

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101122\
 Data File : VW028515.D
 Acq On : 11 Oct 2022 11:54
 Operator : SY/MD
 Sample : N4519-06
 Misc : 5.00g/5.0mL/100ul/5.0mL/MSVOA_V/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2022-08

Quant Time: Oct 12 00:28:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 12 00:26:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	283666	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	257432	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	131567	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	98320	44.920	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.840%
7) Chloroethane-d5	1.564	69	73587	42.400	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.800%
11) 1,1-Dichloroethene-d2	2.101	63	130967	35.157	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.320%
21) 2-Butanone-d5	3.889	46	122111	63.730	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	63.730%
24) Chloroform-d	4.342	84	199810	49.774	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.540%
26) 1,2-Dichloroethane-d4	5.027	65	141202	54.541	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.080%
32) Benzene-d6	5.043	84	417523	50.615	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.220%
36) 1,2-Dichloropropane-d6	6.066	67	128257	47.688	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.380%
41) Toluene-d8	7.310	98	382436	51.783	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.560%
43) trans-1,3-Dichloroprop...	7.616	79	69086	50.396	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.800%
47) 2-Hexanone-d5	8.085	63	127739	87.310	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.310%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	166002	45.105	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	139792	51.278	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	4767	2.232	ug/L	97
3) Chloromethane	1.236	50	4128	1.717	ug/L	93
5) Vinyl chloride	1.307	62	4513	1.870	ug/L #	16
6) Bromomethane	1.519	94	2143	1.948	ug/L	90
8) Chloroethane	1.548	64	11413	7.792	ug/L #	53
9) Trichlorofluoromethane	1.751	101	6531	2.190	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	4144	2.452	ug/L #	84
12) 1,1-Dichloroethene	2.111	96	4260	2.568	ug/L #	1
14) Carbon disulfide	2.288	76	11469	2.161	ug/L	98
15) Methyl Acetate	2.439	43	4491	1.792	ug/L #	80
17) trans-1,2-Dichloroethene	2.760	96	4097	2.117	ug/L	94
18) Methyl tert-butyl Ether	2.767	73	14792	2.079	ug/L #	93
19) 1,1-Dichloroethane	3.185	63	8034	2.032	ug/L	97
20) cis-1,2-Dichloroethene	3.908	96	4516	2.048	ug/L	95
23) Bromochloromethane	4.239	128	1079	1.007	ug/L	76
27) 1,2-Dichloroethane	5.140	62	6333	2.142	ug/L	99
29) Cyclohexane	4.667	56	3083	0.833	ug/L #	1
30) 1,1,1-Trichloroethane	4.600	97	7576	2.278	ug/L	98
31) Carbon tetrachloride	4.821	117	6588	2.366	ug/L	95

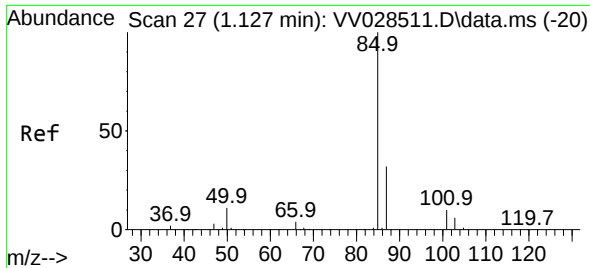
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101122\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 12 00:26:27 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzene	5.101	78	17368	2.051	ug/L	100
35) Methylcyclohexane	6.130	83	7167	1.963	ug/L	96
37) 1,2-Dichloropropane	6.181	63	4490	1.978	ug/L #	92
38) Bromodichloromethane	6.513	83	6201	2.097	ug/L #	90
39) cis-1,3-Dichloropropene	7.034	75	5405	1.497	ug/L	94
40) 4-Methyl-2-pentanone	7.233	43	13147	3.396	ug/L #	95
42) Toluene	7.390	91	18623	2.134	ug/L	98
44) trans-1,3-Dichloropropene	7.654	75	6196	1.788	ug/L	98
45) 1,1,2-Trichloroethane	7.837	97	4182	1.989	ug/L	96
46) Tetrachloroethene	7.972	164	3252	2.155	ug/L	93
49) Dibromochloromethane	8.243	129	5058	2.238	ug/L	94
50) 1,2-Dibromoethane	8.349	107	4393	2.018	ug/L #	88
51) Chlorobenzene	8.876	112	11802	2.155	ug/L	98
52) Ethylbenzene	9.011	91	19872	2.089	ug/L	98
53) m,p-Xylene	9.140	106	7511	2.083	ug/L	100
54) o-Xylene	9.538	106	7479	2.072	ug/L	93
55) Styrene	9.564	104	12195	1.967	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.233	83	7261	2.017	ug/L #	90
59) Bromoform	9.731	173	3023	1.855	ug/L #	93
60) Isopropylbenzene	9.927	105	20310	2.142	ug/L	98
61) 1,2,3-Trichloropropane	10.268	75	5609	2.003	ug/L	97
62) 1,3,5-Trimethylbenzene	10.532	105	16750	2.040	ug/L	96
63) 1,2,4-Trimethylbenzene	10.908	105	16461	2.020	ug/L	97
64) 1,3-Dichlorobenzene	11.178	146	8745	2.109	ug/L	95
65) 1,4-Dichlorobenzene	11.265	146	9469	2.289	ug/L	94
67) 1,2-Dichlorobenzene	11.635	146	9247	2.209	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.419	75	1790	2.088	ug/L #	78
69) 1,3,5-Trichlorobenzene	12.638	180	6339	2.013	ug/L	97
70) 1,2,4-trichlorobenzene	13.258	180	5050	1.819	ug/L	100
71) Naphthalene	13.496	128	14083	1.631	ug/L	99
72) 1,2,3-Trichlorobenzene	13.734	180	5109	1.888	ug/L	93

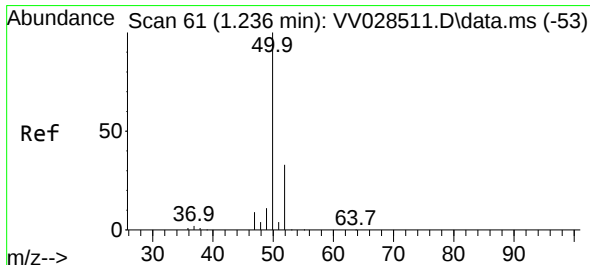
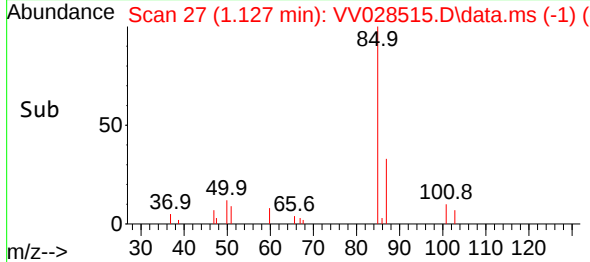
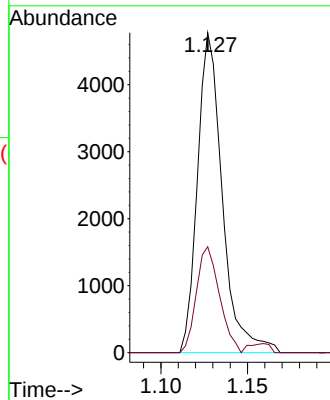
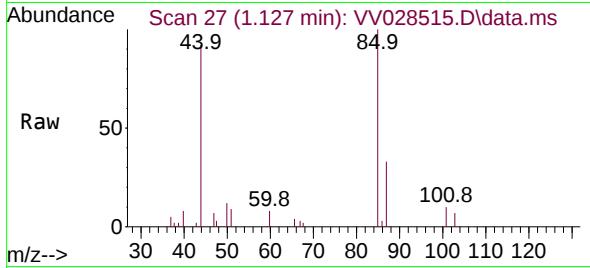
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 2.232 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV028515.D
 Acq: 11 Oct 2022 11:54

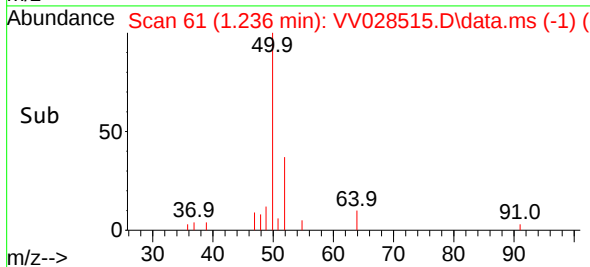
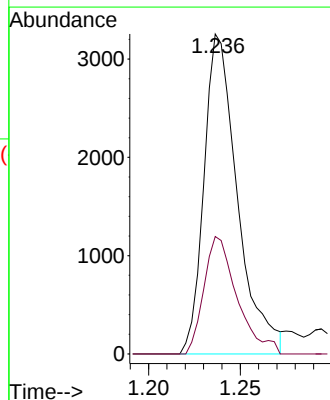
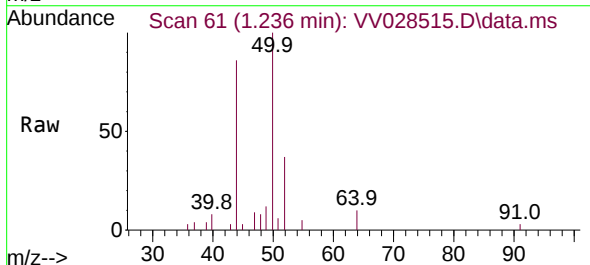
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2022-08

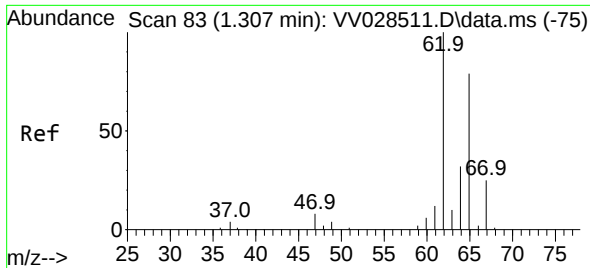
Tgt Ion: 85 Resp: 4767
 Ion Ratio Lower Upper
 85 100
 87 30.8 25.9 38.9



#3
 Chloromethane
 Concen: 1.717 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VV028515.D
 Acq: 11 Oct 2022 11:54

Tgt Ion: 50 Resp: 4128
 Ion Ratio Lower Upper
 50 100
 52 36.7 22.7 42.3

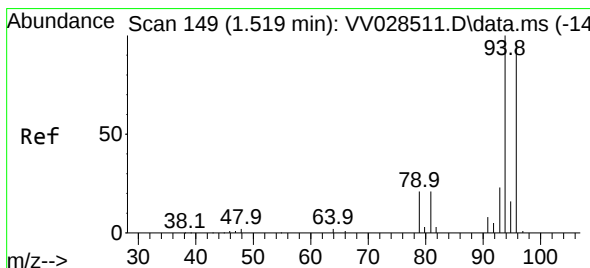
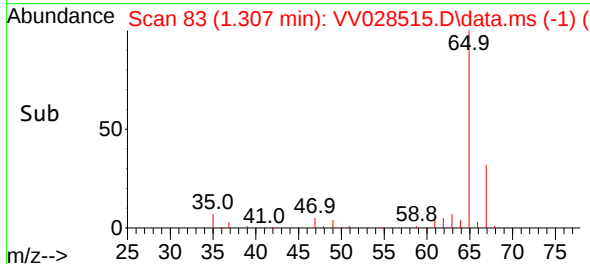
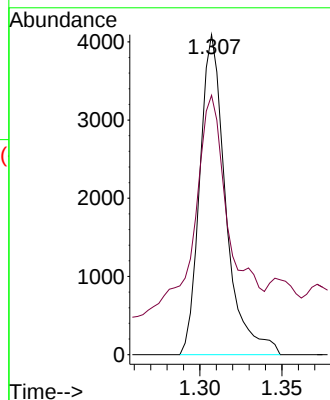
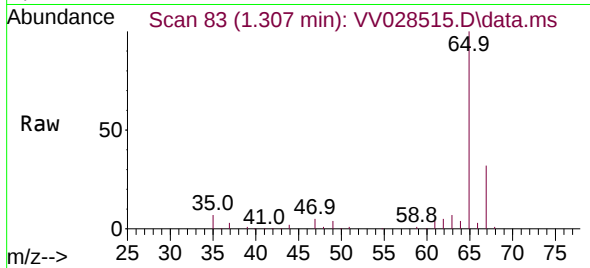




#5
 Vinyl chloride
 Concen: 1.870 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VV028515.D
 Acq: 11 Oct 2022 11:54

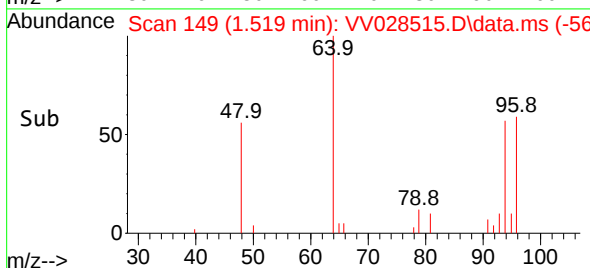
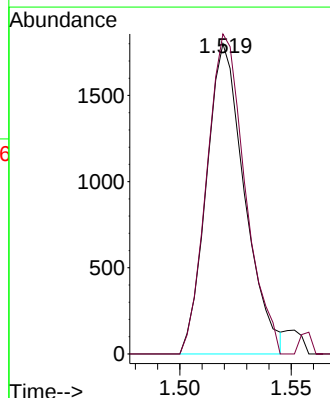
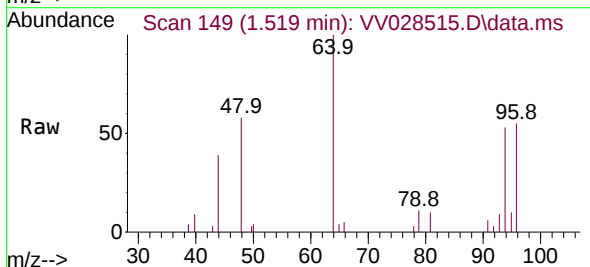
Instrument : MSVOA_V
 ClientSampleId : MDL-MED-SOIL-QT4-2022-08

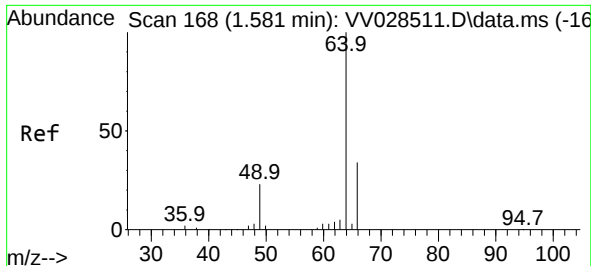
Tgt Ion: 62 Resp: 4513
 Ion Ratio Lower Upper
 62 100
 64 81.0 23.3 43.3#



#6
 Bromomethane
 Concen: 1.948 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV028515.D
 Acq: 11 Oct 2022 11:54

