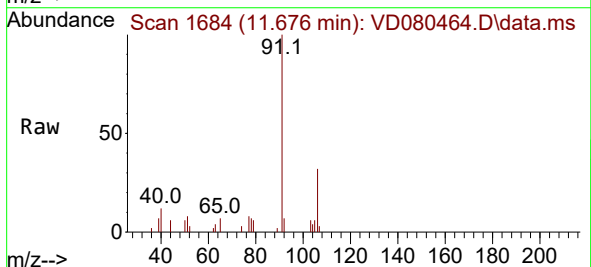
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

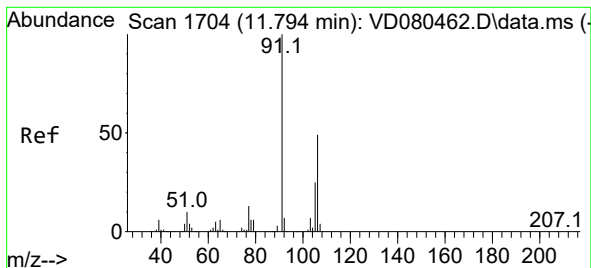
Tgt Ion:112 Resp: 9209
Ion Ratio Lower Upper
112 100
114 35.8 22.3 41.3
77 66.9 44.2 66.4#



#52
Ethylbenzene
Concen: 1.02 ug/L
RT: 11.676 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion: 91 Resp: 12804
Ion Ratio Lower Upper
91 100
106 31.7 22.1 41.1





#53

m,p-Xylene

Concen: 1.02 ug/L

RT: 11.794 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Instrument :

MSVOA_D

ClientSampleId :

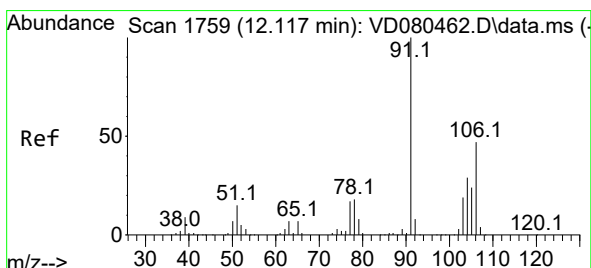
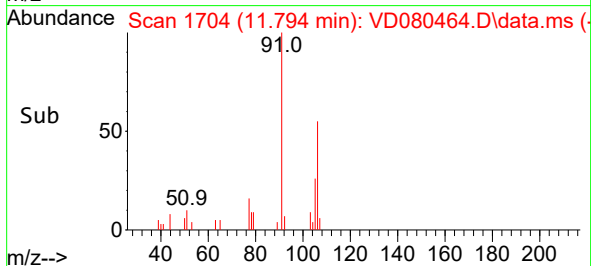
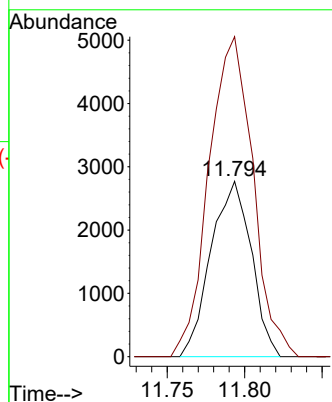
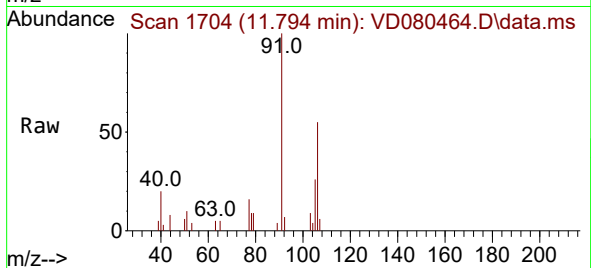
MDL-SOIL-QT2-2025-03

Tgt Ion:106 Resp: 5022

Ion Ratio Lower Upper

106 100

91 182.5 134.1 249.1



#54

o-Xylene

Concen: 0.97 ug/L

RT: 12.117 min Scan# 1759

Delta R.T. -0.000 min

Lab File: VD080464.D

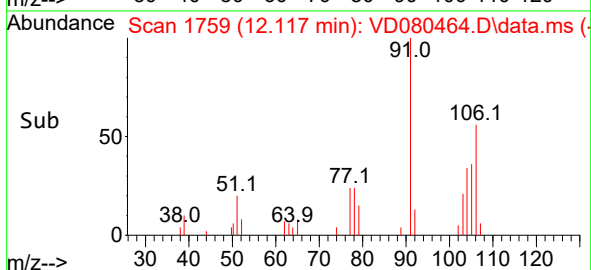
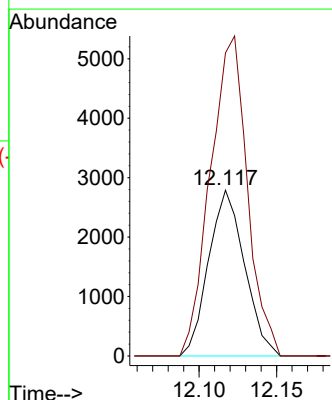
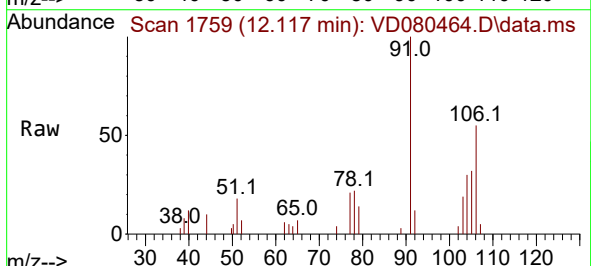
Acq: 20 Jun 2025 12:27

