

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051921\
 Data File : VU043822.D
 Acq On : 19 May 2021 12:41
 Operator : SY/MD
 Sample : M2250-06
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-MED-SOIL-QT3-2021-06

Quant Time: May 20 03:29:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051421WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 20 03:28:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	459469	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	448974	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	224522	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	153605	40.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.76%
7) Chloroethane-d5	1.903	69	109037	39.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.72%
11) 1,1-Dichloroethene-d2	2.568	63	213629	32.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.96%
21) 2-Butanone-d5	4.629	46	266659	89.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.61%
24) Chloroform-d	5.070	84	298514	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.48%
26) 1,2-Dichloroethane-d4	5.710	65	188455	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.18%
32) Benzene-d6	5.735	84	632082	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.02%
36) 1,2-Dichloropropane-d6	6.697	67	205308	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.62%
41) Toluene-d8	7.906	98	559406	46.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.44%
43) trans-1,3-Dichloroprop...	8.185	79	89260	47.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.08%
47) 2-Hexanone-d5	8.639	63	189612	91.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.24%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	311830	47.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.96%
66) 1,2-Dichlorobenzene-d4	12.201	152	229107	51.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.40%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	8701	2.25	ug/L	96
3) Chloromethane	1.520	50	11333	2.42	ug/L	97
5) Vinyl chloride	1.607	62	10123	2.23	ug/L #	68
6) Bromomethane	1.838	94	5625	2.54	ug/L	98
8) Chloroethane	1.925	64	5554	2.16	ug/L	91
9) Trichlorofluoromethane	2.134	101	11343	2.21	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	9878	2.94	ug/L	87
12) 1,1-Dichloroethene	2.581	96	9153	2.76	ug/L #	1
13) Acetone	2.633	43	9905	4.77	ug/L	98
14) Carbon disulfide	2.797	76	24359	2.33	ug/L	99
15) Methyl Acetate	2.954	43	10373	2.20	ug/L	100
16) Methylene chloride	3.051	84	10820	2.18	ug/L	94
17) trans-1,2-Dichloroethene	3.356	96	7983	2.33	ug/L	90
18) Methyl tert-butyl Ether	3.369	73	21865	2.10	ug/L	98
19) 1,1-Dichloroethane	3.877	63	14437	2.15	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	8876	2.35	ug/L	99
22) 2-Butanone	4.713	43	14492	4.24	ug/L	95
23) Bromochloromethane	4.983	128	4498	2.19	ug/L	92
25) Chloroform	5.096	83	16909	2.57	ug/L	93

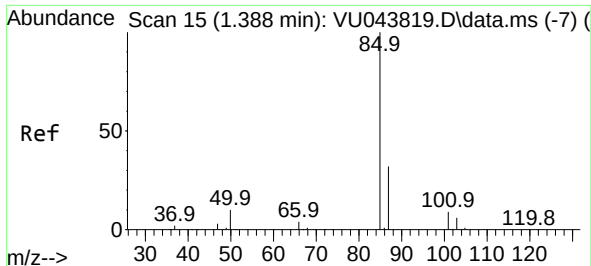
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051921\
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 Quant Title : VOC Analysis
 QLast Update : Thu May 20 03:28:54 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.803	62	11838	2.34	ug/L	98
29) Cyclohexane	5.395	56	10999	1.84	ug/L	89
30) 1,1,1-Trichloroethane	5.324	97	12229	2.26	ug/L	98
31) Carbon tetrachloride	5.530	117	9536	2.15	ug/L	99
33) Benzene	5.780	78	33484	2.21	ug/L	100
34) Trichloroethene	6.549	95	8370	2.27	ug/L	97
35) Methylcyclohexane	6.771	83	12147	2.08	ug/L	95
37) 1,2-Dichloropropane	6.800	63	9521	2.30	ug/L #	95
38) Bromodichloromethane	7.115	83	10356	2.11	ug/L	94
39) cis-1,3-Dichloropropene	7.616	75	11783	2.08	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	22626	3.63	ug/L	98
42) Toluene	7.976	91	42937	2.71	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	14867	2.79	ug/L	94
45) 1,1,2-Trichloroethane	8.407	97	8708	2.28	ug/L	100
46) Tetrachloroethene	8.558	164	7093	2.44	ug/L	89
48) 2-Hexanone	8.690	43	26580	5.31	ug/L	98
49) Dibromochloromethane	8.816	129	8552	2.18	ug/L	97
50) 1,2-Dibromoethane	8.928	107	8761	2.21	ug/L	97
51) Chlorobenzene	9.452	112	22488	2.29	ug/L	97
52) Ethylbenzene	9.574	91	32594	1.99	ug/L	97
53) m,p-Xylene	9.700	106	12205	1.97	ug/L	100
54) o-xylene	10.108	106	11398	1.86	ug/L	89
55) Styrene	10.121	104	18583	1.80	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.790	83	15888	2.28	ug/L	95
59) Bromoform	10.298	173	6543	2.23	ug/L #	97
60) 1,2,3-Trichloropropane	10.832	75	12383	2.36	ug/L	98
61) Isopropylbenzene	10.491	105	27981	1.91	ug/L	98
62) 1,3,5-Trimethylbenzene	11.095	105	20506	1.68	ug/L	97
63) 1,2,4-Trimethylbenzene	11.475	105	21003	1.72	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	15833	2.22	ug/L	95
65) 1,4-Dichlorobenzene	11.844	146	17032	2.34	ug/L	94
67) 1,2-Dichlorobenzene	12.217	146	18524	2.49	ug/L	94
68) 1,2-Dibromo-3-chloropr...	13.005	75	2772	1.93	ug/L	98
69) 1,3,5-Trichlorobenzene	13.227	180	12388	2.34	ug/L	97
70) 1,2,4-trichlorobenzene	13.848	180	9590	2.12	ug/L	96
71) Naphthalene	14.095	128	25462	1.69	ug/L	99
72) 1,2,3-Trichlorobenzene	14.336	180	10169	2.14	ug/L	99

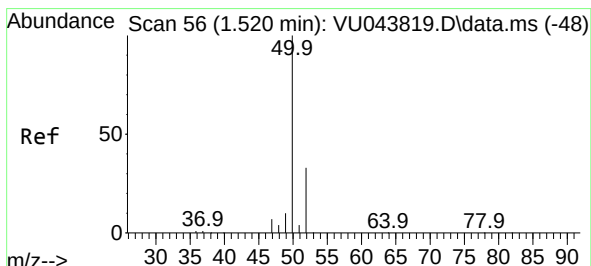
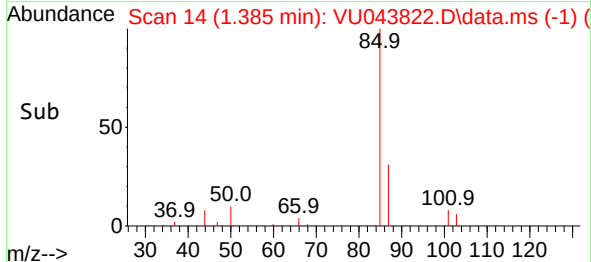
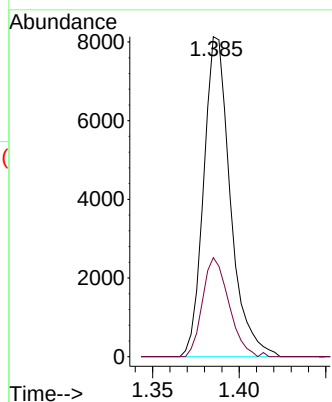
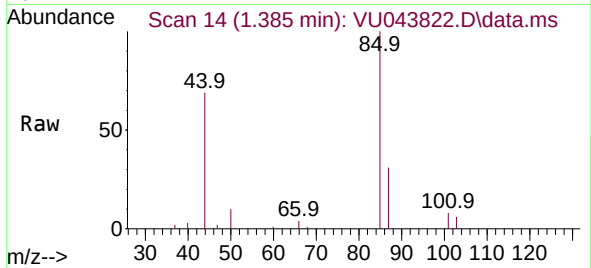
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#2
Dichlorodifluoromethane
Concen: 2.25 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

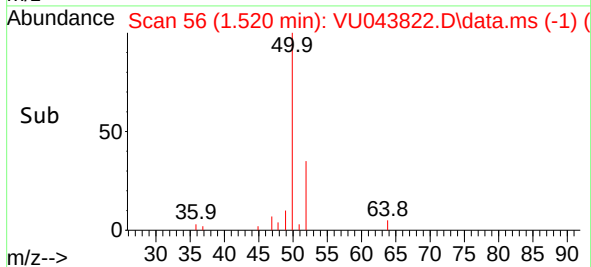
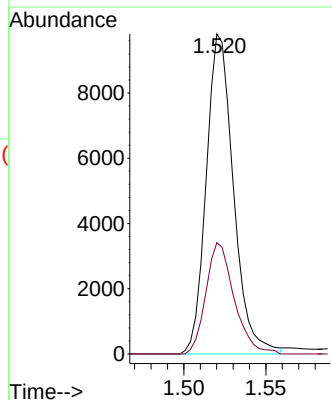
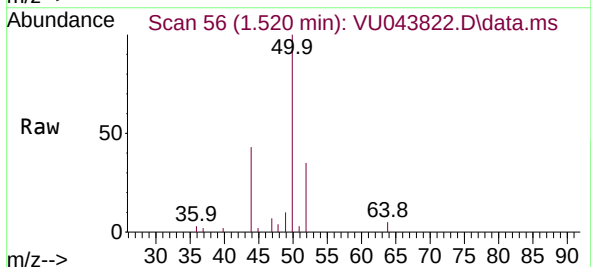
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

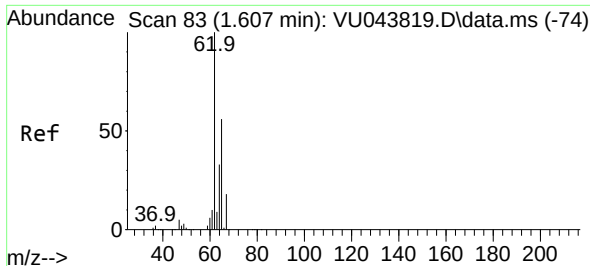
Tgt Ion: 85 Resp: 8701
Ion Ratio Lower Upper
85 100
87 30.3 25.9 38.9



#3
Chloromethane
Concen: 2.42 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion: 50 Resp: 11333
Ion Ratio Lower Upper
50 100
52 34.8 23.2 43.2

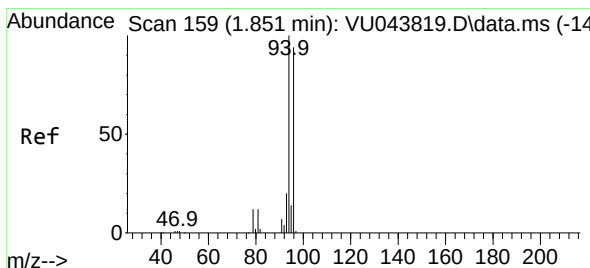
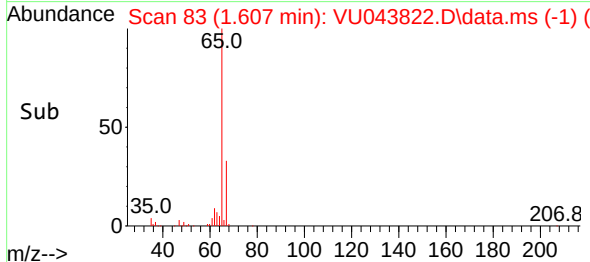
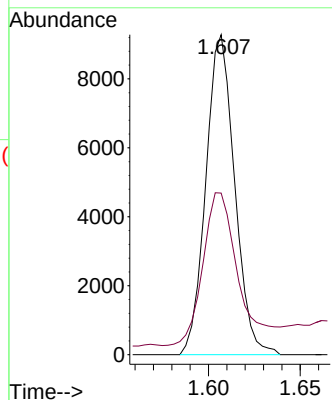
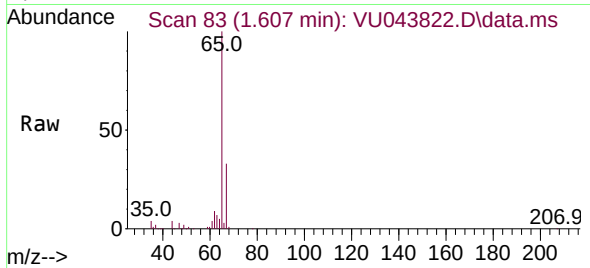




#5
 Vinyl chloride
 Concen: 2.23 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU043822.D
 Acq: 19 May 2021 12:41

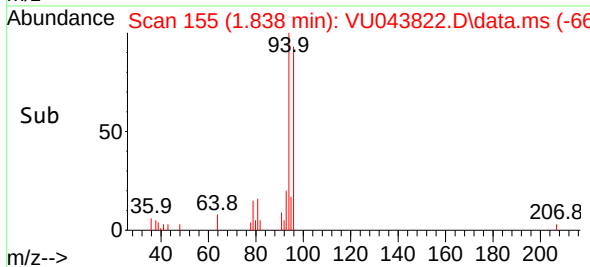
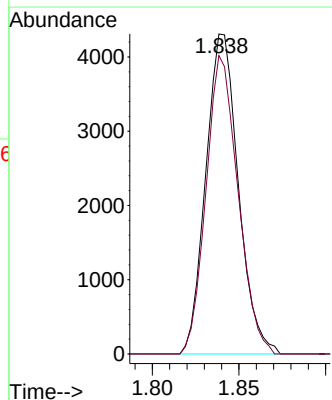
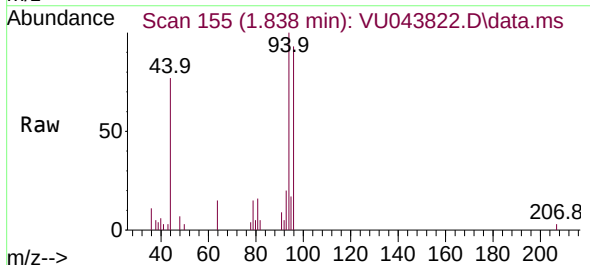
Instrument :
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 ClientSampleId :
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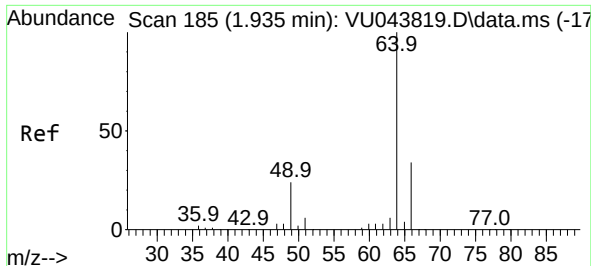
Tgt Ion: 62 Resp: 10123
 Ion Ratio Lower Upper
 62 100
 64 50.5 22.9 42.5#



#6
 Bromomethane
 Concen: 2.54 ug/L
 RT: 1.838 min Scan# 155
 Delta R.T. -0.013 min
 Lab File: VU043822.D
 Acq: 19 May 2021 12:41

Tgt Ion: 94 Resp: 5625
 Ion Ratio Lower Upper
 94 100
 96 93.3 64.2 119.2

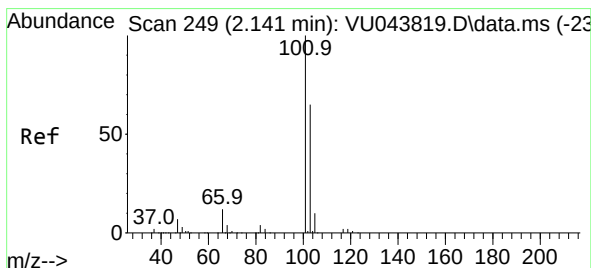
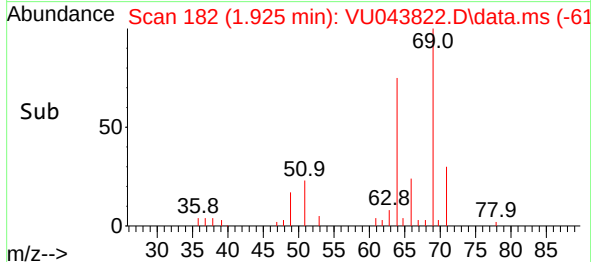
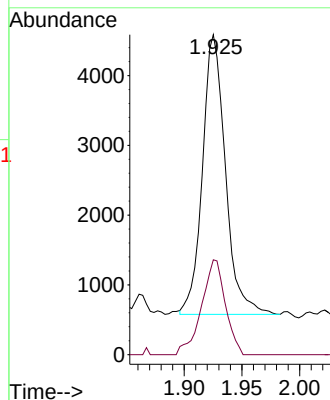
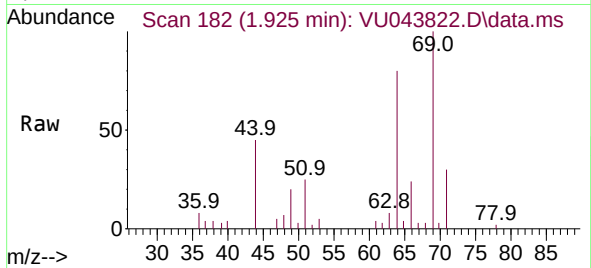




