

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061825\
 Data File : VD080454.D
 Acq On : 18 Jun 2025 14:05
 Operator : RP/MD
 Sample : Q2117-03
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 19 09:21:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jun 19 09:10:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	179737	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	177087	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	85085	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	60230	19.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.08%
7) Chloroethane-d5	2.806	69	57290	22.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.12%
11) 1,1-Dichloroethene-d2	3.923	65	21401	20.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.24%
21) 2-Butanone-d5	6.994	46	20978	41.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.04%
24) Chloroform-d	7.564	84	101082	20.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.68%
26) 1,2-Dichloroethane-d4	8.229	65	57638	22.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.12%
32) Benzene-d6	8.200	84	209261	21.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.96%
36) 1,2-Dichloropropane-d6	9.205	67	70400	22.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.12%
41) Toluene-d8	10.270	98	197316	21.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.72%
43) trans-1,3-Dichloroprop...	10.523	79	30137	22.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.56%
47) 2-Hexanone-d5	10.876	63	20363	41.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.94%
56) 1,1,2,2-Tetrachloroeth...	12.646	84	63358	21.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.72%
66) 1,2-Dichlorobenzene-d4	13.811	152	74059	24.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.00%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	3087	1.09	ug/L	100
3) Chloromethane	2.147	50	3687	1.38	ug/L	87
5) Vinyl chloride	2.288	62	4220	1.30	ug/L #	48
6) Bromomethane	2.694	94	2598	1.28	ug/L	89
8) Chloroethane	2.835	64	2693	1.20	ug/L	93
9) Trichlorofluoromethane	3.182	101	4968	1.11	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	1412	0.51	ug/L #	86
12) 1,1-Dichloroethene	3.941	96	732	0.32	ug/L #	1
13) Acetone	4.017	43	803	1.86	ug/L #	39
14) Carbon disulfide	4.264	76	8338	1.09	ug/L #	93
15) Methyl Acetate	4.564	43	907	0.87	ug/L #	79
16) Methylene chloride	4.806	84	13959	5.01	ug/L	81
18) Methyl tert-butyl Ether	5.317	73	1308	0.28	ug/L #	58
19) 1,1-Dichloroethane	6.106	63	5419	1.22	ug/L	97
20) cis-1,2-Dichloroethene	7.076	96	2735	1.06	ug/L	84
23) Bromochloromethane	7.429	128	1801	1.30	ug/L #	62
25) Chloroform	7.594	83	19782	3.88	ug/L	95
27) 1,2-Dichloroethane	8.323	62	3858	1.35	ug/L #	69
29) Cyclohexane	7.882	56	3118	0.85	ug/L #	69

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 Quant Title : SFAM01.0
 QLast Update : Thu Jun 19 09:10:19 2025
 Response via : Initial Calibration

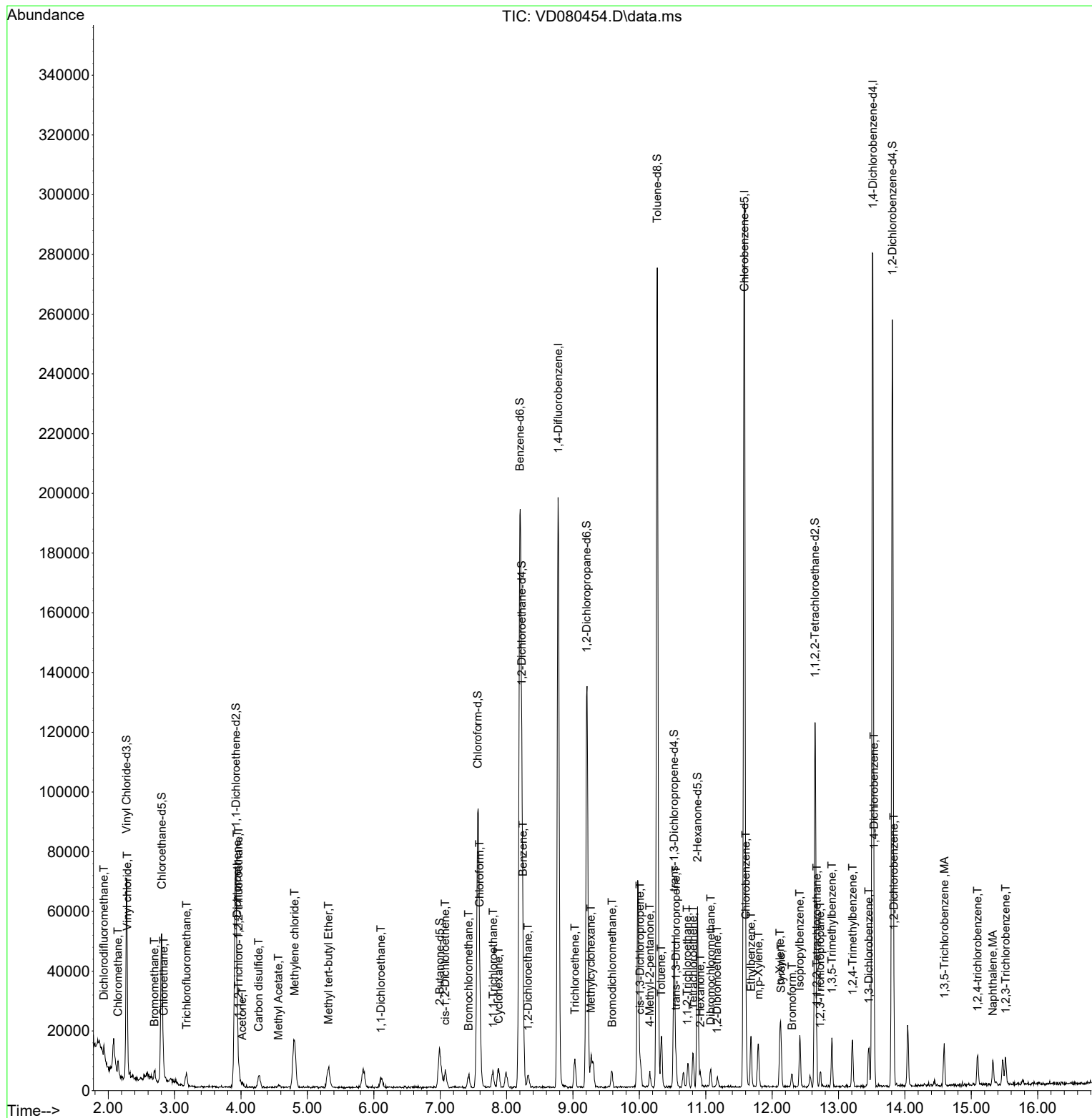
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	7.800	97	2622	0.63	ug/L #	67
33) Benzene	8.247	78	11278	1.16	ug/L	100
34) Trichloroethene	9.029	95	3623	1.29	ug/L #	84
35) Methylcyclohexane	9.270	83	3463	0.84	ug/L	96
38) Bromodichloromethane	9.588	83	4072	1.14	ug/L #	89
39) cis-1,3-Dichloropropene	10.011	75	4785	1.18	ug/L	90
40) 4-Methyl-2-pentanone	10.158	43	3324	2.39	ug/L	99
42) Toluene	10.329	91	12962	1.21	ug/L	80
44) trans-1,3-Dichloropropene	10.552	75	5418	1.58	ug/L	99
45) 1,1,2-Trichloroethane	10.723	97	2787	1.27	ug/L	90
46) Tetrachloroethene	10.811	164	2795	1.12	ug/L	82
48) 2-Hexanone	10.917	43	2251	2.22	ug/L #	89
49) Dibromochloromethane	11.076	129	3413	1.27	ug/L	89
50) 1,2-Dibromoethane	11.170	107	2644	1.25	ug/L #	67
51) Chlorobenzene	11.605	112	8589	1.16	ug/L	92
52) Ethylbenzene	11.682	91	11732	1.01	ug/L	99
53) m,p-Xylene	11.793	106	4595	1.01	ug/L	85
54) o-Xylene	12.117	106	3858	0.90	ug/L	100
55) Styrene	12.135	104	7662	1.01	ug/L	82
57) 1,1,2,2-Tetrachloroethane	12.676	83	3949	1.47	ug/L #	85
59) Bromoform	12.299	173	2244	1.34	ug/L #	81
60) Isopropylbenzene	12.417	105	10918	1.08	ug/L	99
61) 1,2,3-Trichloropropane	12.723	75	2273	1.42	ug/L	88
62) 1,3,5-Trimethylbenzene	12.899	105	8719	1.12	ug/L	99
63) 1,2,4-Trimethylbenzene	13.211	105	8489	1.11	ug/L	95
64) 1,3-Dichlorobenzene	13.458	146	6729	1.28	ug/L	94
65) 1,4-Dichlorobenzene	13.535	146	6940	1.26	ug/L #	77
67) 1,2-Dichlorobenzene	13.835	146	6790	1.43	ug/L #	85
69) 1,3,5-Trichlorobenzene	14.593	180	4550	1.25	ug/L	91
70) 1,2,4-trichlorobenzene	15.093	180	4099	1.37	ug/L	99
71) Naphthalene	15.323	128	7486	1.38	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.517	180	3679	1.32	ug/L	99

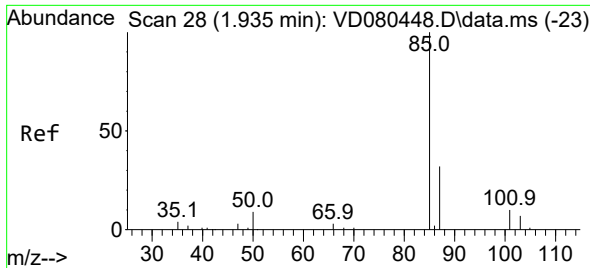
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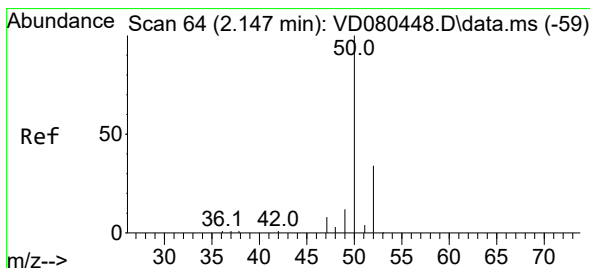
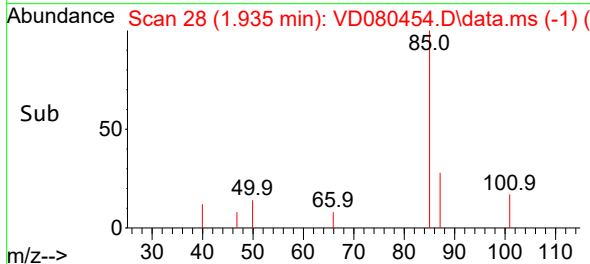
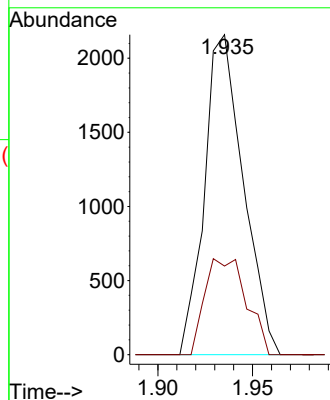
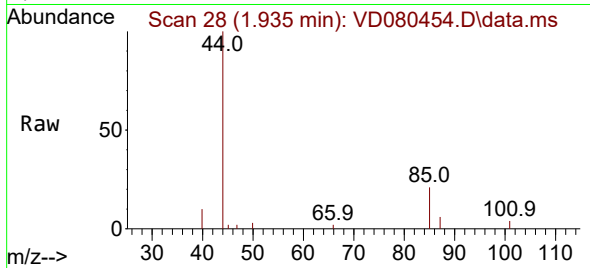




#2
Dichlorodifluoromethane
Concen: 1.09 ug/L
RT: 1.935 min Scan# 28
Delta R.T. 0.000 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

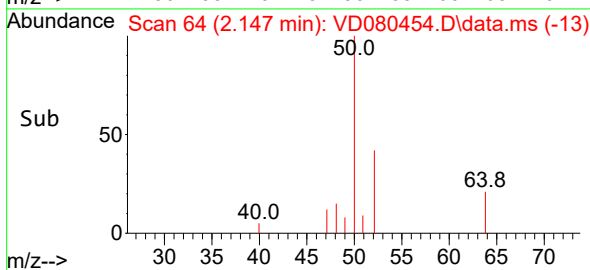
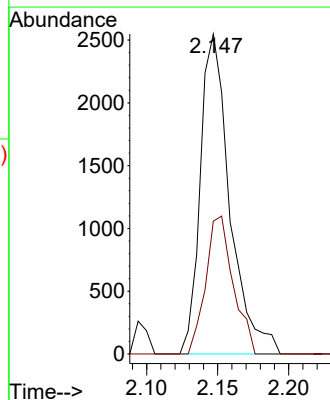
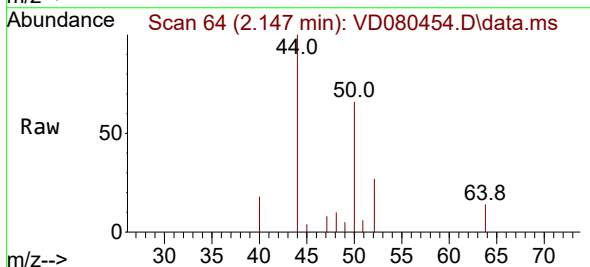
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

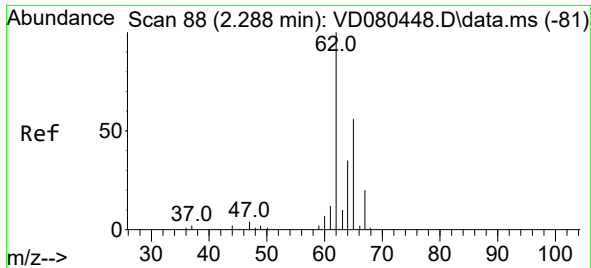
Tgt Ion: 85 Resp: 3087
Ion Ratio Lower Upper
85 100
87 32.1 25.9 38.9



#3
Chloromethane
Concen: 1.38 ug/L
RT: 2.147 min Scan# 64
Delta R.T. -0.000 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

Tgt Ion: 50 Resp: 3687
Ion Ratio Lower Upper
50 100
52 41.5 23.8 44.2

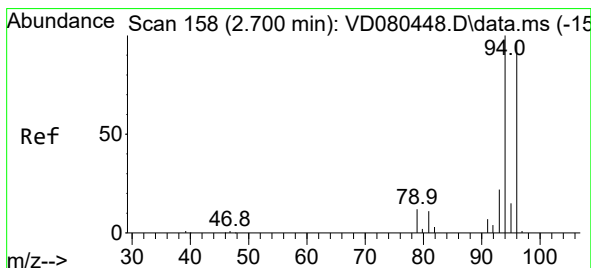
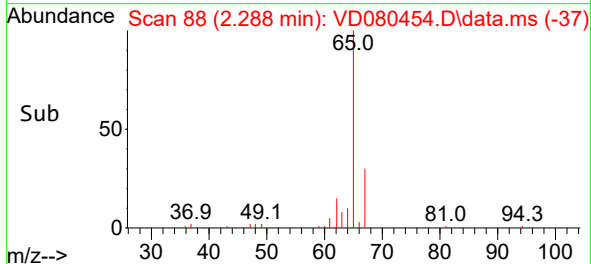
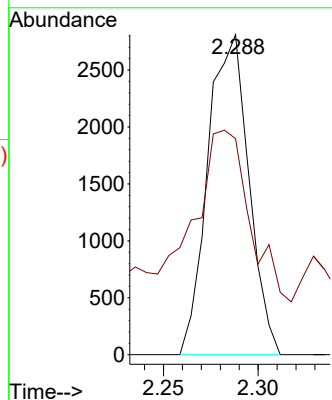
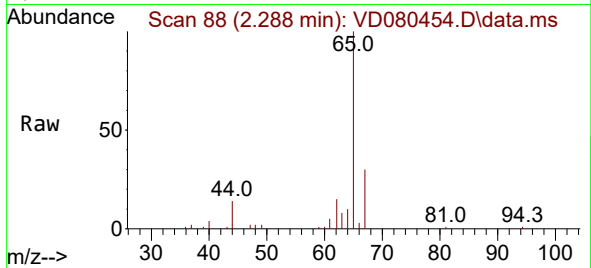




