

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092325\
 Data File : VU063628.D
 Acq On : 23 Sep 2025 11:44
 Operator : MD/SY
 Sample : Q2899-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2025-06

Quant Time: Sep 24 01:20:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 24 01:10:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	222852	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	221235	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	102033	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	73867	49.418	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 98.840%			
7) Chloroethane-d5	1.895	69	67633	53.184	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.360%			
11) 1,1-Dichloroethene-d2	2.550	63	100032	37.451	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 74.900%			
21) 2-Butanone-d5	4.615	46	114185	110.716	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 110.720%			
24) Chloroform-d	5.046	84	140091	50.091	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.180%			
26) 1,2-Dichloroethane-d4	5.689	65	99487	54.600	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 109.200%			
32) Benzene-d6	5.714	84	278814	52.617	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.240%			
36) 1,2-Dichloropropane-d6	6.676	67	88225	50.965	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.940%			
41) Toluene-d8	7.888	98	248514	49.905	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.800%			
43) trans-1,3-Dichloroprop...	8.171	79	27603	44.024	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.040%			
47) 2-Hexanone-d5	8.624	63	67814	106.911	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 106.910%			
56) 1,1,2,2-Tetrachloroeth...	10.743	84	136529	51.220	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.440%			
66) 1,2-Dichlorobenzene-d4	12.184	152	92251	53.802	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	3096	2.581	ug/L	99
3) Chloromethane	1.515	50	4424	2.861	ug/L	96
5) Vinyl chloride	1.596	62	5121	2.783	ug/L #	79
6) Bromomethane	1.837	94	3508	3.009	ug/L	95
8) Chloroethane	1.917	64	3443	2.762	ug/L	96
9) Trichlorofluoromethane	2.123	101	7127	2.658	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.560	101	4264	2.891	ug/L	88
12) 1,1-Dichloroethene	2.563	96	4155	3.167	ug/L #	1
13) Acetone	2.624	43	6555	5.326	ug/L	99
14) Carbon disulfide	2.779	76	8021	2.356	ug/L	99
15) Methyl Acetate	2.952	43	4354m	2.385	ug/L	
16) Methylene chloride	3.033	84	6803	4.101	ug/L	94
17) trans-1,2-Dichloroethene	3.341	96	3741	2.648	ug/L	94
18) Methyl tert-butyl Ether	3.354	73	11192	2.449	ug/L #	88
19) 1,1-Dichloroethane	3.856	63	7470m	2.597	ug/L	
20) cis-1,2-Dichloroethene	4.657	96	4364m	2.638	ug/L	
22) 2-Butanone	4.743	43	9378m	6.593	ug/L	
23) Bromochloromethane	4.975	128	1941	2.239	ug/L #	85
25) Chloroform	5.074	83	8948	2.930	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092325\
 Data File : VU063628.D
 Acq On : 23 Sep 2025 11:44
 Operator : MD/SY
 Sample : Q2899-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2025-06

Quant Time: Sep 24 01:20:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 24 01:10:58 2025
 Response via : Initial Calibration

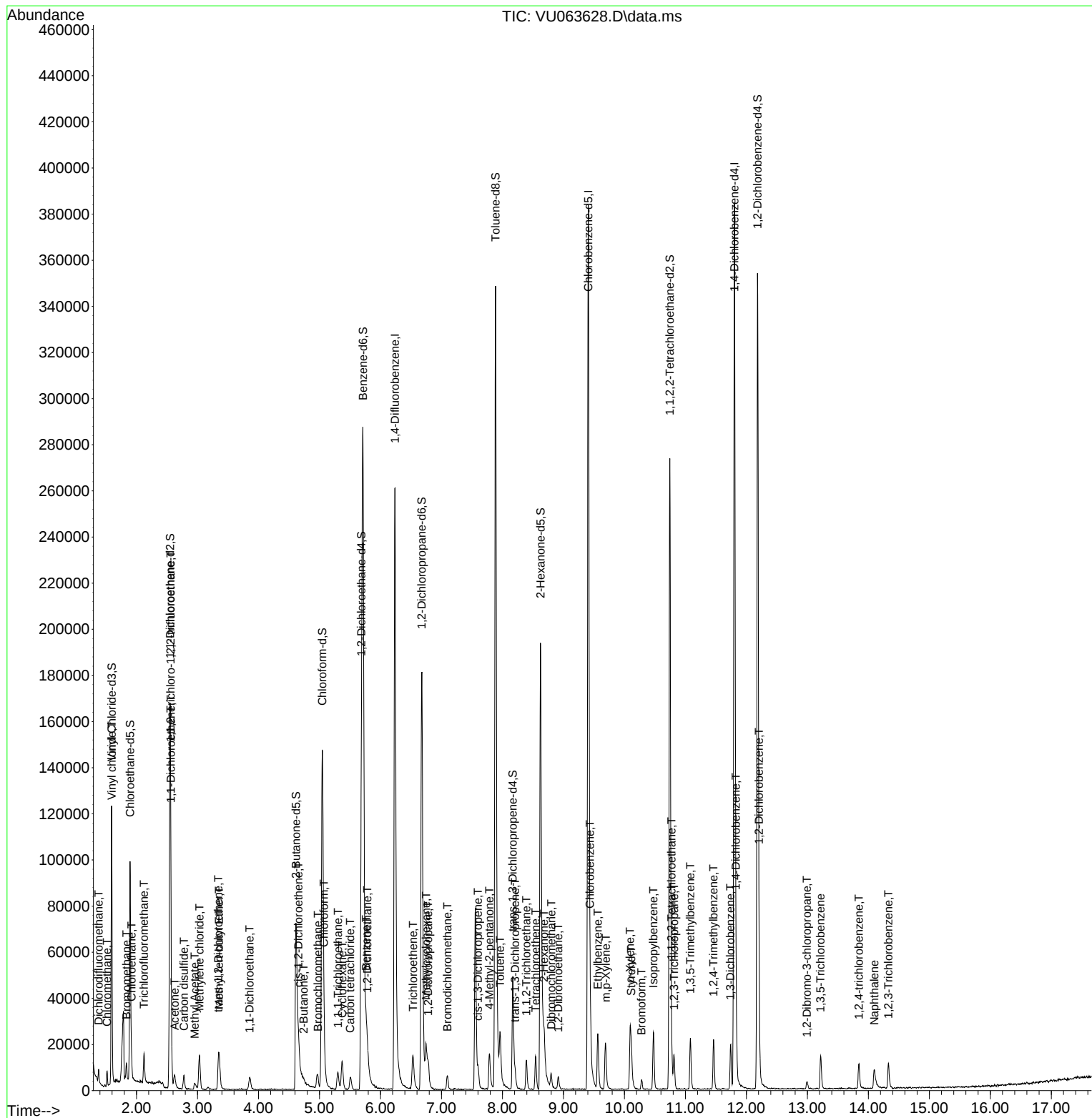
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	6463	2.561	ug/L	97
29) Cyclohexane	5.374	56	6295	2.421	ug/L	91
30) 1,1,1-Trichloroethane	5.303	97	5788	2.380	ug/L	95
31) Carbon tetrachloride	5.505	117	3575	1.855	ug/L	99
33) Benzene	5.766	78	15740	2.450	ug/L	100
34) Trichloroethene	6.534	95	4254	2.364	ug/L	93
35) Methylcyclohexane	6.750	83	6085	2.369	ug/L	99
37) 1,2-Dichloropropane	6.782	63	4869m	2.736	ug/L	
38) Bromodichloromethane	7.097	83	4429	2.099	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	5317	2.299	ug/L	89
40) 4-Methyl-2-pentanone	7.785	43	11668	4.551	ug/L	99
42) Toluene	7.962	91	16587	2.355	ug/L	96
44) trans-1,3-Dichloropropene	8.206	75	4729m	2.408	ug/L	
45) 1,1,2-Trichloroethane	8.393	97	4262	2.468	ug/L	91
46) Tetrachloroethene	8.544	164	3201	2.443	ug/L	90
48) 2-Hexanone	8.682	43	16219	8.363	ug/L #	84
49) Dibromochloromethane	8.801	129	2847	1.842	ug/L	97
50) 1,2-Dibromoethane	8.914	107	4385	2.452	ug/L #	86
51) Chlorobenzene	9.438	112	11507	2.469	ug/L	99
52) Ethylbenzene	9.563	91	18369	2.359	ug/L	100
53) m,p-Xylene	9.695	106	6573	2.262	ug/L	91
54) o-Xylene	10.094	106	6254	2.160	ug/L	100
55) Styrene	10.113	104	9459	1.999	ug/L	88
57) 1,1,2,2-Tetrachloroethane	10.772	83	7629	2.614	ug/L #	98
59) Bromoform	10.280	173	1811	1.823	ug/L #	88
60) 1,2,3-Trichloropropane	10.814	75	5944	2.763	ug/L	98
61) Isopropylbenzene	10.476	105	16086	2.311	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	13185	2.304	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	13103	2.361	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	7918	2.497	ug/L	94
65) 1,4-Dichlorobenzene	11.830	146	8488	2.645	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	8554	2.743	ug/L #	94
68) 1,2-Dibromo-3-chloropr...	12.991	75	1075	2.228	ug/L #	79
69) 1,3,5-Trichlorobenzene	13.216	180	5361	2.418	ug/L	96
70) 1,2,4-trichlorobenzene	13.846	180	4319	2.359	ug/L	98
71) Naphthalene	14.097	128	12535m	2.520	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	4332	2.469	ug/L	94

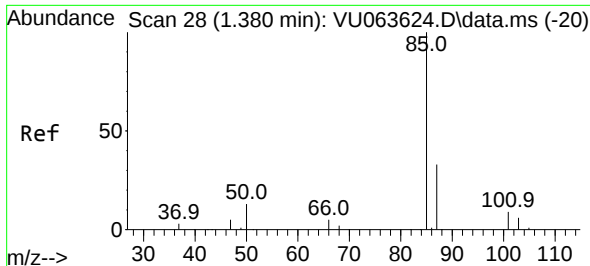
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092325\
Data File : VU063628.D
Acq On : 23 Sep 2025 11:44
Operator : MD/SY
Sample : Q2899-06
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-06

Quant Time: Sep 24 01:20:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 24 01:10:58 2025
Response via : Initial Calibration

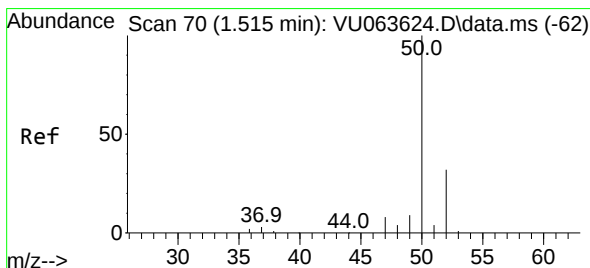
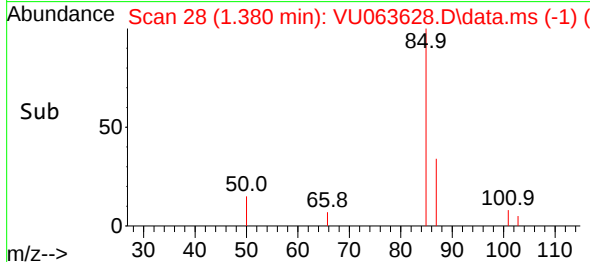
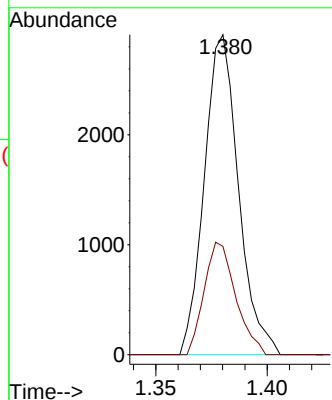
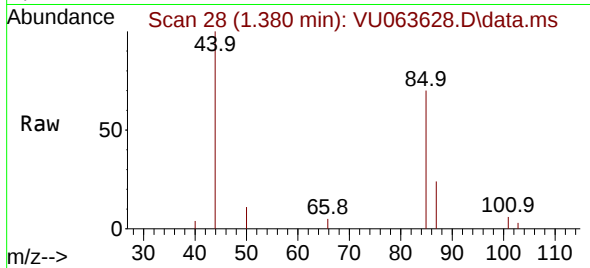




#2
 Dichlorodifluoromethane
 Concen: 2.581 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU063628.D
 Acq: 23 Sep 2025 11:44

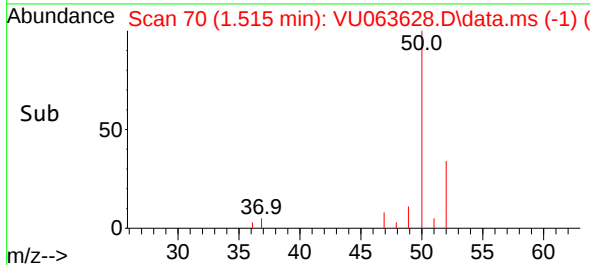
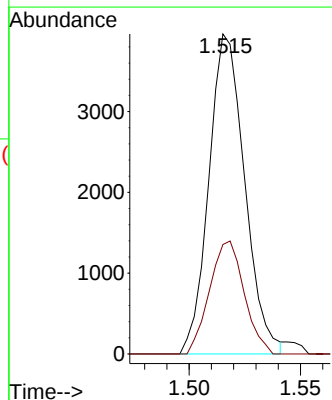
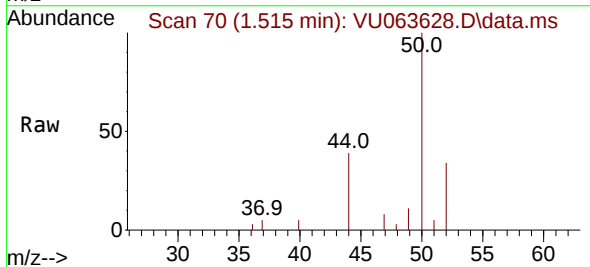
Instrument : MSVOA_U
 ClientSampleId : MDL-MED-SOIL-QT3-2025-06

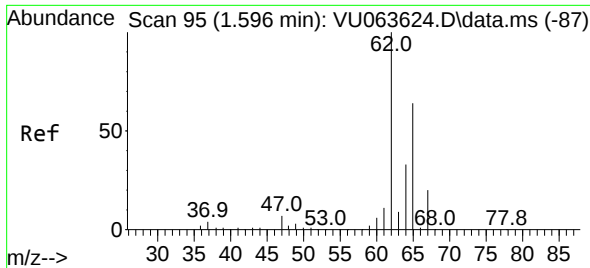
Tgt Ion: 85 Resp: 3096
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.5 38.3



#3
 Chloromethane
 Concen: 2.861 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU063628.D
 Acq: 23 Sep 2025 11:44

Tgt Ion: 50 Resp: 4424
 Ion Ratio Lower Upper
 50 100
 52 34.2 22.2 41.2

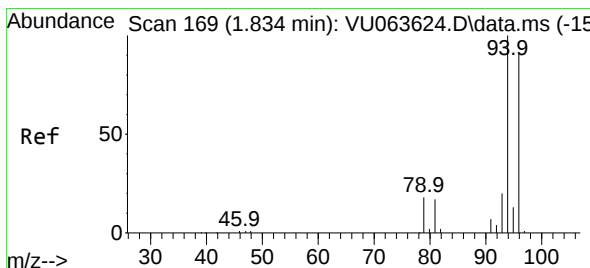
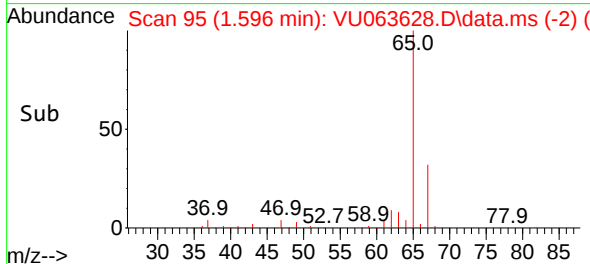
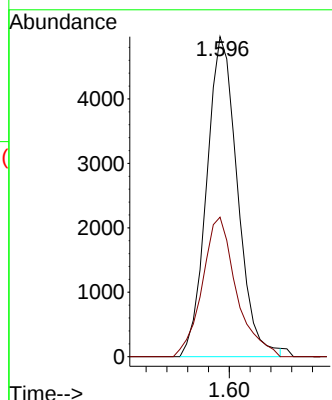
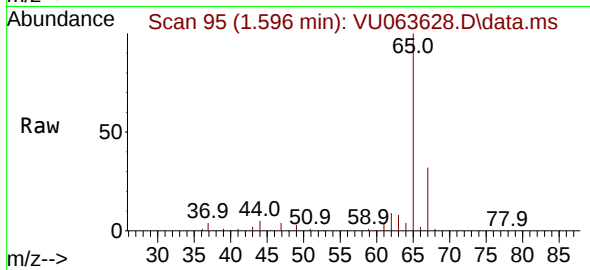




#5
 Vinyl chloride
 Concen: 2.783 ug/L
 RT: 1.596 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU063628.D
 Acq: 23 Sep 2025 11:44