#8
Chloroethane
Concen: 2.16 ug/L
RT: 1.925 min Scan# 182
Delta R.T. -0.010 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

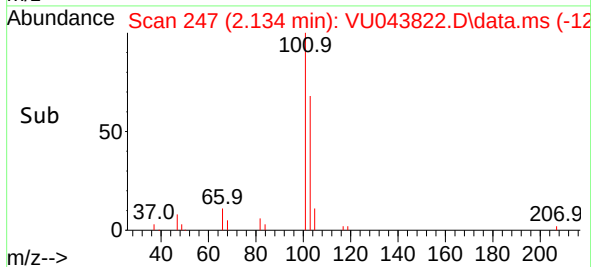
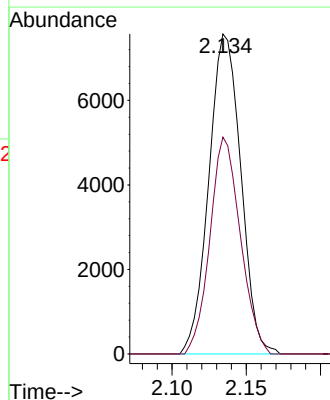
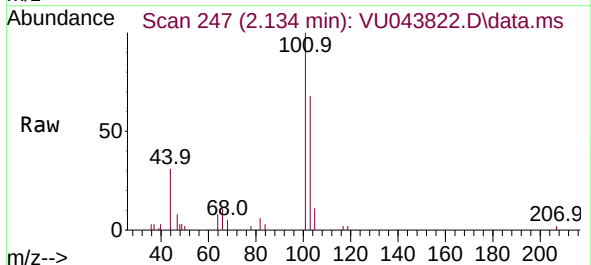
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

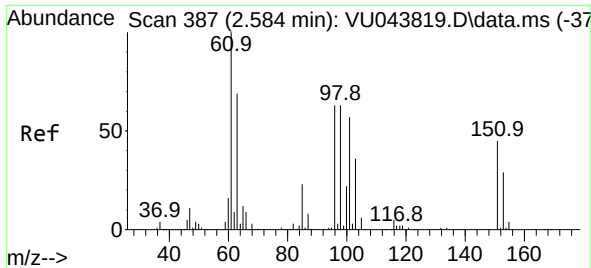
Tgt Ion: 64 Resp: 5554
Ion Ratio Lower Upper
64 100
66 28.1 23.2 43.2



#9
Trichlorofluoromethane
Concen: 2.21 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.006 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion:101 Resp: 11343
Ion Ratio Lower Upper
101 100
103 64.4 52.3 78.5

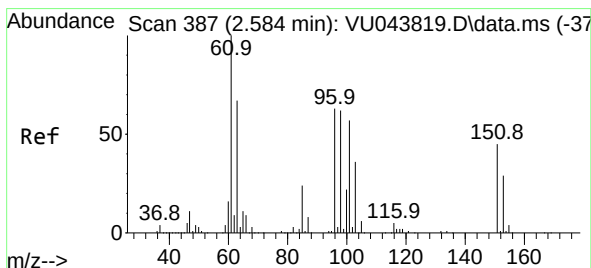
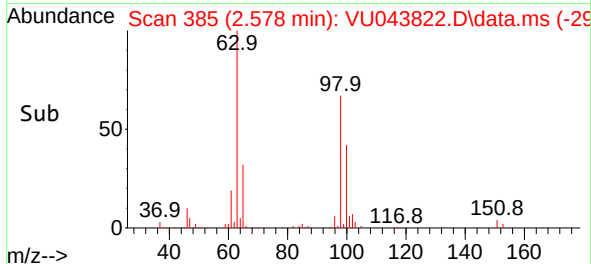
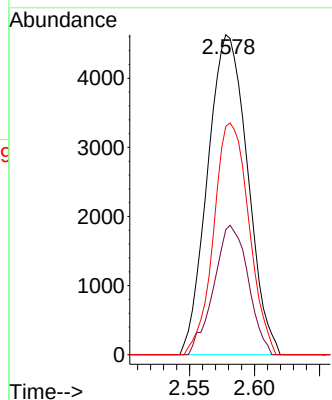
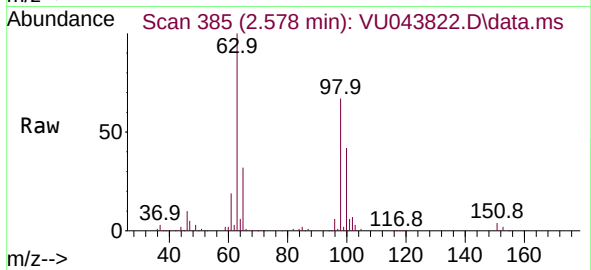




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.94 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.006 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

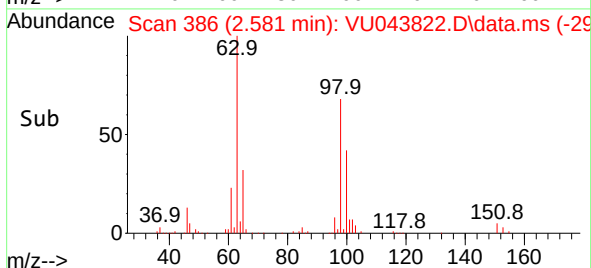
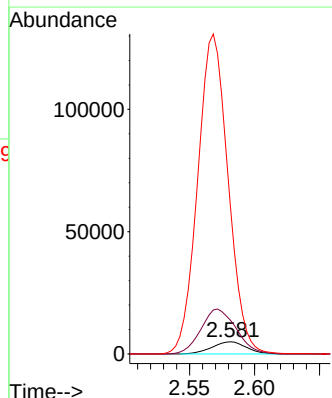
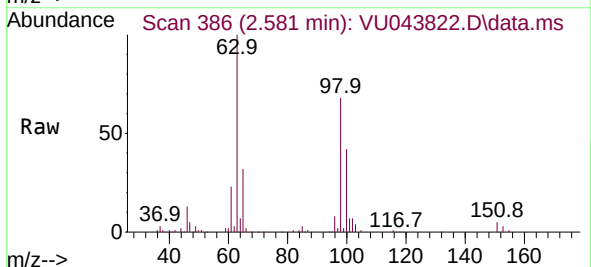
Instrument :
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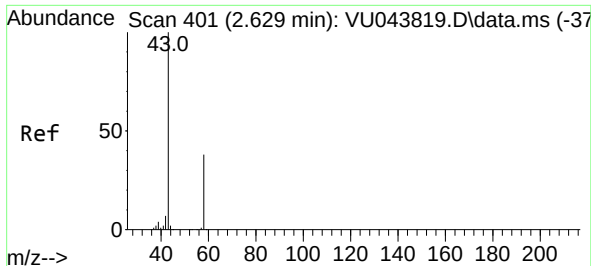
Tgt Ion:101 Resp: 9878
Ion Ratio Lower Upper
101 100
85 34.8 34.2 51.4
151 64.0 60.4 90.6



#12
1,1-Dichloroethene
Concen: 2.76 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion: 96 Resp: 9153
Ion Ratio Lower Upper
96 100
61 278.4 116.3 215.9#
63 1235.8 80.8 150.2#

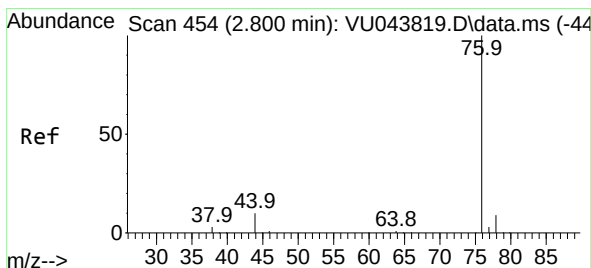
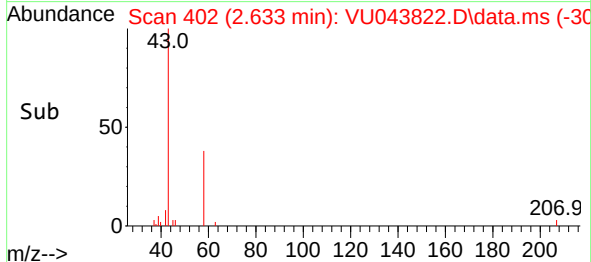
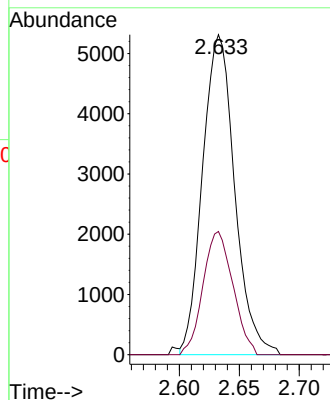
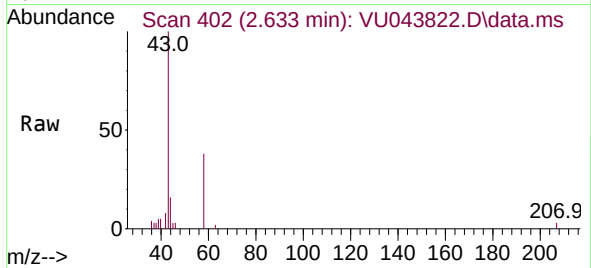




#13
Acetone
Concen: 4.77 ug/L
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

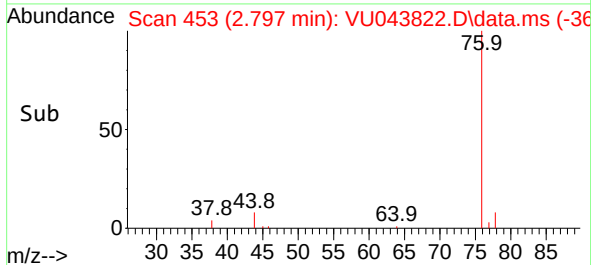
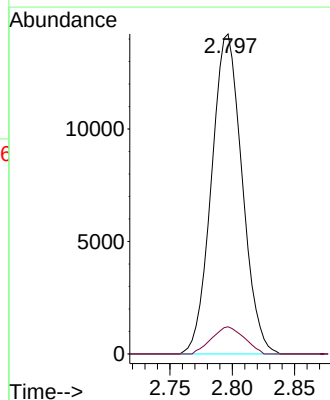
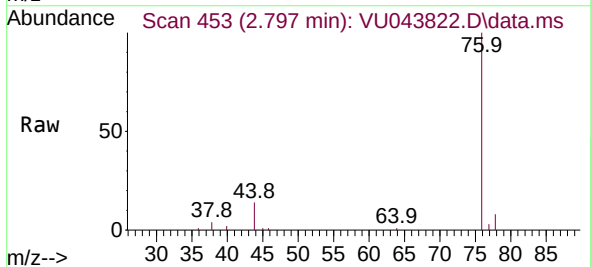
Instrument :
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ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

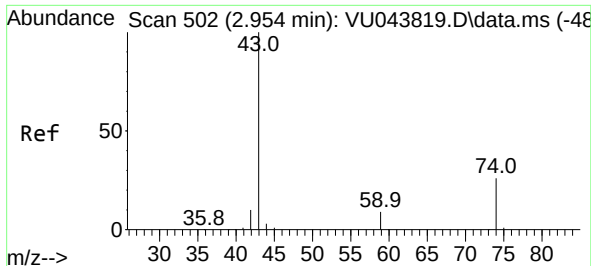
Tgt Ion: 43 Resp: 9905
Ion Ratio Lower Upper
43 100
58 35.8 0.0 69.4



#14
Carbon disulfide
Concen: 2.33 ug/L
RT: 2.797 min Scan# 453
Delta R.T. -0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion: 76 Resp: 24359
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7

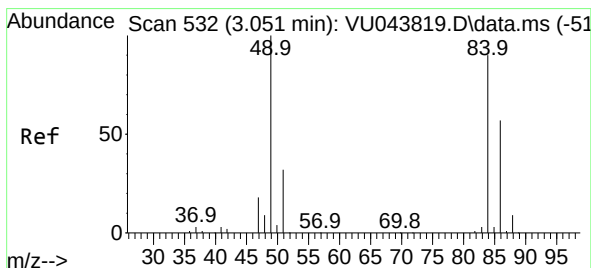
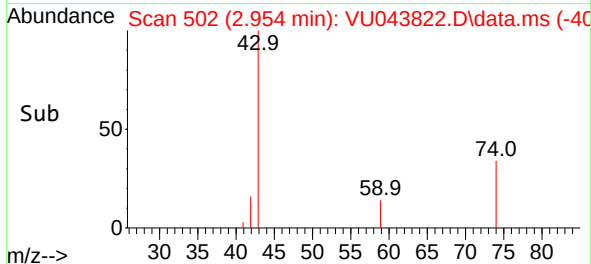
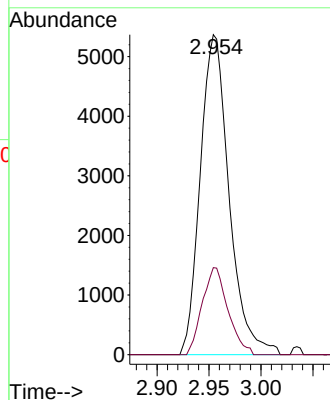
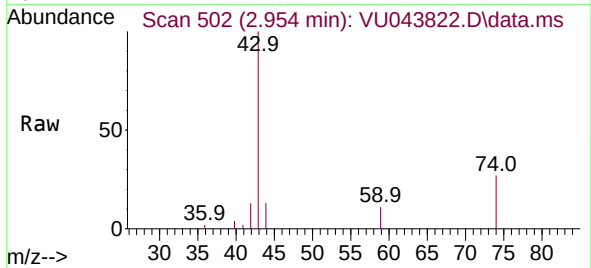




#15
Methyl Acetate
Concen: 2.20 ug/L
RT: 2.954 min Scan# 502
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

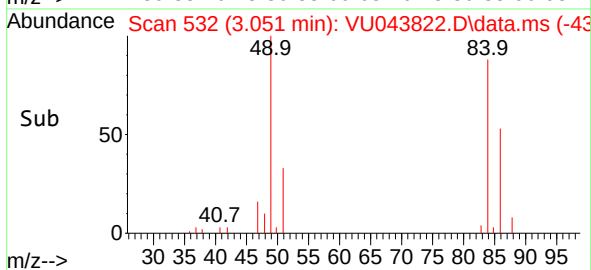
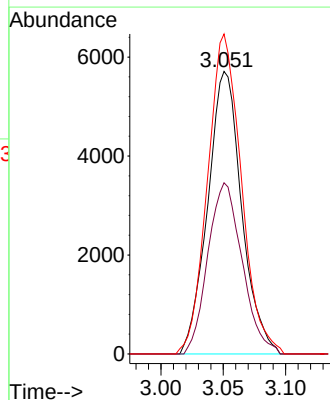
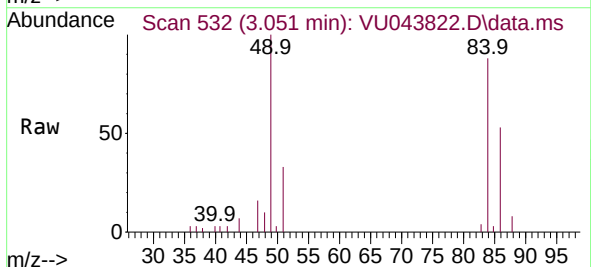
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

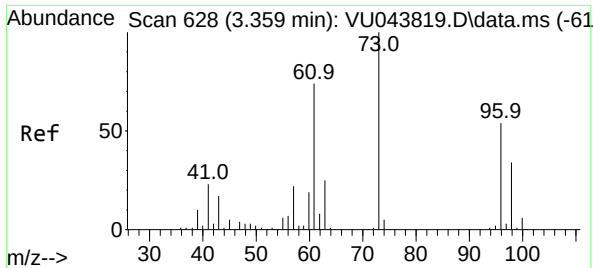
Tgt Ion: 43 Resp: 10373
Ion Ratio Lower Upper
43 100
74 24.2 19.3 28.9



