

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051421\
 Data File : VU043743.D
 Acq On : 14 May 2021 10:09
 Operator : SY/MD
 Sample : M2250-05
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-MED-SOIL-QT3-2021-05

Quant Time: May 14 14:41:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051421WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 14 04:42:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	470318	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	460565	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	219068	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	180103	46.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.50%
7) Chloroethane-d5	1.912	69	134451	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.02%
11) 1,1-Dichloroethene-d2	2.571	63	241764	36.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.94%
21) 2-Butanone-d5	4.626	46	309617	101.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.64%
24) Chloroform-d	5.073	84	312572	47.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.710	65	200226	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.76%
32) Benzene-d6	5.735	84	663844	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.28%
36) 1,2-Dichloropropane-d6	6.697	67	218769	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.28%
41) Toluene-d8	7.906	98	579343	47.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.34%
43) trans-1,3-Dichloroprop...	8.185	79	92061	47.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.60%
47) 2-Hexanone-d5	8.639	63	204839	96.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.08%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	314712	46.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.42%
66) 1,2-Dichlorobenzene-d4	12.201	152	225437	52.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.28%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	9218	2.33	ug/L	99
3) Chloromethane	1.523	50	12488	2.61	ug/L	98
5) Vinyl chloride	1.607	62	11268	2.42	ug/L #	75
6) Bromomethane	1.851	94	6623	2.92	ug/L	98
8) Chloroethane	1.935	64	6073	2.31	ug/L	95
9) Trichlorofluoromethane	2.141	101	12628	2.40	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	10284	2.99	ug/L #	85
12) 1,1-Dichloroethene	2.584	96	9553	2.81	ug/L #	1
13) Acetone	2.633	43	13182	6.20	ug/L	99
14) Carbon disulfide	2.800	76	24317	2.27	ug/L	98
15) Methyl Acetate	2.954	43	11773	2.44	ug/L	98
16) Methylene chloride	3.054	84	11620	2.29	ug/L	97
17) trans-1,2-Dichloroethene	3.359	96	7656	2.18	ug/L	94
18) Methyl tert-butyl Ether	3.369	73	22865	2.15	ug/L	99
19) 1,1-Dichloroethane	3.880	63	15481	2.25	ug/L	94
20) cis-1,2-Dichloroethene	4.674	96	8741	2.26	ug/L	98
22) 2-Butanone	4.710	43	16317	4.66	ug/L	99
23) Bromochloromethane	4.980	128	4740	2.26	ug/L	95
25) Chloroform	5.099	83	16315	2.43	ug/L	88

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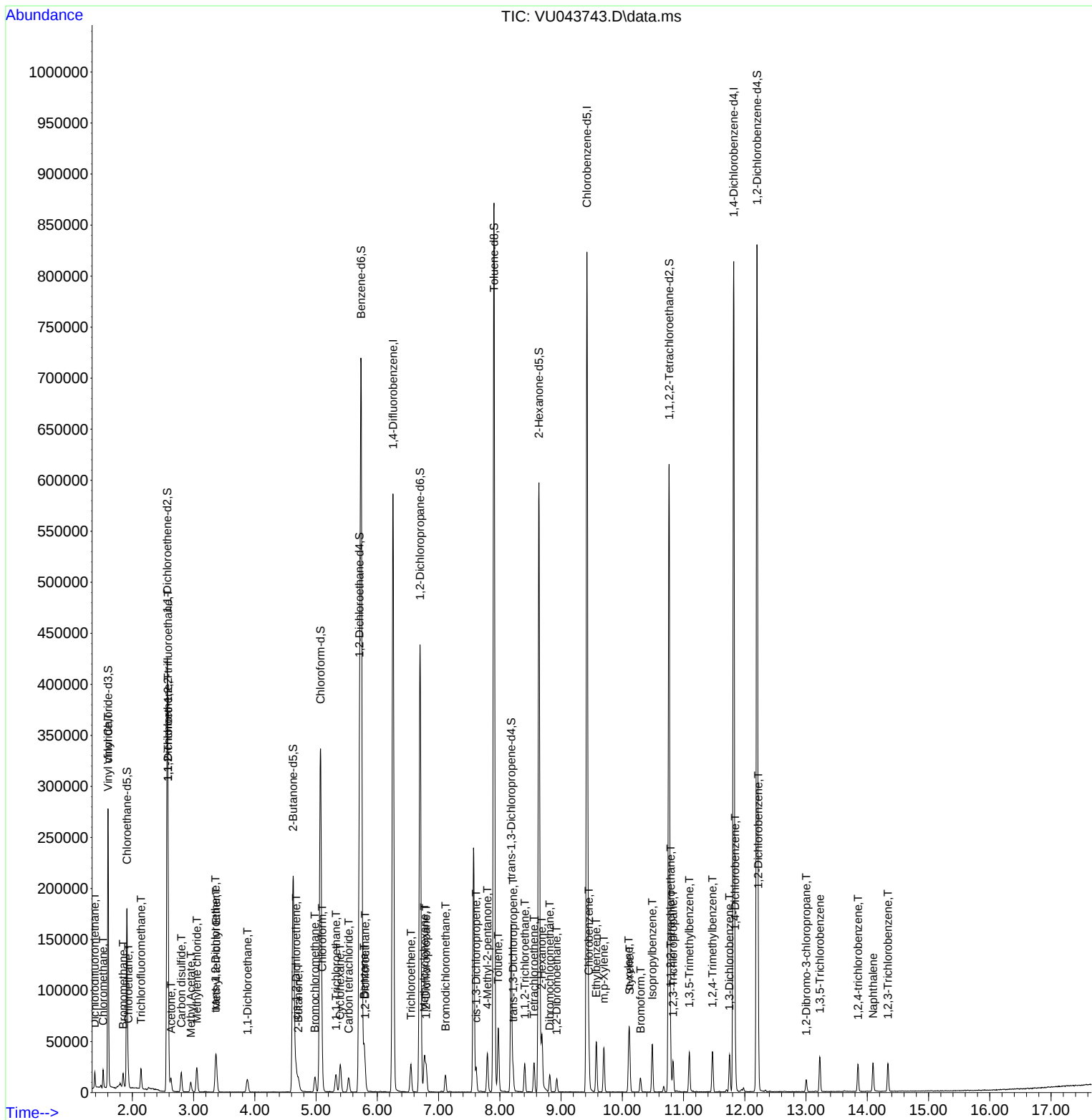
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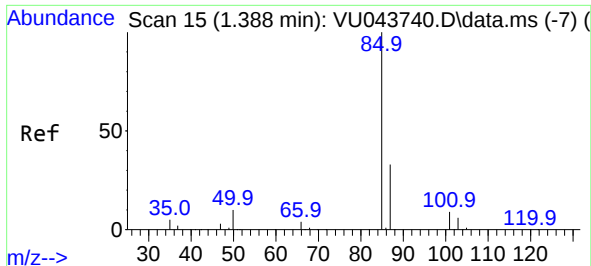
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.803	62	12473	2.41	ug/L	98
29) Cyclohexane	5.394	56	12130	1.98	ug/L	94
30) 1,1,1-Trichloroethane	5.327	97	12285	2.21	ug/L	100
31) Carbon tetrachloride	5.533	117	9782	2.15	ug/L	96
33) Benzene	5.784	78	35734	2.29	ug/L	100
34) Trichloroethene	6.549	95	8644	2.28	ug/L	96
35) Methylcyclohexane	6.767	83	12812	2.14	ug/L	98
37) 1,2-Dichloropropane	6.796	63	9402	2.21	ug/L	99
38) Bromodichloromethane	7.115	83	11294	2.24	ug/L	98
39) cis-1,3-Dichloropropene	7.613	75	12569	2.16	ug/L	94
40) 4-Methyl-2-pentanone	7.796	43	24536	3.83	ug/L	98
42) Toluene	7.973	91	44448	2.73	ug/L	99
44) trans-1,3-Dichloropropene	8.218	75	14728	2.70	ug/L	93
45) 1,1,2-Trichloroethane	8.407	97	8895	2.27	ug/L	97
46) Tetrachloroethene	8.558	164	6574	2.21	ug/L	94
48) 2-Hexanone	8.687	43	29787	5.80	ug/L	97
49) Dibromochloromethane	8.816	129	8687	2.16	ug/L	94
50) 1,2-Dibromoethane	8.928	107	9062	2.23	ug/L #	98
51) Chlorobenzene	9.452	112	22921	2.27	ug/L	96
52) Ethylbenzene	9.574	91	34135	2.03	ug/L	96
53) m,p-Xylene	9.700	106	12472	1.96	ug/L	100
54) o-xylene	10.105	106	11383	1.81	ug/L	94
55) Styrene	10.121	104	18628	1.76	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.790	83	15472	2.17	ug/L #	97
59) Bromoform	10.298	173	6346	2.22	ug/L	99
60) 1,2,3-Trichloropropane	10.828	75	12473	2.44	ug/L	98
61) Isopropylbenzene	10.491	105	29449	2.06	ug/L	99
62) 1,3,5-Trimethylbenzene	11.095	105	21535	1.81	ug/L	98
63) 1,2,4-Trimethylbenzene	11.475	105	20900	1.75	ug/L	95
64) 1,3-Dichlorobenzene	11.751	146	15546	2.23	ug/L	98
65) 1,4-Dichlorobenzene	11.841	146	16504	2.32	ug/L	99
67) 1,2-Dichlorobenzene	12.221	146	17152	2.37	ug/L	97
68) 1,2-Dibromo-3-chloropr...	13.002	75	3015	2.15	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.227	180	11406	2.21	ug/L	98
70) 1,2,4-trichlorobenzene	13.848	180	8944	2.03	ug/L	96
71) Naphthalene	14.095	128	23370	1.59	ug/L	99
72) 1,2,3-Trichlorobenzene	14.336	180	9139	1.97	ug/L	97