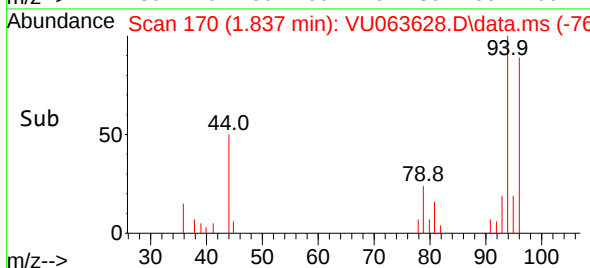
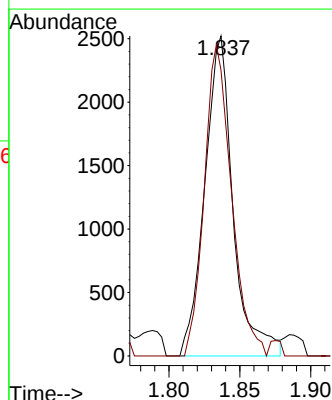
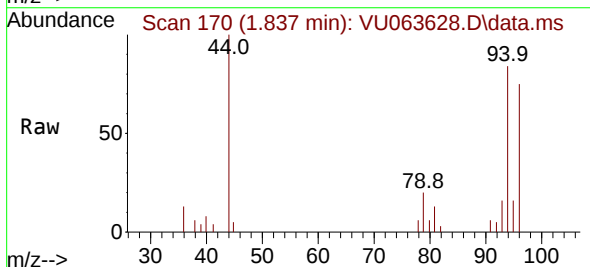
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2025-06

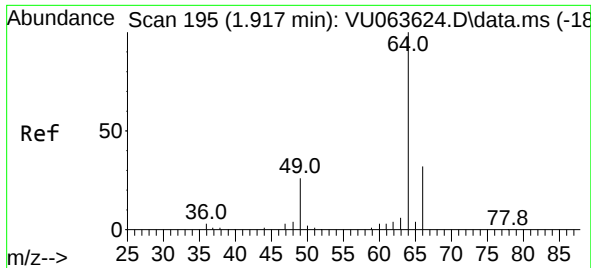
Tgt Ion: 62 Resp: 5121
 Ion Ratio Lower Upper
 62 100
 64 43.6 22.5 41.7#



#6
 Bromomethane
 Concen: 3.009 ug/L
 RT: 1.837 min Scan# 170
 Delta R.T. 0.003 min
 Lab File: VU063628.D
 Acq: 23 Sep 2025 11:44

Tgt Ion: 94 Resp: 3508
 Ion Ratio Lower Upper
 94 100
 96 89.3 65.7 122.1

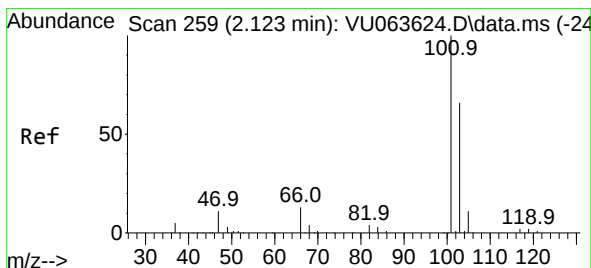
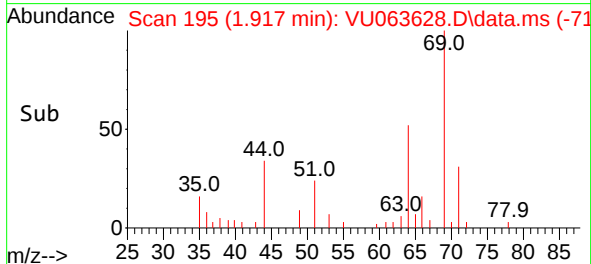
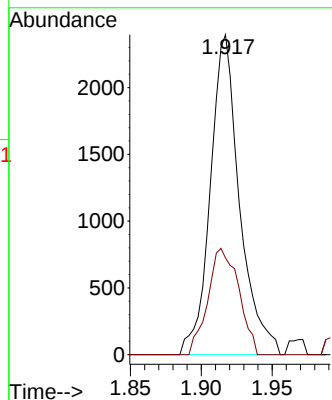
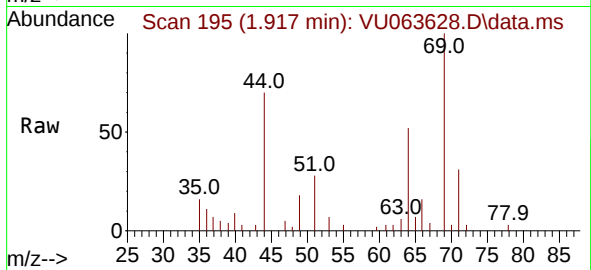




#8
Chloroethane
Concen: 2.762 ug/L
RT: 1.917 min Scan# 195
Delta R.T. -0.000 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

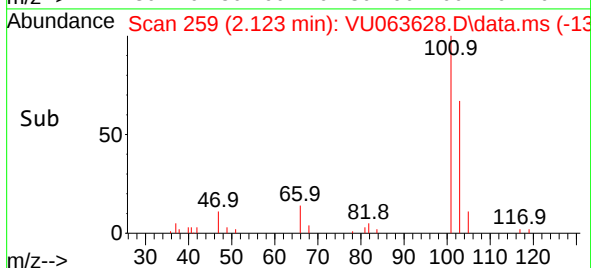
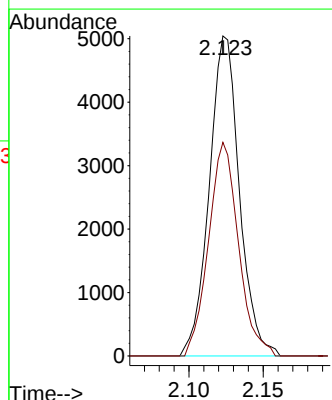
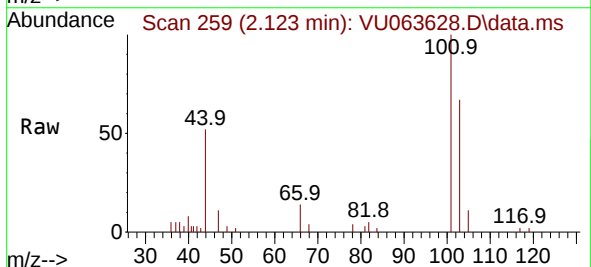
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-06

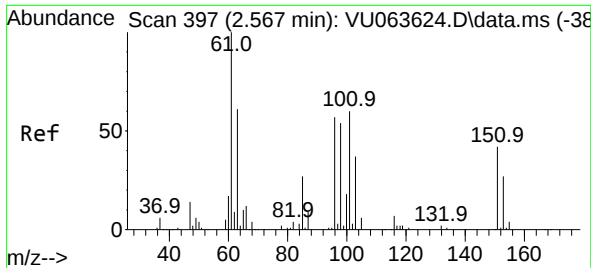
Tgt Ion: 64 Resp: 3443
Ion Ratio Lower Upper
64 100
66 30.3 22.8 42.4



#9
Trichlorofluoromethane
Concen: 2.658 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.000 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion: 101 Resp: 7127
Ion Ratio Lower Upper
101 100
103 66.3 51.1 76.7

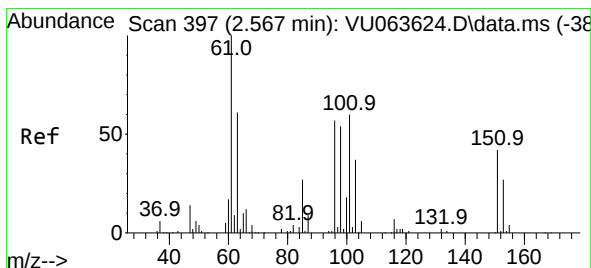
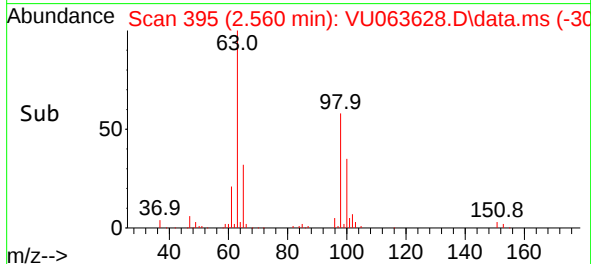
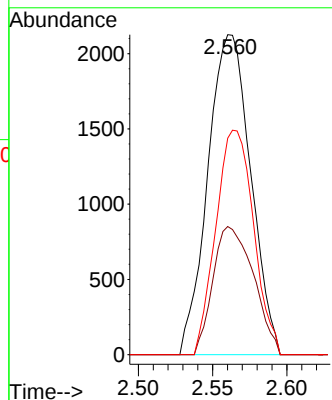
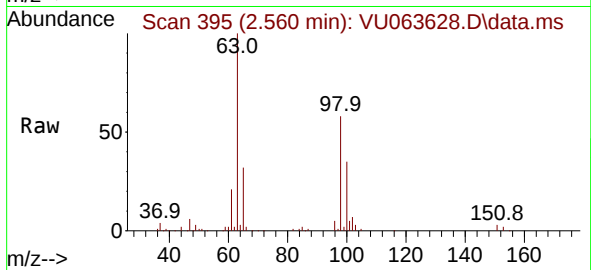




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.891 ug/L
 RT: 2.560 min Scan# 395
 Delta R.T. -0.006 min
 Lab File: VU063628.D
 Acq: 23 Sep 2025 11:44

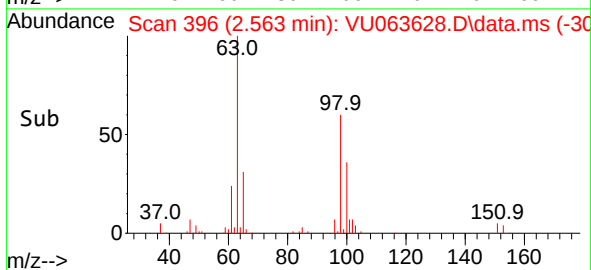
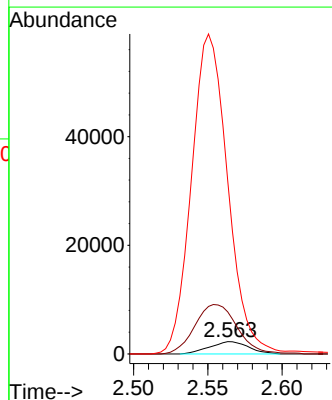
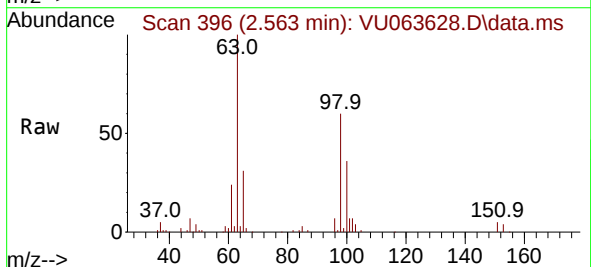
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2025-06

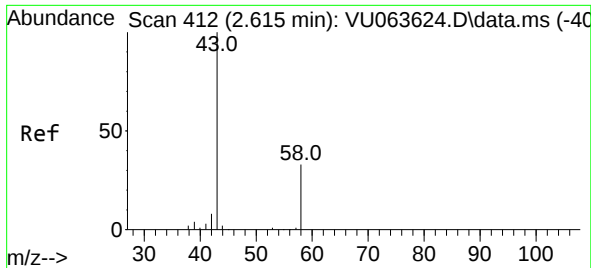
Tgt Ion:101 Resp: 4264
 Ion Ratio Lower Upper
 101 100
 85 37.9 36.8 55.2
 151 61.9 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 3.167 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063628.D
 Acq: 23 Sep 2025 11:44

Tgt Ion: 96 Resp: 4155
 Ion Ratio Lower Upper
 96 100
 61 340.1 121.4 225.4#
 63 1400.4 81.5 151.3#





#13

Acetone

Concen: 5.326 ug/L

RT: 2.624 min Scan# 41

Delta R.T. 0.010 min

Lab File: VU063628.D

Acq: 23 Sep 2025 11:44

Instrument :

MSVOA_U

ClientSampleId :

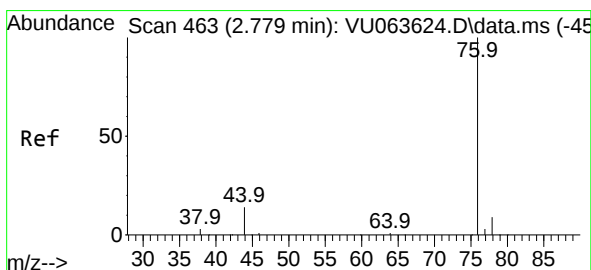
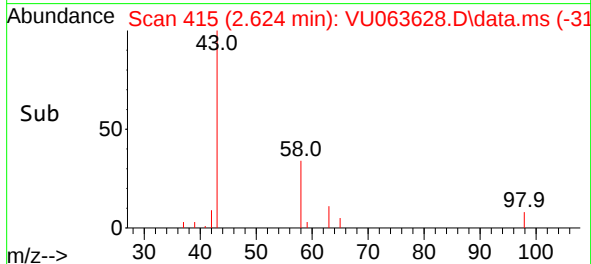
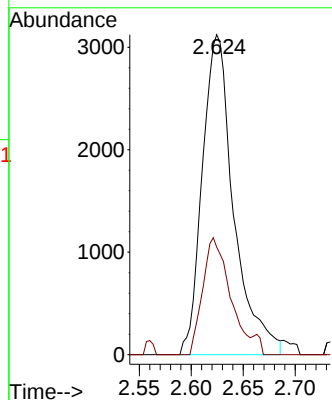
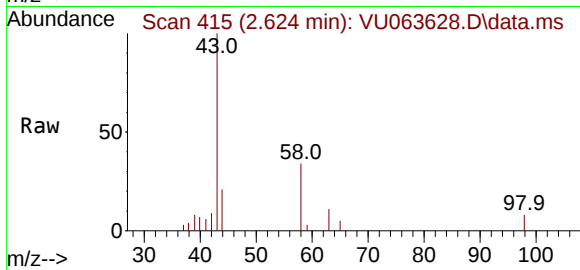
MDL-MED-SOIL-QT3-2025-06

Tgt Ion: 43 Resp: 6555

Ion Ratio Lower Upper

43 100

58 31.6 0.0 62.4



#14

Carbon disulfide

Concen: 2.356 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.000 min

Lab File: VU063628.D

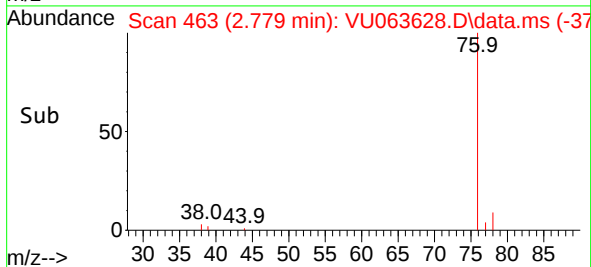
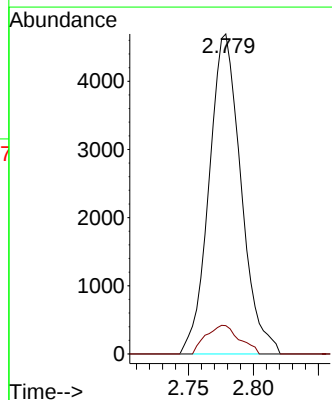
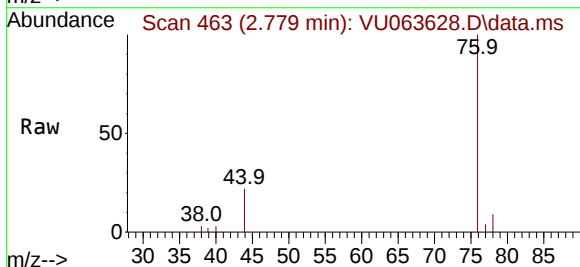
Acq: 23 Sep 2025 11:44

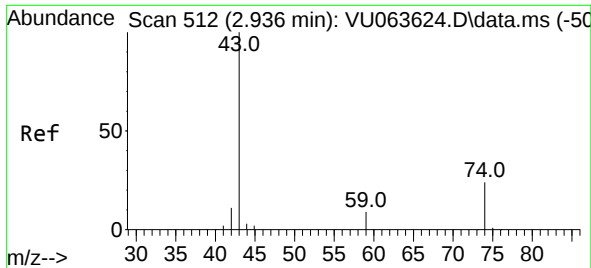
Tgt Ion: 76 Resp: 8021

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2

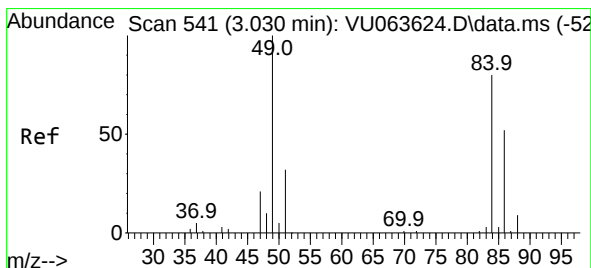
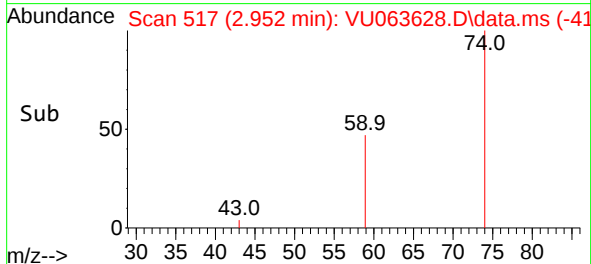
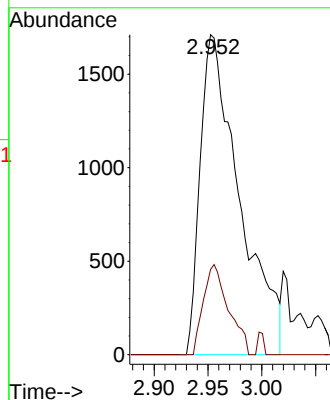
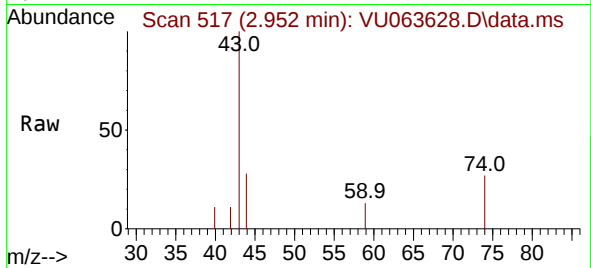