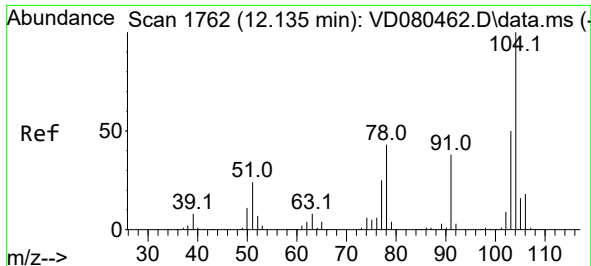
Tgt Ion:106 Resp: 4499

Ion Ratio Lower Upper

106 100

91 182.8 148.3 275.3

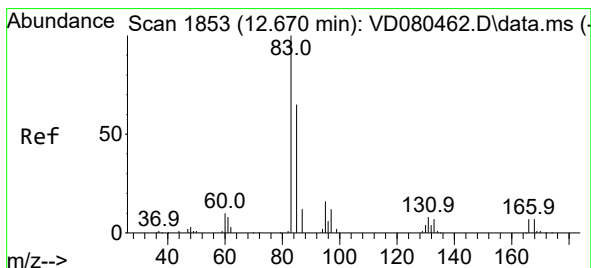
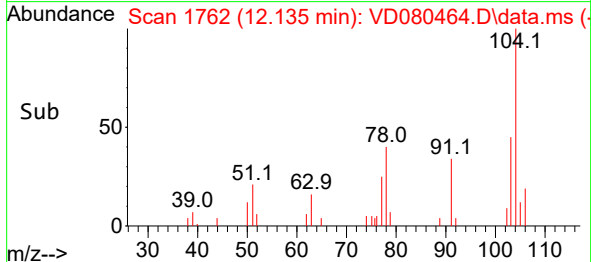
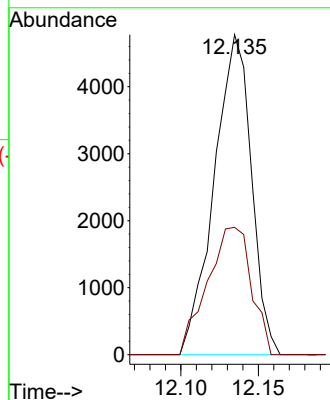
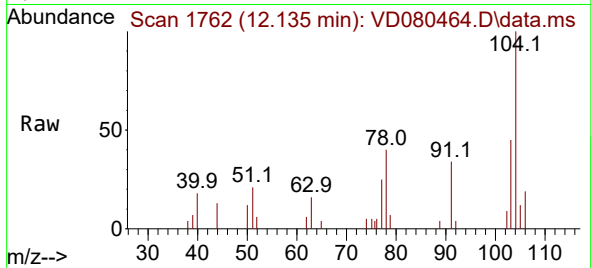




#55
Styrene
Concen: 0.97 ug/L
RT: 12.135 min Scan# 1762
Delta R.T. -0.000 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

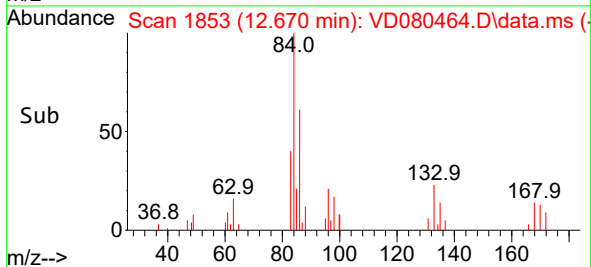
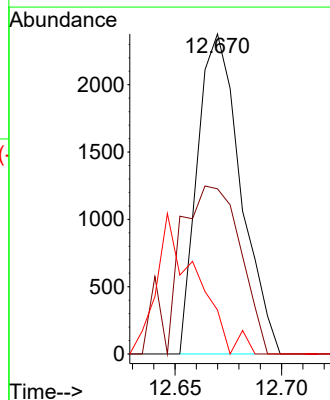
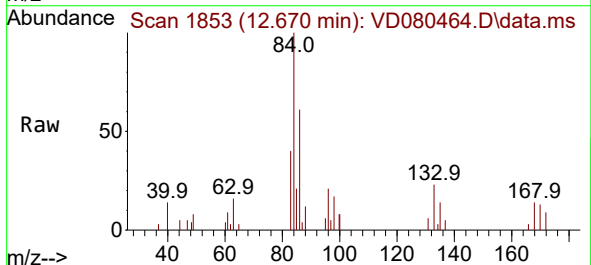
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