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

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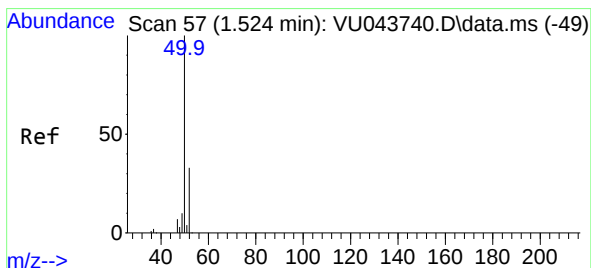
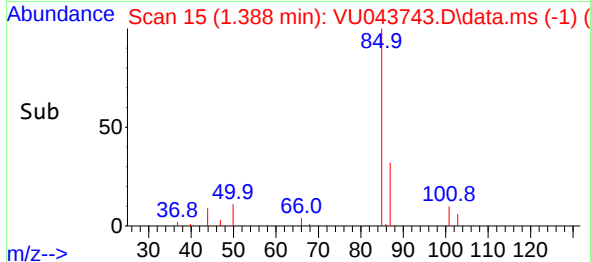
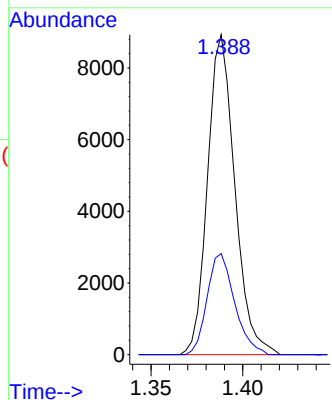
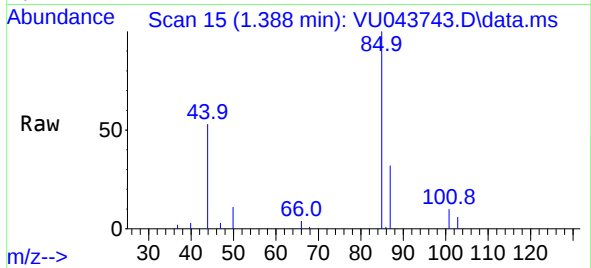




#2
Dichlorodifluoromethane
Concen: 2.33 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

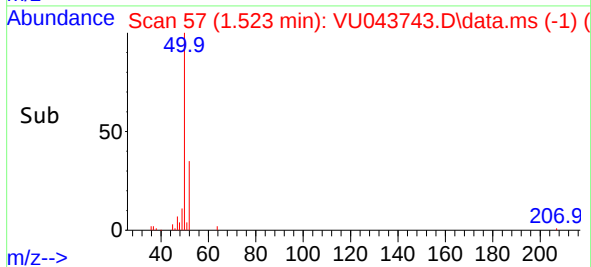
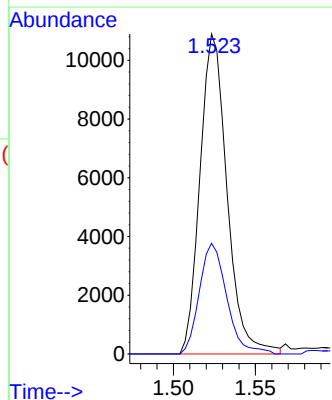
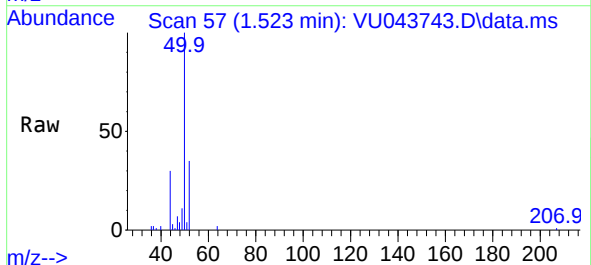
Instrument :
MSVOA_U
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MDL-MED-MED-SOIL-QT3-2021-05