#5
 Vinyl chloride
 Concen: 1.30 ug/L
 RT: 2.288 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VD080454.D
 Acq: 18 Jun 2025 14:05

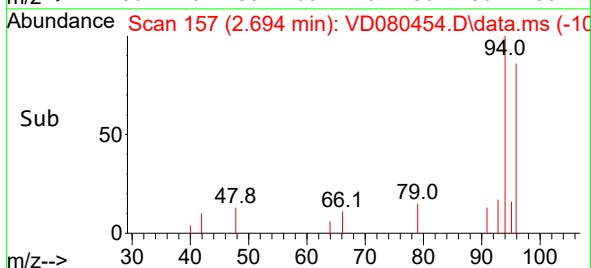
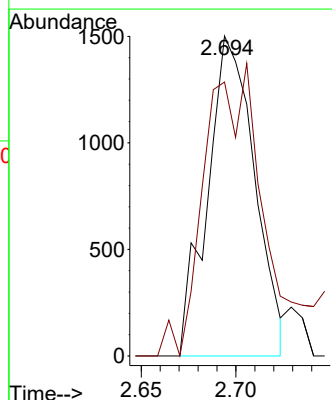
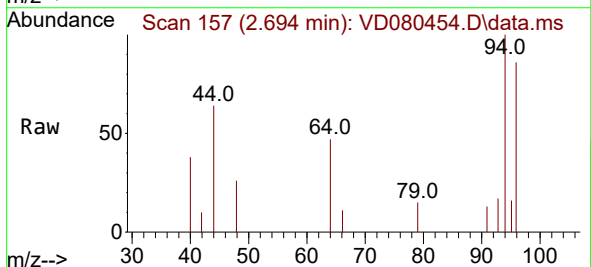
Instrument :
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 ClientSampleId :
 MDL-SOIL-QT2-2025-03

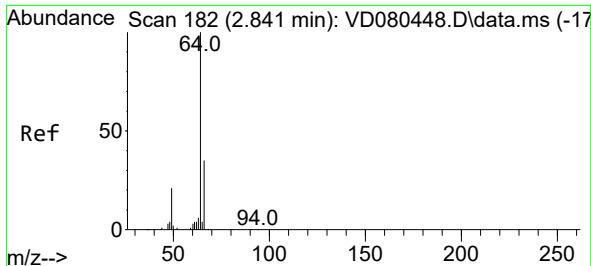
Tgt Ion: 62 Resp: 4220
 Ion Ratio Lower Upper
 62 100
 64 67.5 25.6 47.6#



#6
 Bromomethane
 Concen: 1.28 ug/L
 RT: 2.694 min Scan# 157
 Delta R.T. -0.006 min
 Lab File: VD080454.D
 Acq: 18 Jun 2025 14:05

Tgt Ion: 94 Resp: 2598
 Ion Ratio Lower Upper
 94 100
 96 85.6 67.6 125.6

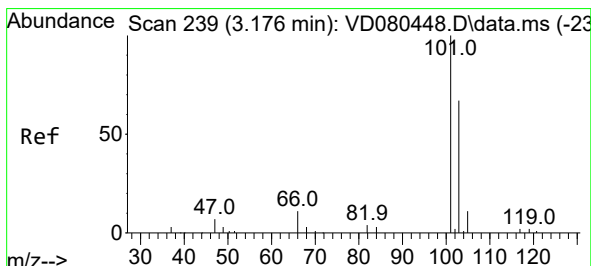
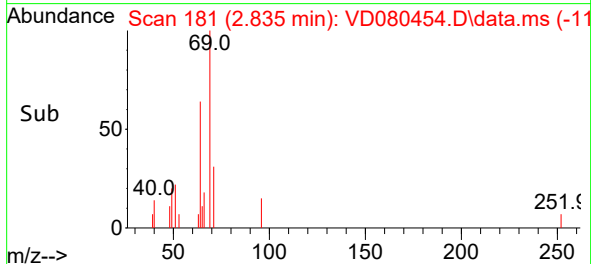
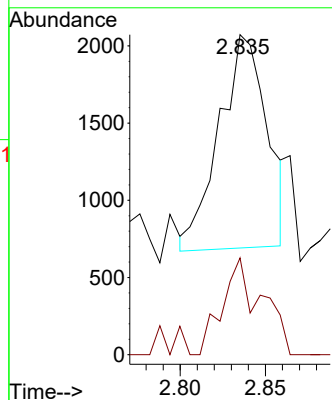
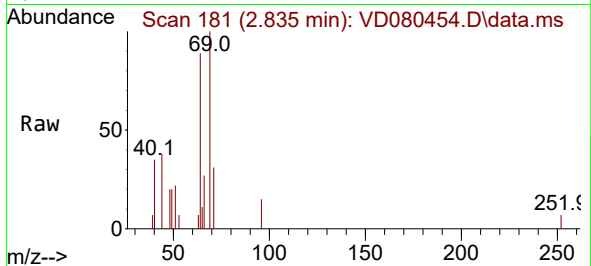




#8
Chloroethane
Concen: 1.20 ug/L
RT: 2.835 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

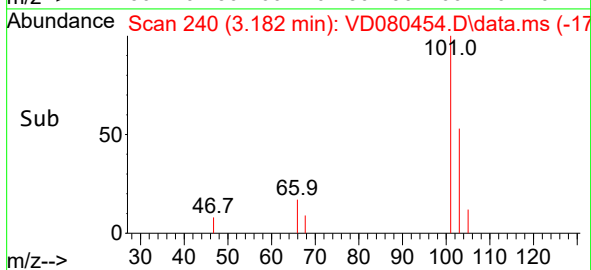
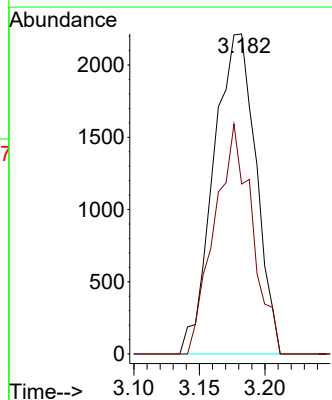
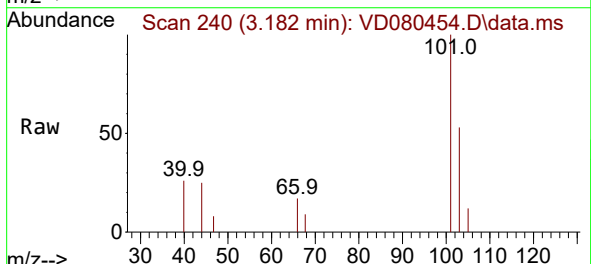
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

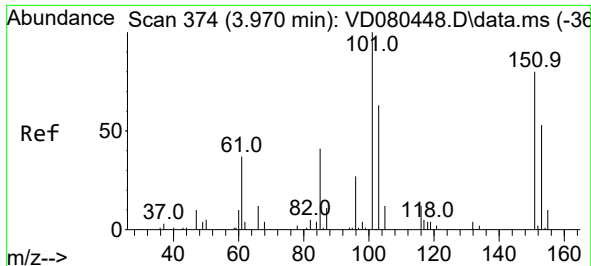
Tgt Ion: 64 Resp: 2693
Ion Ratio Lower Upper
64 100
66 30.2 23.9 44.3



#9
Trichlorofluoromethane
Concen: 1.11 ug/L
RT: 3.182 min Scan# 240
Delta R.T. 0.006 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

Tgt Ion:101 Resp: 4968
Ion Ratio Lower Upper
101 100
103 63.9 51.0 76.4

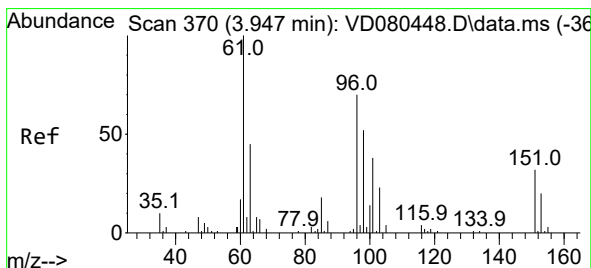
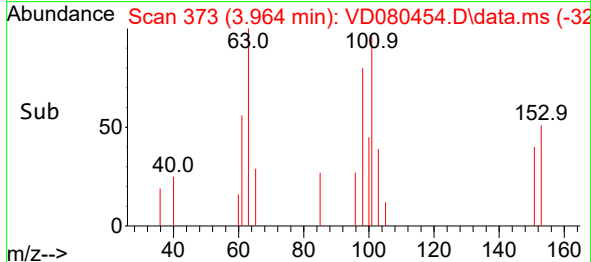
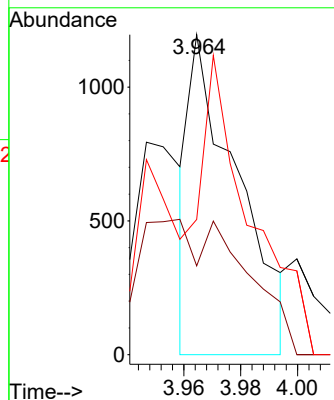
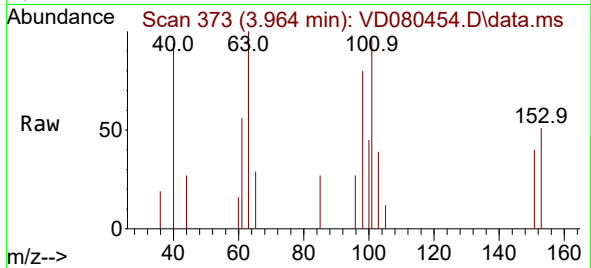




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.51 ug/L
 RT: 3.964 min Scan# 310
 Delta R.T. -0.006 min
 Lab File: VD080454.D
 Acq: 18 Jun 2025 14:05

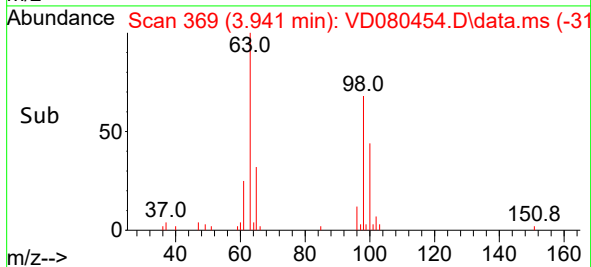
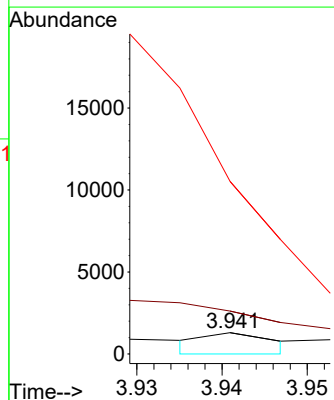
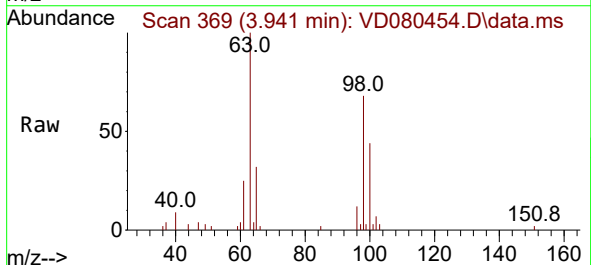
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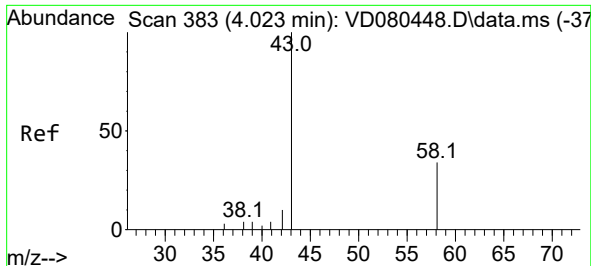
Tgt Ion:101 Resp: 1412
 Ion Ratio Lower Upper
 101 100
 85 40.7 32.0 48.0
 151 98.1 63.7 95.5#



#12
 1,1-Dichloroethene
 Concen: 0.32 ug/L
 RT: 3.941 min Scan# 369
 Delta R.T. -0.006 min
 Lab File: VD080454.D
 Acq: 18 Jun 2025 14:05

Tgt Ion: 96 Resp: 732
 Ion Ratio Lower Upper
 96 100
 61 201.5 103.0 191.4#
 63 810.8 66.4 123.2#





#13

Acetone

Concen: 1.86 ug/L

RT: 4.017 min Scan# 382

Delta R.T. -0.006 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Instrument :

MSVOA_D

ClientSampleId :

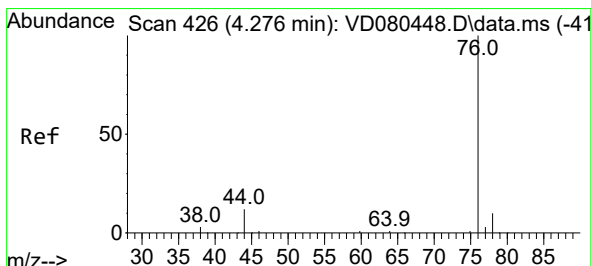
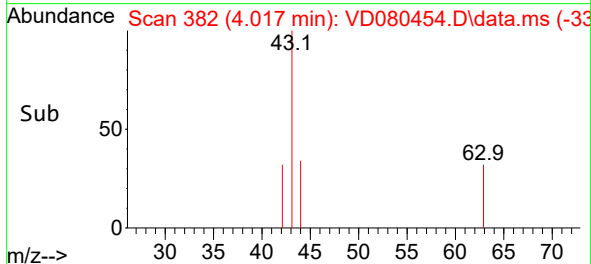
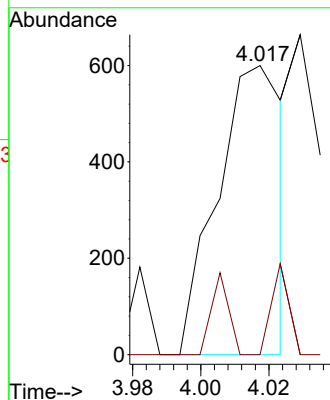
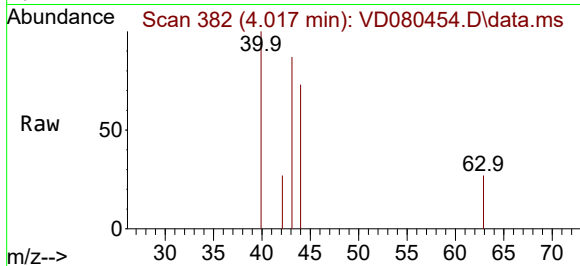
MDL-SOIL-QT2-2025-03

Tgt Ion: 43 Resp: 803

Ion Ratio Lower Upper

43 100

58 0.0 0.0 71.0



#14

Carbon disulfide

Concen: 1.09 ug/L

RT: 4.264 min Scan# 424

Delta R.T. -0.012 min

Lab File: VD080454.D

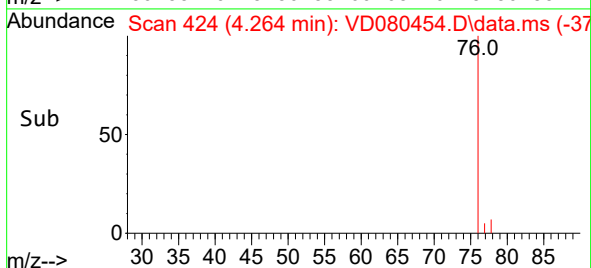
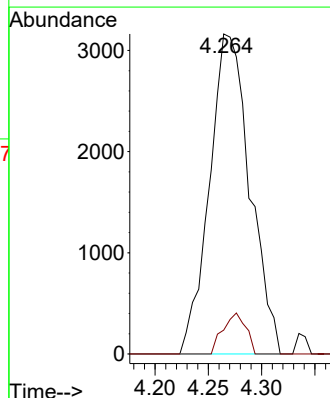
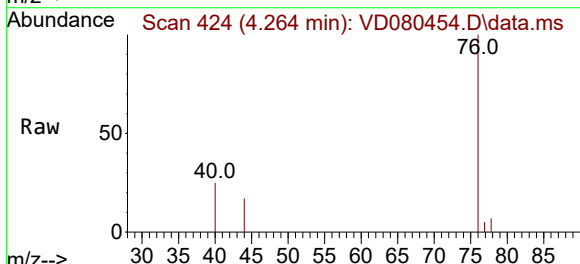
Acq: 18 Jun 2025 14:05

