

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061125\
 Data File : VU063387.D
 Acq On : 11 Jun 2025 16:49
 Operator : MD/SY
 Sample : Q2117-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH/A
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jun 12 08:35:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 11 13:45:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	137777	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	144940	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	63559	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	50421	48.477	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.960%		
7) Chloroethane-d5	1.901	69	49310	48.718	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.440%		
11) 1,1-Dichloroethene-d2	2.554	63	70124	35.483	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.960%		
21) 2-Butanone-d5	4.615	46	102442	113.504	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	113.500%		
24) Chloroform-d	5.052	84	107690	48.708	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.420%		
26) 1,2-Dichloroethane-d4	5.692	65	69709	51.483	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.960%		
32) Benzene-d6	5.717	84	213777	48.766	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.540%		
36) 1,2-Dichloropropane-d6	6.682	67	74105	49.841	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.680%		
41) Toluene-d8	7.891	98	179182	46.583	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.160%		
43) trans-1,3-Dichloroprop...	8.174	79	27528	46.009	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.020%		
47) 2-Hexanone-d5	8.627	63	55240	100.069	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.070%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	111369	49.044	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.080%		
66) 1,2-Dichlorobenzene-d4	12.187	152	64300	55.292	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2852	2.154	ug/L	95
3) Chloromethane	1.521	50	3812	2.549	ug/L	88
5) Vinyl chloride	1.595	62	4156	2.527	ug/L #	71
6) Bromomethane	1.846	94	2260	2.442	ug/L	96
8) Chloroethane	1.923	64	2596	2.523	ug/L	98
9) Trichlorofluoromethane	2.126	101	4781	2.469	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	3256	2.822	ug/L #	82
12) 1,1-Dichloroethene	2.563	96	2872	2.797	ug/L #	1
13) Acetone	2.624	43	3750	5.483	ug/L	97
14) Carbon disulfide	2.779	76	9124	2.691	ug/L	98
15) Methyl Acetate	2.955	43	3455	2.435	ug/L #	100
17) trans-1,2-Dichloroethene	3.348	96	2493	2.259	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	7099	2.144	ug/L #	93
19) 1,1-Dichloroethane	3.859	63	5158	2.232	ug/L	90
20) cis-1,2-Dichloroethene	4.660	96	2864	2.283	ug/L	89
22) 2-Butanone	4.727	43	2587	2.557	ug/L	75
23) Bromochloromethane	4.965	128	1461	2.179	ug/L #	81
25) Chloroform	5.078	83	5865	2.545	ug/L	91
27) 1,2-Dichloroethane	5.791	62	3819	2.112	ug/L	100

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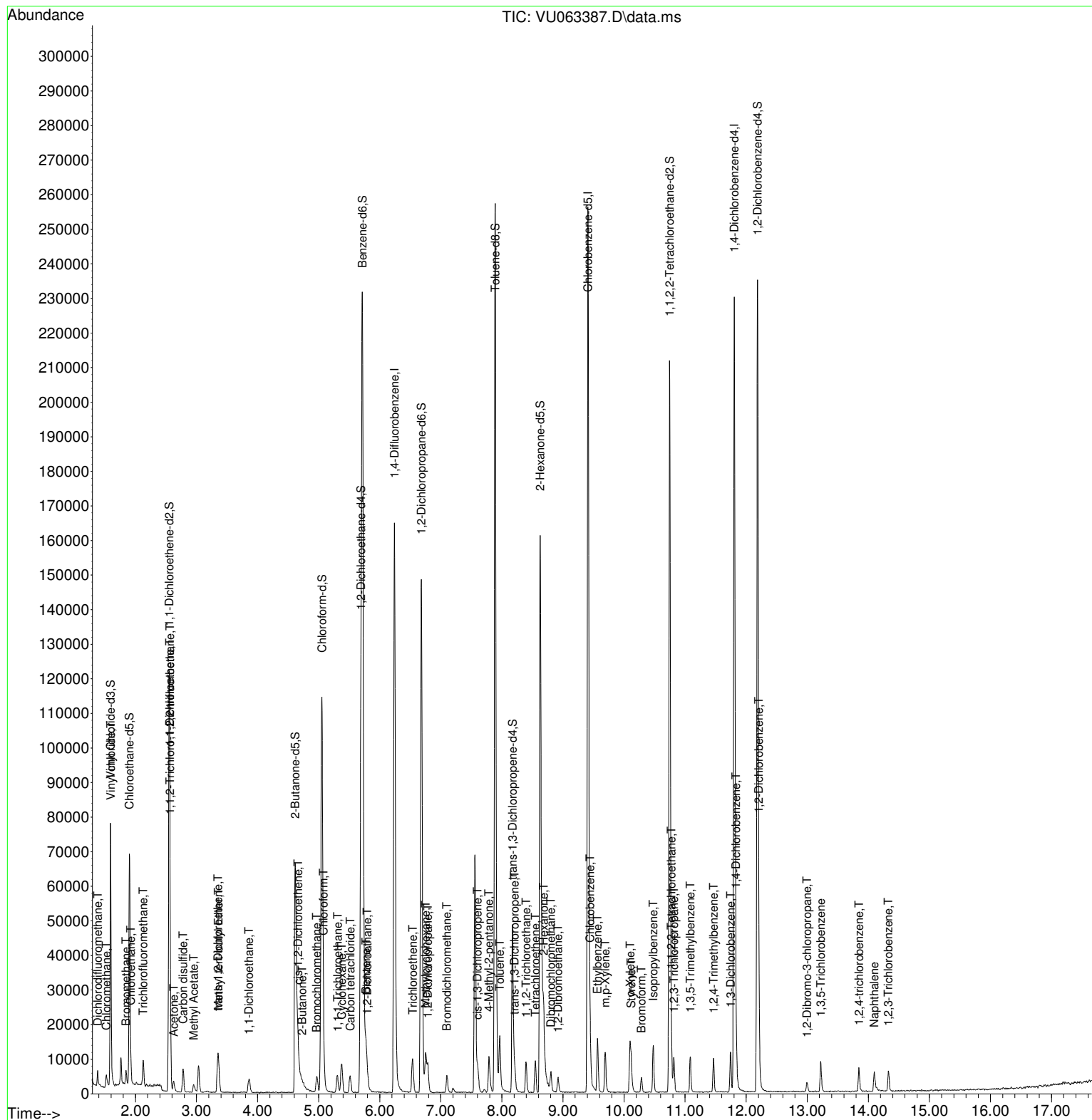
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.377	56	3792	1.971	ug/L	91
30) 1,1,1-Trichloroethane	5.309	97	3976	2.172	ug/L	94
31) Carbon tetrachloride	5.515	117	3345	2.174	ug/L	99
33) Benzene	5.772	78	11081	2.200	ug/L	100
34) Trichloroethene	6.541	95	3034	2.343	ug/L	94
35) Methylcyclohexane	6.753	83	3736	1.951	ug/L	97
37) 1,2-Dichloropropane	6.785	63	3393	2.271	ug/L #	89
38) Bromodichloromethane	7.097	83	3947	2.240	ug/L #	83
39) cis-1,3-Dichloropropene	7.602	75	4003	1.976	ug/L	92
40) 4-Methyl-2-pentanone	7.788	43	8104	4.373	ug/L	94
42) Toluene	7.965	91	11601	2.204	ug/L	96
44) trans-1,3-Dichloropropene	8.206	75	3893	2.054	ug/L	94
45) 1,1,2-Trichloroethane	8.396	97	3076	2.249	ug/L	95
46) Tetrachloroethene	8.550	164	2094	2.188	ug/L	92
48) 2-Hexanone	8.682	43	13430	9.292	ug/L #	87
49) Dibromochloromethane	8.801	129	2739	2.111	ug/L	95
50) 1,2-Dibromoethane	8.920	107	3320	2.376	ug/L #	99
51) Chlorobenzene	9.441	112	8008	2.347	ug/L	93
52) Ethylbenzene	9.566	91	10912	1.980	ug/L	96
53) m,p-Xylene	9.692	106	3697	1.813	ug/L	86
54) o-Xylene	10.097	106	3322	1.709	ug/L	97
55) Styrene	10.116	104	5742	1.720	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.775	83	6120	2.504	ug/L #	95
59) Bromoform	10.283	173	2006	2.379	ug/L #	89
60) 1,2,3-Trichloropropane	10.817	75	4417	2.890	ug/L #	86
61) Isopropylbenzene	10.479	105	9025	2.150	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	5995	1.848	ug/L	92
63) 1,2,4-Trimethylbenzene	11.466	105	5699	1.849	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	5314	2.551	ug/L	94
65) 1,4-Dichlorobenzene	11.830	146	5673	2.649	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	5628	2.676	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.994	75	1073	2.611	ug/L	90
69) 1,3,5-Trichlorobenzene	13.222	180	3467	2.458	ug/L	97
70) 1,2,4-trichlorobenzene	13.849	180	2689	2.455	ug/L #	88
71) Naphthalene	14.097	128	7316	2.477	ug/L #	86
72) 1,2,3-Trichlorobenzene	14.328	180	2351	2.168	ug/L #	84

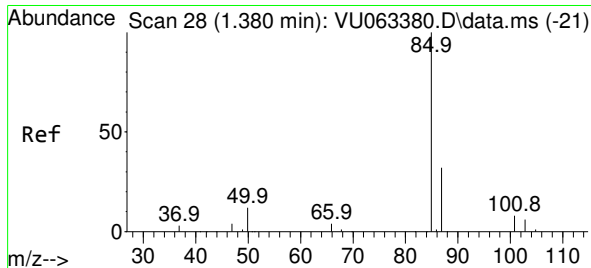
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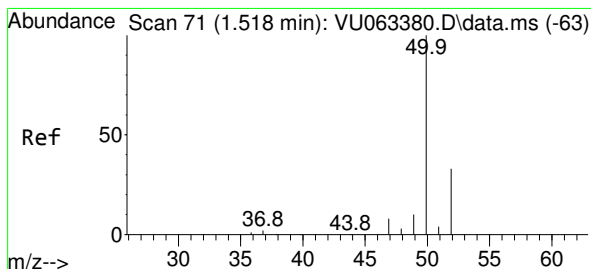
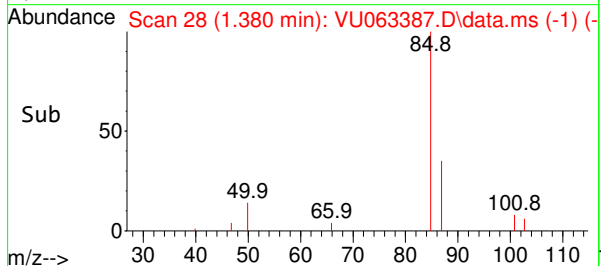
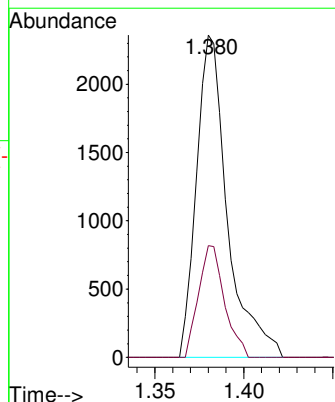
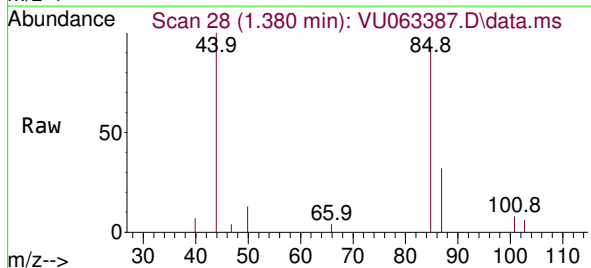




#2
Dichlorodifluoromethane
Concen: 2.154 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

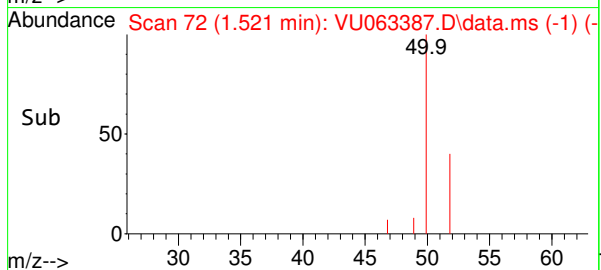
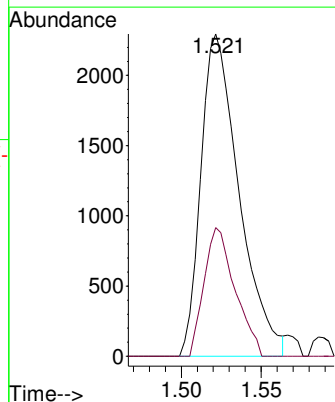
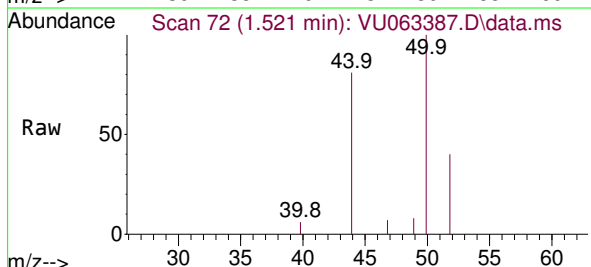
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

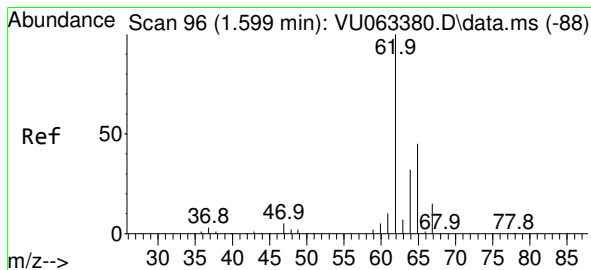
Tgt Ion: 85 Resp: 2852
Ion Ratio Lower Upper
85 100
87 29.1 25.8 38.6



#3
Chloromethane
Concen: 2.549 ug/L
RT: 1.521 min Scan# 72
Delta R.T. 0.003 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

Tgt Ion: 50 Resp: 3812
Ion Ratio Lower Upper
50 100
52 39.9 23.2 43.0





#5

Vinyl chloride

Concen: 2.527 ug/L

RT: 1.595 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU063387.D

Acq: 11 Jun 2025 16:49

Instrument :

MSVOA_U

ClientSampleId :

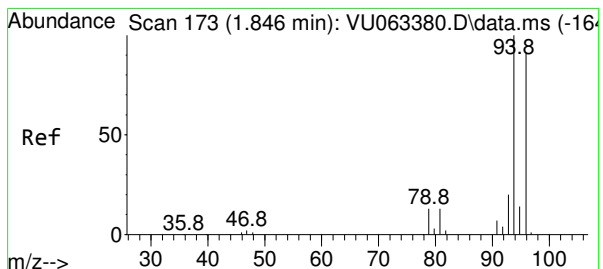
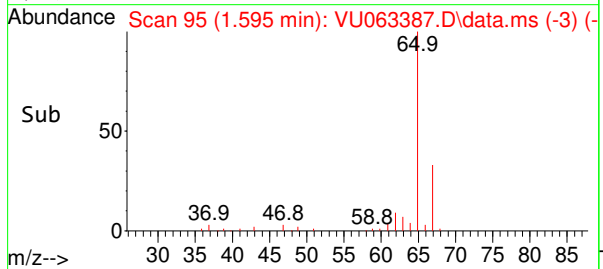
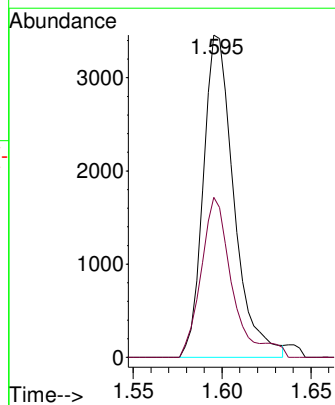
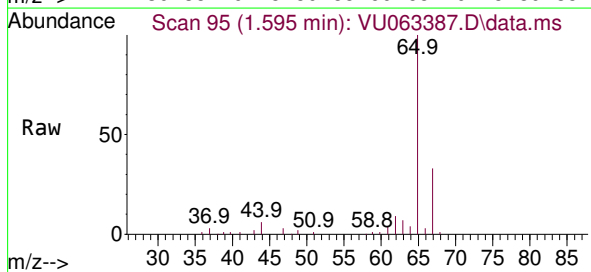
MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 62 Resp: 4156