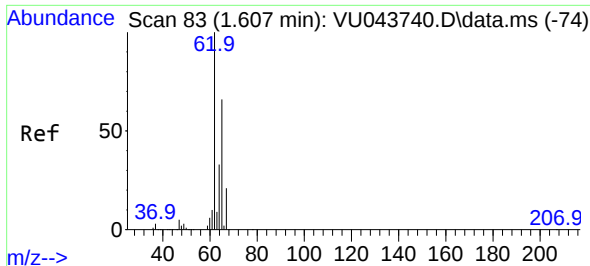
Tgt Ion: 85 Resp: 9218
Ion Ratio Lower Upper
85 100
87 31.8 25.9 38.9



#3
Chloromethane
Concen: 2.61 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 50 Resp: 12488
Ion Ratio Lower Upper
50 100
52 34.6 23.2 43.2

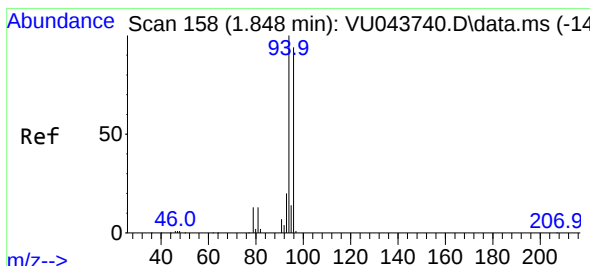
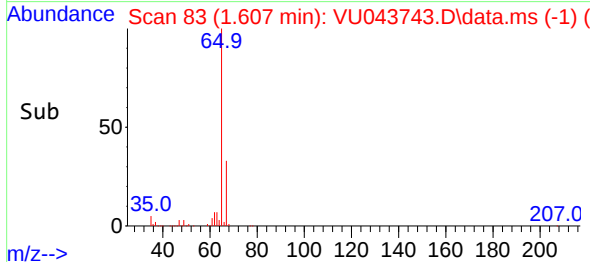
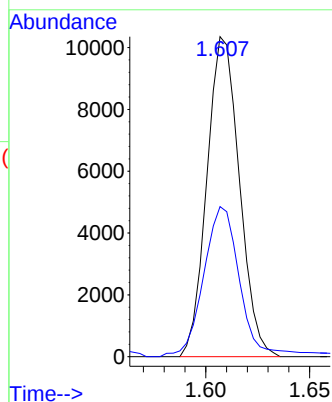
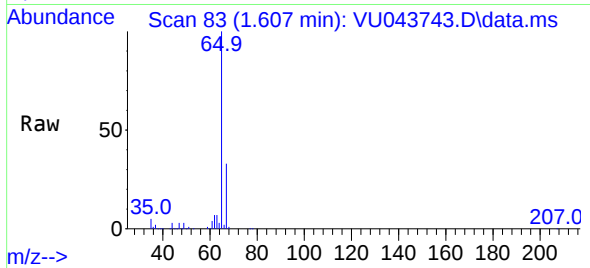




#5
 Vinyl chloride
 Concen: 2.42 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU043743.D
 Acq: 14 May 2021 10:09

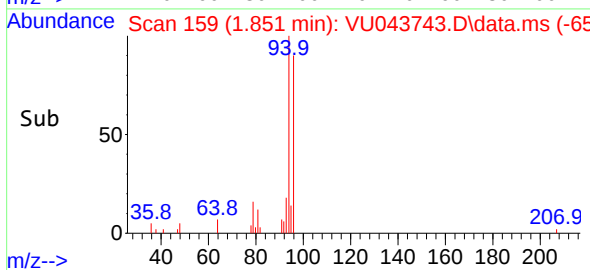
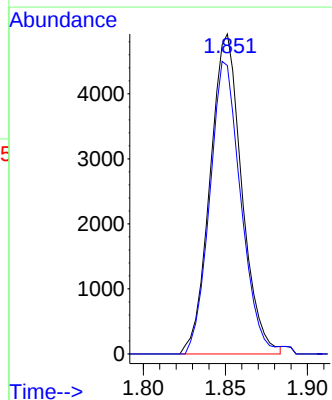
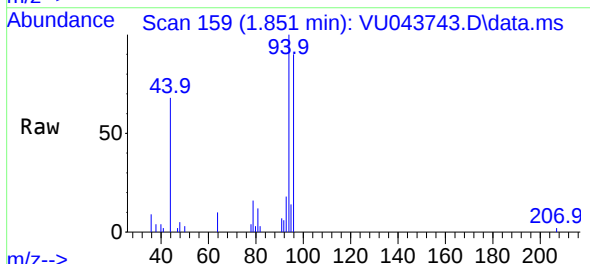
Instrument :
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 ClientSampleId :
 MDL-MED-MED-SOIL-QT3-2021-05

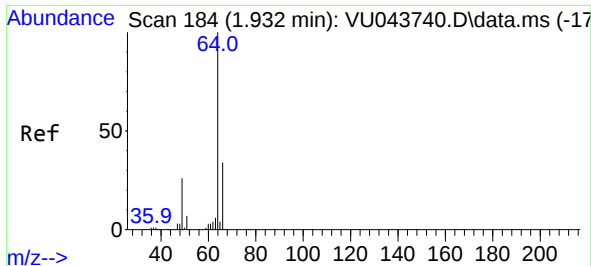
Tgt Ion: 62 Resp: 11268
 Ion Ratio Lower Upper
 62 100
 64 46.9 22.9 42.5#



#6
 Bromomethane
 Concen: 2.92 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. 0.003 min
 Lab File: VU043743.D
 Acq: 14 May 2021 10:09

Tgt Ion: 94 Resp: 6623
 Ion Ratio Lower Upper
 94 100
 96 90.1 64.2 119.2

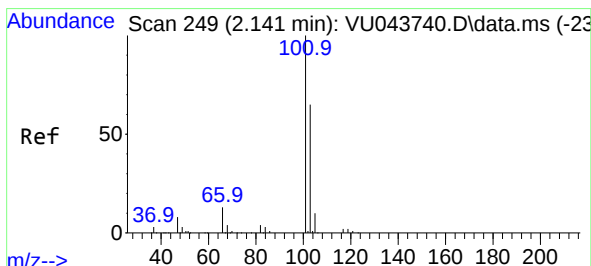
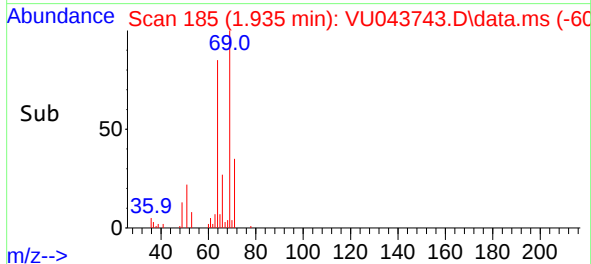
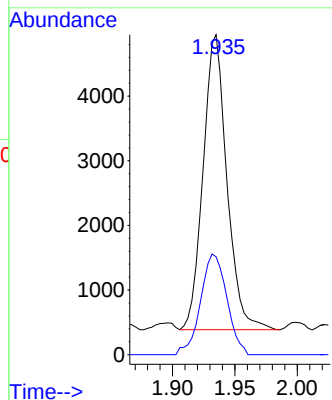
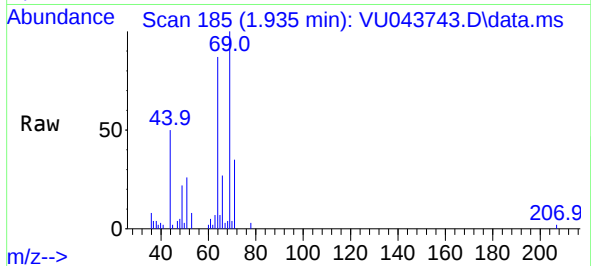