#16
Methylene chloride
Concen: 2.18 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion: 84 Resp: 10820
Ion Ratio Lower Upper
84 100
86 60.6 44.9 83.5
49 113.3 84.9 157.7

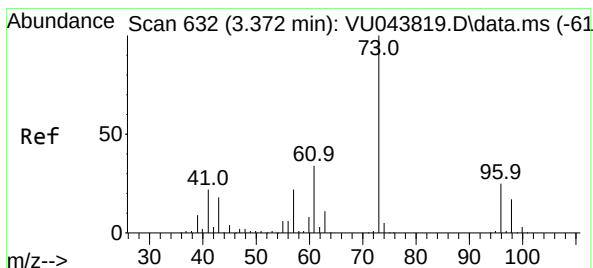
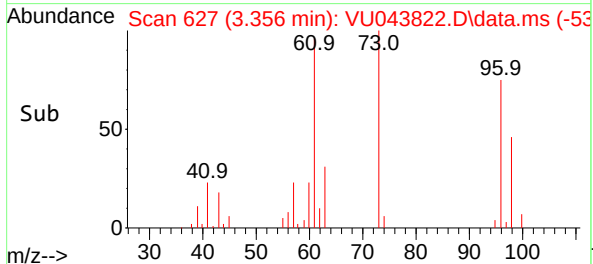
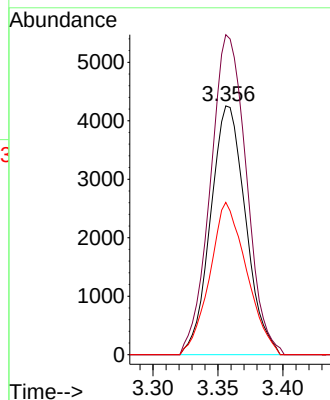
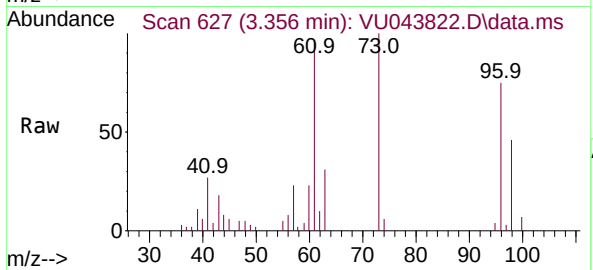




#17
trans-1,2-Dichloroethene
Concen: 2.33 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

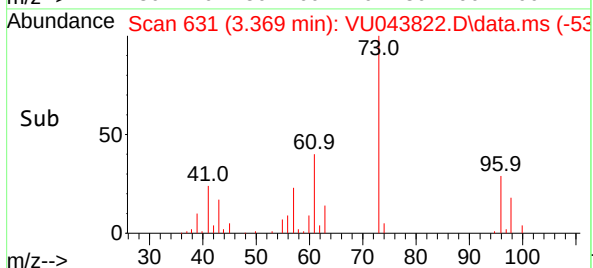
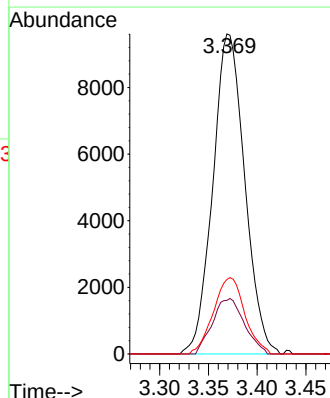
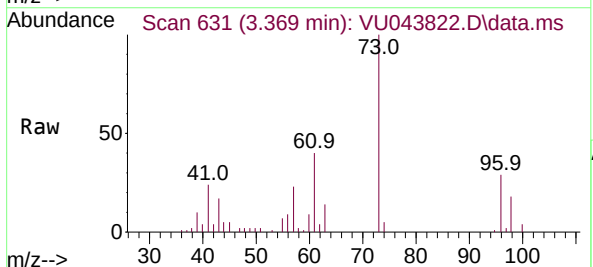
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

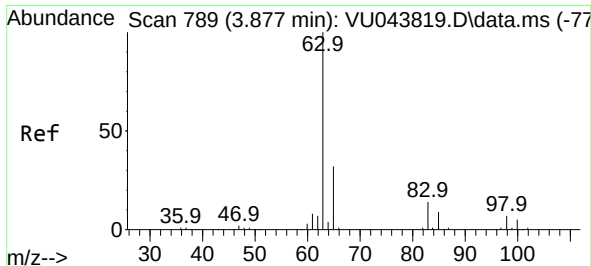
Tgt Ion:	96	Resp:	7983
Ion	Ratio	Lower	Upper
96	100		
61	128.6	101.5	188.5
98	61.2	44.9	83.5



#18
Methyl tert-butyl Ether
Concen: 2.10 ug/L
RT: 3.369 min Scan# 631
Delta R.T. -0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion:	73	Resp:	21865
Ion	Ratio	Lower	Upper
73	100		
43	17.3	14.6	22.0
57	23.5	18.2	27.4





#19

1,1-Dichloroethane

Concen: 2.15 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU043822.D

Acq: 19 May 2021 12:41

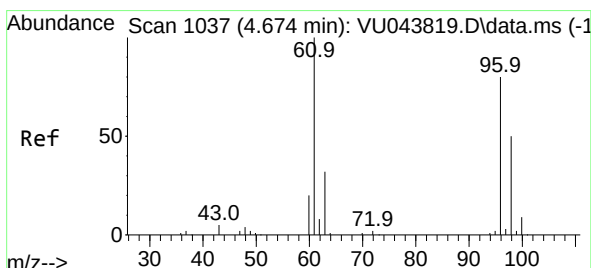
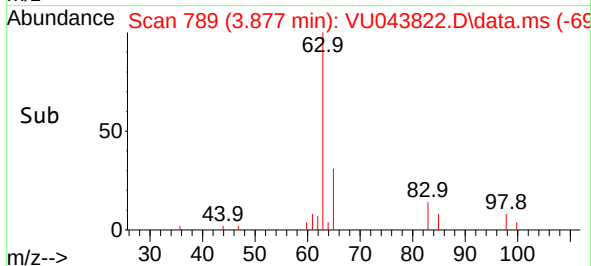
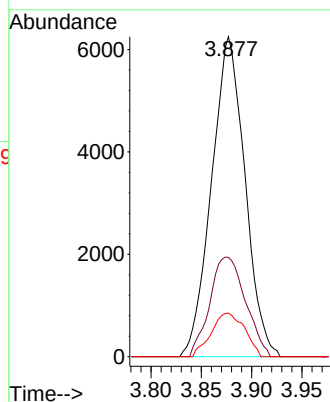
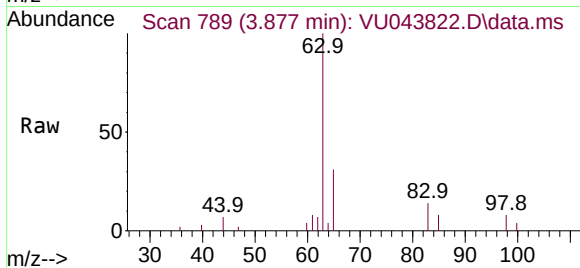
Tgt Ion:	63	Resp:	14437
Ion	Ratio	Lower	Upper
63	100		
65	31.1	22.0	41.0
83	13.6	8.7	16.1

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-MED-SOIL-QT3-2021-06



#20

cis-1,2-Dichloroethene

Concen: 2.35 ug/L

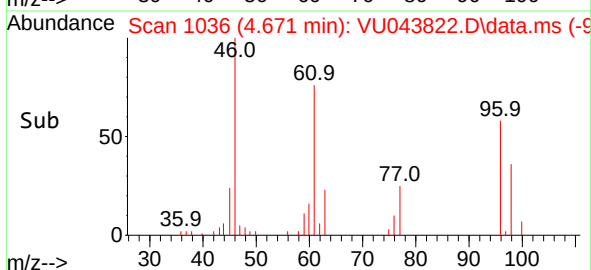
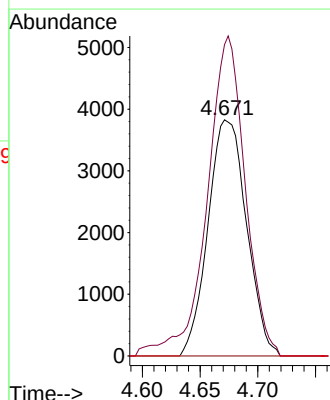
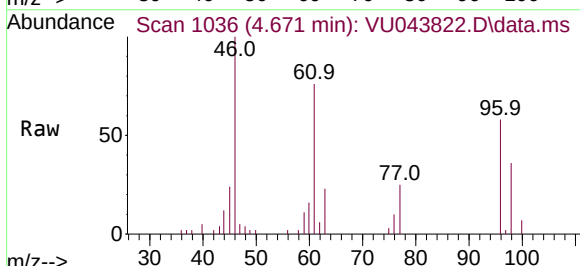
RT: 4.671 min Scan# 1036

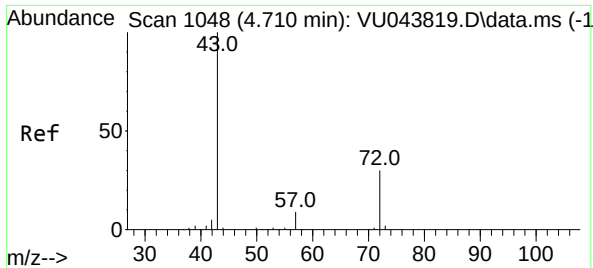
Delta R.T. -0.003 min

Lab File: VU043822.D

Acq: 19 May 2021 12:41

Tgt Ion:	96	Resp:	8876
Ion	Ratio	Lower	Upper
96	100		
61	131.9	93.1	172.9
68	0.0	0.0	0.0

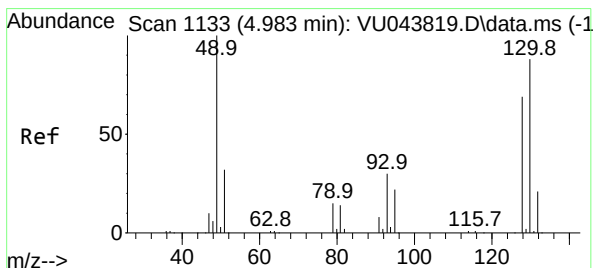
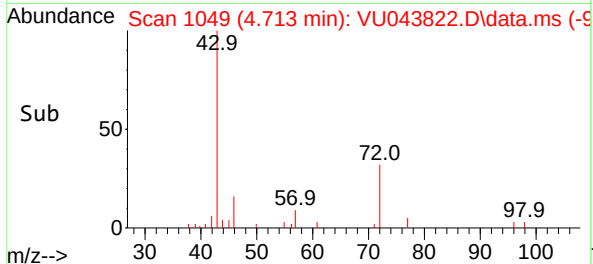
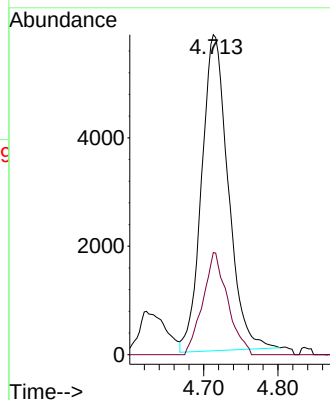
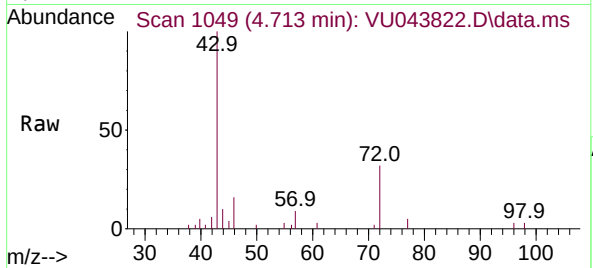




#22
2-Butanone
Concen: 4.24 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

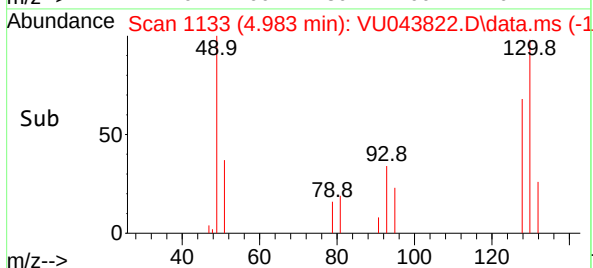
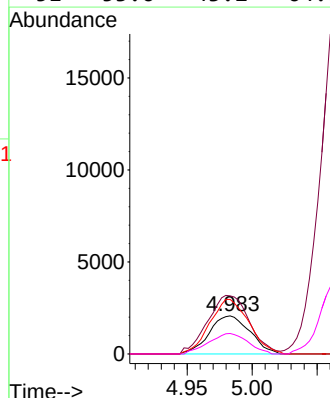
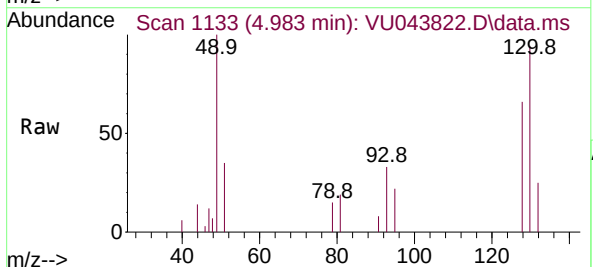
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

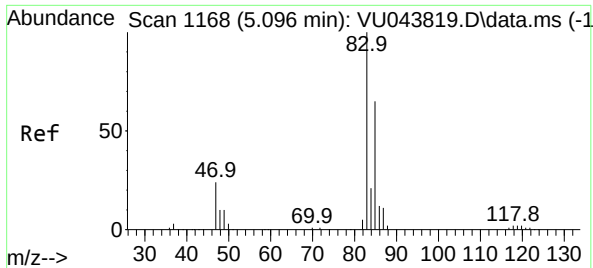
Tgt Ion: 43 Resp: 14492
Ion Ratio Lower Upper
43 100
72 30.1 13.9 41.6



#23
Bromochloromethane
Concen: 2.19 ug/L
RT: 4.983 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion:128 Resp: 4498
Ion Ratio Lower Upper
128 100
49 152.5 116.8 216.8
130 143.2 93.3 173.3
51 53.6 43.2 64.8

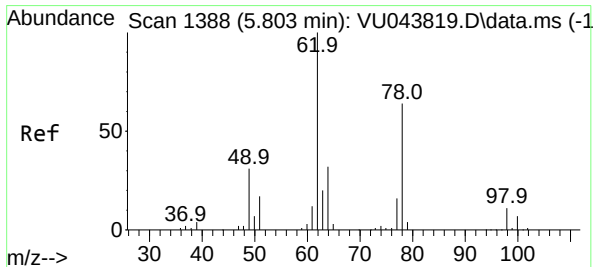
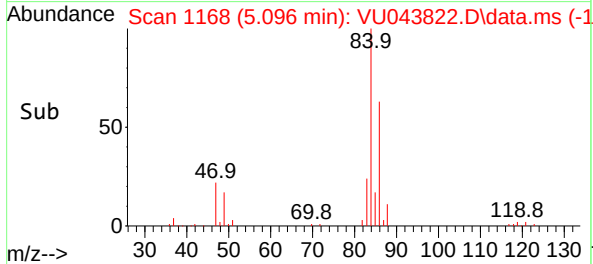
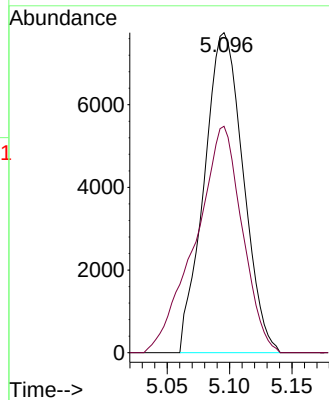
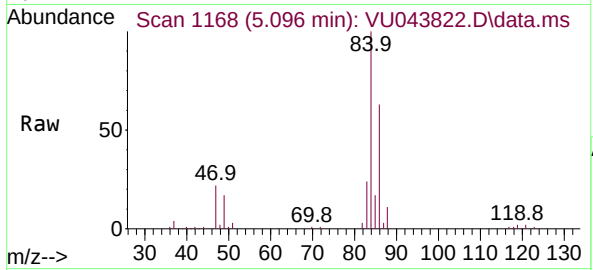




#25
Chloroform
Concen: 2.57 ug/L
RT: 5.096 min Scan# 1168
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