Ion Ratio Lower Upper

62 100

64 49.7 23.2 43.2#



#6

Bromomethane

Concen: 2.442 ug/L

RT: 1.846 min Scan# 173

Delta R.T. -0.000 min

Lab File: VU063387.D

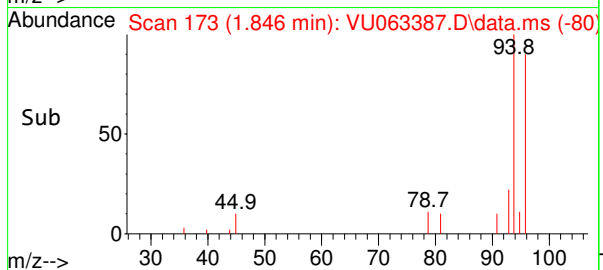
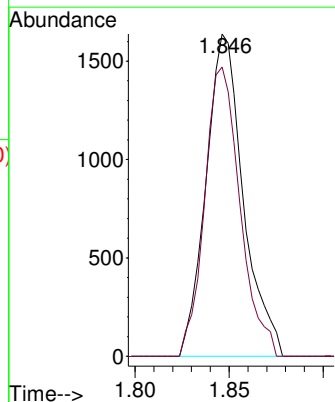
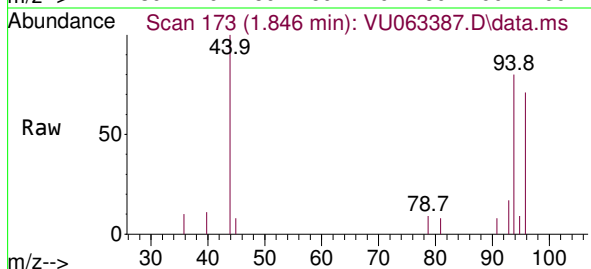
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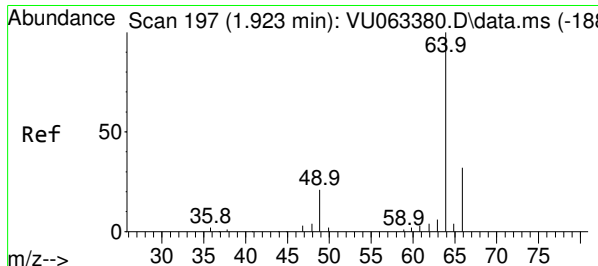
Tgt Ion: 94 Resp: 2260

Ion Ratio Lower Upper

94 100

96 89.7 65.2 121.2

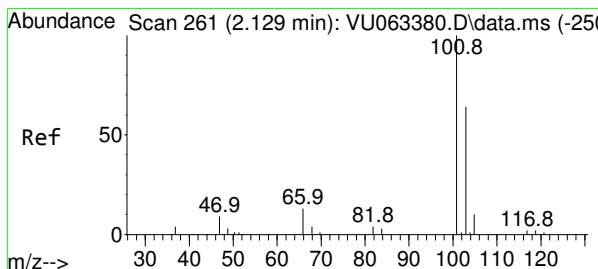
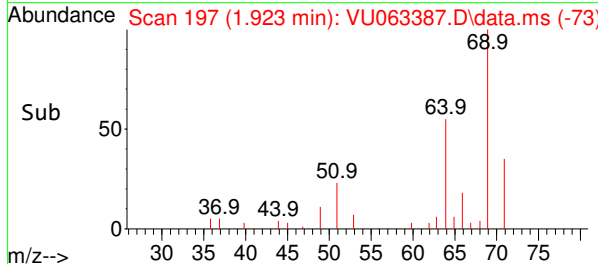
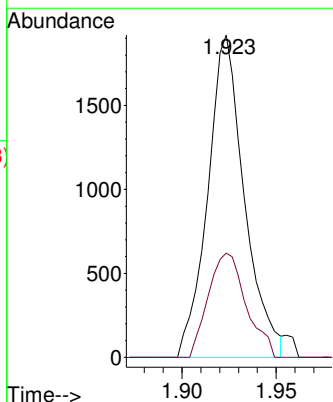
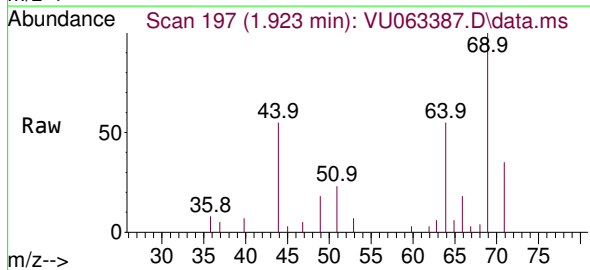




#8
Chloroethane
Concen: 2.523 ug/L
RT: 1.923 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

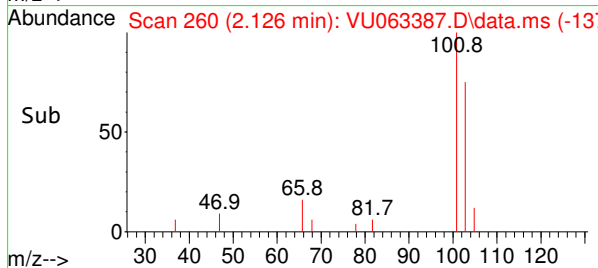
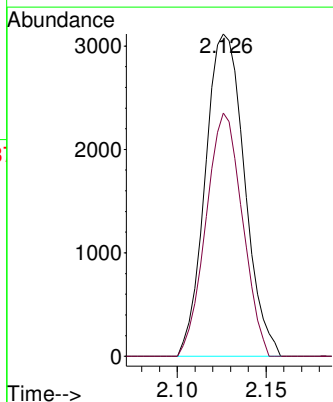
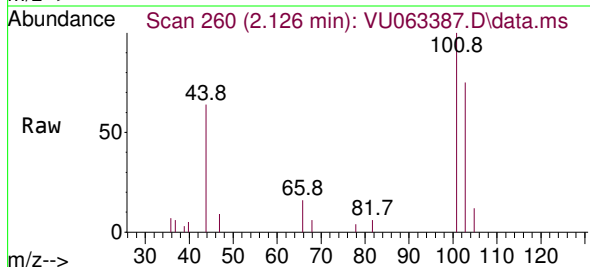
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03

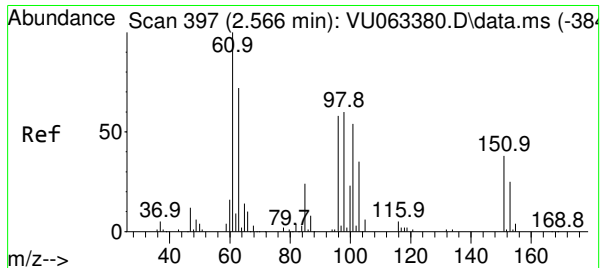
Tgt Ion: 64 Resp: 2596
Ion Ratio Lower Upper
64 100
66 32.4 22.0 41.0



#9
Trichlorofluoromethane
Concen: 2.469 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.003 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

Tgt Ion:101 Resp: 4781
Ion Ratio Lower Upper
101 100
103 70.0 51.2 76.8

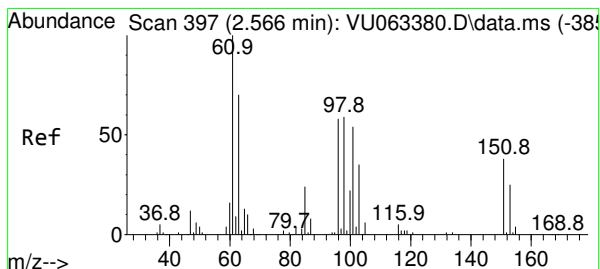
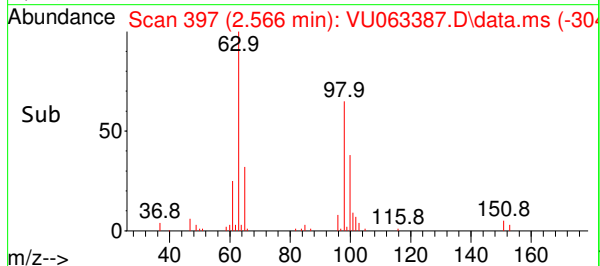
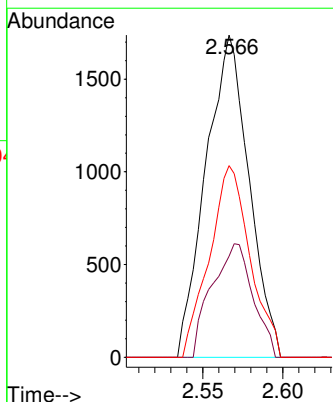
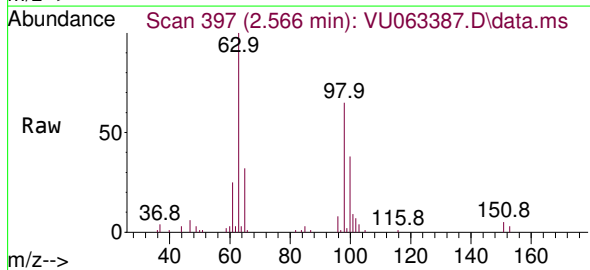




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.822 ug/L
RT: 2.566 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

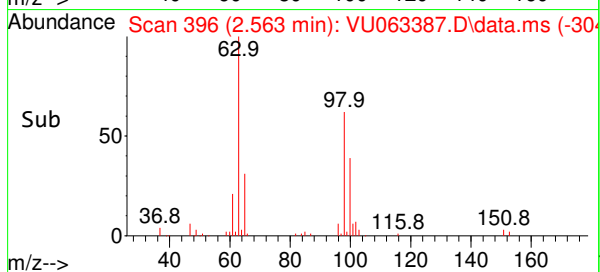
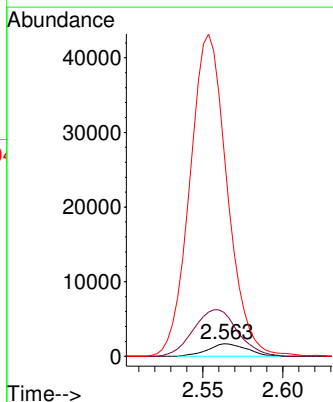
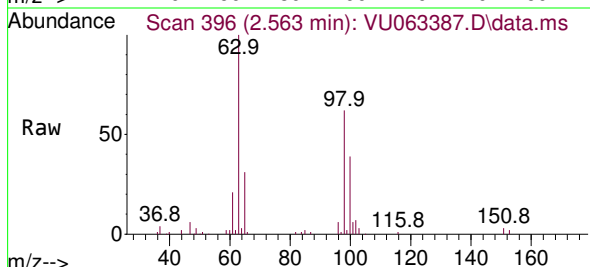
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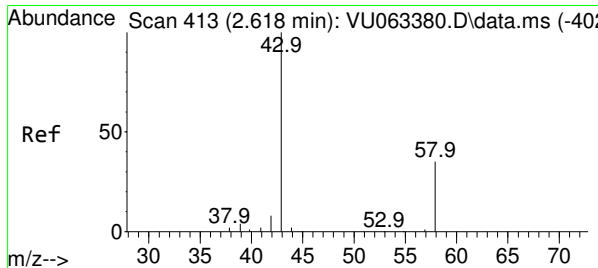
Tgt Ion	Ratio	Lower	Upper
101	100		
85	33.6	36.5	54.7#
151	56.3	57.4	86.0#



#12
1,1-Dichloroethene
Concen: 2.797 ug/L
RT: 2.563 min Scan# 396
Delta R.T. -0.003 min
Lab File: VU063387.D
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Tgt Ion	Ratio	Lower	Upper
96	100		
61	351.8	121.9	226.5#
63	1643.4	93.2	173.0#

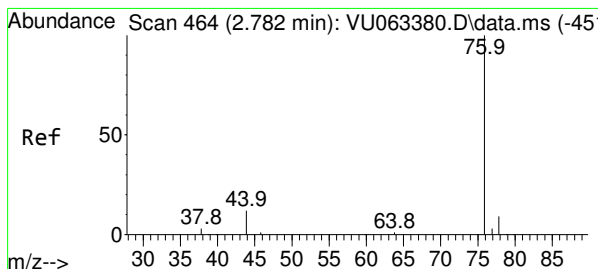
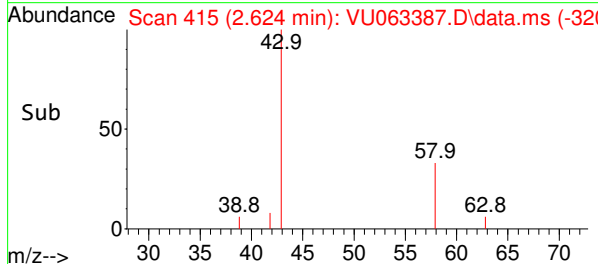
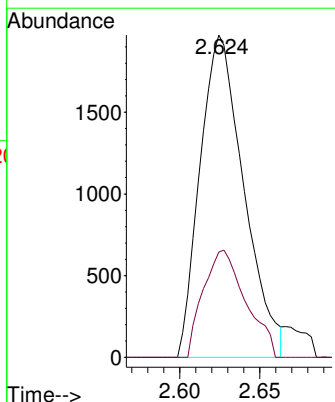
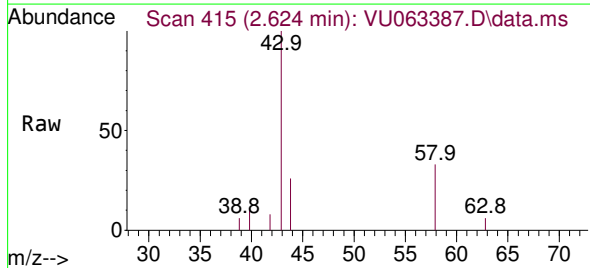




#13
Acetone
Concen: 5.483 ug/L
RT: 2.624 min Scan# 415
Delta R.T. 0.006 min
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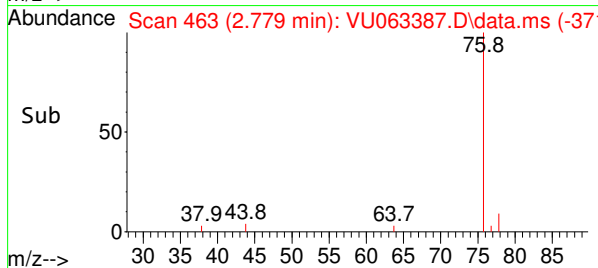
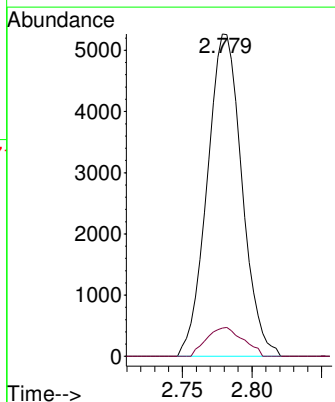
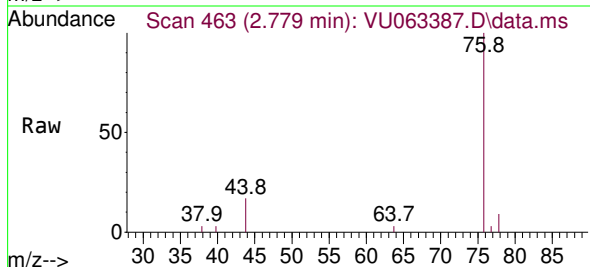
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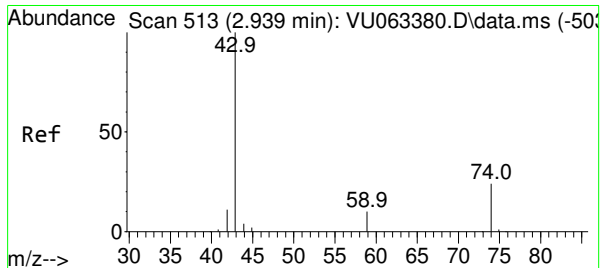
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Ion Ratio Lower Upper
43 100
58 32.4 0.0 68.4



#14
Carbon disulfide
Concen: 2.691 ug/L
RT: 2.779 min Scan# 463
Delta R.T. -0.003 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

Tgt Ion: 76 Resp: 9124
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2

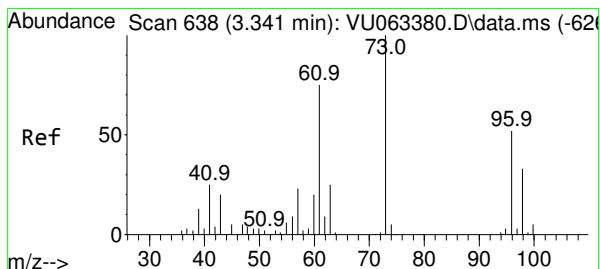
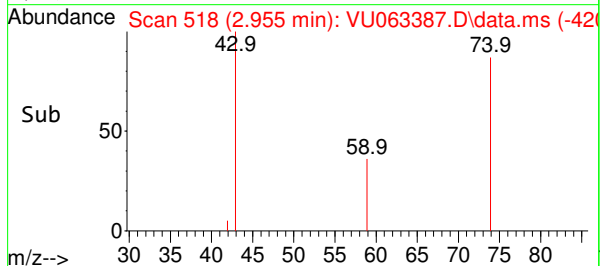
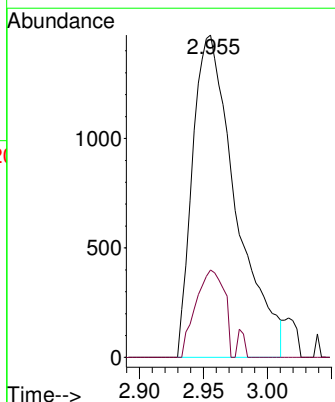
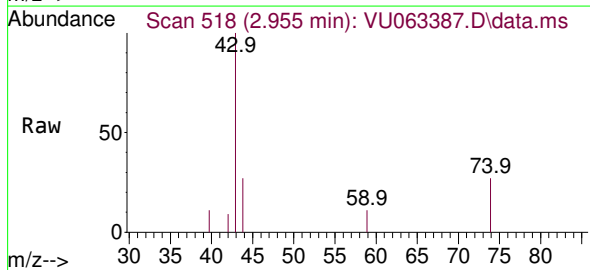