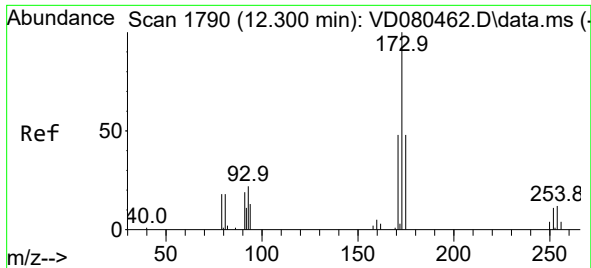
Tgt Ion:104 Resp: 7982
Ion Ratio Lower Upper
104 100
78 39.8 30.0 55.8



#57
1,1,2,2-Tetrachloroethane
Concen: 1.16 ug/L
RT: 12.670 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion: 83 Resp: 3358
Ion Ratio Lower Upper
83 100
85 51.6 42.8 79.6
131 13.8 7.8 11.8#

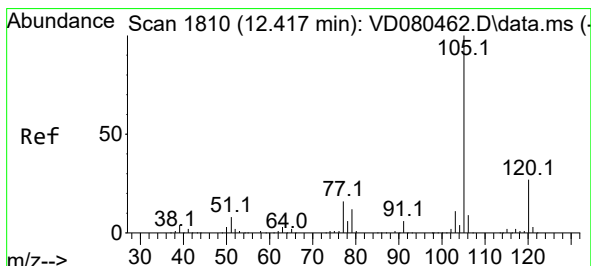
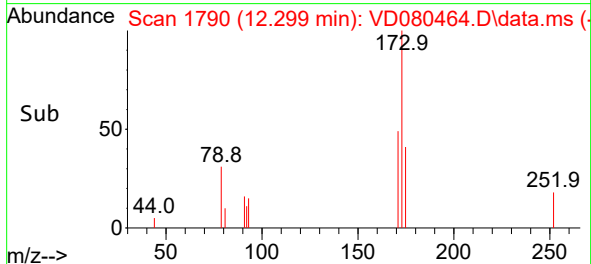
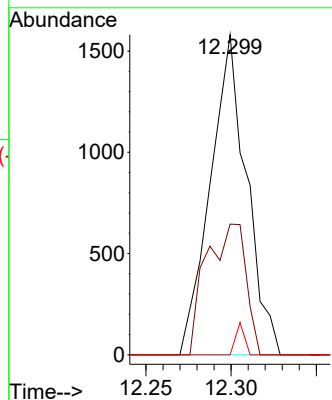
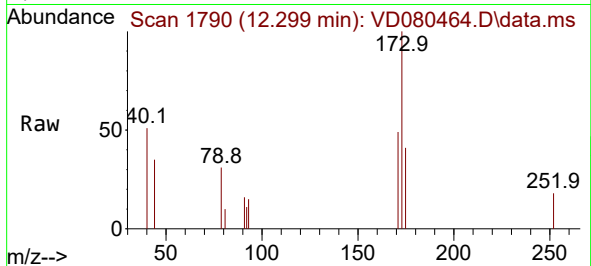




#59
Bromoform
Concen: 1.37 ug/L
RT: 12.299 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

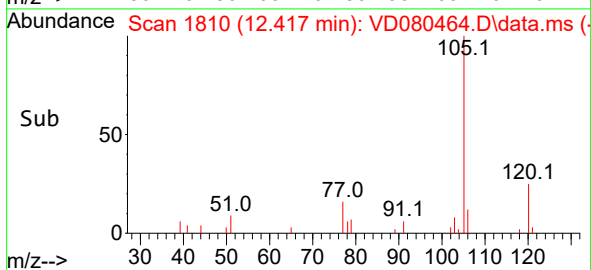
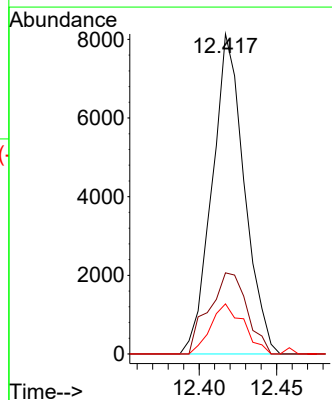
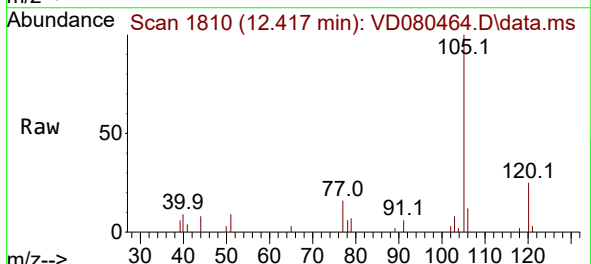
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

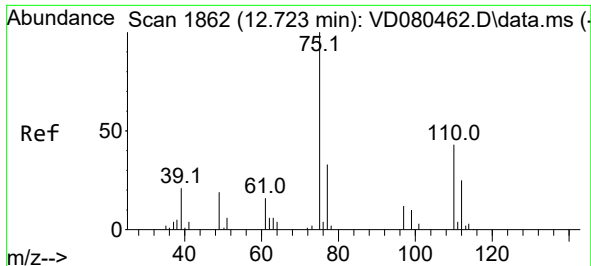
Tgt Ion:173 Resp: 2338
Ion Ratio Lower Upper
173 100
175 23.1 38.2 57.4#
254 0.0 9.0 13.4#