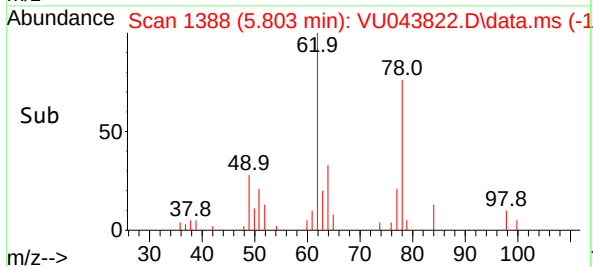
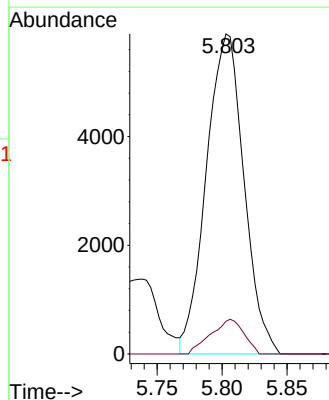
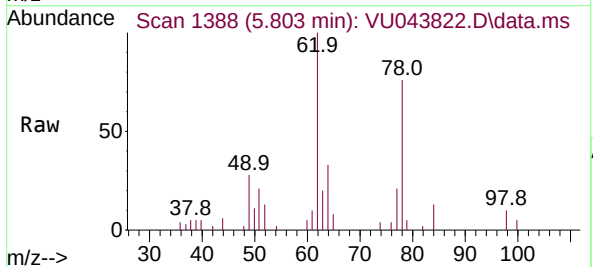
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

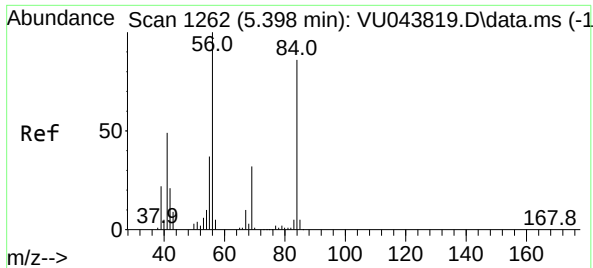
Tgt Ion: 83 Resp: 16909
Ion Ratio Lower Upper
83 100
85 70.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 2.34 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion: 62 Resp: 11838
Ion Ratio Lower Upper
62 100
98 10.2 7.6 11.4





#29

Cyclohexane

Concen: 1.84 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. -0.003 min

Lab File: VU043822.D

Acq: 19 May 2021 12:41

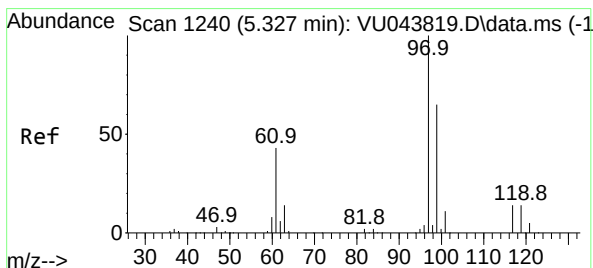
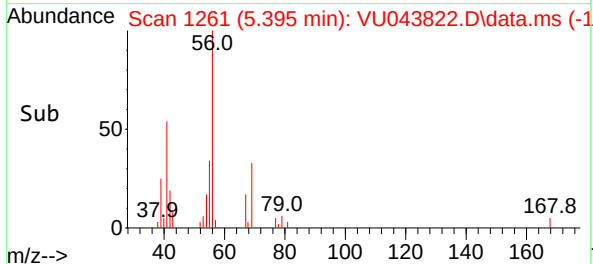
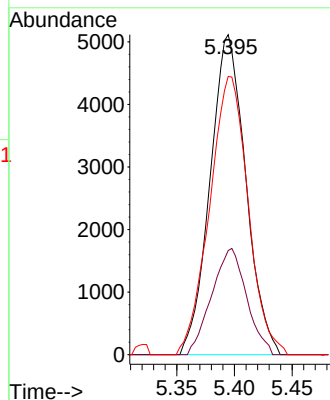
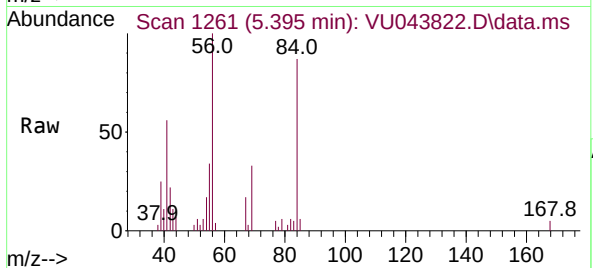
Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-MED-SOIL-QT3-2021-06

Tgt Ion:	56	Resp:	10999
Ion Ratio	Lower	Upper	
56	100		
69	32.4	24.6	37.0
84	93.5	65.0	97.4



#30

1,1,1-Trichloroethane

Concen: 2.26 ug/L

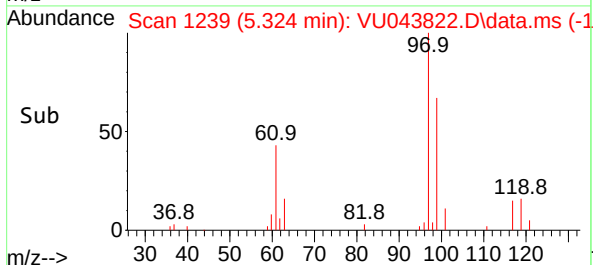
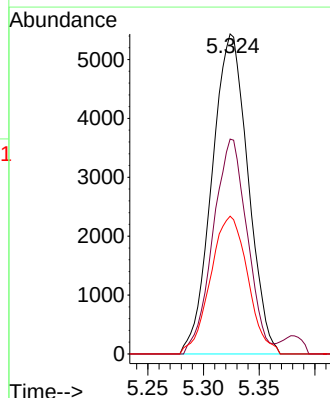
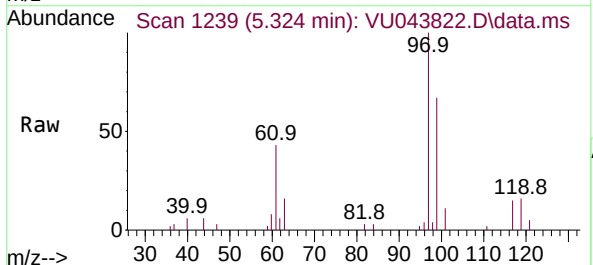
RT: 5.324 min Scan# 1239

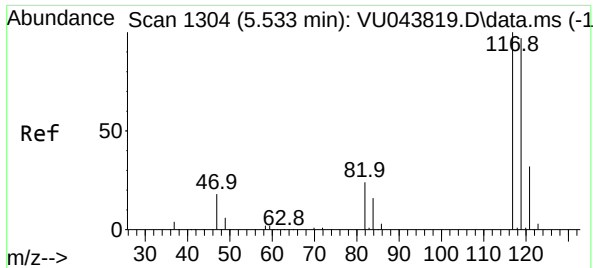
Delta R.T. -0.003 min

Lab File: VU043822.D

Acq: 19 May 2021 12:41

Tgt Ion:	97	Resp:	12229
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.7	77.5
61	44.5	36.9	55.3

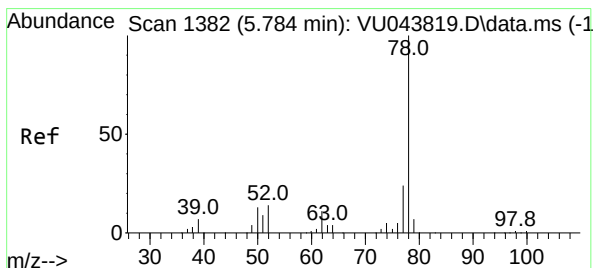
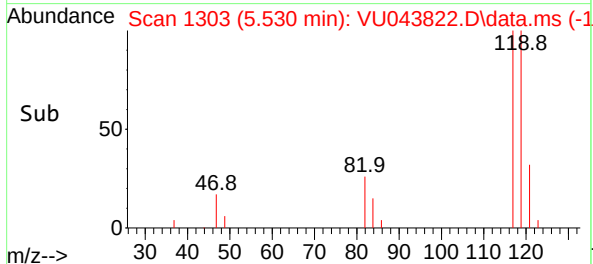
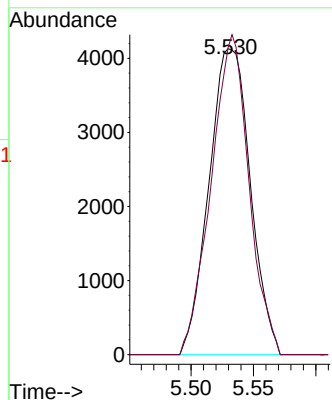
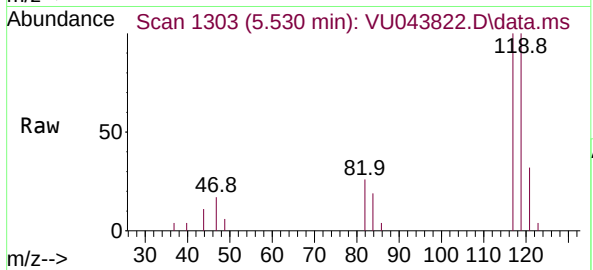




#31
Carbon tetrachloride
Concen: 2.15 ug/L
RT: 5.530 min Scan# 1303
Delta R.T. -0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

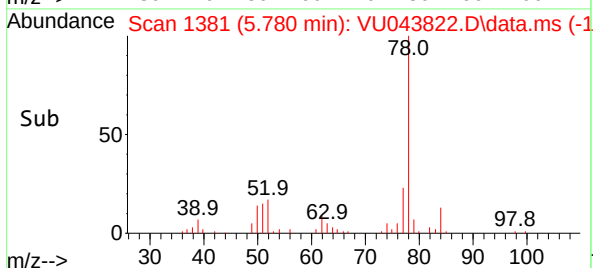
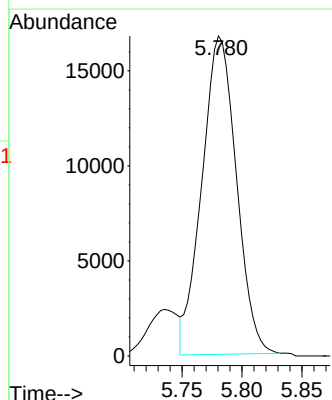
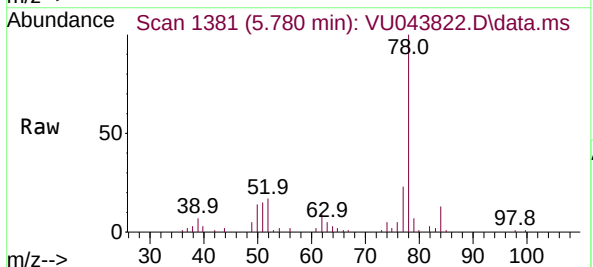
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

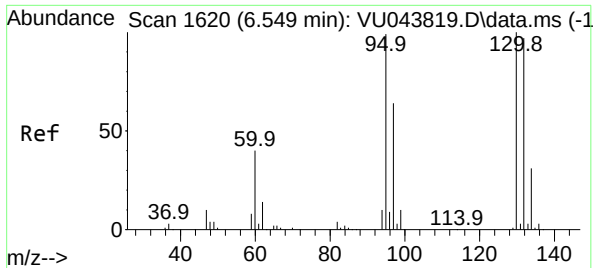
Tgt Ion:117 Resp: 9536
Ion Ratio Lower Upper
117 100
119 95.3 77.0 115.6



#33
Benzene
Concen: 2.21 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion: 78 Resp: 33484



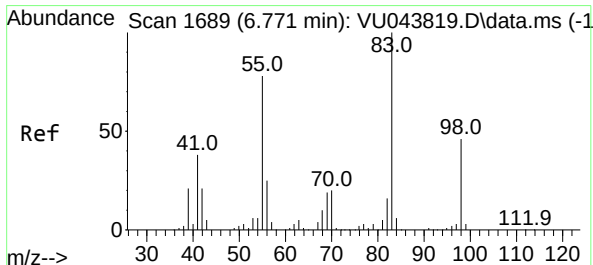
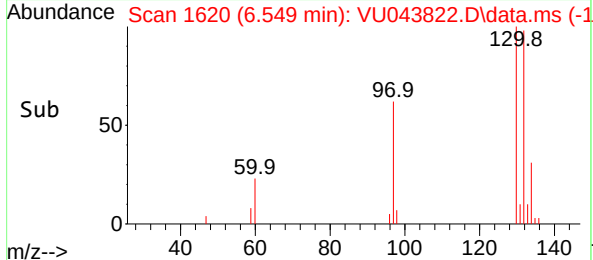
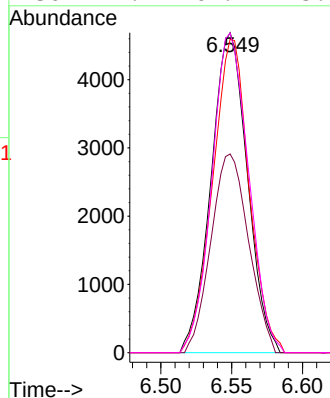
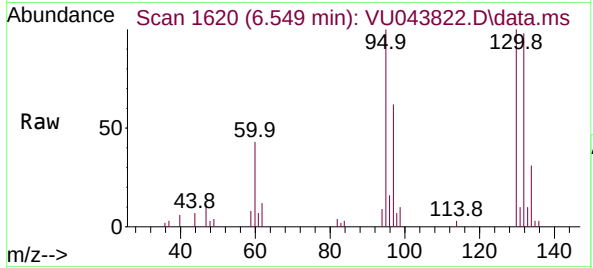


#34
Trichloroethene
Concen: 2.27 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

Tgt Ion: 95 Resp: 8370

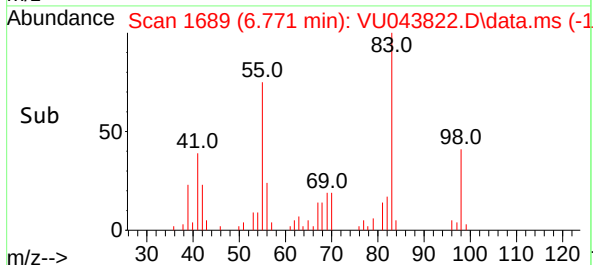
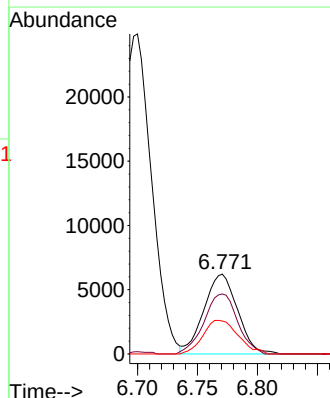
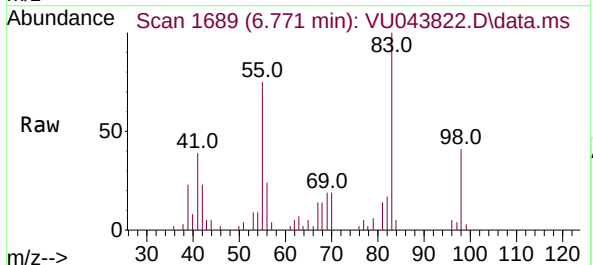
Ion	Ratio	Lower	Upper
95	100		
97	62.1	44.2	82.2
132	98.0	66.8	124.2
130	99.9	67.4	125.2

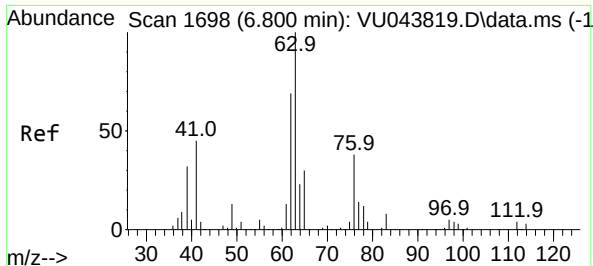


#35
Methylcyclohexane
Concen: 2.08 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion: 83 Resp: 12147