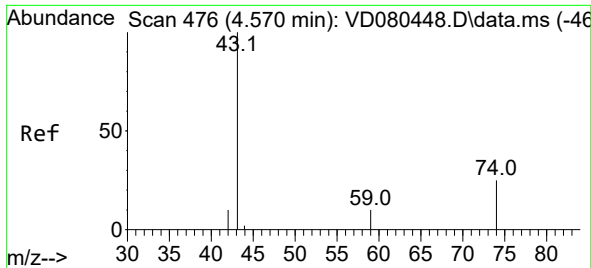
Tgt Ion: 76 Resp: 8338

Ion Ratio Lower Upper

76 100

78 7.4 7.9 11.9#





#15

Methyl Acetate

Concen: 0.87 ug/L

RT: 4.564 min Scan# 41

Delta R.T. -0.006 min

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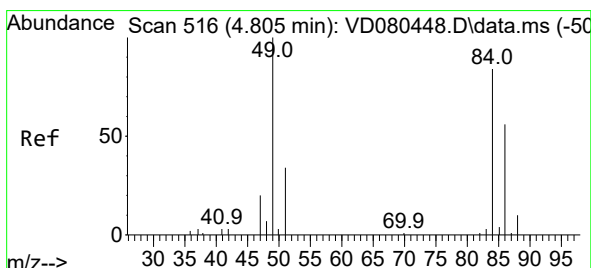
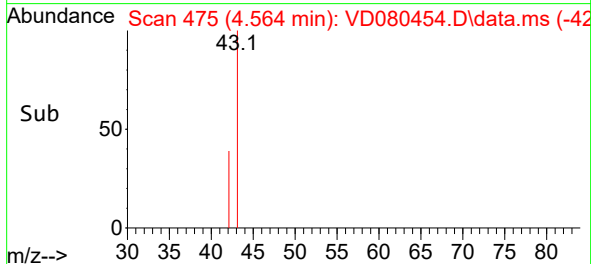
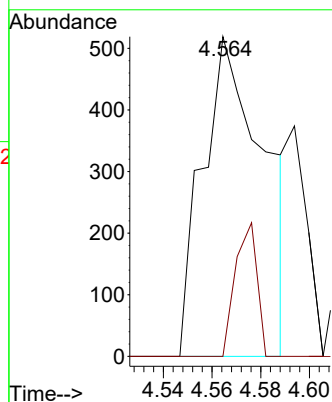
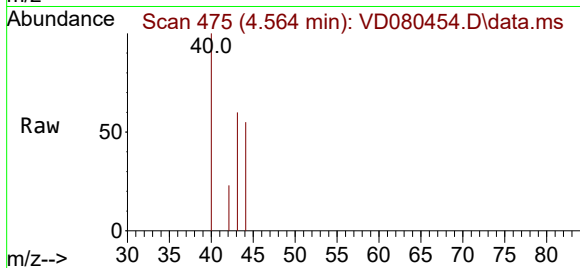
MDL-SOIL-QT2-2025-03

Tgt Ion: 43 Resp: 907

Ion Ratio Lower Upper

43 100

74 14.8 20.3 30.5#



#16

Methylene chloride

Concen: 5.01 ug/L

RT: 4.806 min Scan# 516

Delta R.T. 0.001 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

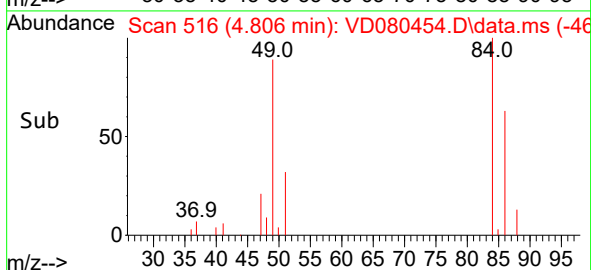
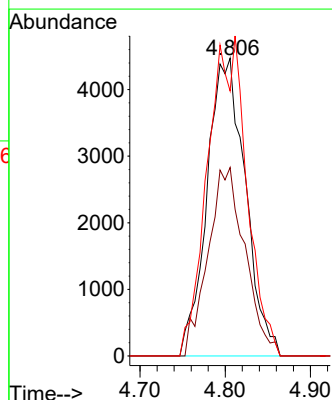
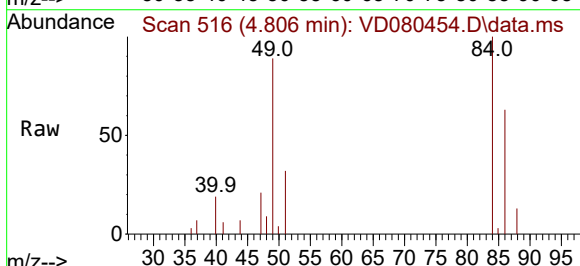
Tgt Ion: 84 Resp: 13959

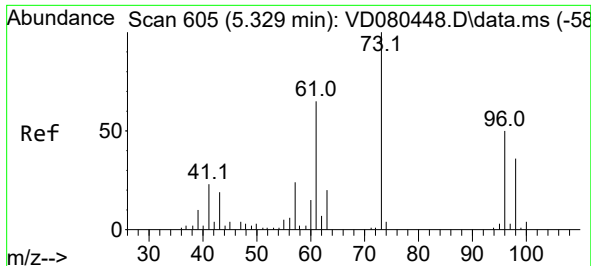
Ion Ratio Lower Upper

84 100

86 63.3 46.7 86.7

49 89.0 83.0 154.1

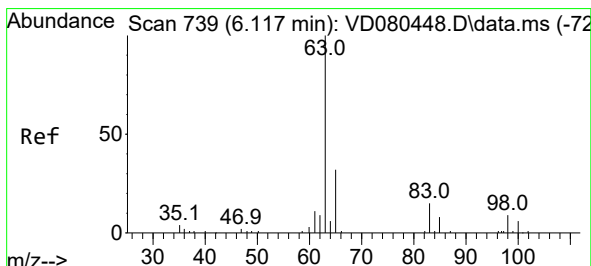
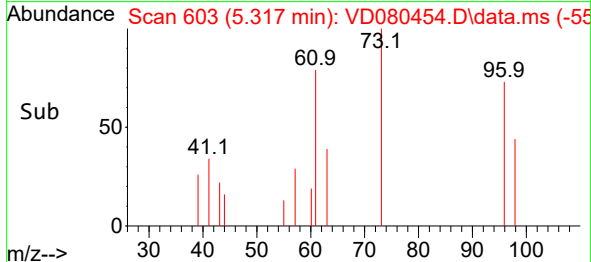
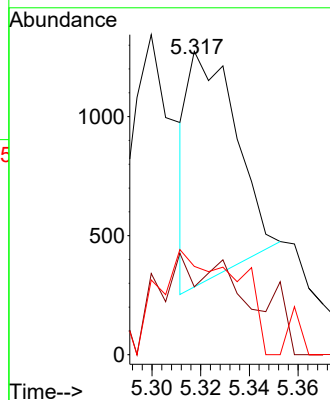
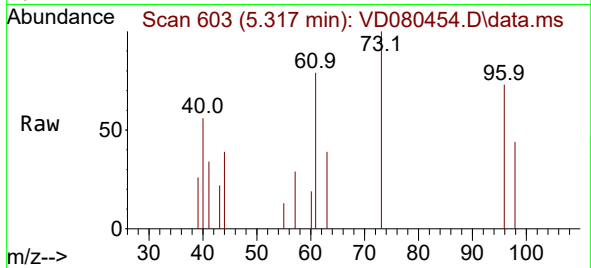




#18
Methyl tert-butyl Ether
Concen: 0.28 ug/L
RT: 5.317 min Scan# 605
Delta R.T. -0.012 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

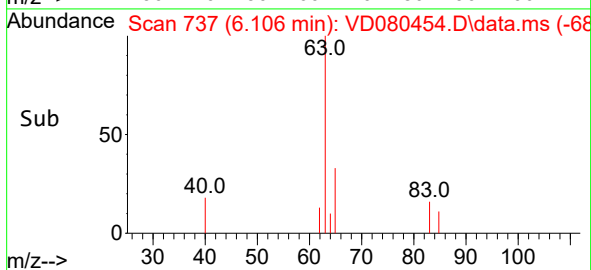
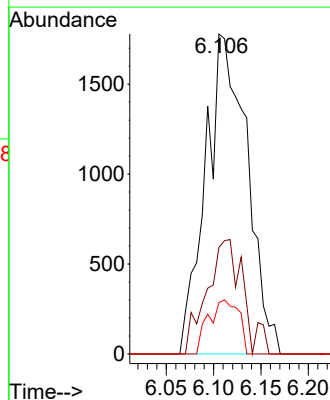
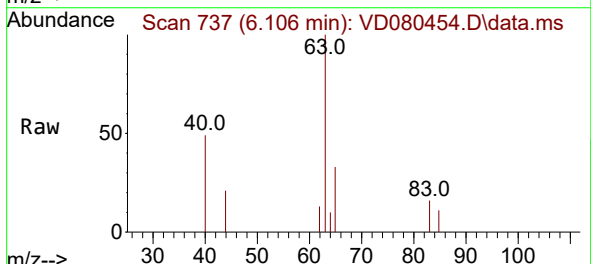
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

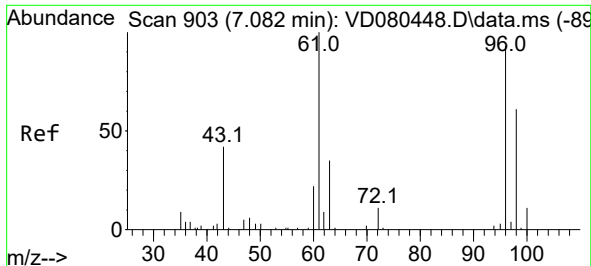
Tgt Ion: 73 Resp: 1308
Ion Ratio Lower Upper
73 100
43 34.4 15.8 23.8#
57 46.6 17.6 26.4#



#19
1,1-Dichloroethane
Concen: 1.22 ug/L
RT: 6.106 min Scan# 737
Delta R.T. -0.011 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

Tgt Ion: 63 Resp: 5419
Ion Ratio Lower Upper
63 100
65 33.3 22.0 41.0
83 16.1 10.8 20.0

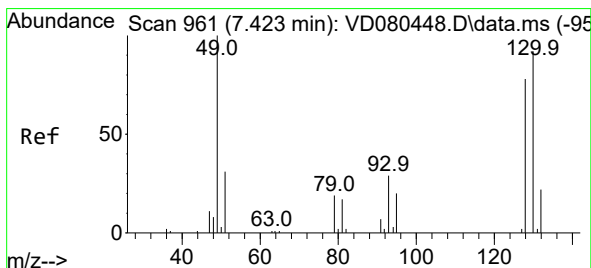
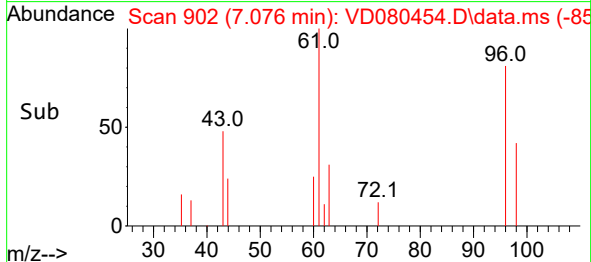
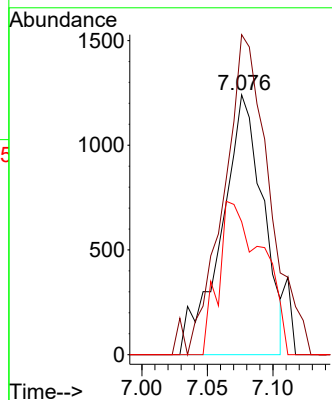
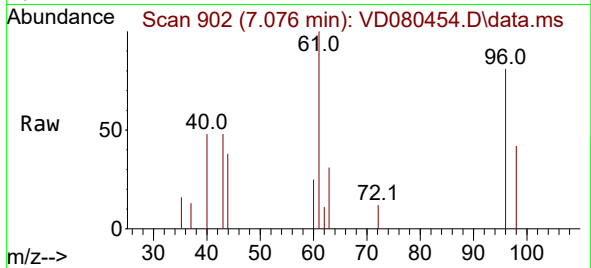




#20
 cis-1,2-Dichloroethene
 Concen: 1.06 ug/L
 RT: 7.076 min Scan# 90
 Delta R.T. -0.006 min
 Lab File: VD080454.D
 Acq: 18 Jun 2025 14:05

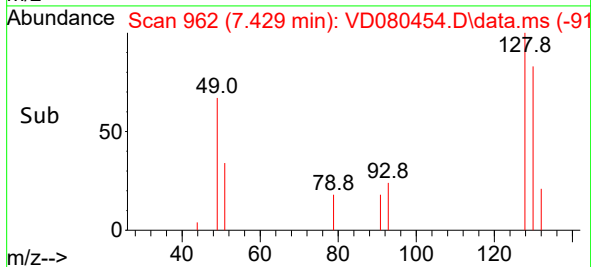
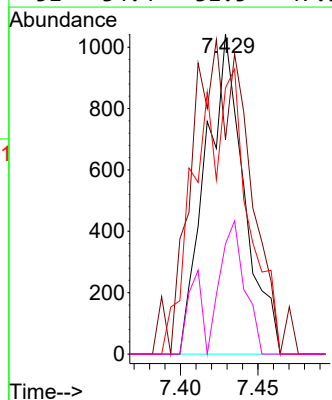
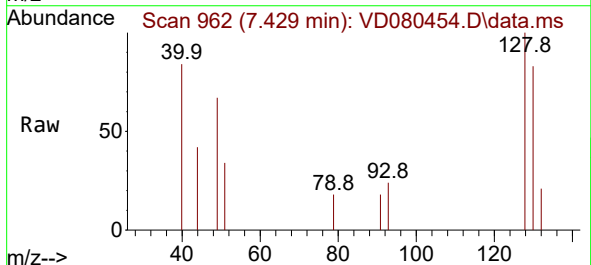
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2025-03

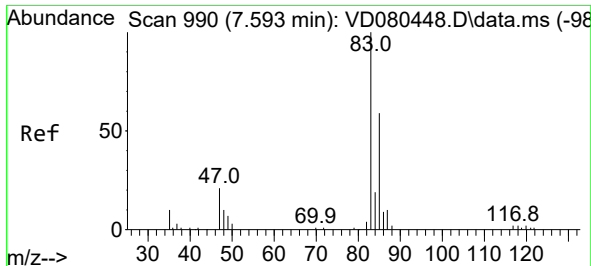
Tgt Ion: 96	Resp:	2735	
Ion	Ratio	Lower	Upper
96	100		
61	123.1	75.8	140.8
98	51.2	45.9	85.3



#23
 Bromochloromethane
 Concen: 1.30 ug/L
 RT: 7.429 min Scan# 962
 Delta R.T. 0.006 min
 Lab File: VD080454.D
 Acq: 18 Jun 2025 14:05

Tgt	Ion:128	Resp:	1801
Ion	Ratio	Lower	Upper
128	100		
49	67.0	89.5	166.3#
130	83.1	82.5	153.1
51	34.4	31.5	47.3





#25

Chloroform

Concen: 3.88 ug/L

RT: 7.594 min Scan# 990

Delta R.T. 0.000 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Instrument :

MSVOA_D

ClientSampleId :