#60
Isopropylbenzene
Concen: 1.14 ug/L
RT: 12.417 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion:105 Resp: 11754
Ion Ratio Lower Upper
105 100
120 30.0 22.1 33.1
77 16.1 12.1 18.1

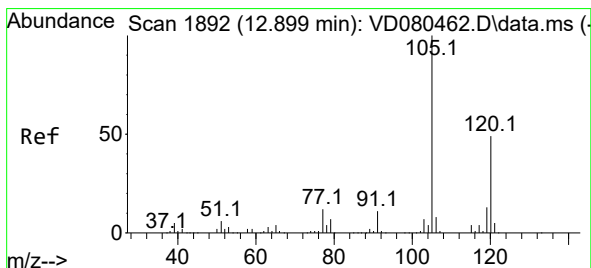
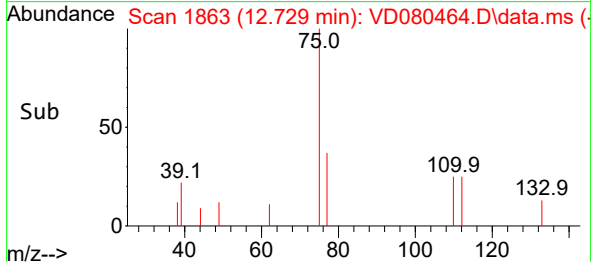
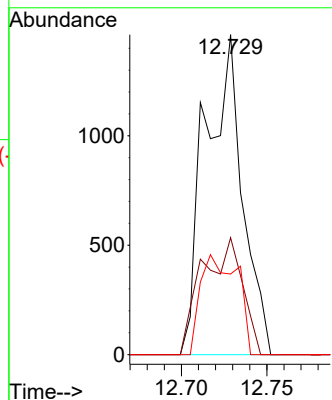
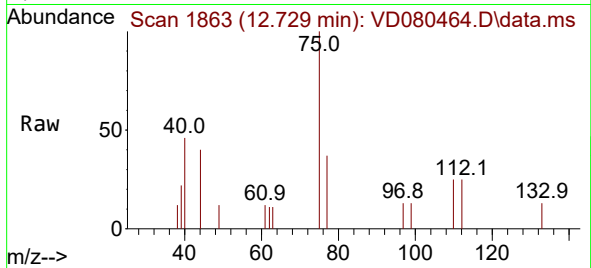




#61
1,2,3-Trichloropropane
Concen: 1.35 ug/L m
RT: 12.729 min Scan# 1863
Delta R.T. 0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

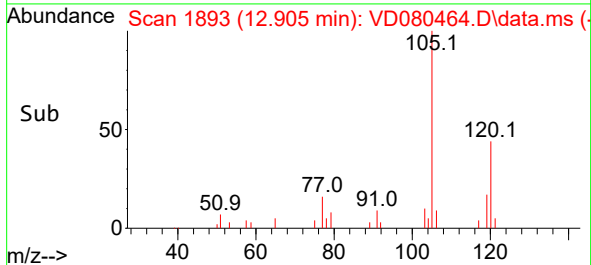
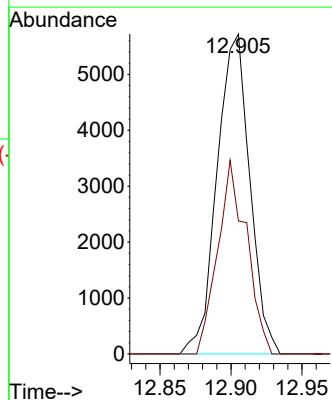
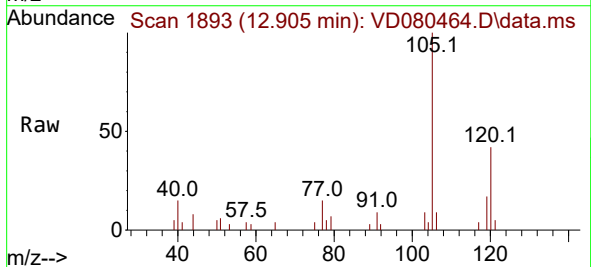
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

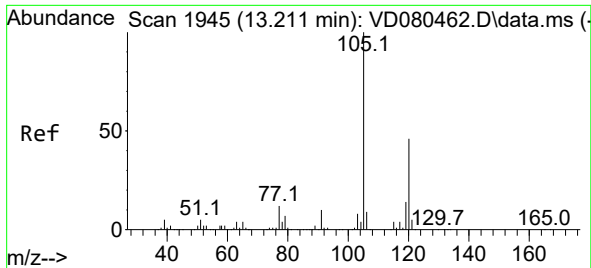
Tgt Ion: 75 Resp: 2207
Ion Ratio Lower Upper
75 100
77 17.1 26.8 40.2#
110 6.5 33.0 49.4#