Tgt Ion: 94 Resp: 2143
 Ion Ratio Lower Upper
 94 100
 96 103.2 65.5 121.6

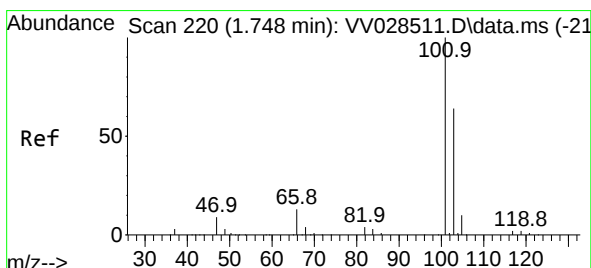
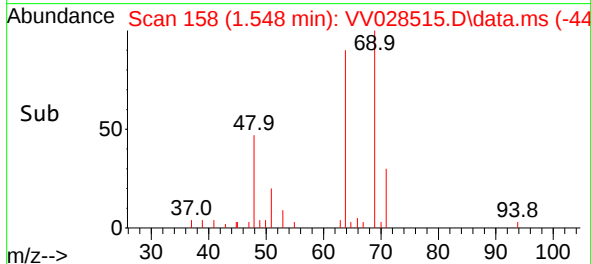
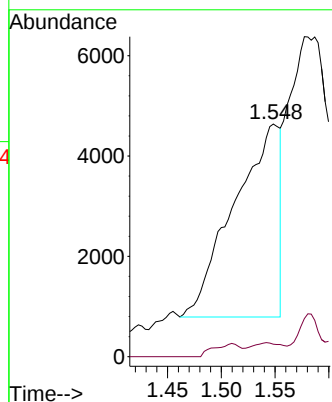
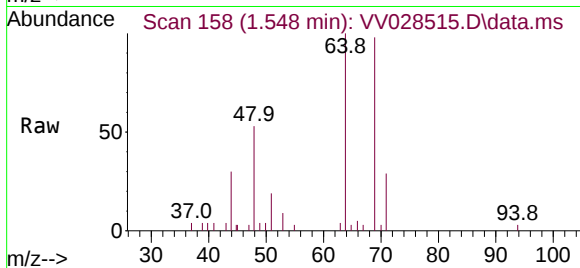




#8
Chloroethane
Concen: 7.792 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.032 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

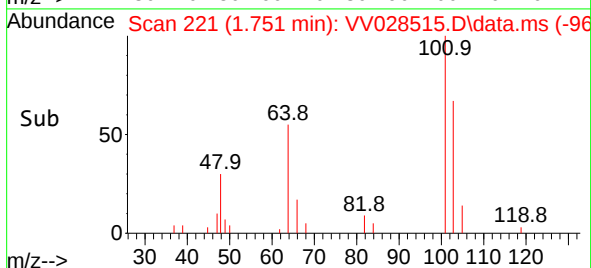
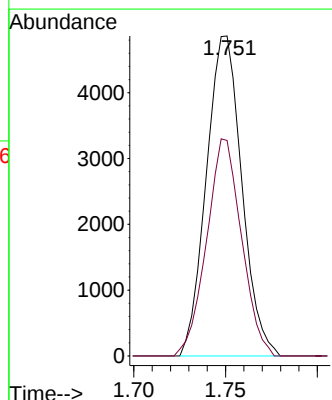
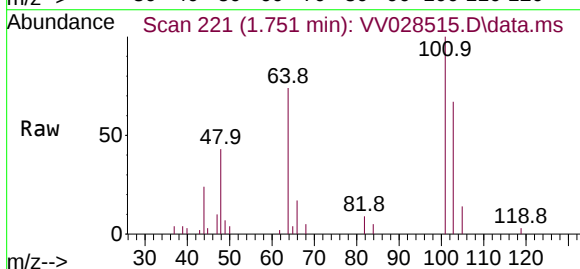
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

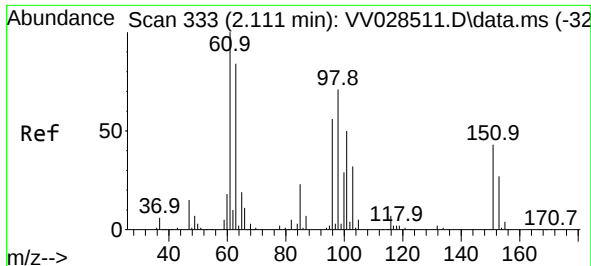
Tgt Ion: 64 Resp: 11413
Ion Ratio Lower Upper
64 100
66 5.4 22.2 41.2#



#9
Trichlorofluoromethane
Concen: 2.190 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.003 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Tgt Ion:101 Resp: 6531
Ion Ratio Lower Upper
101 100
103 66.7 50.7 76.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.452 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.000 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2022-08

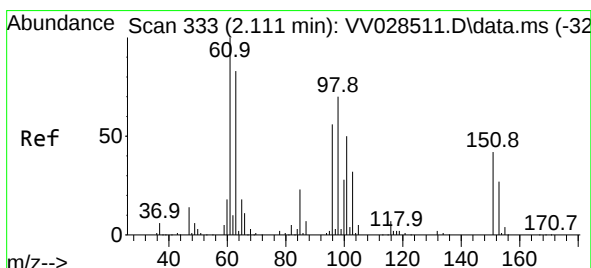
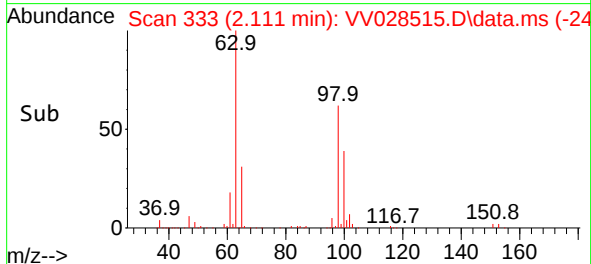
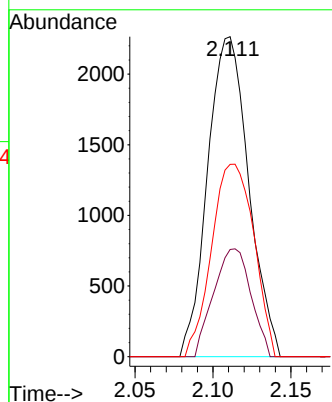
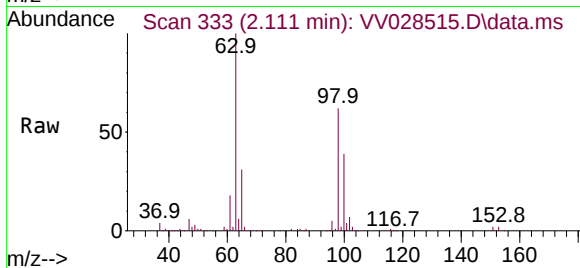
Tgt Ion:101 Resp: 4144

Ion Ratio Lower Upper

101 100

85 30.6 34.9 52.3#

151 61.9 59.2 88.8



#12

1,1-Dichloroethene

Concen: 2.568 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.000 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

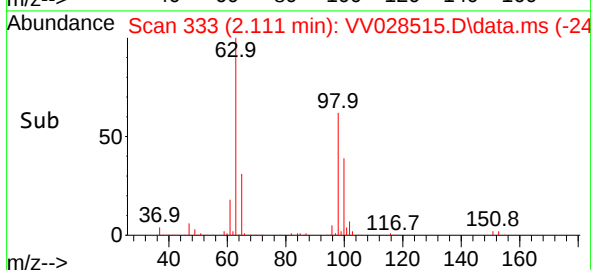
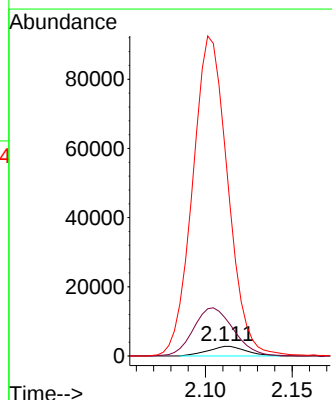
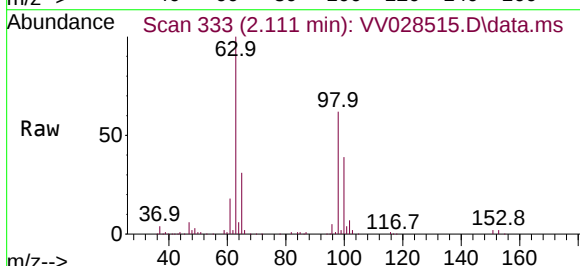
Tgt Ion: 96 Resp: 4260

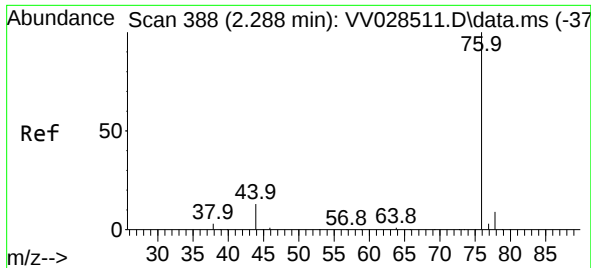
Ion Ratio Lower Upper

96 100

61 401.0 125.6 233.2#

63 2202.2 100.0 185.6#

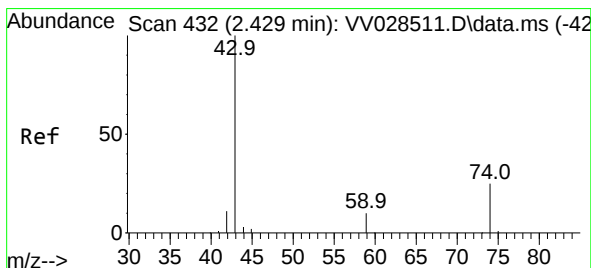
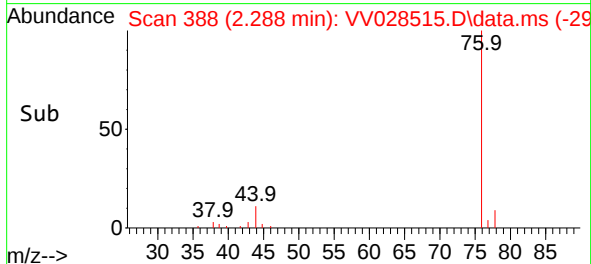
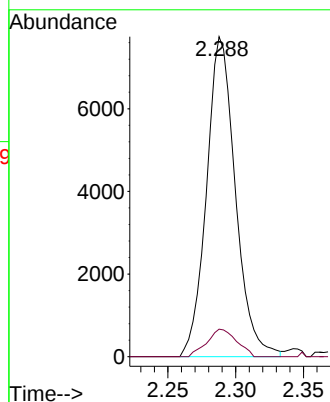
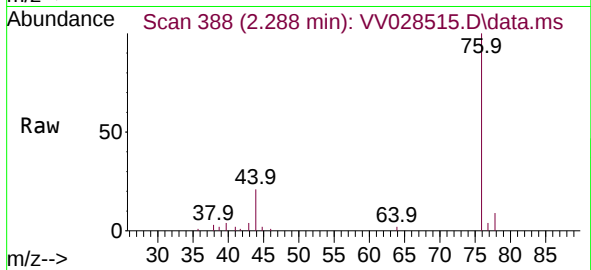




#14
Carbon disulfide
Concen: 2.161 ug/L
RT: 2.288 min Scan# 388
Delta R.T. -0.000 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

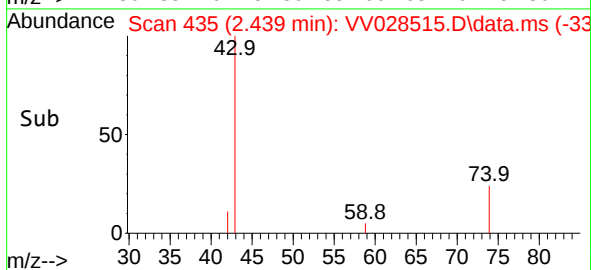
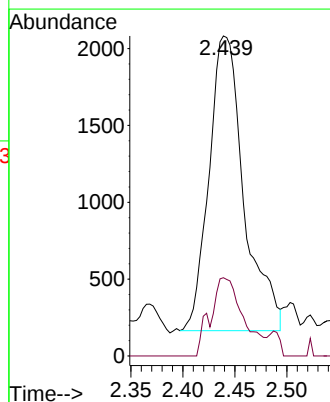
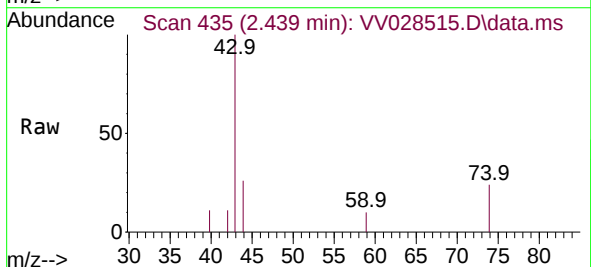
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2022-08

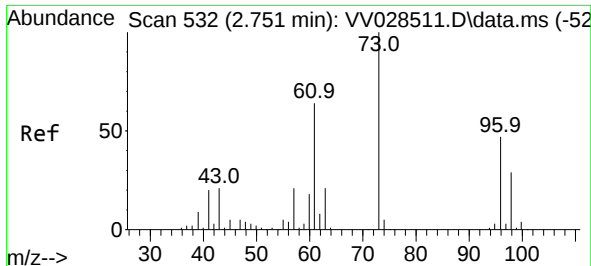
Tgt Ion: 76 Resp: 11469
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



#15
Methyl Acetate
Concen: 1.792 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.010 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Tgt Ion: 43 Resp: 4491
Ion Ratio Lower Upper
43 100
74 13.6 18.8 28.2#

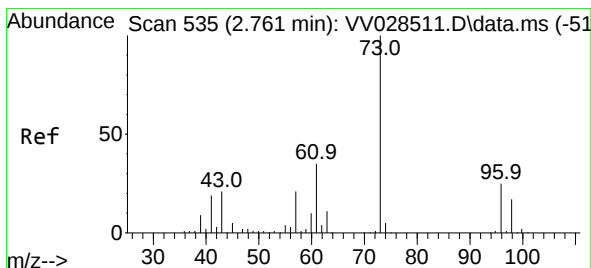
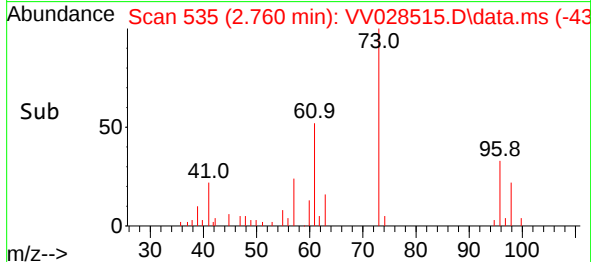
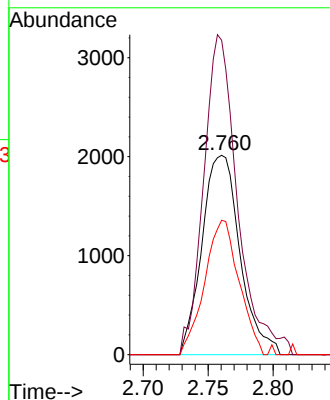
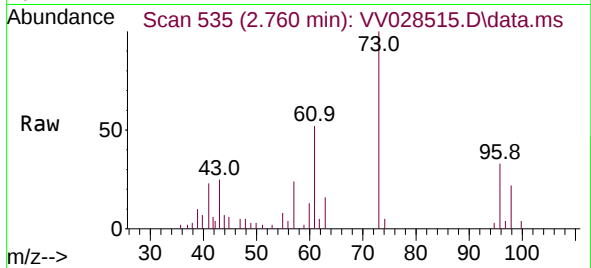