#8
Chloroethane
Concen: 2.31 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

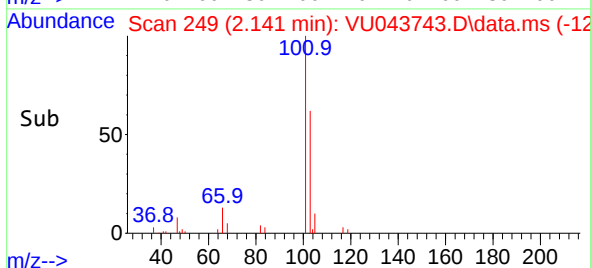
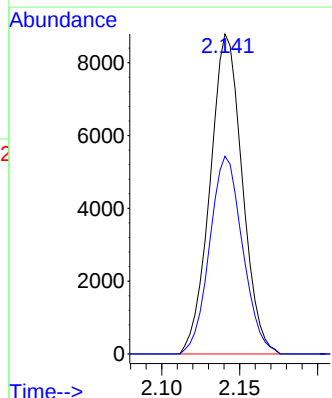
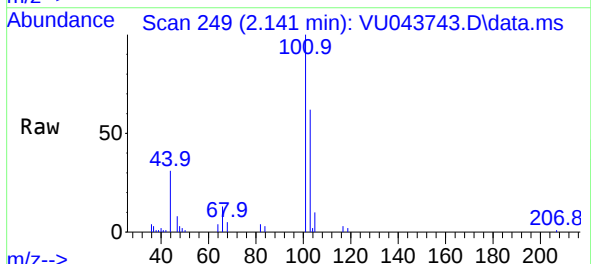
Instrument :
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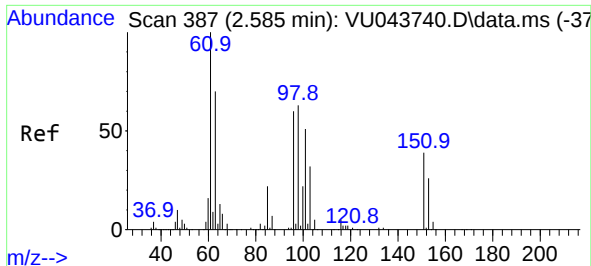
Tgt Ion: 64 Resp: 6073
Ion Ratio Lower Upper
64 100
66 30.6 23.2 43.2



#9
Trichlorofluoromethane
Concen: 2.40 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 101 Resp: 12628
Ion Ratio Lower Upper
101 100
103 63.2 52.3 78.5

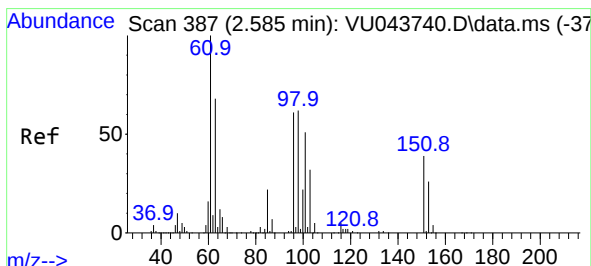
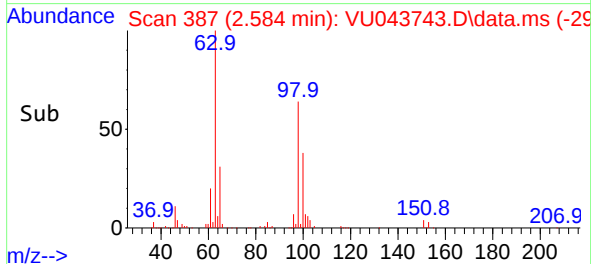
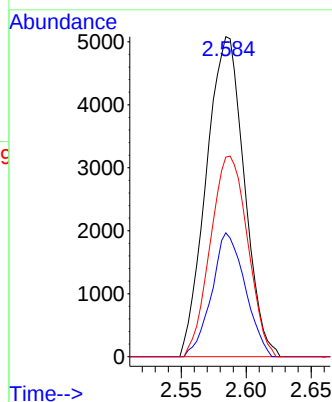
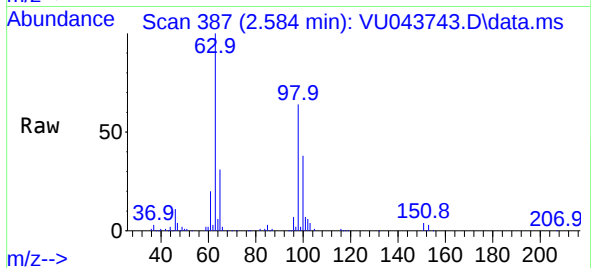




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.99 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

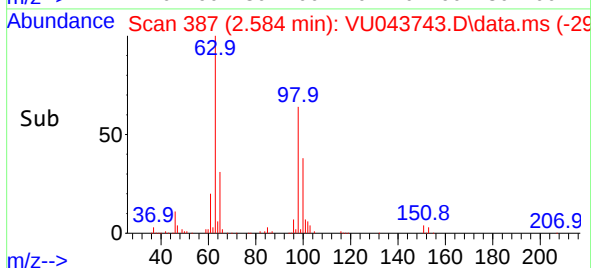
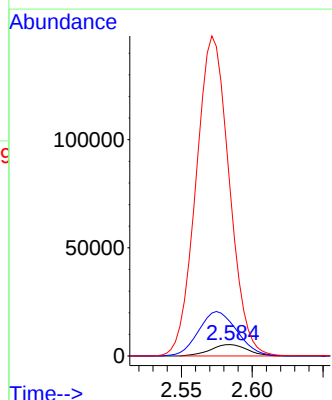
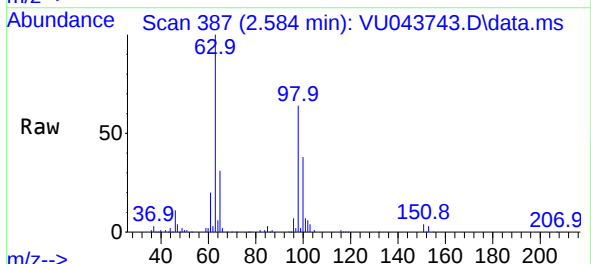
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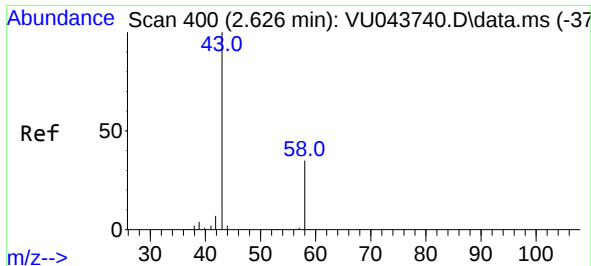
Tgt Ion:101 Resp: 10284
Ion Ratio Lower Upper
101 100
85 34.2 34.2 51.4#
151 61.7 60.4 90.6