#15
Methyl Acetate
Concen: 2.435 ug/L
RT: 2.955 min Scan# 518
Delta R.T. 0.016 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

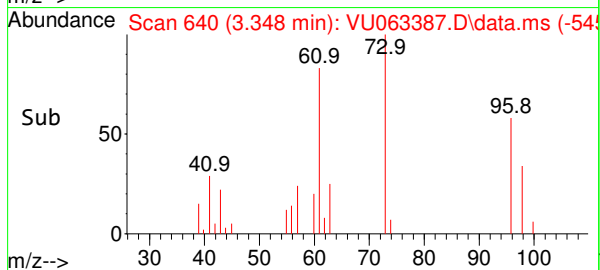
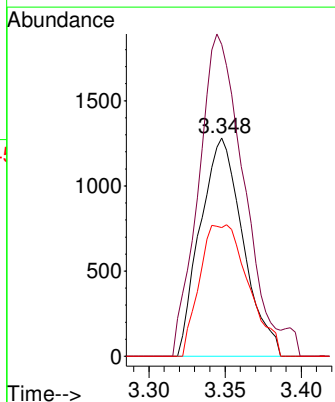
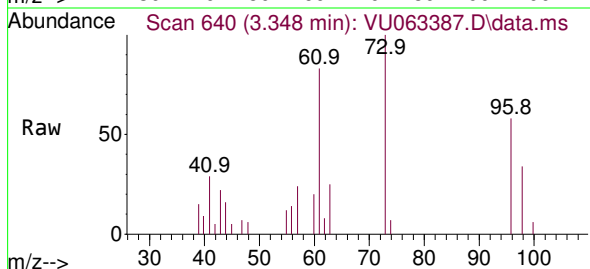
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

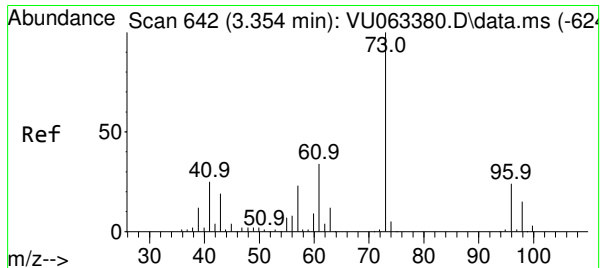
Tgt Ion: 43 Resp: 3455
Ion Ratio Lower Upper
43 100
74 17.9 0.0 0.0#



#17
trans-1,2-Dichloroethene
Concen: 2.259 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.006 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

Tgt Ion: 96 Resp: 2493
Ion Ratio Lower Upper
96 100
61 142.7 100.1 185.9
98 59.0 44.2 82.0

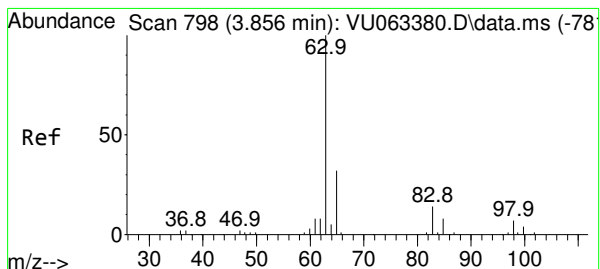
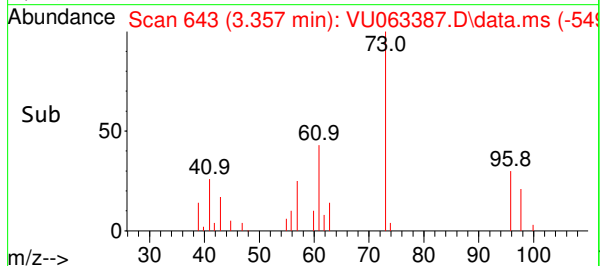
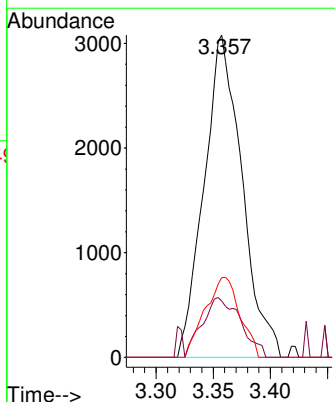
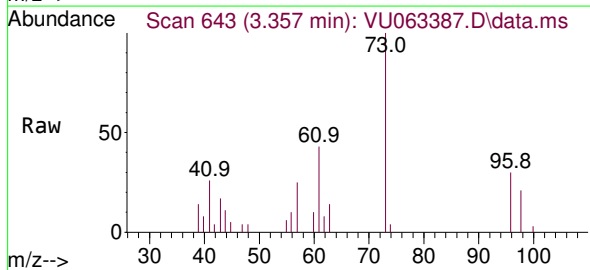




#18
Methyl tert-butyl Ether
Concen: 2.144 ug/L
RT: 3.357 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

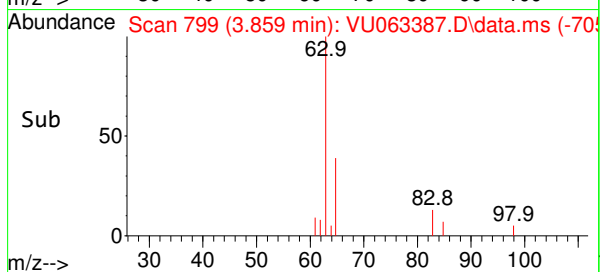
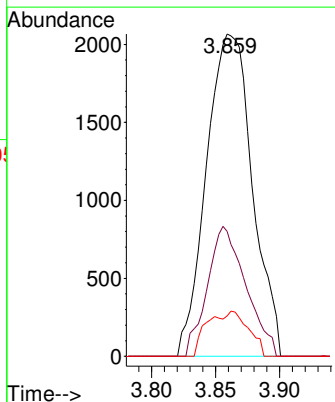
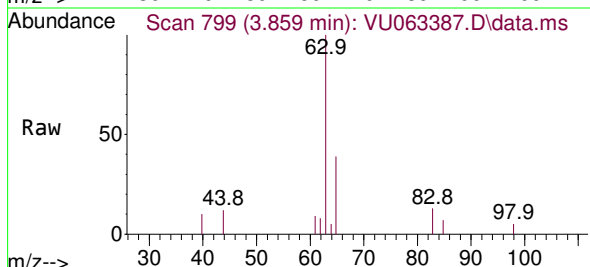
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

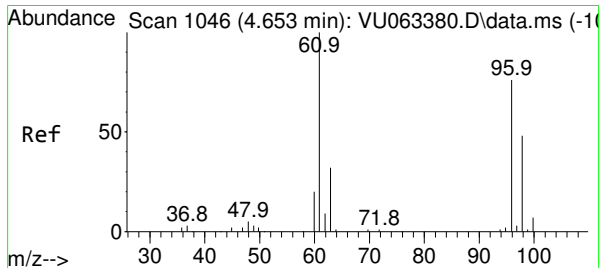
Tgt Ion:	73	Resp:	7099
Ion	Ratio	Lower	Upper
73	100		
43	12.6	15.4	23.2#
57	22.9	18.3	27.5



#19
1,1-Dichloroethane
Concen: 2.232 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.003 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

Tgt Ion:	63	Resp:	5158
Ion	Ratio	Lower	Upper
63	100		
65	38.7	21.9	40.7
83	12.6	9.0	16.6

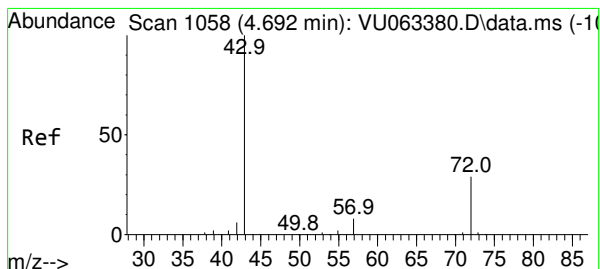
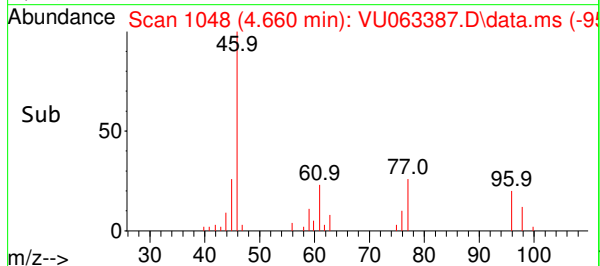
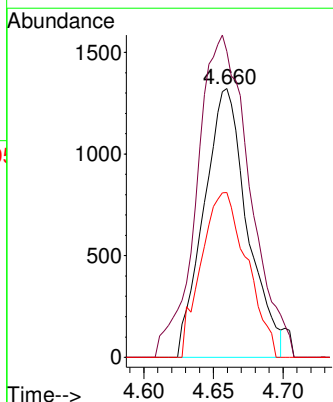
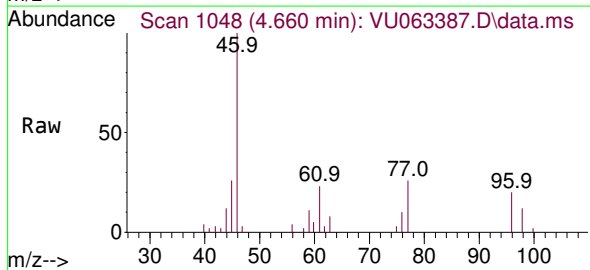




#20
 cis-1,2-Dichloroethene
 Concen: 2.283 ug/L
 RT: 4.660 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: VU063387.D
 Acq: 11 Jun 2025 16:49

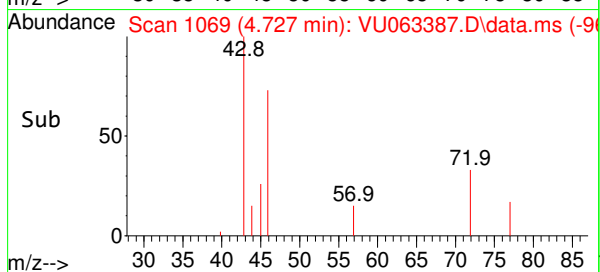
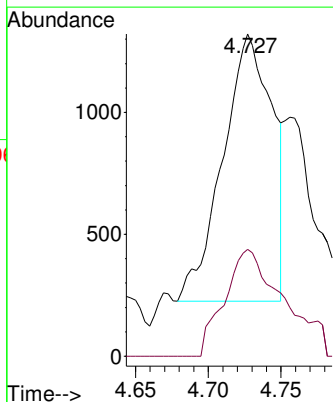
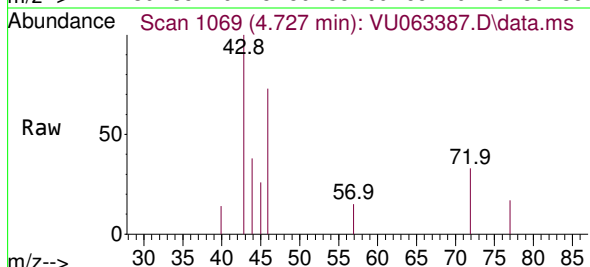
Instrument : MSVOA_U
 ClientSampleId : MDL-MED-SOIL-QT2-2025-03

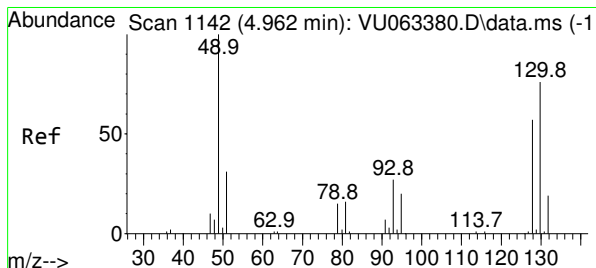
Tgt Ion:	96	Resp:	2864
Ion	Ratio	Lower	Upper
96	100		
61	113.8	91.6	170.0
98	61.2	44.0	81.8



#22
 2-Butanone
 Concen: 2.557 ug/L
 RT: 4.727 min Scan# 1069
 Delta R.T. 0.035 min
 Lab File: VU063387.D
 Acq: 11 Jun 2025 16:49

Tgt Ion:	43	Resp:	2587
Ion	Ratio	Lower	Upper
43	100		
72	44.8	15.4	46.4





#23

Bromochloromethane

Concen: 2.179 ug/L

RT: 4.965 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063387.D

Acq: 11 Jun 2025 16:49

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2025-03

Tgt Ion:128 Resp: 1461

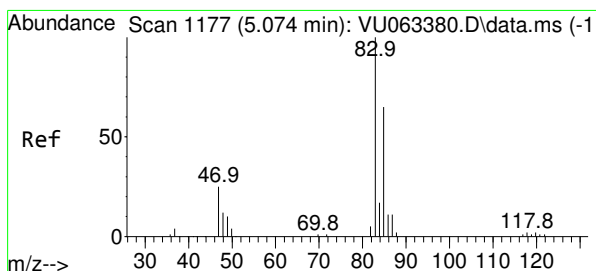
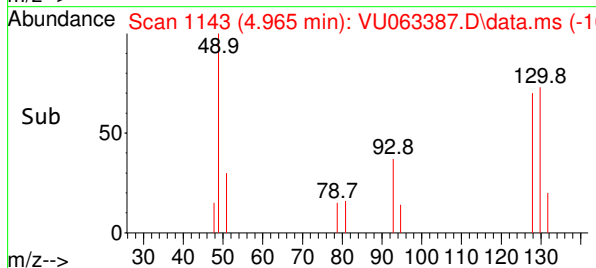
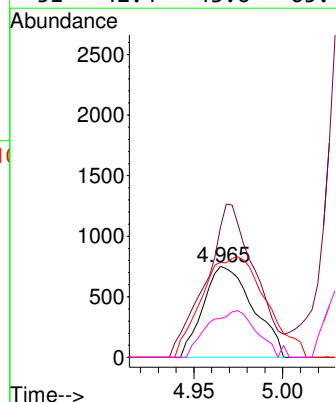
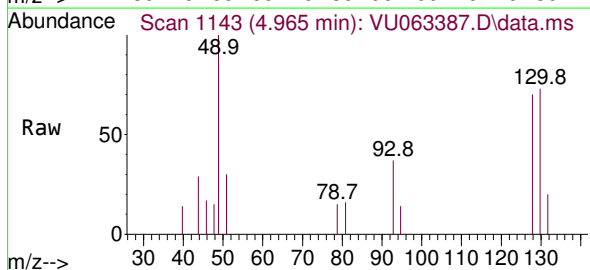
Ion Ratio Lower Upper

128 100

49 143.5 118.2 219.6

130 104.4 89.2 165.8

51 42.4 43.6 65.4#



#25

Chloroform

Concen: 2.545 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU063387.D

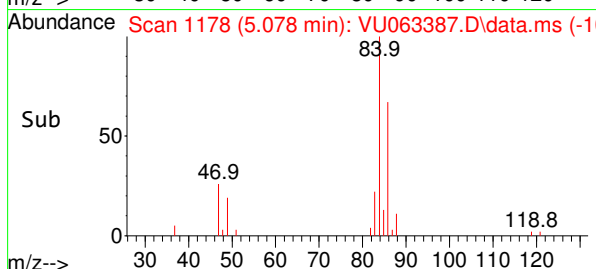
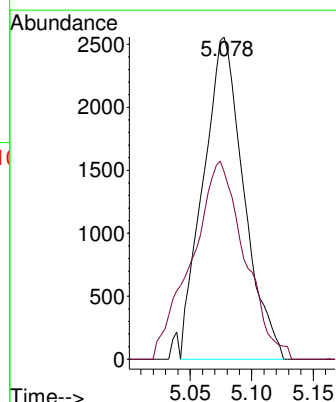
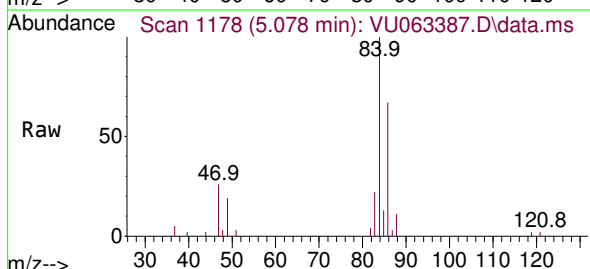
Acq: 11 Jun 2025 16:49