#15
Methyl Acetate
Concen: 2.385 ug/L m
RT: 2.952 min Scan# 51
Delta R.T. 0.016 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

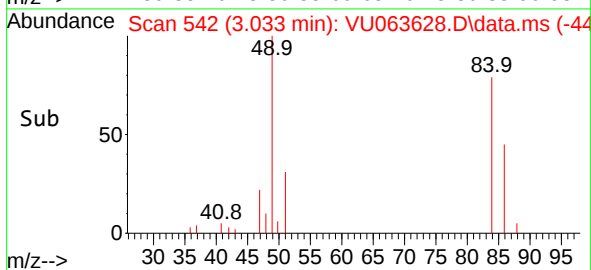
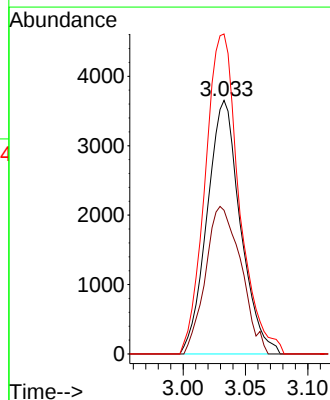
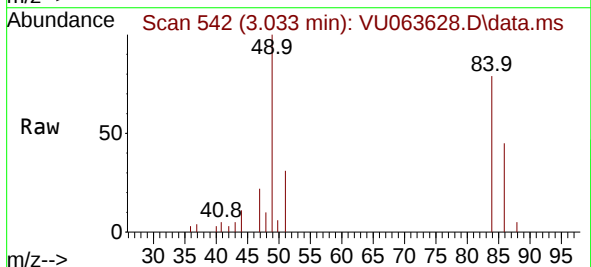
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-06

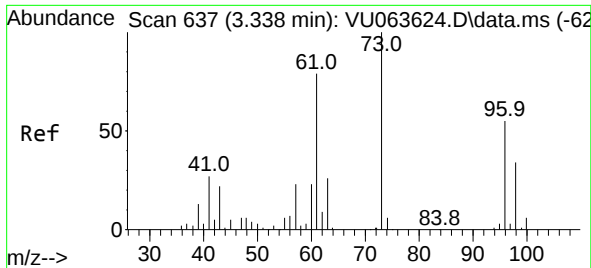
Tgt Ion: 43 Resp: 4354
Ion Ratio Lower Upper
43 100
74 18.0 18.0 27.0



#16
Methylene chloride
Concen: 4.101 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.003 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion: 84 Resp: 6803
Ion Ratio Lower Upper
84 100
86 56.7 47.2 87.6
49 126.2 90.2 167.4

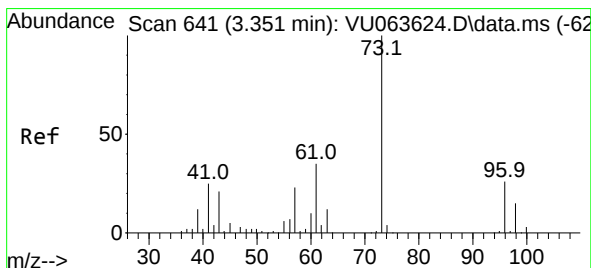
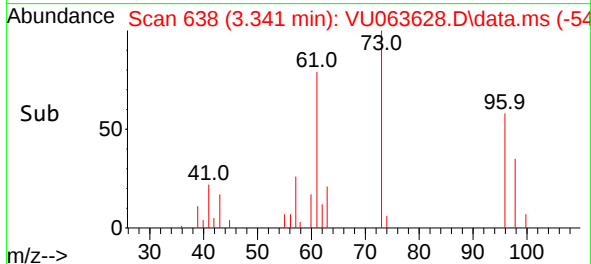
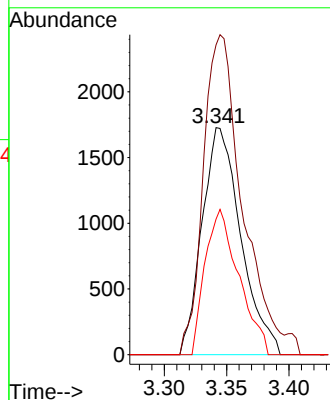
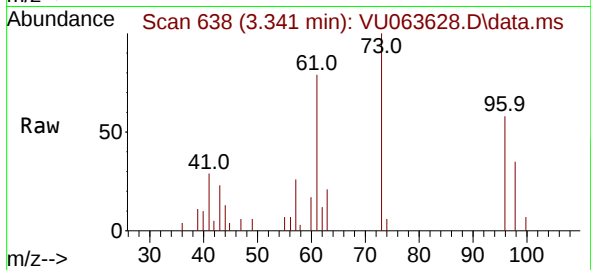




#17
trans-1,2-Dichloroethene
Concen: 2.648 ug/L
RT: 3.341 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

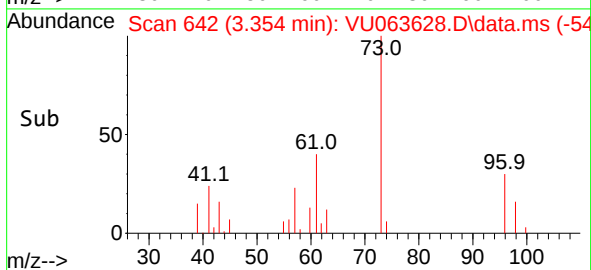
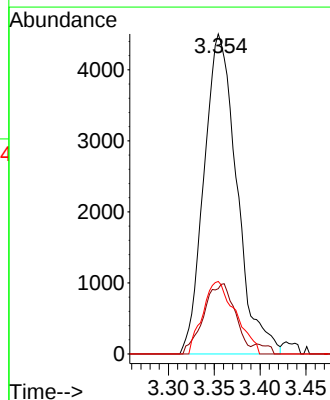
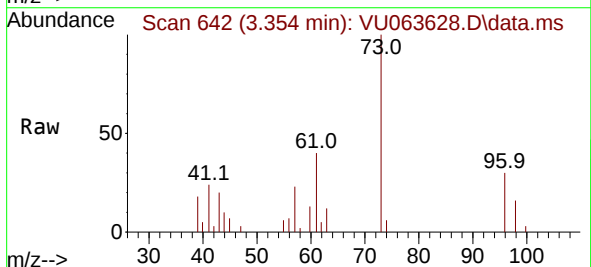
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-06

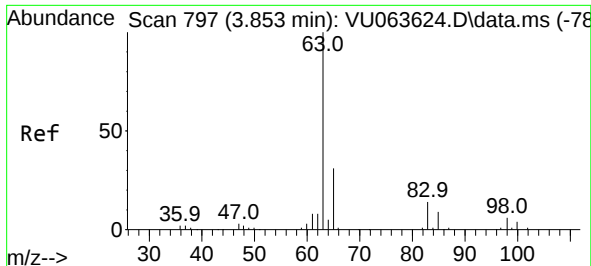
Tgt Ion: 96 Resp: 3741
Ion Ratio Lower Upper
96 100
61 136.4 102.2 189.8
98 59.7 43.7 81.1



#18
Methyl tert-butyl Ether
Concen: 2.449 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion: 73 Resp: 11192
Ion Ratio Lower Upper
73 100
43 9.1 16.5 24.7#
57 22.6 17.8 26.6

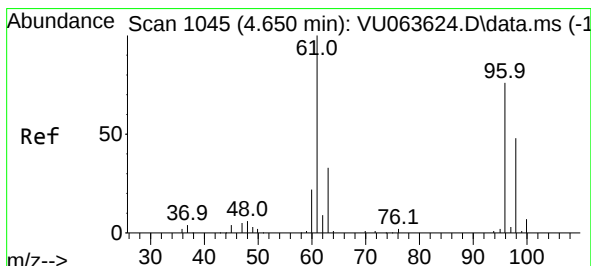
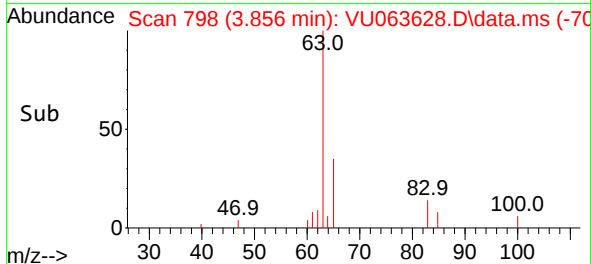
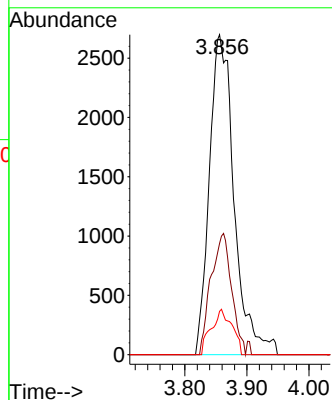
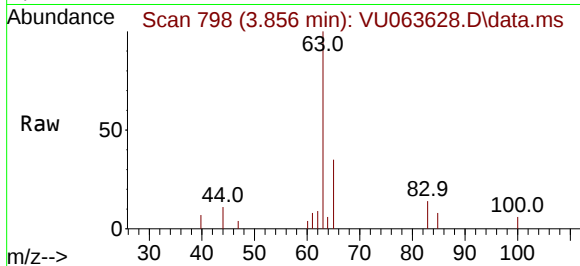




#19
1,1-Dichloroethane
Concen: 2.597 ug/L m
RT: 3.856 min Scan# 797
Delta R.T. 0.003 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

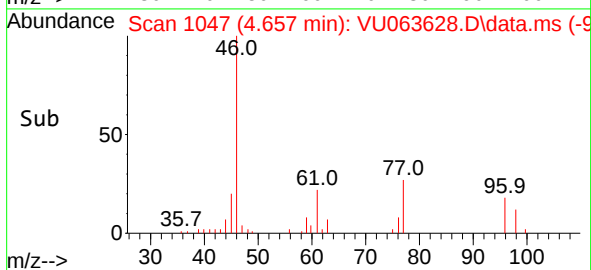
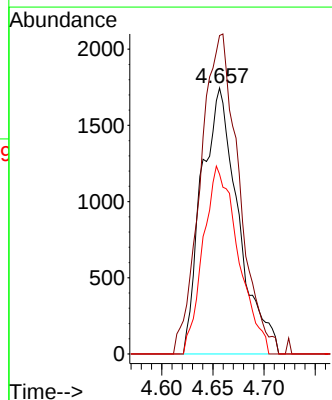
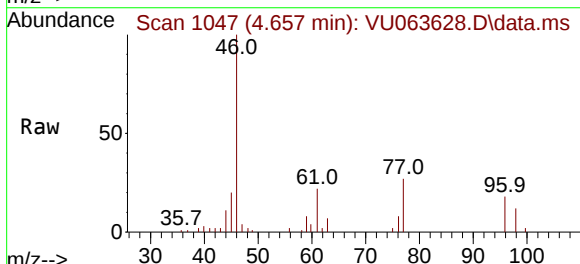
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-06

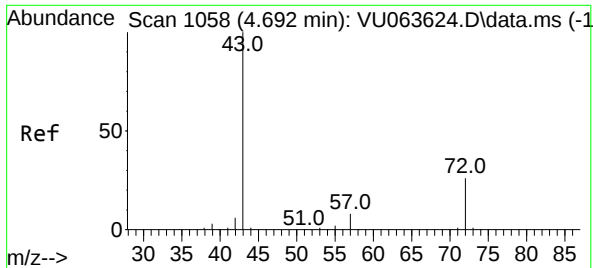
Tgt Ion:	63	Resp:	7470
Ion	Ratio	Lower	Upper
63	100		
65	34.7	23.0	42.8
83	13.6	9.7	17.9



#20
cis-1,2-Dichloroethene
Concen: 2.638 ug/L m
RT: 4.657 min Scan# 1047
Delta R.T. 0.006 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion:	96	Resp:	4364
Ion	Ratio	Lower	Upper
96	100		
61	119.8	95.5	177.3
98	67.6	46.1	85.7

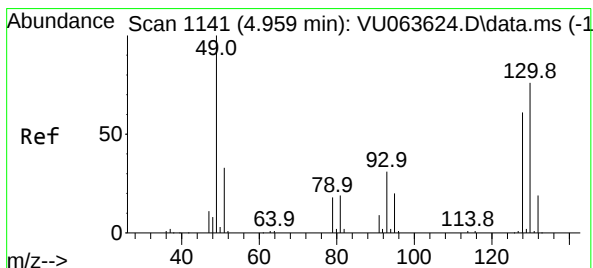
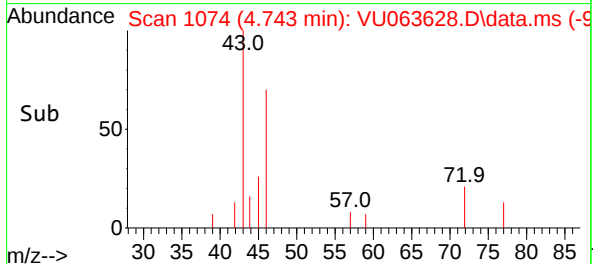
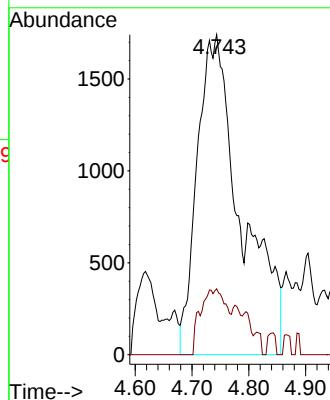
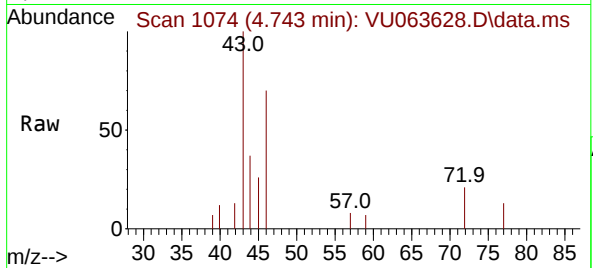




#22
2-Butanone
Concen: 6.593 ug/L m
RT: 4.743 min Scan# 1074
Delta R.T. 0.051 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

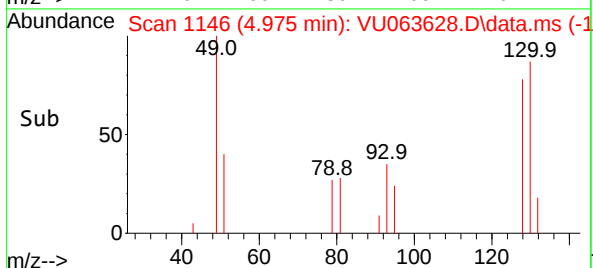
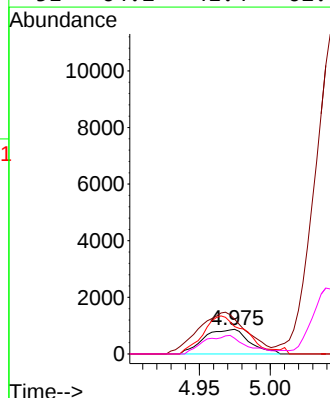
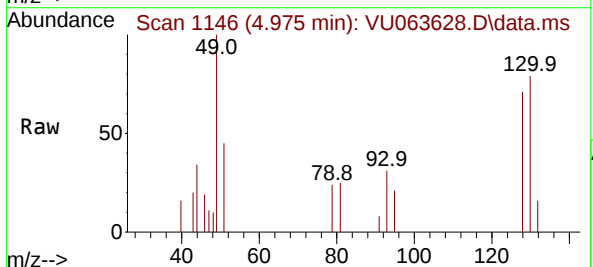
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-06

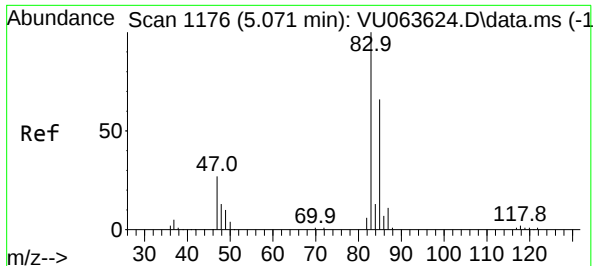
Tgt Ion: 43 Resp: 9378
Ion Ratio Lower Upper
43 100
72 0.5 12.7 38.1#