#17
trans-1,2-Dichloroethene
Concen: 2.117 ug/L
RT: 2.760 min Scan# 51
Delta R.T. 0.010 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

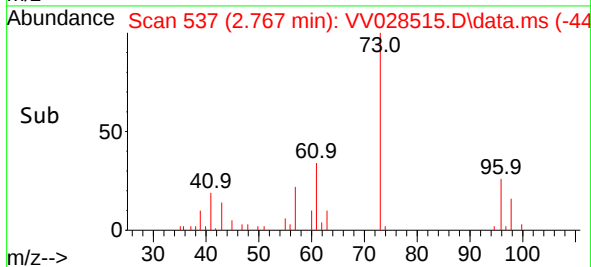
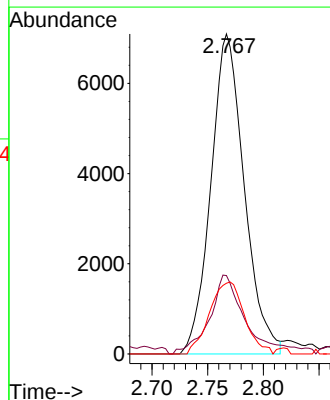
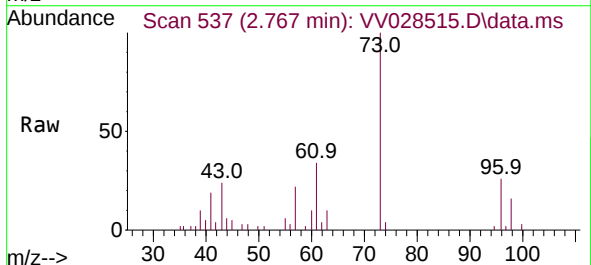
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

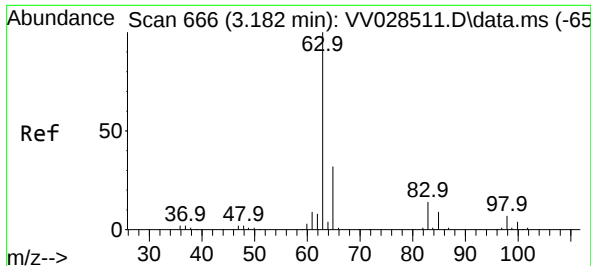
Tgt Ion: 96 Resp: 4097
Ion Ratio Lower Upper
96 100
61 157.6 104.8 194.6
98 67.4 44.5 82.7



#18
Methyl tert-butyl Ether
Concen: 2.079 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Tgt Ion: 73 Resp: 14792
Ion Ratio Lower Upper
73 100
43 26.0 15.6 23.4#
57 23.3 18.2 27.4





#19

1,1-Dichloroethane

Concen: 2.032 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2022-08

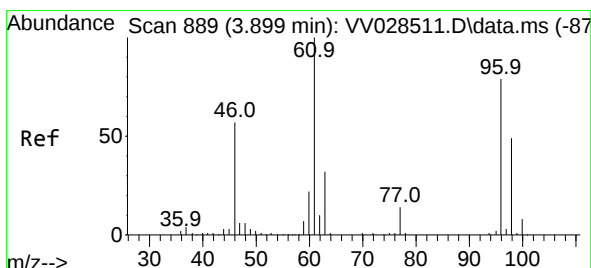
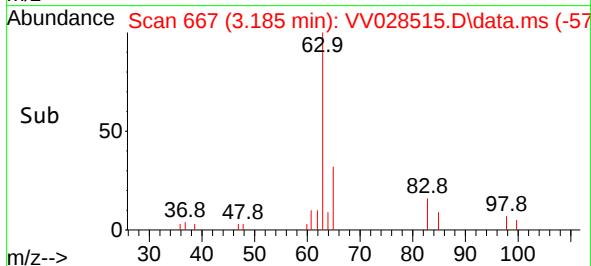
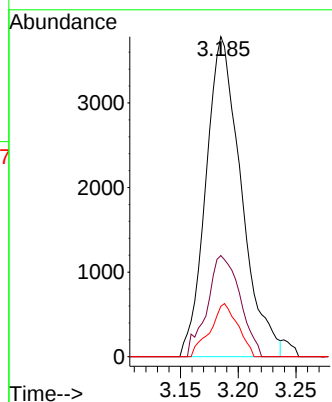
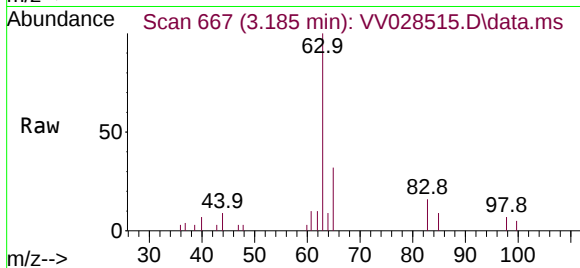
Tgt Ion: 63 Resp: 8034

Ion Ratio Lower Upper

63 100

65 31.6 22.6 42.0

83 15.8 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 2.048 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.010 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

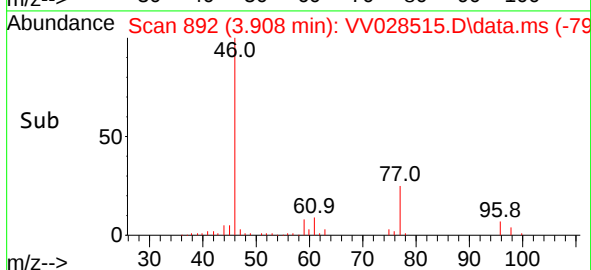
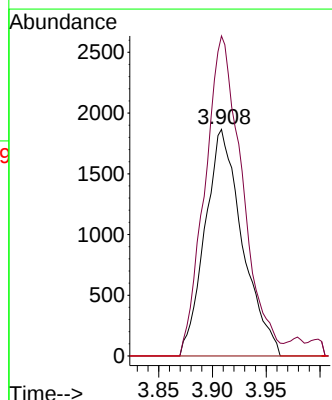
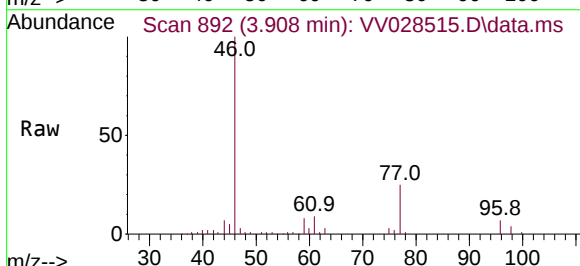
Tgt Ion: 96 Resp: 4516

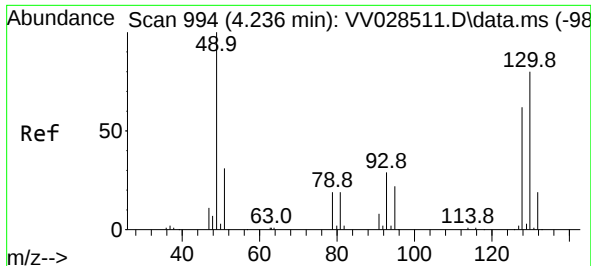
Ion Ratio Lower Upper

96 100

61 141.2 95.0 176.4

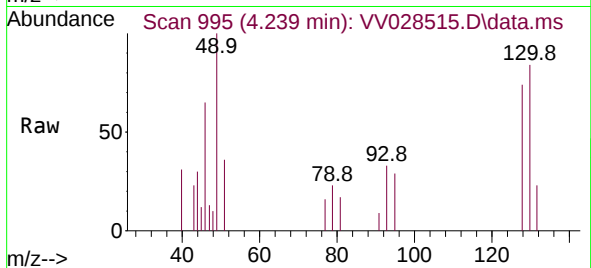
68 0.0 0.0 0.0



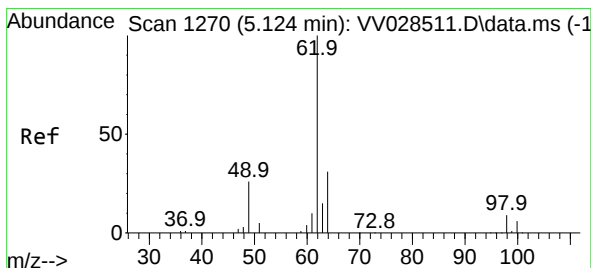
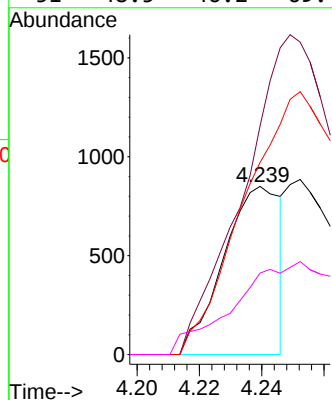
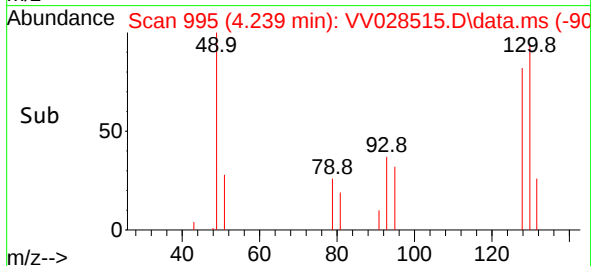


#23
Bromochloromethane
Concen: 1.007 ug/L
RT: 4.239 min Scan# 994
Delta R.T. 0.003 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

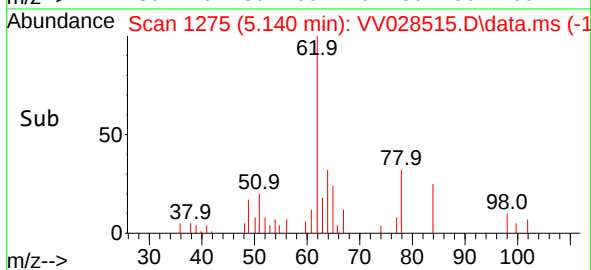
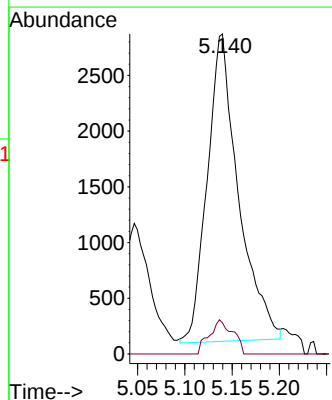
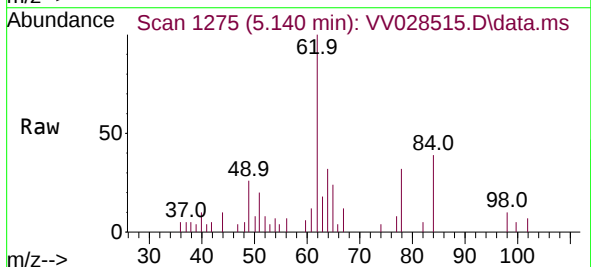


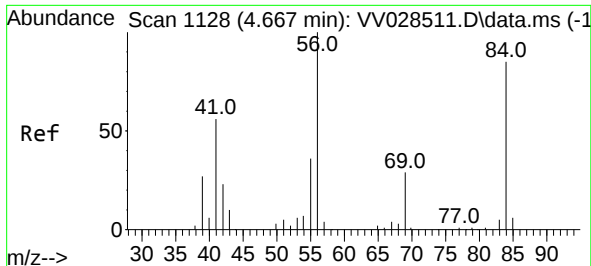
Tgt Ion:	128	Resp:	1079
Ion	Ratio	Lower	Upper
128	100		
49	135.9	130.6	242.6
130	114.2	90.0	167.2
51	48.5	46.2	69.4



#27
1,2-Dichloroethane
Concen: 2.142 ug/L
RT: 5.140 min Scan# 1275
Delta R.T. 0.016 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Tgt Ion:	62	Resp:	6333
Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.6	11.4





#29

Cyclohexane

Concen: 0.833 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2022-08

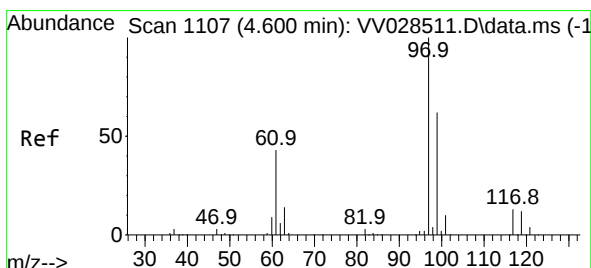
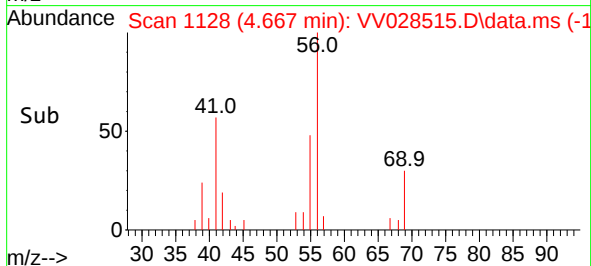
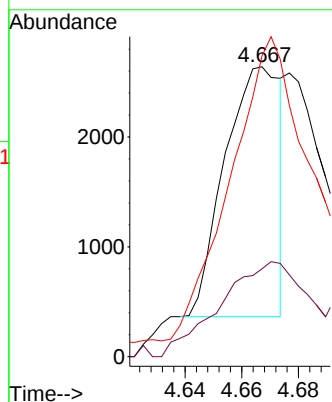
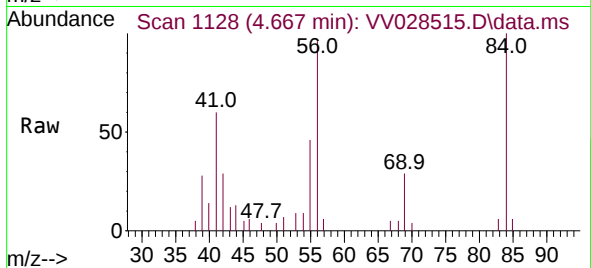
Tgt Ion: 56 Resp: 3083