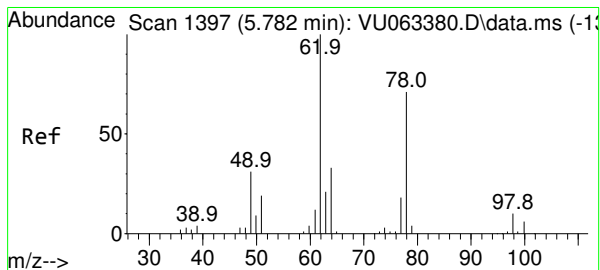
Tgt Ion: 83 Resp: 5865

Ion Ratio Lower Upper

83 100

85 58.2 45.9 85.3





#27

1,2-Dichloroethane

Concen: 2.112 ug/L

RT: 5.791 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU063387.D

Acq: 11 Jun 2025 16:49

Instrument :

MSVOA_U

ClientSampleId :

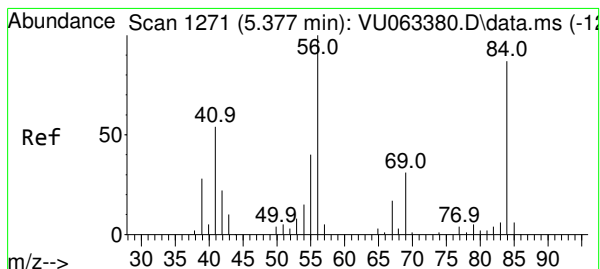
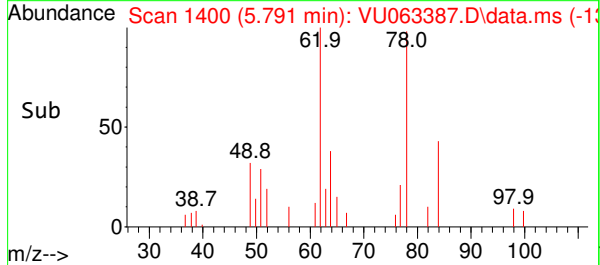
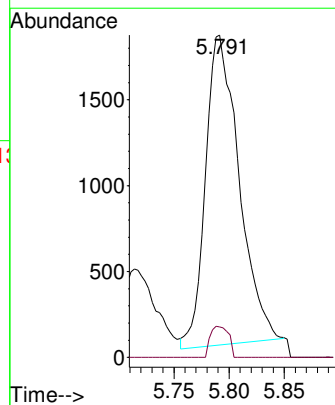
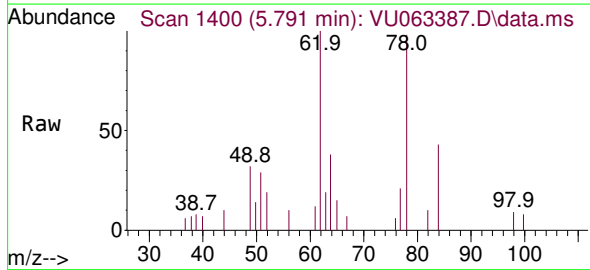
MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 62 Resp: 3819

Ion Ratio Lower Upper

62 100

98 9.4 7.5 11.3



#29

Cyclohexane

Concen: 1.971 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.000 min

Lab File: VU063387.D

Acq: 11 Jun 2025 16:49

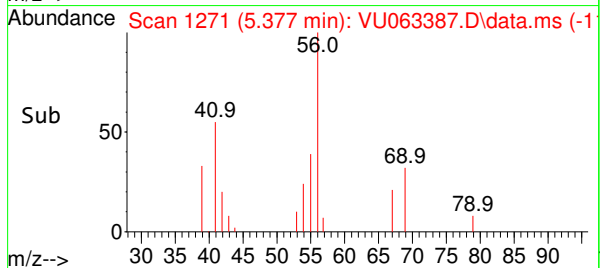
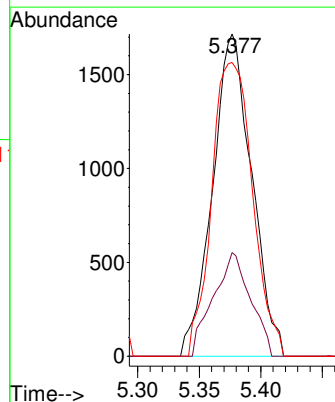
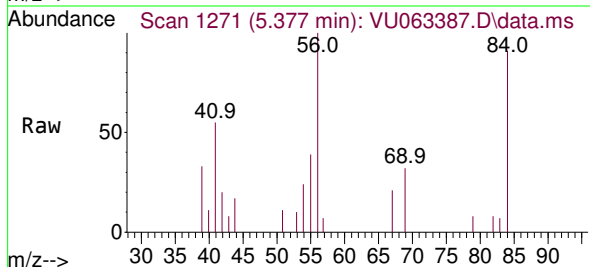
Tgt Ion: 56 Resp: 3792

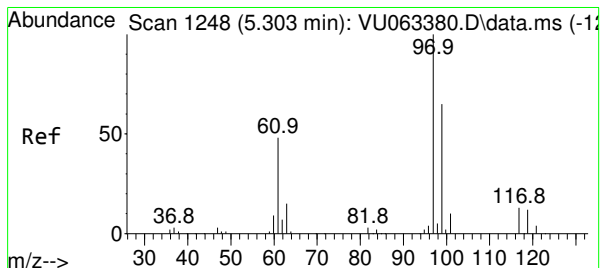
Ion Ratio Lower Upper

56 100

69 30.5 24.2 36.4

84 95.3 67.2 100.8





#30

1,1,1-Trichloroethane

Concen: 2.172 ug/L

RT: 5.309 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU063387.D

Acq: 11 Jun 2025 16:49

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2025-03

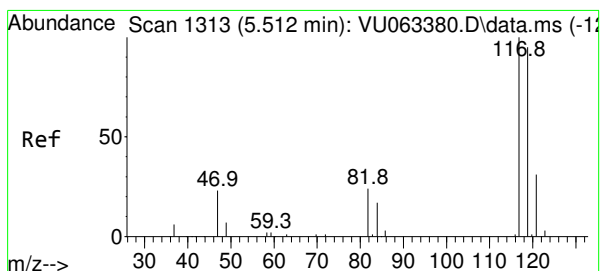
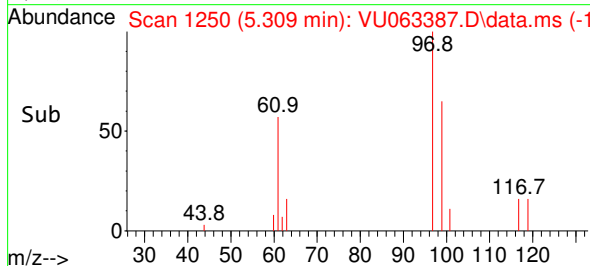
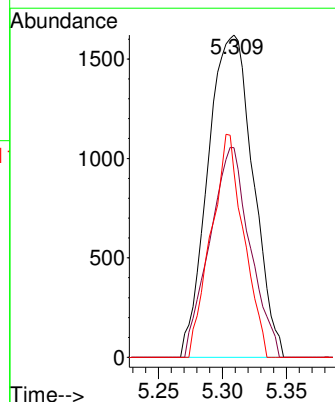
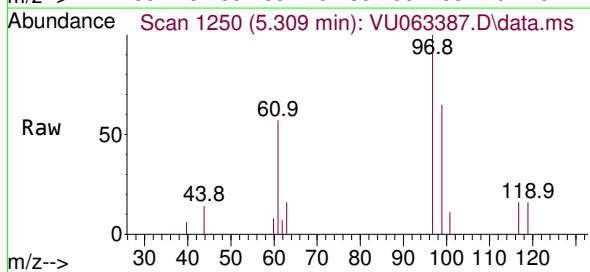
Tgt Ion: 97 Resp: 3976

Ion Ratio Lower Upper

97 100

99 58.1 52.1 78.1

61 50.1 38.6 57.8



#31

Carbon tetrachloride

Concen: 2.174 ug/L

RT: 5.515 min Scan# 1314

Delta R.T. 0.003 min

Lab File: VU063387.D

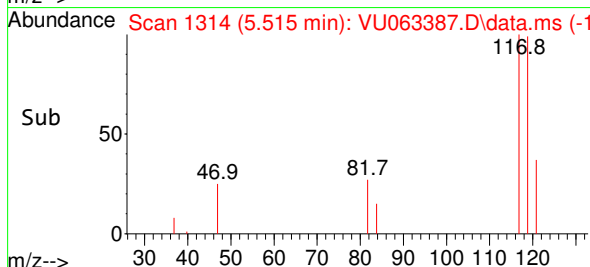
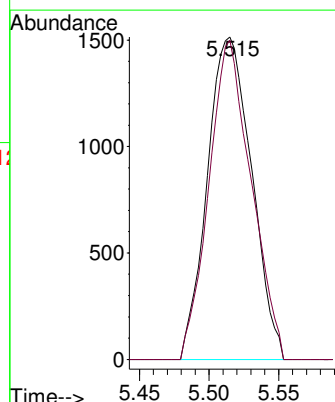
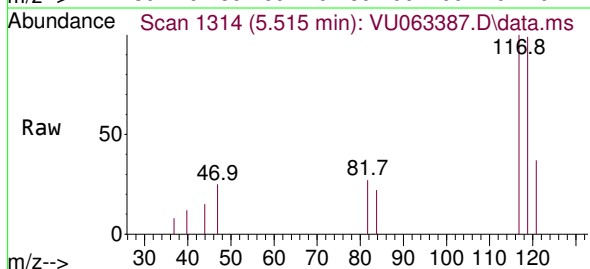
Acq: 11 Jun 2025 16:49

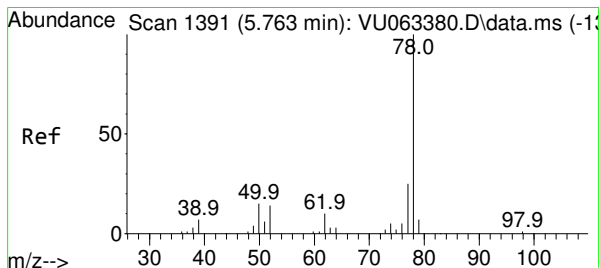
Tgt Ion: 117 Resp: 3345

Ion Ratio Lower Upper

117 100

119 94.4 76.3 114.5





#33

Benzene

Concen: 2.200 ug/L

RT: 5.772 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU063387.D

Acq: 11 Jun 2025 16:49

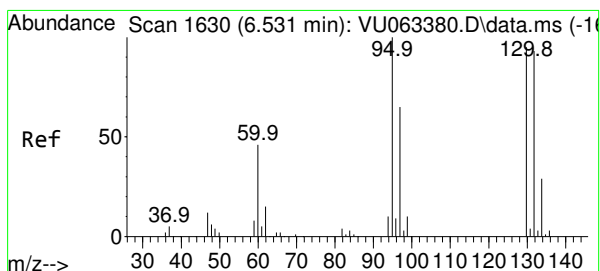
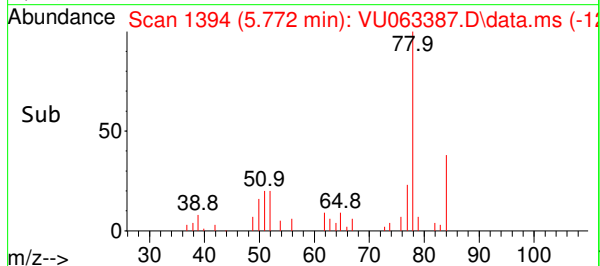
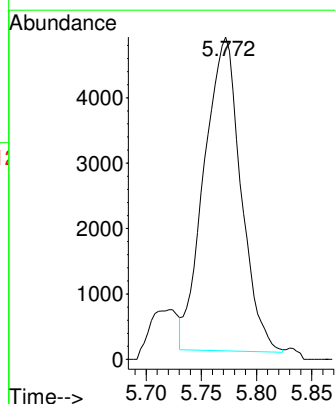
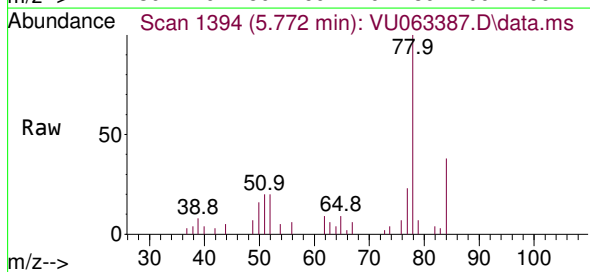
Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 78 Resp: 11081



#34

Trichloroethene

Concen: 2.343 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. 0.010 min

Lab File: VU063387.D

Acq: 11 Jun 2025 16:49

Tgt Ion: 95 Resp: 3034

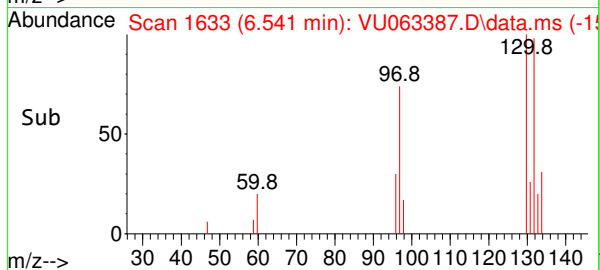
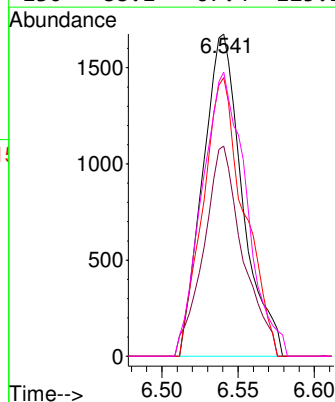
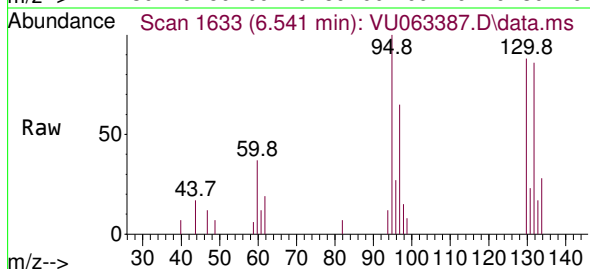
Ion Ratio Lower Upper

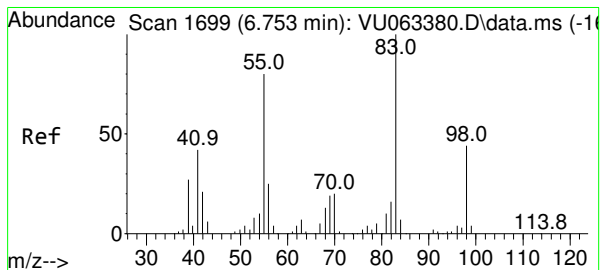
95 100

97 65.3 44.6 82.8

132 86.5 65.3 121.3

130 88.1 67.4 125.2

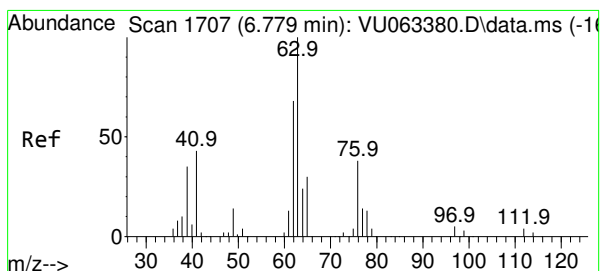
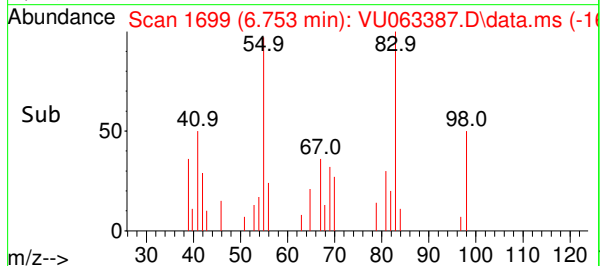
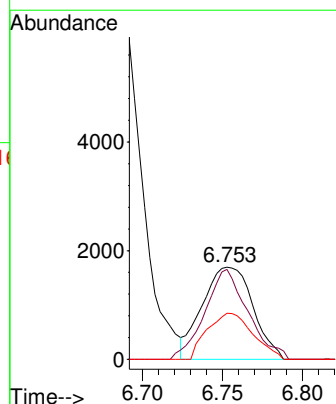
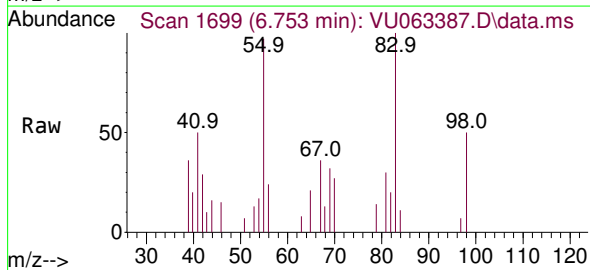




#35
Methylcyclohexane
Concen: 1.951 ug/L
RT: 6.753 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