Ion	Ratio	Lower	Upper
83	100		
55	74.8	63.8	95.6
98	42.5	36.2	54.2



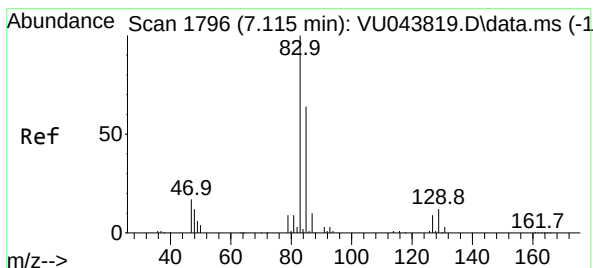
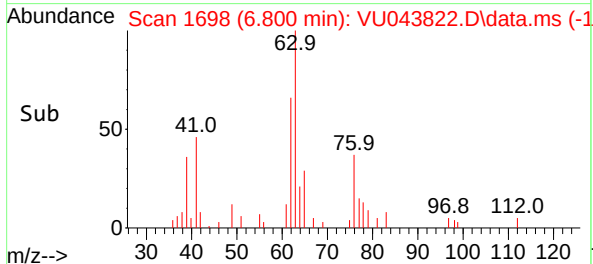
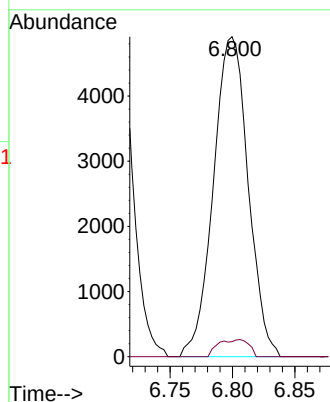
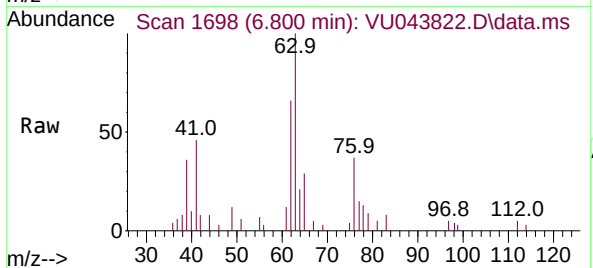


#37

1,2-Dichloropropane
Concen: 2.30 ug/L
RT: 6.800 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

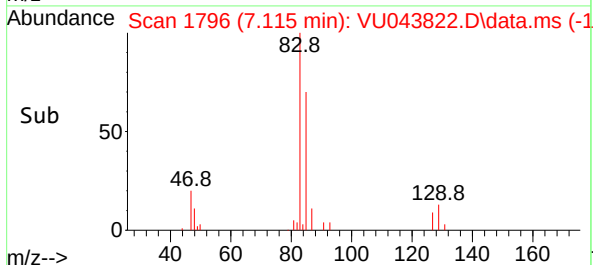
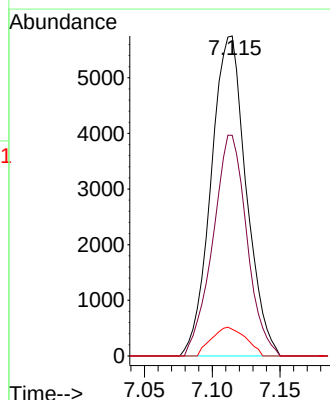
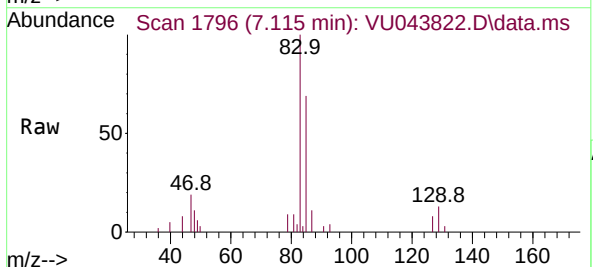
Tgt Ion: 63 Resp: 9521
Ion Ratio Lower Upper
63 100
112 2.0 3.0 4.4#

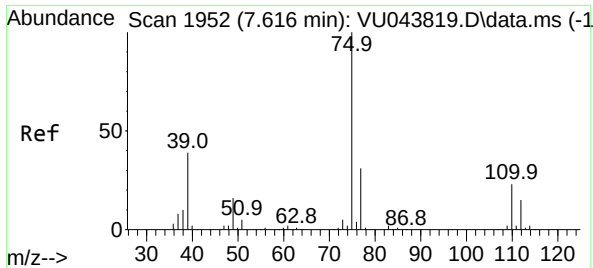


#38

Bromodichloromethane
Concen: 2.11 ug/L
RT: 7.115 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion: 83 Resp: 10356
Ion Ratio Lower Upper
83 100
85 68.9 44.3 82.3
127 8.3 6.6 9.8

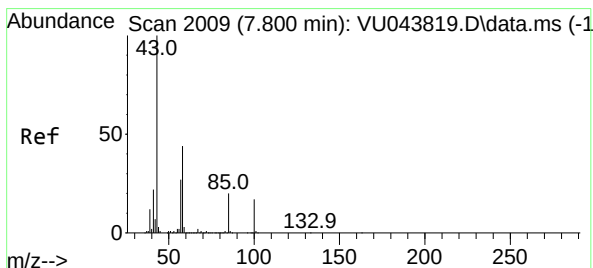
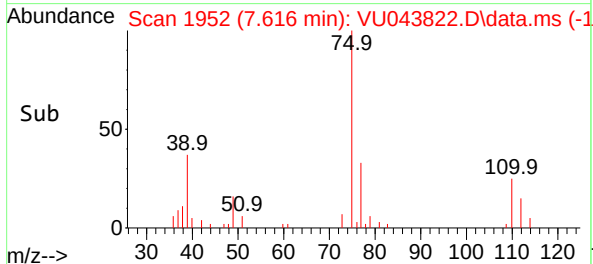
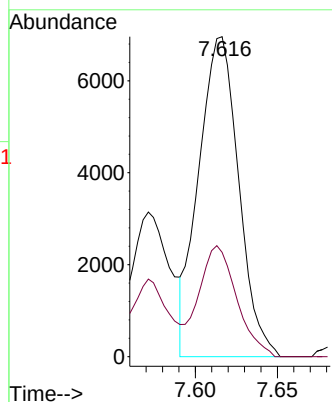
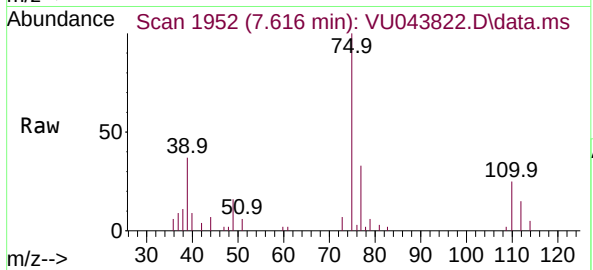




#39
 cis-1,3-Dichloropropene
 Concen: 2.08 ug/L
 RT: 7.616 min Scan# 1952
 Delta R.T. -0.000 min
 Lab File: VU043822.D
 Acq: 19 May 2021 12:41

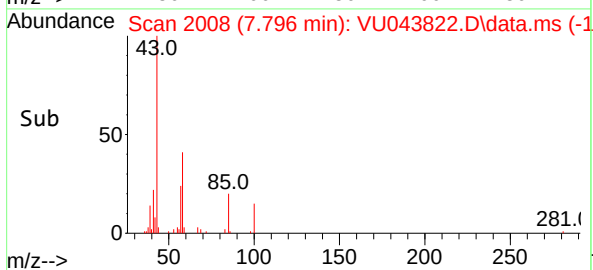
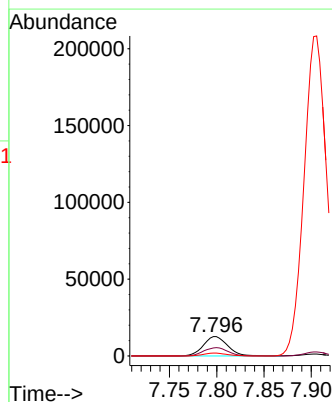
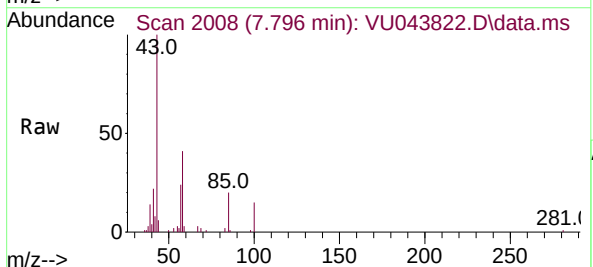
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-MED-SOIL-QT3-2021-06

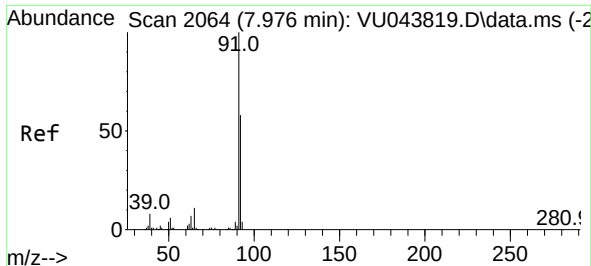
Tgt Ion: 75 Resp: 11783
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 3.63 ug/L
 RT: 7.796 min Scan# 2008
 Delta R.T. -0.003 min
 Lab File: VU043822.D
 Acq: 19 May 2021 12:41

Tgt Ion: 43 Resp: 22626
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.4 50.0
 100 14.1 12.2 18.2

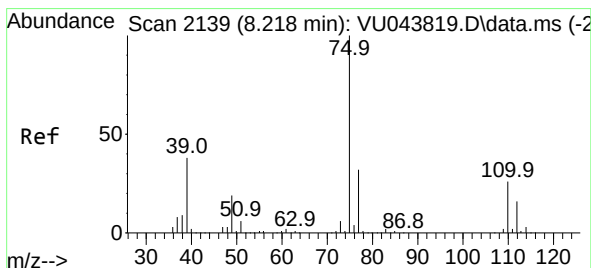
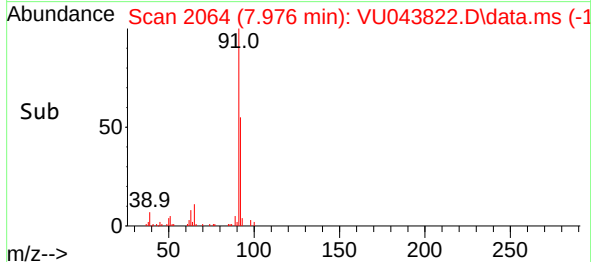
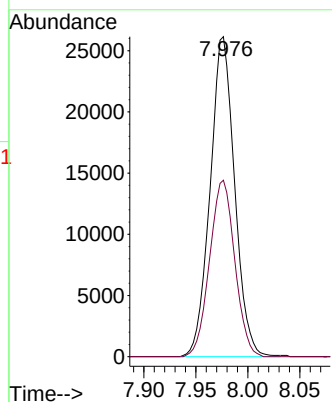
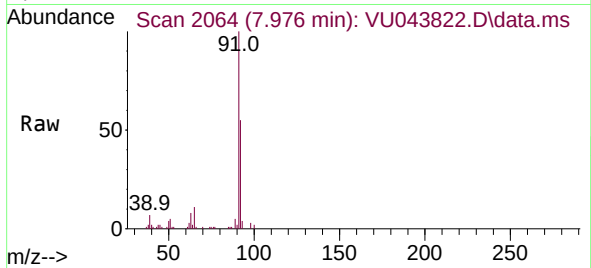




#42
Toluene
Concen: 2.71 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

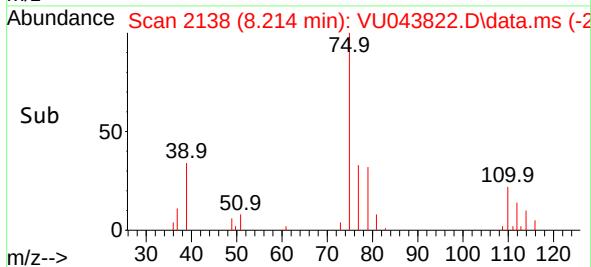
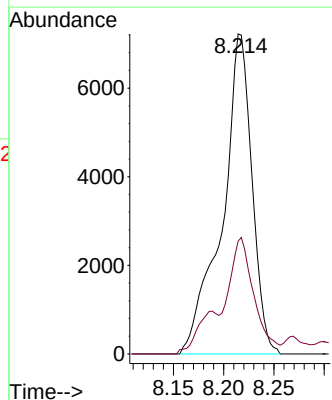
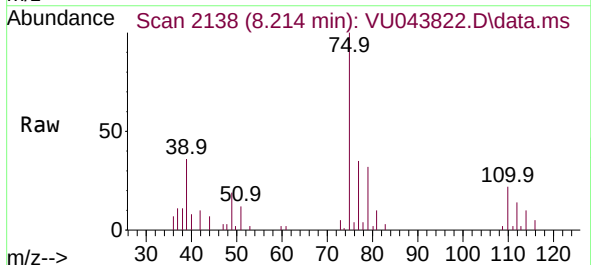
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

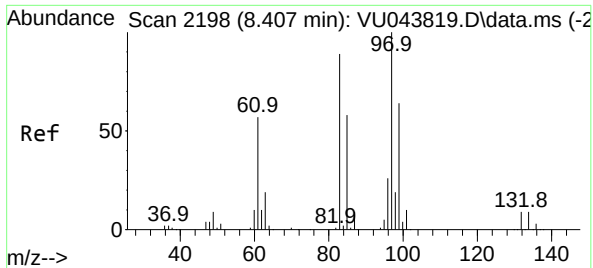
Tgt Ion: 91 Resp: 42937
Ion Ratio Lower Upper
91 100
92 55.2 39.7 73.7



#44
trans-1,3-Dichloropropene
Concen: 2.79 ug/L
RT: 8.214 min Scan# 2138
Delta R.T. -0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion: 75 Resp: 14867
Ion Ratio Lower Upper
75 100
77 35.2 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 2.28 ug/L

RT: 8.407 min Scan# 2198

Delta R.T. -0.000 min

Lab File: VU043822.D

Acq: 19 May 2021 12:41

Tgt Ion: 97 Resp: 8708

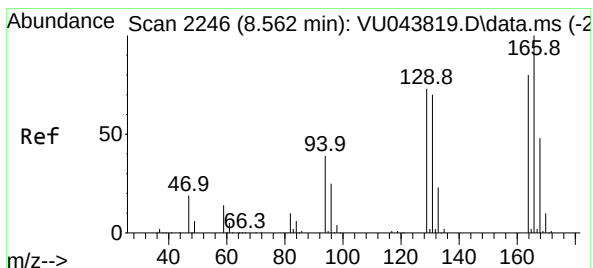
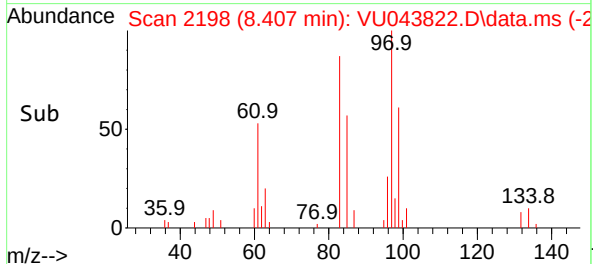
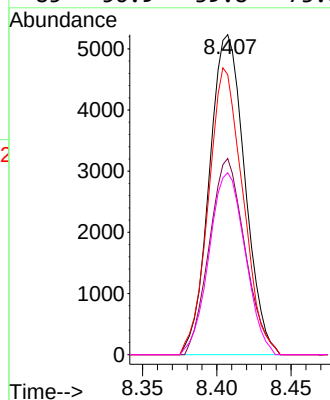
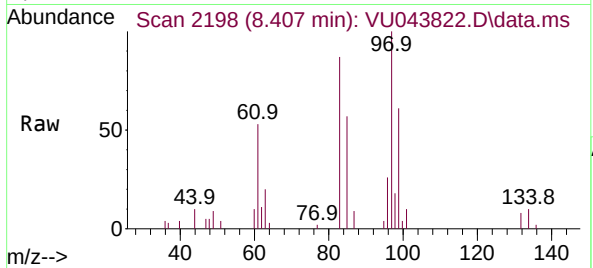
Ion Ratio Lower Upper

97 100

99 61.3 43.2 80.2

83 87.5 61.7 114.5

85 56.9 39.8 73.8



#46

Tetrachloroethene

Concen: 2.44 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. -0.003 min

Lab File: VU043822.D

Acq: 19 May 2021 12:41

Tgt Ion: 164 Resp: 7093

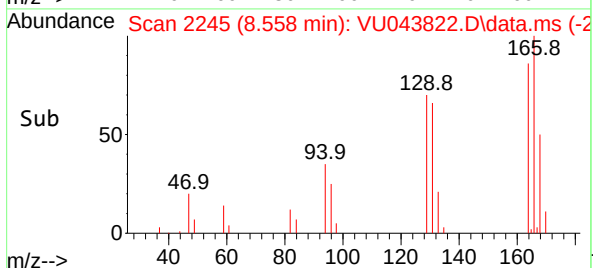
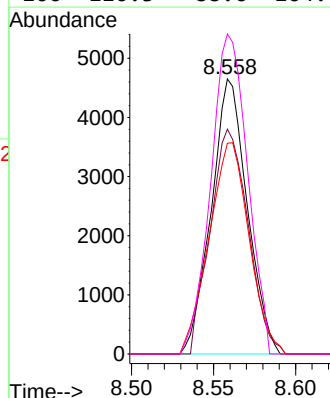
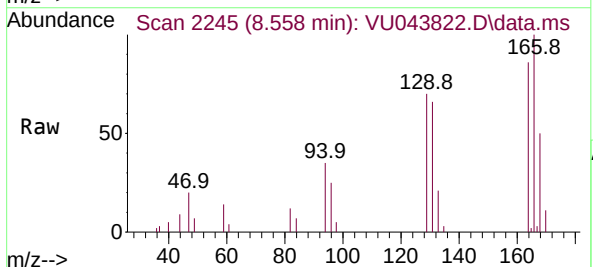
Ion Ratio Lower Upper