#23
Bromochloromethane
Concen: 2.239 ug/L
RT: 4.975 min Scan# 1146
Delta R.T. 0.016 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion:128 Resp: 1941
Ion Ratio Lower Upper
128 100
49 141.4 116.6 216.5
130 111.4 85.6 159.0
51 64.2 41.4 62.0#





#25

Chloroform

Concen: 2.930 ug/L

RT: 5.074 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VU063628.D

Acq: 23 Sep 2025 11:44

Instrument :

MSVOA_U

ClientSampleId :

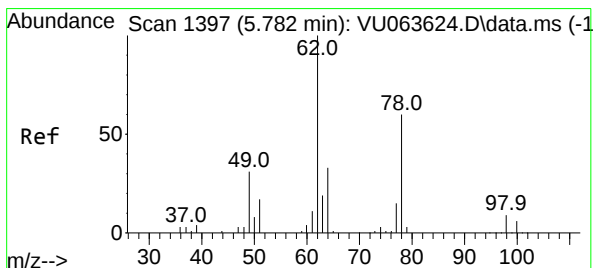
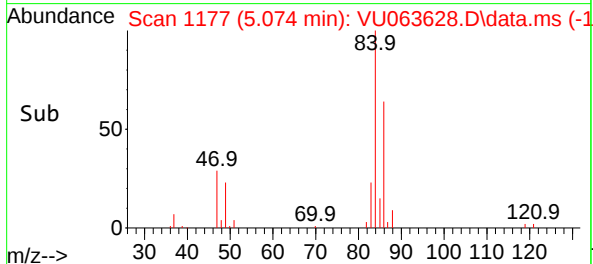
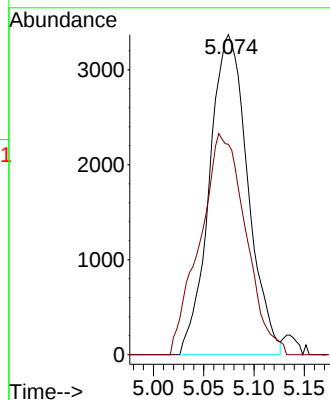
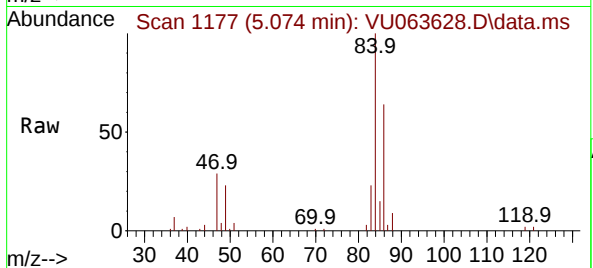
MDL-MED-SOIL-QT3-2025-06

Tgt Ion: 83 Resp: 8948

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.7



#27

1,2-Dichloroethane

Concen: 2.561 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VU063628.D

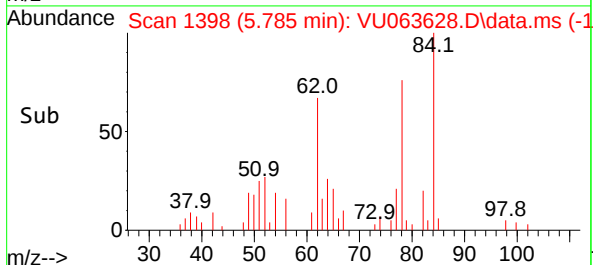
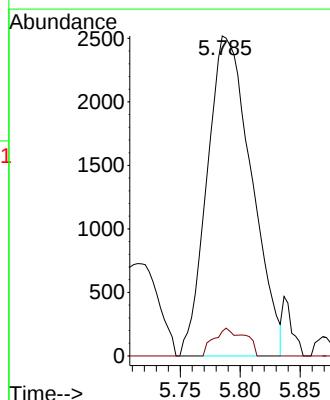
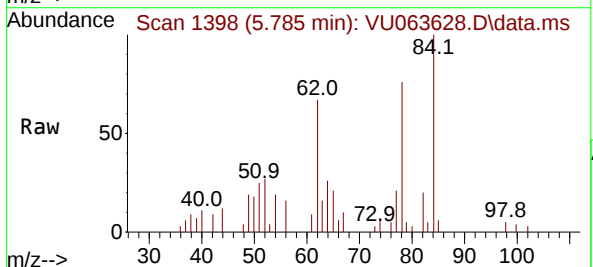
Acq: 23 Sep 2025 11:44

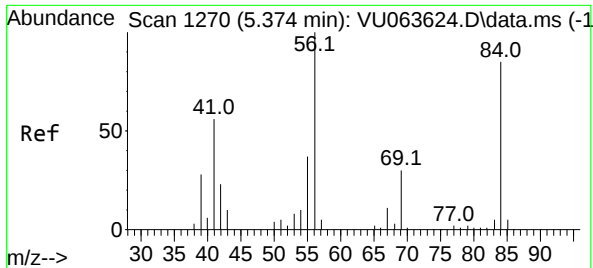
Tgt Ion: 62 Resp: 6463

Ion Ratio Lower Upper

62 100

98 7.7 7.1 10.7





#29

Cyclohexane

Concen: 2.421 ug/L

RT: 5.374 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU063628.D

Acq: 23 Sep 2025 11:44

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2025-06

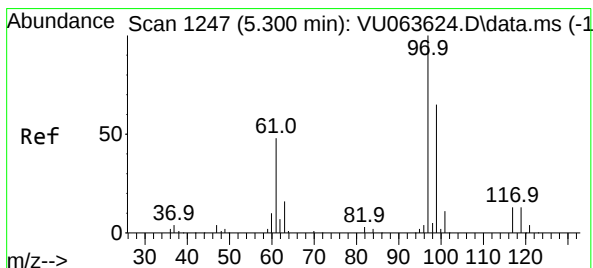
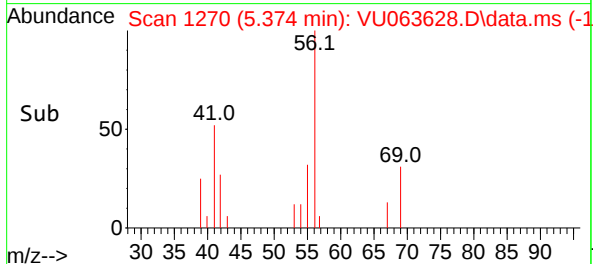
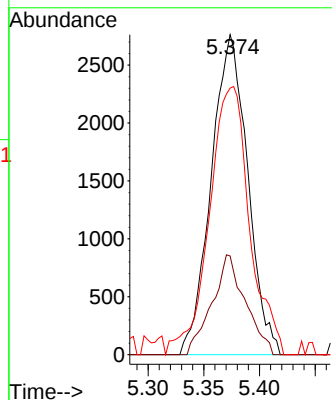
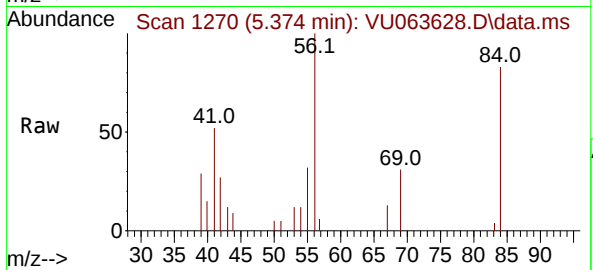
Tgt Ion: 56 Resp: 6295

Ion Ratio Lower Upper

56 100

69 28.5 24.0 36.0

84 91.7 65.7 98.5



#30

1,1,1-Trichloroethane

Concen: 2.380 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VU063628.D

Acq: 23 Sep 2025 11:44

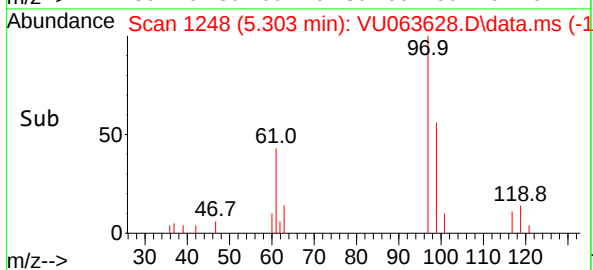
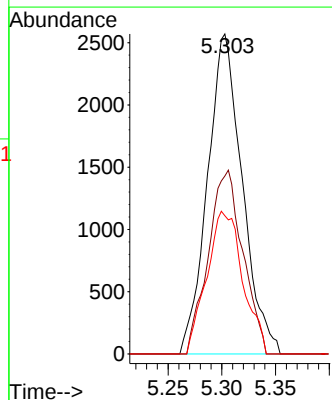
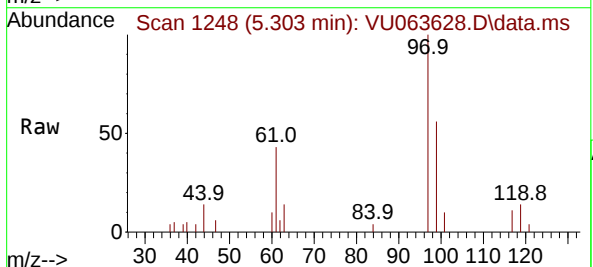
Tgt Ion: 97 Resp: 5788

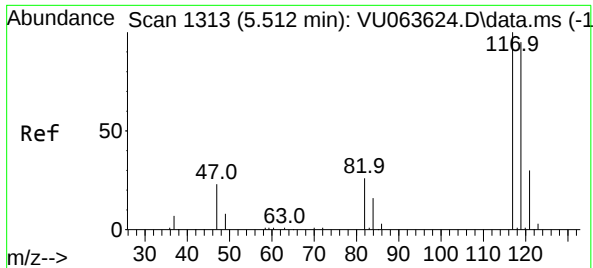
Ion Ratio Lower Upper

97 100

99 57.0 50.6 75.8

61 46.1 38.0 57.0

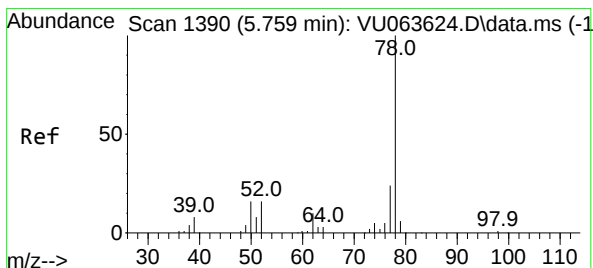
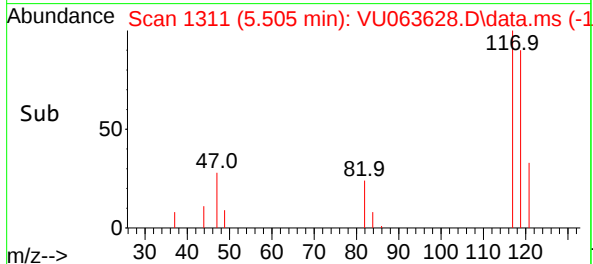
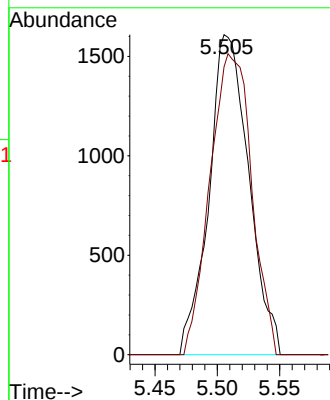
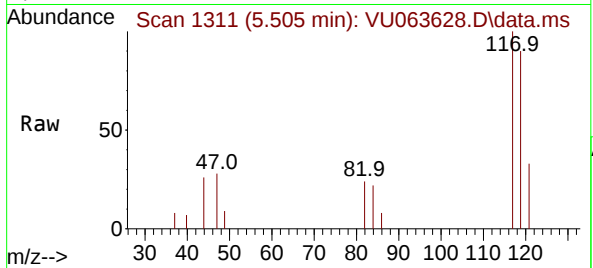




#31
Carbon tetrachloride
Concen: 1.855 ug/L
RT: 5.505 min Scan# 117
Delta R.T. -0.006 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

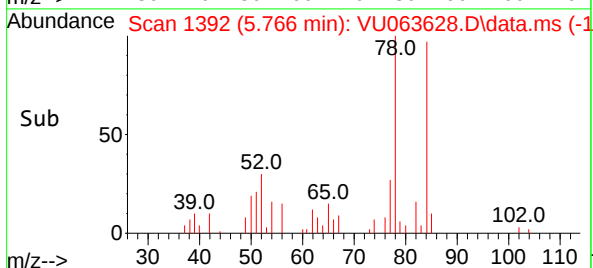
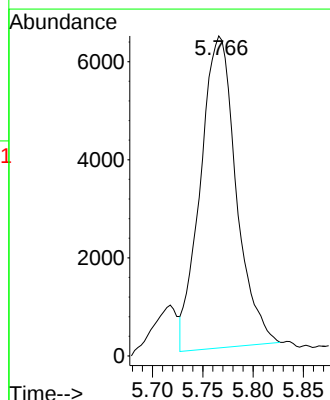
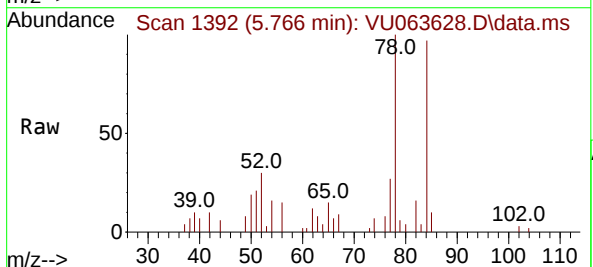
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-06

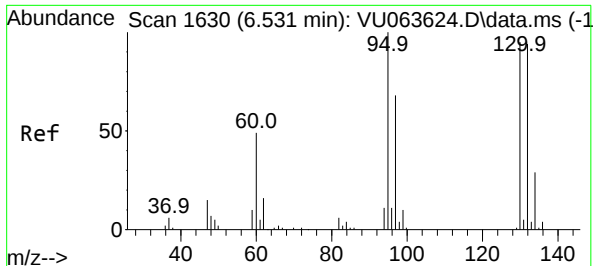
Tgt Ion:117 Resp: 3575
Ion Ratio Lower Upper
117 100
119 98.6 77.8 116.6



#33
Benzene
Concen: 2.450 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion: 78 Resp: 15740





#34

Trichloroethene

Concen: 2.364 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063628.D

Acq: 23 Sep 2025 11:44

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2025-06

Tgt Ion: 95 Resp: 4254

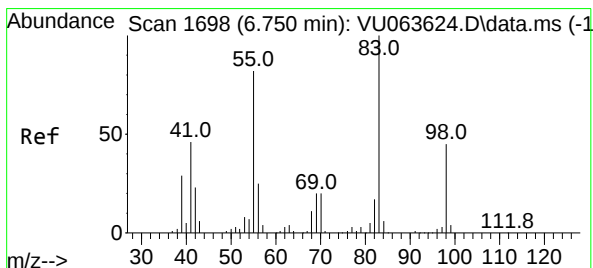
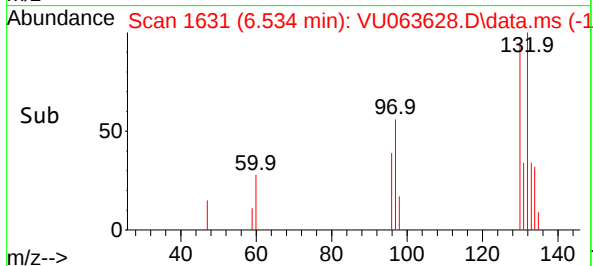
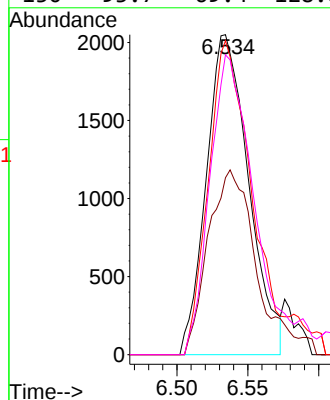
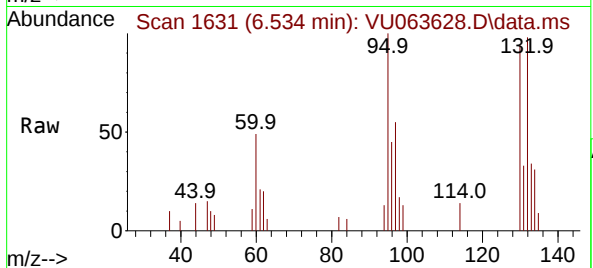
Ion Ratio Lower Upper