#62
1,3,5-Trimethylbenzene
Concen: 1.16 ug/L
RT: 12.905 min Scan# 1893
Delta R.T. 0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion: 105 Resp: 9189
Ion Ratio Lower Upper
105 100
120 53.2 40.1 60.1

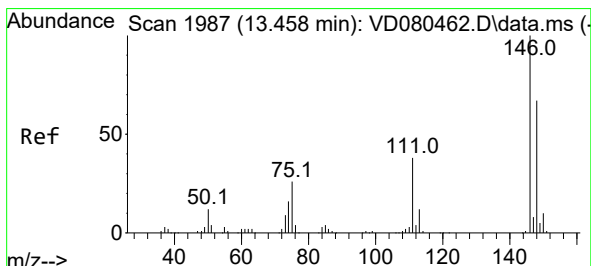
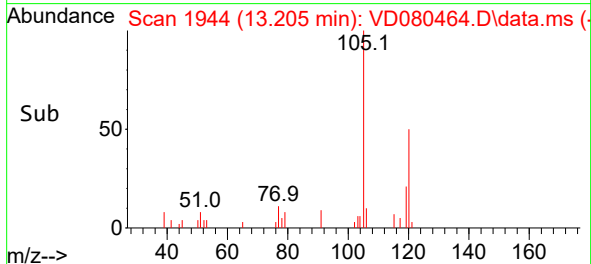
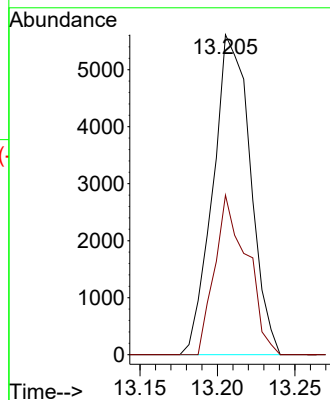
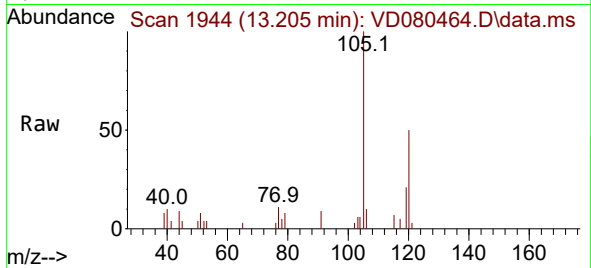




#63
1,2,4-Trimethylbenzene
Concen: 1.20 ug/L
RT: 13.205 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

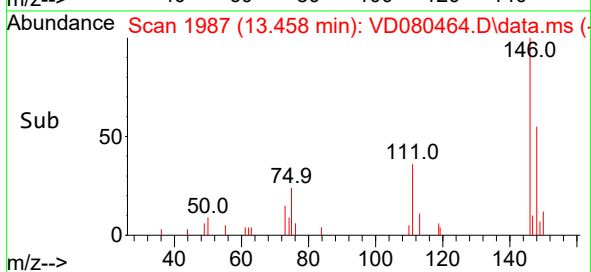
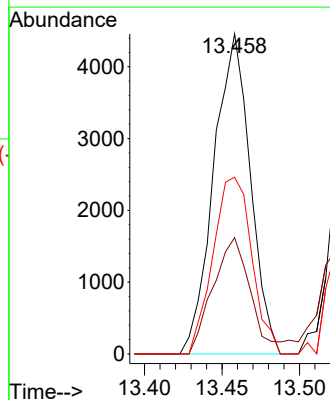
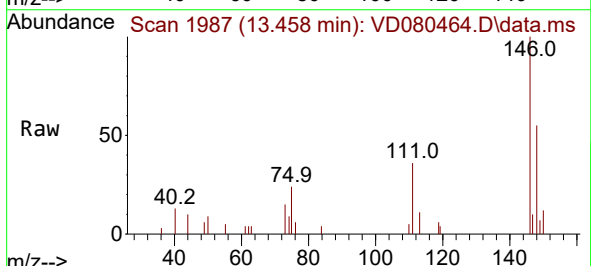
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

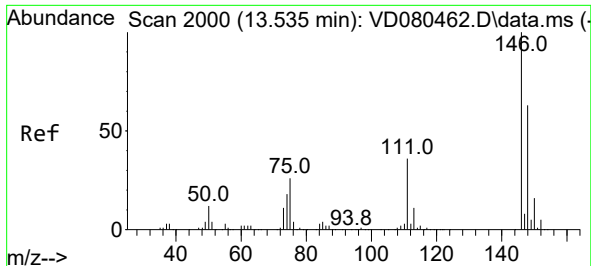
Tgt Ion:105 Resp: 9412
Ion Ratio Lower Upper
105 100
120 43.1 37.5 56.3



#64
1,3-Dichlorobenzene
Concen: 1.36 ug/L
RT: 13.458 min Scan# 1987
Delta R.T. -0.000 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion:146 Resp: 7322
Ion Ratio Lower Upper
146 100
111 36.3 25.4 47.2
148 55.3 42.8 79.6

