

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062325\
 Data File : VD080469.D
 Acq On : 23 Jun 2025 10:43
 Operator : RP/MD
 Sample : Q2117-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2025-04

Quant Time: Jun 24 10:14:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jun 24 10:12:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	187283	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	184700	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	89007	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	63482	20.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.00%
7) Chloroethane-d5	2.806	69	59253	21.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.48%
11) 1,1-Dichloroethene-d2	3.917	65	22267	20.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.12%
21) 2-Butanone-d5	6.988	46	22223	42.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.42%
24) Chloroform-d	7.564	84	111355	21.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.36%
26) 1,2-Dichloroethane-d4	8.229	65	62628	23.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	8.199	84	229729	22.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.48%
36) 1,2-Dichloropropane-d6	9.205	67	75646	22.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.80%
41) Toluene-d8	10.270	98	214359	22.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.32%
43) trans-1,3-Dichloroprop...	10.523	79	31611	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.08%
47) 2-Hexanone-d5	10.876	63	22222	43.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.82%
56) 1,1,2,2-Tetrachloroeth...	12.646	84	66595	22.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.40%
66) 1,2-Dichlorobenzene-d4	13.811	152	79490	24.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.52%
Target Compounds						
2) Dichlorodifluoromethane	1.935	85	3792	1.28	ug/L	99
3) Chloromethane	2.147	50	3402	1.22	ug/L	90
5) Vinyl chloride	2.288	62	4249	1.25	ug/L #	64
6) Bromomethane	2.700	94	3336	1.58	ug/L	80
8) Chloroethane	2.847	64	5193m	2.22	ug/L	
9) Trichlorofluoromethane	3.182	101	5559m	1.19	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	4176m	1.44	ug/L	
12) 1,1-Dichloroethene	3.941	96	2981	1.27	ug/L #	1
13) Acetone	4.035	43	1603m	3.57	ug/L	
14) Carbon disulfide	4.276	76	9493	1.19	ug/L #	92
15) Methyl Acetate	4.564	43	1412m	1.31	ug/L	
16) Methylene chloride	4.800	84	5937	2.05	ug/L	83
17) trans-1,2-Dichloroethene	5.311	96	2956m	1.20	ug/L	
18) Methyl tert-butyl Ether	5.311	73	5102m	1.03	ug/L	
19) 1,1-Dichloroethane	6.105	63	5136m	1.11	ug/L	
20) cis-1,2-Dichloroethene	7.088	96	2985m	1.11	ug/L	
22) 2-Butanone	7.100	43	2011m	3.09	ug/L	
23) Bromochloromethane	7.423	128	1518	1.05	ug/L	80
25) Chloroform	7.594	83	19499	3.67	ug/L	98

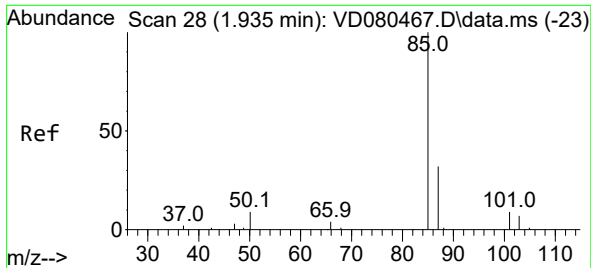
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 Acq On : 23 Jun 2025 10:43
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 MDL-SOIL-QT2-2025-04

Quant Time: Jun 24 10:14:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jun 24 10:12:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.323	62	3607m	1.21	ug/L	
29) Cyclohexane	7.888	56	3801m	0.99	ug/L	
30) 1,1,1-Trichloroethane	7.782	97	5202m	1.19	ug/L	
31) Carbon tetrachloride	7.999	117	4992	1.19	ug/L	95
33) Benzene	8.247	78	12442	1.23	ug/L	100
34) Trichloroethene	9.029	95	3556	1.22	ug/L	87
35) Methylcyclohexane	9.276	83	4752	1.10	ug/L	89
38) Bromodichloromethane	9.582	83	4756	1.28	ug/L #	88
39) cis-1,3-Dichloropropene	10.011	75	4771	1.13	ug/L	93
40) 4-Methyl-2-pentanone	10.158	43	3054	2.11	ug/L #	92
42) Toluene	10.329	91	13165	1.18	ug/L	100
44) trans-1,3-Dichloropropene	10.552	75	5738	1.60	ug/L	95
45) 1,1,2-Trichloroethane	10.729	97	2663	1.16	ug/L	92
46) Tetrachloroethene	10.805	164	3602	1.38	ug/L	87
48) 2-Hexanone	10.917	43	2323	2.20	ug/L #	88
49) Dibromochloromethane	11.070	129	3508m	1.25	ug/L	
50) 1,2-Dibromoethane	11.176	107	2517	1.14	ug/L #	76
51) Chlorobenzene	11.611	112	9803	1.27	ug/L #	88
52) Ethylbenzene	11.676	91	13244	1.09	ug/L	95
53) m,p-Xylene	11.793	106	5401	1.13	ug/L	91
54) o-Xylene	12.117	106	4135	0.92	ug/L	98
55) Styrene	12.129	104	7774	0.98	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.670	83	3801	1.36	ug/L #	92
59) Bromoform	12.299	173	2233	1.28	ug/L #	91
60) Isopropylbenzene	12.417	105	12150	1.15	ug/L	98
61) 1,2,3-Trichloropropane	12.723	75	2046	1.23	ug/L	92
62) 1,3,5-Trimethylbenzene	12.899	105	9644	1.19	ug/L	100
63) 1,2,4-Trimethylbenzene	13.211	105	9056	1.13	ug/L	95
64) 1,3-Dichlorobenzene	13.452	146	6869	1.25	ug/L	91
65) 1,4-Dichlorobenzene	13.534	146	7495	1.31	ug/L	92
67) 1,2-Dichlorobenzene	13.823	146	7505	1.51	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.440	75	378m	0.97	ug/L	
69) 1,3,5-Trichlorobenzene	14.593	180	5253	1.38	ug/L	92
70) 1,2,4-trichlorobenzene	15.099	180	4568	1.46	ug/L #	84
71) Naphthalene	15.323	128	6719	1.19	ug/L	98
72) 1,2,3-Trichlorobenzene	15.517	180	3720	1.27	ug/L #	20

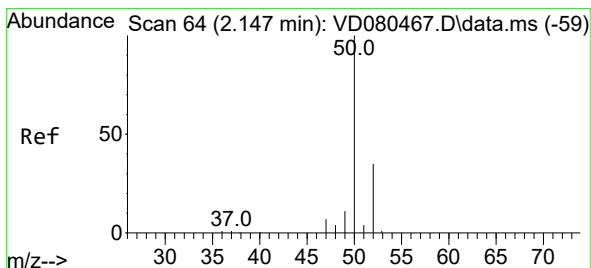
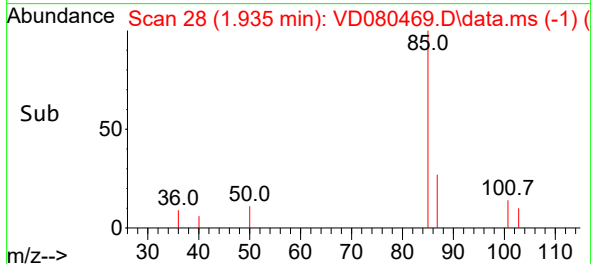
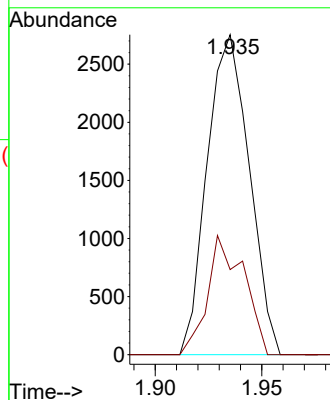
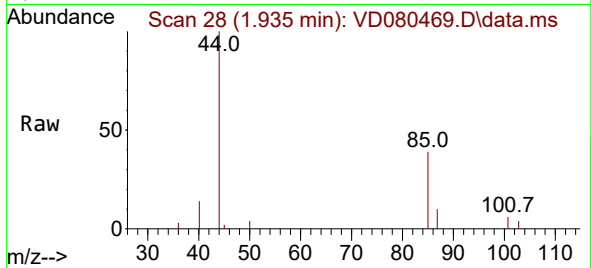
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 1.28 ug/L
 RT: 1.935 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VD080469.D
 Acq: 23 Jun 2025 10:43

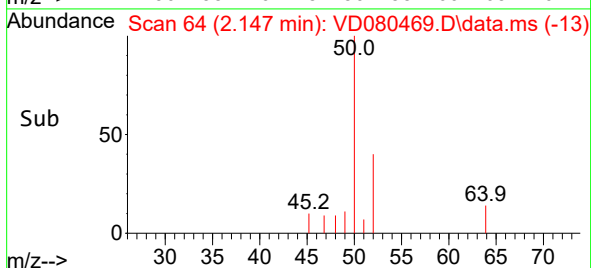
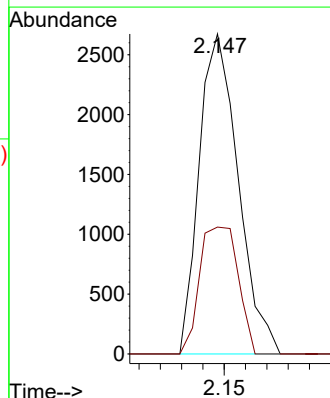
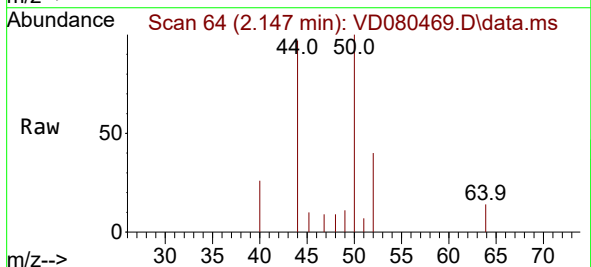
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-QT2-2025-04

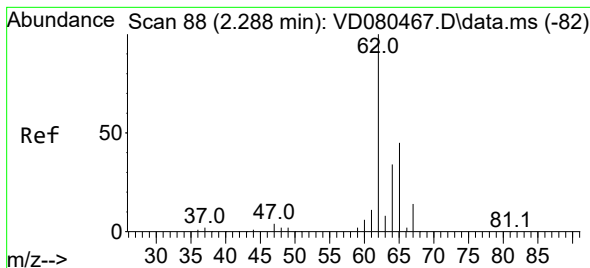
Tgt Ion: 85 Resp: 3792
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.9 38.9



#3
 Chloromethane
 Concen: 1.22 ug/L
 RT: 2.147 min Scan# 64
 Delta R.T. -0.000 min
 Lab File: VD080469.D
 Acq: 23 Jun 2025 10:43

Tgt Ion: 50 Resp: 3402
 Ion Ratio Lower Upper
 50 100
 52 39.6 23.8 44.2





#5

Vinyl chloride

Concen: 1.25 ug/L

RT: 2.288 min Scan# 88

Delta R.T. -0.000 min

Lab File: VD080469.D

Acq: 23 Jun 2025 10:43

Instrument :

MSVOA_D

ClientSampleId :

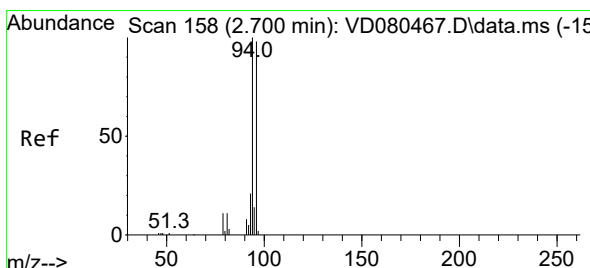
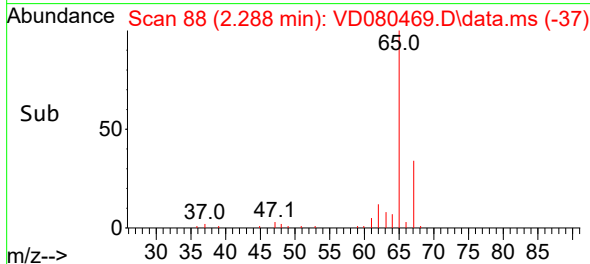
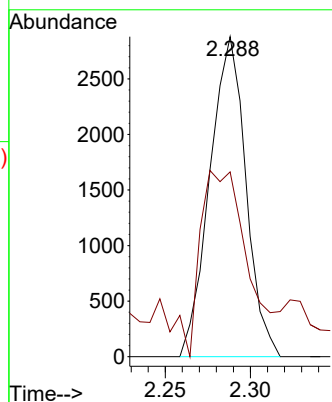
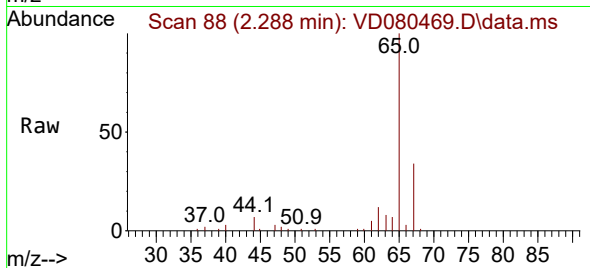
MDL-SOIL-QT2-2025-04

Tgt Ion: 62 Resp: 4249

Ion Ratio Lower Upper

62 100

64 57.8 25.6 47.6#



#6

Bromomethane

Concen: 1.58 ug/L

RT: 2.700 min Scan# 158

Delta R.T. -0.000 min

Lab File: VD080469.D

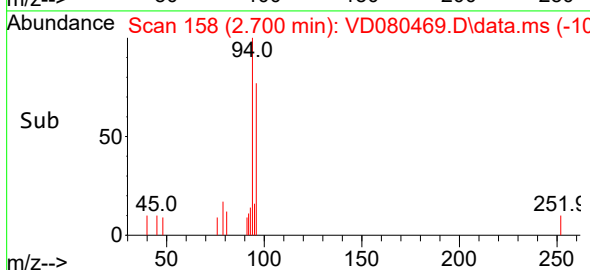
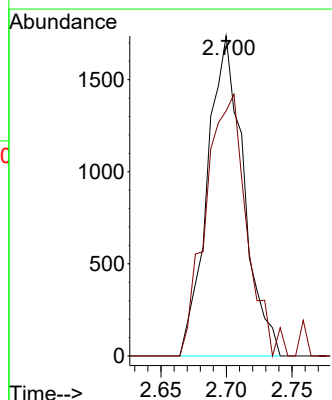
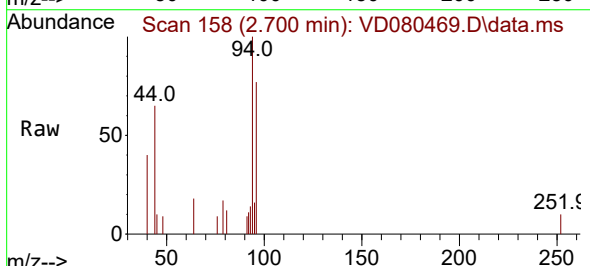
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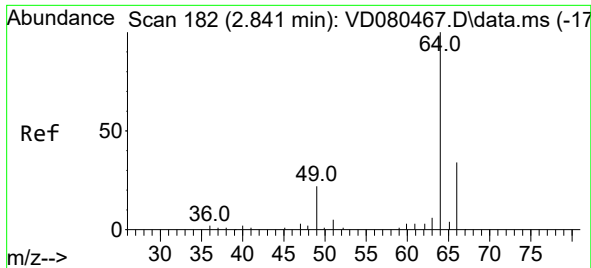
Tgt Ion: 94 Resp: 3336

Ion Ratio Lower Upper

94 100

96 76.6 67.6 125.6

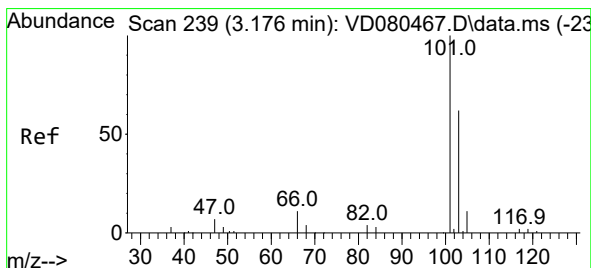
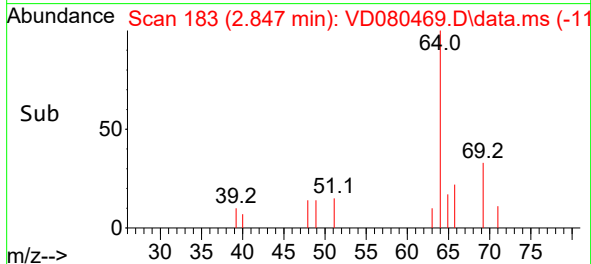
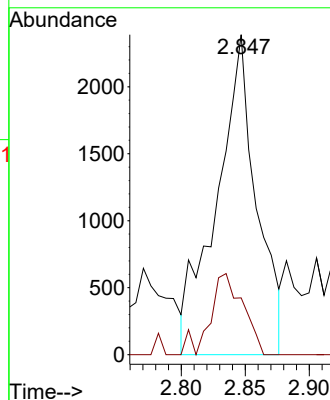
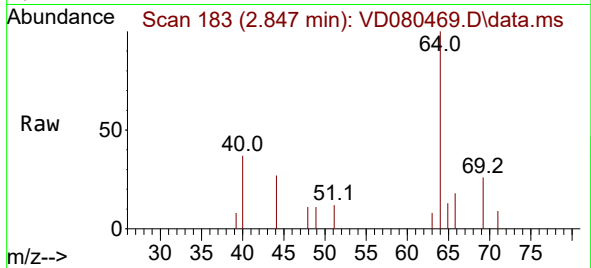