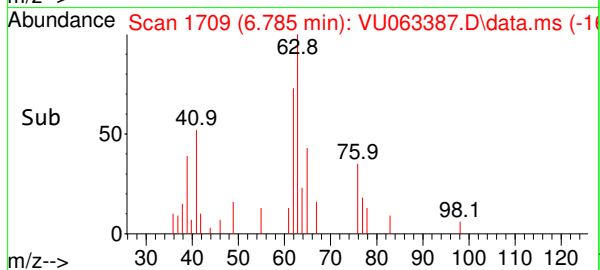
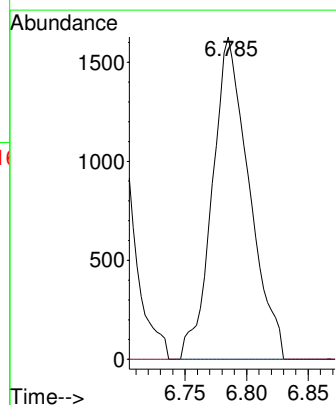
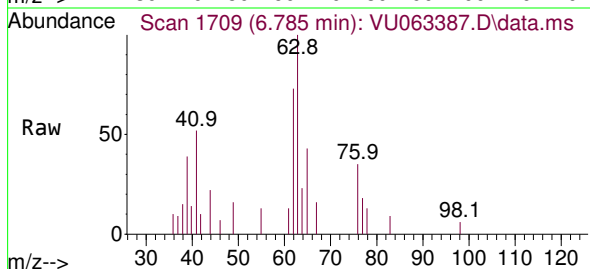
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03

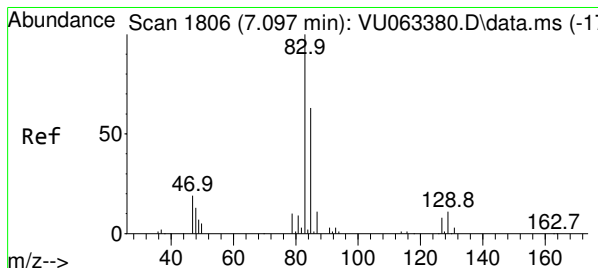
Tgt Ion:	83	Resp:	3736
Ion	Ratio	Lower	Upper
83	100		
55	82.9	63.4	95.2
98	45.2	35.2	52.8



#37
1,2-Dichloropropane
Concen: 2.271 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.006 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

Tgt Ion:	63	Resp:	3393
Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.9	4.3#





#38

Bromodichloromethane

Concen: 2.240 ug/L

RT: 7.097 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063387.D

Acq: 11 Jun 2025 16:49

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2025-03

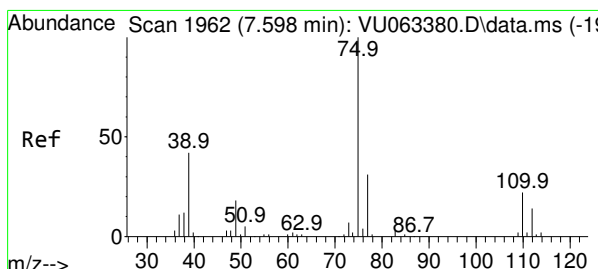
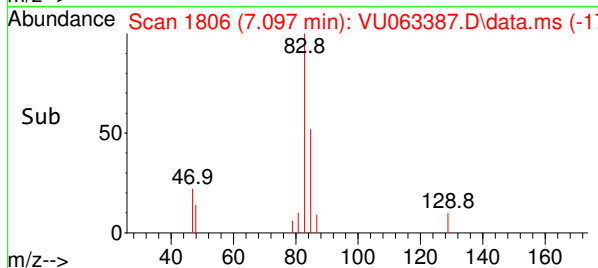
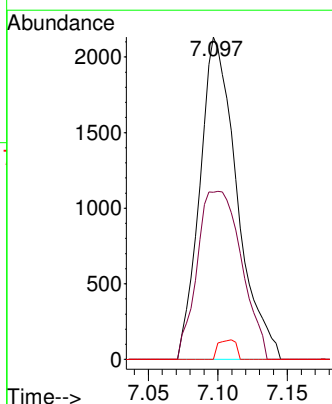
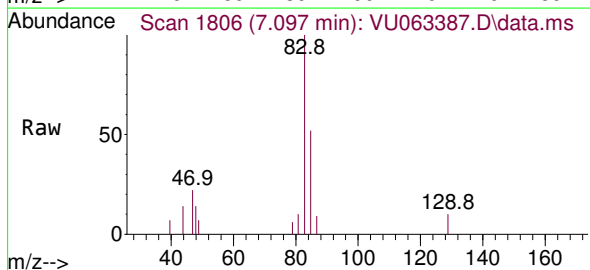
Tgt Ion: 83 Resp: 3947

Ion Ratio Lower Upper

83 100

85 51.9 45.3 84.1

127 0.0 6.0 9.0#



#39

cis-1,3-Dichloropropene

Concen: 1.976 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU063387.D

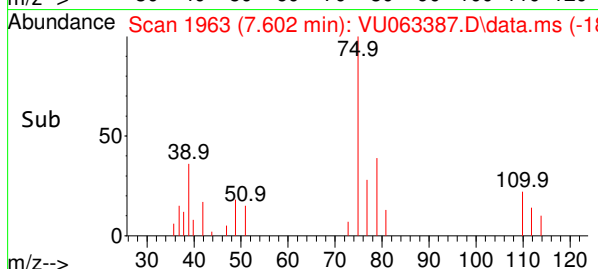
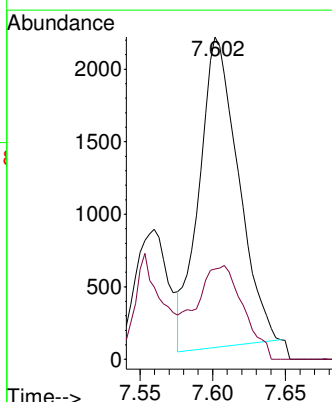
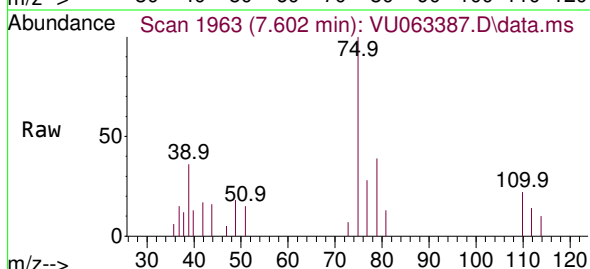
Acq: 11 Jun 2025 16:49

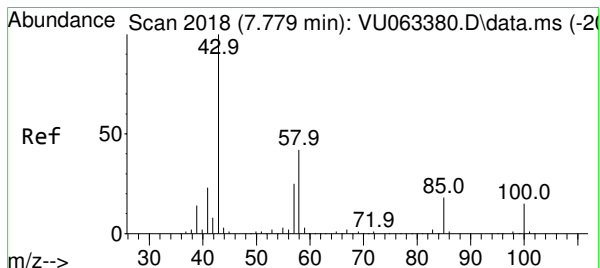
Tgt Ion: 75 Resp: 4003

Ion Ratio Lower Upper

75 100

77 28.0 22.7 42.3





#40

4-Methyl-2-pentanone

Concen: 4.373 ug/L

RT: 7.788 min Scan# 2

Delta R.T. 0.010 min

Lab File: VU063387.D

Acq: 11 Jun 2025 16:49

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2025-03

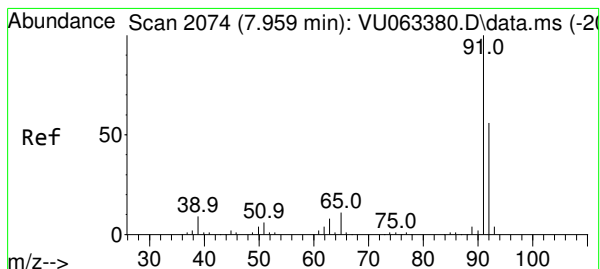
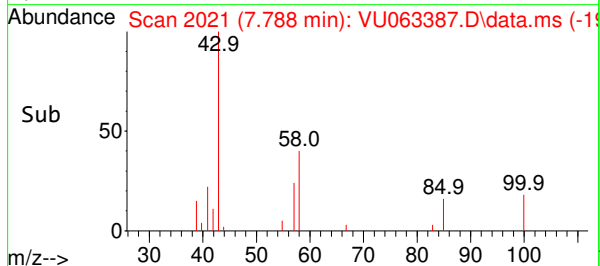
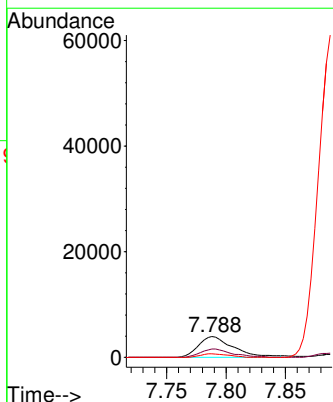
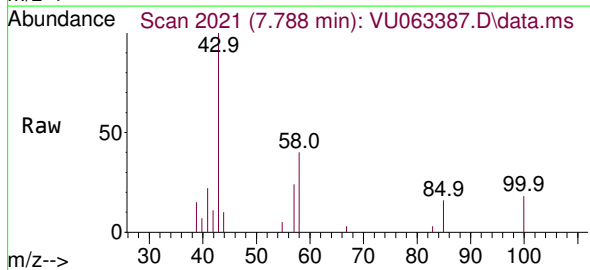
Tgt Ion: 43 Resp: 8104

Ion Ratio Lower Upper

43 100

58 36.5 33.0 49.6

100 14.0 11.9 17.9



#42

Toluene

Concen: 2.204 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.006 min

Lab File: VU063387.D

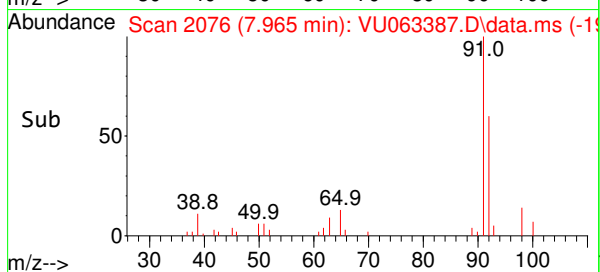
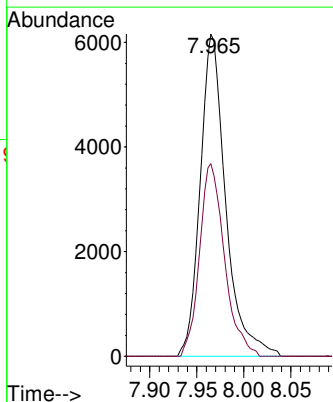
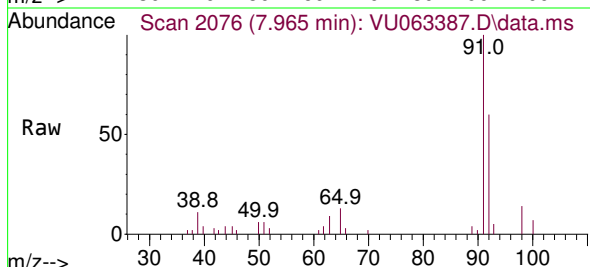
Acq: 11 Jun 2025 16:49

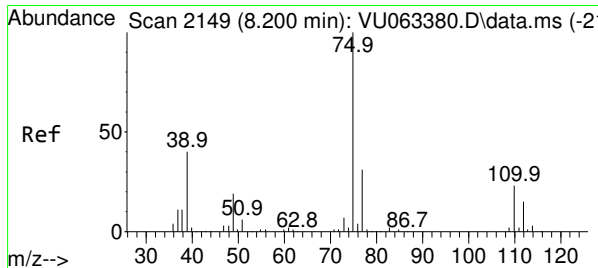
Tgt Ion: 91 Resp: 11601

Ion Ratio Lower Upper

91 100

92 59.8 39.9 74.1

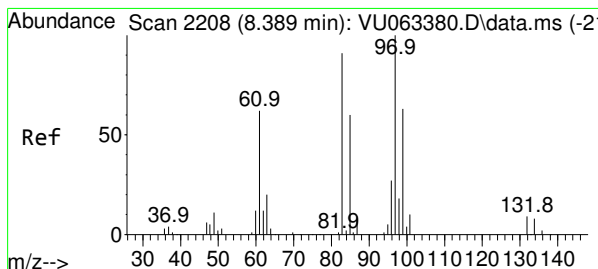
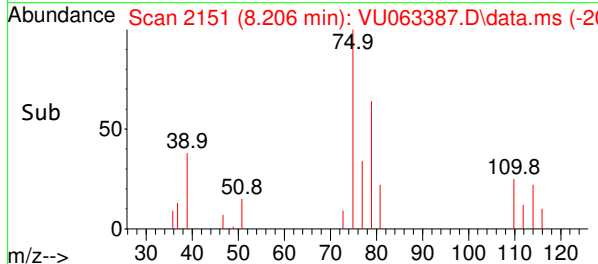
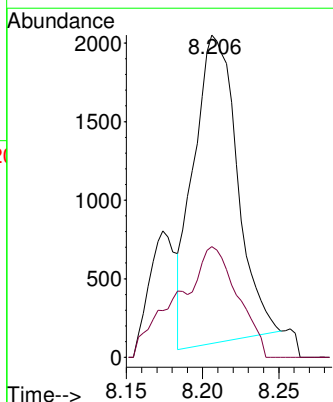
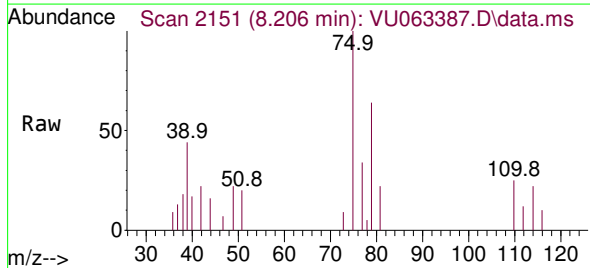




#44
trans-1,3-Dichloropropene
Concen: 2.054 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. 0.006 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

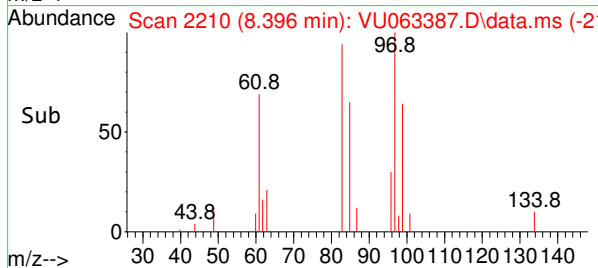
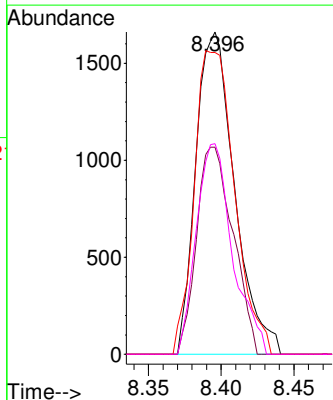
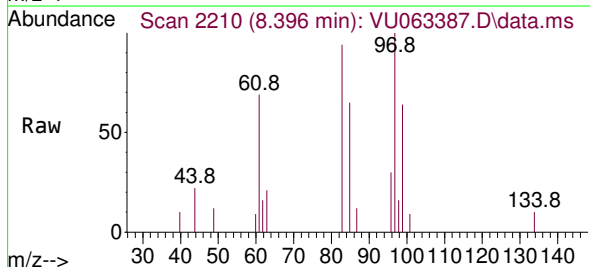
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

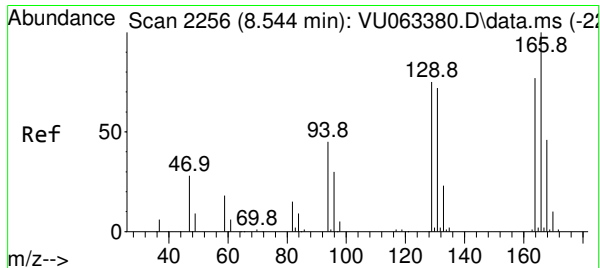
Tgt Ion: 75 Resp: 3893
Ion Ratio Lower Upper
75 100
77 34.3 21.7 40.3



#45
1,1,2-Trichloroethane
Concen: 2.249 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

Tgt Ion: 97 Resp: 3076
Ion Ratio Lower Upper
97 100
99 64.3 44.4 82.4
83 93.6 63.3 117.5
85 65.3 40.5 75.1