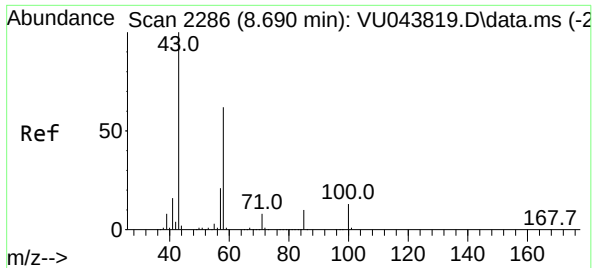
164 100

129 81.7 65.5 121.6

131 76.6 63.0 117.0

166 116.3 88.6 164.6

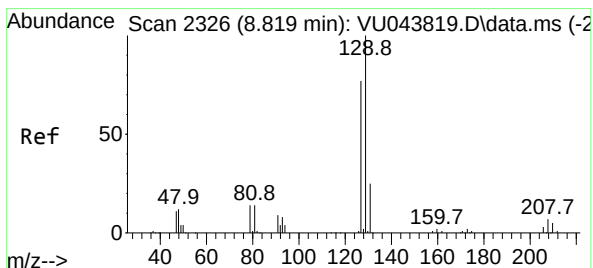
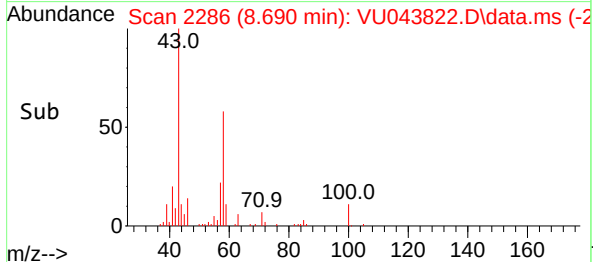
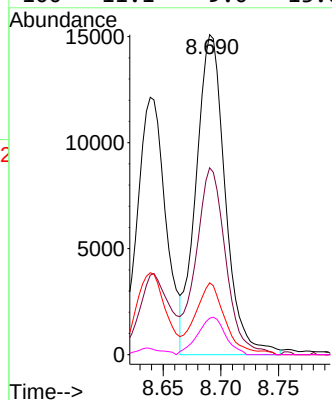
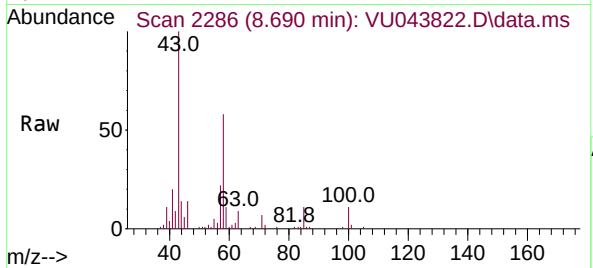




#48
2-Hexanone
Concen: 5.31 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

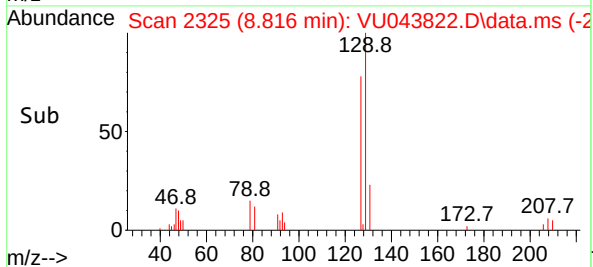
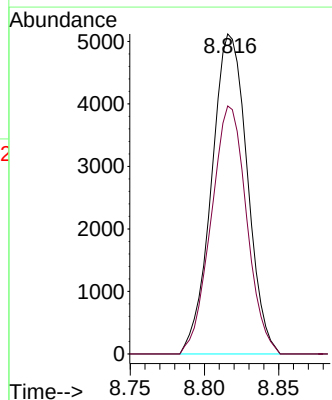
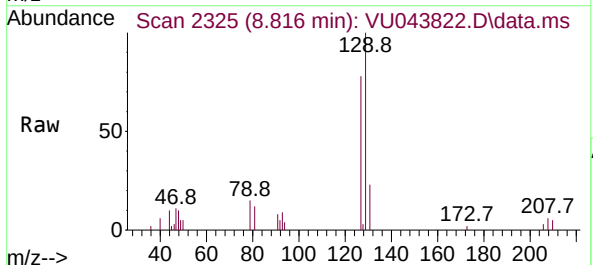
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

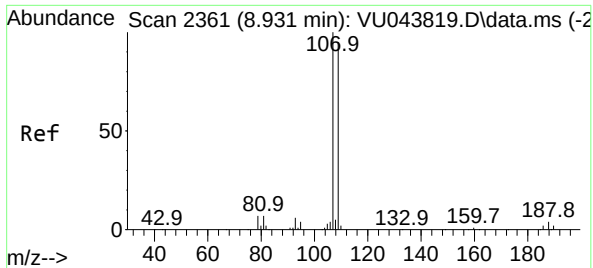
Tgt Ion:	43	Resp:	26580
Ion	Ratio	Lower	Upper
43	100		
58	59.1	46.2	69.2
57	20.9	15.9	23.9
100	11.1	9.0	13.6



#49
Dibromochloromethane
Concen: 2.18 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. -0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion:	129	Resp:	8552
Ion	Ratio	Lower	Upper
129	100		
127	80.5	54.5	101.1

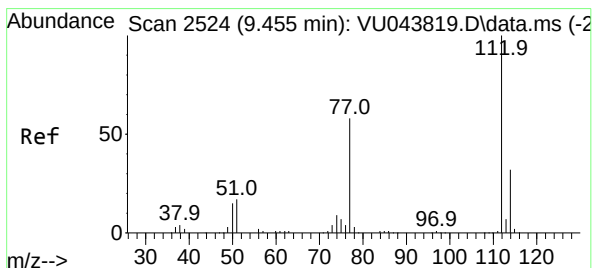
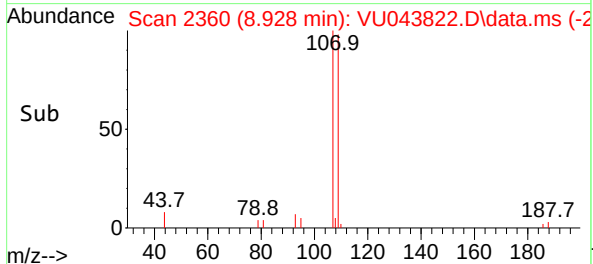
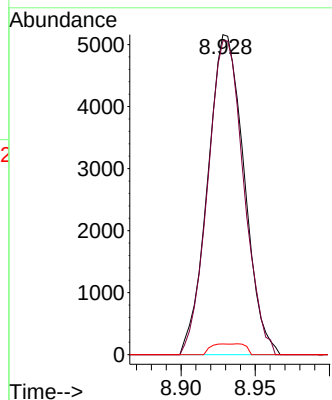
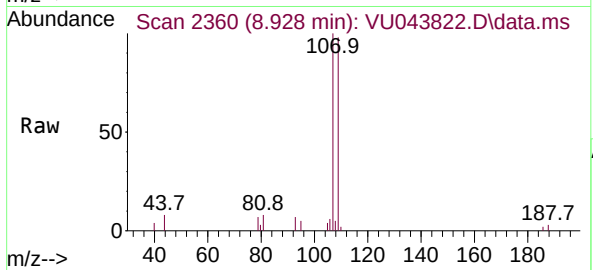




#50
1,2-Dibromoethane
Concen: 2.21 ug/L
RT: 8.928 min Scan# 2360
Delta R.T. -0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

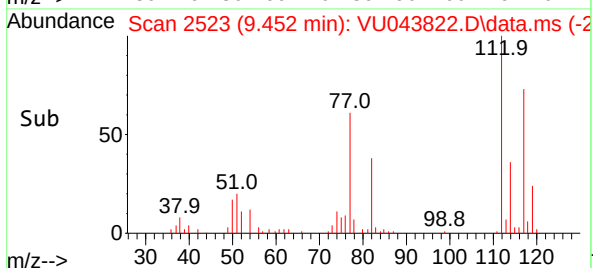
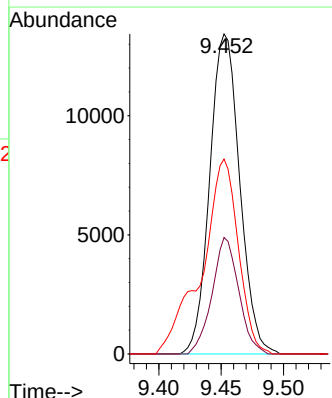
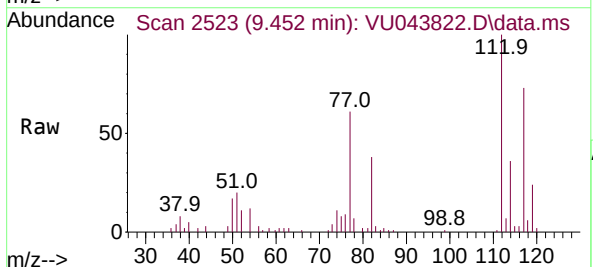
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

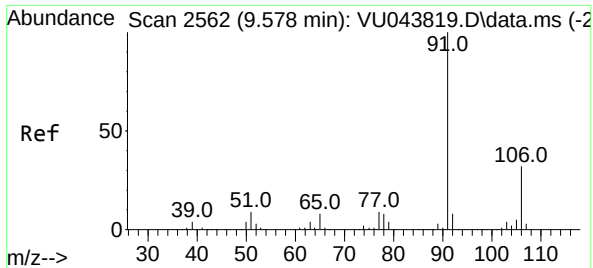
Tgt Ion:	107	Resp:	8761
Ion	Ratio	Lower	Upper
107	100		
109	98.1	66.5	123.5
188	3.3	3.2	4.8



#51
Chlorobenzene
Concen: 2.29 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion:	112	Resp:	22488
Ion	Ratio	Lower	Upper
112	100		
114	36.4	22.7	42.1
77	60.9	48.5	72.7

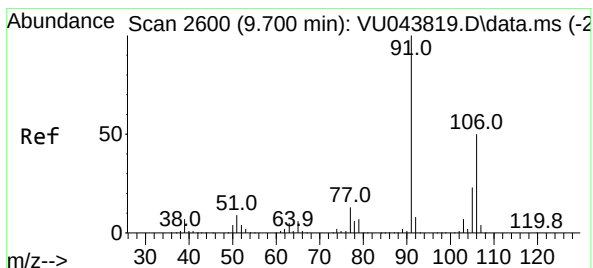
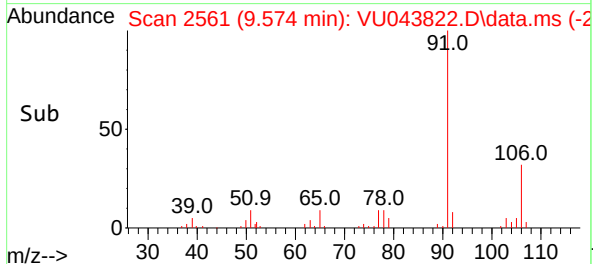
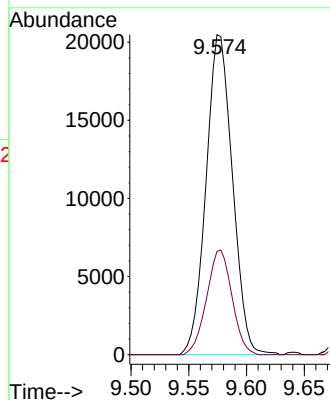
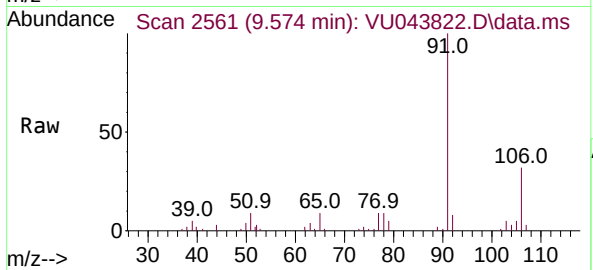




#52
Ethylbenzene
Concen: 1.99 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

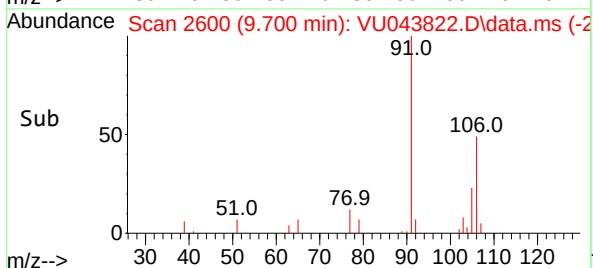
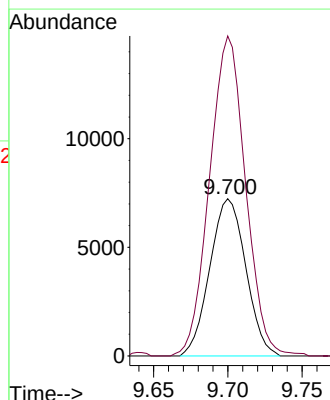
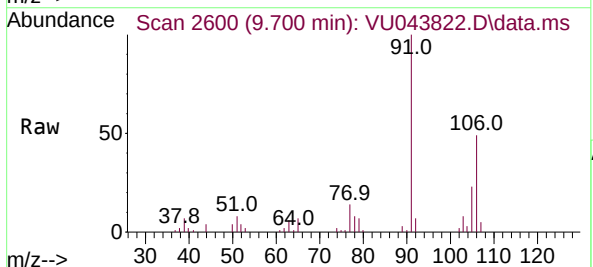
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

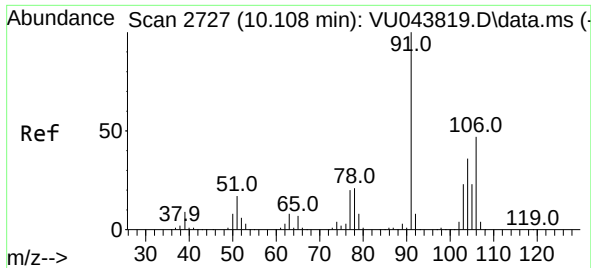
Tgt Ion: 91 Resp: 32594
Ion Ratio Lower Upper
91 100
106 32.3 21.6 40.2



#53
m,p-Xylene
Concen: 1.97 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion: 106 Resp: 12205
Ion Ratio Lower Upper
106 100
91 203.5 142.9 265.5

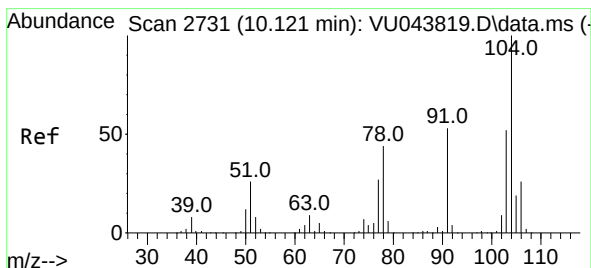
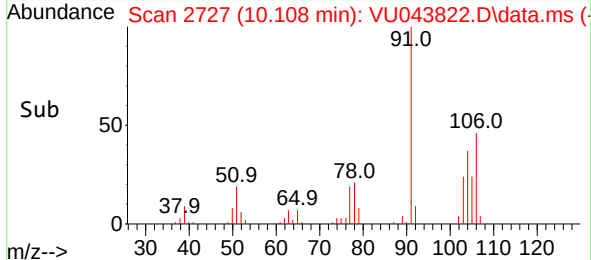
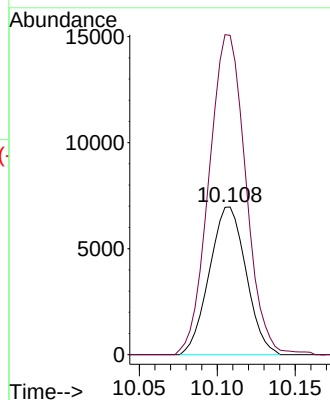
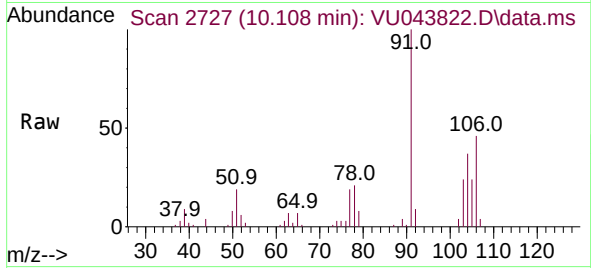