#8
Chloroethane
Concen: 2.22 ug/L m
RT: 2.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

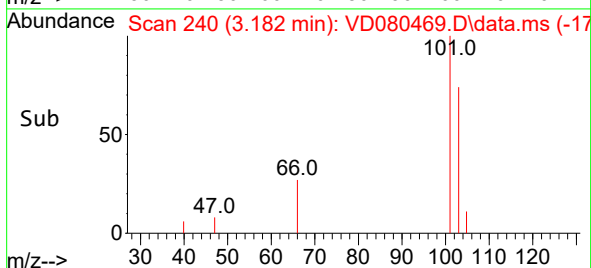
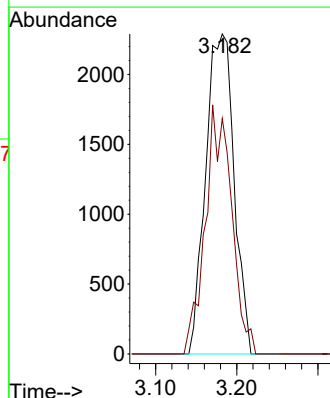
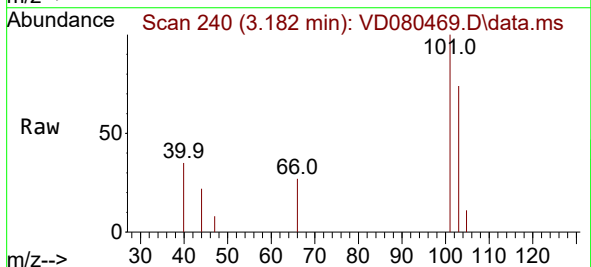
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MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

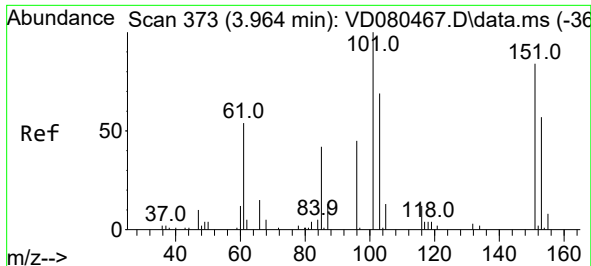
Tgt Ion: 64 Resp: 5193
Ion Ratio Lower Upper
64 100
66 17.7 23.9 44.3#



#9
Trichlorofluoromethane
Concen: 1.19 ug/L m
RT: 3.182 min Scan# 240
Delta R.T. 0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion:101 Resp: 5559
Ion Ratio Lower Upper
101 100
103 37.6 51.0 76.4#

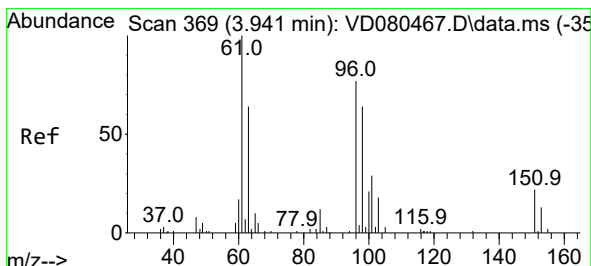
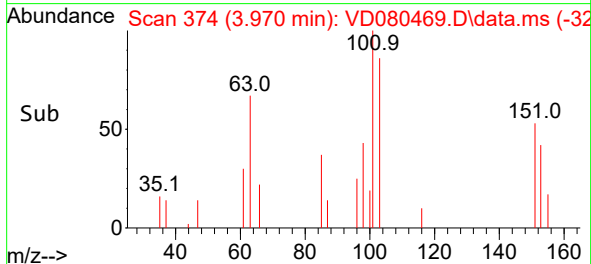
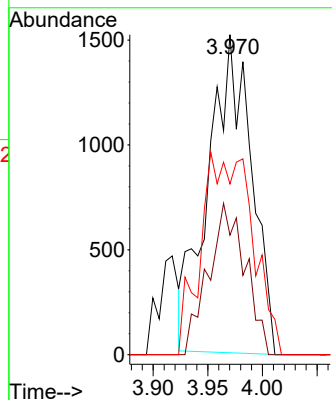
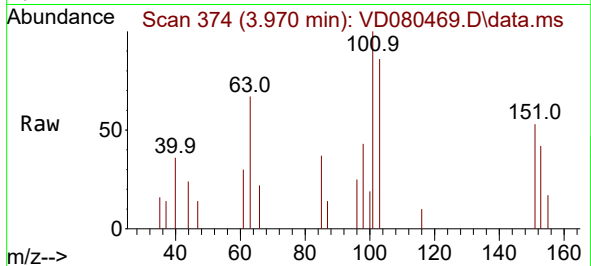




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.44 ug/L m
 RT: 3.970 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VD080469.D
 Acq: 23 Jun 2025 10:43

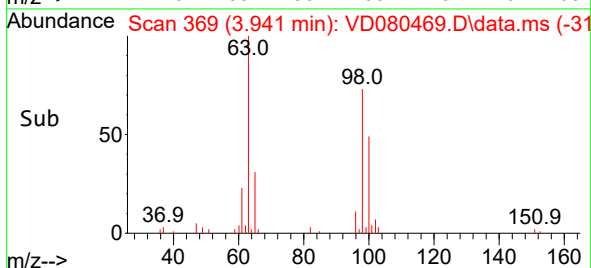
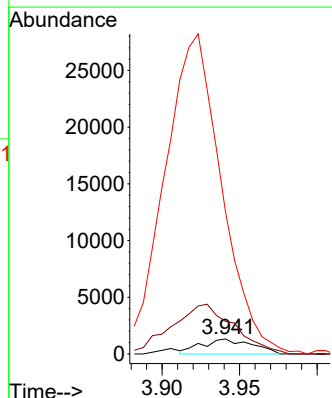
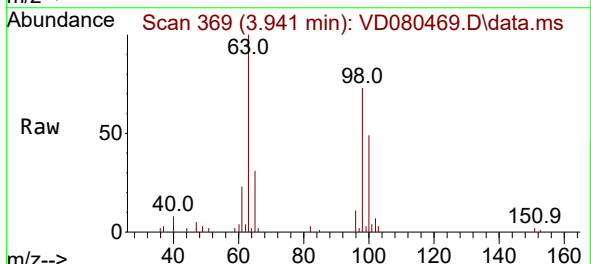
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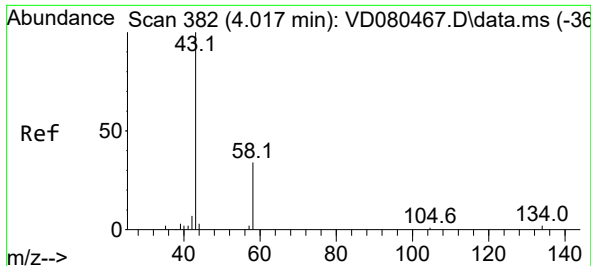
Tgt Ion:101 Resp: 4176
 Ion Ratio Lower Upper
 101 100
 85 40.4 32.0 48.0
 151 32.1 63.7 95.5#



#12
 1,1-Dichloroethene
 Concen: 1.27 ug/L
 RT: 3.941 min Scan# 369
 Delta R.T. -0.000 min
 Lab File: VD080469.D
 Acq: 23 Jun 2025 10:43

Tgt Ion: 96 Resp: 2981
 Ion Ratio Lower Upper
 96 100
 61 217.0 103.0 191.4#
 63 945.8 66.4 123.2#





#13

Acetone

Concen: 3.57 ug/L m

RT: 4.035 min Scan# 382

Delta R.T. 0.018 min

Lab File: VD080469.D

Acq: 23 Jun 2025 10:43

Instrument :

MSVOA_D

ClientSampleId :

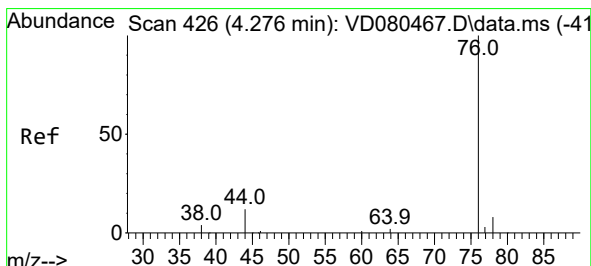
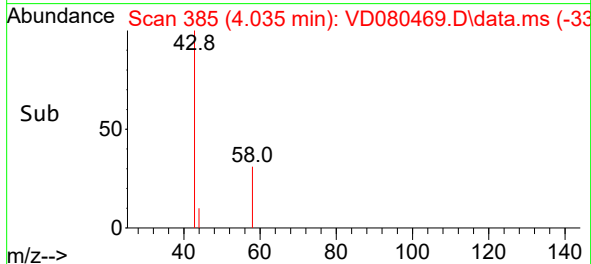
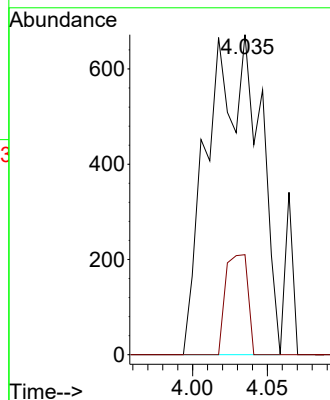
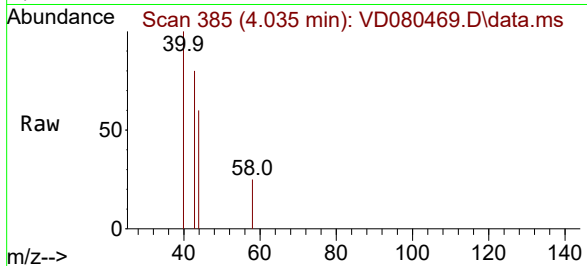
MDL-SOIL-QT2-2025-04

Tgt Ion: 43 Resp: 1603

Ion Ratio Lower Upper

43 100

58 13.5 0.0 71.0



#14

Carbon disulfide

Concen: 1.19 ug/L

RT: 4.276 min Scan# 426

Delta R.T. -0.000 min

Lab File: VD080469.D

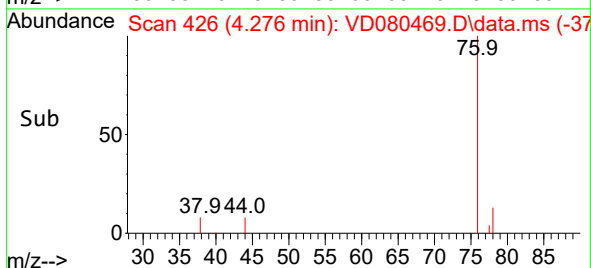
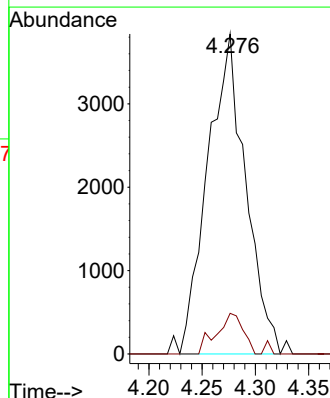
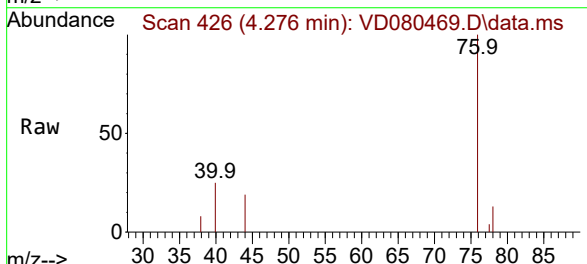
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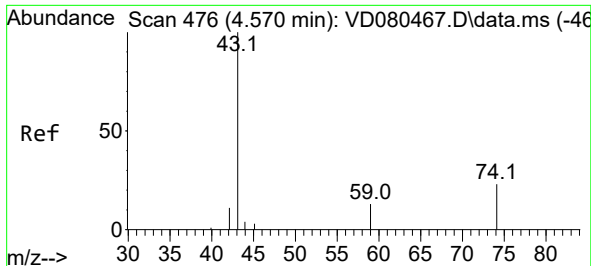
Tgt Ion: 76 Resp: 9493

Ion Ratio Lower Upper

76 100

78 12.7 7.9 11.9#

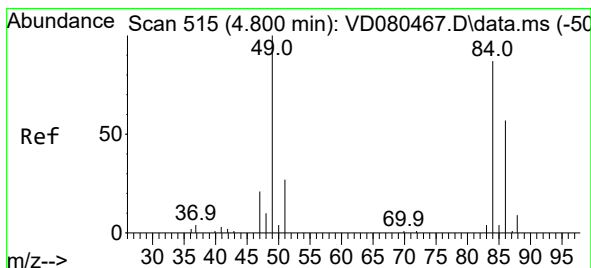
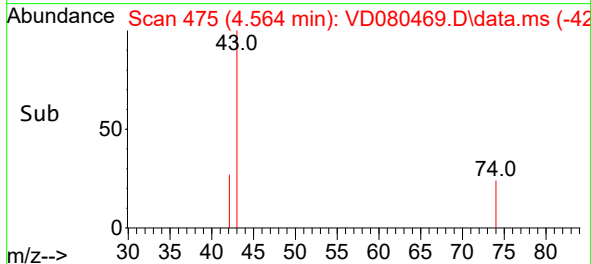
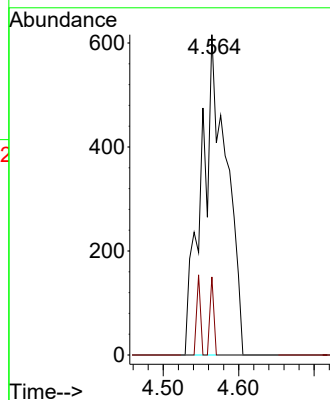
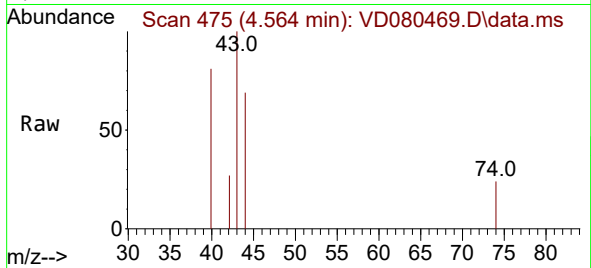




#15
Methyl Acetate
Concen: 1.31 ug/L m
RT: 4.564 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

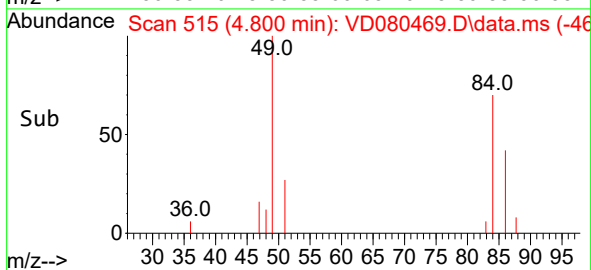
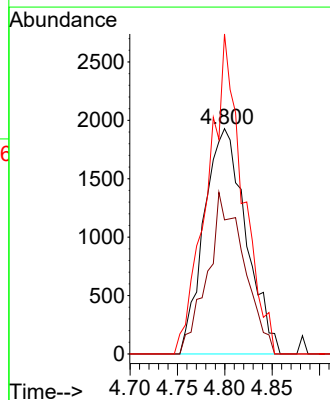
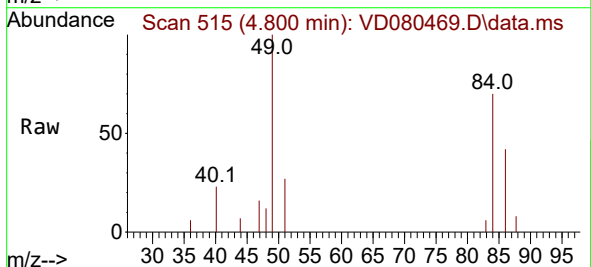
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