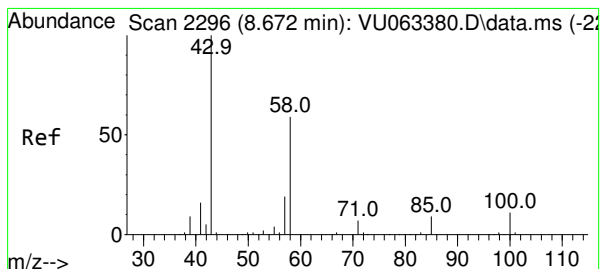
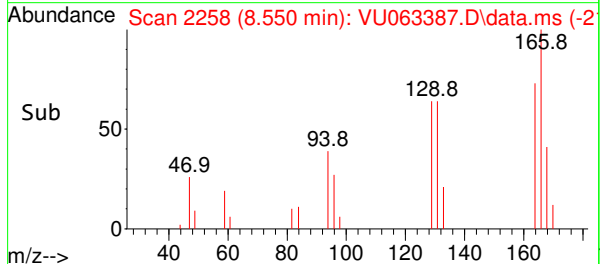
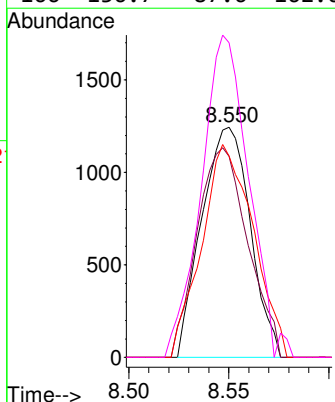
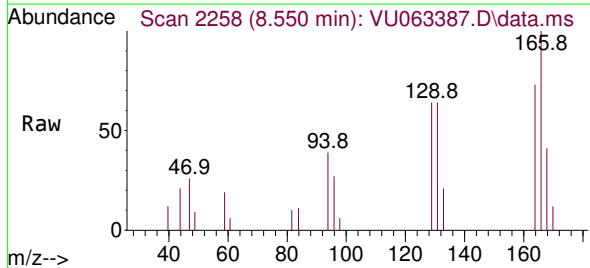




#46
Tetrachloroethene
Concen: 2.188 ug/L
RT: 8.550 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

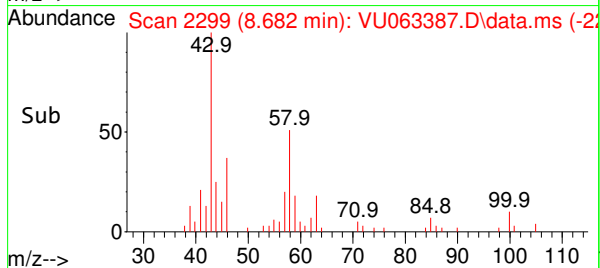
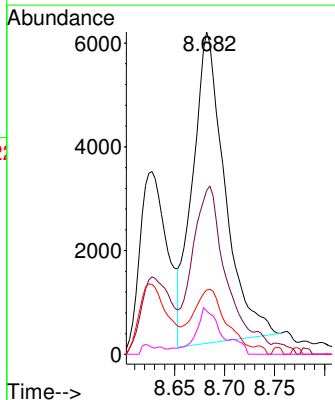
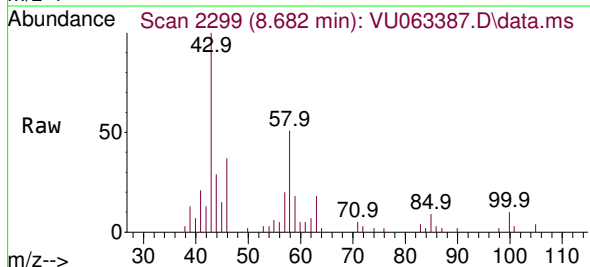
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03

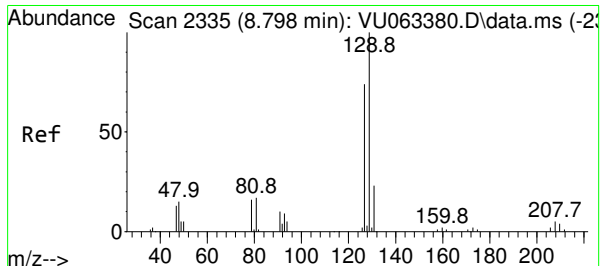
Tgt Ion:	164	Resp:	2094
Ion	Ratio	Lower	Upper
164	100		
129	87.3	67.8	125.8
131	87.5	64.3	119.5
166	136.7	87.6	162.6



#48
2-Hexanone
Concen: 9.292 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.010 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

Tgt Ion:	43	Resp:	13430
Ion	Ratio	Lower	Upper
43	100		
58	46.2	46.6	69.8#
57	17.4	15.8	23.6
100	7.8	9.0	13.4#

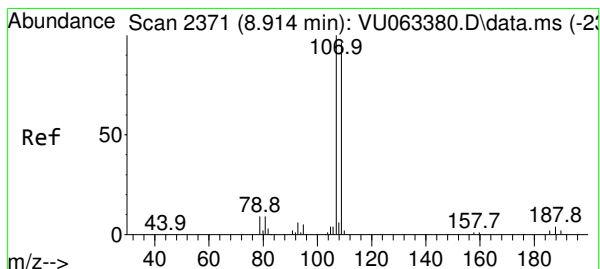
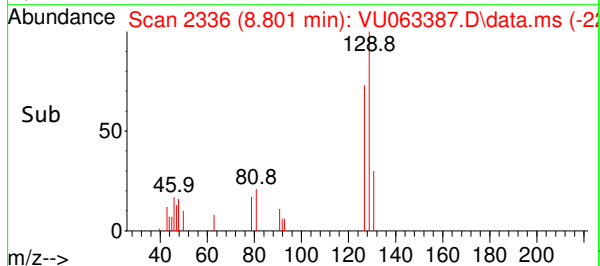
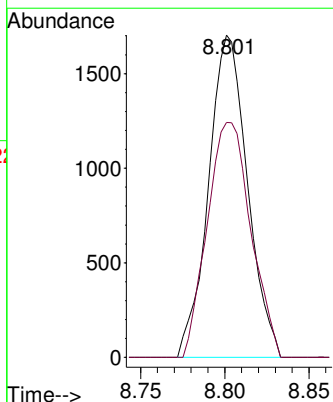
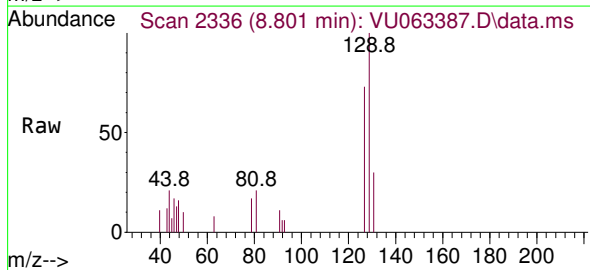




#49
Dibromochloromethane
Concen: 2.111 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

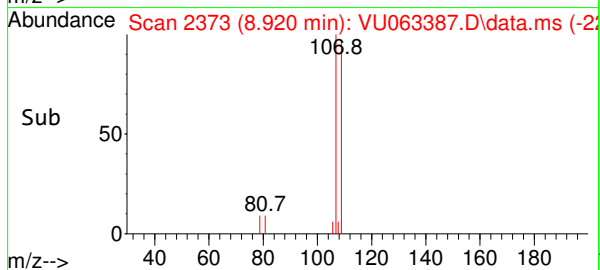
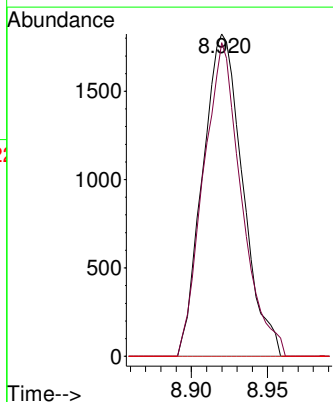
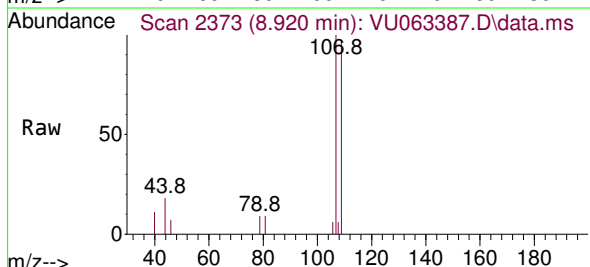
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

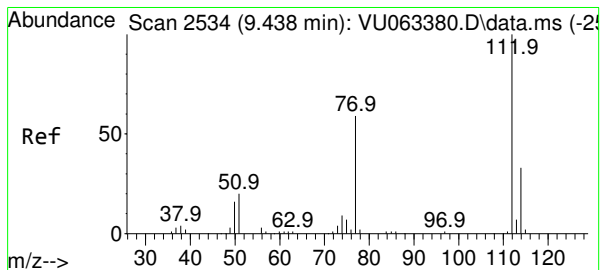
Tgt Ion:129 Resp: 2739
Ion Ratio Lower Upper
129 100
127 72.8 54.0 100.4



#50
1,2-Dibromoethane
Concen: 2.376 ug/L
RT: 8.920 min Scan# 2373
Delta R.T. 0.006 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

Tgt Ion:107 Resp: 3320
Ion Ratio Lower Upper
107 100
109 92.0 65.2 121.0
188 0.0 2.5 3.7#

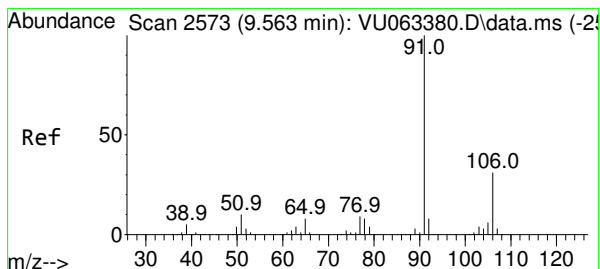
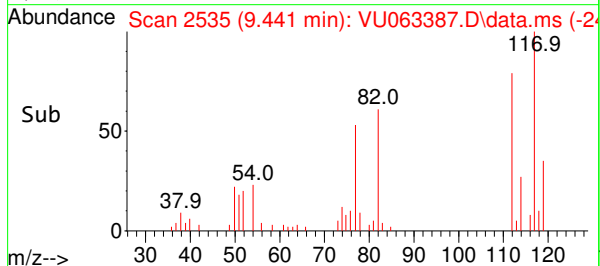
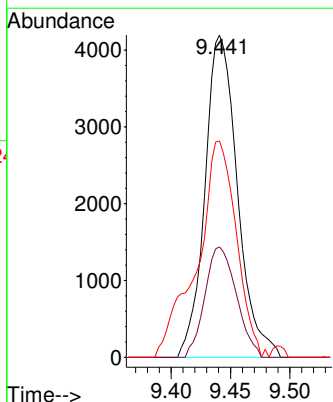
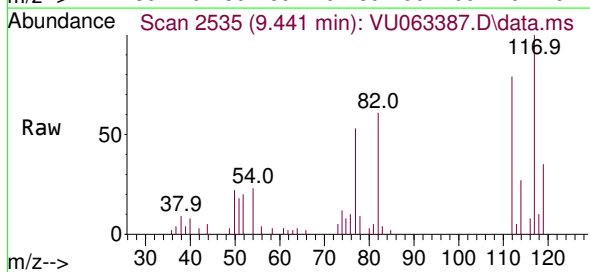




#51
Chlorobenzene
Concen: 2.347 ug/L
RT: 9.441 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

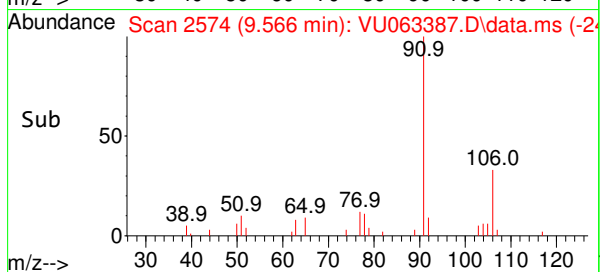
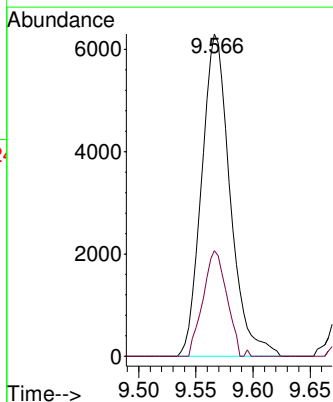
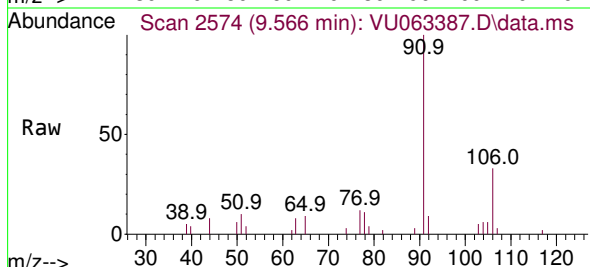
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

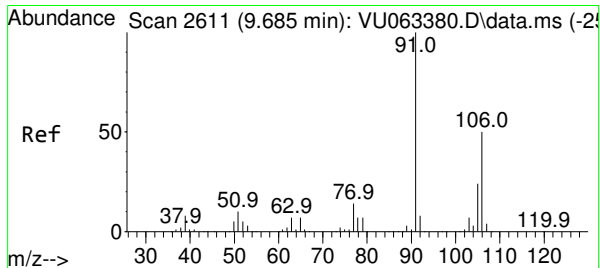
Tgt Ion:	112	Resp:	8008
Ion	Ratio	Lower	Upper
112	100		
114	34.2	22.3	41.5
77	67.1	48.7	73.1



#52
Ethylbenzene
Concen: 1.980 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

Tgt Ion:	91	Resp:	10912
Ion	Ratio	Lower	Upper
91	100		
106	32.8	21.5	39.9

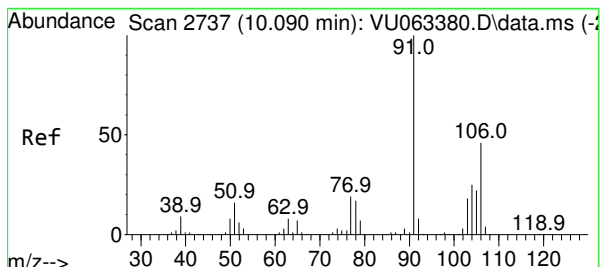
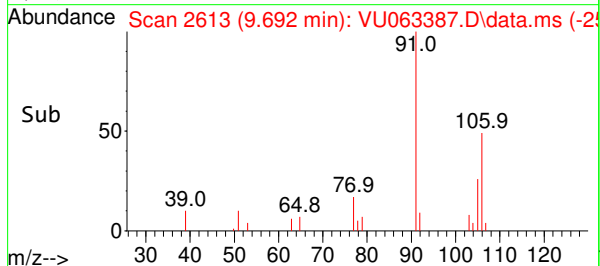
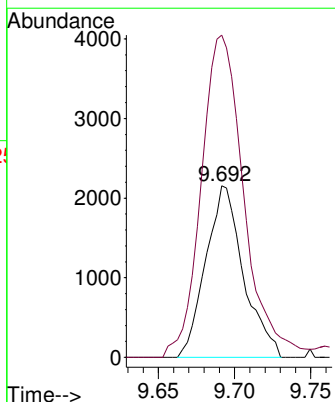
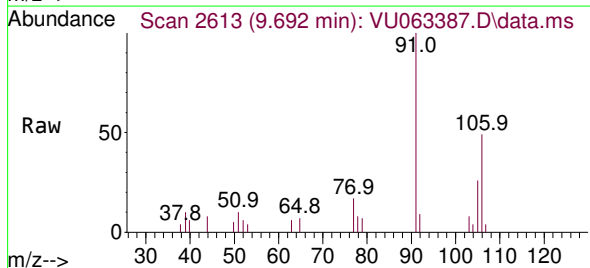




#53
m,p-Xylene
Concen: 1.813 ug/L
RT: 9.692 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

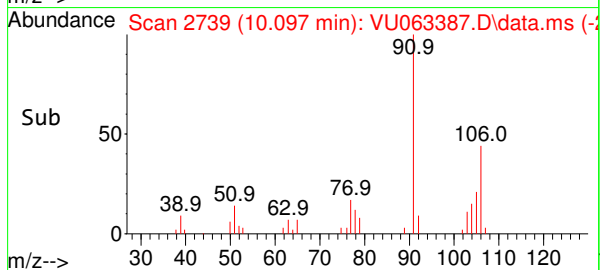
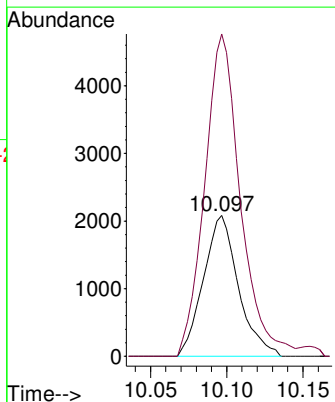
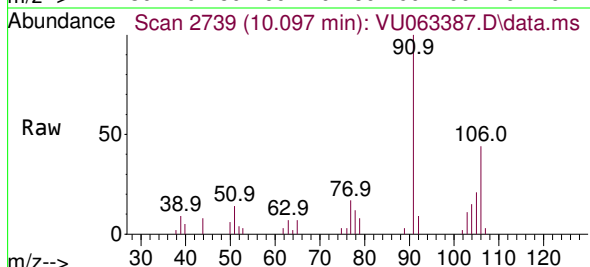
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

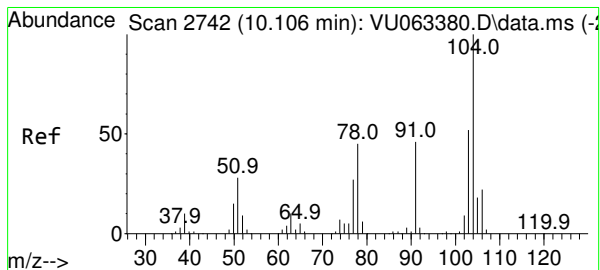
Tgt Ion:106 Resp: 3697
Ion Ratio Lower Upper
106 100
91 188.0 147.3 273.6