#54
o-xylene
Concen: 1.86 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

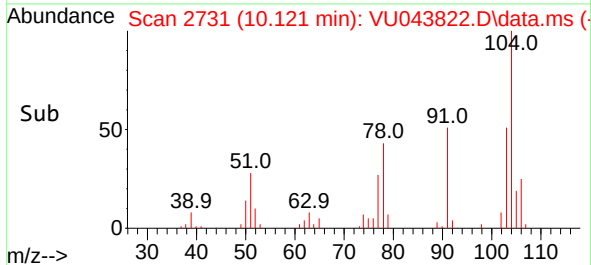
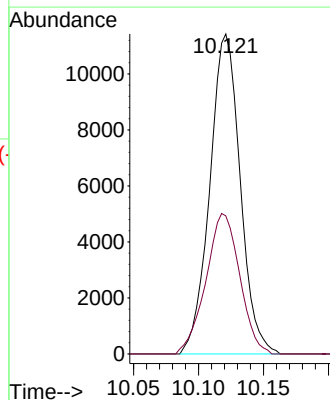
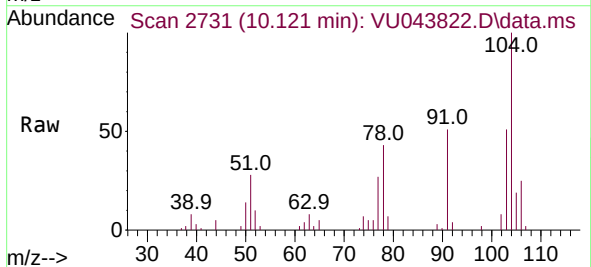
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

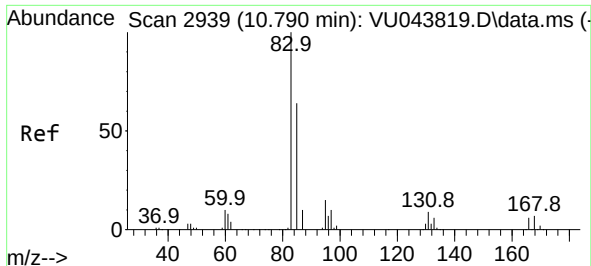
Tgt Ion:106 Resp: 11398
Ion Ratio Lower Upper
106 100
91 199.2 151.6 281.6



#55
Styrene
Concen: 1.80 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion:104 Resp: 18583
Ion Ratio Lower Upper
104 100
78 43.1 31.8 59.0

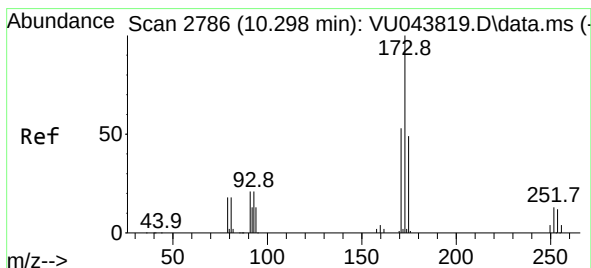
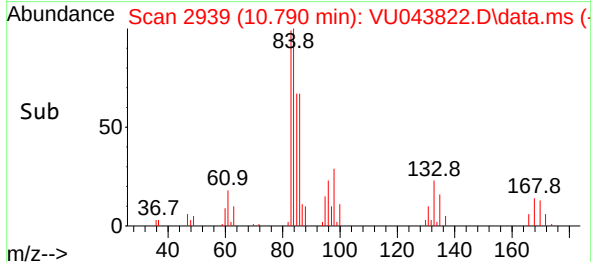
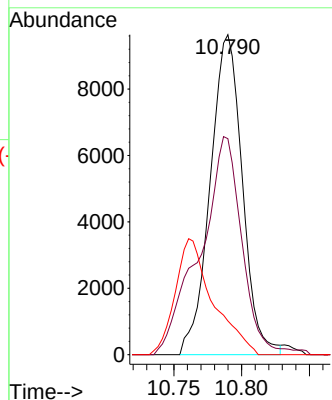
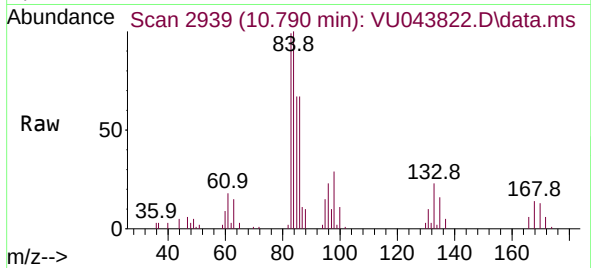




#57
1,1,2,2-Tetrachloroethane
Concen: 2.28 ug/L
RT: 10.790 min Scan# 2939
Delta R.T. 0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

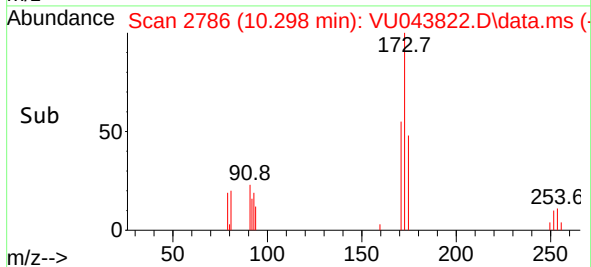
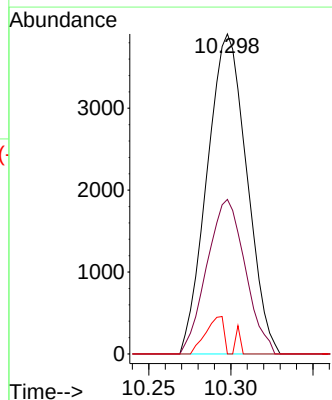
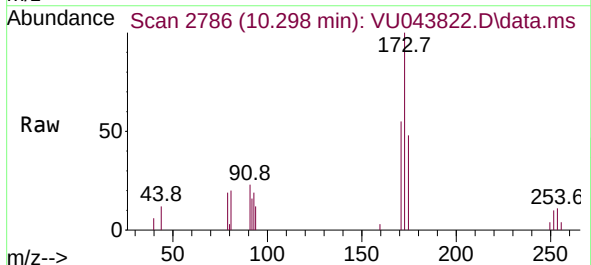
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

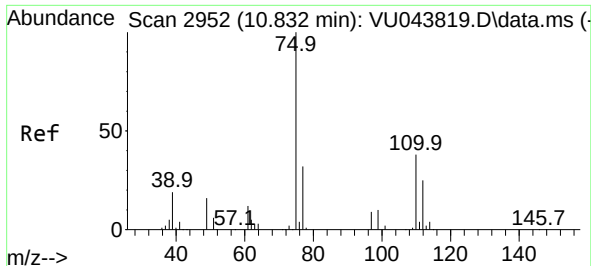
Tgt Ion:	83	Resp:	15888
Ion	Ratio	Lower	Upper
83	100		
85	67.5	44.5	82.7
131	10.5	7.4	11.2



#59
Bromoform
Concen: 2.23 ug/L
RT: 10.298 min Scan# 2786
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion:	173	Resp:	6543
Ion	Ratio	Lower	Upper
173	100		
175	46.8	38.6	57.8
254	5.4	6.8	10.2#

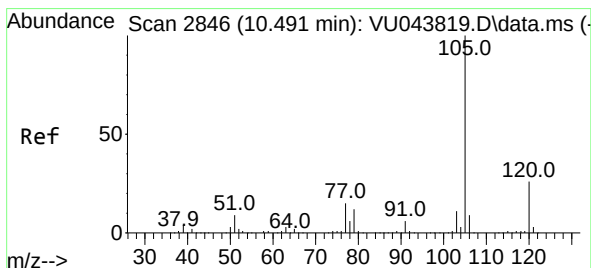
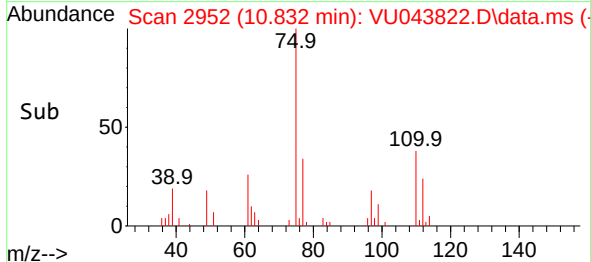
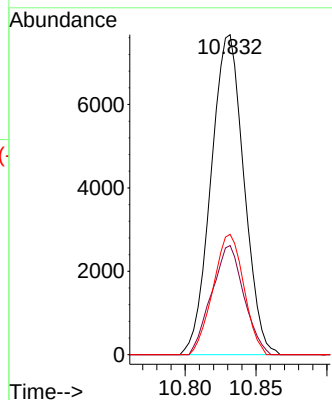
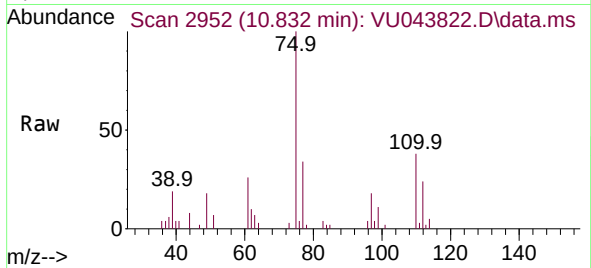




#60
1,2,3-Trichloropropane
Concen: 2.36 ug/L
RT: 10.832 min Scan# 2952
Delta R.T. 0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

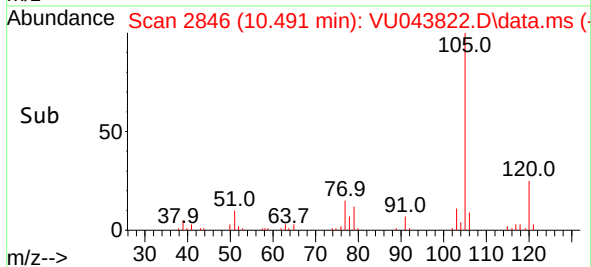
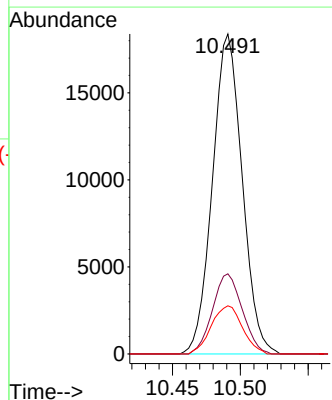
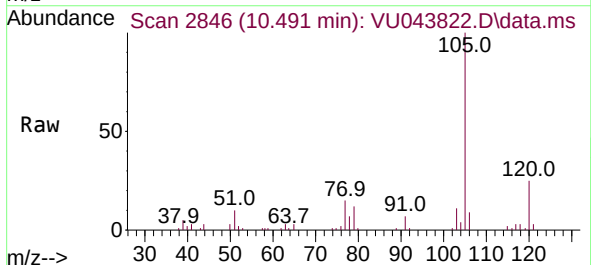
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

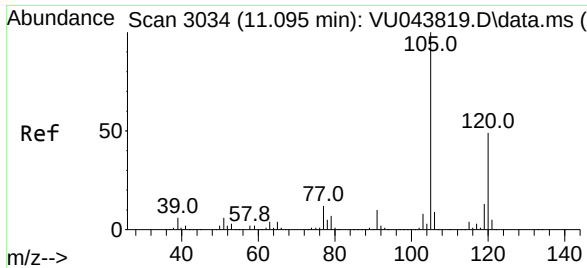
Tgt Ion:	75	Resp:	12383
Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.8	38.6
110	35.2	28.9	43.3



#61
Isopropylbenzene
Concen: 1.91 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion:	105	Resp:	27981
Ion	Ratio	Lower	Upper
105	100		
120	25.0	21.0	31.4
77	15.8	12.5	18.7

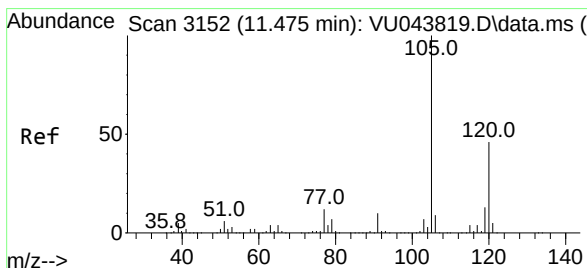
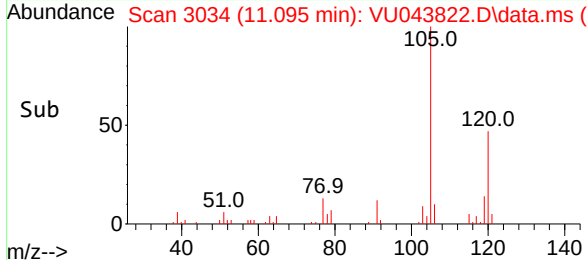
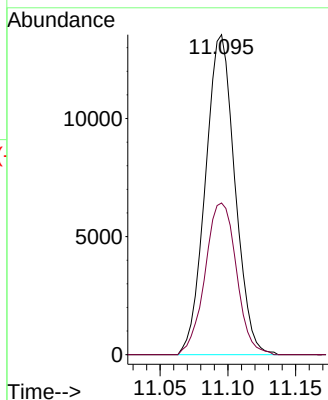
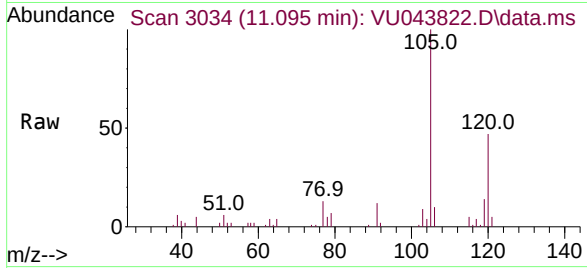




#62
1,3,5-Trimethylbenzene
Concen: 1.68 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

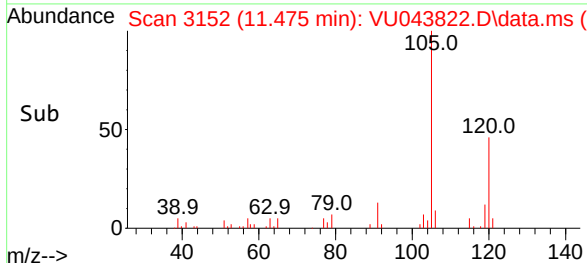
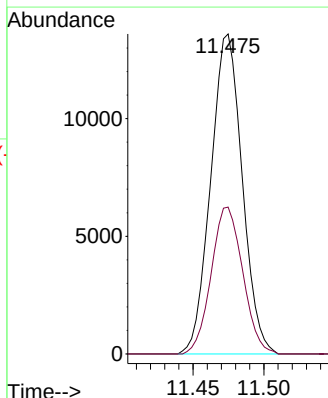
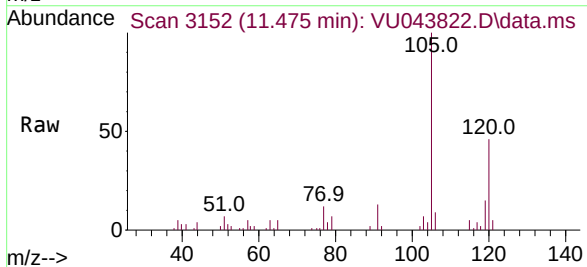
Instrument :
MSVOA_U
ClientSampleId :
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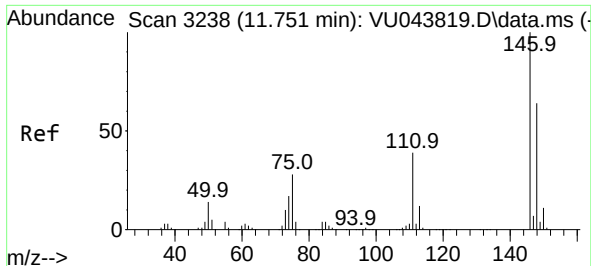
Tgt Ion:105 Resp: 20506
Ion Ratio Lower Upper
105 100
120 50.3 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 1.72 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion:105 Resp: 21003
Ion Ratio Lower Upper
105 100
120 46.0 36.2 54.2