#12
1,1-Dichloroethene
Concen: 2.81 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 96 Resp: 9553
Ion Ratio Lower Upper
96 100
61 298.7 116.3 215.9#
63 1458.6 80.8 150.2#

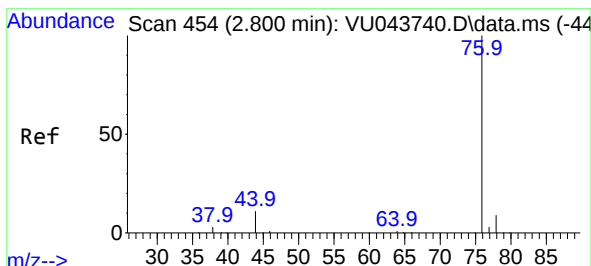
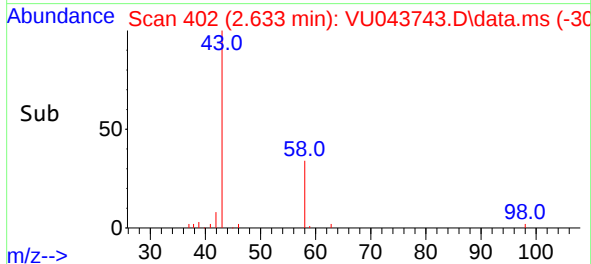
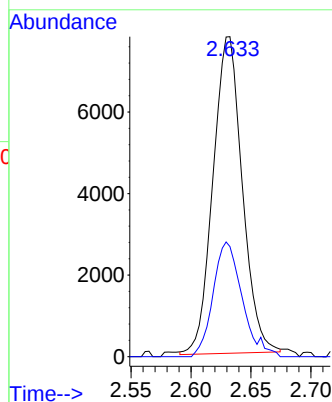
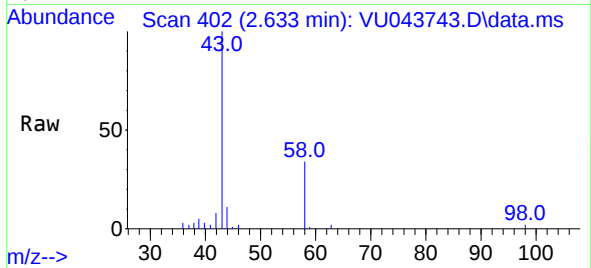




#13
Acetone
Concen: 6.20 ug/L
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

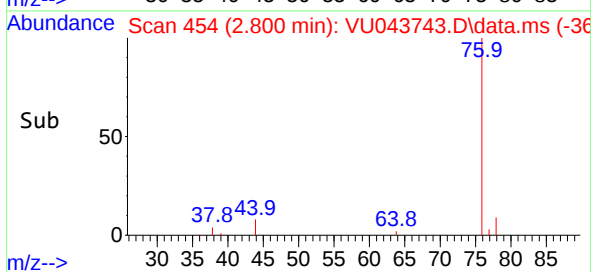
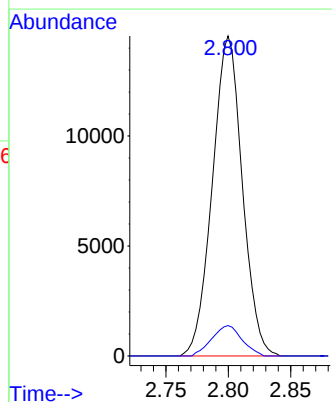
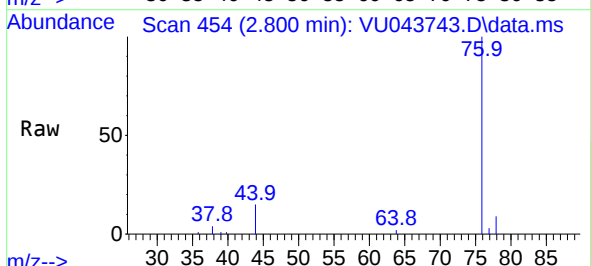
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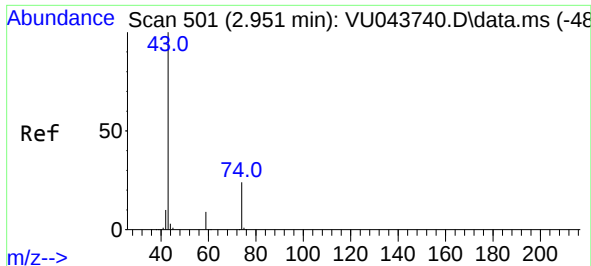
Tgt Ion: 43 Resp: 13182
Ion Ratio Lower Upper
43 100
58 34.3 0.0 69.4



#14
Carbon disulfide
Concen: 2.27 ug/L
RT: 2.800 min Scan# 454
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 76 Resp: 24317
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

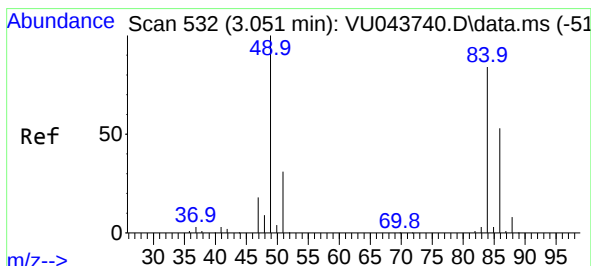
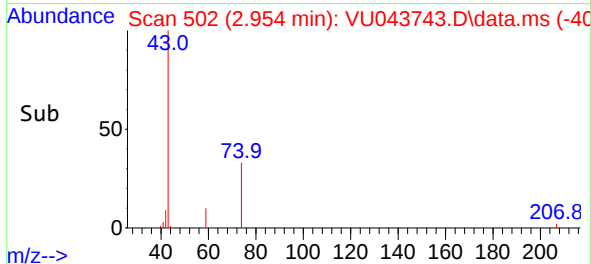
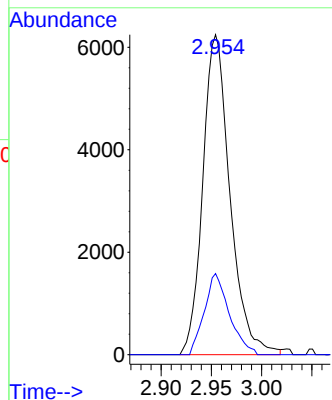
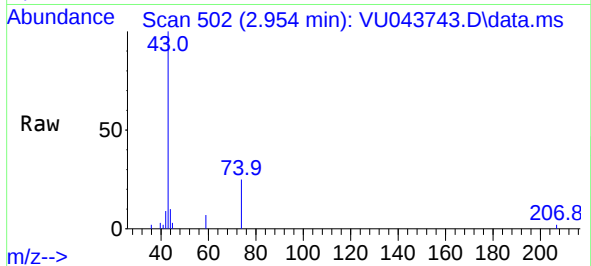