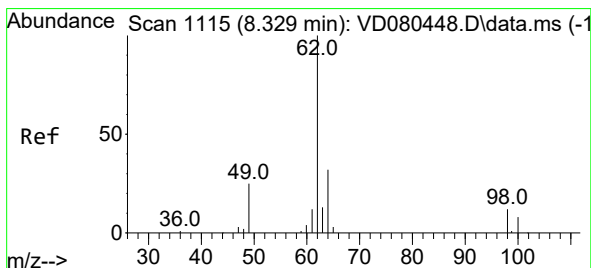
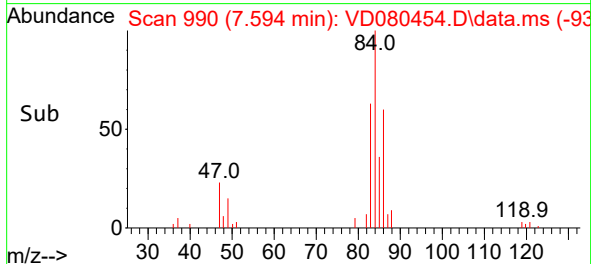
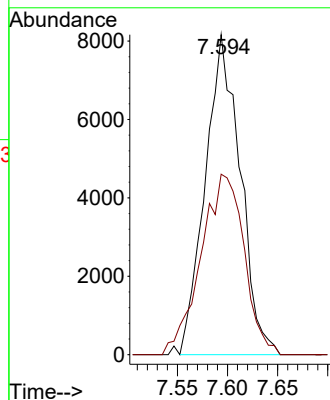
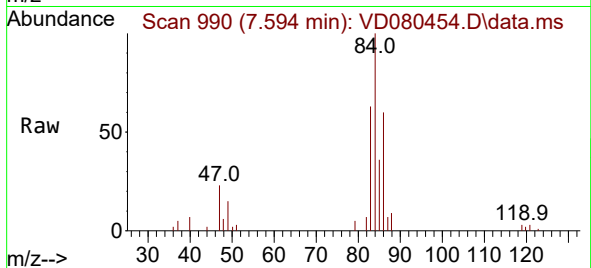
MDL-SOIL-QT2-2025-03

Tgt Ion: 83 Resp: 19782

Ion Ratio Lower Upper

83 100

85 56.4 42.0 78.0



#27

1,2-Dichloroethane

Concen: 1.35 ug/L

RT: 8.323 min Scan# 1114

Delta R.T. -0.006 min

Lab File: VD080454.D

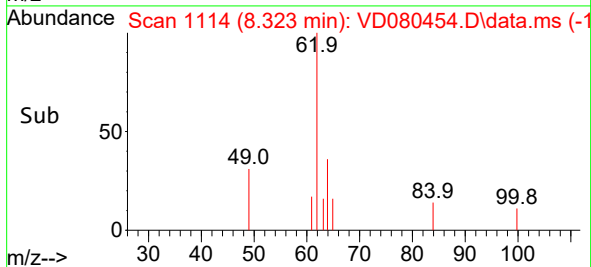
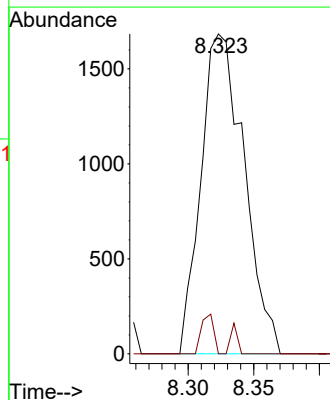
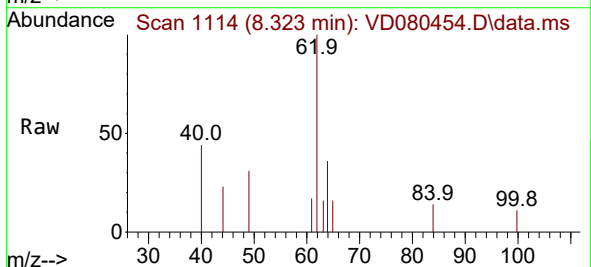
Acq: 18 Jun 2025 14:05

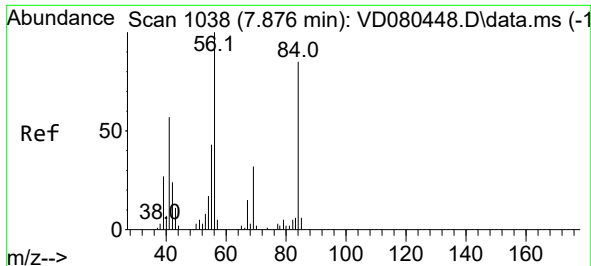
Tgt Ion: 62 Resp: 3858

Ion Ratio Lower Upper

62 100

98 0.0 9.4 14.2#





#29

Cyclohexane

Concen: 0.85 ug/L

RT: 7.882 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

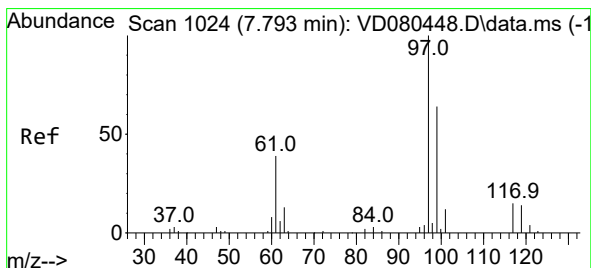
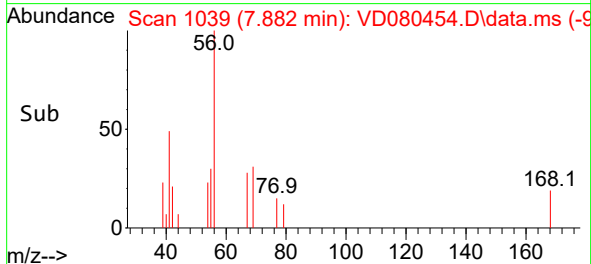
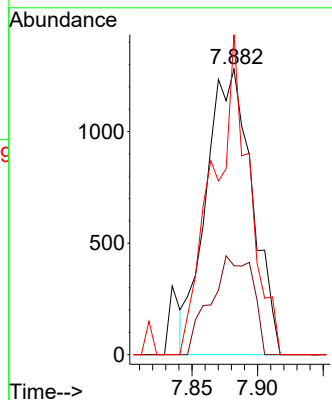
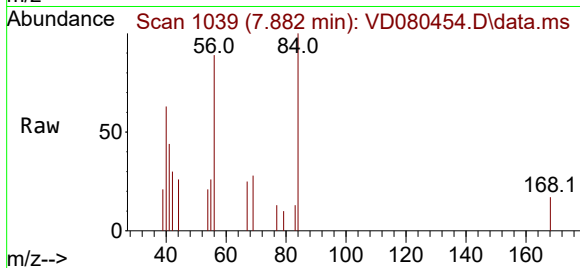
Tgt Ion: 56 Resp: 3118

Ion Ratio Lower Upper

56 100

69 24.1 25.7 38.5#

84 56.4 73.4 110.0#



#30

1,1,1-Trichloroethane

Concen: 0.63 ug/L

RT: 7.800 min Scan# 1025

Delta R.T. 0.007 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

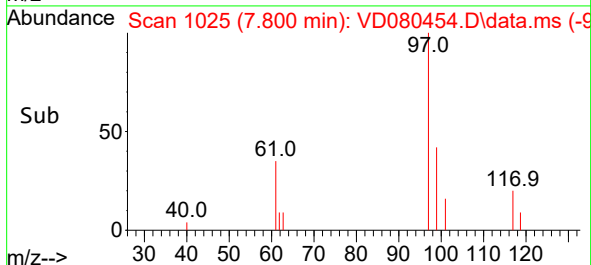
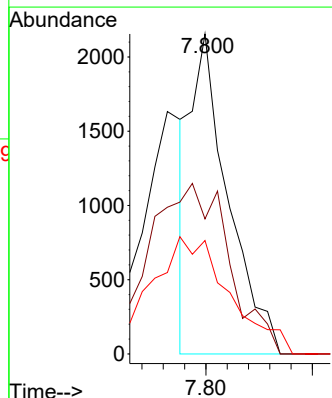
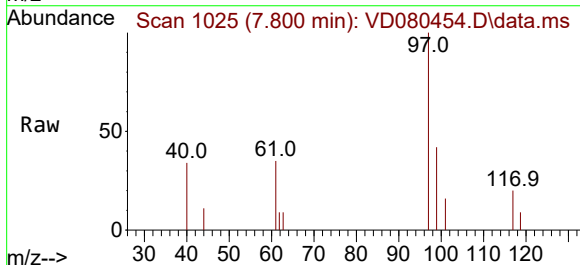
Tgt Ion: 97 Resp: 2622

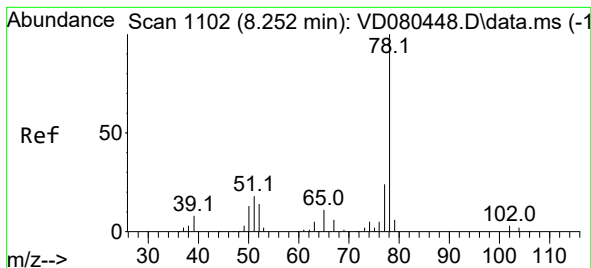
Ion Ratio Lower Upper

97 100

99 78.8 51.1 76.7#

61 75.3 32.4 48.6#





#33

Benzene

Concen: 1.16 ug/L

RT: 8.247 min Scan# 1101

Delta R.T. -0.006 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

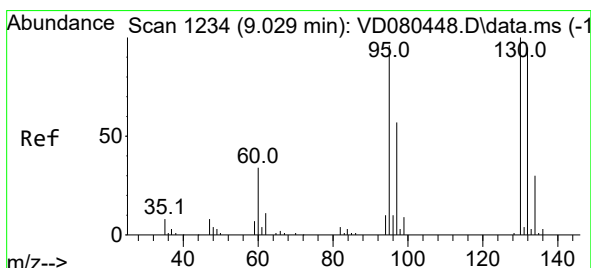
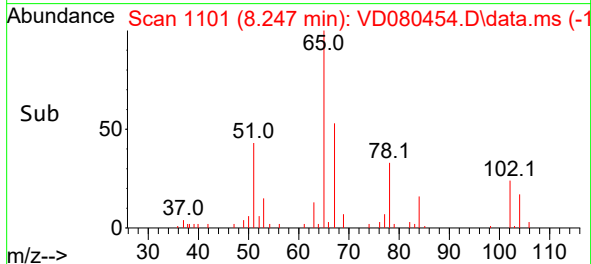
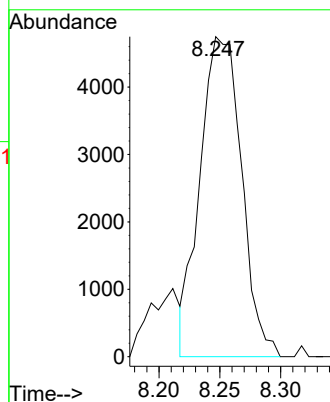
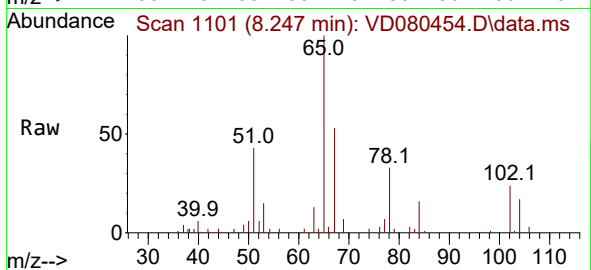
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

Tgt Ion: 78 Resp: 11278



#34

Trichloroethene

Concen: 1.29 ug/L

RT: 9.029 min Scan# 1234

Delta R.T. -0.000 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Tgt Ion: 95 Resp: 3623

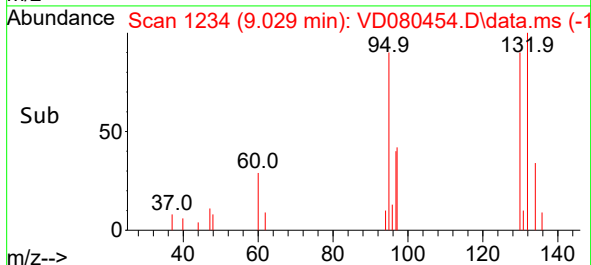
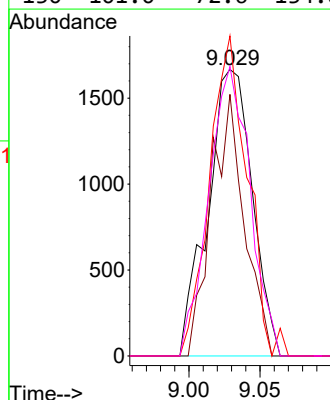
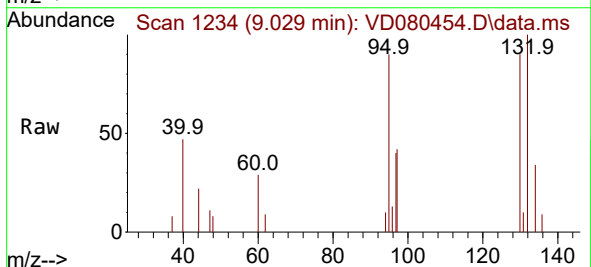
Ion Ratio Lower Upper

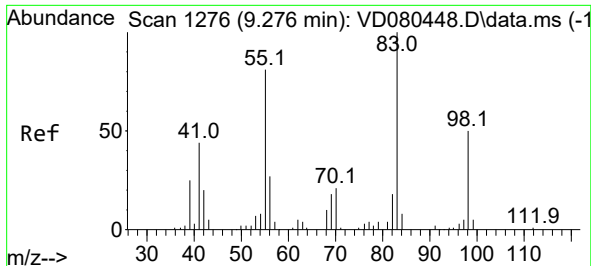
95 100

97 91.3 41.5 77.1#

132 111.7 69.1 128.3

130 101.0 72.6 134.8





#35

Methylcyclohexane

Concen: 0.84 ug/L

RT: 9.270 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

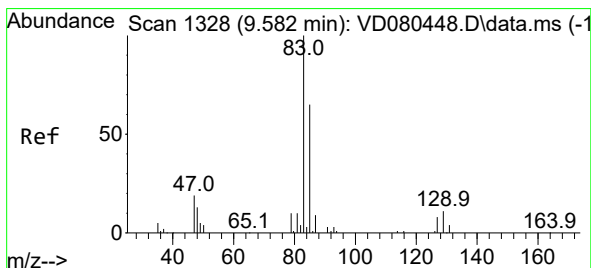
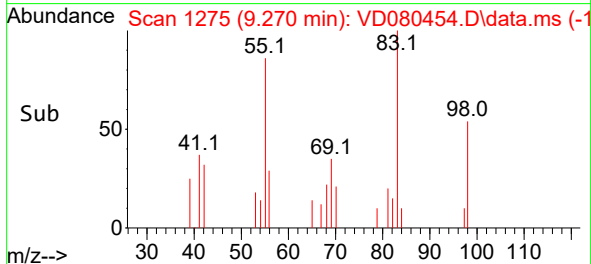
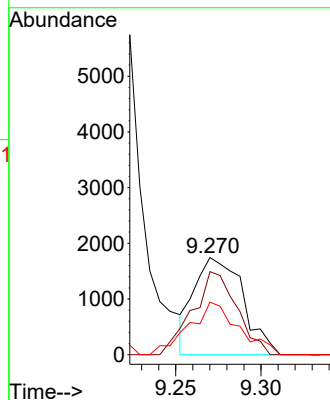
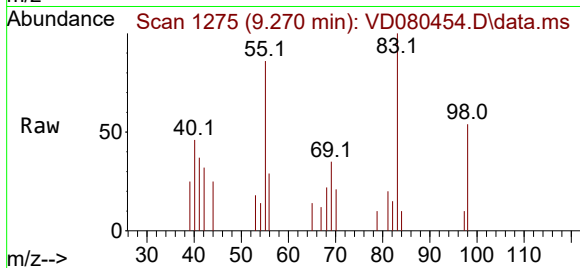
Tgt Ion: 83 Resp: 3463