Ion Ratio Lower Upper

56 100

69 59.6 23.0 34.6#

84 209.5 65.8 98.8#



#30

1,1,1-Trichloroethane

Concen: 2.278 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

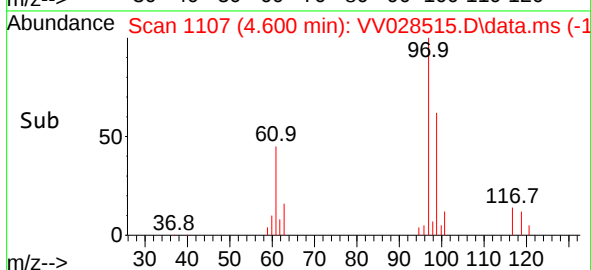
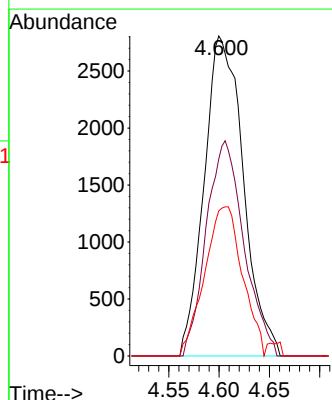
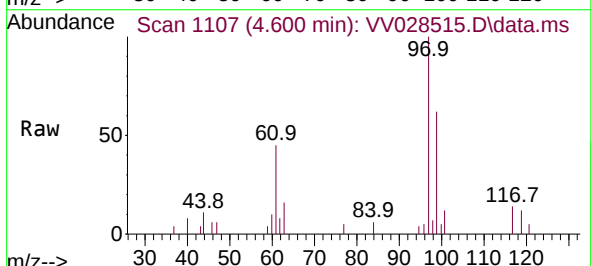
Tgt Ion: 97 Resp: 7576

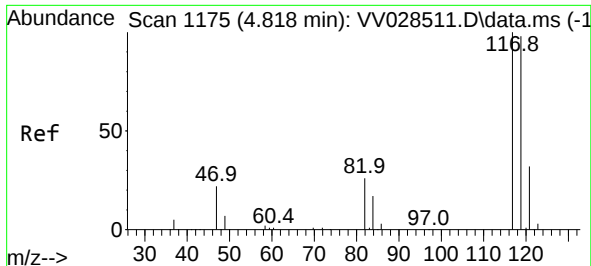
Ion Ratio Lower Upper

97 100

99 64.9 50.2 75.2

61 45.3 35.8 53.6

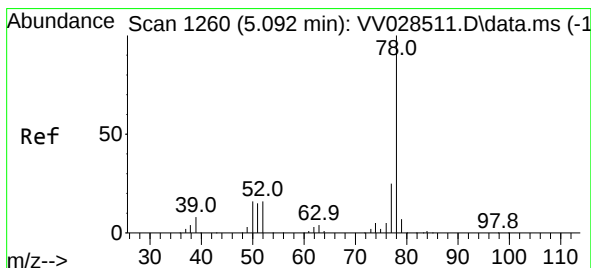
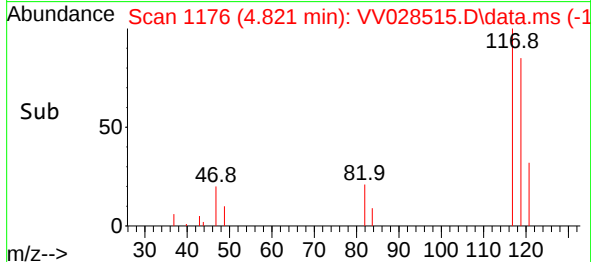
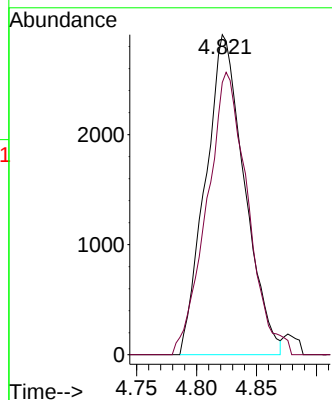
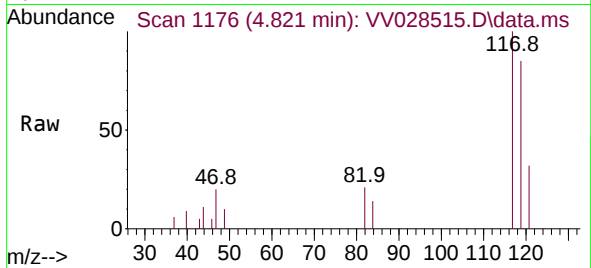




#31
Carbon tetrachloride
Concen: 2.366 ug/L
RT: 4.821 min Scan# 1175
Delta R.T. 0.003 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

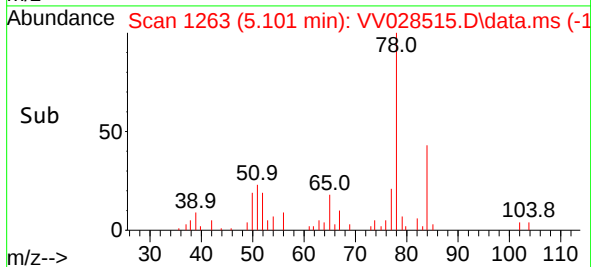
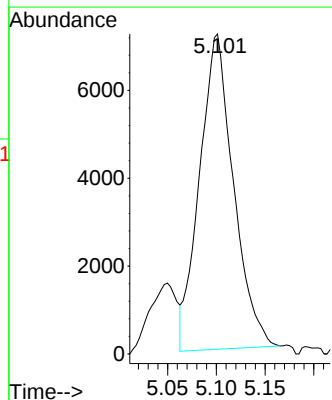
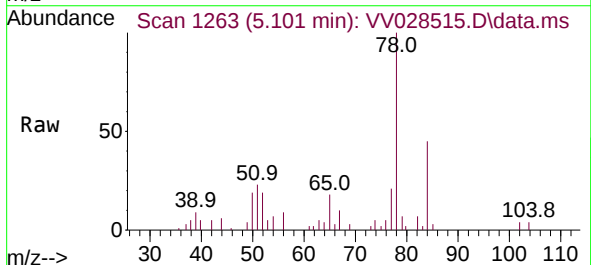
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2022-08

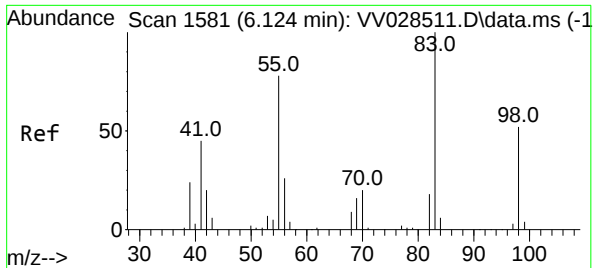
Tgt Ion:117 Resp: 6588
Ion Ratio Lower Upper
117 100
119 92.1 78.0 117.0



#33
Benzene
Concen: 2.051 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.010 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Tgt Ion: 78 Resp: 17368

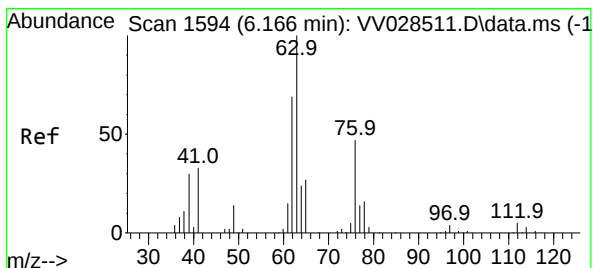
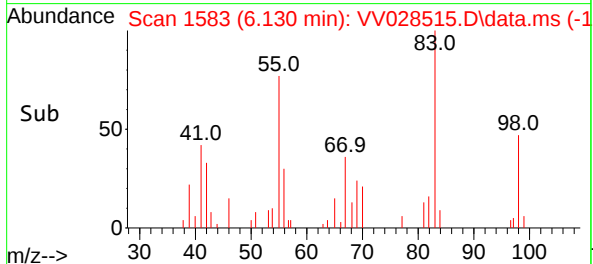
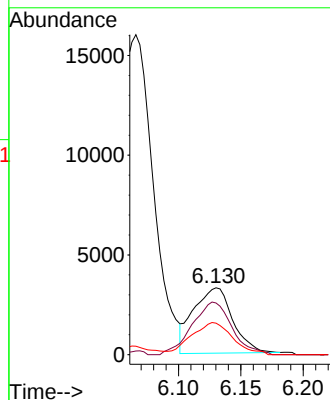
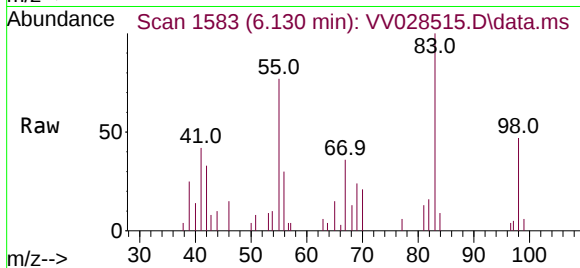




#35
Methylcyclohexane
Concen: 1.963 ug/L
RT: 6.130 min Scan# 1581
Delta R.T. 0.006 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

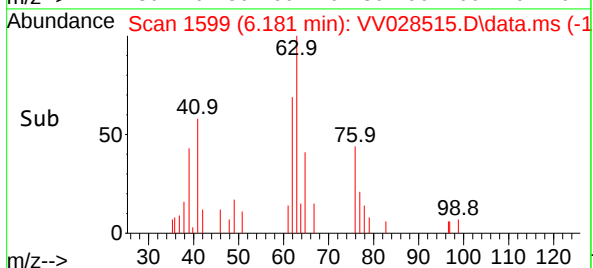
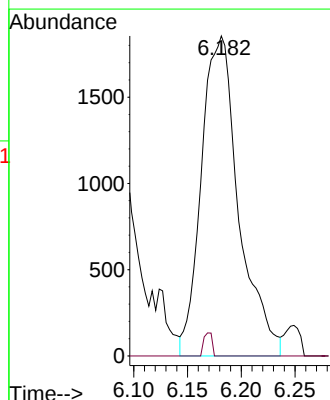
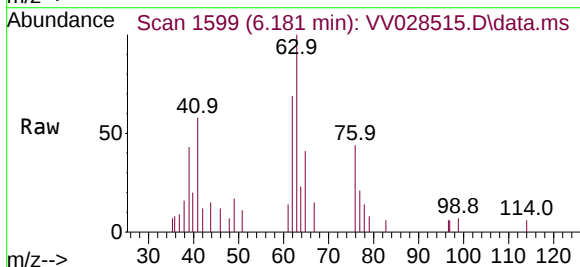
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

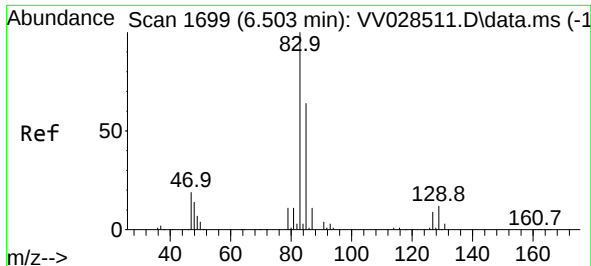
Tgt Ion:	83	Resp:	7167
Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.7	95.5
98	51.5	38.2	57.2



#37
1,2-Dichloropropane
Concen: 1.978 ug/L
RT: 6.181 min Scan# 1599
Delta R.T. 0.016 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Tgt Ion:	63	Resp:	4490
Ion	Ratio	Lower	Upper
63	100		
112	1.6	3.5	5.3

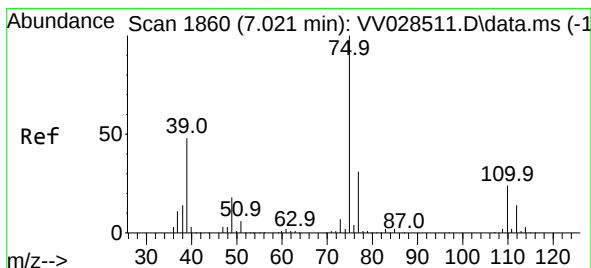
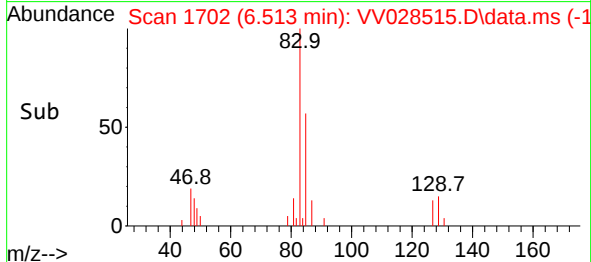
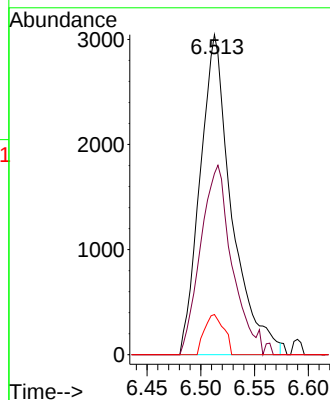
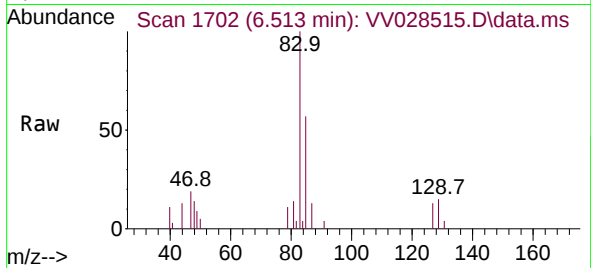




#38
Bromodichloromethane
Concen: 2.097 ug/L
RT: 6.513 min Scan# 1
Delta R.T. 0.010 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

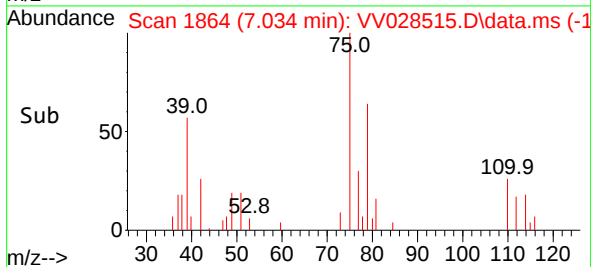
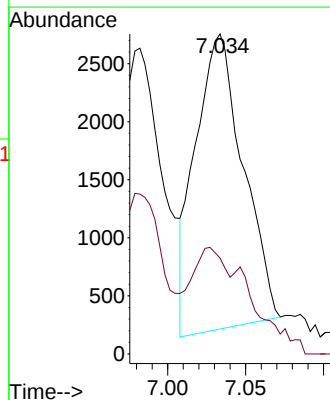
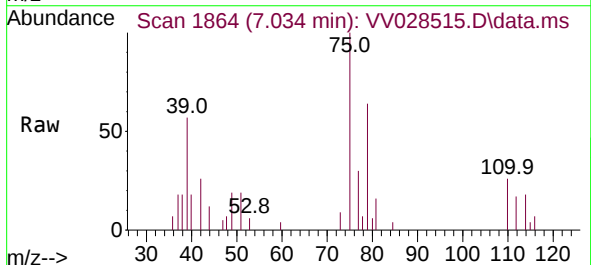
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