#15
Methyl Acetate
Concen: 2.44 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

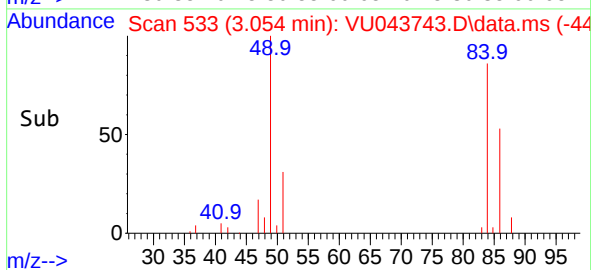
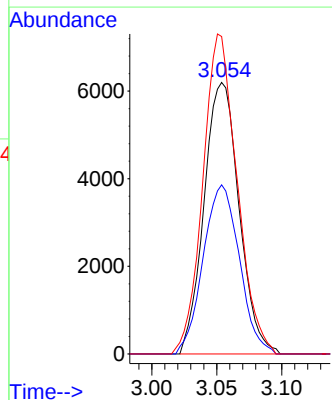
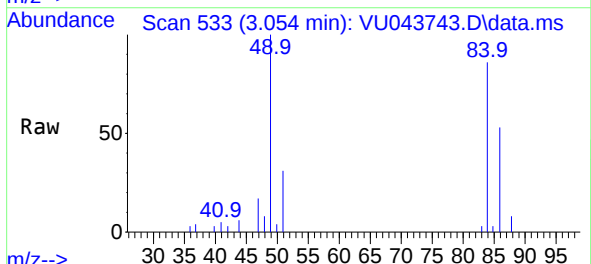
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

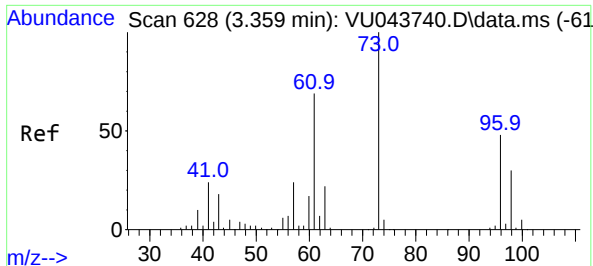
Tgt Ion: 43 Resp: 11773
Ion Ratio Lower Upper
43 100
74 23.2 19.3 28.9



#16
Methylene chloride
Concen: 2.29 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 84 Resp: 11620
Ion Ratio Lower Upper
84 100
86 62.3 44.9 83.5
49 116.9 84.9 157.7



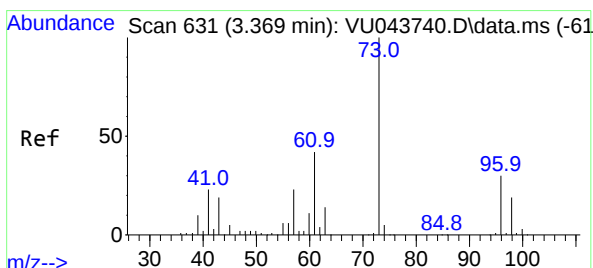
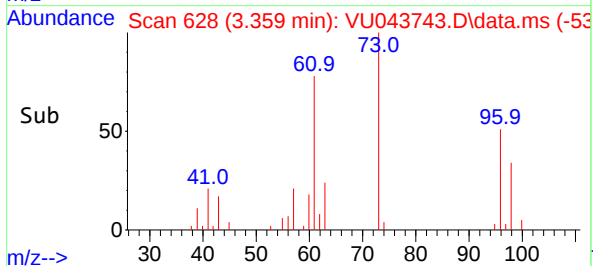
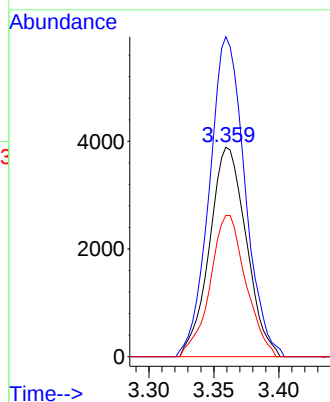
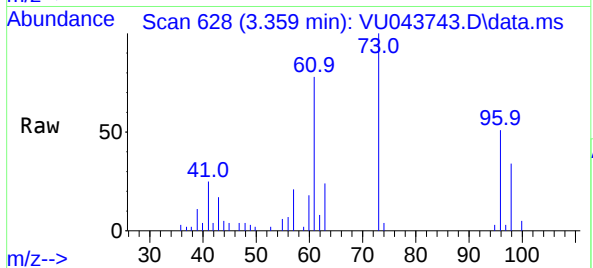


#17
trans-1,2-Dichloroethene
Concen: 2.18 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

Tgt Ion: 96 Resp: 7656

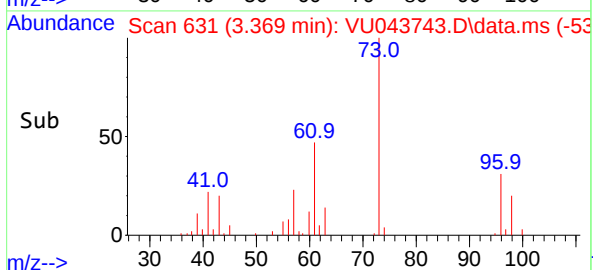
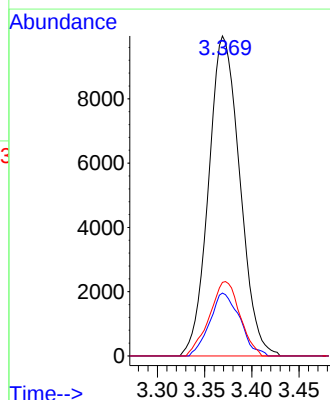
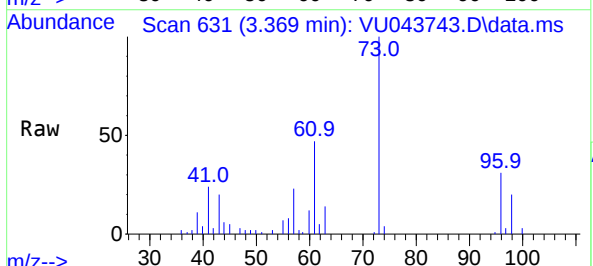
Ion	Ratio	Lower	Upper
96	100		
61	152.8	101.5	188.5
98	67.4	44.9	83.5