Ion Ratio Lower Upper

83 100

55 77.7 59.7 89.5

98 50.5 38.2 57.2



#38

Bromodichloromethane

Concen: 1.14 ug/L

RT: 9.588 min Scan# 1329

Delta R.T. 0.006 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

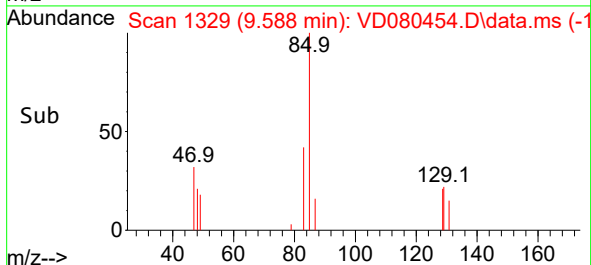
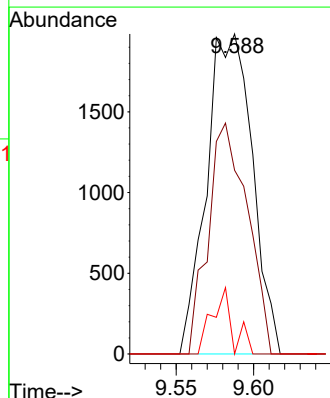
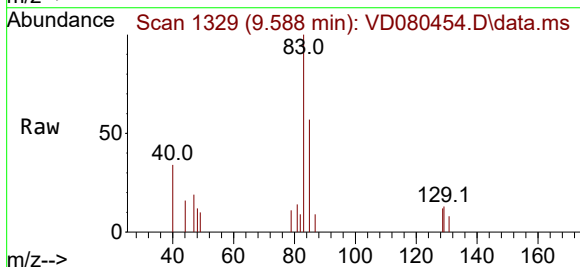
Tgt Ion: 83 Resp: 4072

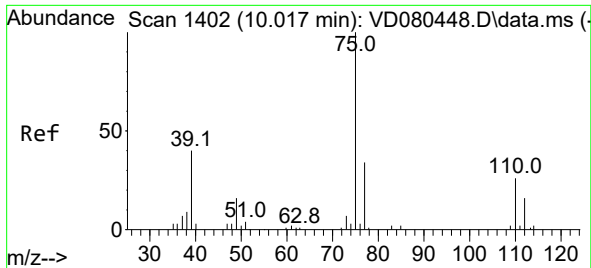
Ion Ratio Lower Upper

83 100

85 57.4 45.2 84.0

127 0.0 6.2 9.4#

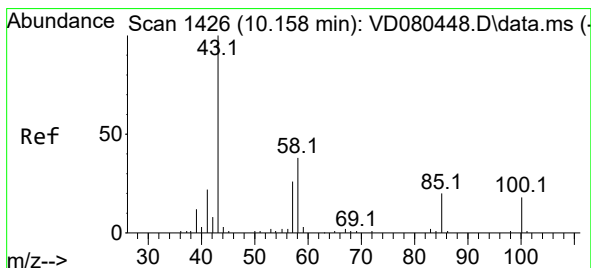
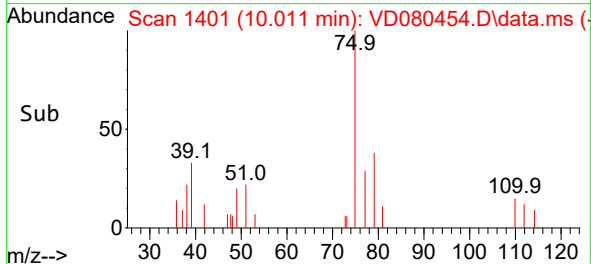
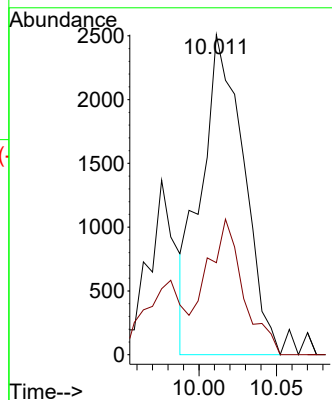
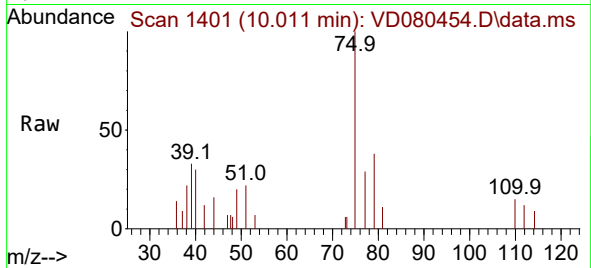




#39
 cis-1,3-Dichloropropene
 Concen: 1.18 ug/L
 RT: 10.011 min Scan# 1402
 Delta R.T. -0.006 min
 Lab File: VD080454.D
 Acq: 18 Jun 2025 14:05

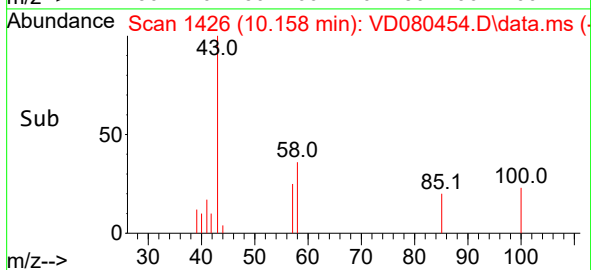
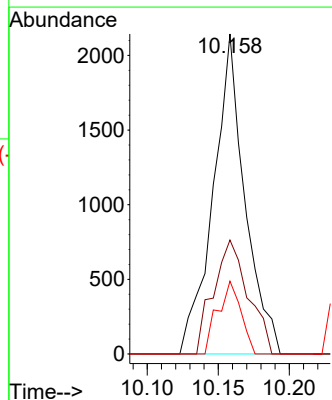
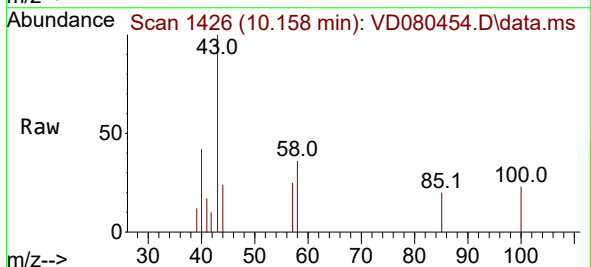
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2025-03

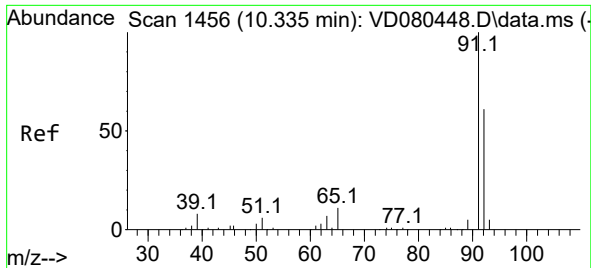
Tgt Ion: 75 Resp: 4785
 Ion Ratio Lower Upper
 75 100
 77 28.7 24.1 44.7



#40
 4-Methyl-2-pentanone
 Concen: 2.39 ug/L
 RT: 10.158 min Scan# 1426
 Delta R.T. 0.000 min
 Lab File: VD080454.D
 Acq: 18 Jun 2025 14:05

Tgt Ion: 43 Resp: 3324
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.7 47.5
 100 16.6 13.4 20.0





#42

Toluene

Concen: 1.21 ug/L

RT: 10.329 min Scan# 1455

Delta R.T. -0.006 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Instrument :

MSVOA_D

ClientSampleId :

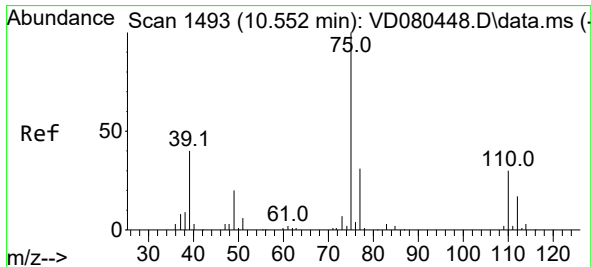
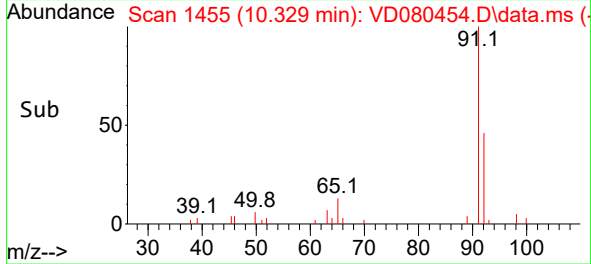
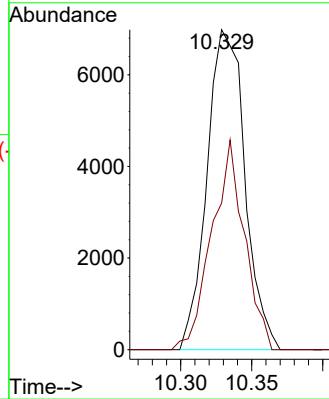
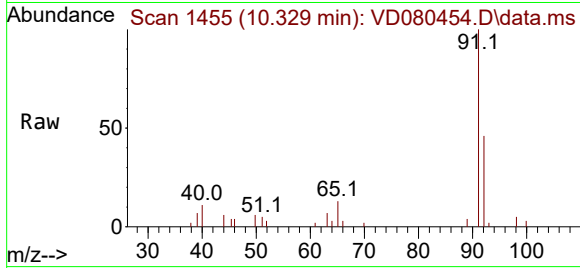
MDL-SOIL-QT2-2025-03

Tgt Ion: 91 Resp: 12962

Ion Ratio Lower Upper

91 100

92 45.8 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 1.58 ug/L

RT: 10.552 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VD080454.D

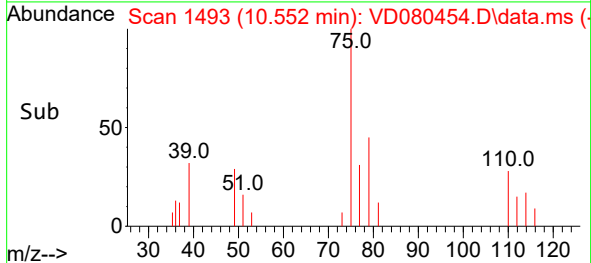
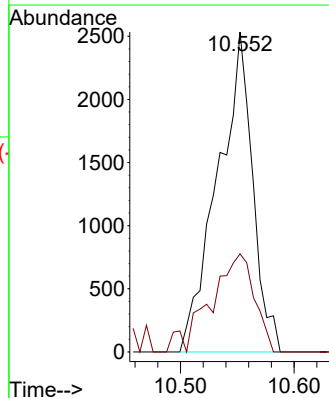
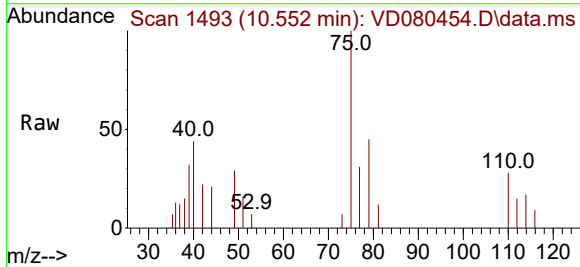
Acq: 18 Jun 2025 14:05

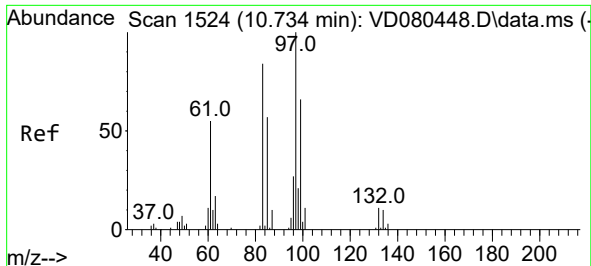
Tgt Ion: 75 Resp: 5418

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.6

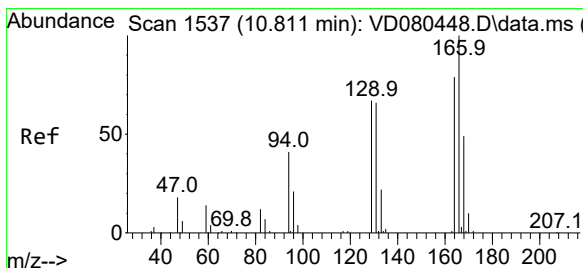
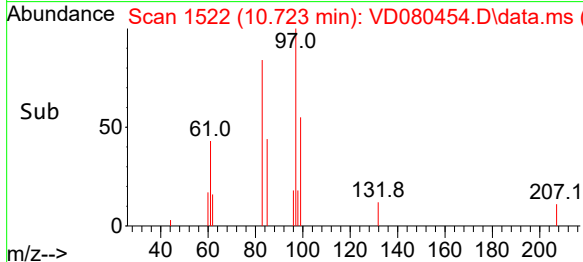
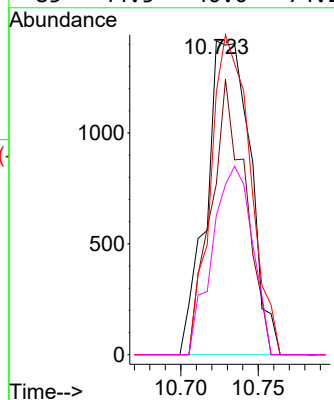
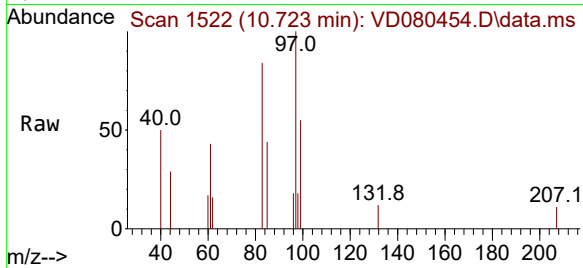




#45
1,1,2-Trichloroethane
Concen: 1.27 ug/L
RT: 10.723 min Scan# 1522
Delta R.T. -0.011 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

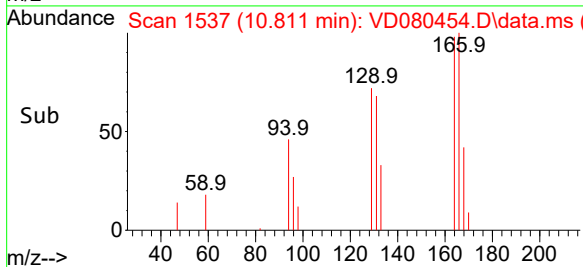
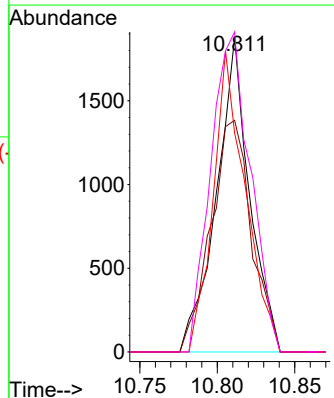
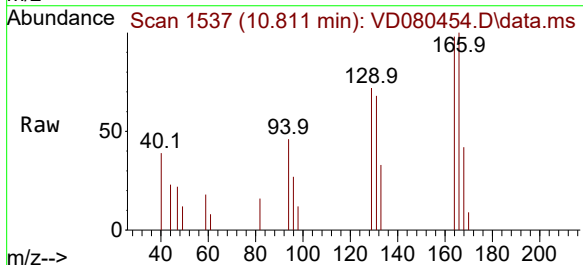
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

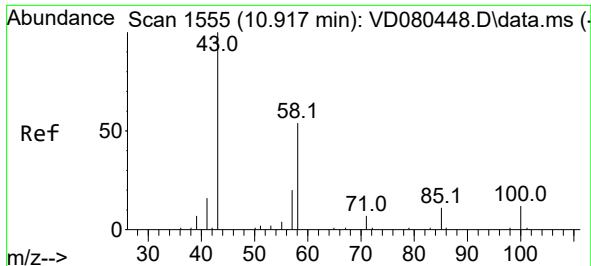
Tgt Ion: 97	Resp: 2787
Ion Ratio	Lower Upper
97 100	
99 54.5	46.5 86.3
83 83.9	58.5 108.7
85 44.5	40.0 74.2