95 100

97 55.3 46.6 86.6

132 98.1 66.8 124.2

130 93.7 69.4 128.8



#35

Methylcyclohexane

Concen: 2.369 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VU063628.D

Acq: 23 Sep 2025 11:44

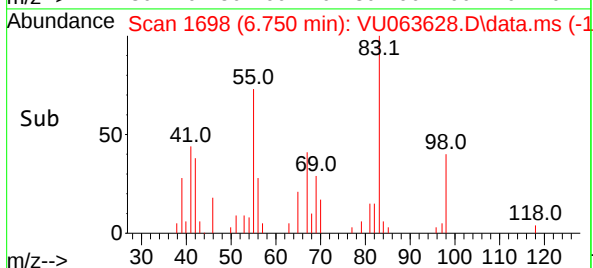
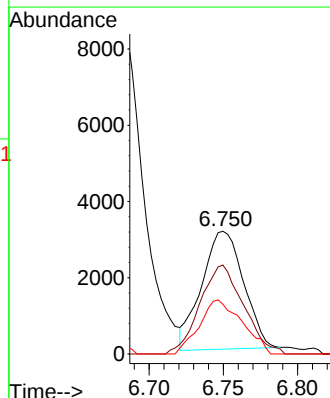
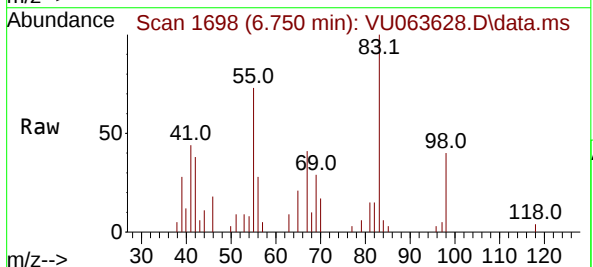
Tgt Ion: 83 Resp: 6085

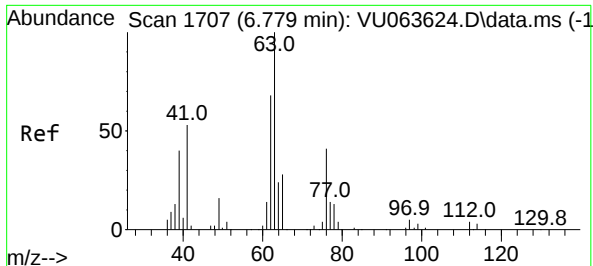
Ion Ratio Lower Upper

83 100

55 78.0 63.4 95.0

98 46.5 37.3 55.9

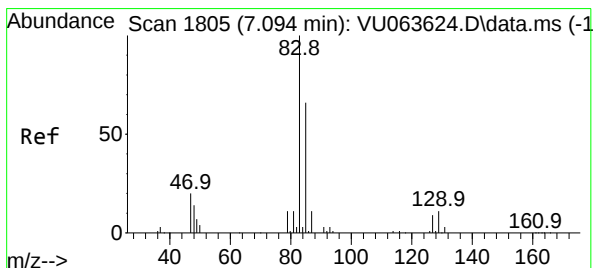
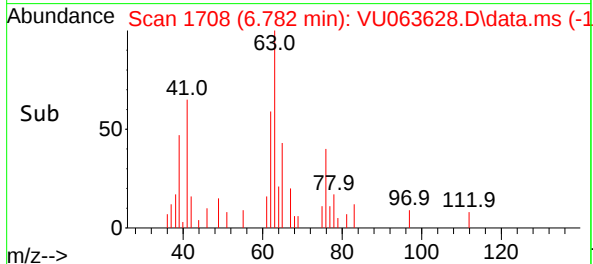
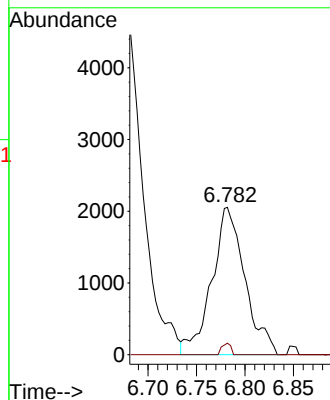
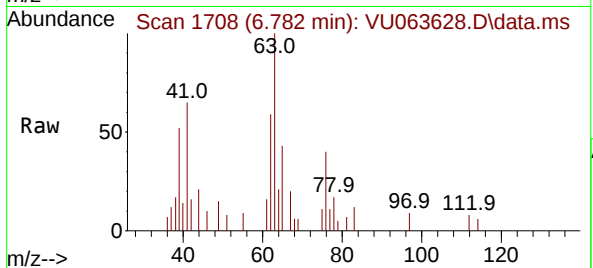




#37
1,2-Dichloropropane
Concen: 2.736 ug/L m
RT: 6.782 min Scan# 1707
Delta R.T. 0.003 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

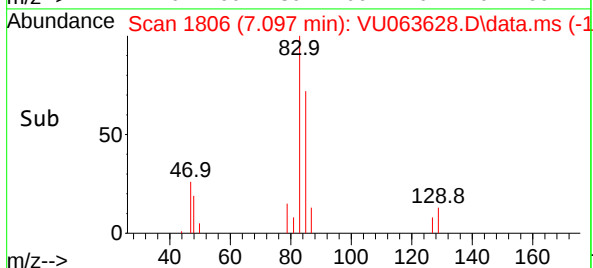
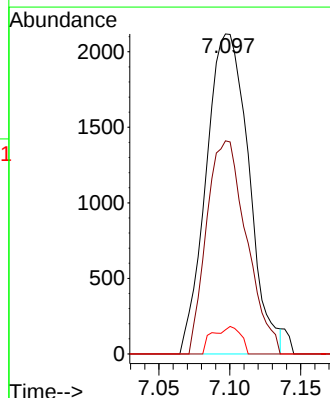
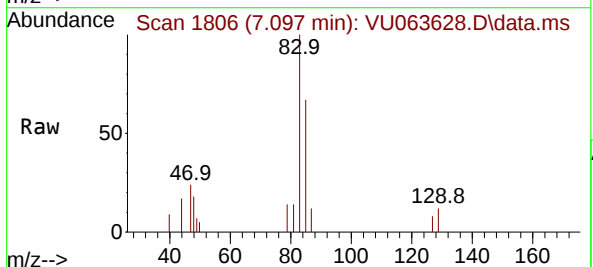
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-06

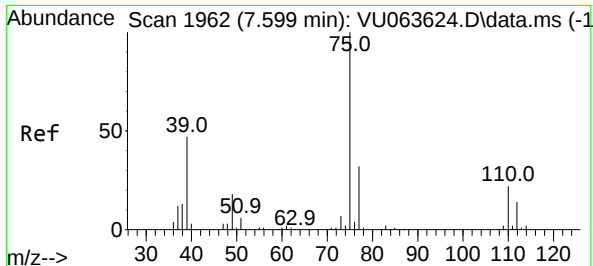
Tgt Ion: 63 Resp: 4869
Ion Ratio Lower Upper
63 100
112 2.1 3.0 4.6#



#38
Bromodichloromethane
Concen: 2.099 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.003 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion: 83 Resp: 4429
Ion Ratio Lower Upper
83 100
85 66.6 45.9 85.3
127 7.6 6.7 10.1

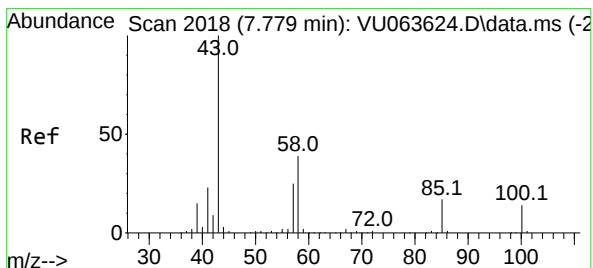
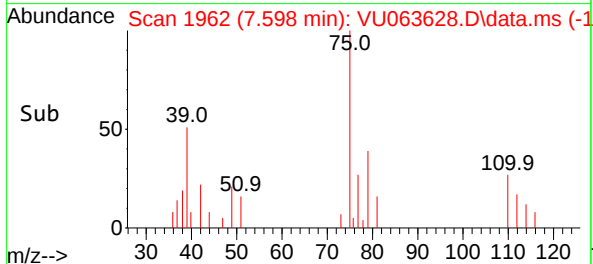
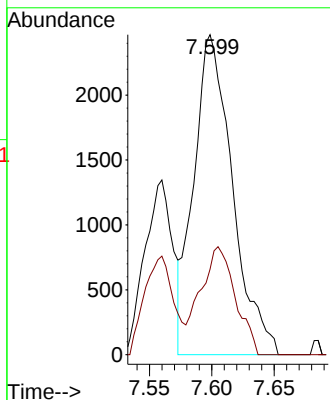
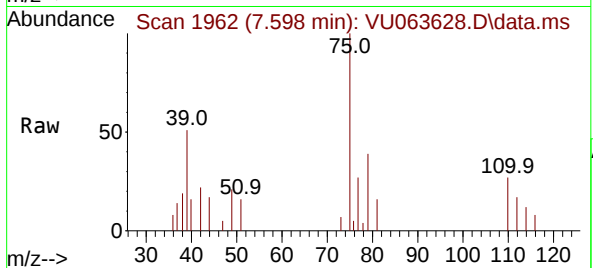




#39
 cis-1,3-Dichloropropene
 Concen: 2.299 ug/L
 RT: 7.598 min Scan# 1962
 Delta R.T. -0.000 min
 Lab File: VU063628.D
 Acq: 23 Sep 2025 11:44

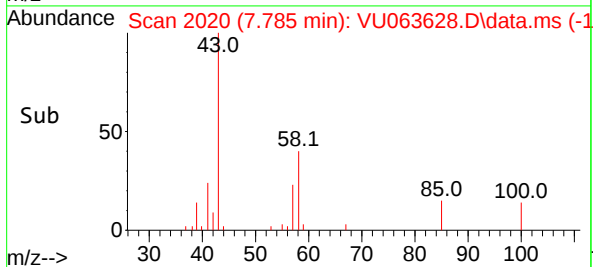
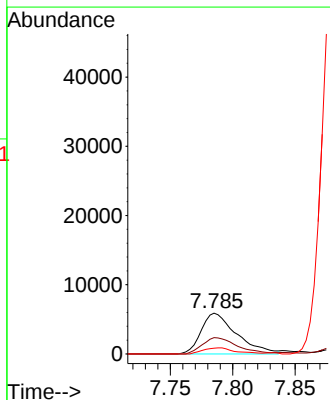
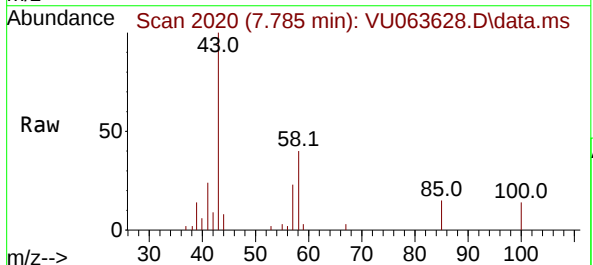
Instrument : MSVOA_U
 ClientSampleId : MDL-MED-SOIL-QT3-2025-06

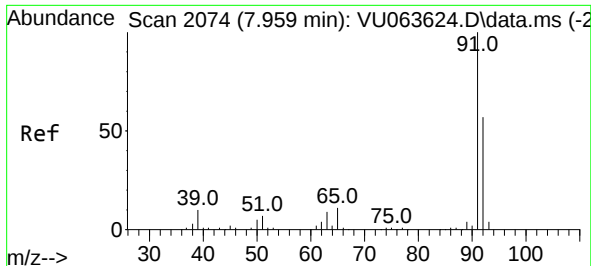
Tgt Ion: 75 Resp: 5317
 Ion Ratio Lower Upper
 75 100
 77 25.5 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 4.551 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.006 min
 Lab File: VU063628.D
 Acq: 23 Sep 2025 11:44

Tgt Ion: 43 Resp: 11668
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.9 46.3
 100 13.6 11.4 17.2





#42

Toluene

Concen: 2.355 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063628.D

Acq: 23 Sep 2025 11:44

Instrument :

MSVOA_U

ClientSampleId :

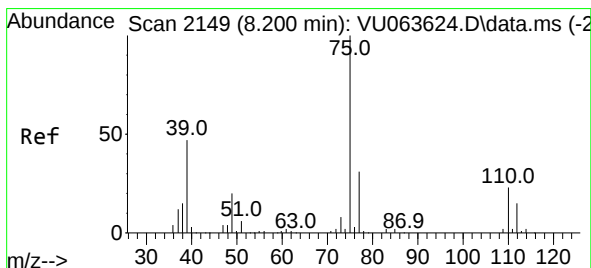
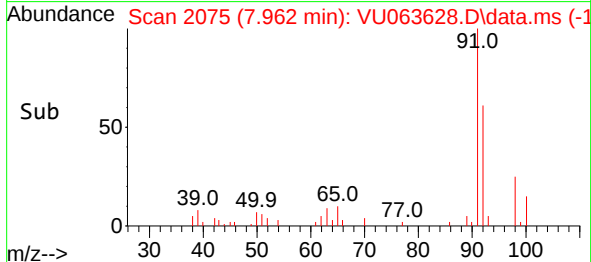
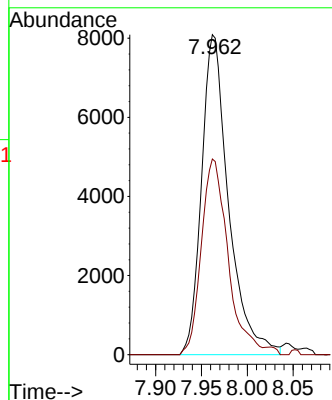
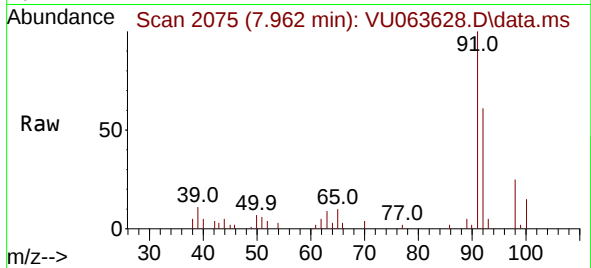
MDL-MED-SOIL-QT3-2025-06

Tgt Ion: 91 Resp: 16587

Ion Ratio Lower Upper

91 100

92 61.1 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 2.408 ug/L m

RT: 8.206 min Scan# 2151

Delta R.T. 0.006 min

Lab File: VU063628.D

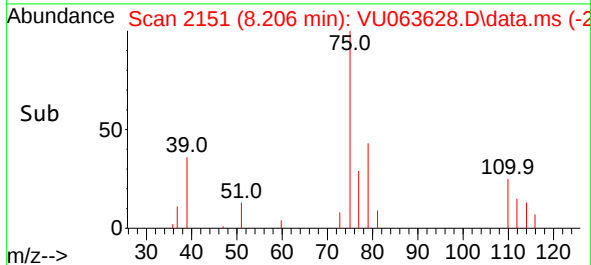
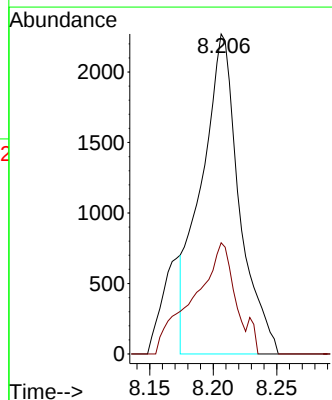
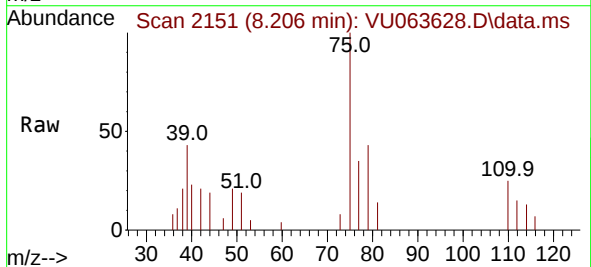
Acq: 23 Sep 2025 11:44

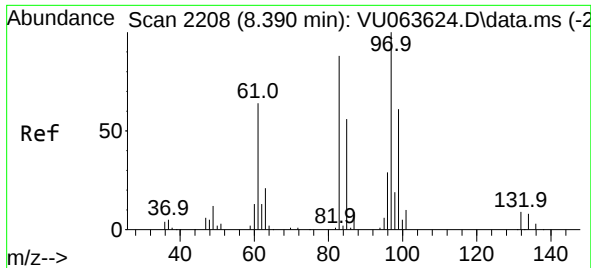
Tgt Ion: 75 Resp: 4729

Ion Ratio Lower Upper

75 100

77 34.8 22.3 41.5

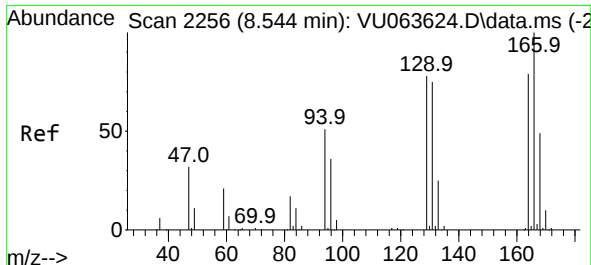
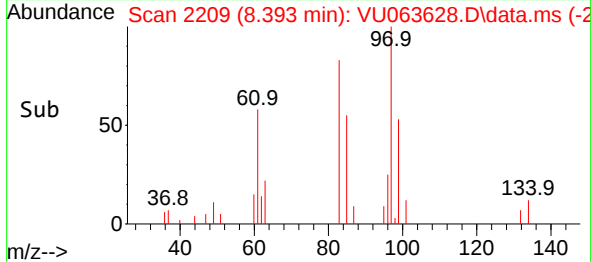
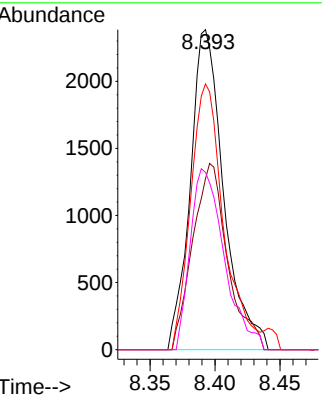
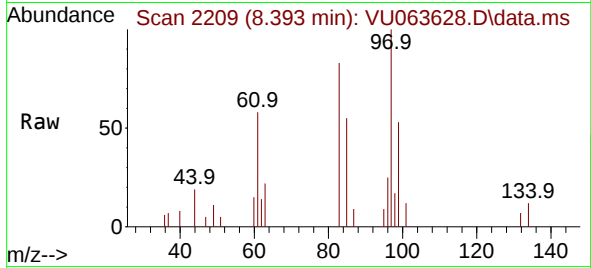