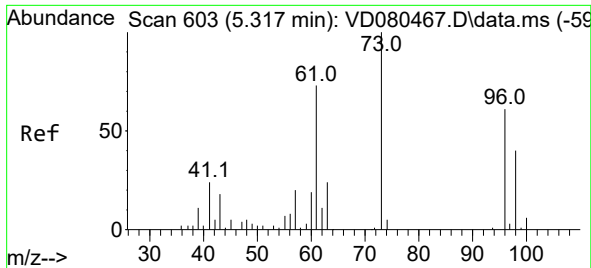
Tgt Ion: 43 Resp: 1412
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#16
Methylene chloride
Concen: 2.05 ug/L
RT: 4.800 min Scan# 515
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion: 84 Resp: 5937
Ion Ratio Lower Upper
84 100
86 59.5 46.7 86.7
49 142.0 83.0 154.1

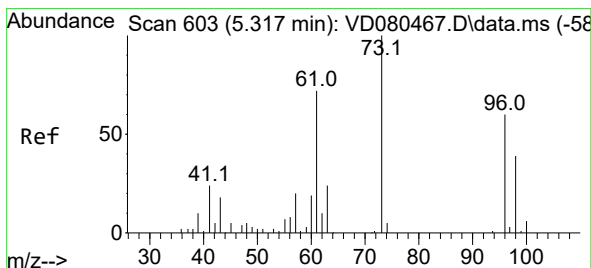
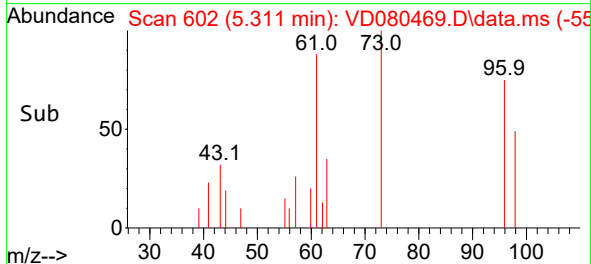
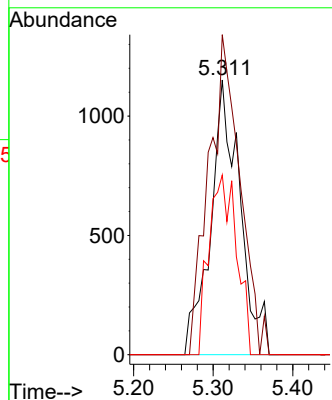
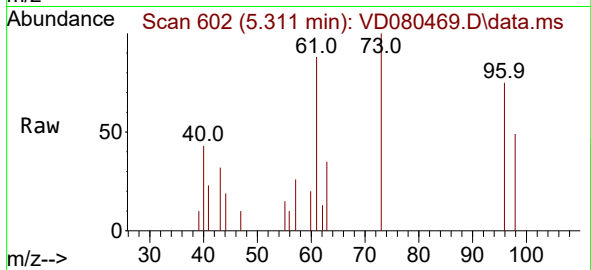




#17
trans-1,2-Dichloroethene
Concen: 1.20 ug/L m
RT: 5.311 min Scan# 602
Delta R.T. -0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

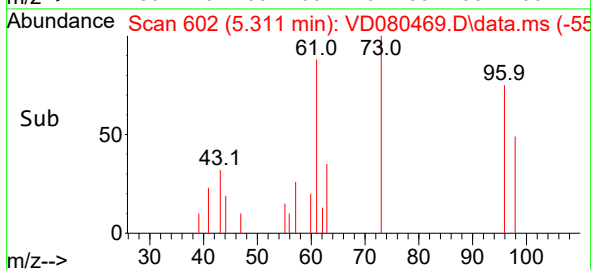
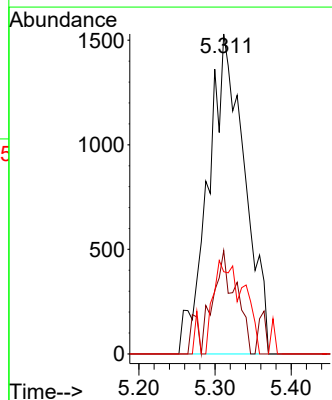
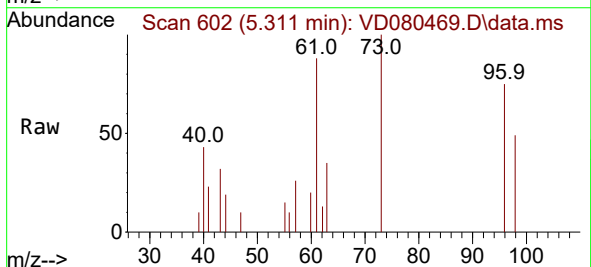
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

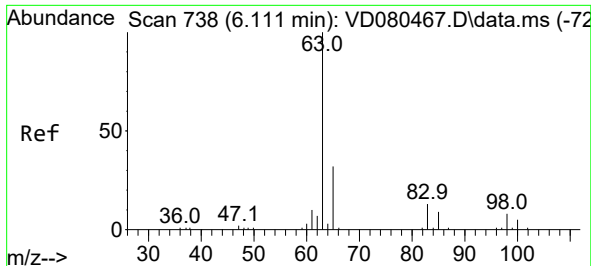
Tgt Ion: 96	Resp:	2956	
Ion	Ratio	Lower	Upper
96	100		
61	116.5	82.0	152.2
98	65.4	40.3	74.8



#18
Methyl tert-butyl Ether
Concen: 1.03 ug/L m
RT: 5.311 min Scan# 602
Delta R.T. -0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion: 73	Resp:	5102	
Ion	Ratio	Lower	Upper
73	100		
43	12.9	15.8	23.8#
57	12.2	17.6	26.4#

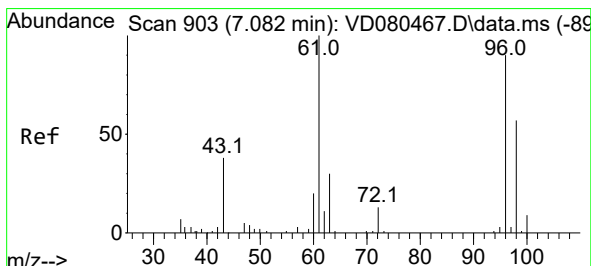
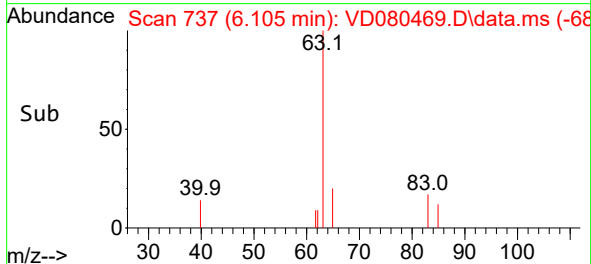
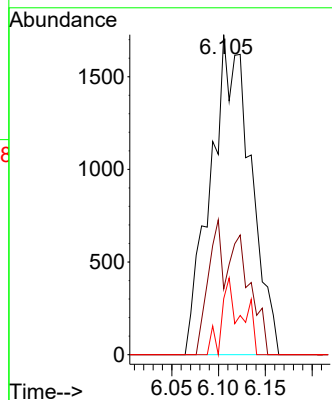
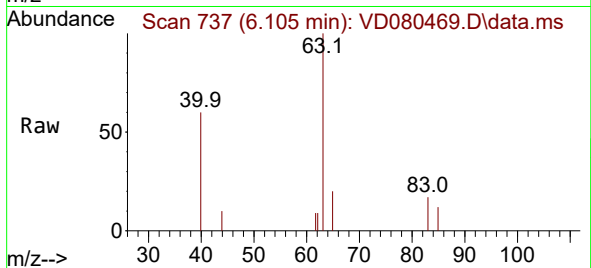




#19
1,1-Dichloroethane
Concen: 1.11 ug/L m
RT: 6.105 min Scan# 71
Delta R.T. -0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

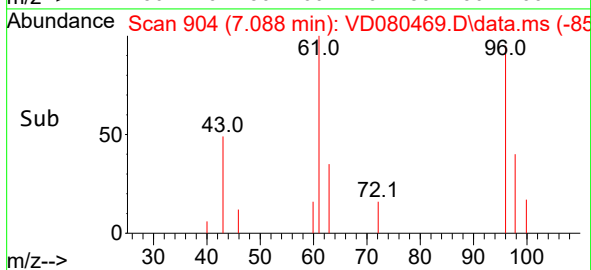
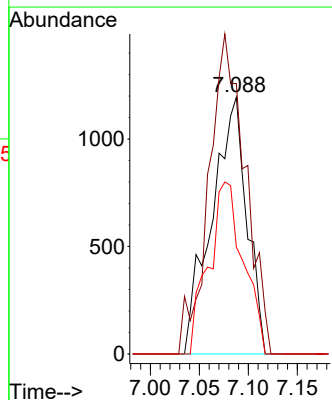
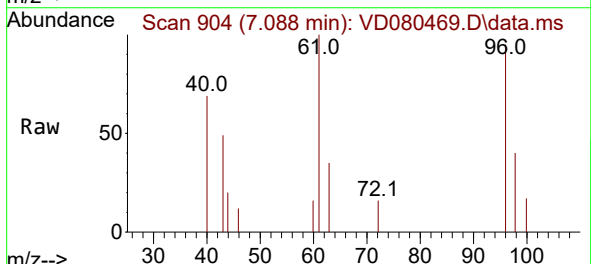
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

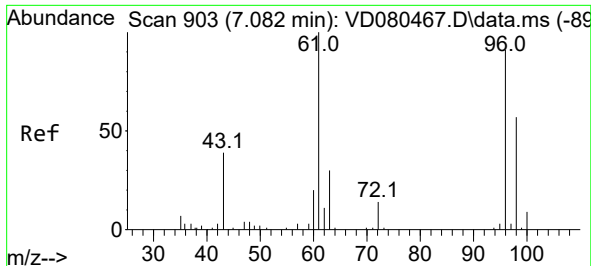
Tgt Ion: 63 Resp: 5136
Ion Ratio Lower Upper
63 100
65 20.5 22.0 41.0#
83 17.5 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 1.11 ug/L m
RT: 7.088 min Scan# 904
Delta R.T. 0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion: 96 Resp: 2985
Ion Ratio Lower Upper
96 100
61 105.3 75.8 140.8
98 41.7 45.9 85.3#

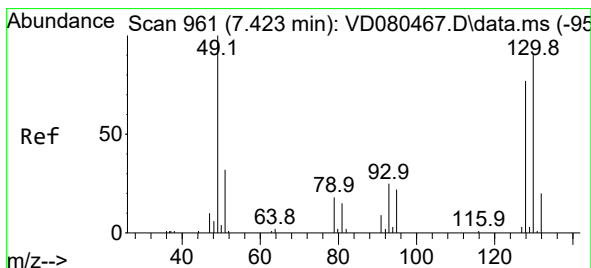
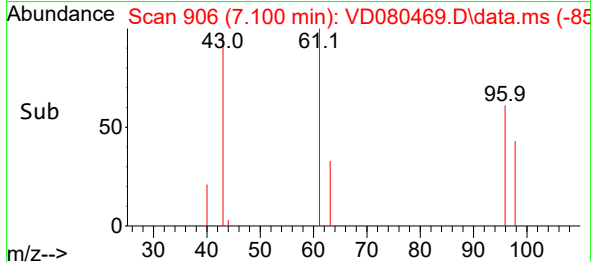
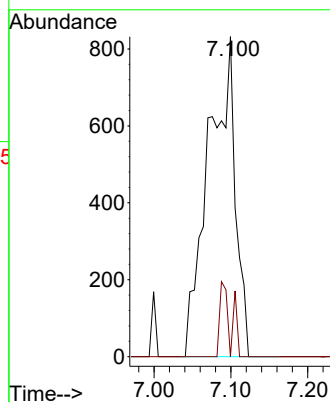
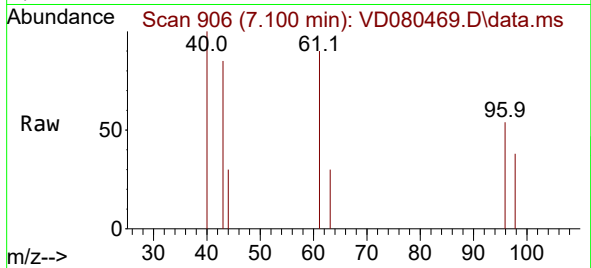




#22
2-Butanone
Concen: 3.09 ug/L m
RT: 7.100 min Scan# 903
Delta R.T. 0.018 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

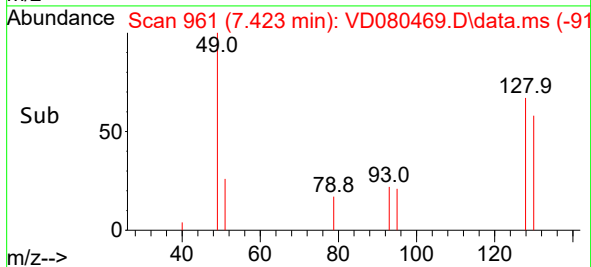
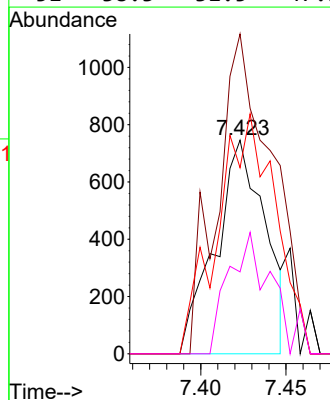
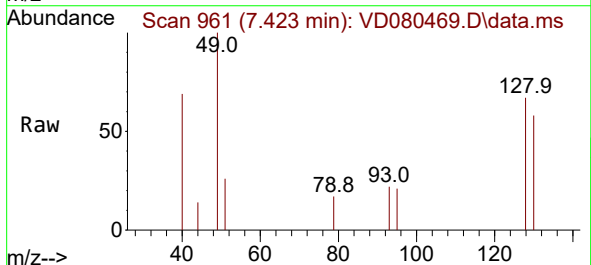
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

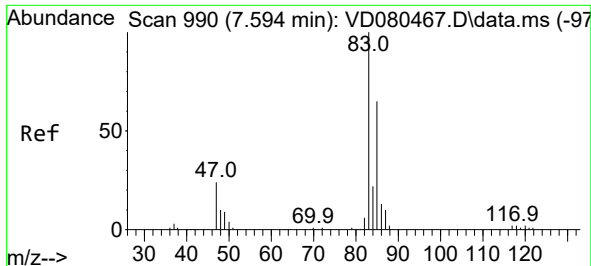
Tgt Ion: 43 Resp: 2011
Ion Ratio Lower Upper
43 100
72 6.5 14.9 44.5#



#23
Bromochloromethane
Concen: 1.05 ug/L
RT: 7.423 min Scan# 961
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion:128 Resp: 1518
Ion Ratio Lower Upper
128 100
49 149.7 89.5 166.3
130 87.1 82.5 153.1
51 38.3 31.5 47.3

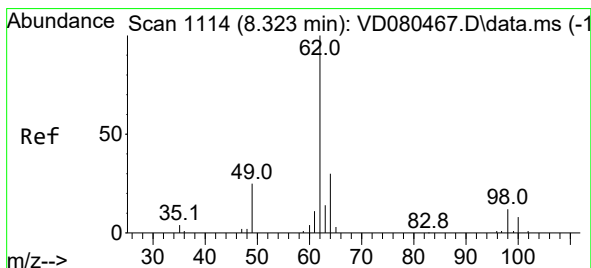
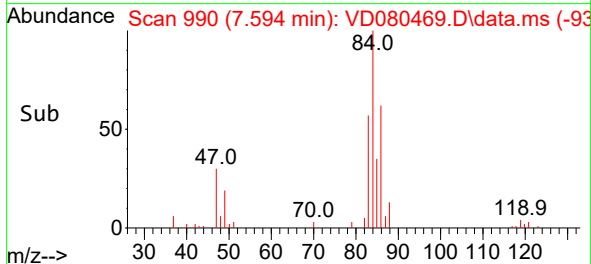
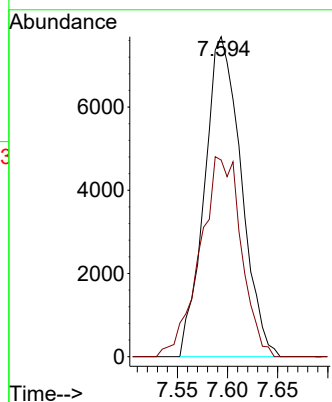
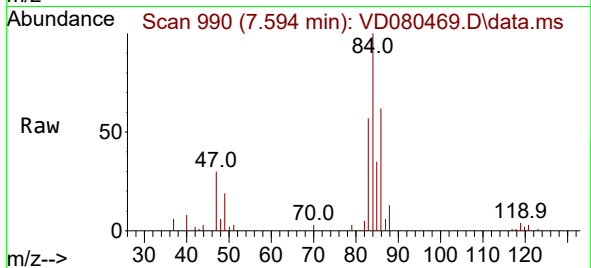