#46
Tetrachloroethene
Concen: 1.12 ug/L
RT: 10.811 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

Tgt	Ion:164	Resp:	2795
Ion	Ratio	Lower	Upper
164	100		
129	73.6	59.7	110.9
131	69.5	58.7	109.1
166	101.6	88.7	164.7

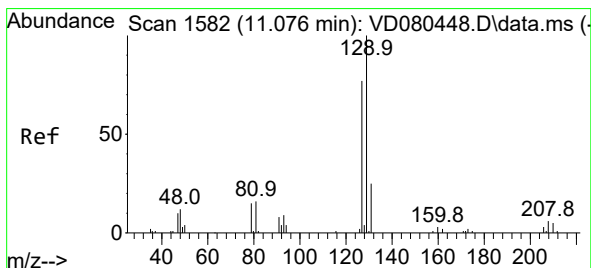
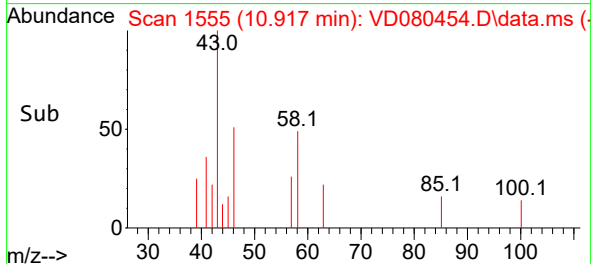
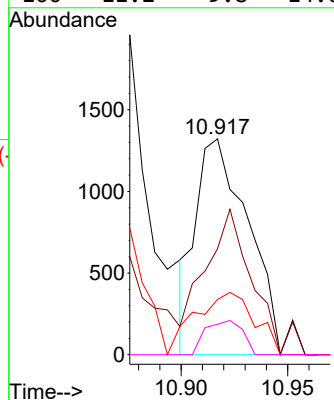
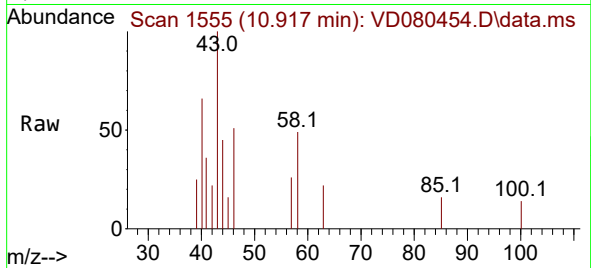




#48
2-Hexanone
Concen: 2.22 ug/L
RT: 10.917 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

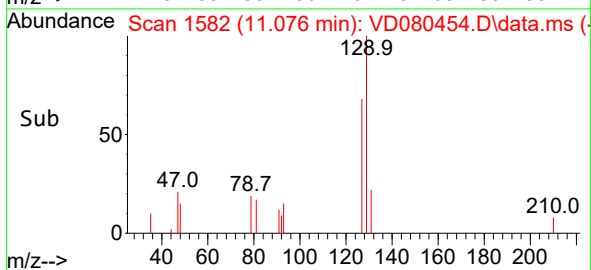
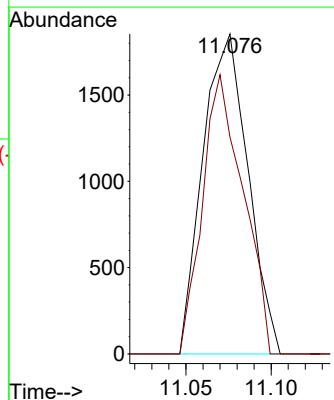
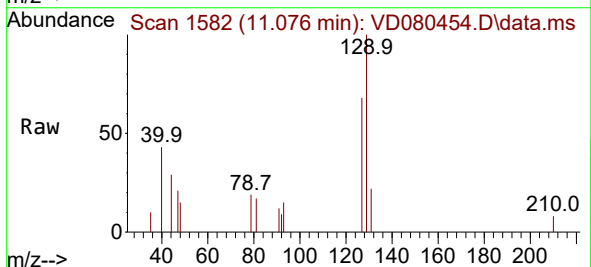
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

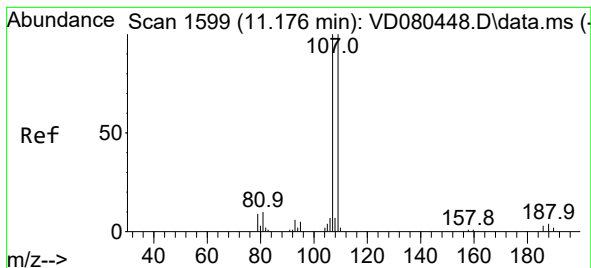
Tgt Ion: 43 Resp: 2251
Ion Ratio Lower Upper
43 100
58 59.5 43.8 65.6
57 32.9 15.6 23.4#
100 11.2 9.8 14.6



#49
Dibromochloromethane
Concen: 1.27 ug/L
RT: 11.076 min Scan# 1582
Delta R.T. -0.000 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

Tgt Ion: 129 Resp: 3413
Ion Ratio Lower Upper
129 100
127 67.7 54.1 100.5





#50

1,2-Dibromoethane

Concen: 1.25 ug/L

RT: 11.170 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

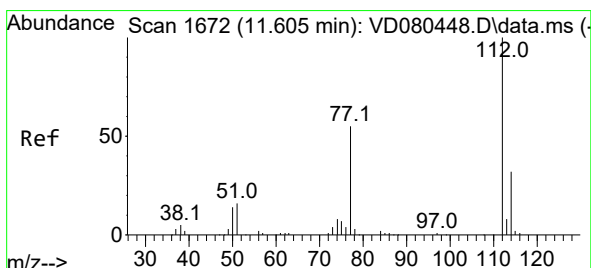
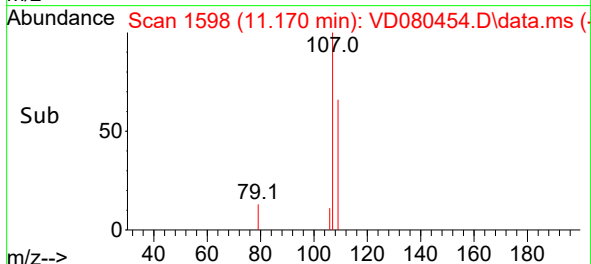
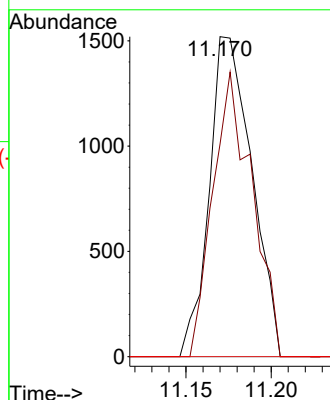
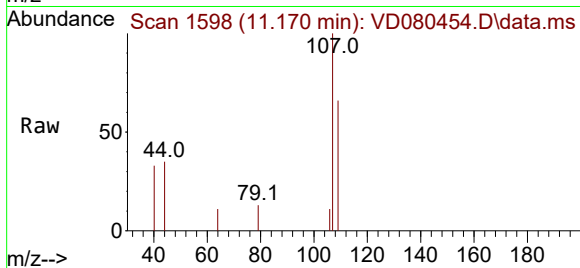
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

Tgt Ion:107	Resp:	2644
Ion	Ratio	Lower Upper
107	100	
109	66.4	69.8 129.6#
188	0.0	2.9 4.3#



#51

Chlorobenzene

Concen: 1.16 ug/L

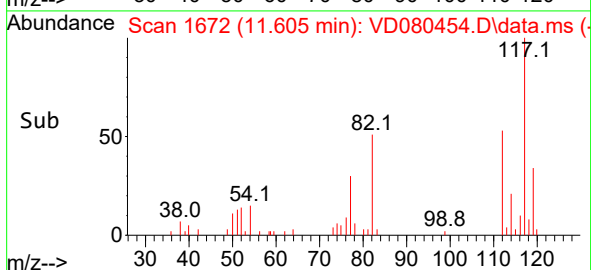
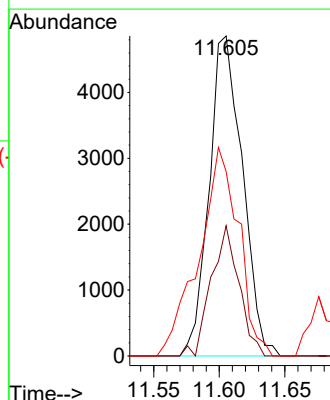
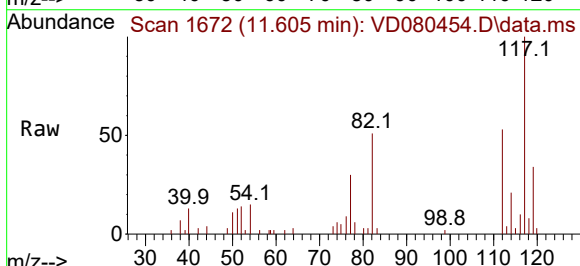
RT: 11.605 min Scan# 1672

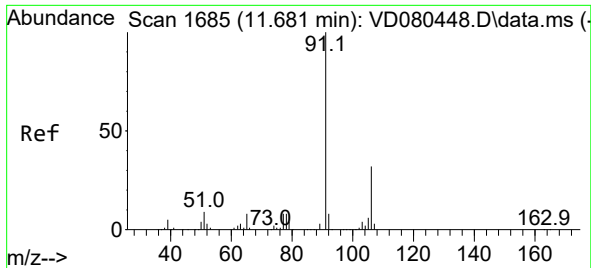
Delta R.T. 0.000 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Tgt Ion:112	Resp:	8589
Ion	Ratio	Lower Upper
112	100	
114	40.7	22.3 41.3
77	57.7	44.2 66.4

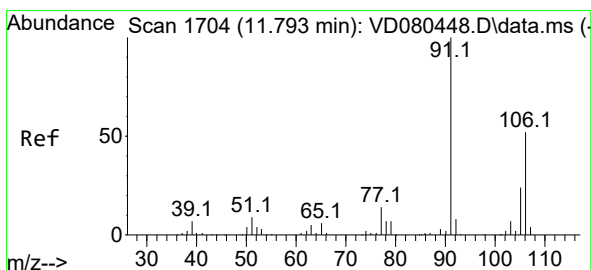
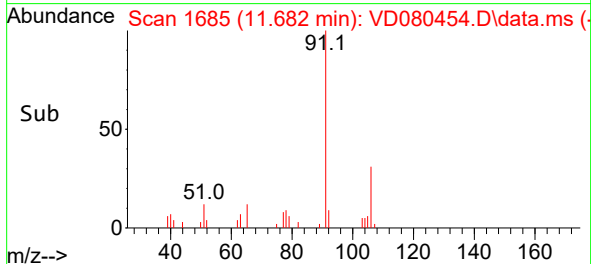
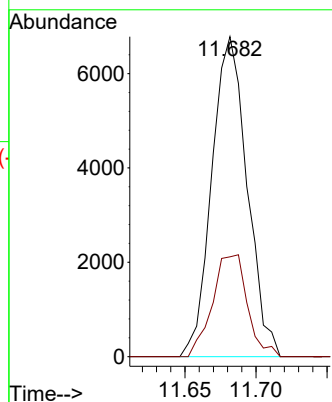
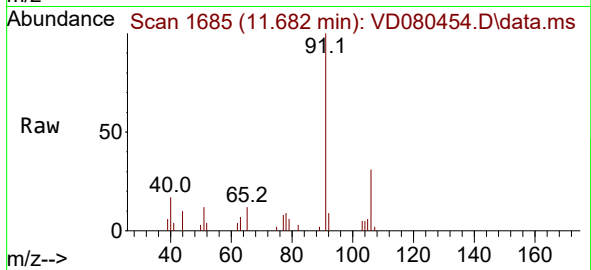




#52
Ethylbenzene
Concen: 1.01 ug/L
RT: 11.682 min Scan# 11732
Delta R.T. 0.001 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

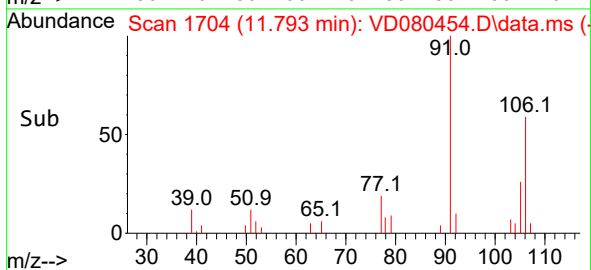
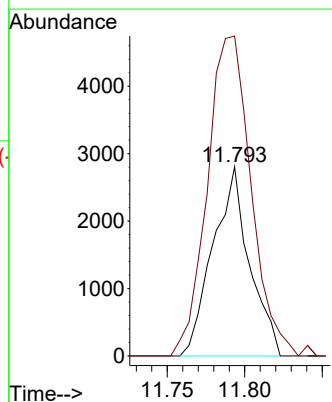
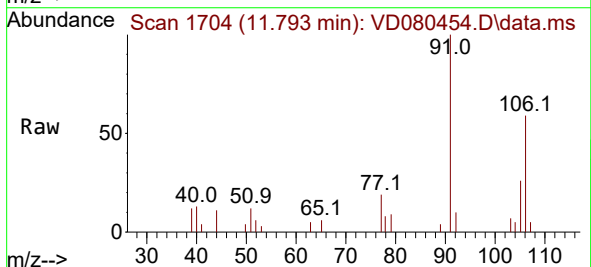
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

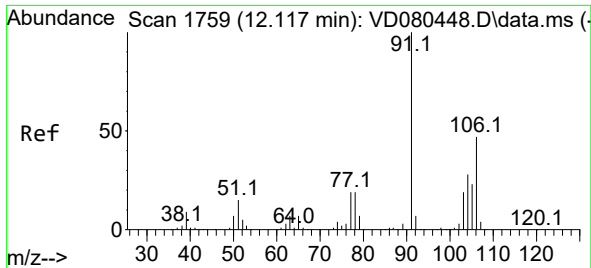
Tgt Ion: 91 Resp: 11732
Ion Ratio Lower Upper
91 100
106 31.2 22.1 41.1



#53
m,p-Xylene
Concen: 1.01 ug/L
RT: 11.793 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

Tgt Ion:106 Resp: 4595
Ion Ratio Lower Upper
106 100
91 169.1 134.1 249.1

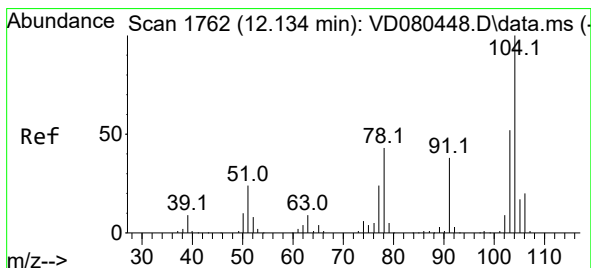
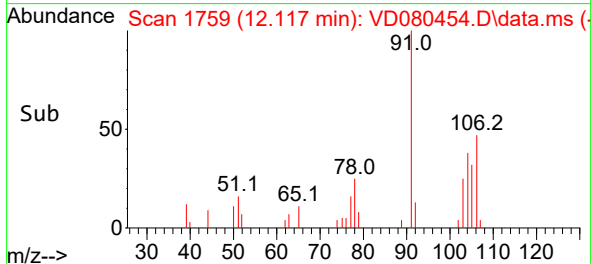
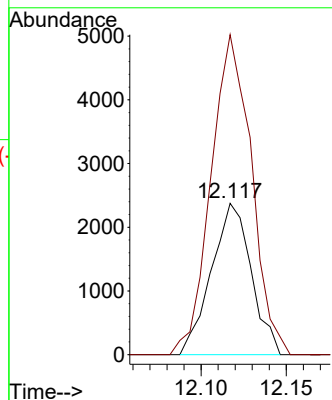
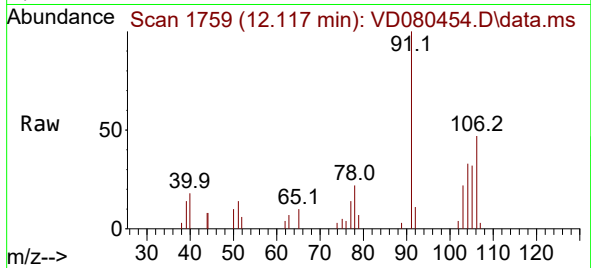