#45
1,1,2-Trichloroethane
Concen: 2.468 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

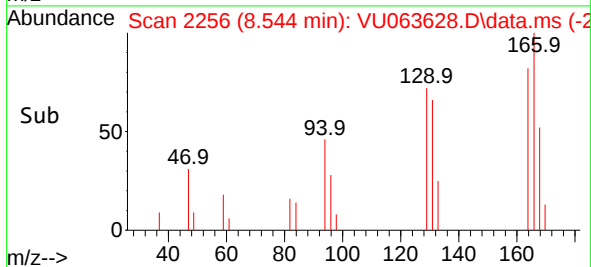
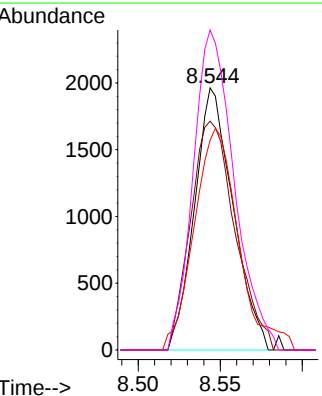
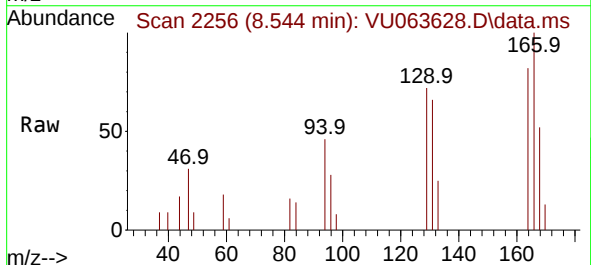
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-06

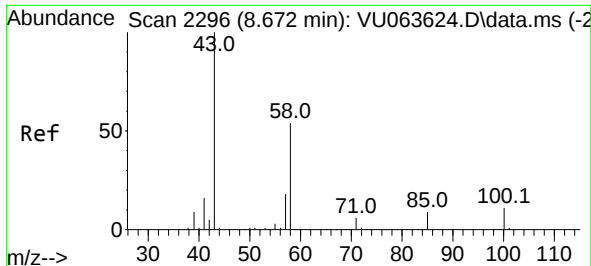
Tgt Ion:	97	Resp:	4262
Ion	Ratio	Lower	Upper
97	100		
99	53.4	45.8	85.0
83	83.1	64.4	119.6
85	55.4	40.5	75.1



#46
Tetrachloroethene
Concen: 2.443 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion:	164	Resp:	3201
Ion	Ratio	Lower	Upper
164	100		
129	87.3	67.5	125.3
131	80.1	67.0	124.4
166	122.1	90.5	168.1

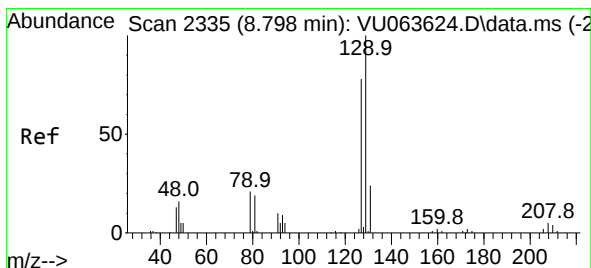
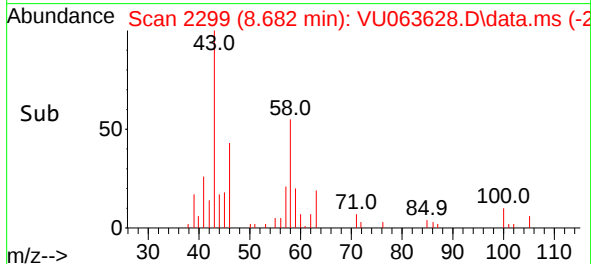
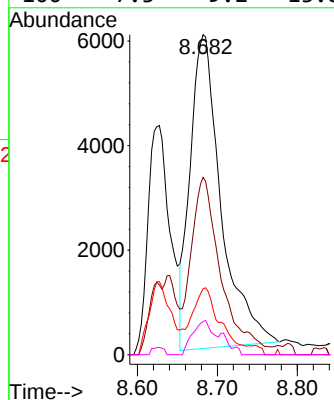
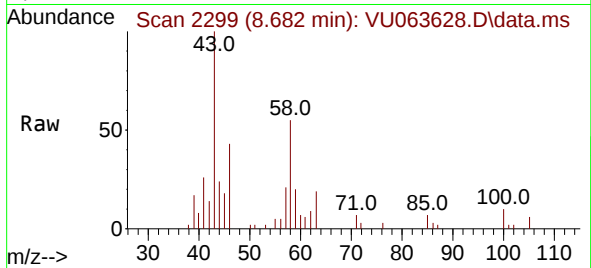




#48
2-Hexanone
Concen: 8.363 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.010 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

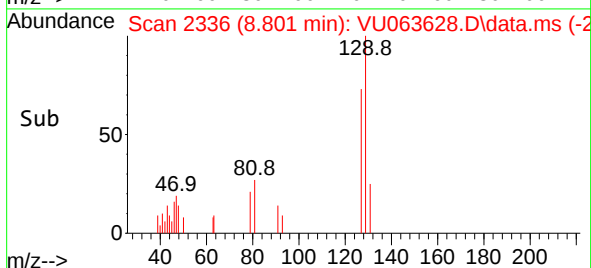
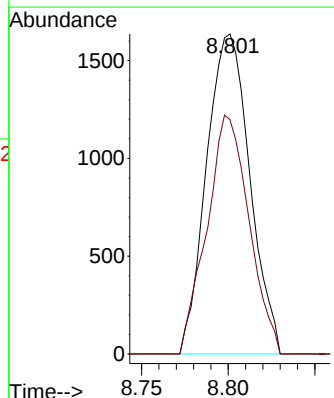
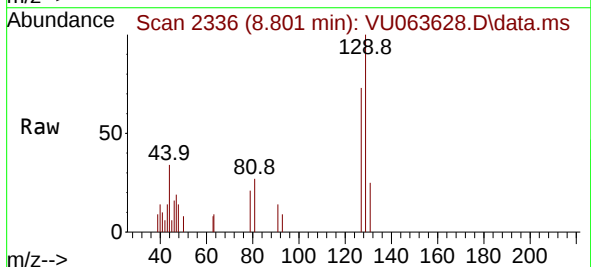
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-06

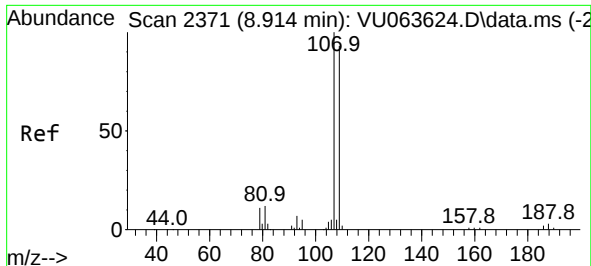
Tgt Ion: 43	Resp: 16219
Ion Ratio	Lower Upper
43 100	
58 41.9	41.7 62.5
57 7.9	14.7 22.1#
100 7.3	9.2 13.8#



#49
Dibromochloromethane
Concen: 1.842 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion:129	Resp:	2847	
Ion	Ratio	Lower	Upper
129	100		
127	73.2	53.1	98.7

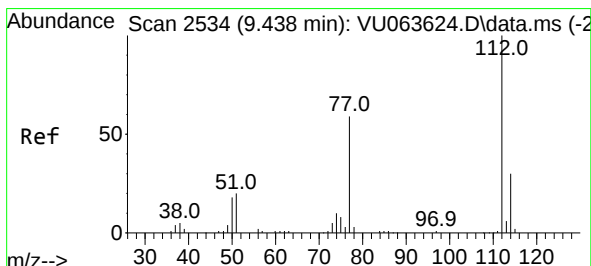
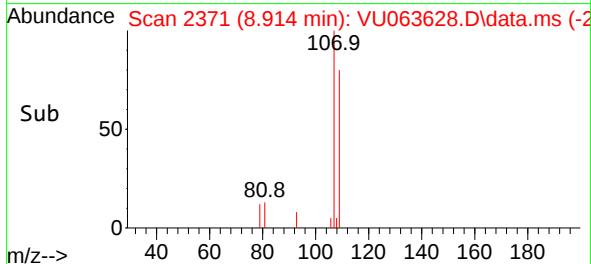
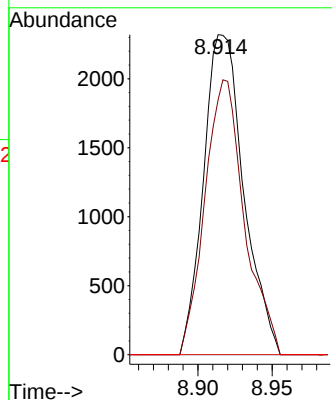
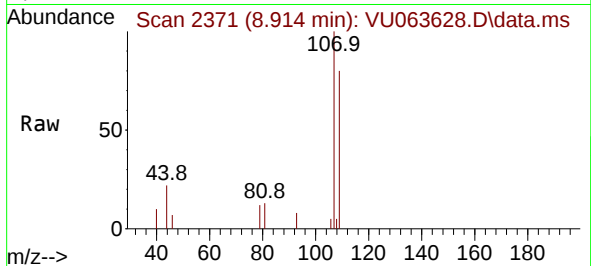




#50
1,2-Dibromoethane
Concen: 2.452 ug/L
RT: 8.914 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

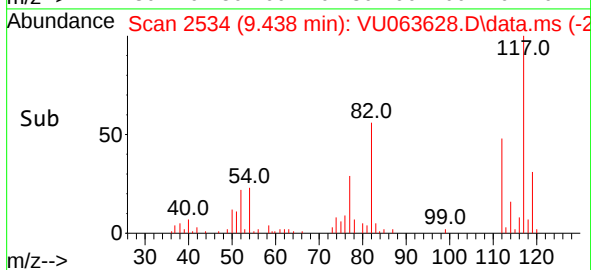
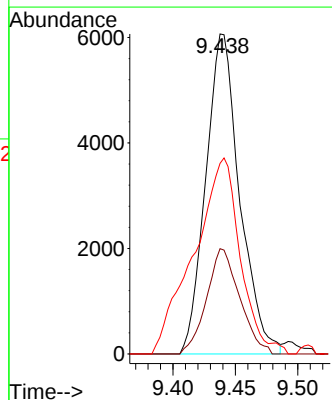
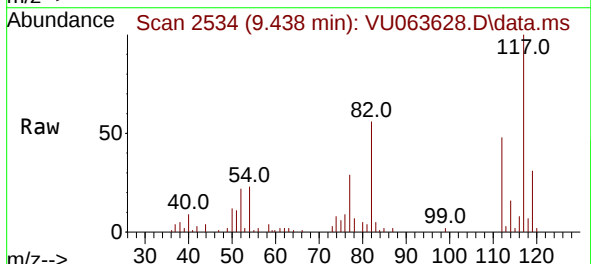
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-06

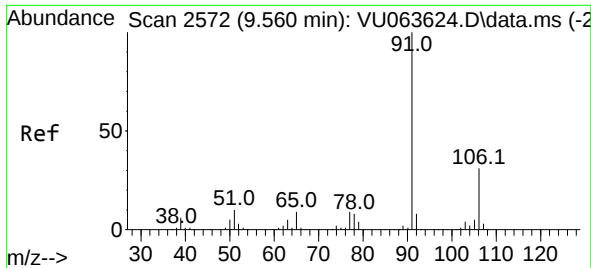
Tgt Ion:107 Resp: 4385
Ion Ratio Lower Upper
107 100
109 79.7 65.0 120.6
188 0.0 2.6 4.0#



#51
Chlorobenzene
Concen: 2.469 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion:112 Resp: 11507
Ion Ratio Lower Upper
112 100
114 32.9 22.4 41.6
77 59.5 48.2 72.2

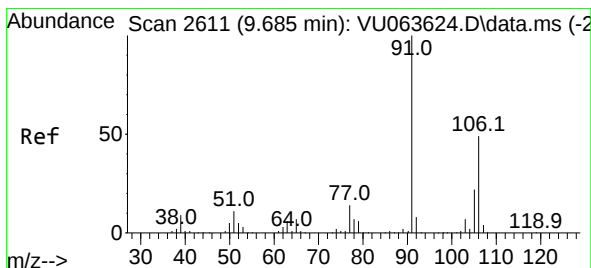
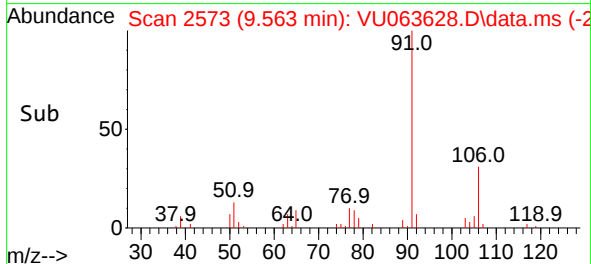
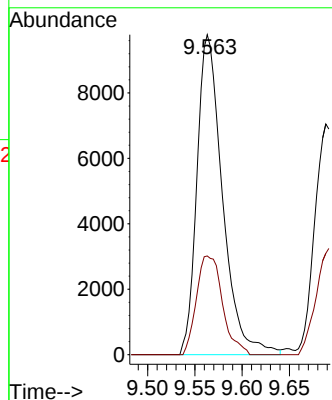
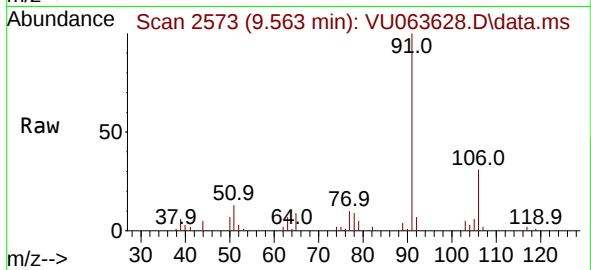




#52
Ethylbenzene
Concen: 2.359 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

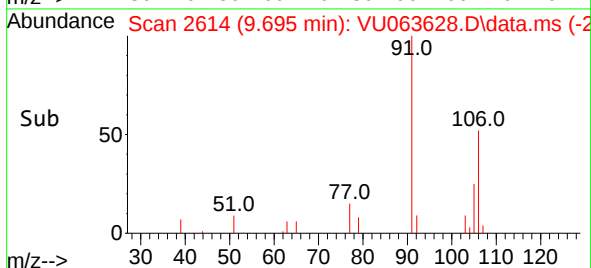
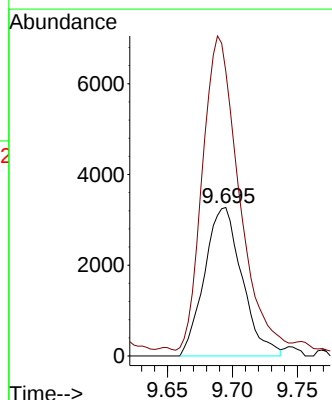
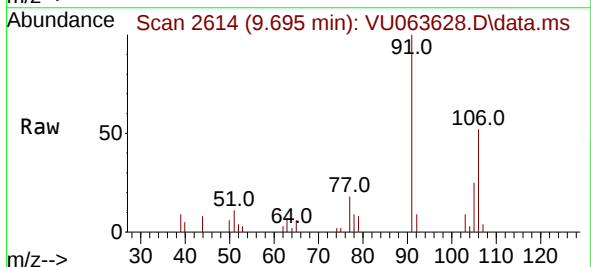
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-06

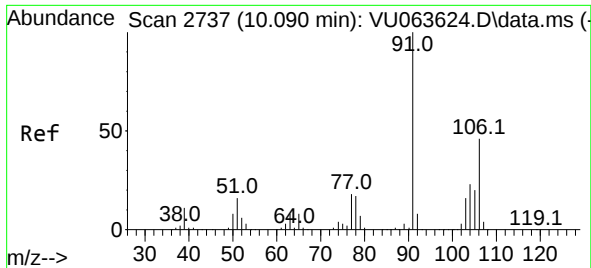
Tgt Ion: 91 Resp: 18369
Ion Ratio Lower Upper
91 100
106 30.9 21.5 39.9



#53
m,p-Xylene
Concen: 2.262 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.010 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion: 106 Resp: 6573
Ion Ratio Lower Upper
106 100
91 191.7 144.1 267.7