#25
Chloroform
Concen: 3.67 ug/L
RT: 7.594 min Scan# 990
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

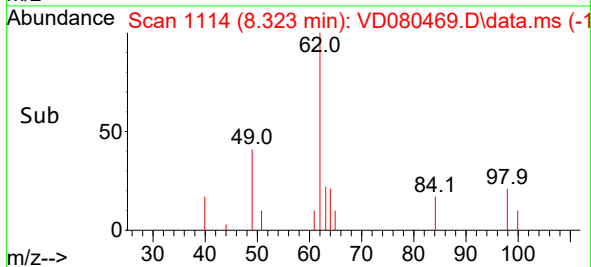
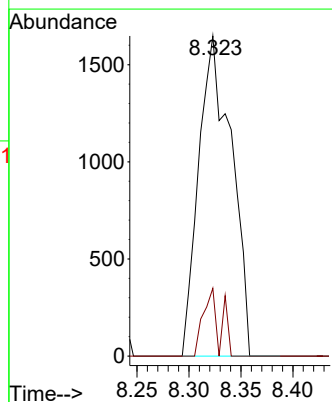
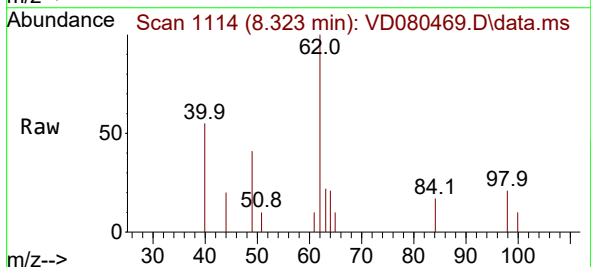
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

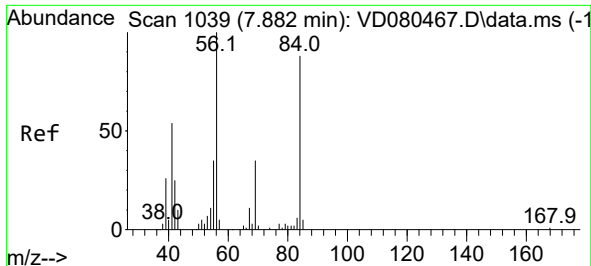
Tgt Ion: 83 Resp: 19499
Ion Ratio Lower Upper
83 100
85 61.4 42.0 78.0



#27
1,2-Dichloroethane
Concen: 1.21 ug/L m
RT: 8.323 min Scan# 1114
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion: 62 Resp: 3607
Ion Ratio Lower Upper
62 100
98 21.2 9.4 14.2#





#29

Cyclohexane

Concen: 0.99 ug/L m

RT: 7.888 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VD080469.D

Acq: 23 Jun 2025 10:43

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2025-04

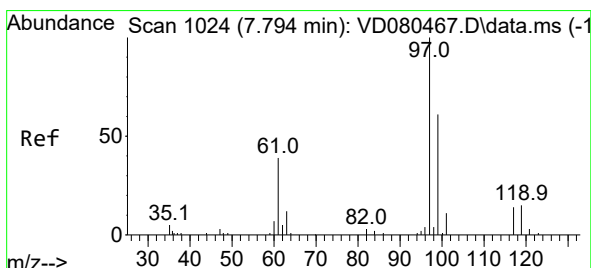
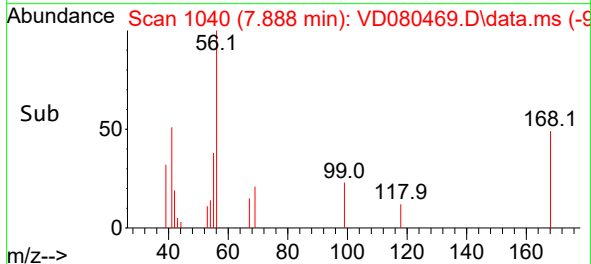
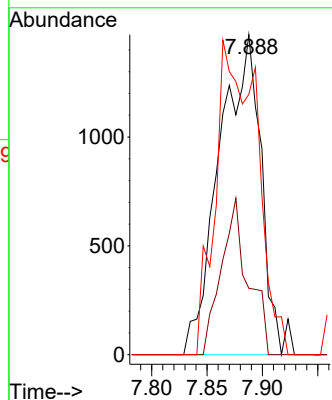
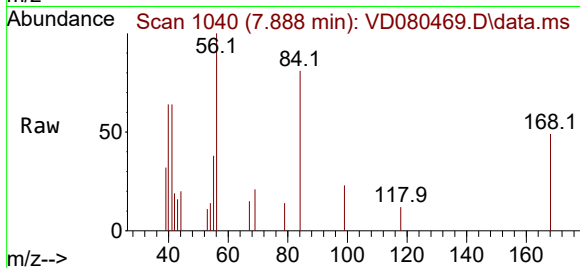
Tgt Ion: 56 Resp: 3801

Ion Ratio Lower Upper

56 100

69 0.0 25.7 38.5#

84 36.4 73.4 110.0#



#30

1,1,1-Trichloroethane

Concen: 1.19 ug/L m

RT: 7.782 min Scan# 1022

Delta R.T. -0.012 min

Lab File: VD080469.D

Acq: 23 Jun 2025 10:43

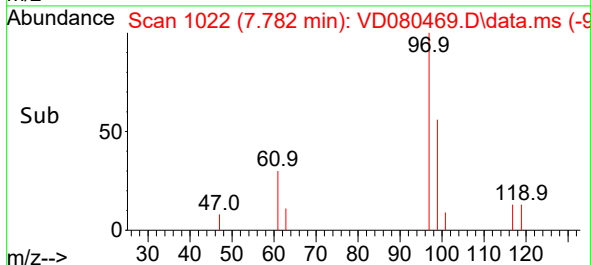
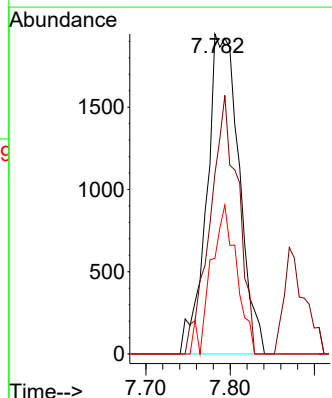
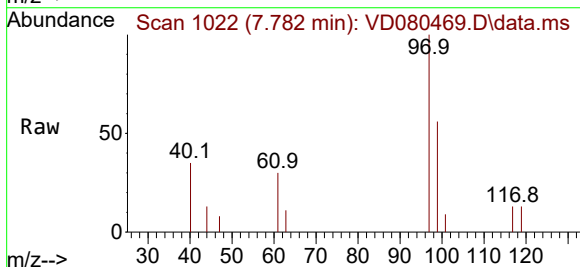
Tgt Ion: 97 Resp: 5202

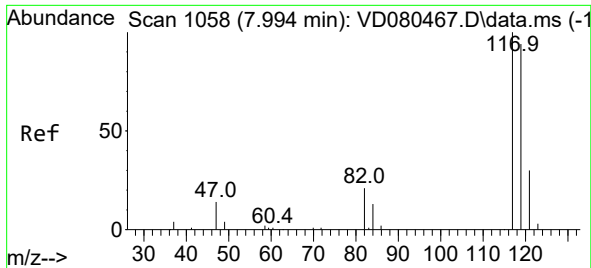
Ion Ratio Lower Upper

97 100

99 57.0 51.1 76.7

61 35.4 32.4 48.6

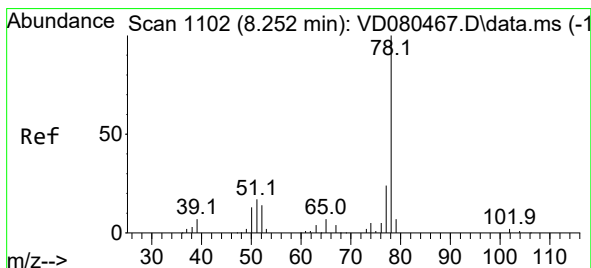
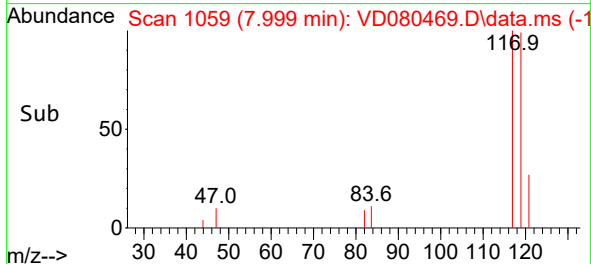
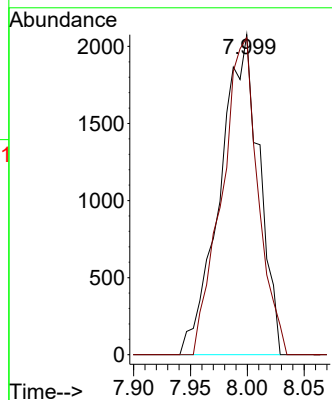
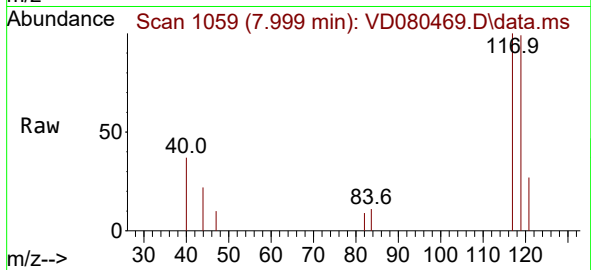




#31
Carbon tetrachloride
Concen: 1.19 ug/L
RT: 7.999 min Scan# 1101
Delta R.T. 0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

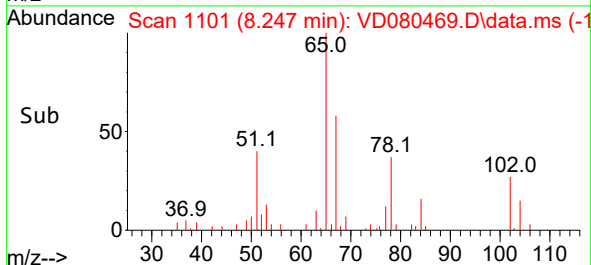
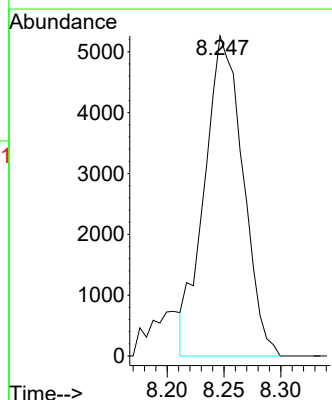
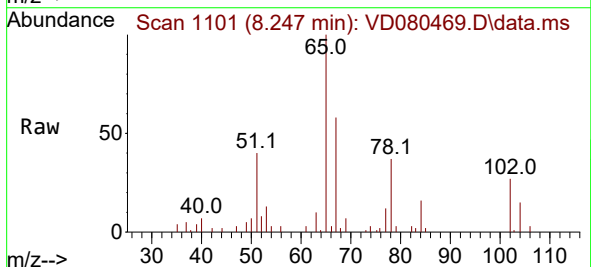
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

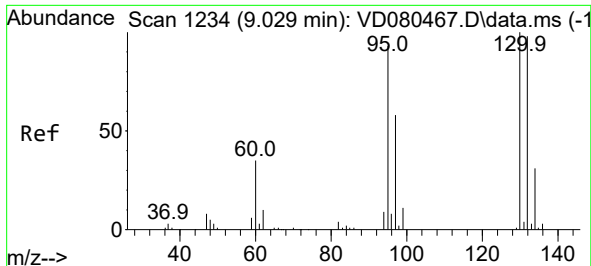
Tgt Ion:117 Resp: 4992
Ion Ratio Lower Upper
117 100
119 91.3 77.2 115.8



#33
Benzene
Concen: 1.23 ug/L
RT: 8.247 min Scan# 1101
Delta R.T. -0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion: 78 Resp: 12442



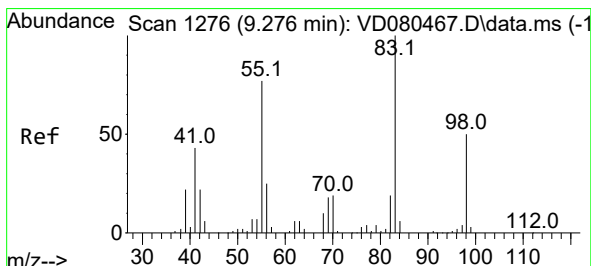
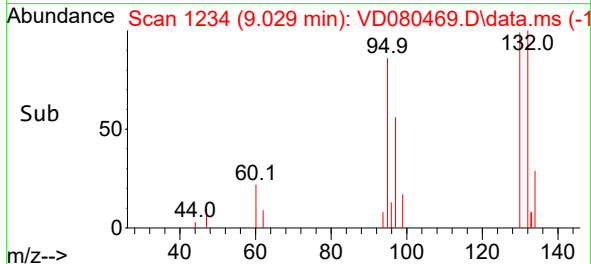
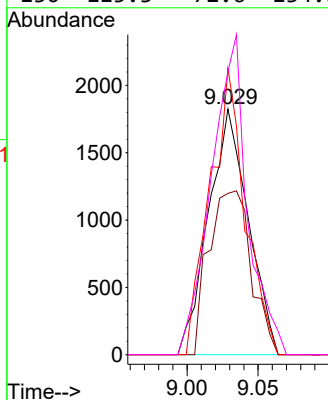
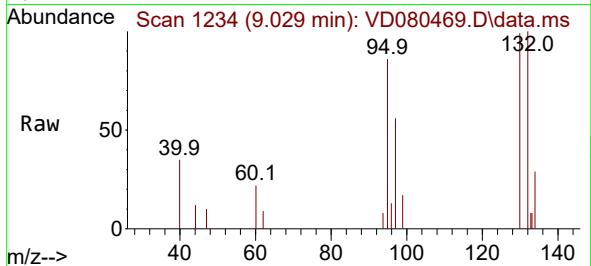


#34
Trichloroethene
Concen: 1.22 ug/L
RT: 9.029 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

Tgt Ion: 95 Resp: 3556

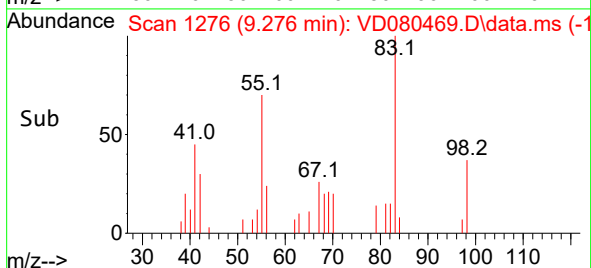
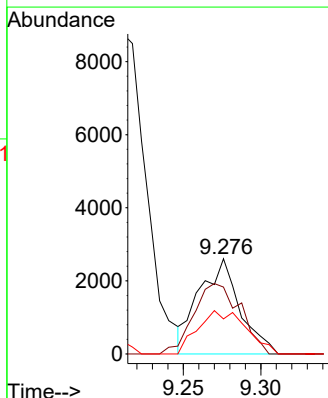
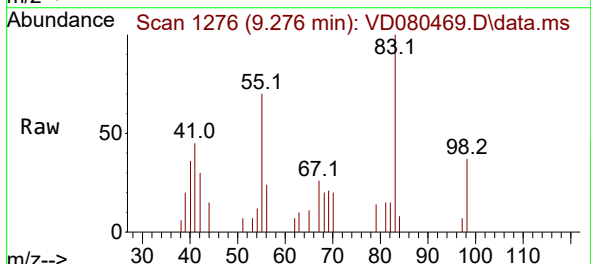
Ion	Ratio	Lower	Upper
95	100		
97	65.7	41.5	77.1
132	116.6	69.1	128.3
130	115.3	72.6	134.8

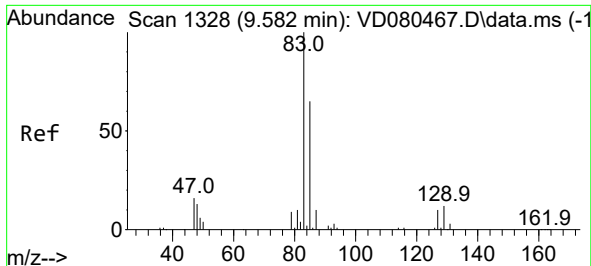


#35
Methylcyclohexane
Concen: 1.10 ug/L
RT: 9.276 min Scan# 1276
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion: 83 Resp: 4752