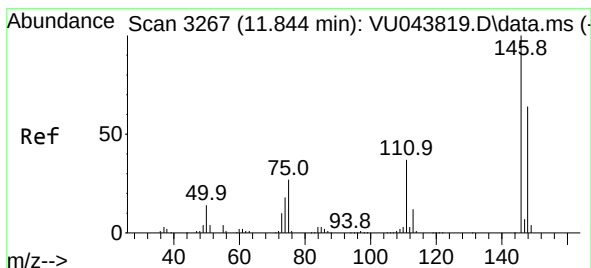
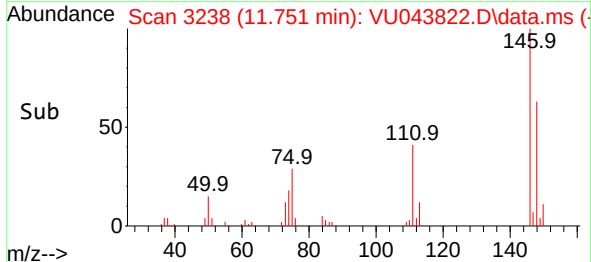
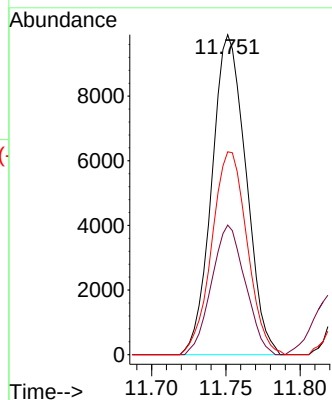
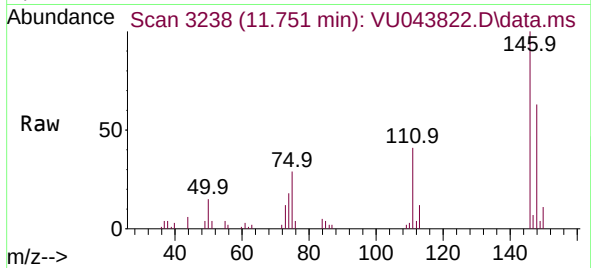




#64
1,3-Dichlorobenzene
Concen: 2.22 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

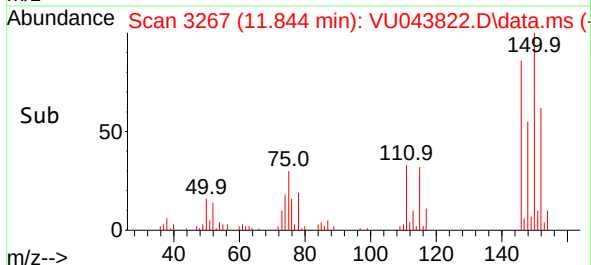
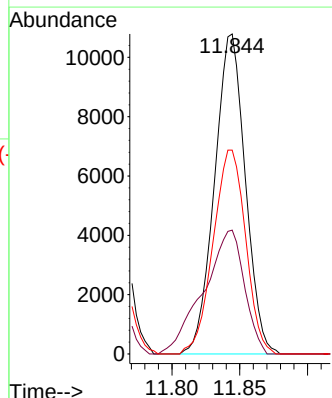
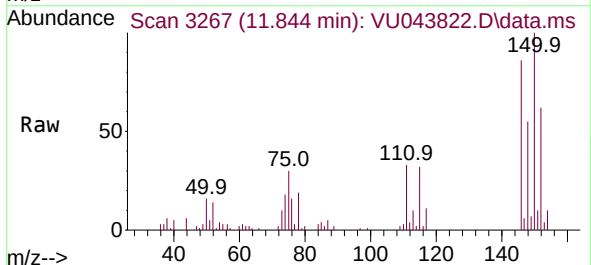
Instrument :
MSVOA_U
ClientSampleId :
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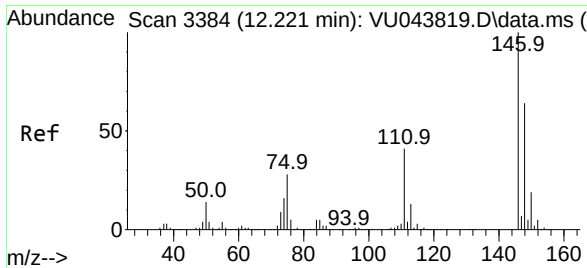
Tgt Ion:146 Resp: 15833
Ion Ratio Lower Upper
146 100
111 38.0 27.8 51.6
148 59.5 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 2.34 ug/L
RT: 11.844 min Scan# 3267
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion:146 Resp: 17032
Ion Ratio Lower Upper
146 100
111 36.3 27.1 50.3
148 59.7 45.4 84.4

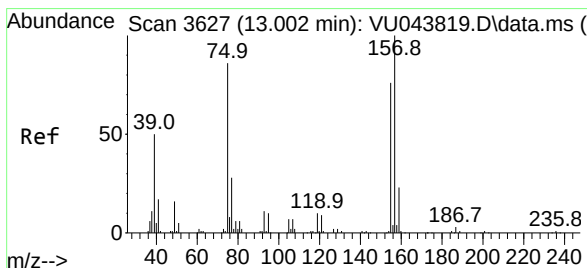
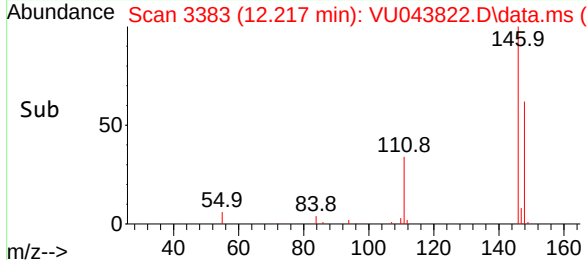
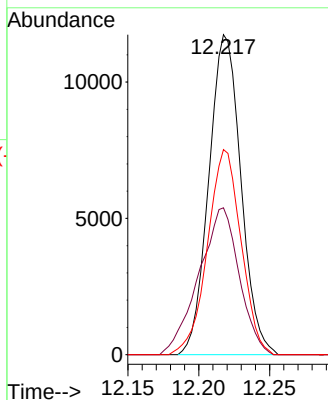
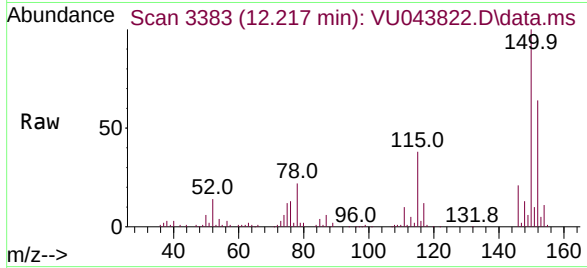




#67
1,2-Dichlorobenzene
Concen: 2.49 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

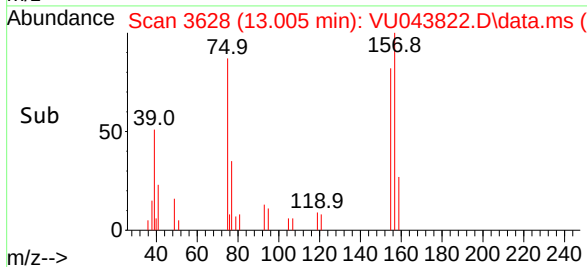
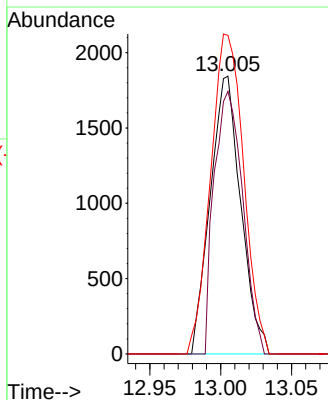
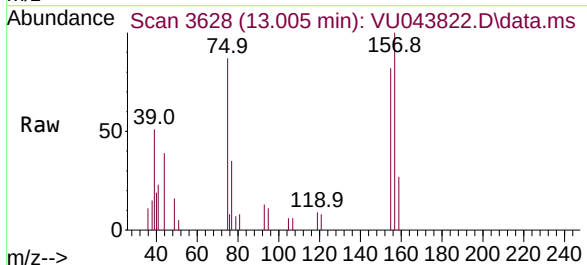
Instrument :
MSVOA_U
ClientSampleId :
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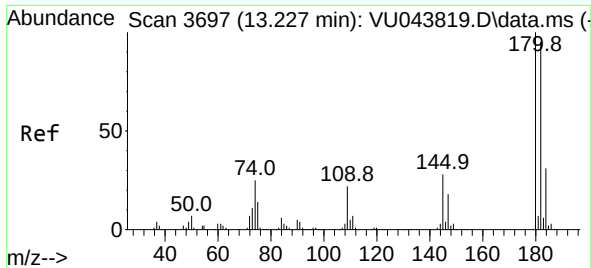
Tgt Ion:146 Resp: 18524
Ion Ratio Lower Upper
146 100
111 50.2 33.5 50.3
148 64.1 51.7 77.5



#68
1,2-Dibromo-3-chloropropane
Concen: 1.93 ug/L
RT: 13.005 min Scan# 3628
Delta R.T. 0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion: 75 Resp: 2772
Ion Ratio Lower Upper
75 100
155 94.5 72.5 108.7
157 114.6 92.3 138.5

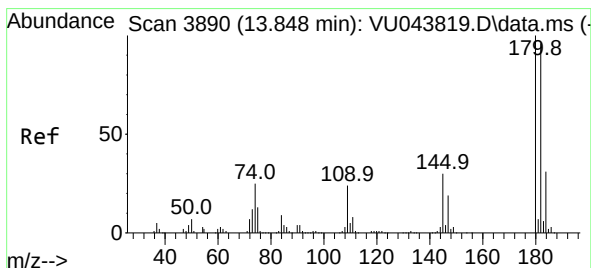
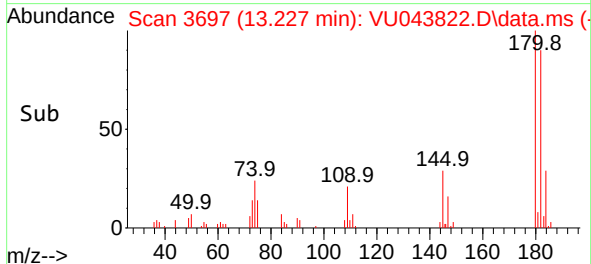
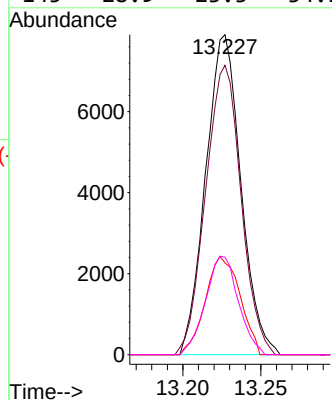
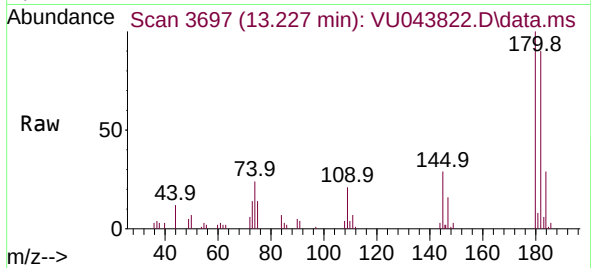




#69
1,3,5-Trichlorobenzene
Concen: 2.34 ug/L
RT: 13.227 min Scan# 3697
Delta R.T. 0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

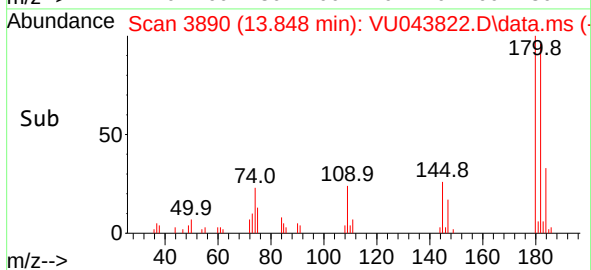
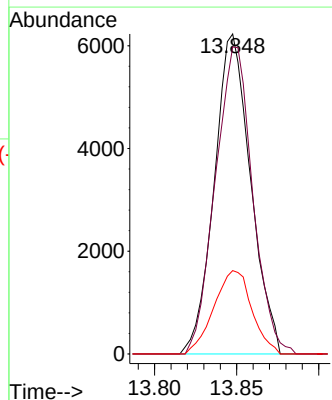
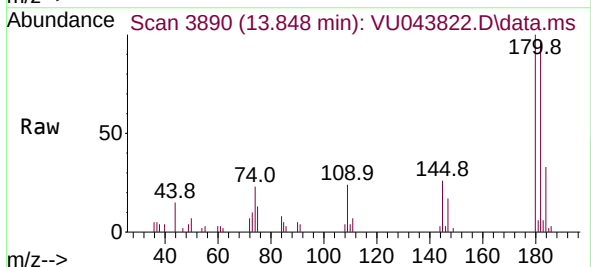
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

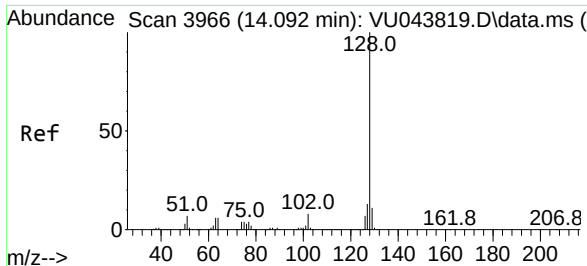
Tgt Ion:	180	Resp:	12388
Ion Ratio	Lower	Upper	
180	100		
182	91.1	76.4	114.6
184	30.3	25.0	37.4
145	28.9	23.3	34.9



#70
1,2,4-trichlorobenzene
Concen: 2.12 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion:	180	Resp:	9590
Ion Ratio	Lower	Upper	
180	100		
182	98.3	75.9	113.9
145	27.2	23.4	35.0

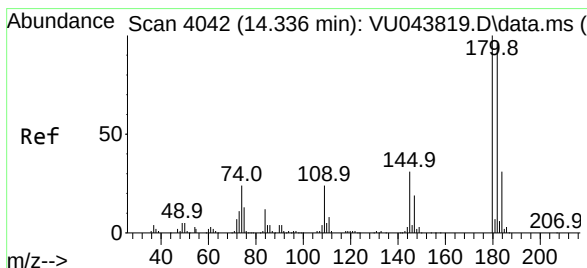
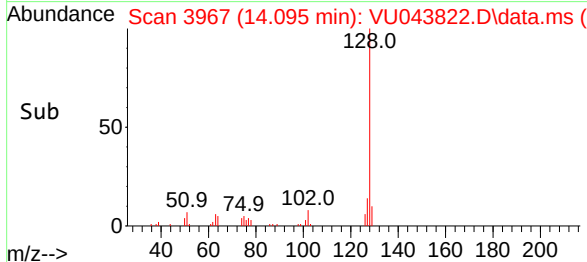
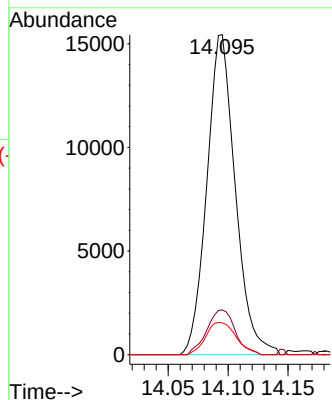
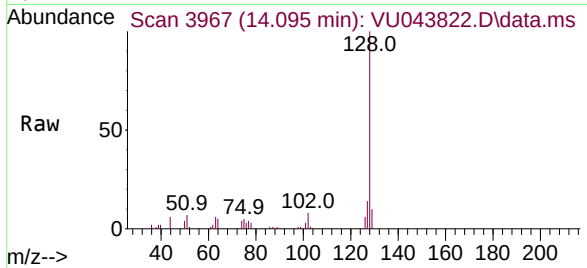




#71
Naphthalene
Concen: 1.69 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-06

Tgt Ion:128	Resp:	25462
Ion Ratio	Lower	Upper
128	100	
127	13.9	10.4 15.6
129	10.8	8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 2.14 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VU043822.D
Acq: 19 May 2021 12:41

Tgt Ion:180	Resp:	10169
Ion Ratio	Lower	Upper
180	100	
182	96.4	76.9 115.3
145	29.5	24.9 37.3