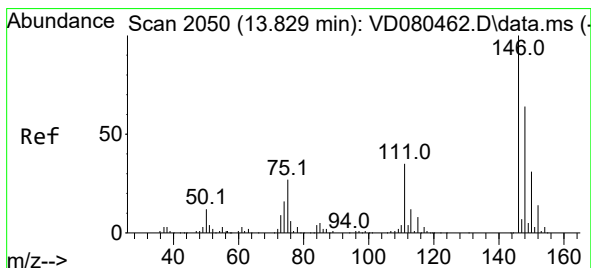
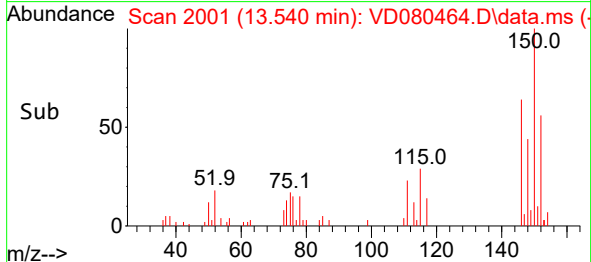
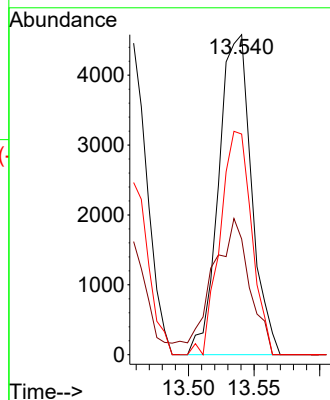
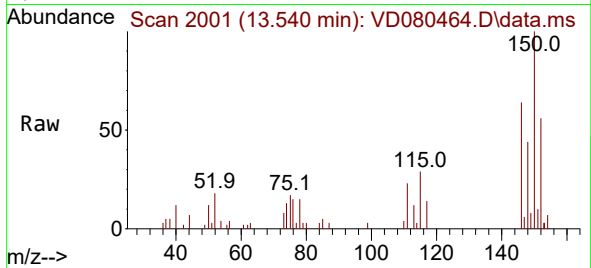




#65
1,4-Dichlorobenzene
Concen: 1.42 ug/L
RT: 13.540 min Scan# 2000
Delta R.T. 0.006 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

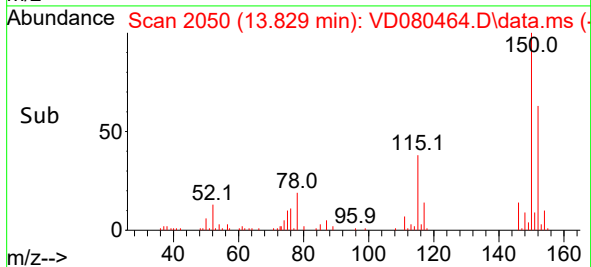
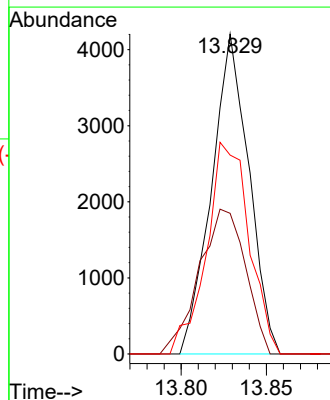
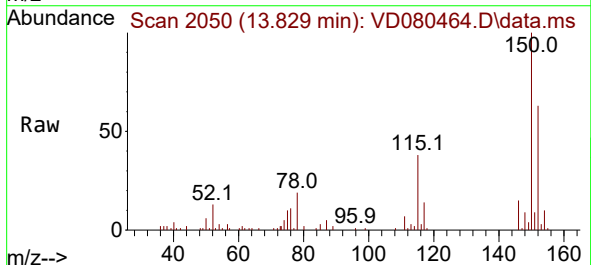
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

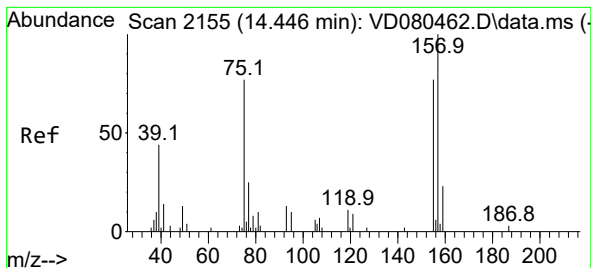
Tgt Ion:146 Resp: 7949
Ion Ratio Lower Upper
146 100
111 36.1 24.5 45.5
148 69.0 44.6 82.8



#67
1,2-Dichlorobenzene
Concen: 1.31 ug/L
RT: 13.829 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

Tgt Ion:146 Resp: 6398
Ion Ratio Lower Upper
146 100
111 44.0 32.0 48.0
148 62.2 49.7 74.5