#54
o-Xylene
Concen: 0.90 ug/L
RT: 12.117 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

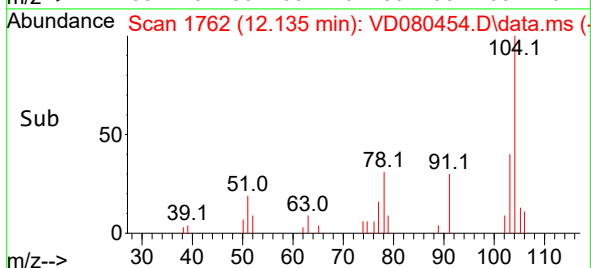
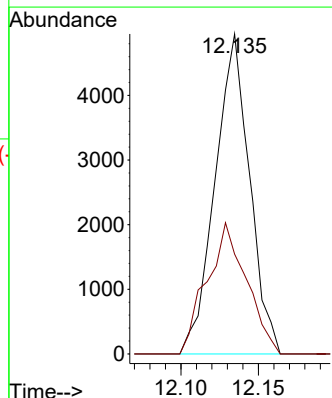
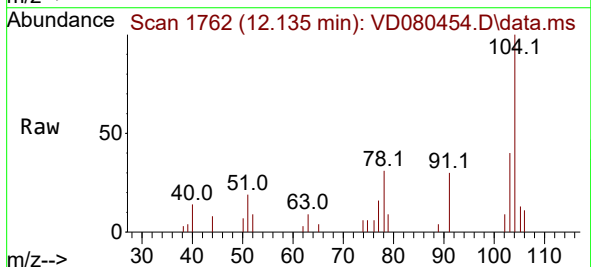
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

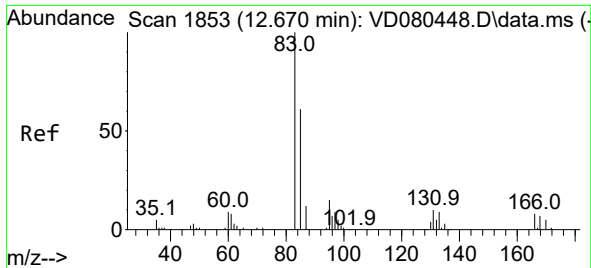
Tgt Ion:106 Resp: 3858
Ion Ratio Lower Upper
106 100
91 211.4 148.3 275.3



#55
Styrene
Concen: 1.01 ug/L
RT: 12.135 min Scan# 1762
Delta R.T. 0.000 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

Tgt Ion:104 Resp: 7662
Ion Ratio Lower Upper
104 100
78 31.2 30.0 55.8

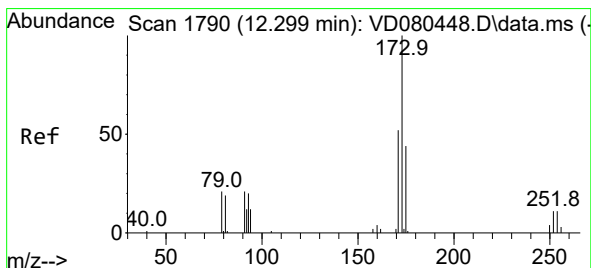
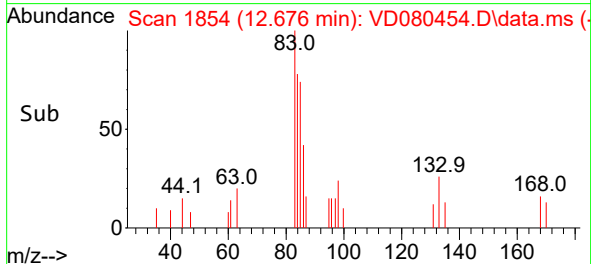
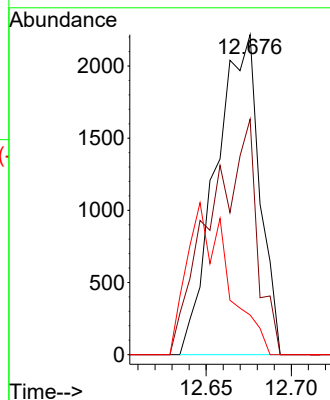
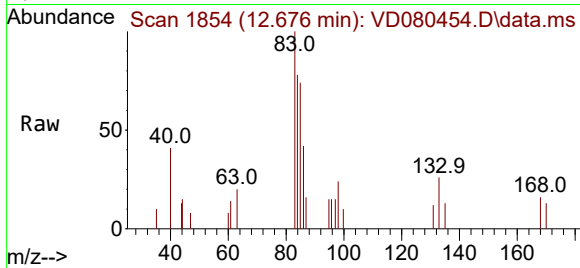




#57
1,1,2,2-Tetrachloroethane
Concen: 1.47 ug/L
RT: 12.676 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

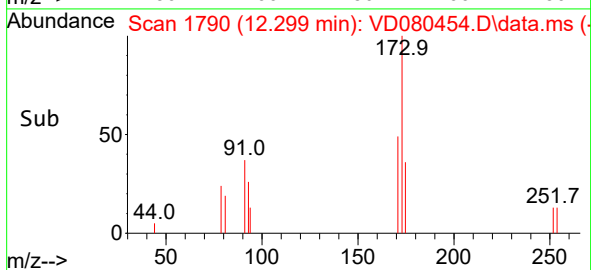
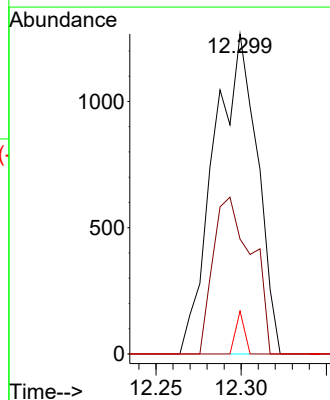
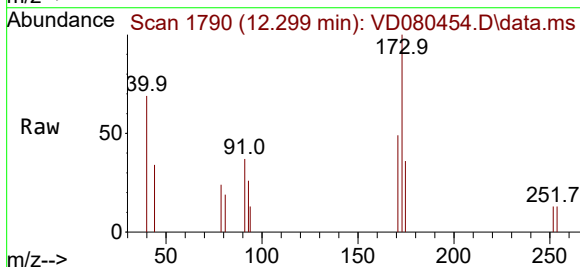
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

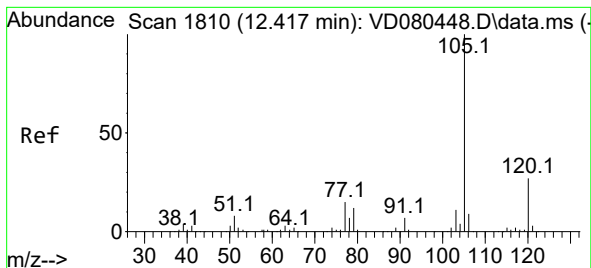
Tgt Ion: 83 Resp: 3949
Ion Ratio Lower Upper
83 100
85 73.6 42.8 79.6
131 12.4 7.8 11.8#



#59
Bromoform
Concen: 1.34 ug/L
RT: 12.299 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

Tgt Ion:173 Resp: 2244
Ion Ratio Lower Upper
173 100
175 37.0 38.2 57.4#
254 0.0 9.0 13.4#





#60

Isopropylbenzene

Concen: 1.08 ug/L

RT: 12.417 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

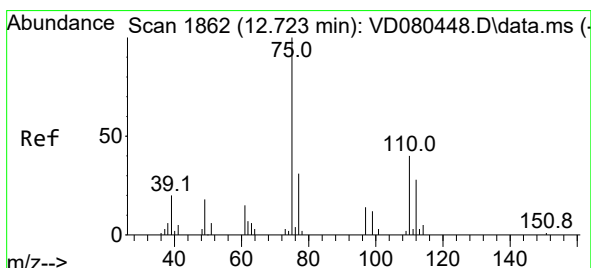
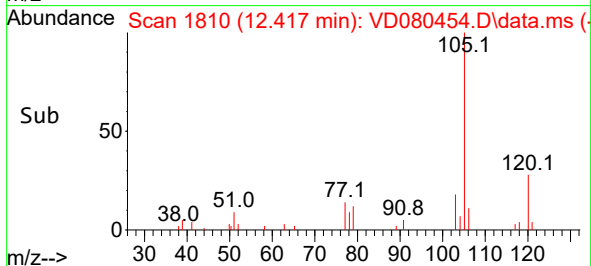
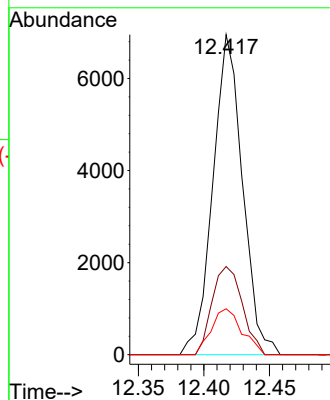
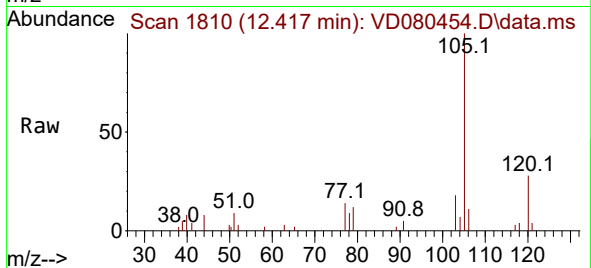
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

Tgt Ion:	105	Resp:	10918
Ion	Ratio	Lower	Upper
105	100		
120	28.1	22.1	33.1
77	14.8	12.1	18.1



#61

1,2,3-Trichloropropane

Concen: 1.42 ug/L

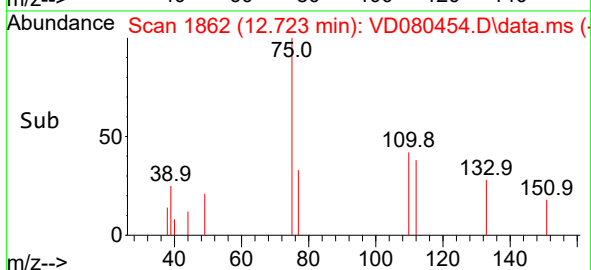
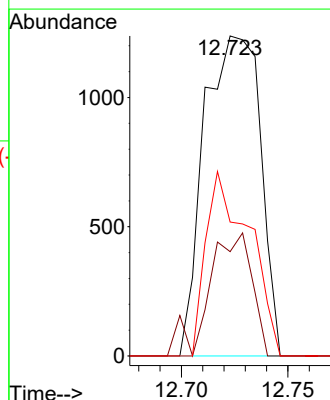
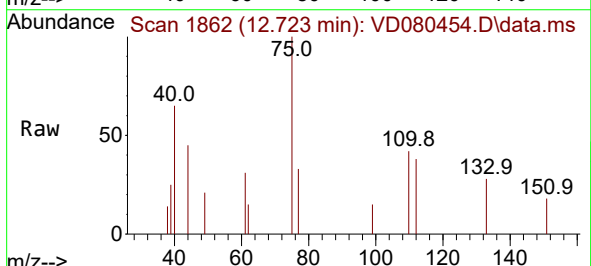
RT: 12.723 min Scan# 1862

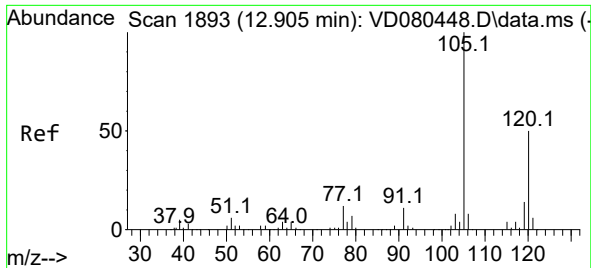
Delta R.T. -0.000 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Tgt Ion:	75	Resp:	2273
Ion	Ratio	Lower	Upper
75	100		
77	27.1	26.8	40.2
110	33.8	33.0	49.4

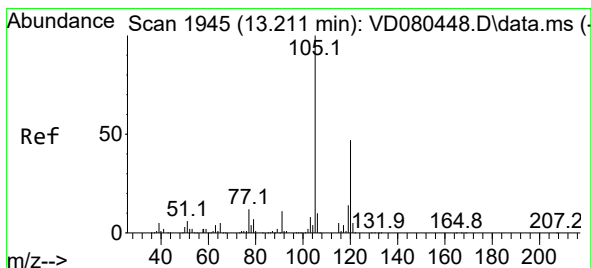
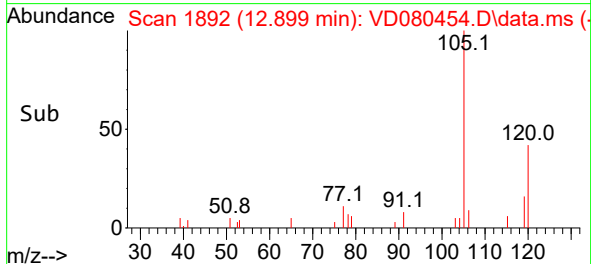
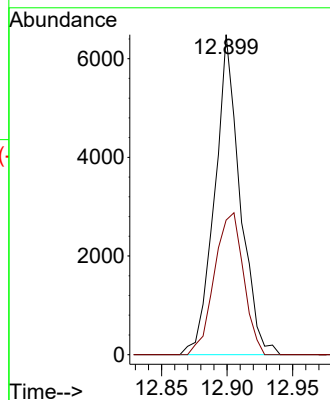
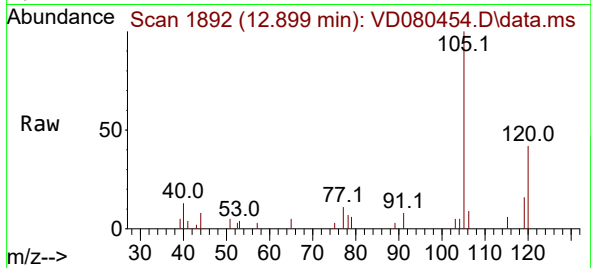




#62
1,3,5-Trimethylbenzene
Concen: 1.12 ug/L
RT: 12.899 min Scan# 1892
Delta R.T. -0.006 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

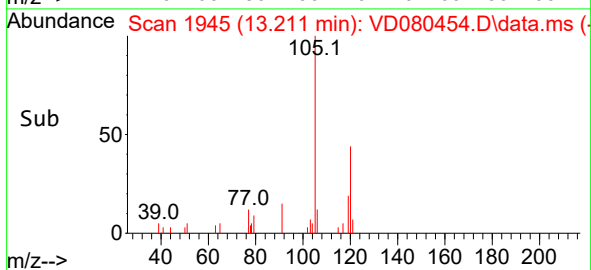
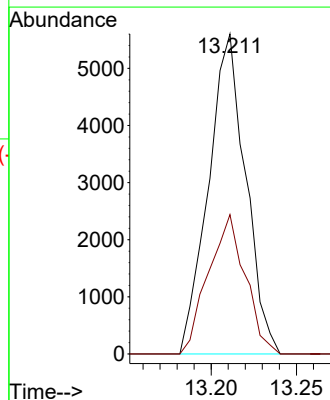
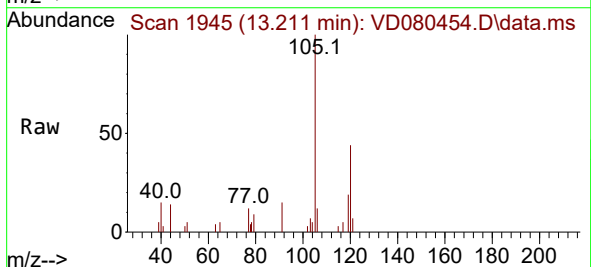
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