Ion	Ratio	Lower	Upper
83	100		
55	84.9	59.7	89.5
98	54.0	38.2	57.2

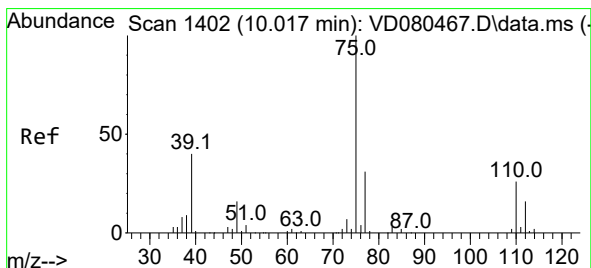
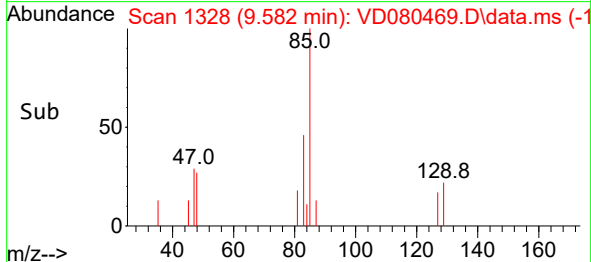
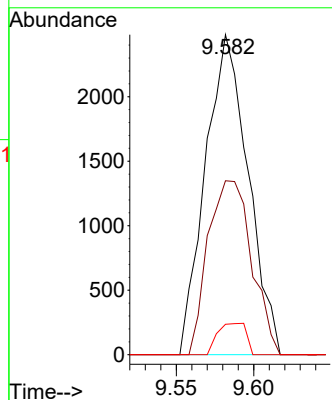
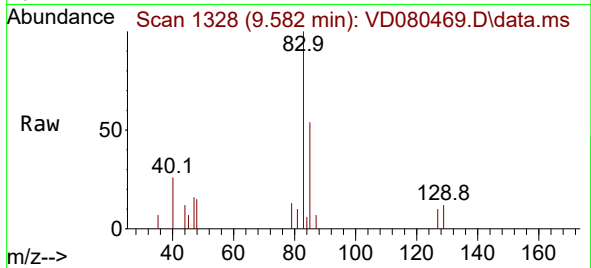




#38
Bromodichloromethane
Concen: 1.28 ug/L
RT: 9.582 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

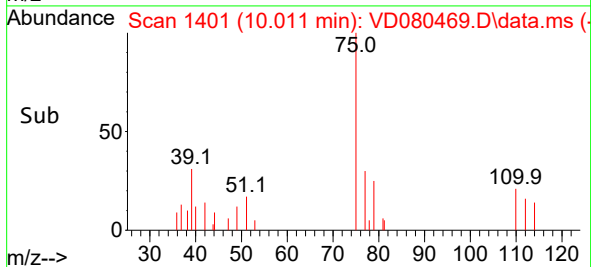
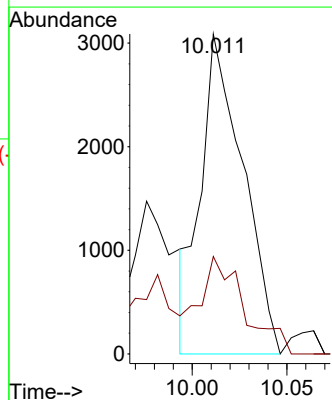
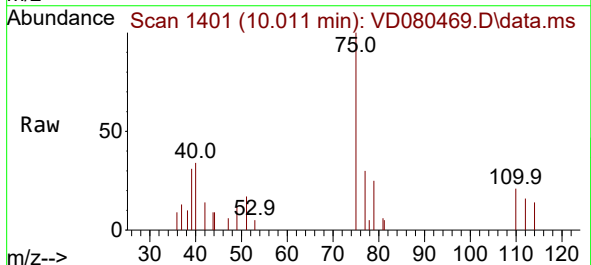
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

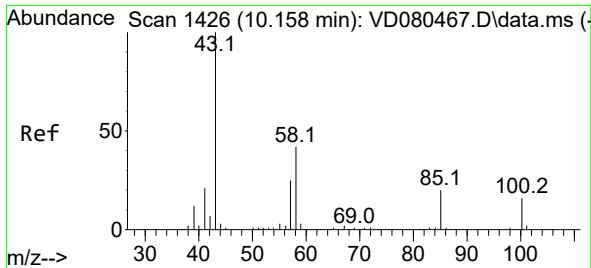
Tgt Ion: 83 Resp: 4756
Ion Ratio Lower Upper
83 100
85 54.4 45.2 84.0
127 9.5 6.2 9.4#



#39
cis-1,3-Dichloropropene
Concen: 1.13 ug/L
RT: 10.011 min Scan# 1401
Delta R.T. -0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion: 75 Resp: 4771
Ion Ratio Lower Upper
75 100
77 30.4 24.1 44.7

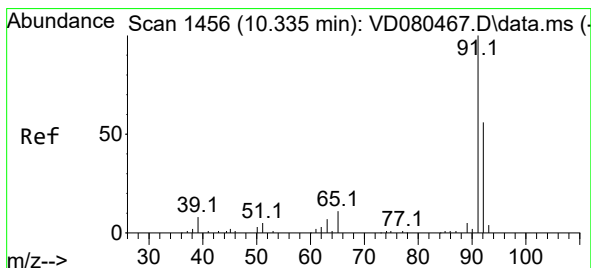
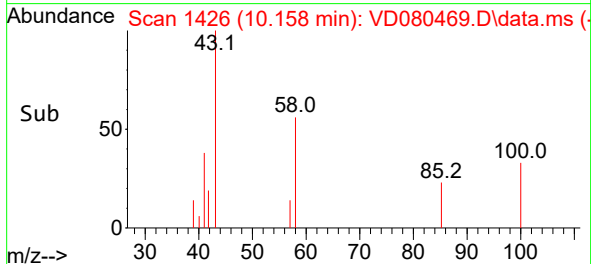
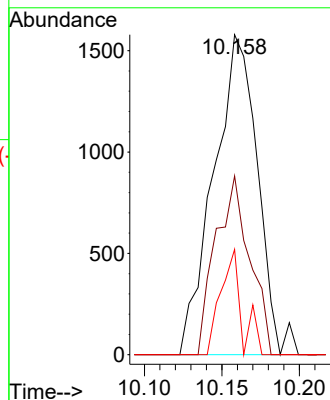
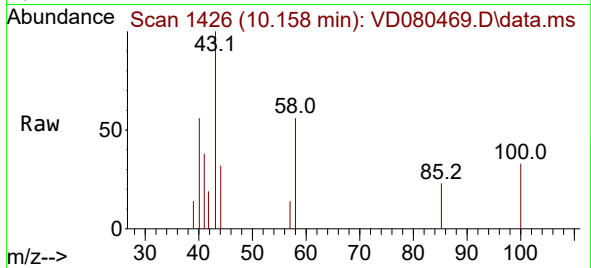




#40
4-Methyl-2-pentanone
Concen: 2.11 ug/L
RT: 10.158 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

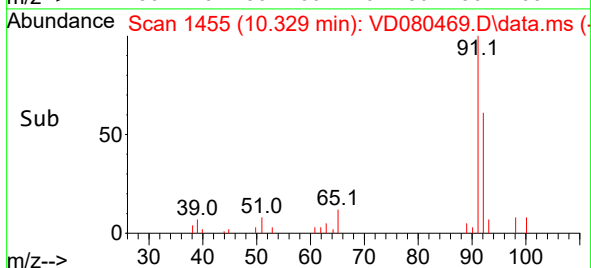
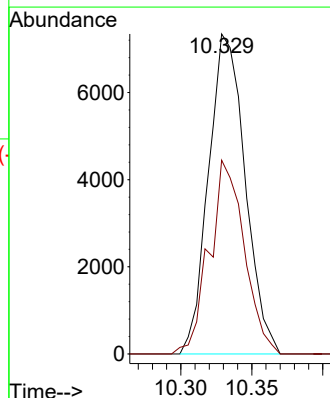
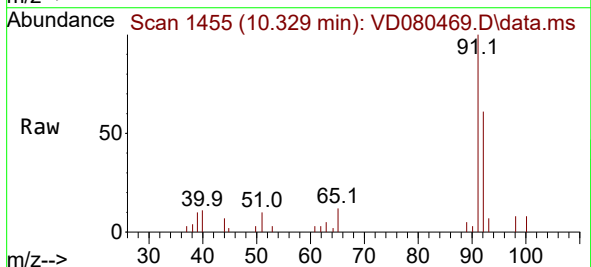
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

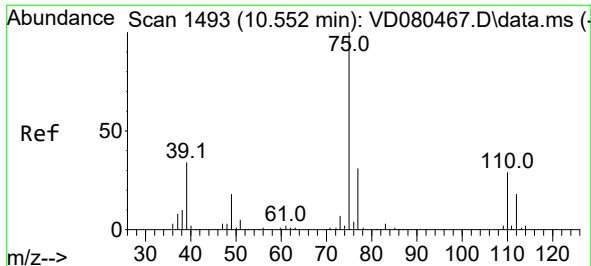
Tgt Ion: 43 Resp: 3054
Ion Ratio Lower Upper
43 100
58 44.1 31.7 47.5
100 13.2 13.4 20.0#



#42
Toluene
Concen: 1.18 ug/L
RT: 10.329 min Scan# 1455
Delta R.T. -0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion: 91 Resp: 13165
Ion Ratio Lower Upper
91 100
92 60.6 42.6 79.0

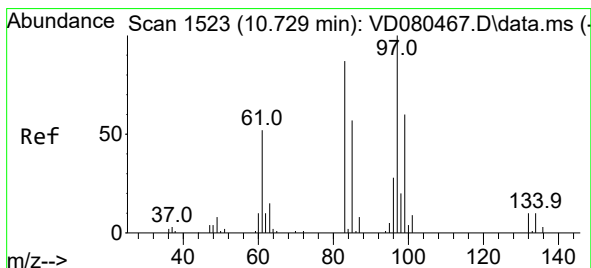
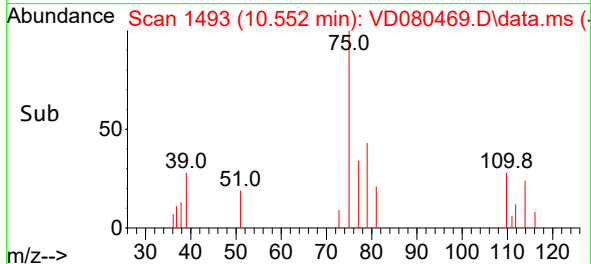
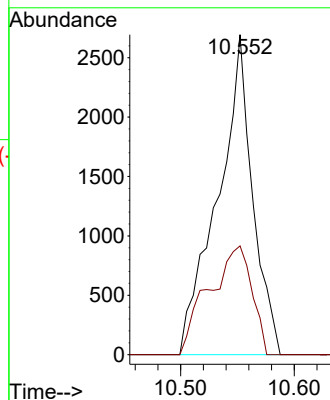
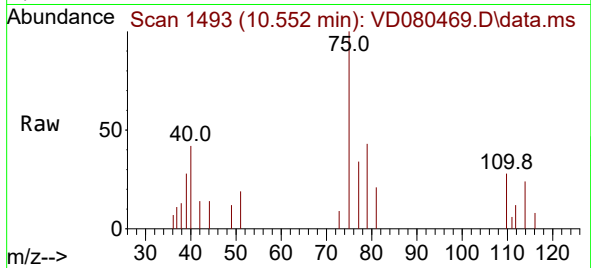




#44
trans-1,3-Dichloropropene
Concen: 1.60 ug/L
RT: 10.552 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

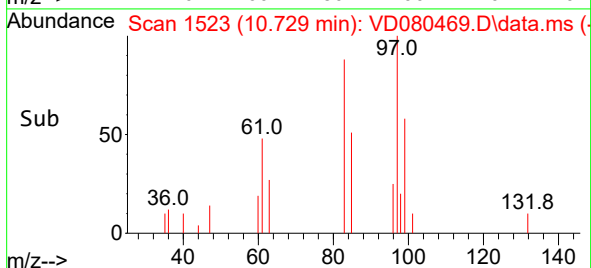
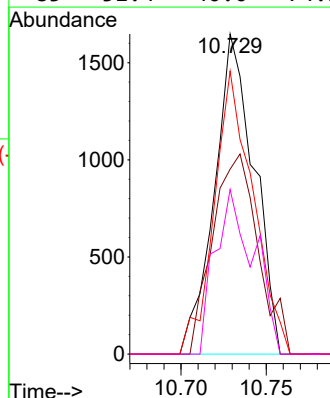
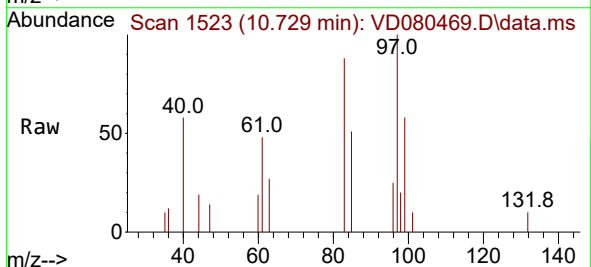
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

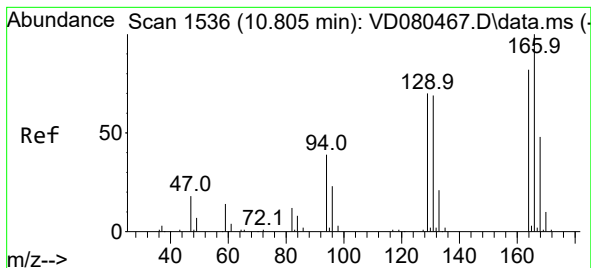
Tgt Ion: 75 Resp: 5738
Ion Ratio Lower Upper
75 100
77 34.0 21.8 40.6



#45
1,1,2-Trichloroethane
Concen: 1.16 ug/L
RT: 10.729 min Scan# 1523
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion: 97 Resp: 2663
Ion Ratio Lower Upper
97 100
99 57.8 46.5 86.3
83 88.4 58.5 108.7
85 51.4 40.0 74.2





#46

Tetrachloroethene

Concen: 1.38 ug/L

RT: 10.805 min Scan# 1536

Delta R.T. -0.000 min

Lab File: VD080469.D

Acq: 23 Jun 2025 10:43

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2025-04

Tgt Ion:164 Resp: 3602

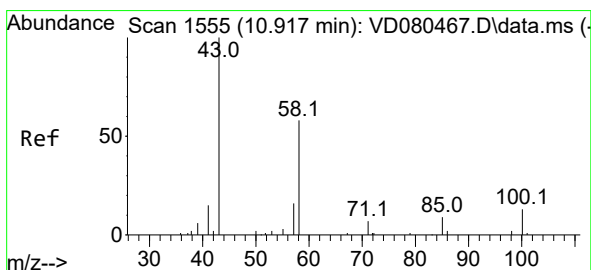
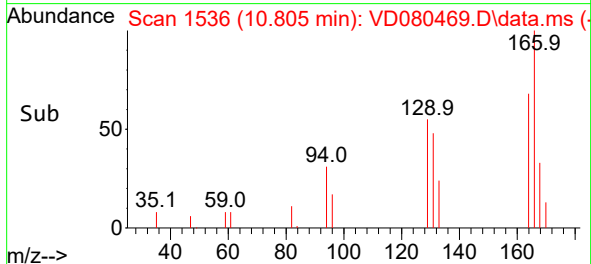
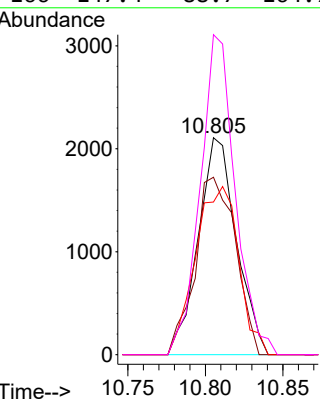
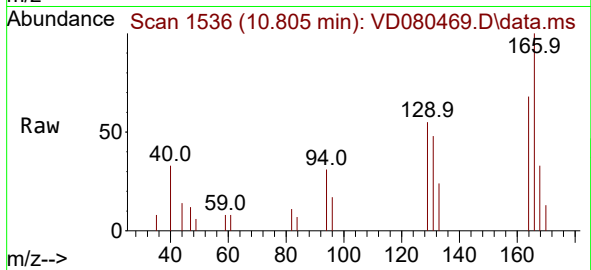
Ion Ratio Lower Upper