#54
o-Xylene
Concen: 1.709 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.006 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

Tgt Ion:106 Resp: 3322
Ion Ratio Lower Upper
106 100
91 228.8 156.7 291.1

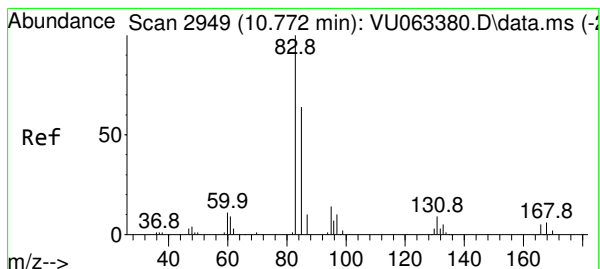
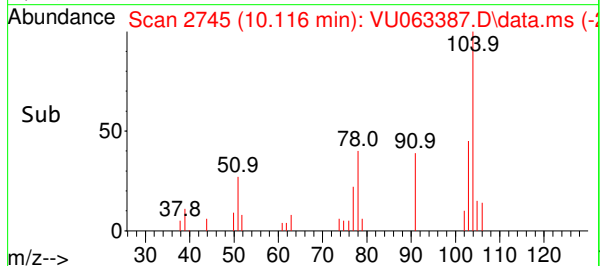
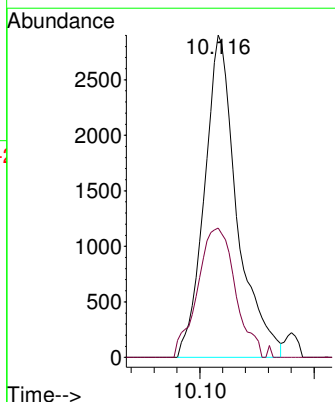
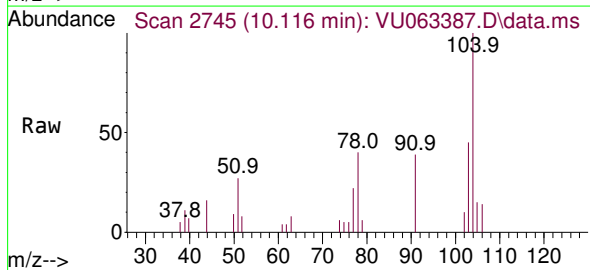




#55
 Styrene
 Concen: 1.720 ug/L
 RT: 10.116 min Scan# 21
 Delta R.T. 0.010 min
 Lab File: VU063387.D
 Acq: 11 Jun 2025 16:49

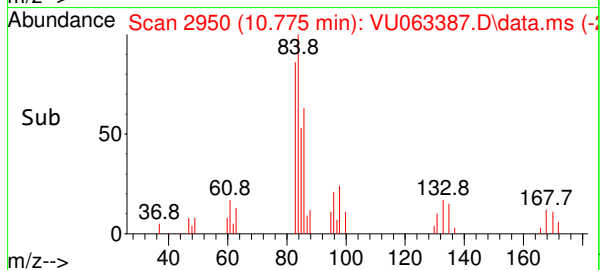
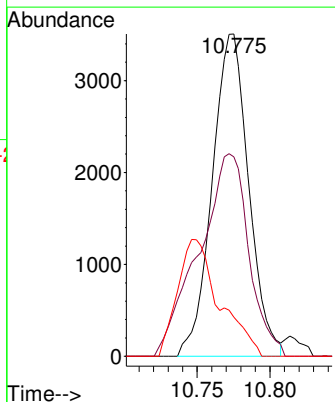
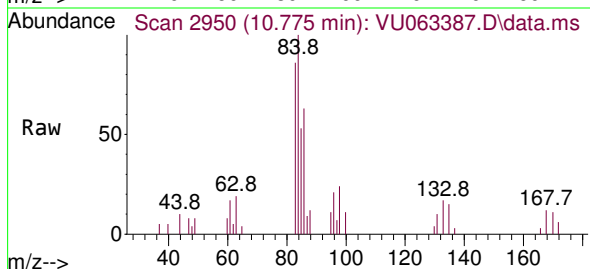
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-03

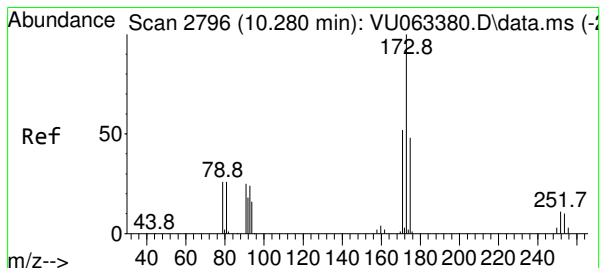
Tgt Ion: 104 Resp: 5742
 Ion Ratio Lower Upper
 104 100
 78 40.1 32.4 60.2



#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.504 ug/L
 RT: 10.775 min Scan# 2950
 Delta R.T. 0.003 min
 Lab File: VU063387.D
 Acq: 11 Jun 2025 16:49

Tgt Ion: 83 Resp: 6120
 Ion Ratio Lower Upper
 83 100
 85 61.8 45.6 84.8
 131 12.1 7.1 10.7#





#59

Bromoform

Concen: 2.379 ug/L

RT: 10.283 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU063387.D

Acq: 11 Jun 2025 16:49

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2025-03

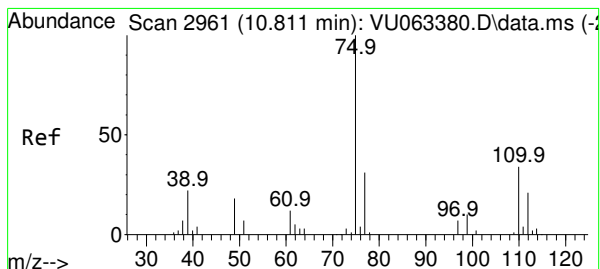
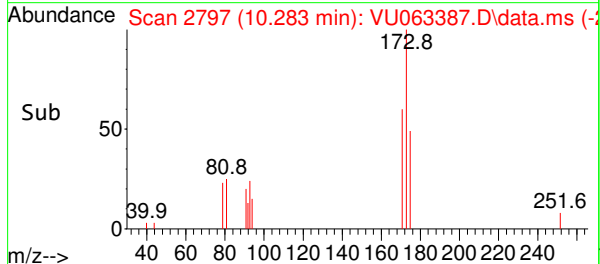
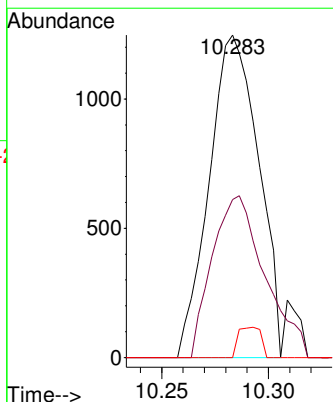
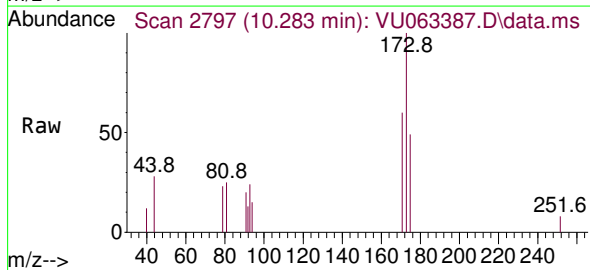
Tgt Ion:173 Resp: 2006

Ion Ratio Lower Upper

173 100

175 53.5 38.6 57.8

254 0.0 7.8 11.6#



#60

1,2,3-Trichloropropane

Concen: 2.890 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.006 min

Lab File: VU063387.D

Acq: 11 Jun 2025 16:49

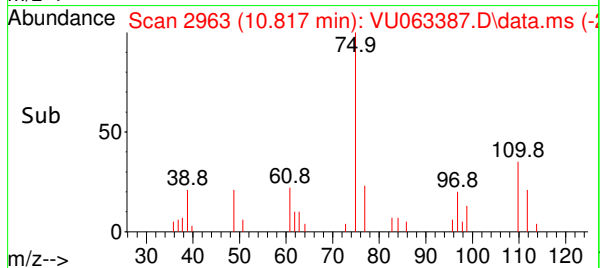
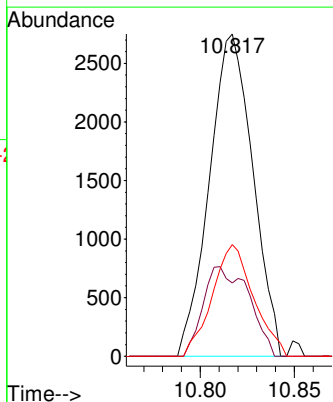
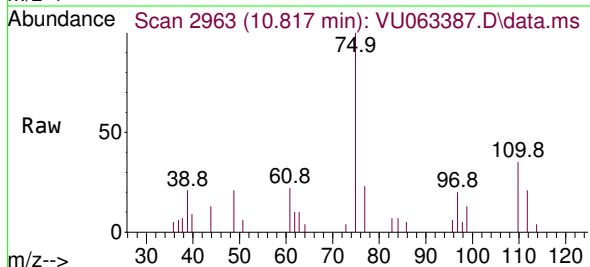
Tgt Ion: 75 Resp: 4417

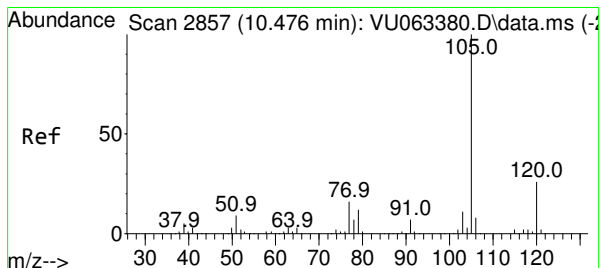
Ion Ratio Lower Upper

75 100

77 18.2 25.9 38.9#

110 33.1 27.8 41.8





#61

Isopropylbenzene

Concen: 2.150 ug/L

RT: 10.479 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU063387.D

Acq: 11 Jun 2025 16:49

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2025-03

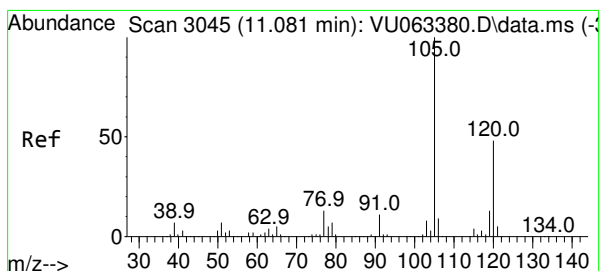
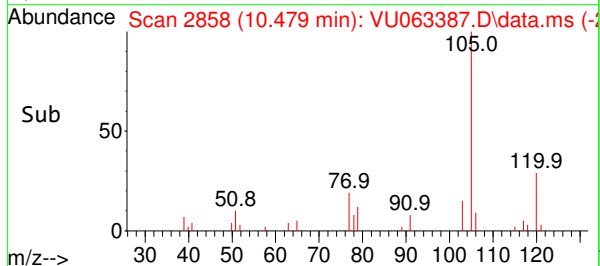
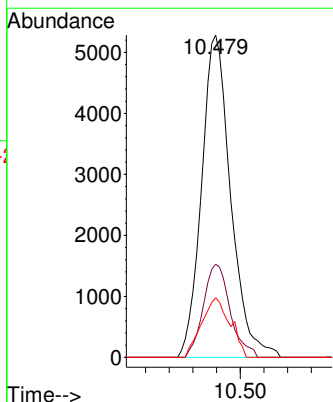
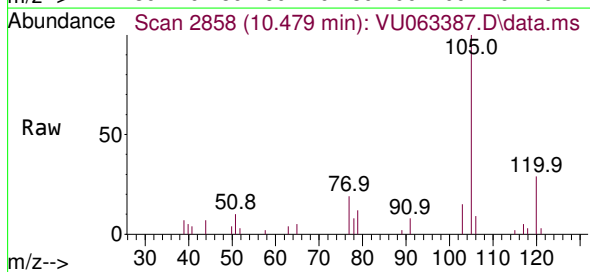
Tgt Ion:105 Resp: 9025

Ion Ratio Lower Upper

105 100

120 26.6 20.6 31.0

77 15.8 13.0 19.4



#62

1,3,5-Trimethylbenzene

Concen: 1.848 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU063387.D

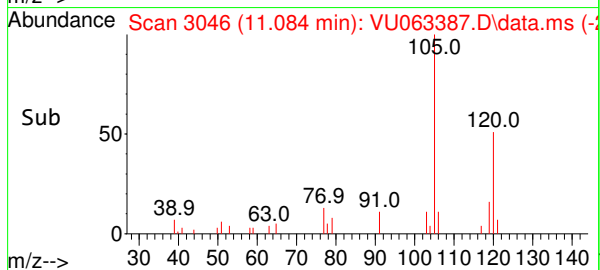
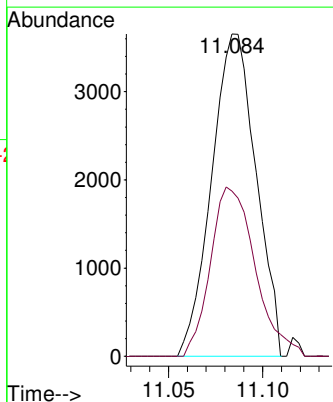
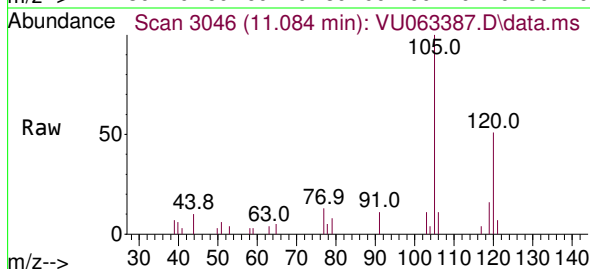
Acq: 11 Jun 2025 16:49

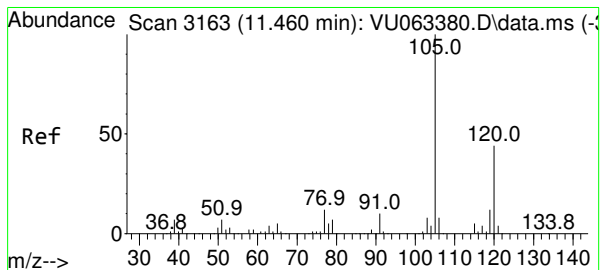
Tgt Ion:105 Resp: 5995

Ion Ratio Lower Upper

105 100

120 53.0 37.9 56.9

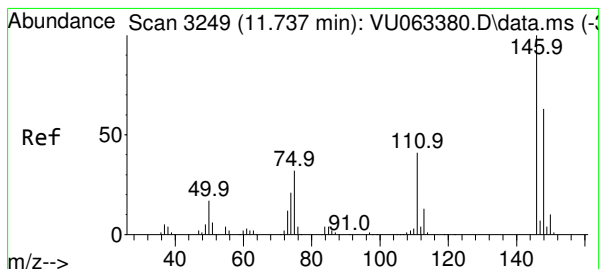
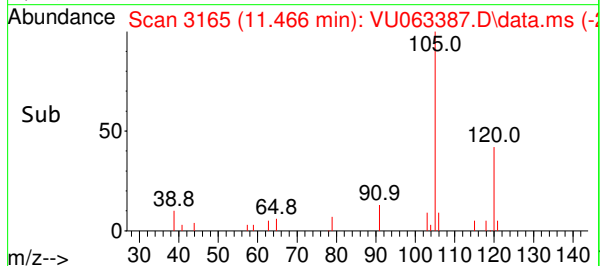
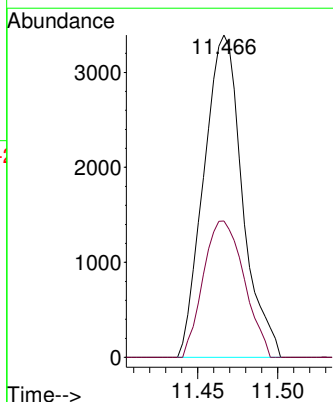
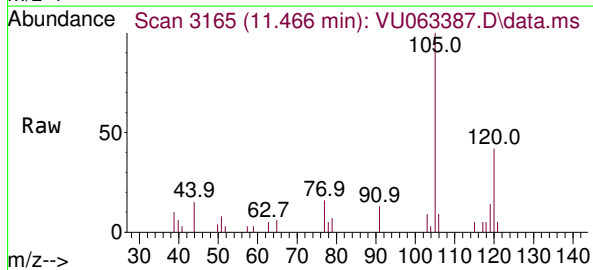




#63
1,2,4-Trimethylbenzene
Concen: 1.849 ug/L
RT: 11.466 min Scan# 3165
Delta R.T. 0.006 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