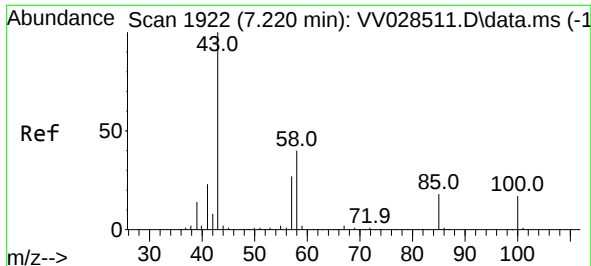
Tgt Ion: 83 Resp: 6201
Ion Ratio Lower Upper
83 100
85 56.6 45.1 83.7
127 12.6 7.0 10.4#



#39
cis-1,3-Dichloropropene
Concen: 1.497 ug/L
RT: 7.034 min Scan# 1864
Delta R.T. 0.013 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Tgt Ion: 75 Resp: 5405
Ion Ratio Lower Upper
75 100
77 29.9 23.2 43.0





#40

4-Methyl-2-pentanone

Concen: 3.396 ug/L

RT: 7.233 min Scan# 1922

Delta R.T. 0.013 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

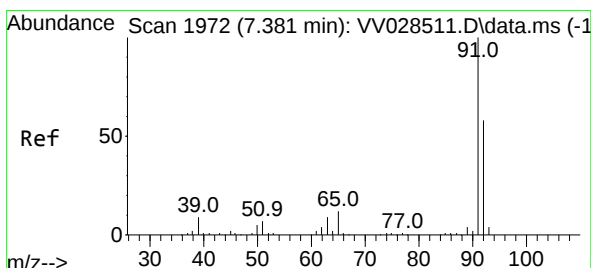
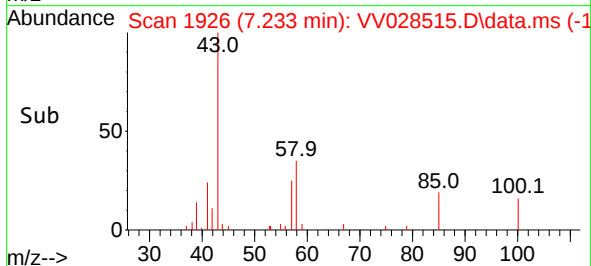
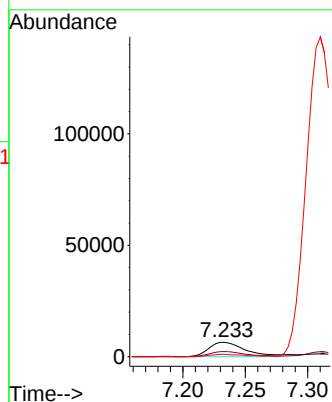
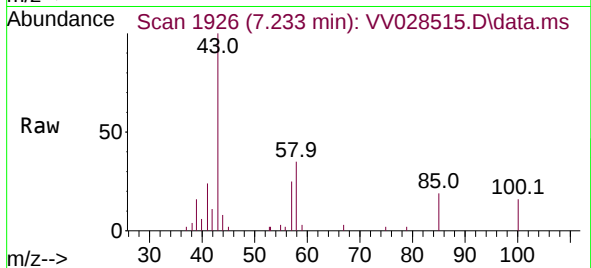
Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2022-08

Tgt Ion:	43	Resp:	13147
Ion	Ratio	Lower	Upper
43	100		
58	36.6	31.3	46.9
100	10.9	11.5	17.3



#42

Toluene

Concen: 2.134 ug/L

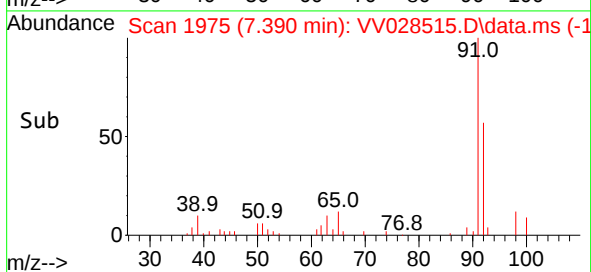
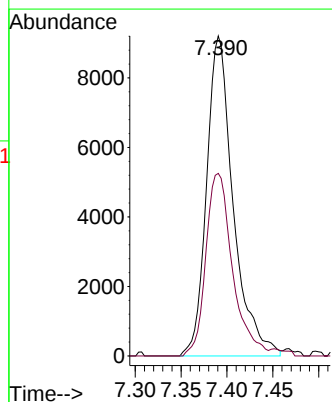
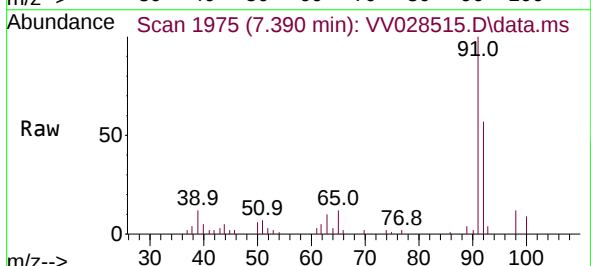
RT: 7.390 min Scan# 1975

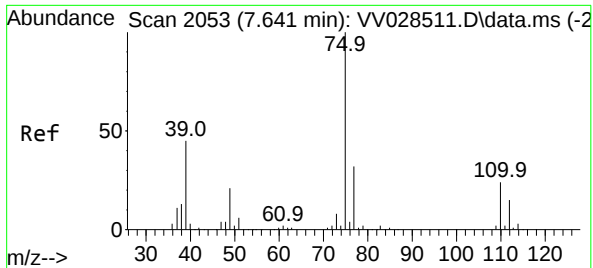
Delta R.T. 0.010 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

Tgt Ion:	91	Resp:	18623
Ion	Ratio	Lower	Upper
91	100		
92	57.0	40.9	76.0

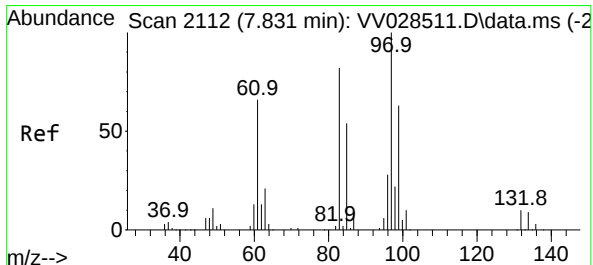
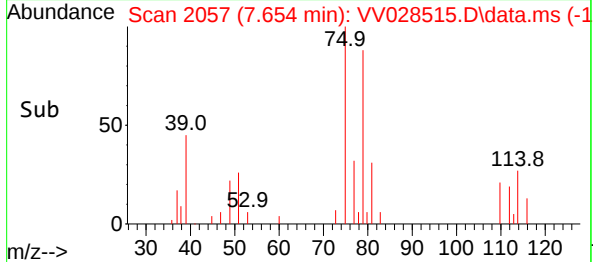
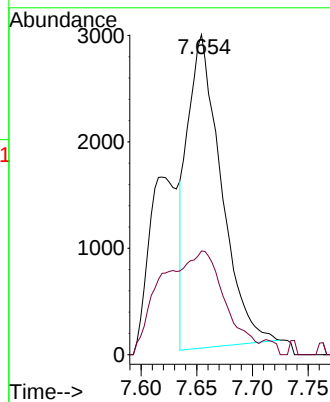
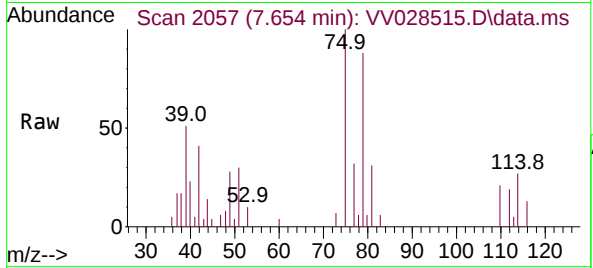




#44
trans-1,3-Dichloropropene
Concen: 1.788 ug/L
RT: 7.654 min Scan# 2057
Delta R.T. 0.013 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

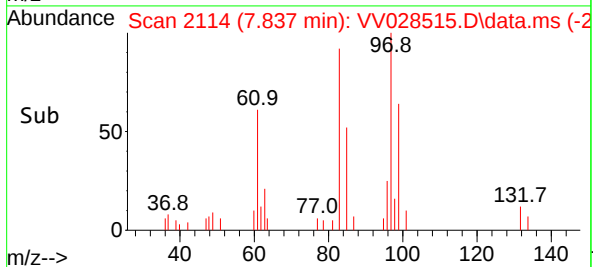
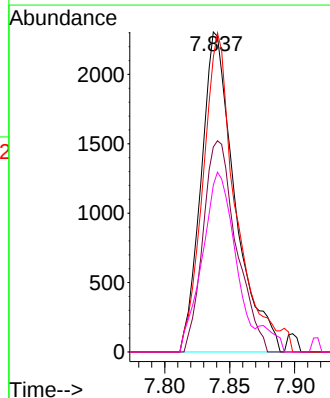
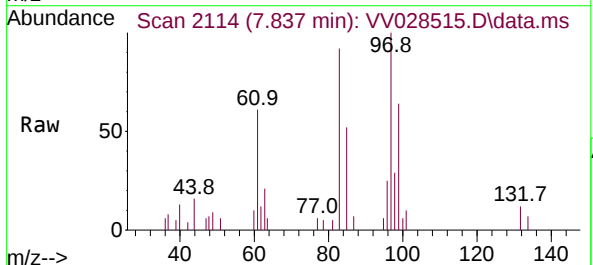
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

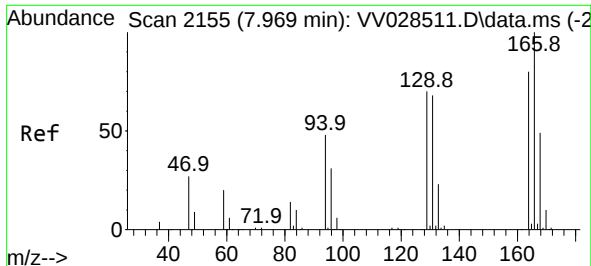
Tgt Ion: 75 Resp: 6196
Ion Ratio Lower Upper
75 100
77 32.4 21.8 40.4



#45
1,1,2-Trichloroethane
Concen: 1.989 ug/L
RT: 7.837 min Scan# 2114
Delta R.T. 0.006 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

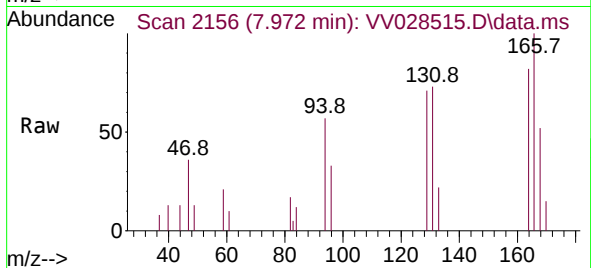
Tgt Ion: 97 Resp: 4182
Ion Ratio Lower Upper
97 100
99 64.1 43.9 81.5
83 92.1 61.9 114.9
85 52.2 39.1 72.5





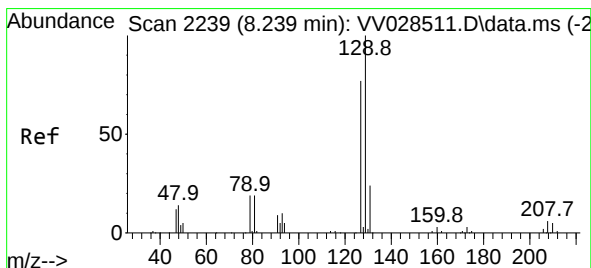
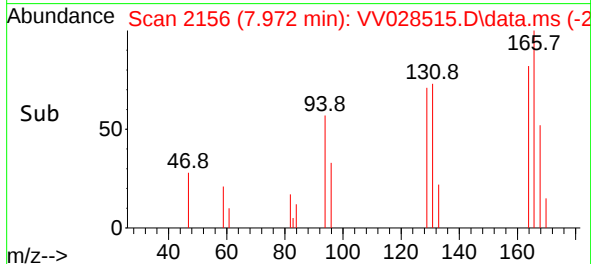
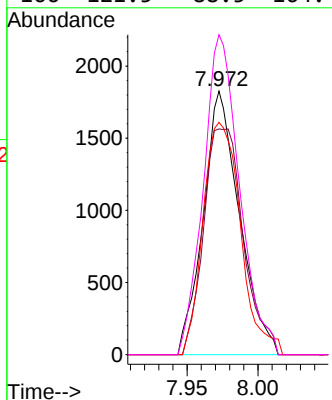
#46
Tetrachloroethene
Concen: 2.155 ug/L
RT: 7.972 min Scan# 2155
Delta R.T. 0.003 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08



Tgt Ion:164 Resp: 3252

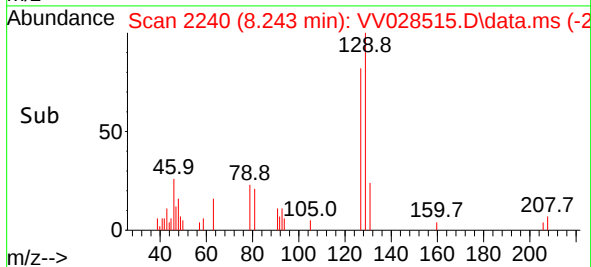
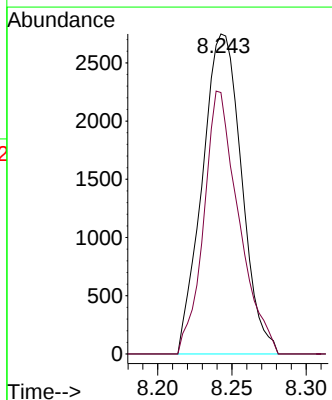
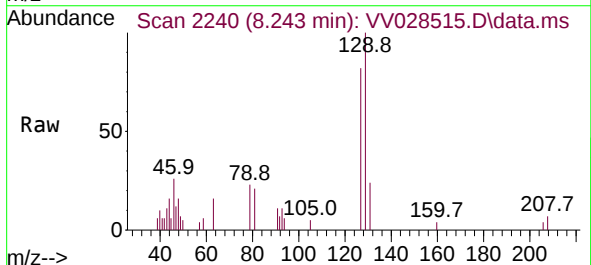
Ion	Ratio	Lower	Upper
164	100		
129	85.7	67.4	125.2
131	88.2	65.2	121.2
166	121.5	88.5	164.4

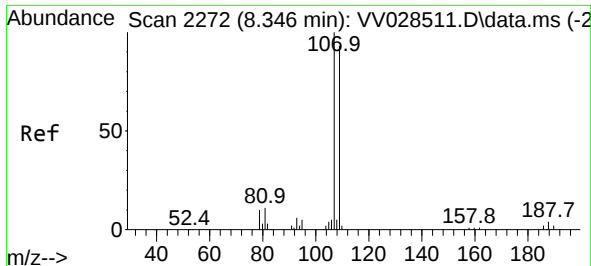


#49
Dibromochloromethane
Concen: 2.238 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.003 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Tgt Ion:129 Resp: 5058