164 100

129 81.8 59.7 110.9

131 70.3 58.7 109.1

166 147.4 88.7 164.7



#48

2-Hexanone

Concen: 2.20 ug/L

RT: 10.917 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD080469.D

Acq: 23 Jun 2025 10:43

Tgt Ion: 43 Resp: 2323

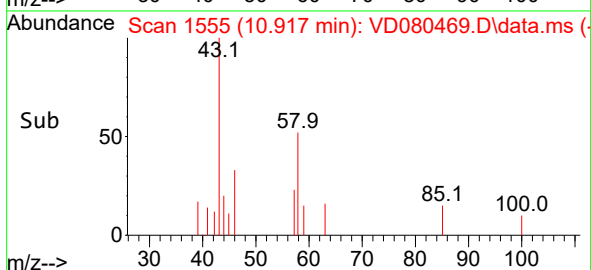
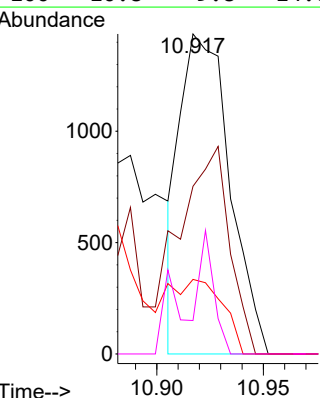
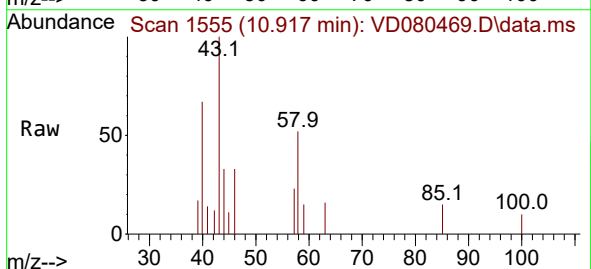
Ion Ratio Lower Upper

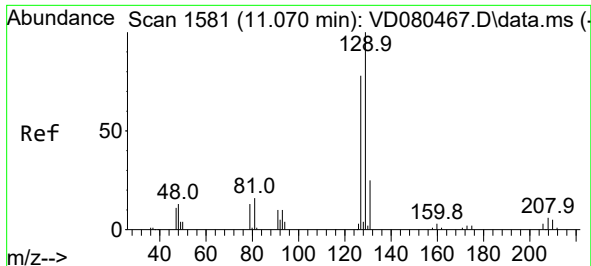
43 100

58 64.4 43.8 65.6

57 25.4 15.6 23.4#

100 10.8 9.8 14.6

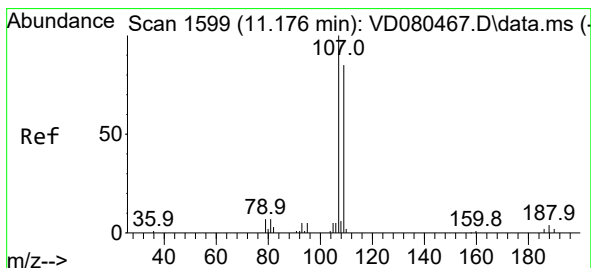
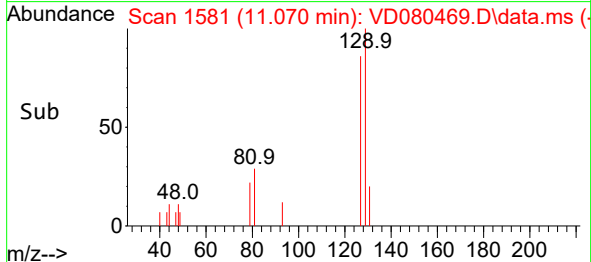
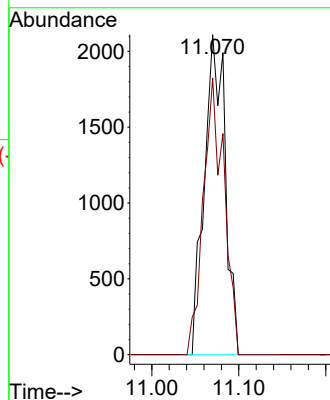
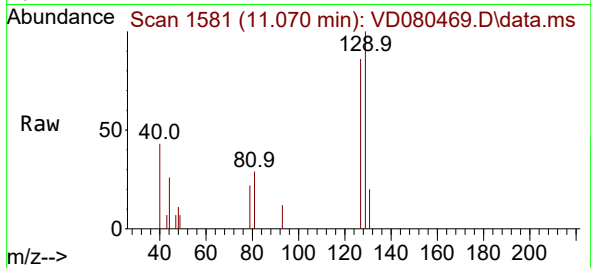




#49
Dibromochloromethane
Concen: 1.25 ug/L m
RT: 11.070 min Scan# 1581
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

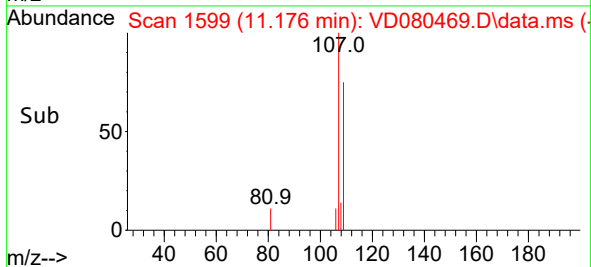
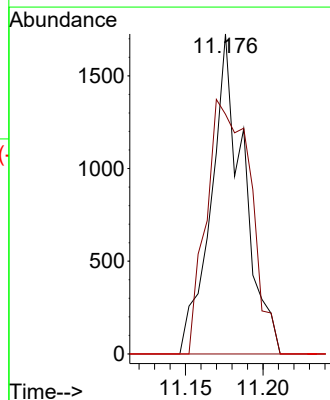
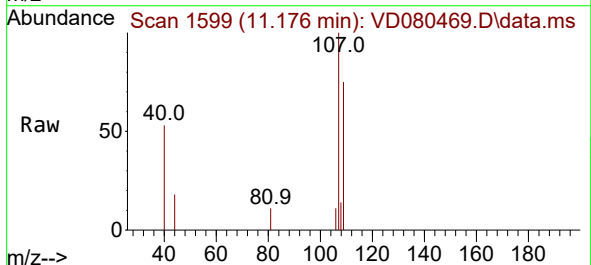
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

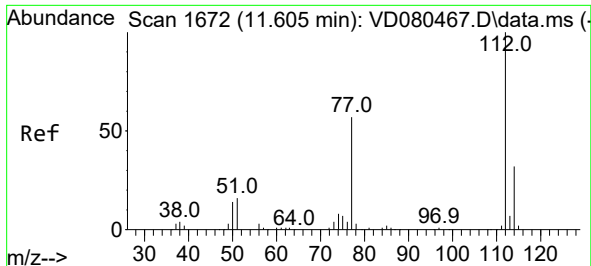
Tgt Ion:129 Resp: 3508
Ion Ratio Lower Upper
129 100
127 86.5 54.1 100.5



#50
1,2-Dibromoethane
Concen: 1.14 ug/L
RT: 11.176 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion:107 Resp: 2517
Ion Ratio Lower Upper
107 100
109 74.9 69.8 129.6
188 0.0 2.9 4.3#

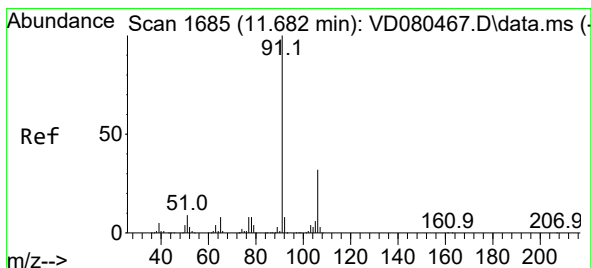
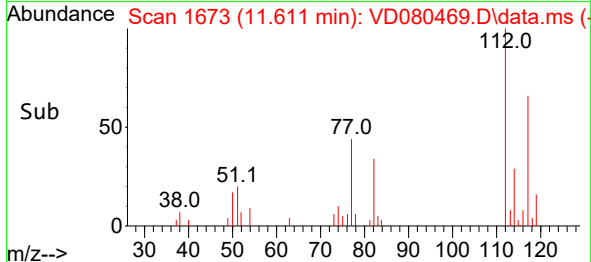
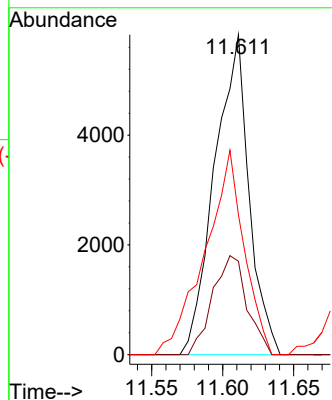
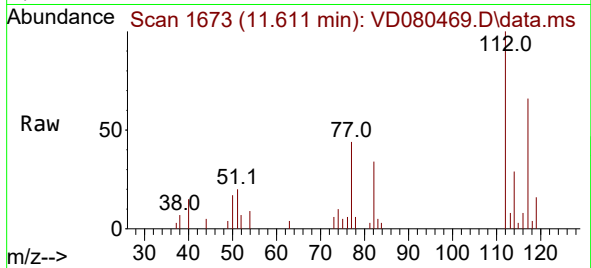




#51
Chlorobenzene
Concen: 1.27 ug/L
RT: 11.611 min Scan# 1673
Delta R.T. 0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

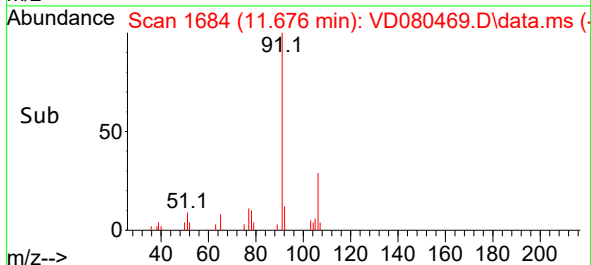
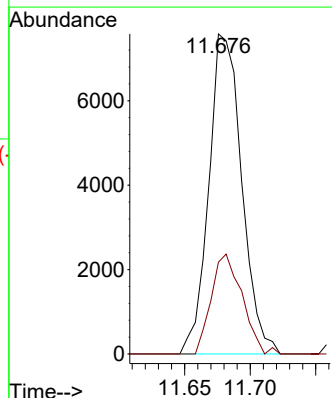
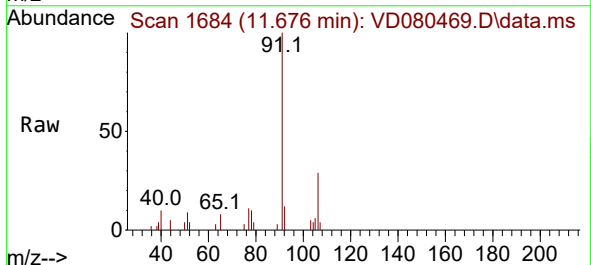
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

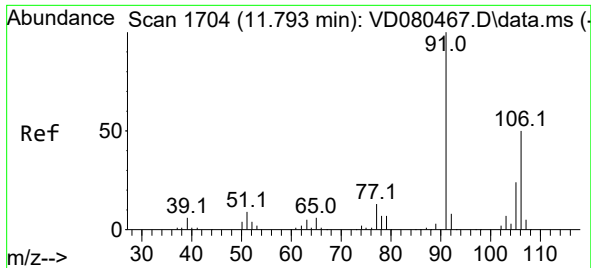
Tgt Ion:112 Resp: 9803
Ion Ratio Lower Upper
112 100
114 29.2 22.3 41.3
77 43.7 44.2 66.4#



#52
Ethylbenzene
Concen: 1.09 ug/L
RT: 11.676 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion: 91 Resp: 13244
Ion Ratio Lower Upper
91 100
106 28.7 22.1 41.1

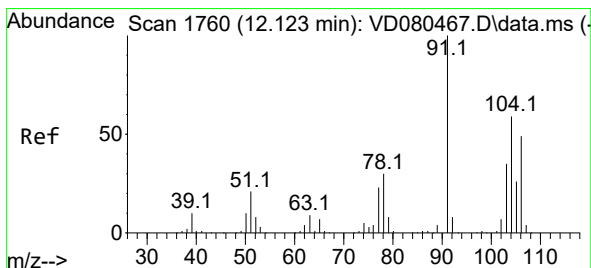
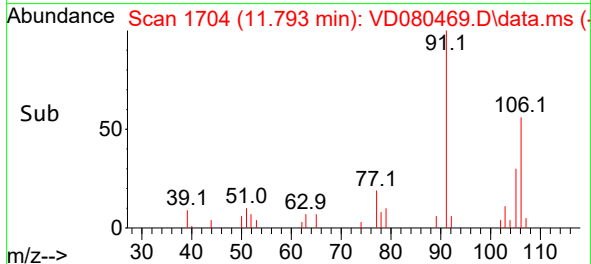
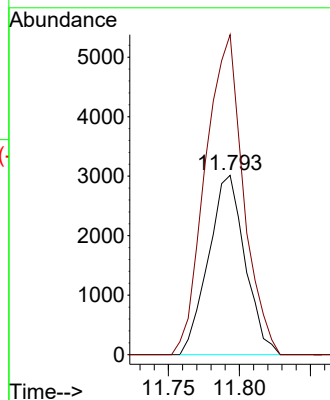
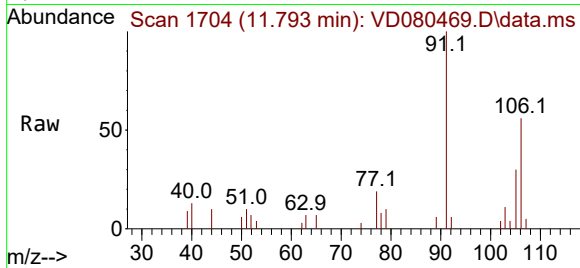




#53
m,p-Xylene
Concen: 1.13 ug/L
RT: 11.793 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

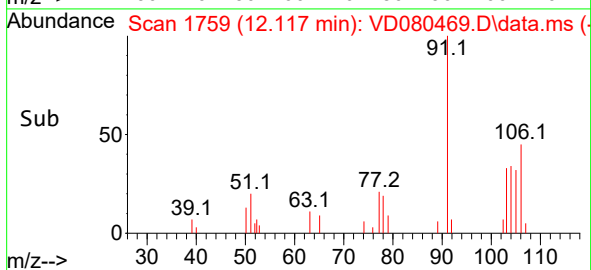
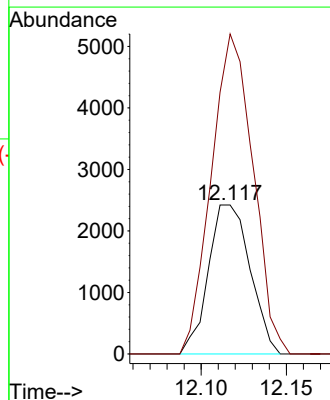
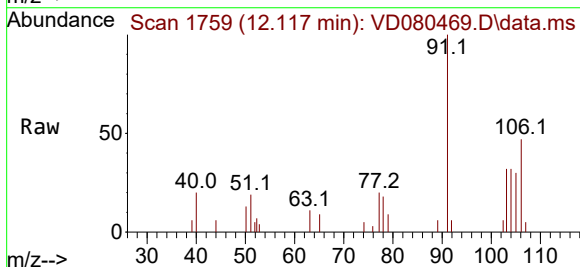
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

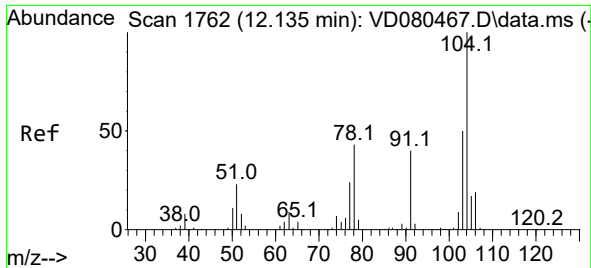
Tgt Ion:106 Resp: 5401
Ion Ratio Lower Upper
106 100
91 178.4 134.1 249.1



#54
o-Xylene
Concen: 0.92 ug/L
RT: 12.117 min Scan# 1759
Delta R.T. -0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion:106 Resp: 4135
Ion Ratio Lower Upper
106 100
91 214.8 148.3 275.3