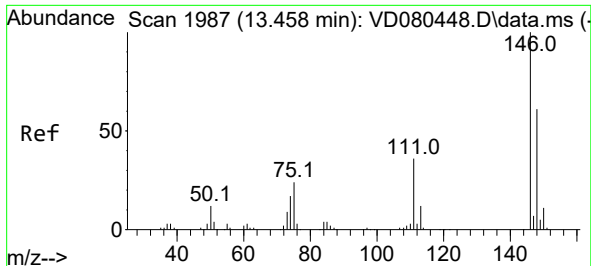
Tgt Ion:105 Resp: 8719
Ion Ratio Lower Upper
105 100
120 51.0 40.1 60.1



#63
1,2,4-Trimethylbenzene
Concen: 1.11 ug/L
RT: 13.211 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

Tgt Ion:105 Resp: 8489
Ion Ratio Lower Upper
105 100
120 43.3 37.5 56.3

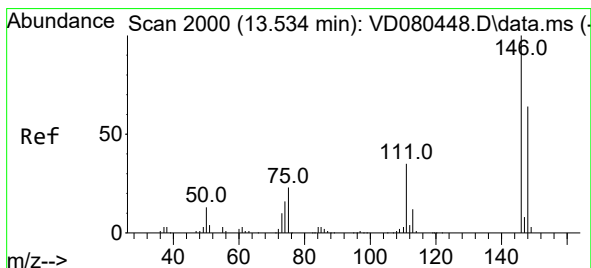
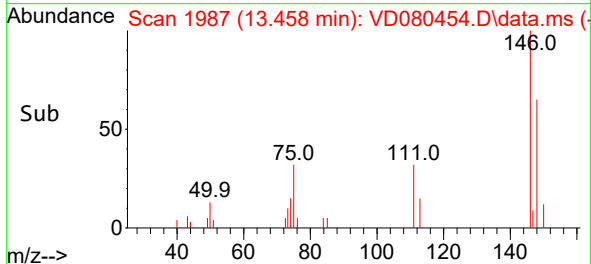
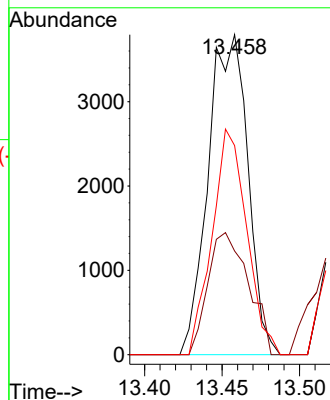
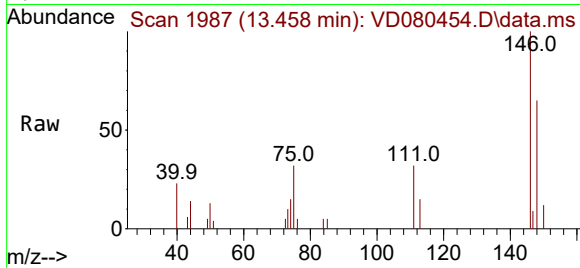




#64
1,3-Dichlorobenzene
Concen: 1.28 ug/L
RT: 13.458 min Scan# 1987
Delta R.T. 0.000 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

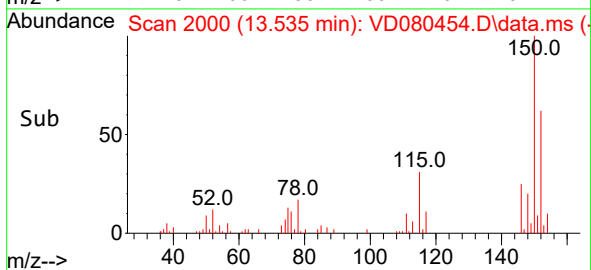
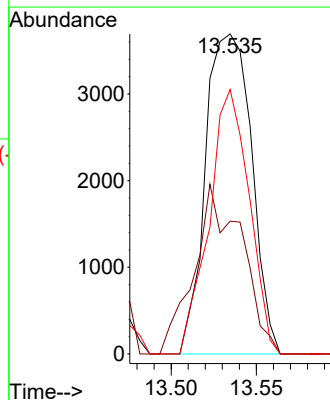
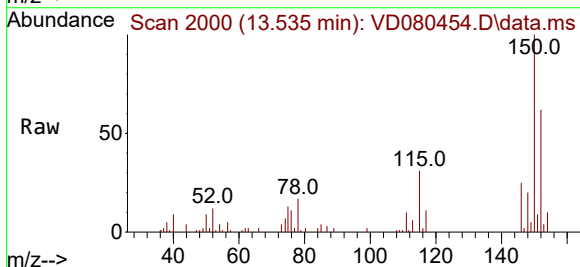
Instrument :
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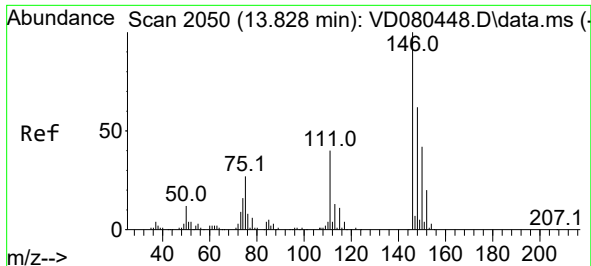
Tgt Ion:146 Resp: 6729
Ion Ratio Lower Upper
146 100
111 32.4 25.4 47.2
148 65.4 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 1.26 ug/L
RT: 13.535 min Scan# 2000
Delta R.T. 0.001 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

Tgt Ion:146 Resp: 6940
Ion Ratio Lower Upper
146 100
111 47.6 24.5 45.5#
148 82.6 44.6 82.8

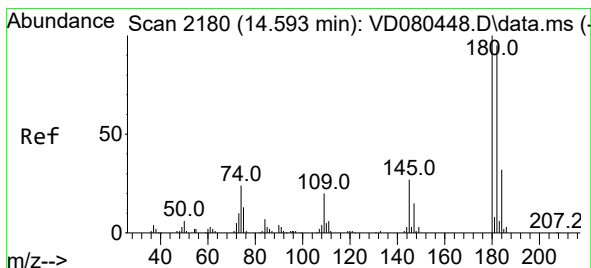
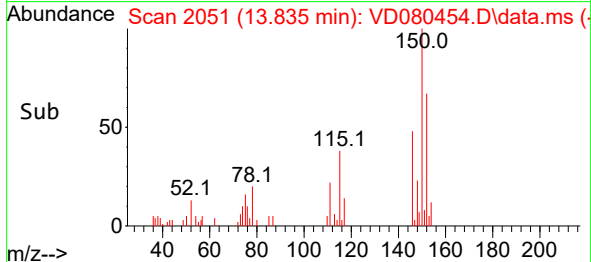
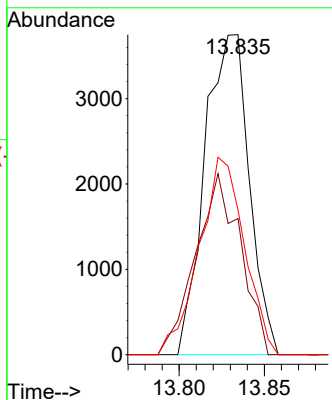
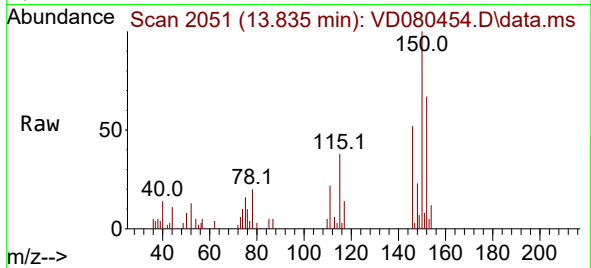




#67
1,2-Dichlorobenzene
Concen: 1.43 ug/L
RT: 13.835 min Scan# 2050
Delta R.T. 0.007 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

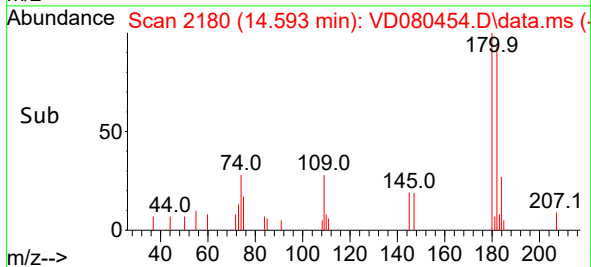
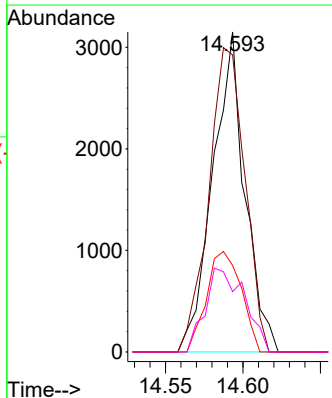
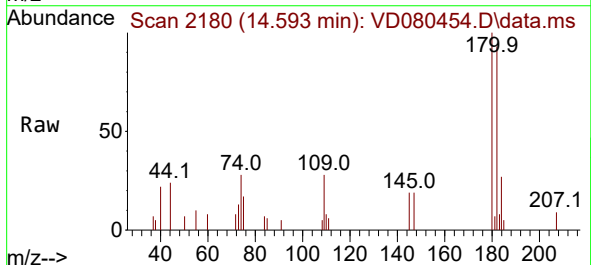
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

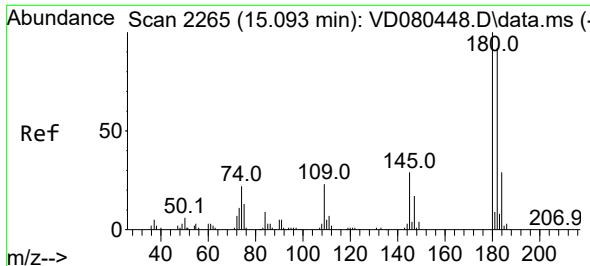
Tgt Ion:146 Resp: 6790
Ion Ratio Lower Upper
146 100
111 42.6 32.0 48.0
148 45.2 49.7 74.5#



#69
1,3,5-Trichlorobenzene
Concen: 1.25 ug/L
RT: 14.593 min Scan# 2180
Delta R.T. 0.000 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

Tgt Ion:180 Resp: 4550
Ion Ratio Lower Upper
180 100
182 106.4 77.0 115.4
184 33.8 24.9 37.3
145 32.0 22.3 33.5

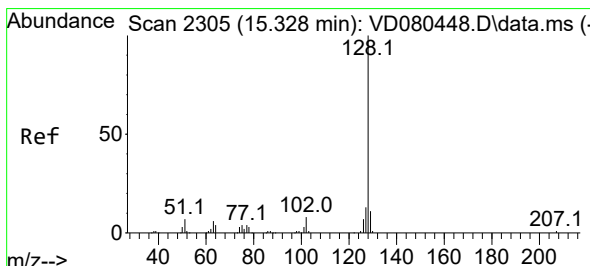
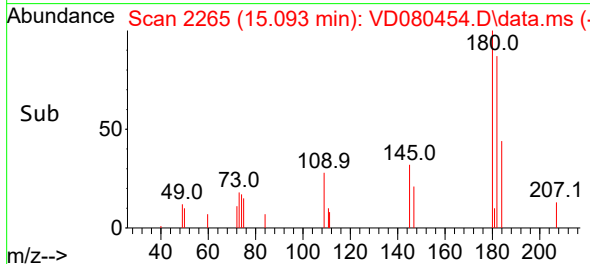
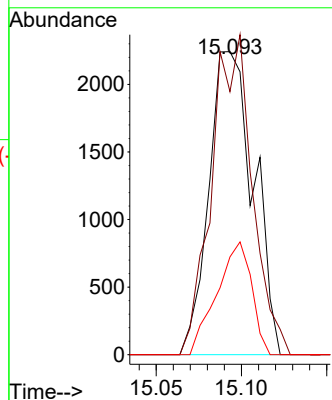
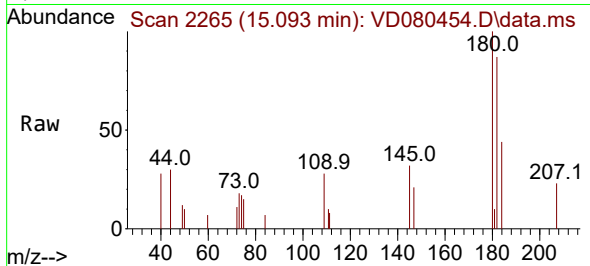




#70
1,2,4-trichlorobenzene
Concen: 1.37 ug/L
RT: 15.093 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

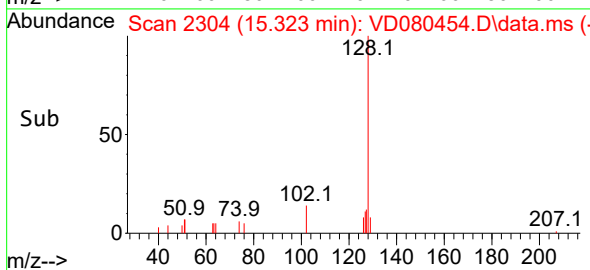
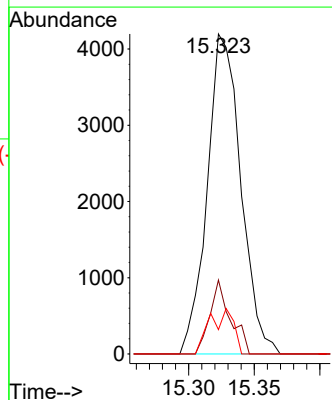
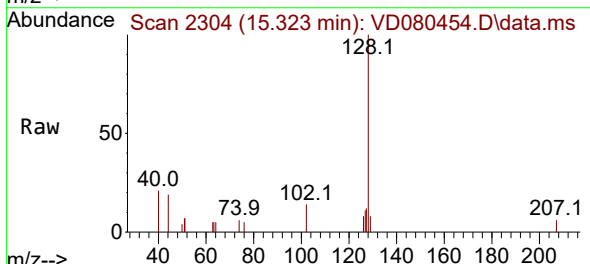
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-03

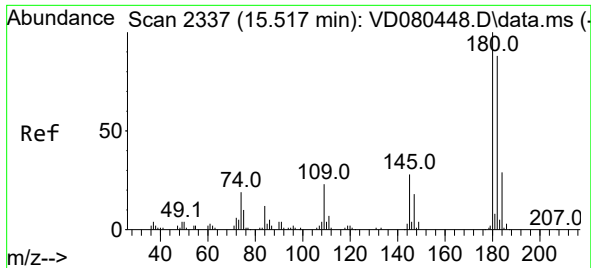
Tgt Ion:180	Resp:	4099
Ion Ratio	Lower	Upper
180	100	
182	95.4	76.0 114.0
145	28.9	22.2 33.4



#71
Naphthalene
Concen: 1.38 ug/L
RT: 15.323 min Scan# 2304
Delta R.T. -0.006 min
Lab File: VD080454.D
Acq: 18 Jun 2025 14:05

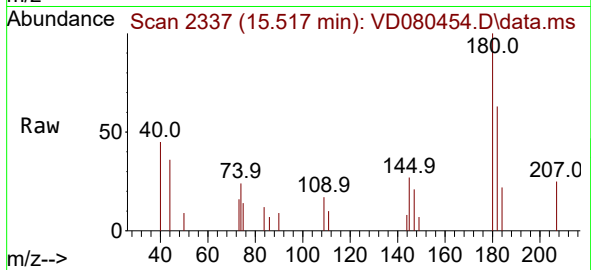
Tgt Ion:128	Resp:	7486
Ion Ratio	Lower	Upper
128	100	
127	14.1	11.0 16.6
129	4.8	9.0 13.4#





#72
 1,2,3-Trichlorobenzene
 Concen: 1.32 ug/L
 RT: 15.517 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD080454.D
 Acq: 18 Jun 2025 14:05

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



Tgt Ion:180 Resp: 3679
 Ion Ratio Lower Upper
 180 100
 182 92.7 74.7 112.1
 145 28.6 24.2 36.4