Ion	Ratio	Lower	Upper
129	100		
127	81.7	53.6	99.6





#50

1,2-Dibromoethane

Concen: 2.018 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

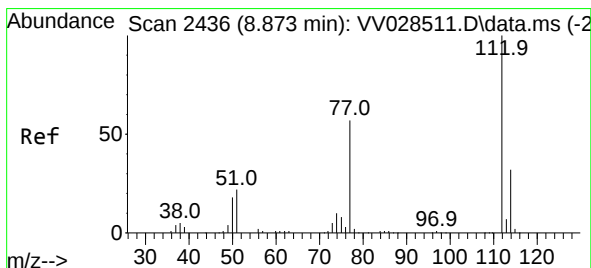
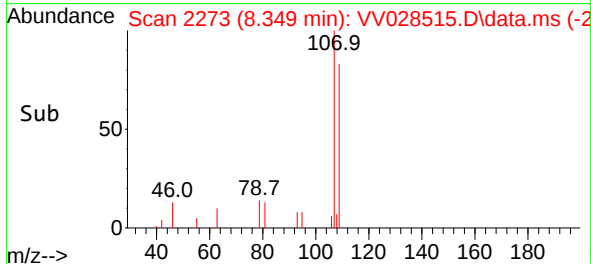
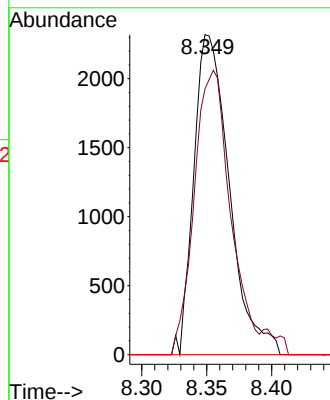
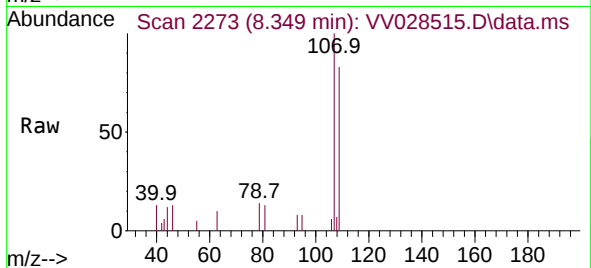
Instrument :

MSVOA_V

ClientSampleId :

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Tgt Ion:	107	Resp:	4393
Ion	Ratio	Lower	Upper
107	100		
109	83.1	65.9	122.5
188	0.0	3.0	4.4#



#51

Chlorobenzene

Concen: 2.155 ug/L

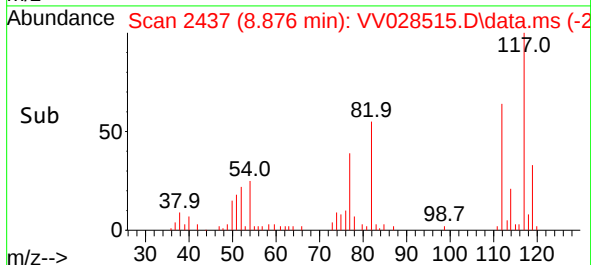
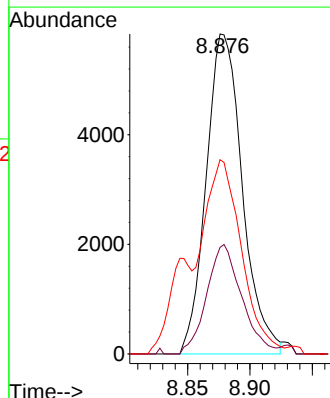
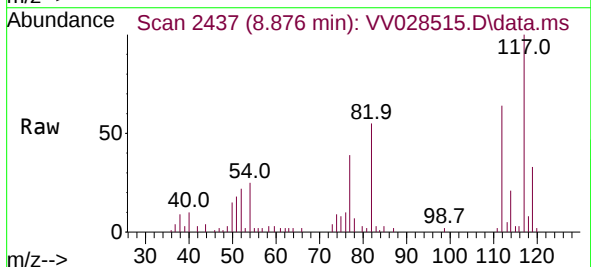
RT: 8.876 min Scan# 2437

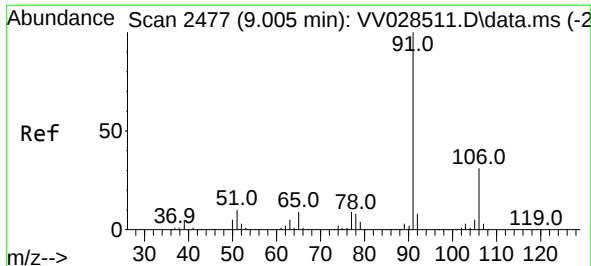
Delta R.T. 0.003 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

Tgt Ion:	112	Resp:	11802
Ion	Ratio	Lower	Upper
112	100		
114	33.3	21.7	40.3
77	60.7	48.7	73.1





#52

Ethylbenzene

Concen: 2.089 ug/L

RT: 9.011 min Scan# 2477

Delta R.T. 0.006 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

Instrument :

MSVOA_V

ClientSampleId :

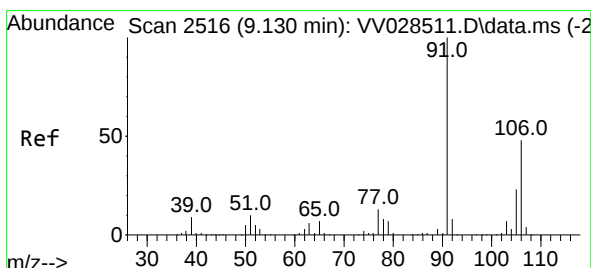
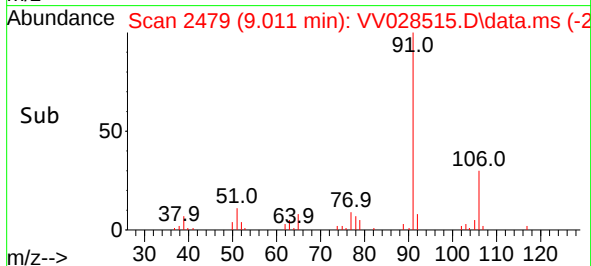
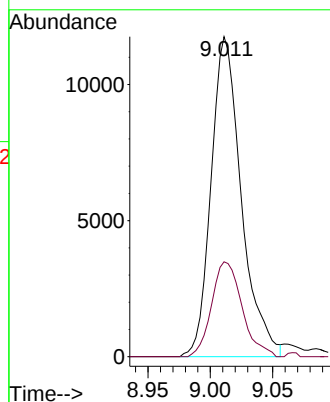
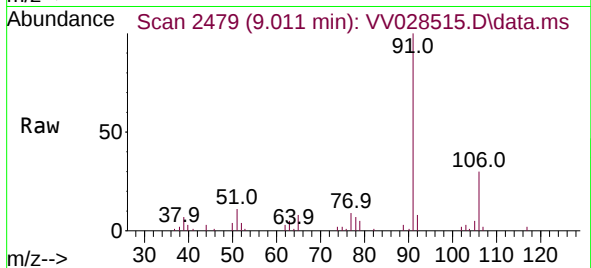
MDL-MED-SOIL-QT4-2022-08

Tgt Ion: 91 Resp: 19872

Ion Ratio Lower Upper

91 100

106 29.7 21.4 39.8



#53

m,p-Xylene

Concen: 2.083 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.010 min

Lab File: VV028515.D

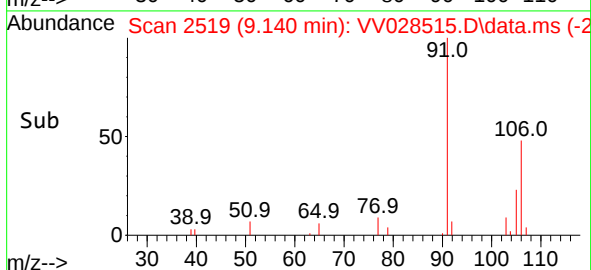
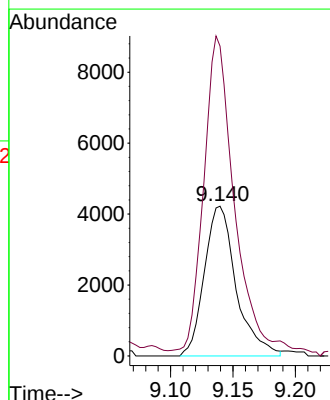
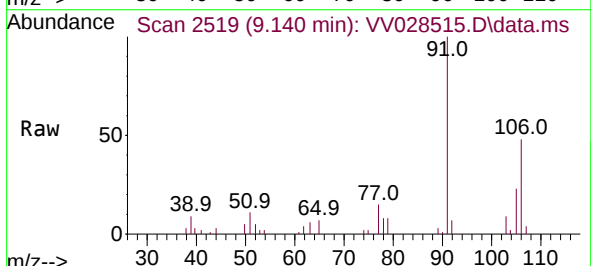
Acq: 11 Oct 2022 11:54

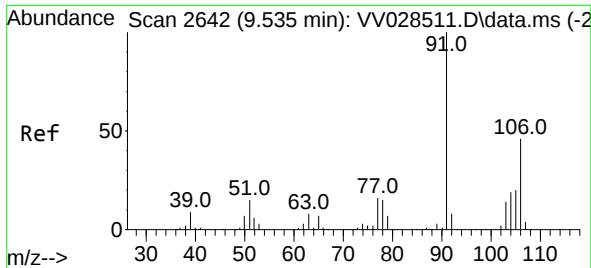
Tgt Ion: 106 Resp: 7511

Ion Ratio Lower Upper

106 100

91 206.8 145.2 269.6

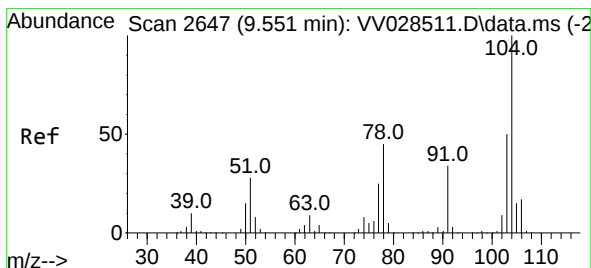
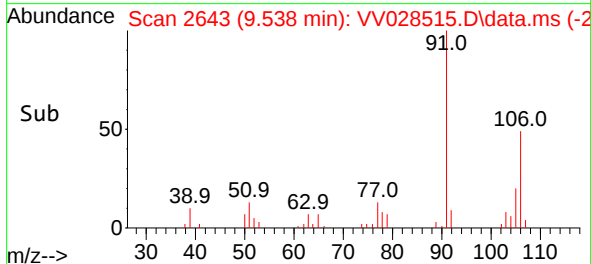
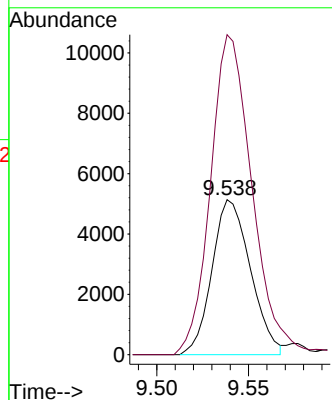
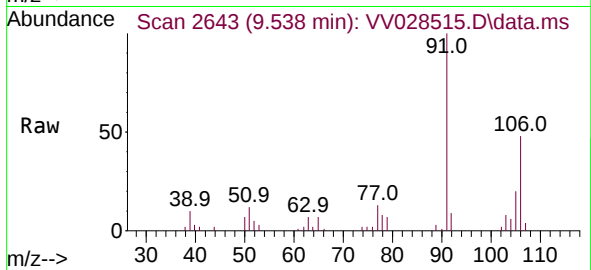




#54
o-Xylene
Concen: 2.072 ug/L
RT: 9.538 min Scan# 2643
Delta R.T. 0.003 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

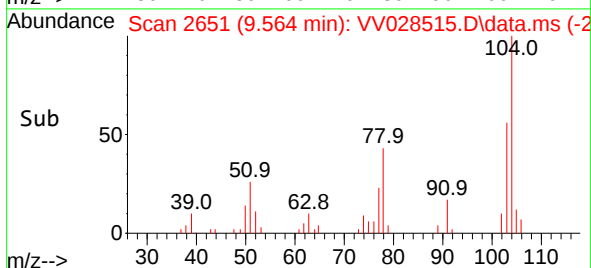
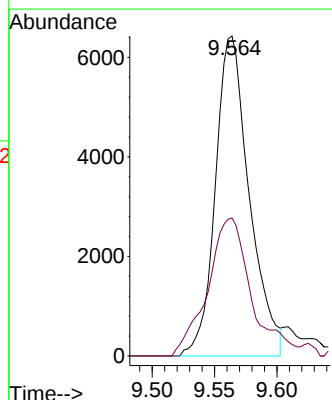
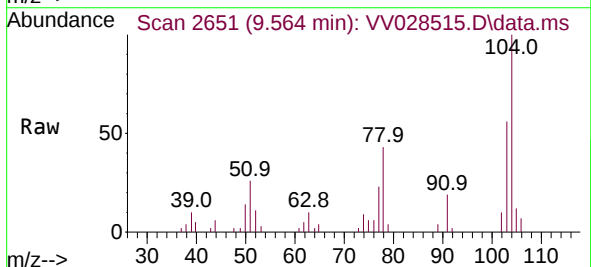
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

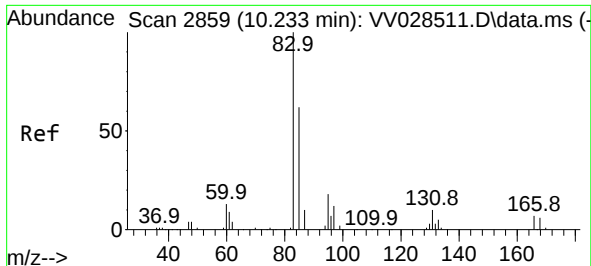
Tgt Ion:106 Resp: 7479
Ion Ratio Lower Upper
106 100
91 206.4 152.5 283.3



#55
Styrene
Concen: 1.967 ug/L
RT: 9.564 min Scan# 2651
Delta R.T. 0.013 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Tgt Ion:104 Resp: 12195
Ion Ratio Lower Upper
104 100
78 43.1 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 2.017 ug/L