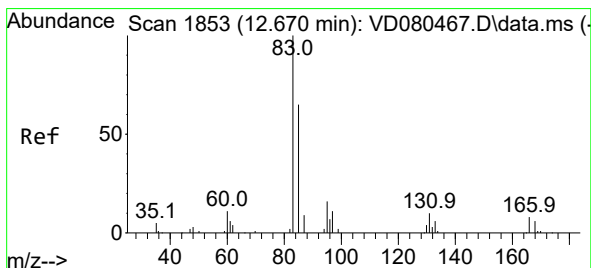
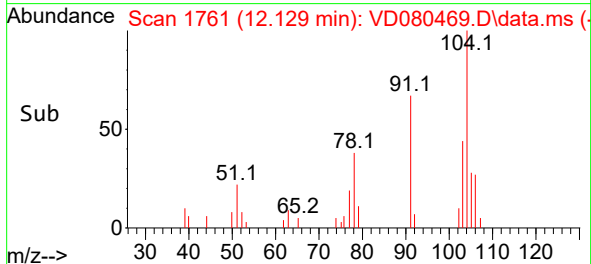
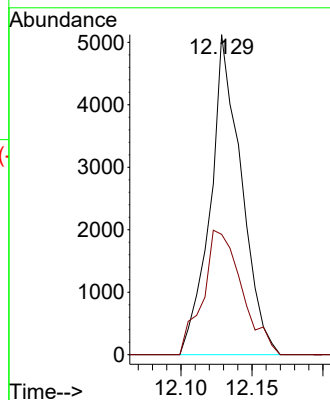
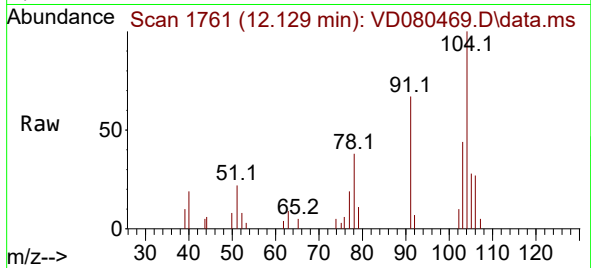




#55
Styrene
Concen: 0.98 ug/L
RT: 12.129 min Scan# 1761
Delta R.T. -0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

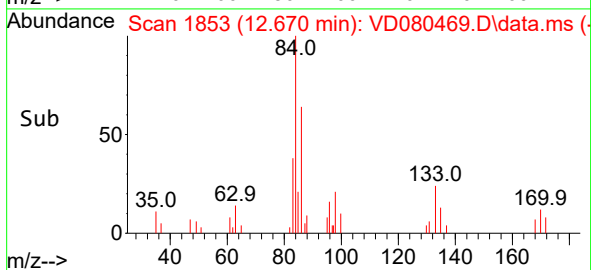
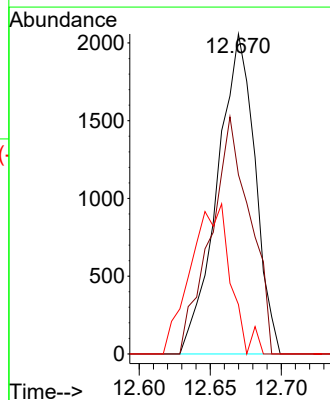
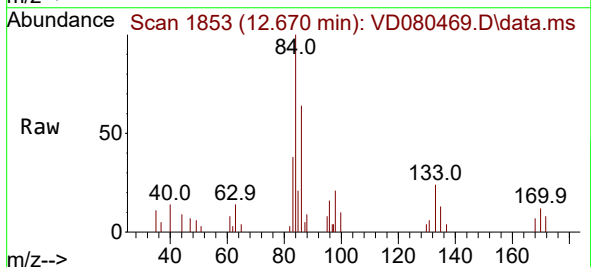
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

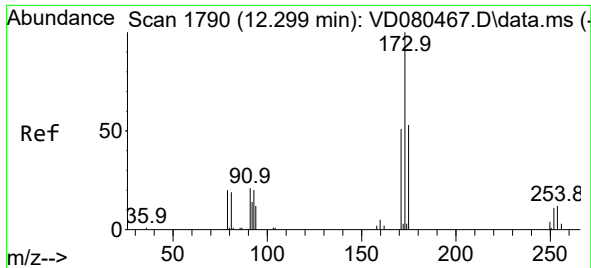
Tgt Ion:104 Resp: 7774
Ion Ratio Lower Upper
104 100
78 37.6 30.0 55.8



#57
1,1,2,2-Tetrachloroethane
Concen: 1.36 ug/L
RT: 12.670 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion: 83 Resp: 3801
Ion Ratio Lower Upper
83 100
85 56.0 42.8 79.6
131 15.5 7.8 11.8#

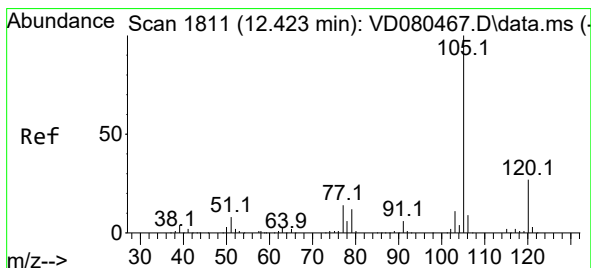
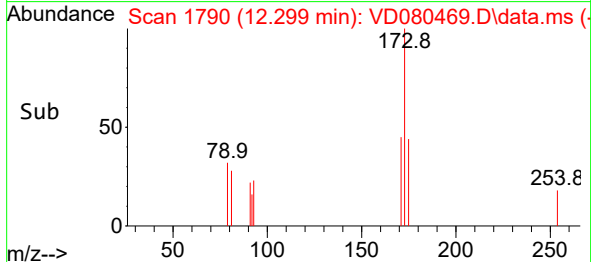
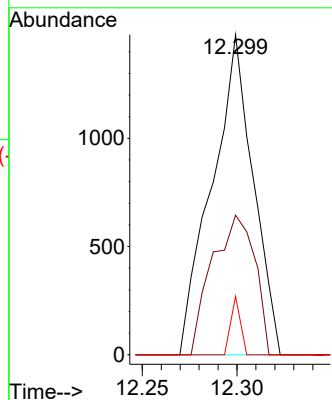
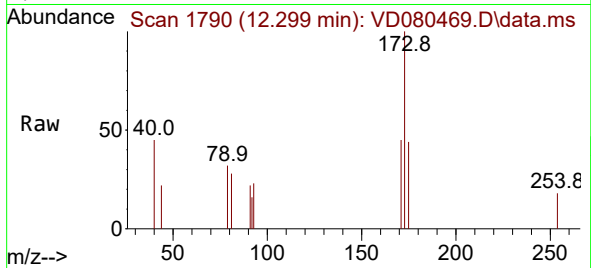




#59
Bromoform
Concen: 1.28 ug/L
RT: 12.299 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

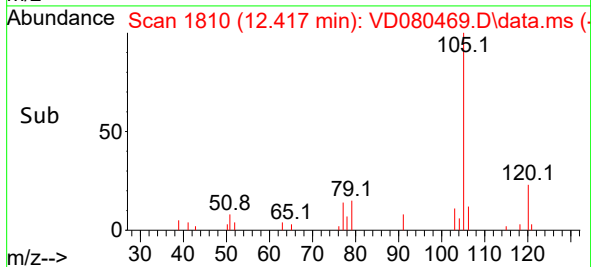
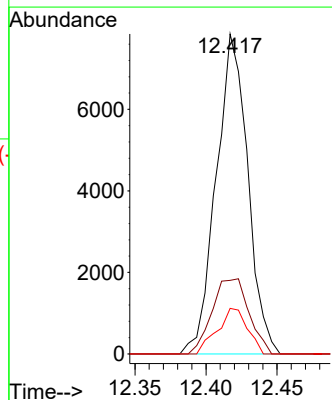
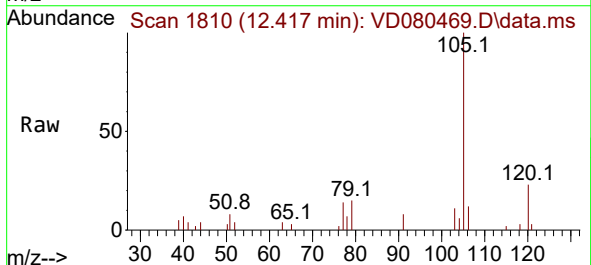
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

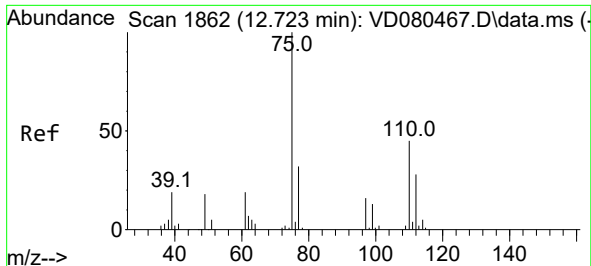
Tgt Ion:173 Resp: 2233
Ion Ratio Lower Upper
173 100
175 45.2 38.2 57.4
254 0.0 9.0 13.4#



#60
Isopropylbenzene
Concen: 1.15 ug/L
RT: 12.417 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion:105 Resp: 12150
Ion Ratio Lower Upper
105 100
120 27.4 22.1 33.1
77 13.6 12.1 18.1

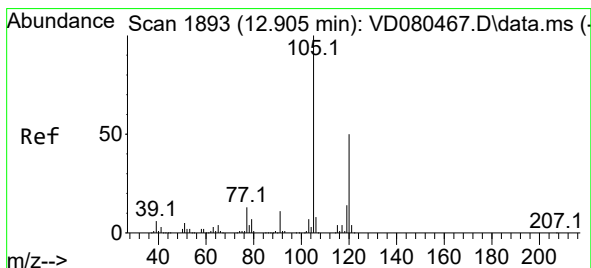
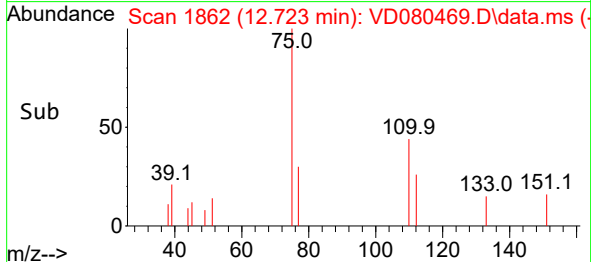
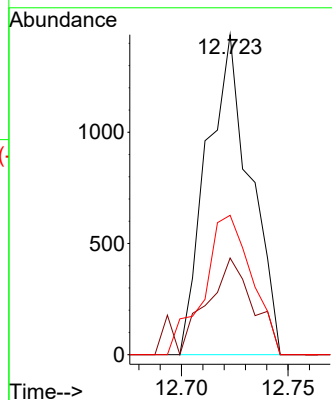
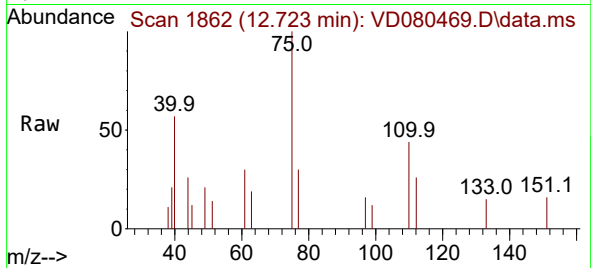




#61
1,2,3-Trichloropropane
Concen: 1.23 ug/L
RT: 12.723 min Scan# 1862
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

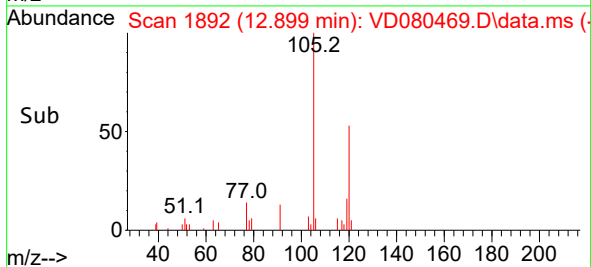
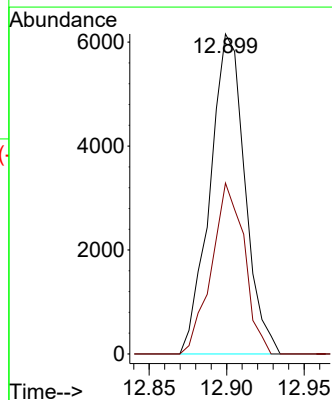
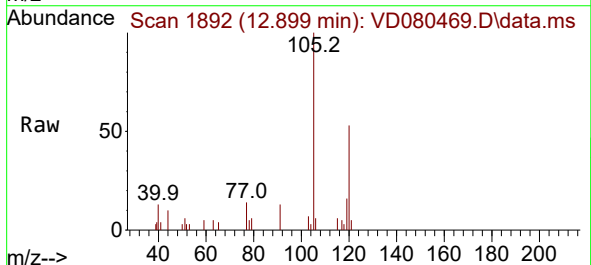
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

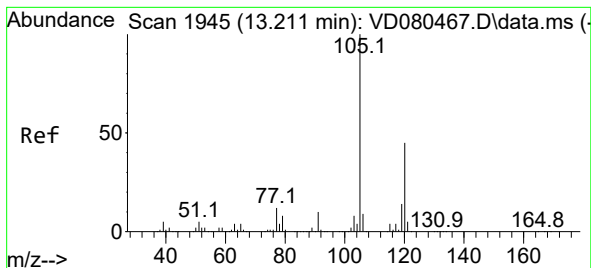
Tgt Ion: 75 Resp: 2046
Ion Ratio Lower Upper
75 100
77 31.6 26.8 40.2
110 48.0 33.0 49.4



#62
1,3,5-Trimethylbenzene
Concen: 1.19 ug/L
RT: 12.899 min Scan# 1892
Delta R.T. -0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion: 105 Resp: 9644
Ion Ratio Lower Upper
105 100
120 50.1 40.1 60.1





#63

1,2,4-Trimethylbenzene

Concen: 1.13 ug/L

RT: 13.211 min Scan# 1945

Delta R.T. -0.000 min

Lab File: VD080469.D

Acq: 23 Jun 2025 10:43

Instrument :

MSVOA_D

ClientSampleId :

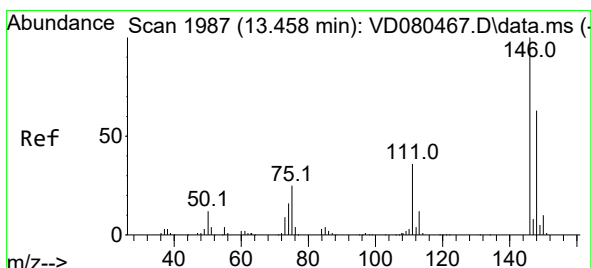
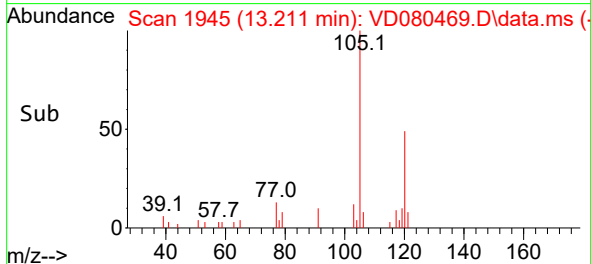
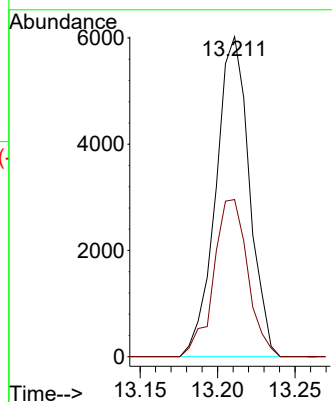
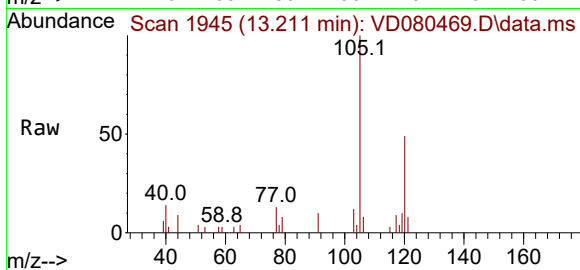
MDL-SOIL-QT2-2025-04

Tgt Ion:105 Resp: 9056

Ion Ratio Lower Upper

105 100

120 50.1 37.5 56.3



#64

1,3-Dichlorobenzene

Concen: 1.25 ug/L

RT: 13.452 min Scan# 1986

Delta R.T. -0.006 min

Lab File: VD080469.D

Acq: 23 Jun 2025 10:43

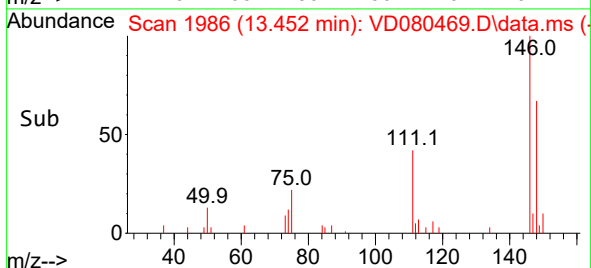
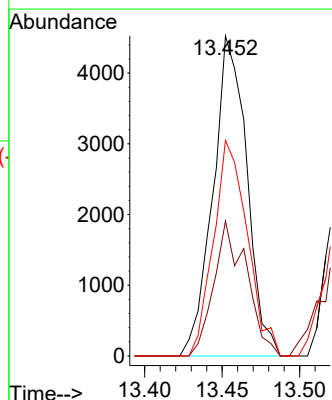
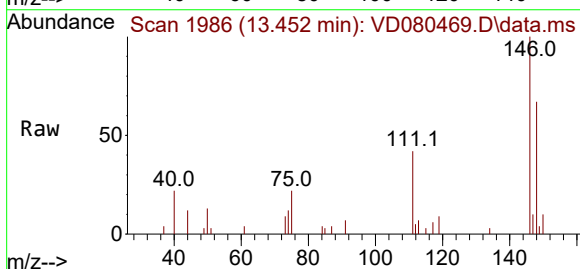
Tgt Ion:146 Resp: 6869