#68

1,2-Dibromo-3-chloropropane

Concen: 0.89 ug/L m

RT: 14.452 min Scan# 2155

Delta R.T. 0.006 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

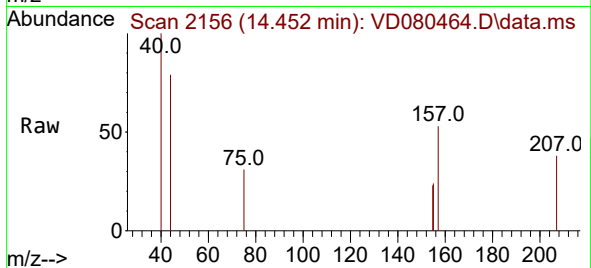
Tgt Ion: 75 Resp: 340

Ion Ratio Lower Upper

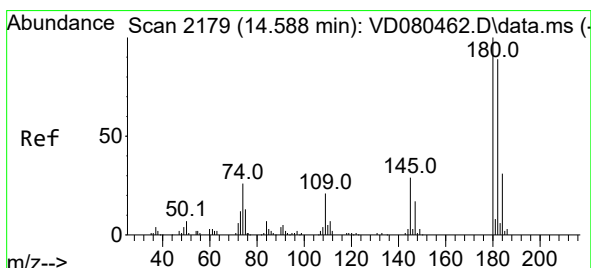
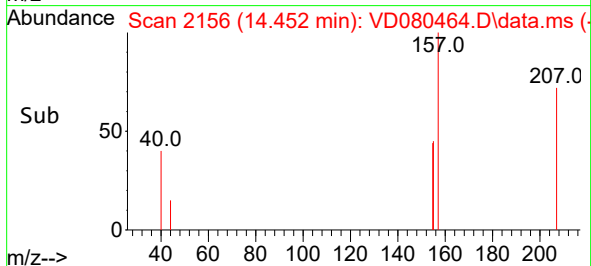
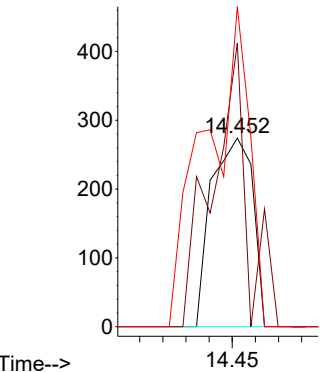
75 100

155 75.5 86.2 129.2#

157 169.7 94.0 141.0#



Abundance



#69

1,3,5-Trichlorobenzene

Concen: 1.03 ug/L

RT: 15.523 min Scan# 2338

Delta R.T. 0.935 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Tgt Ion:180 Resp: 3821

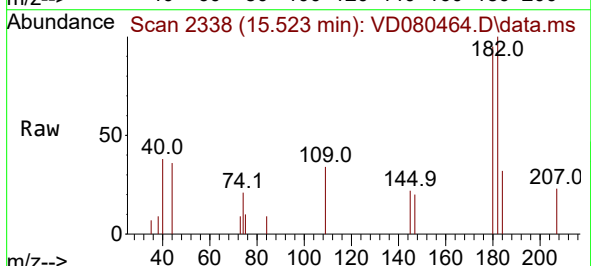
Ion Ratio Lower Upper

180 100

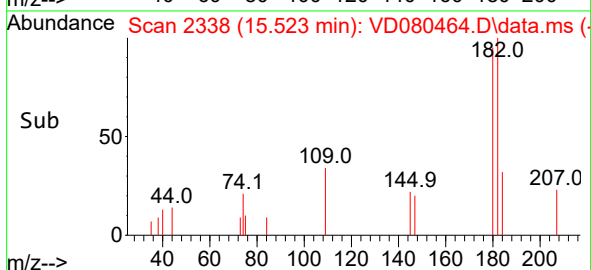
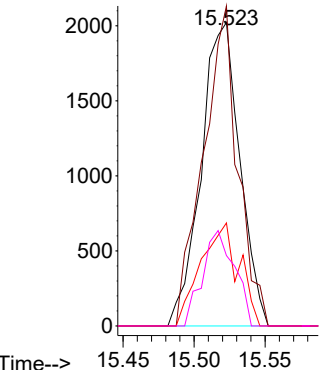
182 94.2 77.0 115.4