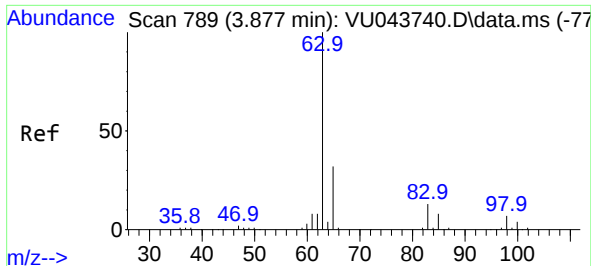


#18
Methyl tert-butyl Ether
Concen: 2.15 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 73 Resp: 22865

Ion	Ratio	Lower	Upper
73	100		
43	19.0	14.6	22.0
57	22.7	18.2	27.4



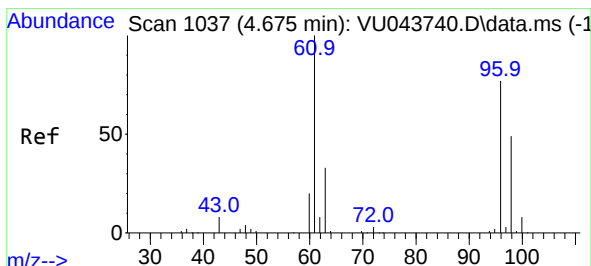
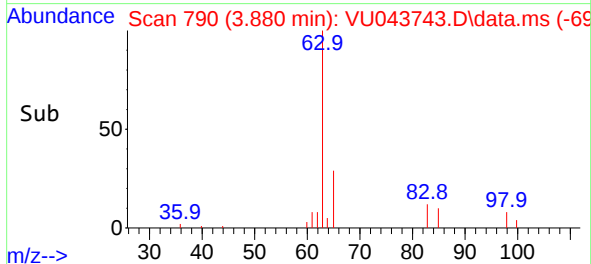
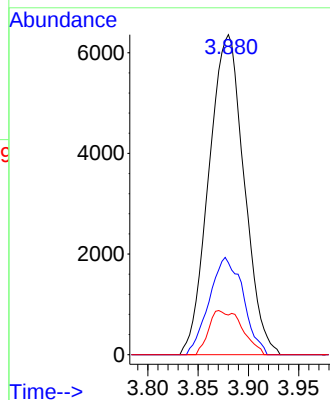
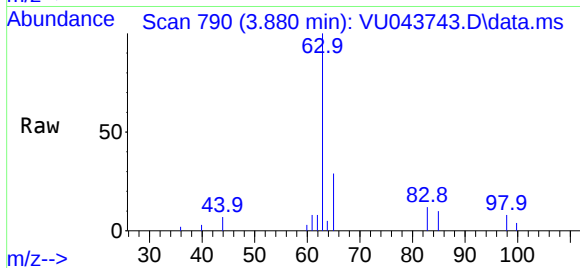


#19

1,1-Dichloroethane
Concen: 2.25 ug/L
RT: 3.880 min Scan# 790
Delta R.T. 0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

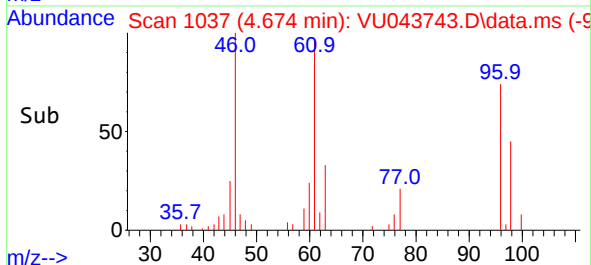
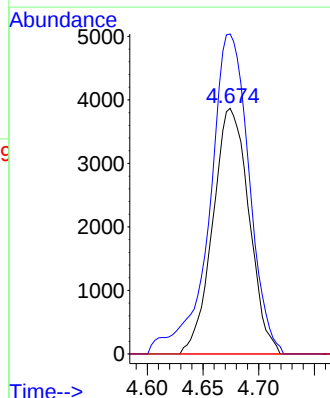
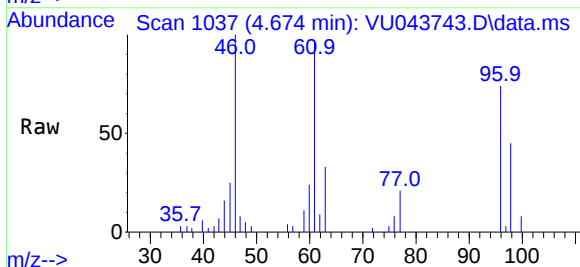
Tgt Ion:	63	Resp:	15481
Ion	Ratio	Lower	Upper
63	100		
65	27.4	22.0	41.0
83	11.8	8.7	16.1

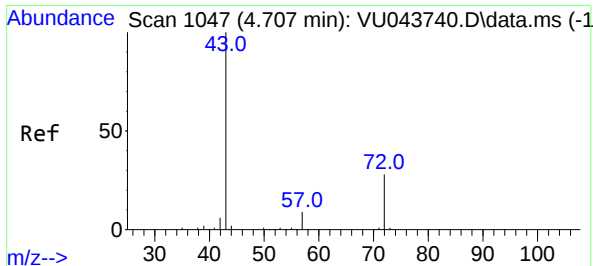


#20

cis-1,2-Dichloroethene
Concen: 2.26 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion:	96	Resp:	8741
Ion	Ratio	Lower	Upper
96	100		
61	130.3	93.1	172.9
68	0.0	0.0	0.0