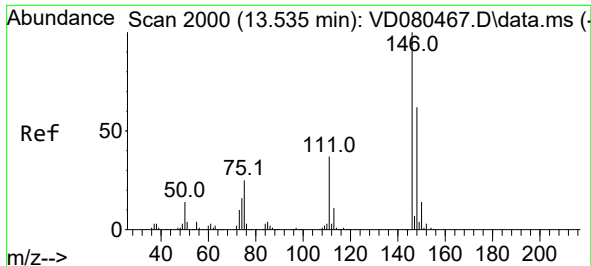
Ion Ratio Lower Upper

146 100

111 42.2 25.4 47.2

148 67.4 42.8 79.6

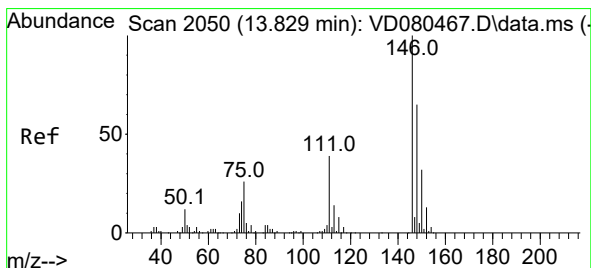
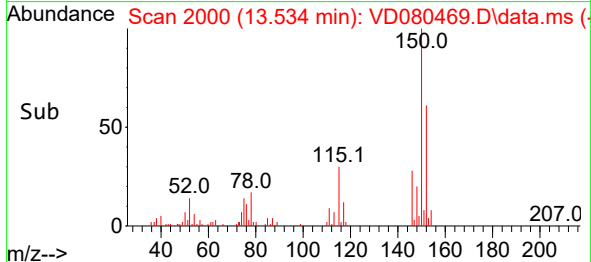
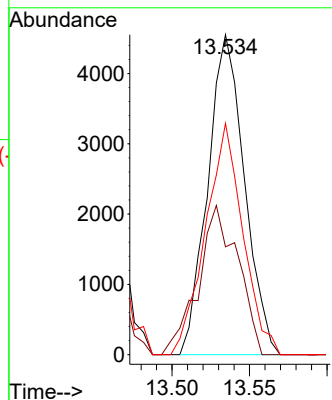
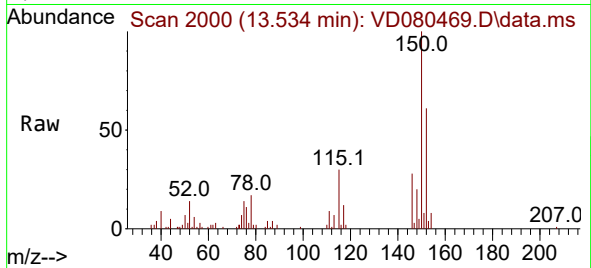




#65
1,4-Dichlorobenzene
Concen: 1.31 ug/L
RT: 13.534 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

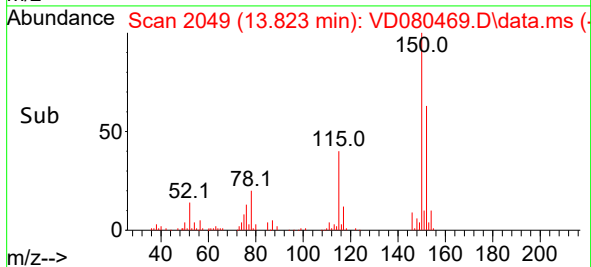
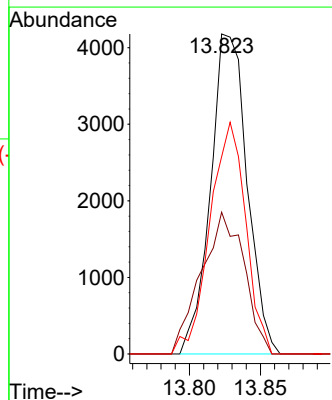
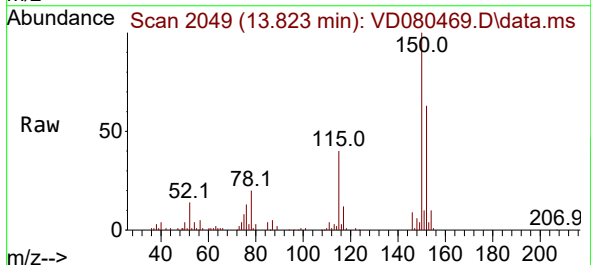
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

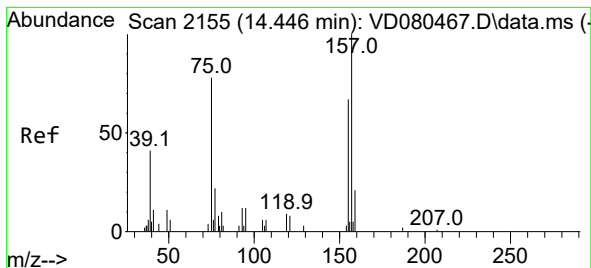
Tgt Ion:146 Resp: 7495
Ion Ratio Lower Upper
146 100
111 33.7 24.5 45.5
148 72.3 44.6 82.8



#67
1,2-Dichlorobenzene
Concen: 1.51 ug/L
RT: 13.823 min Scan# 2049
Delta R.T. -0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

Tgt Ion:146 Resp: 7505
Ion Ratio Lower Upper
146 100
111 44.3 32.0 48.0
148 61.6 49.7 74.5





#68

1,2-Dibromo-3-chloropropane

Concen: 0.97 ug/L m

RT: 14.440 min Scan# 2155

Delta R.T. -0.006 min

Lab File: VD080469.D

Acq: 23 Jun 2025 10:43

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2025-04

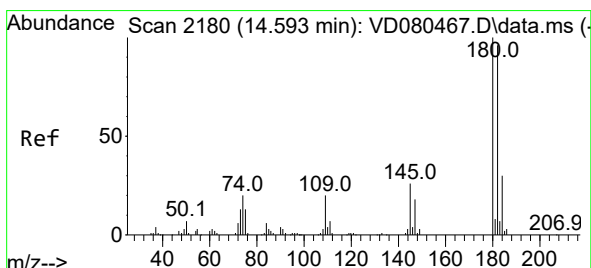
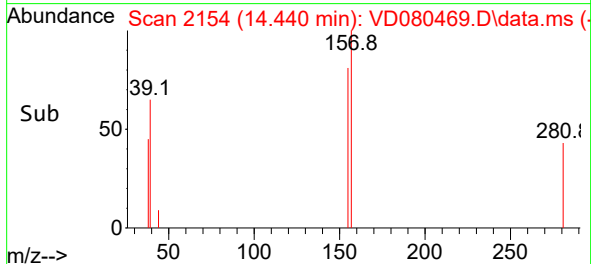
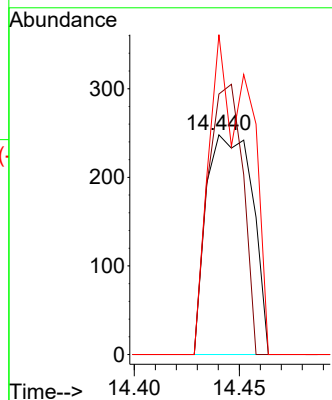
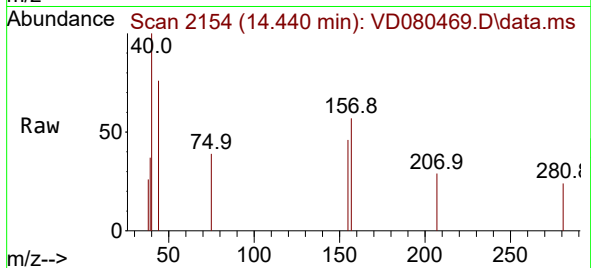
Tgt Ion: 75 Resp: 378

Ion Ratio Lower Upper

75 100

155 118.5 86.2 129.2

157 145.6 94.0 141.0#



#69

1,3,5-Trichlorobenzene

Concen: 1.38 ug/L

RT: 14.593 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VD080469.D

Acq: 23 Jun 2025 10:43

Tgt Ion: 180 Resp: 5253

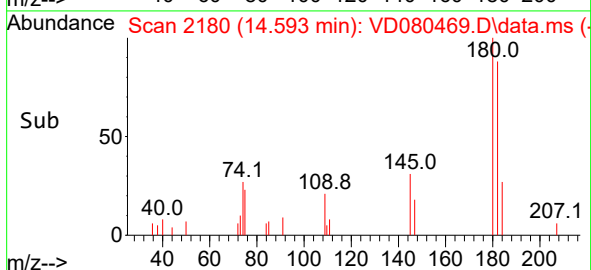
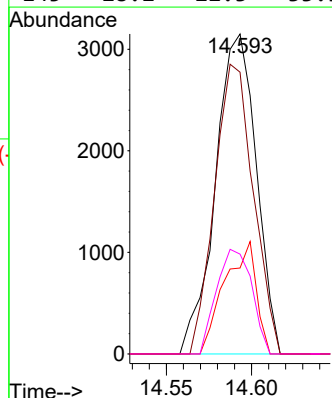
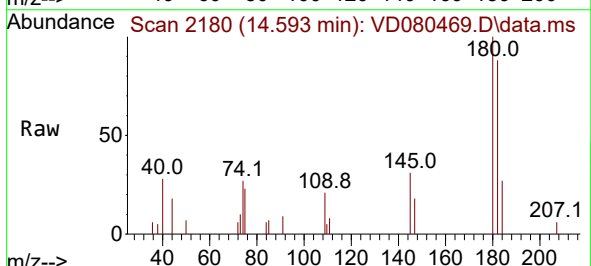
Ion Ratio Lower Upper

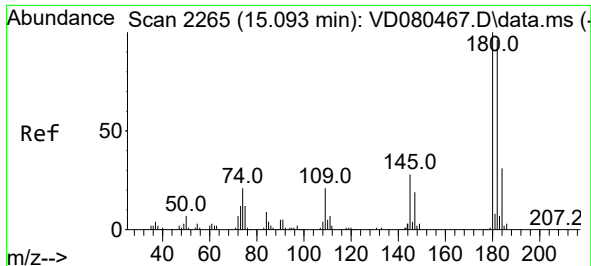
180 100

182 85.9 77.0 115.4

184 27.2 24.9 37.3

145 28.2 22.3 33.5

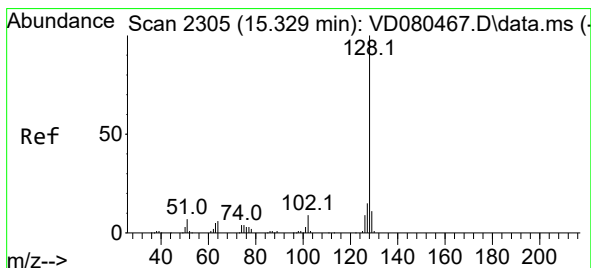
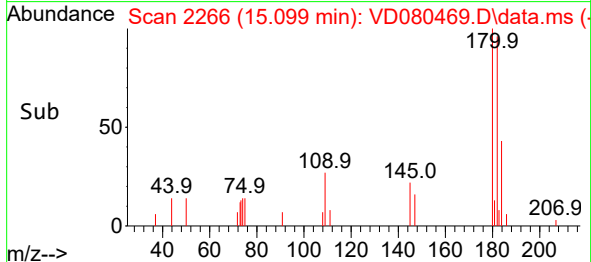
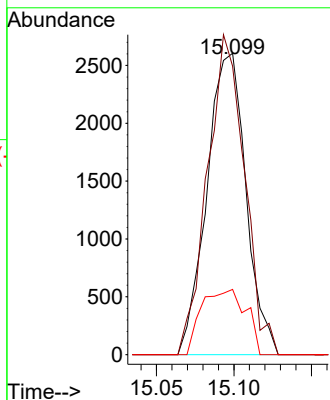
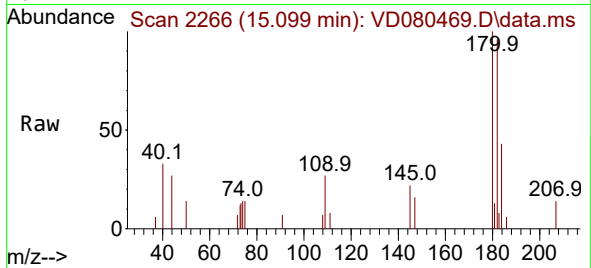




#70
1,2,4-trichlorobenzene
Concen: 1.46 ug/L
RT: 15.099 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

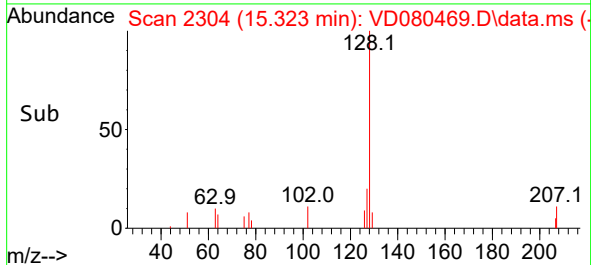
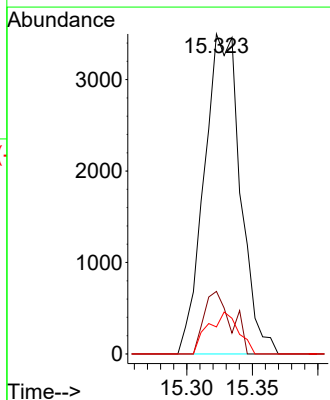
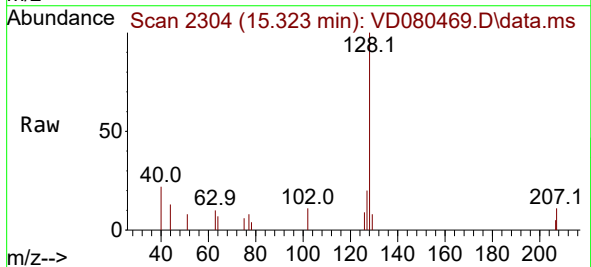
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2025-04

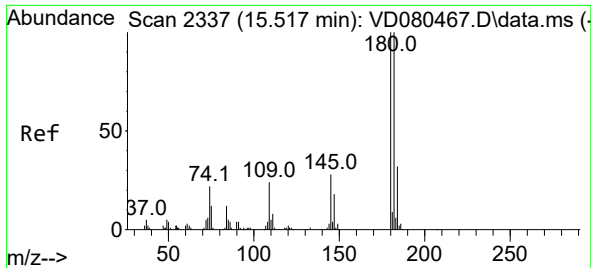
Tgt Ion:180 Resp: 4568
Ion Ratio Lower Upper
180 100
182 100.6 76.0 114.0
145 0.0 22.2 33.4#



#71
Naphthalene
Concen: 1.19 ug/L
RT: 15.323 min Scan# 2304
Delta R.T. -0.006 min
Lab File: VD080469.D
Acq: 23 Jun 2025 10:43

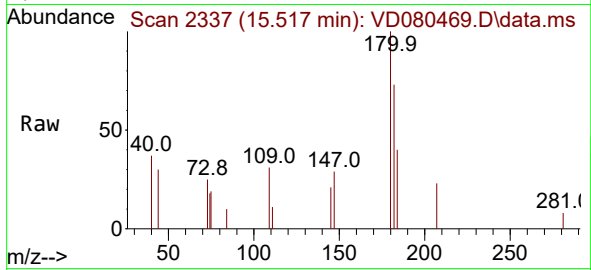
Tgt Ion:128 Resp: 6719
Ion Ratio Lower Upper
128 100
127 12.3 11.0 16.6
129 10.9 9.0 13.4





#72
 1,2,3-Trichlorobenzene
 Concen: 1.27 ug/L
 RT: 15.517 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD080469.D
 Acq: 23 Jun 2025 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2025-04



Tgt Ion:180 Resp: 3720
 Ion Ratio Lower Upper
 180 100
 182 0.0 74.7 112.1#
 145 14.3 24.2 36.4#