RT: 10.233 min Scan# 2859

Delta R.T. -0.000 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2022-08

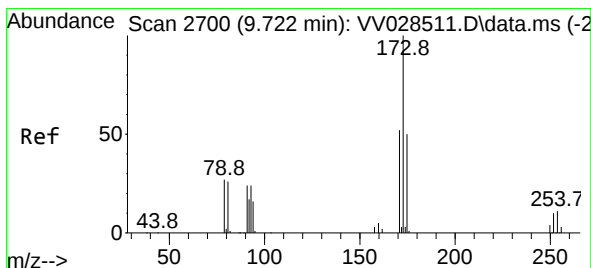
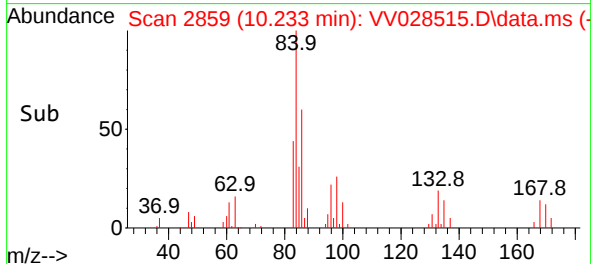
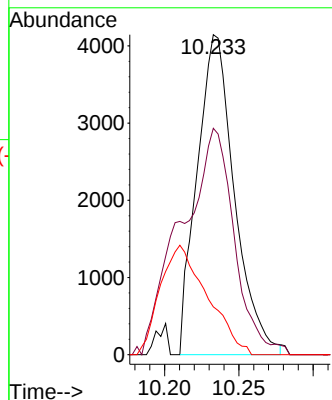
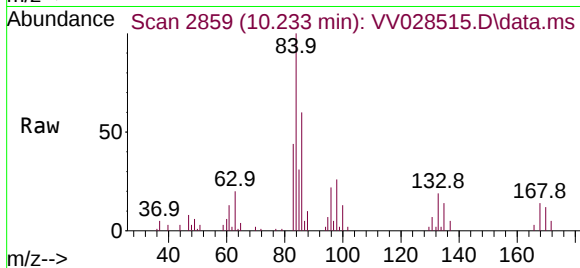
Tgt Ion: 83 Resp: 7261

Ion Ratio Lower Upper

83 100

85 70.8 44.8 83.2

131 15.0 7.2 10.8#



#59

Bromoform

Concen: 1.855 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.010 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

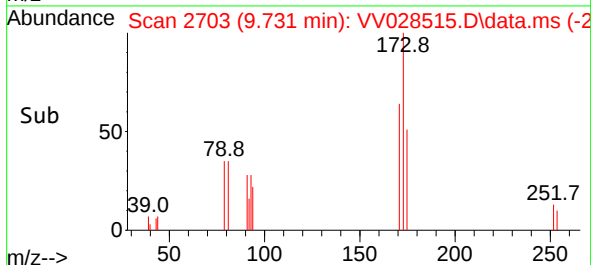
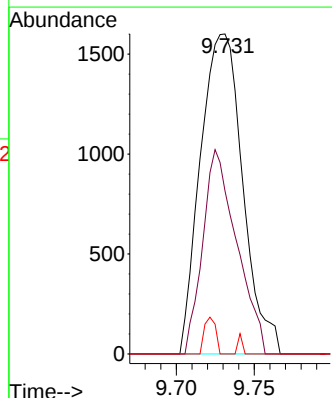
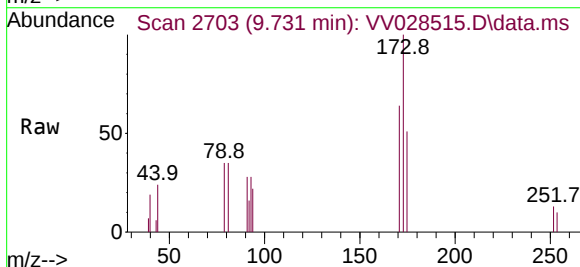
Tgt Ion: 173 Resp: 3023

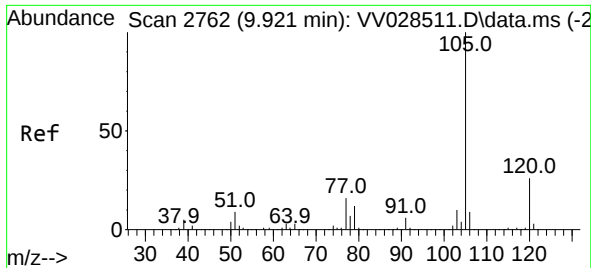
Ion Ratio Lower Upper

173 100

175 51.1 38.6 57.8

254 3.1 8.4 12.6#

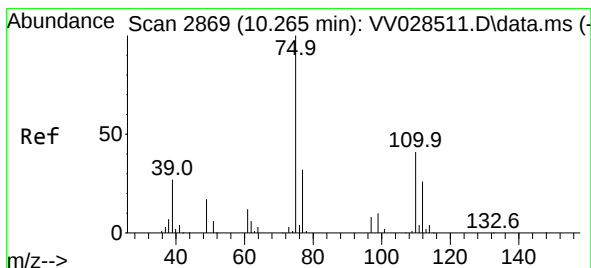
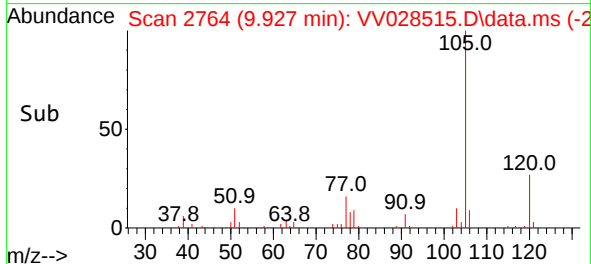
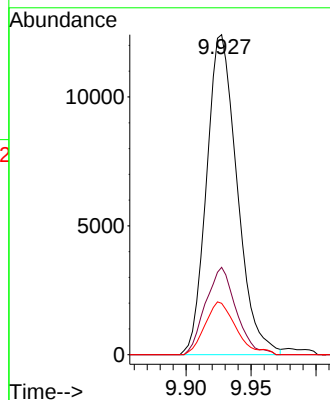
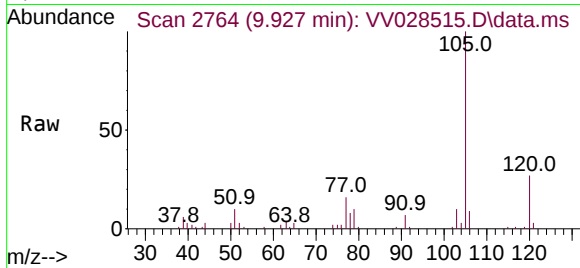




#60
Isopropylbenzene
Concen: 2.142 ug/L
RT: 9.927 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

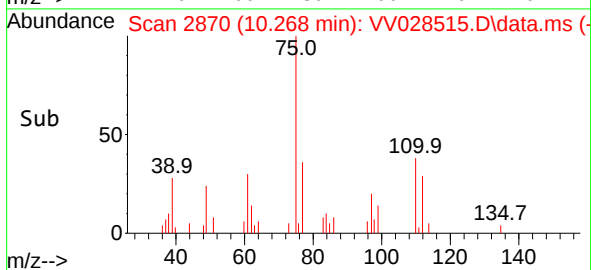
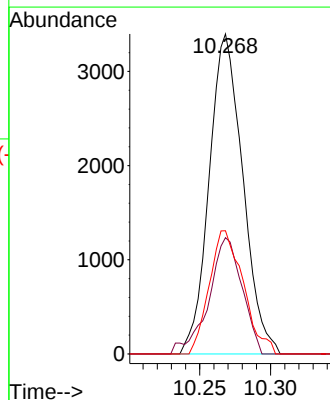
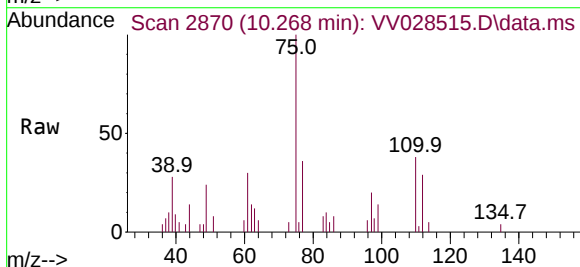
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

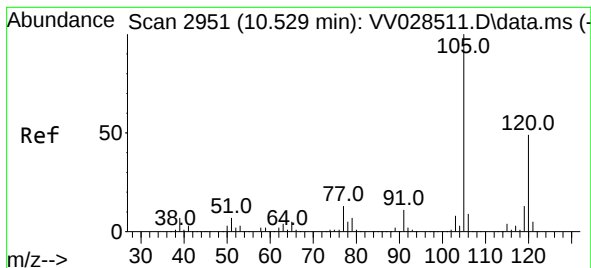
Tgt Ion:	105	Resp:	20310
Ion Ratio	Lower	Upper	
105	100		
120	27.3	20.5	30.7
77	16.3	12.7	19.1



#61
1,2,3-Trichloropropane
Concen: 2.003 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.003 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Tgt Ion:	75	Resp:	5609
Ion Ratio	Lower	Upper	
75	100		
77	34.7	25.7	38.5
110	39.0	30.0	45.0





#62

1,3,5-Trimethylbenzene

Concen: 2.040 ug/L

RT: 10.532 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

Instrument :

MSVOA_V

ClientSampleId :

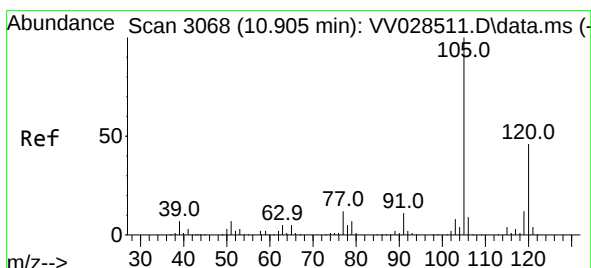
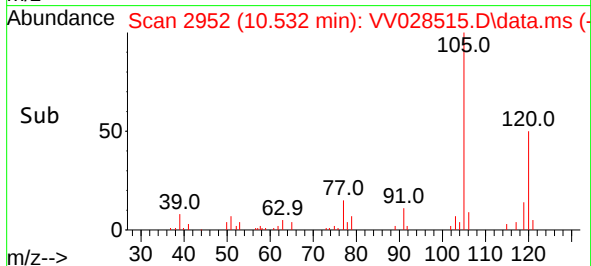
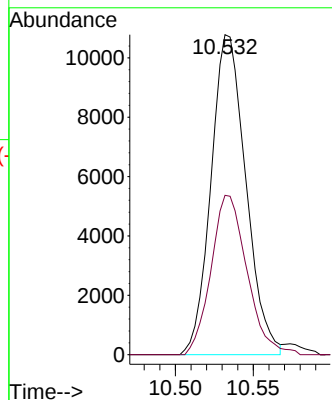
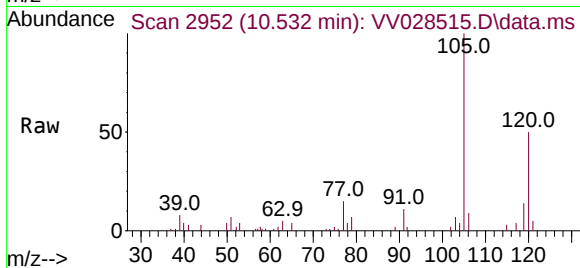
MDL-MED-SOIL-QT4-2022-08

Tgt Ion:105 Resp: 16750

Ion Ratio Lower Upper

105 100

120 51.4 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 2.020 ug/L

RT: 10.908 min Scan# 3069

Delta R.T. 0.003 min

Lab File: VV028515.D

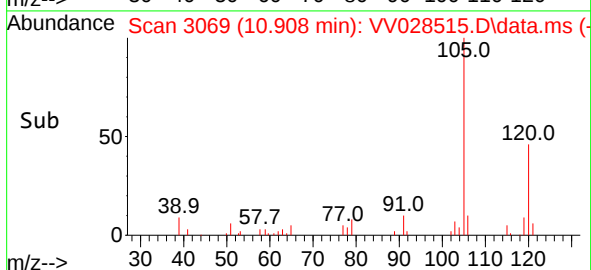
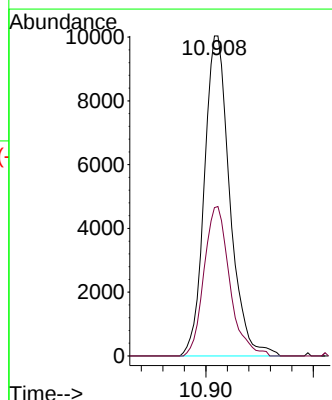
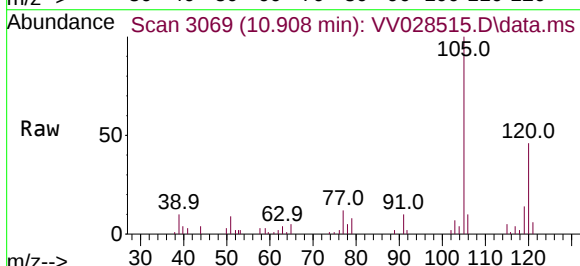
Acq: 11 Oct 2022 11:54

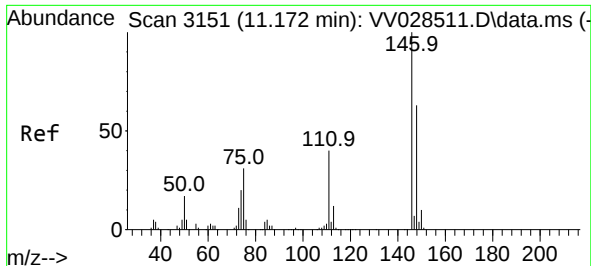
Tgt Ion:105 Resp: 16461

Ion Ratio Lower Upper

105 100

120 46.8 35.9 53.9

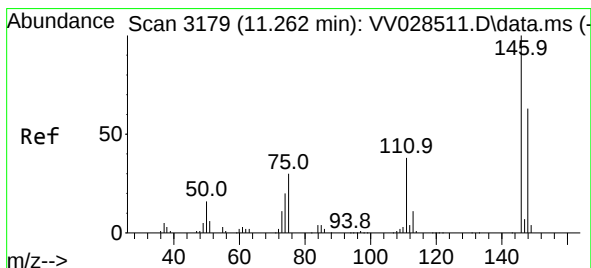
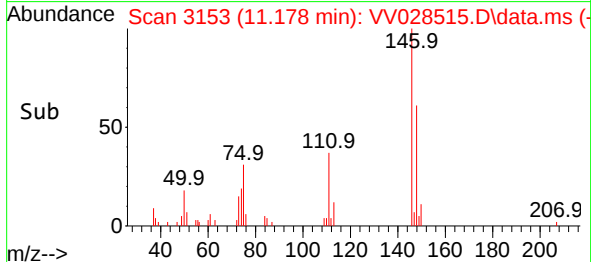
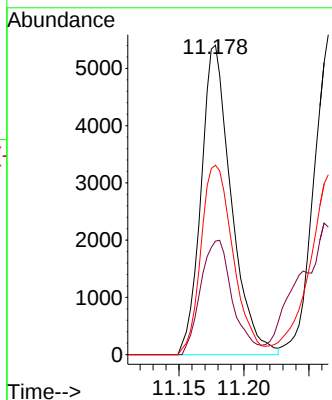
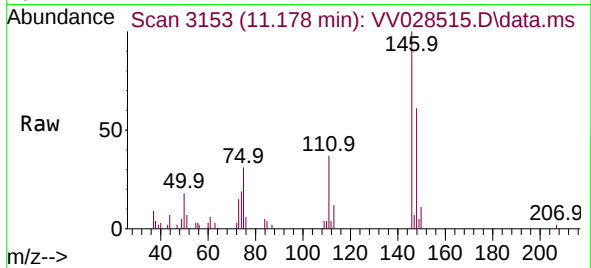