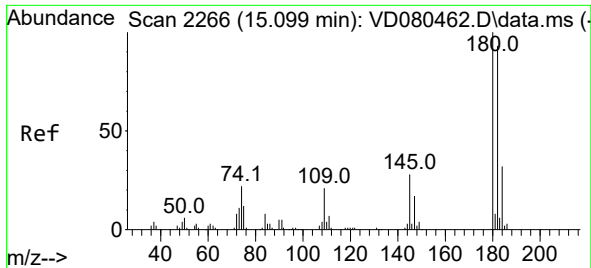
184 33.5 24.9 37.3

145 26.1 22.3 33.5



Abundance

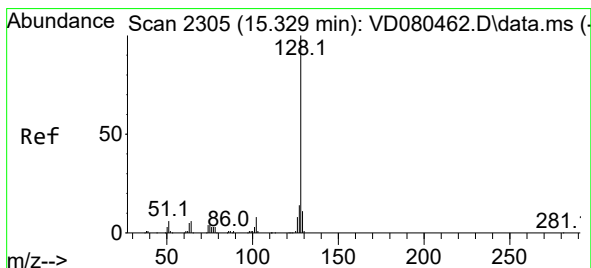
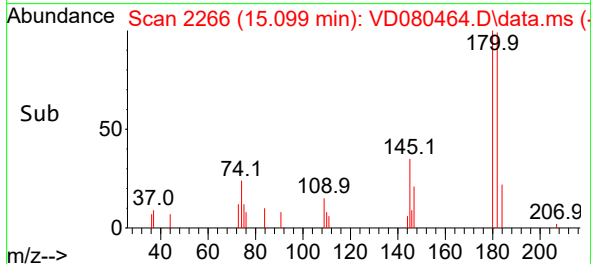
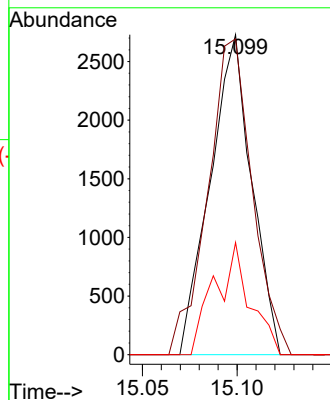
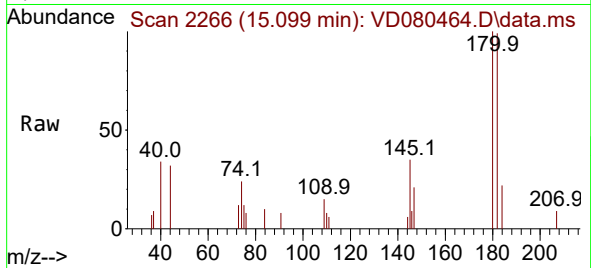




#70
1,2,4-trichlorobenzene
Concen: 1.36 ug/L
RT: 15.099 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

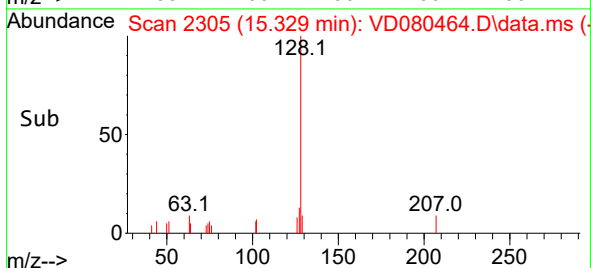
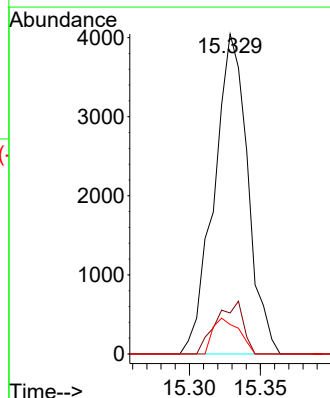
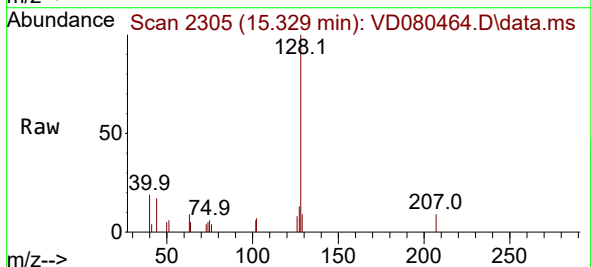
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

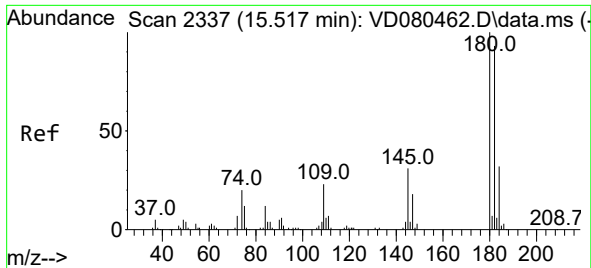
Tgt Ion:180 Resp: 4141
Ion Ratio Lower Upper
180 100
182 106.0 76.0 114.0
145 16.9 22.2 33.4#



#71
Naphthalene
Concen: 1.21 ug/L
RT: 15.329 min Scan# 2305
Delta R.T. -0.000 min
Lab File: VD080464.D
Acq: 20 Jun 2025 12:27

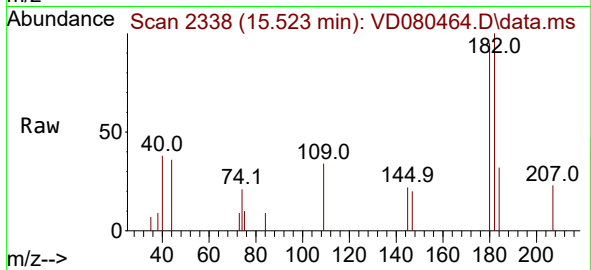
Tgt Ion:128 Resp: 6682
Ion Ratio Lower Upper
128 100
127 13.2 11.0 16.6
129 8.7 9.0 13.4#





#72
 1,2,3-Trichlorobenzene
 Concen: 1.34 ug/L
 RT: 15.523 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VD080464.D
 Acq: 20 Jun 2025 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2025-03



Tgt Ion:180	Resp:	3821
Ion	Ratio	Lower Upper
180	100	
182	94.2	74.7 112.1
145	26.1	24.2 36.4