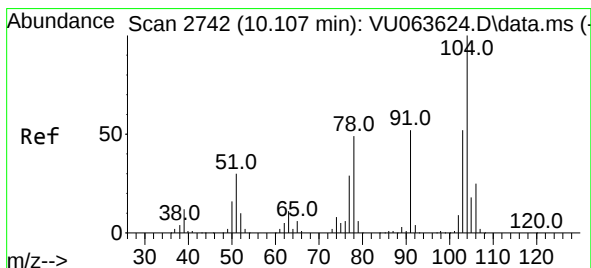
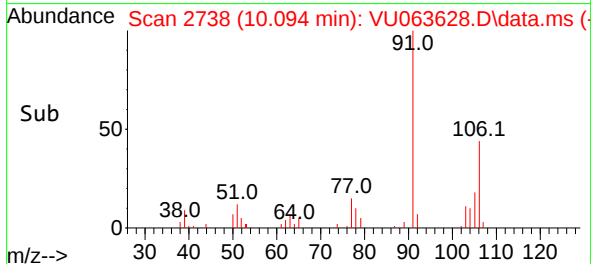
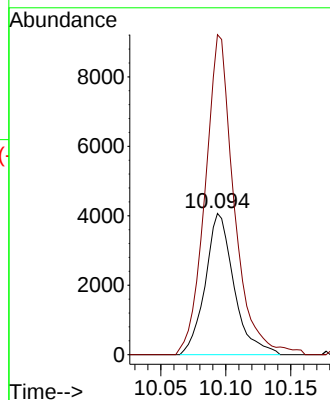
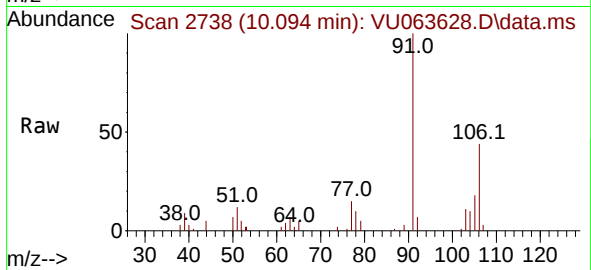




#54
o-Xylene
Concen: 2.160 ug/L
RT: 10.094 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

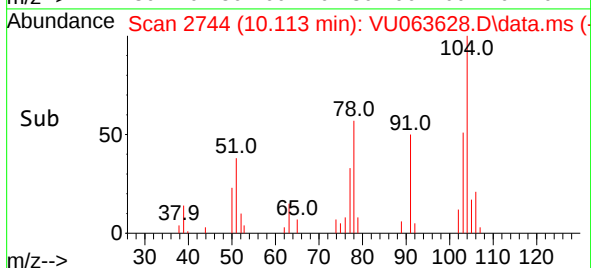
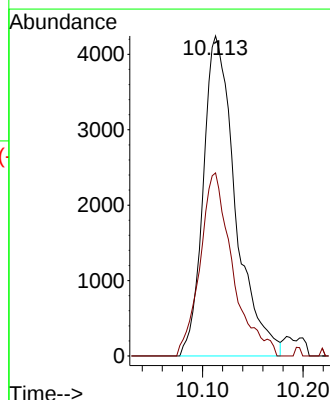
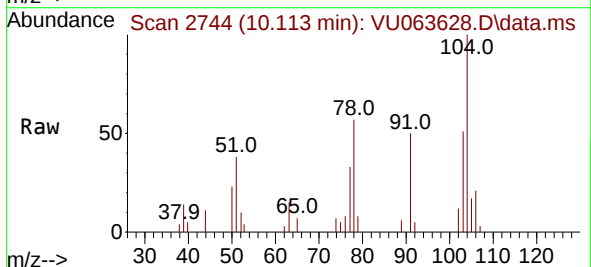
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-06

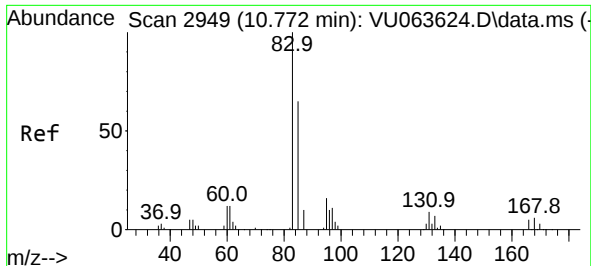
Tgt Ion:106 Resp: 6254
Ion Ratio Lower Upper
106 100
91 226.4 158.5 294.3



#55
Styrene
Concen: 1.999 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.006 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion:104 Resp: 9459
Ion Ratio Lower Upper
104 100
78 57.2 34.5 64.1

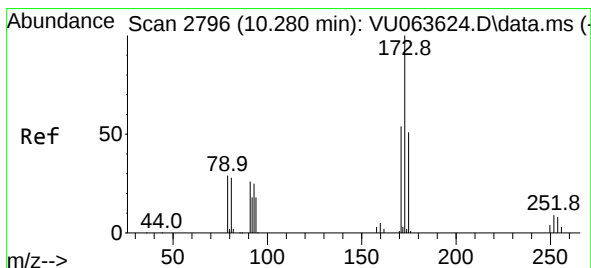
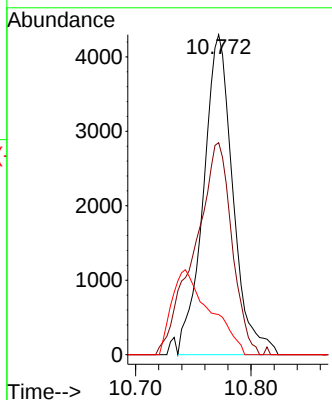
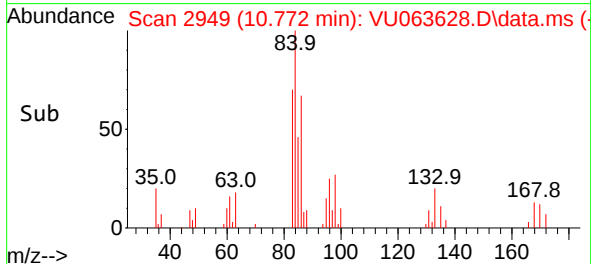
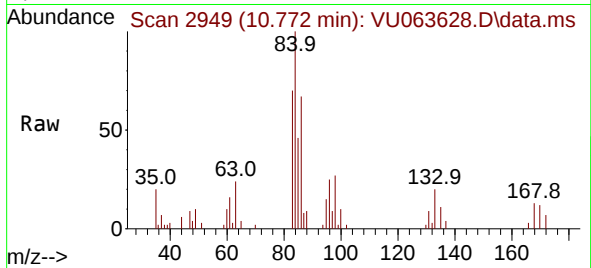




#57
1,1,2,2-Tetrachloroethane
Concen: 2.614 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

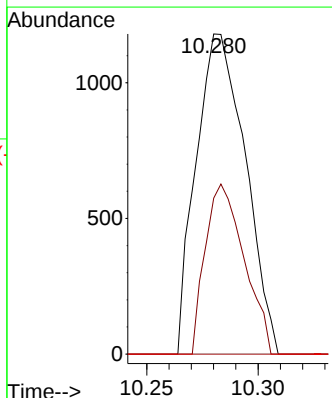
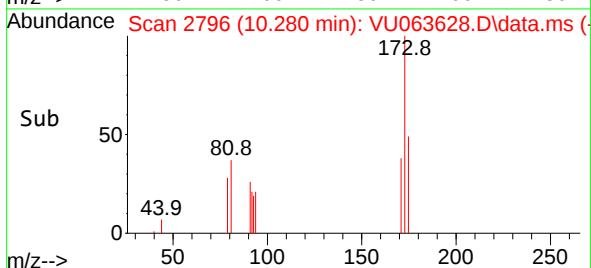
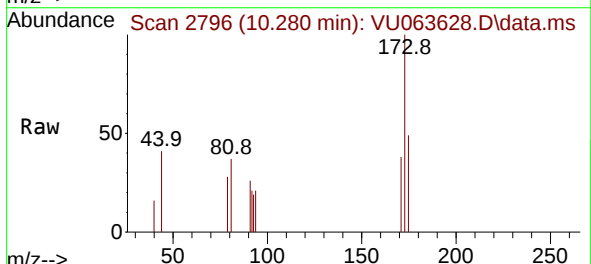
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-06

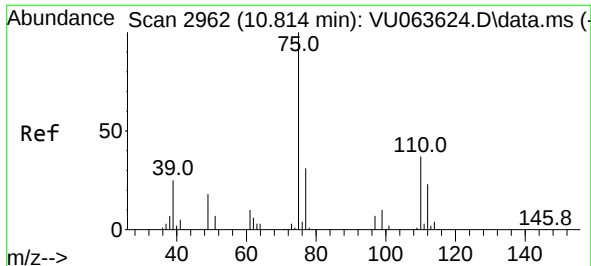
Tgt Ion:	83	Resp:	7629
Ion	Ratio	Lower	Upper
83	100		
85	66.3	46.0	85.4
131	12.6	7.4	11.2#



#59
Bromoform
Concen: 1.823 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. -0.000 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion:	173	Resp:	1811
Ion	Ratio	Lower	Upper
173	100		
175	42.0	39.3	58.9
254	0.0	6.2	9.4#

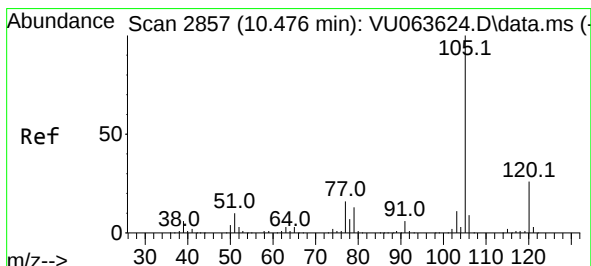
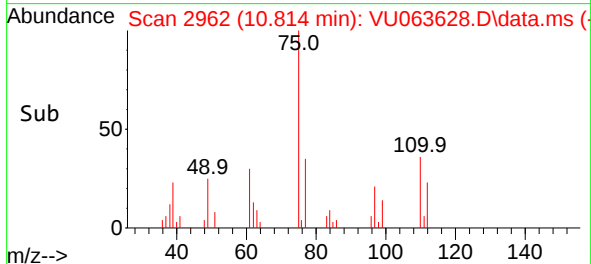
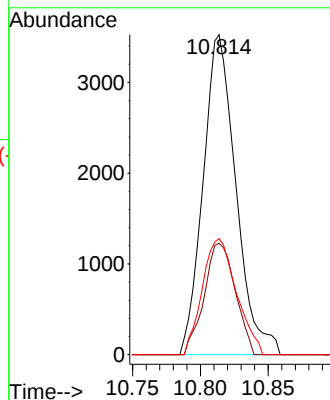
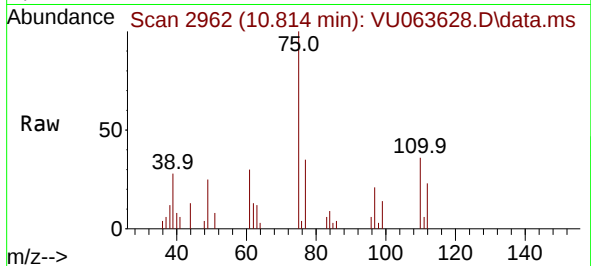




#60
1,2,3-Trichloropropane
Concen: 2.763 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. -0.000 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

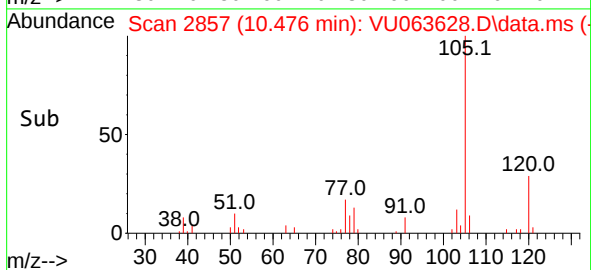
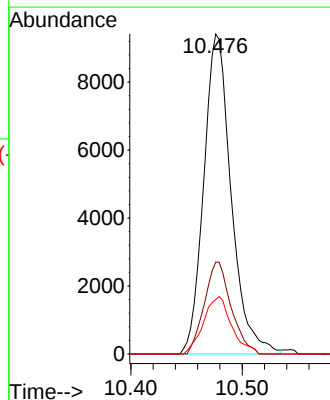
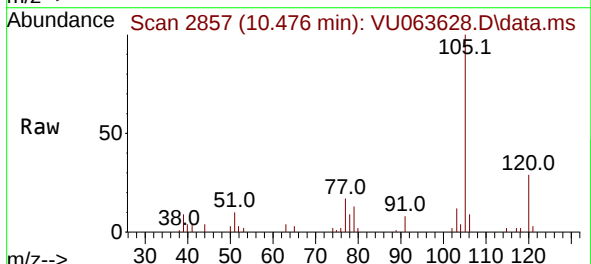
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-06

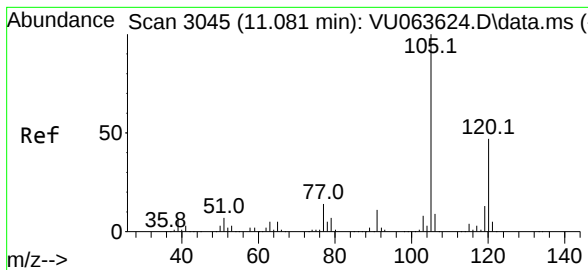
Tgt Ion:	75	Resp:	5944
Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.7	38.5
110	37.6	29.2	43.8



#61
Isopropylbenzene
Concen: 2.311 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion:	105	Resp:	16086
Ion	Ratio	Lower	Upper
105	100		
120	28.0	21.2	31.8
77	18.3	13.4	20.0

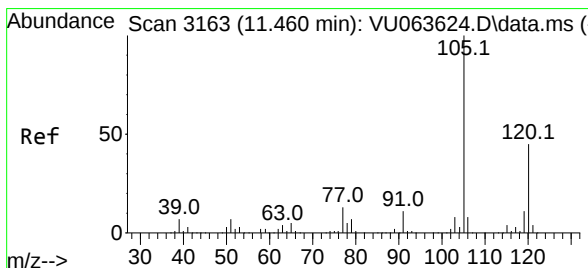
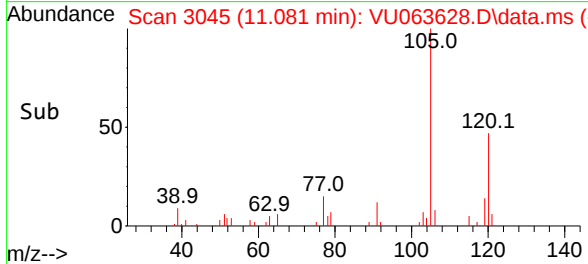
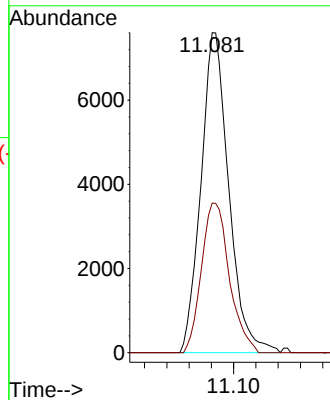
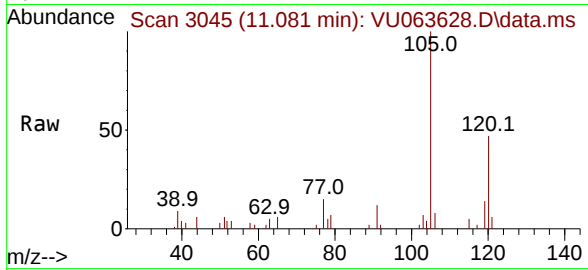




#62
1,3,5-Trimethylbenzene
Concen: 2.304 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

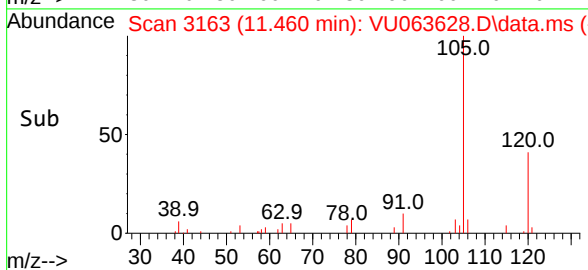
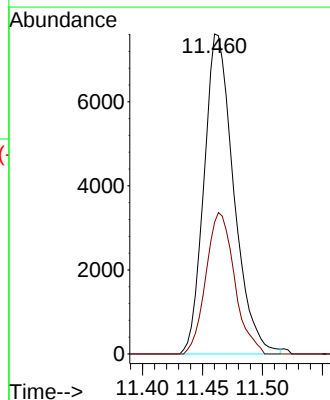
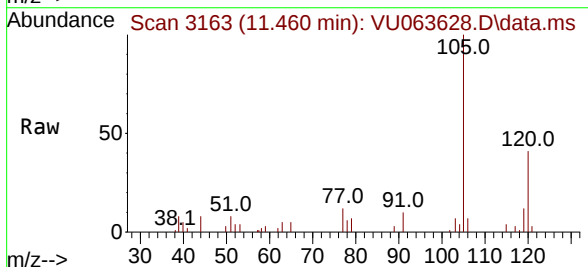
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-06