#64
1,3-Dichlorobenzene
Concen: 2.109 ug/L
RT: 11.178 min Scan# 3151
Delta R.T. 0.006 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

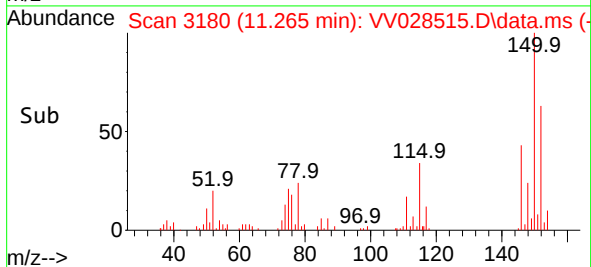
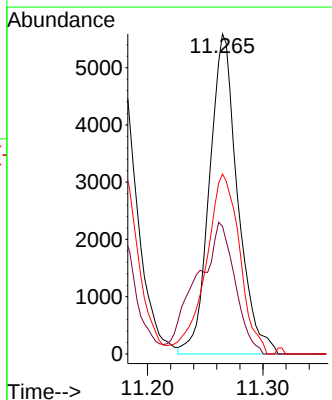
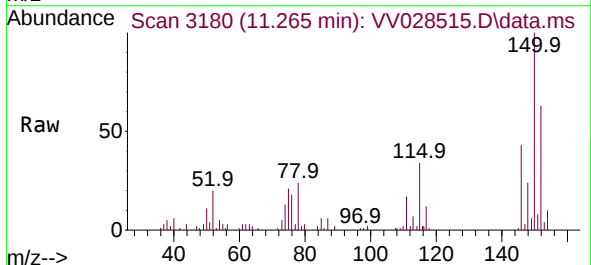
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

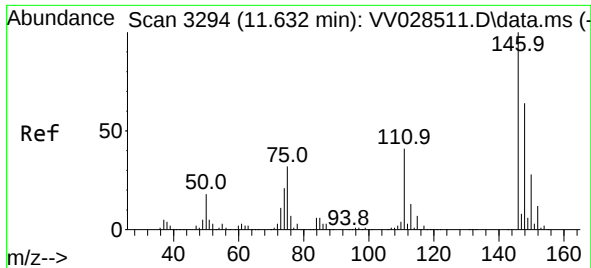
Tgt Ion:146 Resp: 8745
Ion Ratio Lower Upper
146 100
111 36.7 29.0 53.9
148 61.2 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 2.289 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Tgt Ion:146 Resp: 9469
Ion Ratio Lower Upper
146 100
111 39.9 26.6 49.4
148 56.3 43.4 80.6

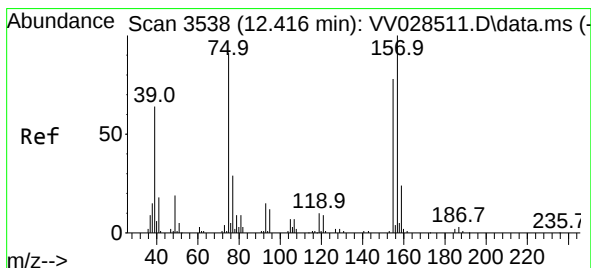
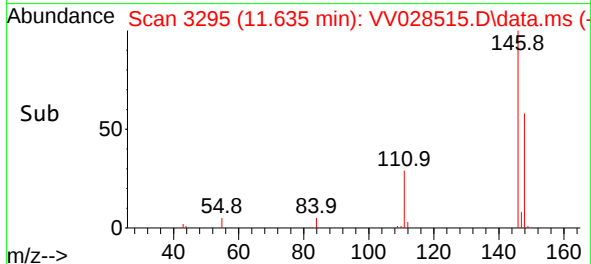
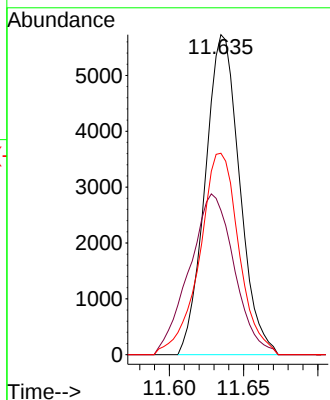
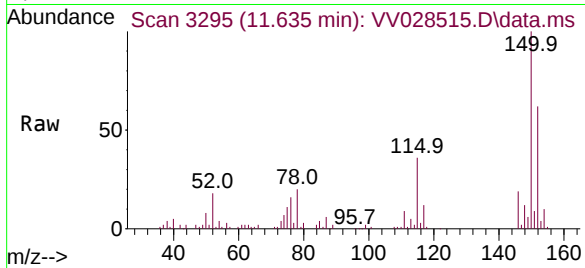




#67
1,2-Dichlorobenzene
Concen: 2.209 ug/L
RT: 11.635 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

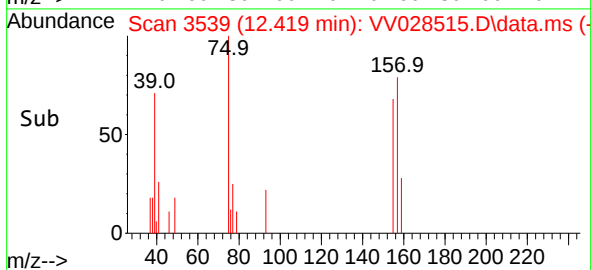
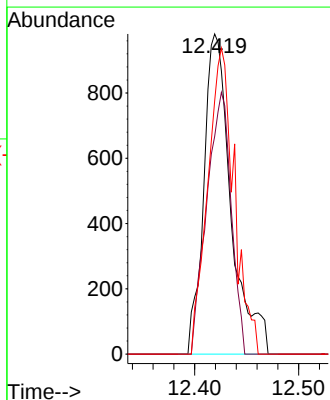
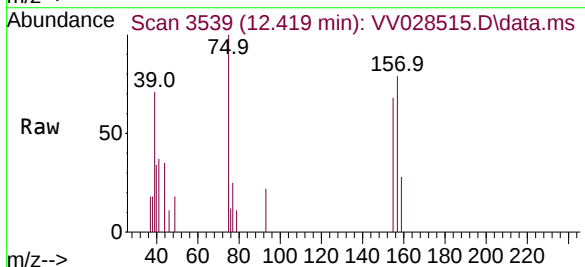
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

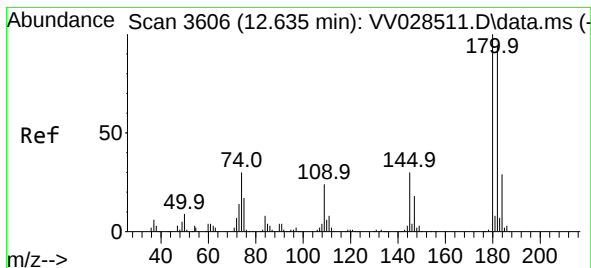
Tgt Ion:146 Resp: 9247
Ion Ratio Lower Upper
146 100
111 45.1 33.9 50.9
148 63.0 50.6 75.8



#68
1,2-Dibromo-3-chloropropane
Concen: 2.088 ug/L
RT: 12.419 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Tgt Ion: 75 Resp: 1790
Ion Ratio Lower Upper
75 100
155 68.0 65.0 97.6
157 79.1 86.0 129.0#





#69

1,3,5-Trichlorobenzene

Concen: 2.013 ug/L

RT: 12.638 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2022-08

Tgt Ion:180 Resp: 6339

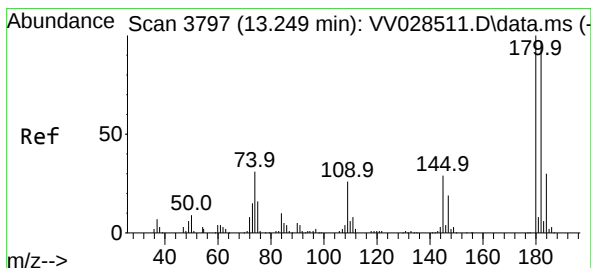
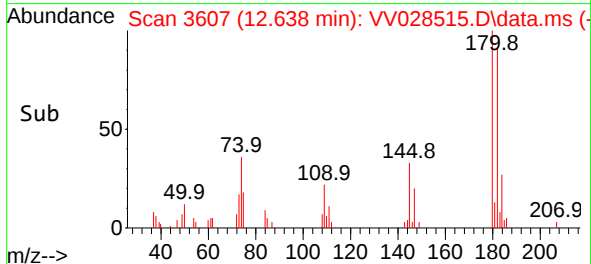
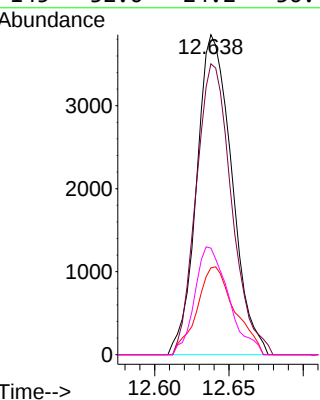
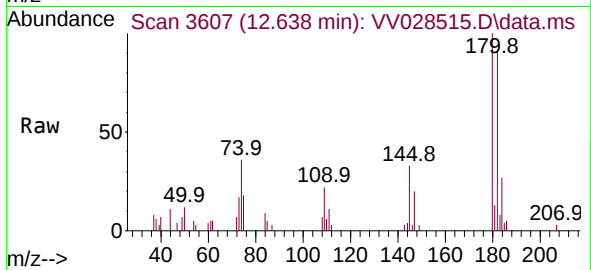
Ion Ratio Lower Upper

180 100

182 91.5 75.9 113.9

184 29.4 24.0 36.0

145 32.6 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 1.819 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. 0.010 min

Lab File: VV028515.D

Acq: 11 Oct 2022 11:54

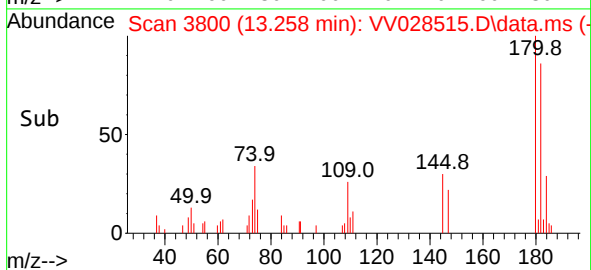
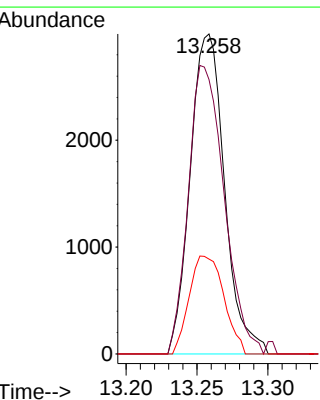
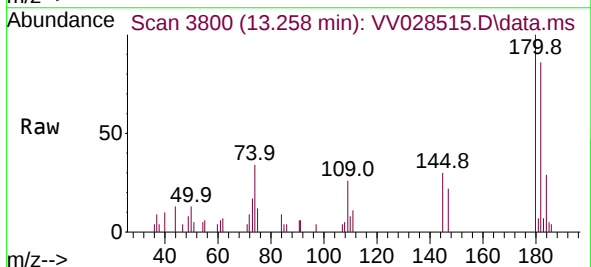
Tgt Ion:180 Resp: 5050

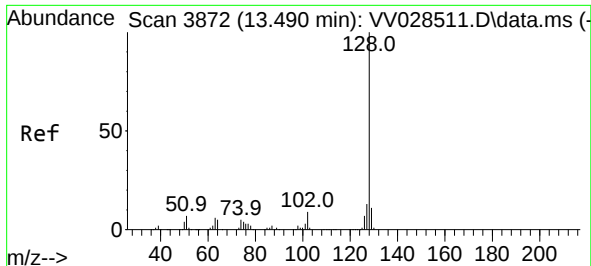
Ion Ratio Lower Upper

180 100

182 93.9 75.3 112.9

145 30.8 24.3 36.5

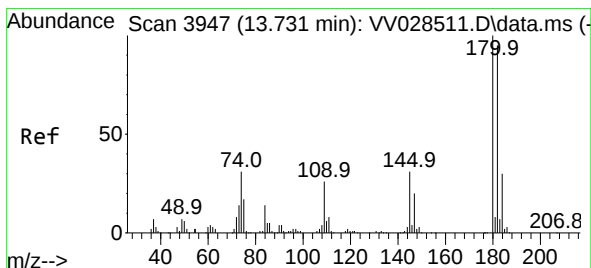
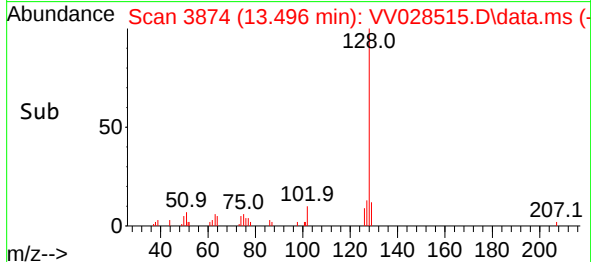
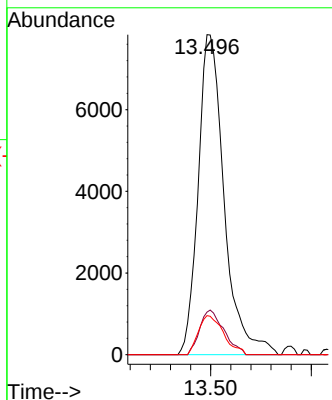
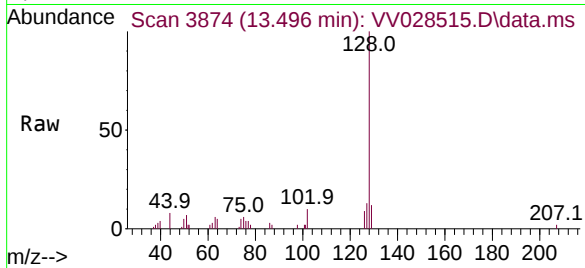




#71
Naphthalene
Concen: 1.631 ug/L
RT: 13.496 min Scan# 3872
Delta R.T. 0.006 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2022-08

Tgt Ion:	128	Resp:	14083
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	11.8	8.9	13.3



#72
1,2,3-Trichlorobenzene
Concen: 1.888 ug/L
RT: 13.734 min Scan# 3948
Delta R.T. 0.003 min
Lab File: VV028515.D
Acq: 11 Oct 2022 11:54

Tgt Ion:	180	Resp:	5109
Ion Ratio	Lower	Upper	
180	100		
182	102.0	75.4	113.0
145	30.9	26.5	39.7