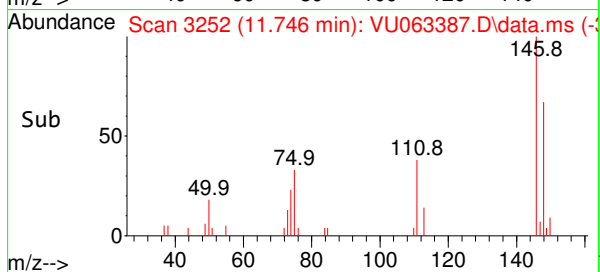
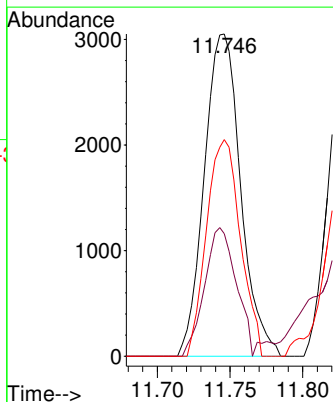
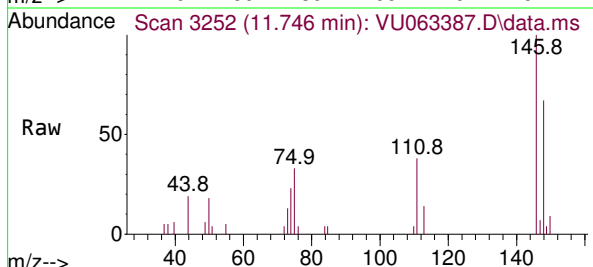
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

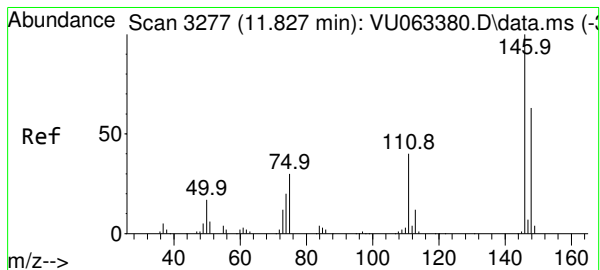
Tgt Ion:105 Resp: 5699
Ion Ratio Lower Upper
105 100
120 44.7 35.4 53.2



#64
1,3-Dichlorobenzene
Concen: 2.551 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.010 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

Tgt Ion:146 Resp: 5314
Ion Ratio Lower Upper
146 100
111 38.0 29.2 54.2
148 70.7 45.8 85.2





#65

1,4-Dichlorobenzene

Concen: 2.649 ug/L

RT: 11.830 min Scan# 3

Delta R.T. 0.003 min

Lab File: VU063387.D

Acq: 11 Jun 2025 16:49

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2025-03

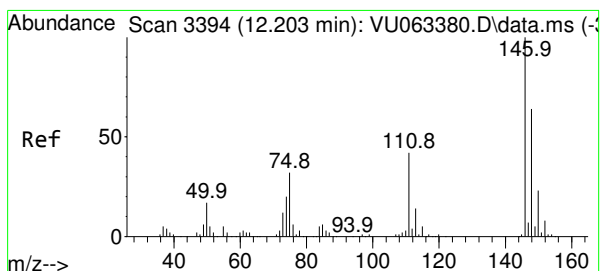
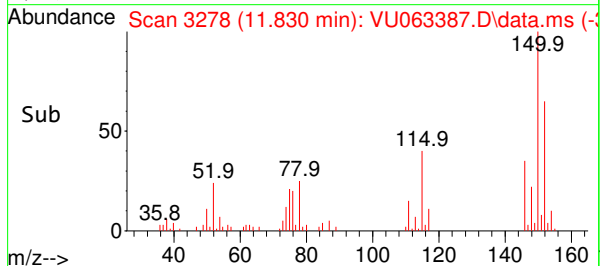
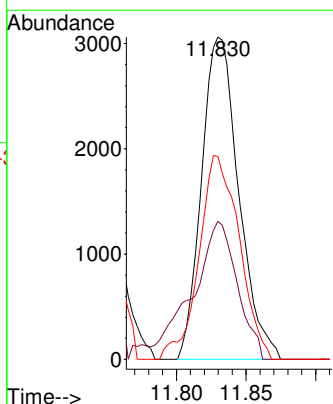
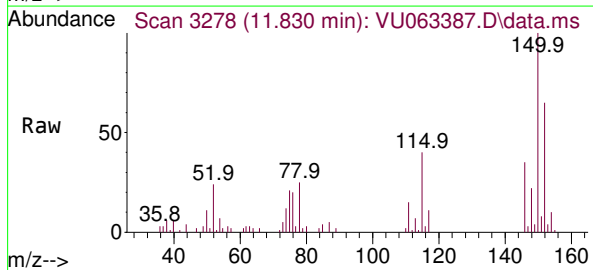
Tgt Ion:146 Resp: 5673

Ion Ratio Lower Upper

146 100

111 42.8 27.5 51.1

148 62.9 44.7 82.9



#67

1,2-Dichlorobenzene

Concen: 2.676 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU063387.D

Acq: 11 Jun 2025 16:49

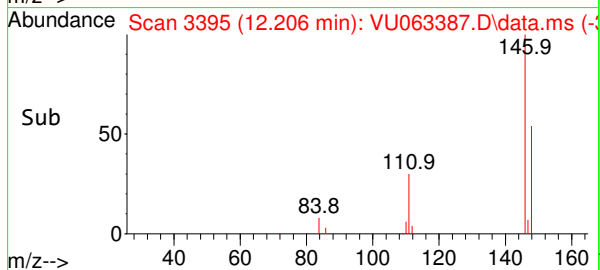
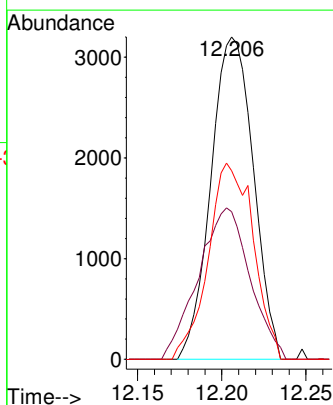
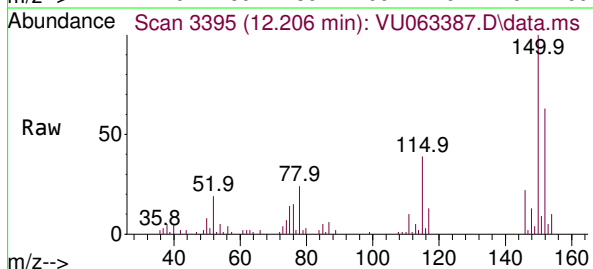
Tgt Ion:146 Resp: 5628

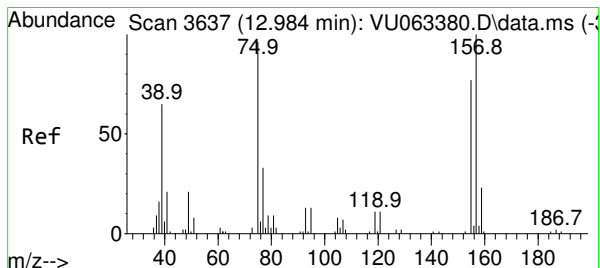
Ion Ratio Lower Upper

146 100

111 42.8 34.7 52.1

148 72.5 51.3 76.9

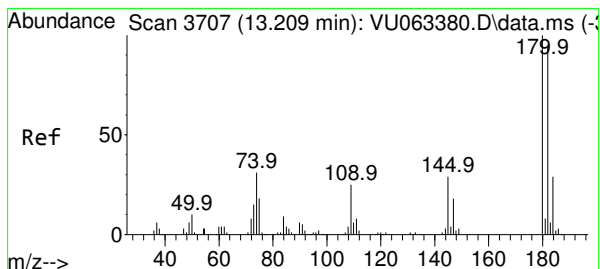
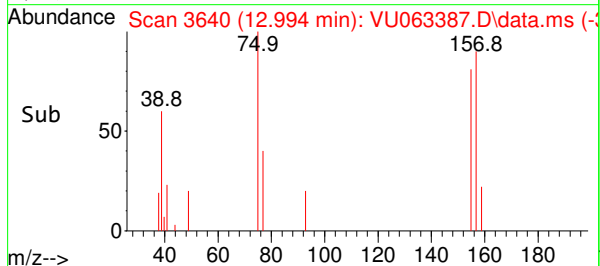
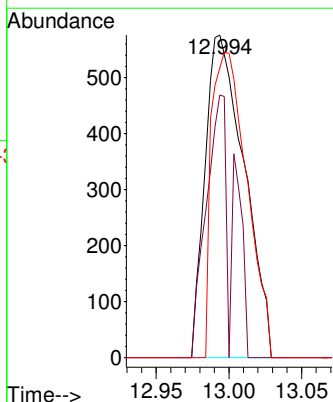
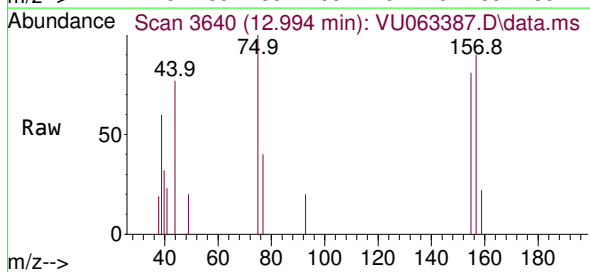




#68
1,2-Dibromo-3-chloropropane
Concen: 2.611 ug/L
RT: 12.994 min Scan# 3640
Delta R.T. 0.010 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

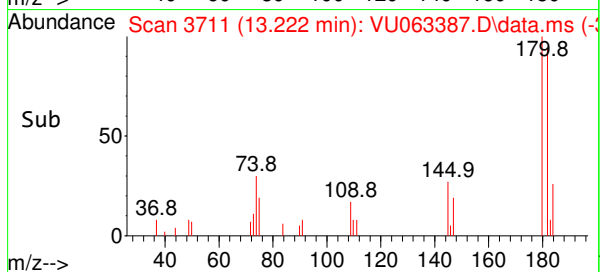
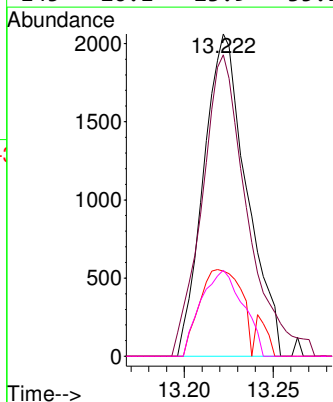
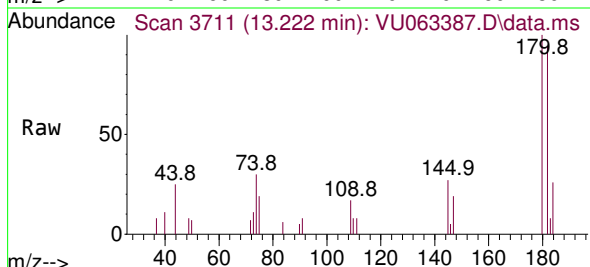
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

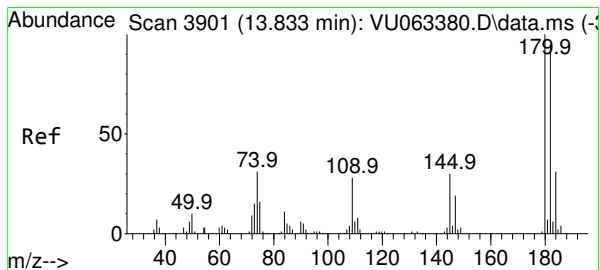
Tgt Ion:	75	Resp:	1073
Ion	Ratio	Lower	Upper
75	100		
155	81.4	68.4	102.6
157	89.8	84.2	126.4



#69
1,3,5-Trichlorobenzene
Concen: 2.458 ug/L
RT: 13.222 min Scan# 3711
Delta R.T. 0.013 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

Tgt Ion:	180	Resp:	3467
Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.2	115.8
184	26.0	24.3	36.5
145	26.1	23.9	35.9

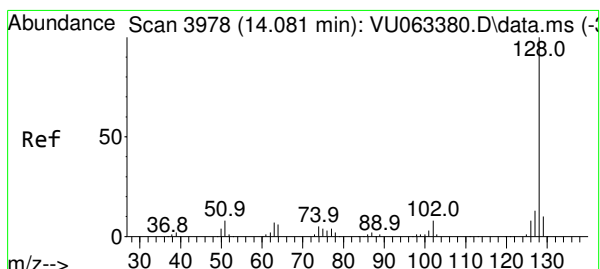
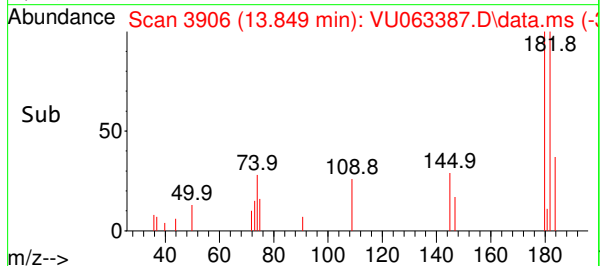
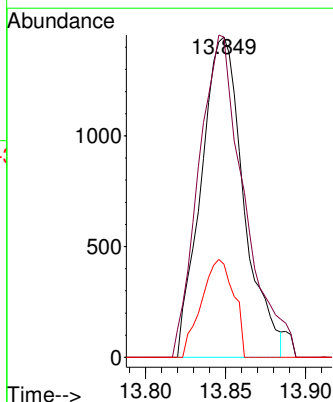
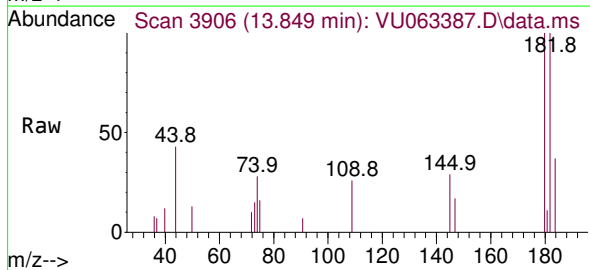




#70
1,2,4-trichlorobenzene
Concen: 2.455 ug/L
RT: 13.849 min Scan# 3
Delta R.T. 0.016 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

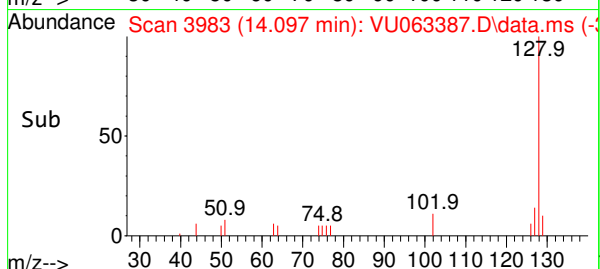
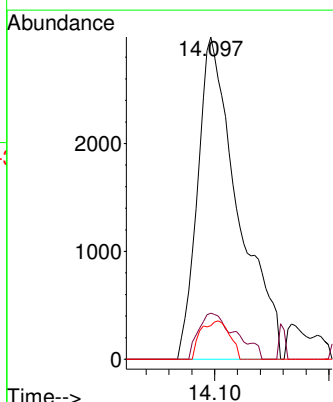
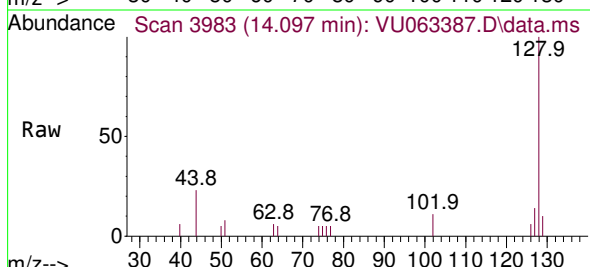
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

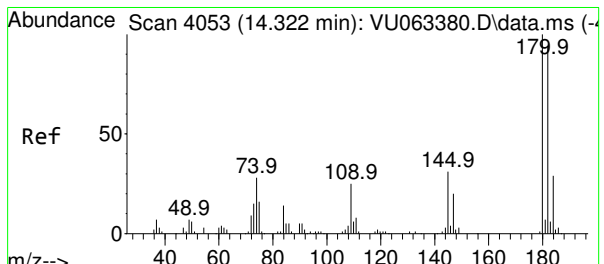
Tgt Ion:	180	Resp:	2689
Ion	Ratio	Lower	Upper
180	100		
182	106.8	75.8	113.8
145	23.2	24.0	36.0#



#71
Naphthalene
Concen: 2.477 ug/L
RT: 14.097 min Scan# 3983
Delta R.T. 0.016 min
Lab File: VU063387.D
Acq: 11 Jun 2025 16:49

Tgt Ion:	128	Resp:	7316
Ion	Ratio	Lower	Upper
128	100		
127	9.4	10.2	15.4#
129	2.7	8.6	12.8#





#72
 1,2,3-Trichlorobenzene
 Concen: 2.168 ug/L
 RT: 14.328 min Scan# 4
 Delta R.T. 0.006 min
 Lab File: VU063387.D
 Acq: 11 Jun 2025 16:49

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

Tgt Ion:	180	Resp:	2351
Ion	Ratio	Lower	Upper
180	100		
182	116.0	77.3	115.9#
145	29.9	25.7	38.5