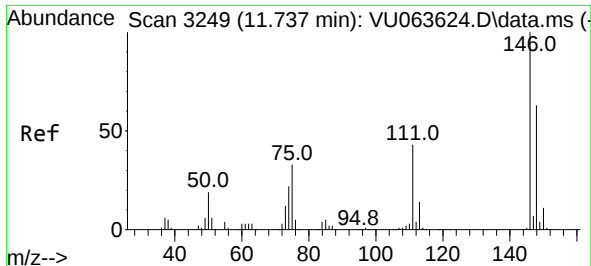
Tgt Ion:105 Resp: 13185
Ion Ratio Lower Upper
105 100
120 46.9 38.3 57.5



#63
1,2,4-Trimethylbenzene
Concen: 2.361 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion:105 Resp: 13103
Ion Ratio Lower Upper
105 100
120 42.4 35.6 53.4

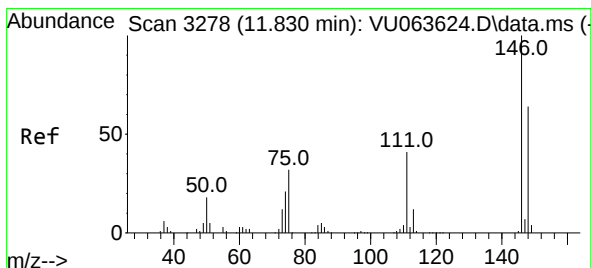
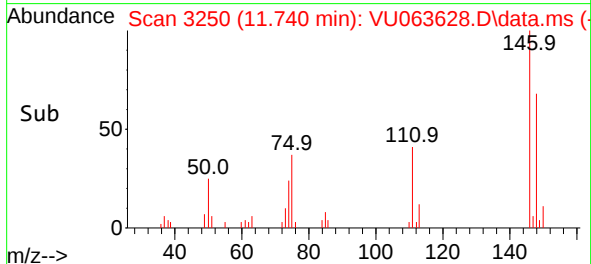
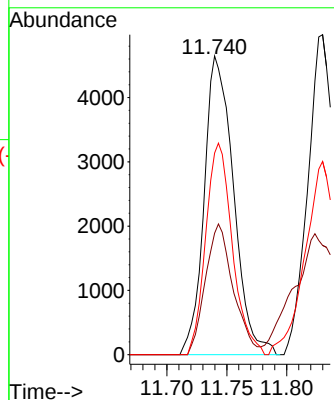
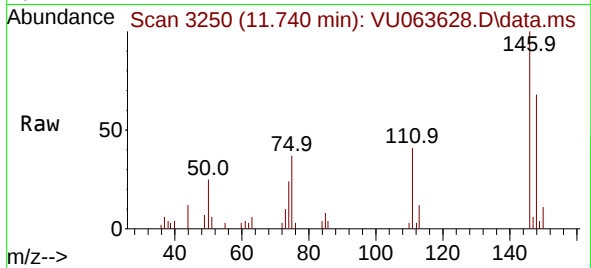




#64
1,3-Dichlorobenzene
Concen: 2.497 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

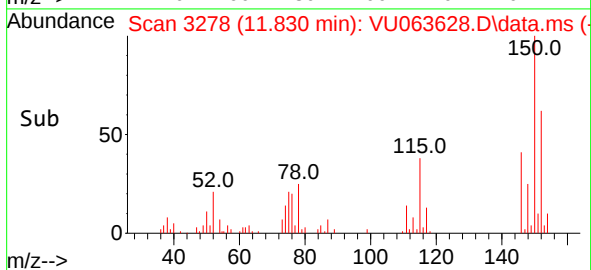
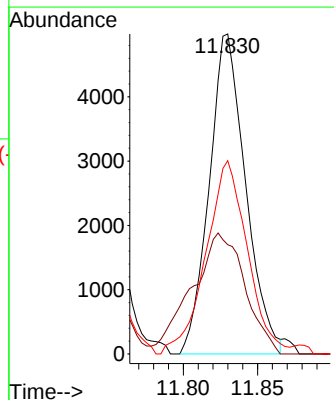
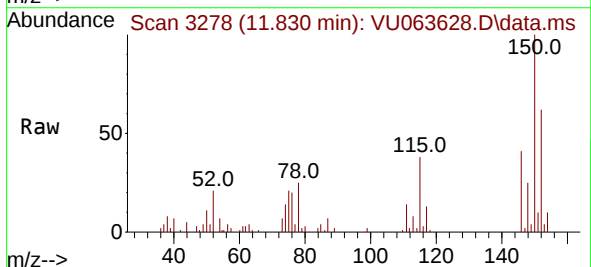
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-06

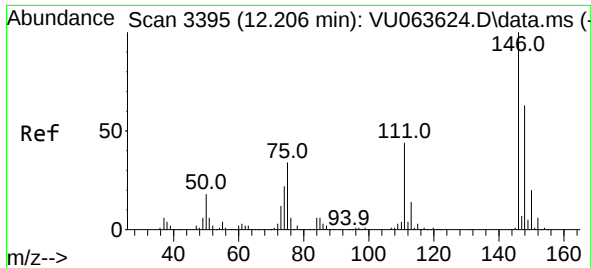
Tgt Ion:146 Resp: 7918
Ion Ratio Lower Upper
146 100
111 40.6 28.6 53.0
148 71.6 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 2.645 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion:146 Resp: 8488
Ion Ratio Lower Upper
146 100
111 38.7 27.9 51.9
148 60.4 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 2.743 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063628.D

Acq: 23 Sep 2025 11:44

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2025-06

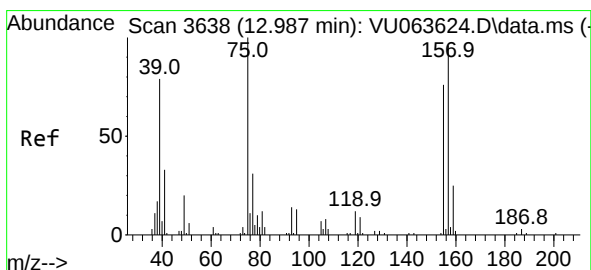
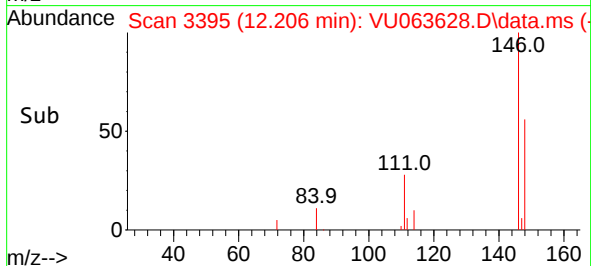
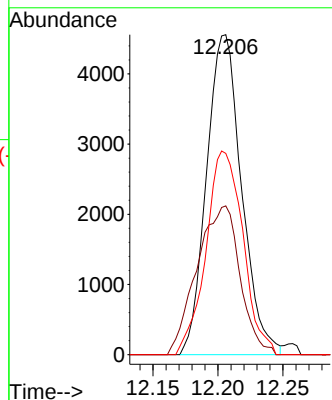
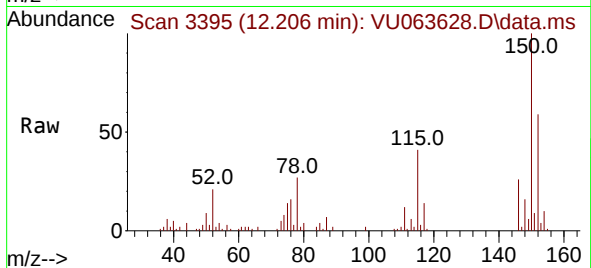
Tgt Ion:146 Resp: 8554

Ion Ratio Lower Upper

146 100

111 51.3 33.6 50.4#

148 62.9 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 2.228 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU063628.D

Acq: 23 Sep 2025 11:44

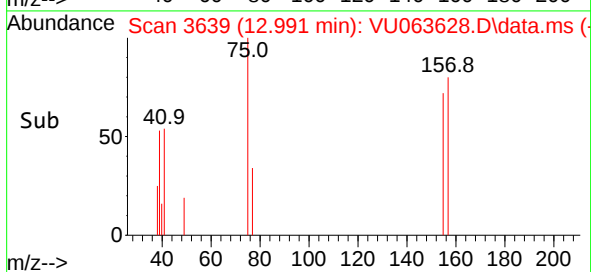
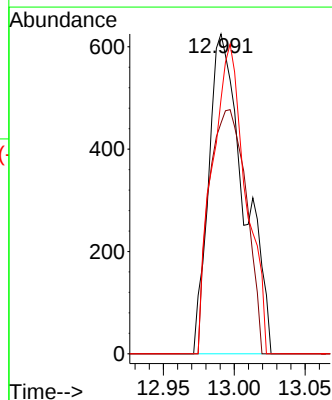
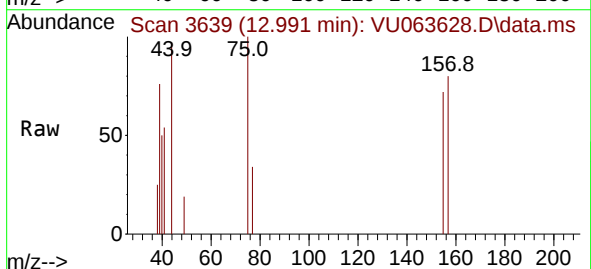
Tgt Ion: 75 Resp: 1075

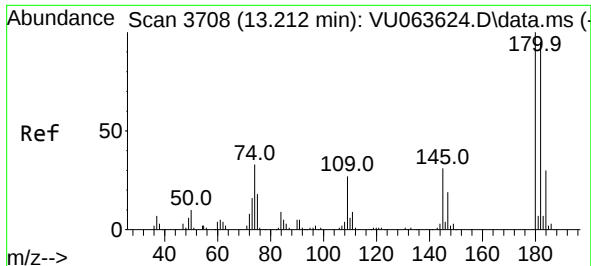
Ion Ratio Lower Upper

75 100

155 72.2 66.6 99.8

157 79.5 87.6 131.4#

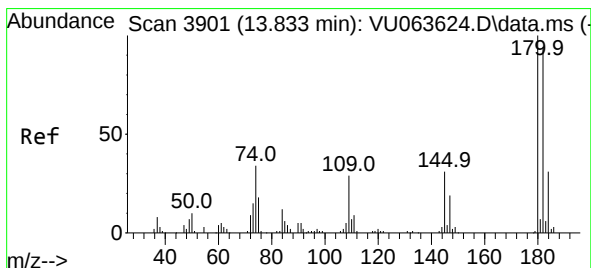
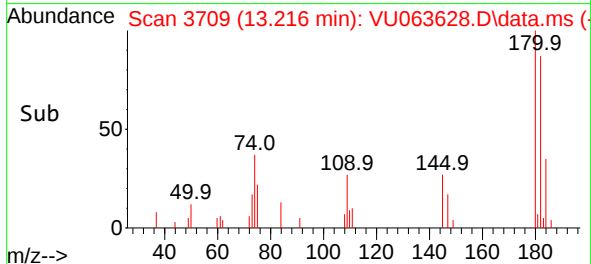
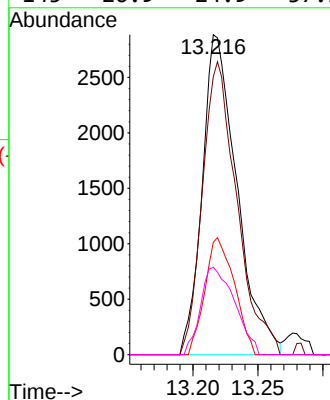
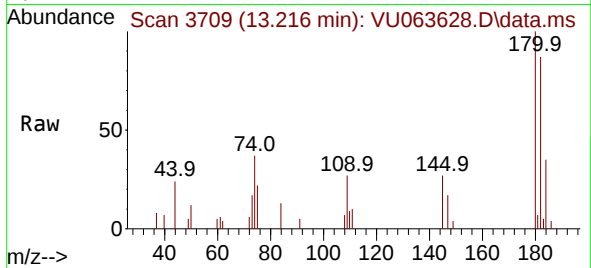




#69
 1,3,5-Trichlorobenzene
 Concen: 2.418 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU063628.D
 Acq: 23 Sep 2025 11:44

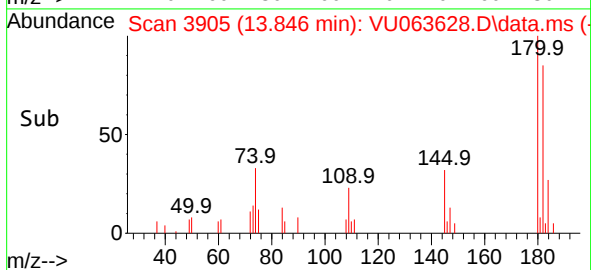
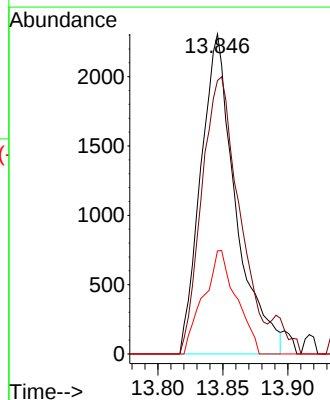
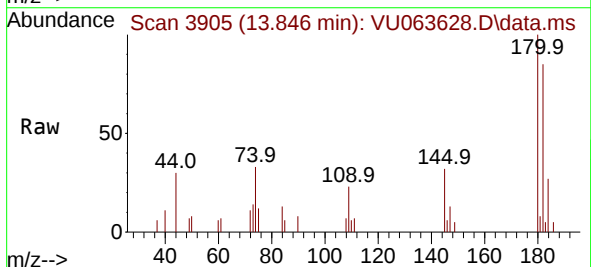
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2025-06

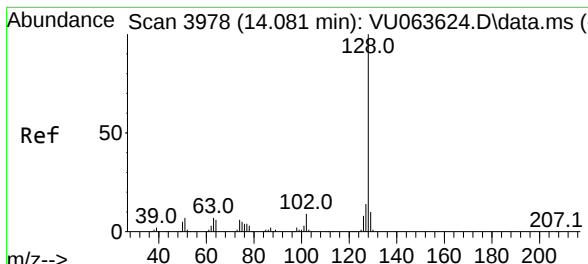
Tgt Ion:180	Resp:	5361
Ion	Ratio	Lower Upper
180	100	
182	90.8	75.9 113.9
184	31.1	24.4 36.6
145	26.9	24.9 37.3



#70
 1,2,4-trichlorobenzene
 Concen: 2.359 ug/L
 RT: 13.846 min Scan# 3905
 Delta R.T. 0.013 min
 Lab File: VU063628.D
 Acq: 23 Sep 2025 11:44

Tgt Ion:180	Resp:	4319
Ion	Ratio	Lower Upper
180	100	
182	92.5	75.4 113.0
145	30.4	24.6 37.0

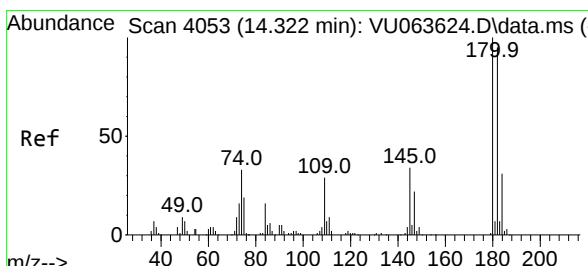
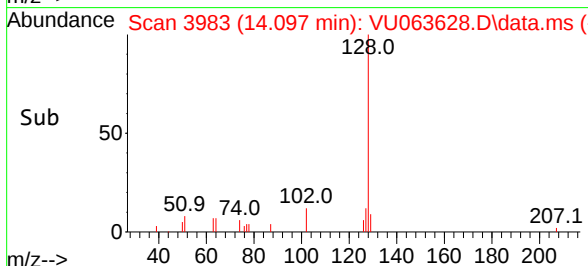
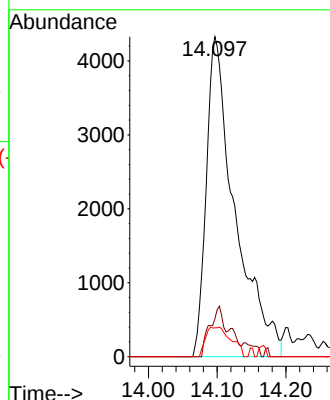
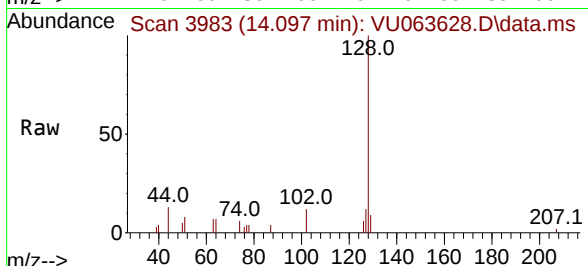




#71
Naphthalene
Concen: 2.520 ug/L m
RT: 14.097 min Scan# 3978
Delta R.T. 0.016 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-06

Tgt Ion:128	Resp:	12535
Ion Ratio	Lower	Upper
128	100	
127	3.0	10.2 15.4#
129	0.0	8.6 13.0#



#72
1,2,3-Trichlorobenzene
Concen: 2.469 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.006 min
Lab File: VU063628.D
Acq: 23 Sep 2025 11:44

Tgt Ion:180	Resp:	4332
Ion Ratio	Lower	Upper
180	100	
182	89.4	77.4 116.2
145	32.7	25.9 38.9