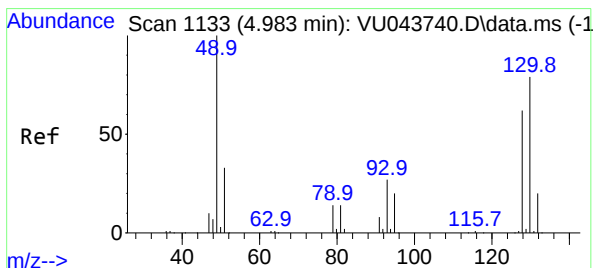
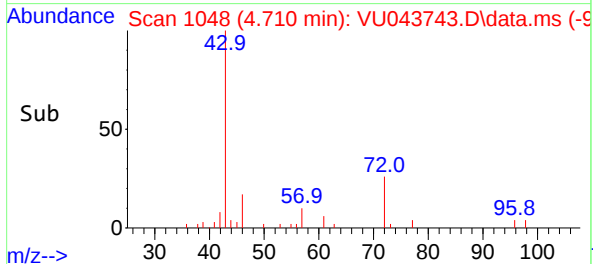
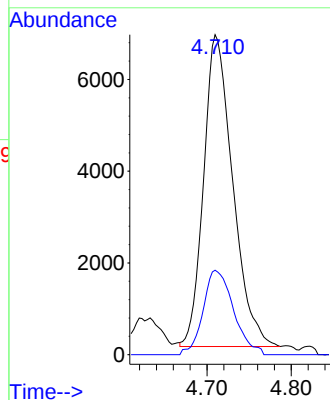
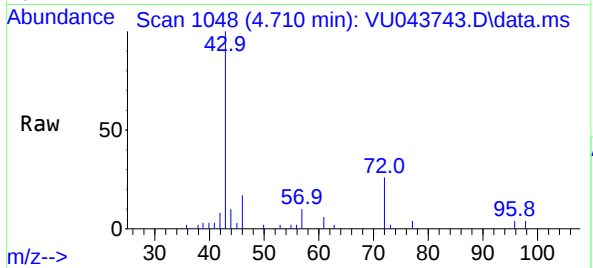




#22
2-Butanone
Concen: 4.66 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

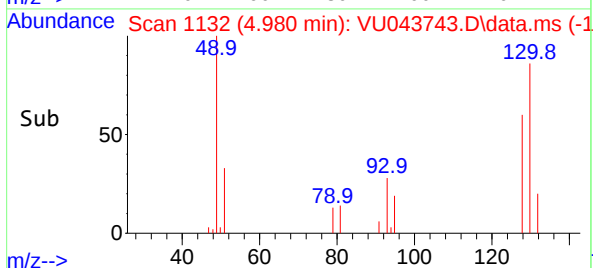
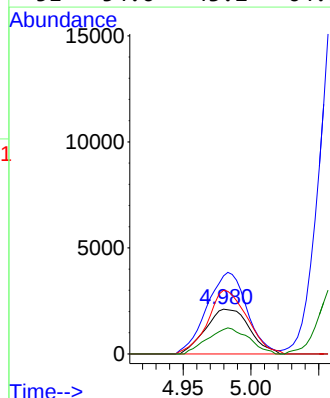
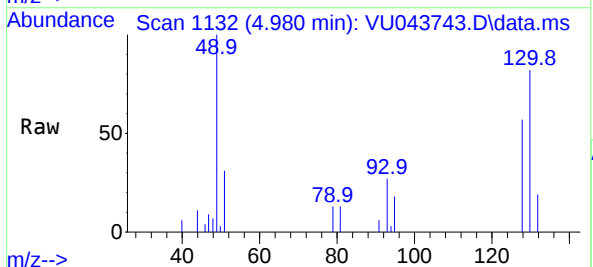
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

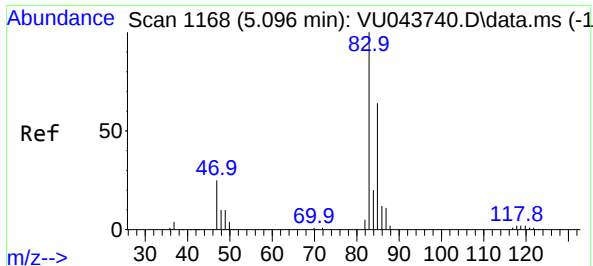
Tgt Ion: 43 Resp: 16317
Ion Ratio Lower Upper
43 100
72 28.0 13.9 41.6



#23
Bromochloromethane
Concen: 2.26 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. -0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 128 Resp: 4740
Ion Ratio Lower Upper
128 100
49 174.1 116.8 216.8
130 142.0 93.3 173.3
51 54.6 43.2 64.8



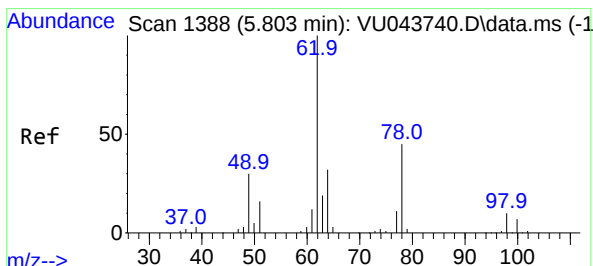
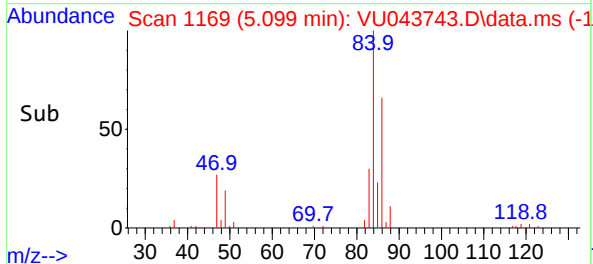
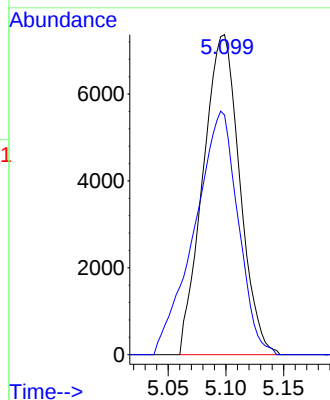
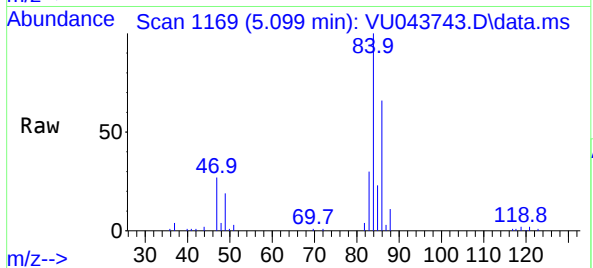


#25

Chloroform
Concen: 2.43 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. 0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

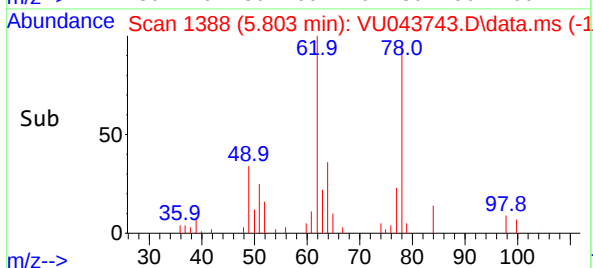
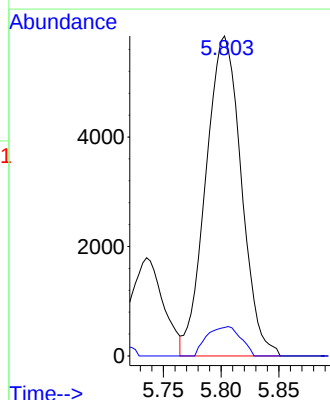
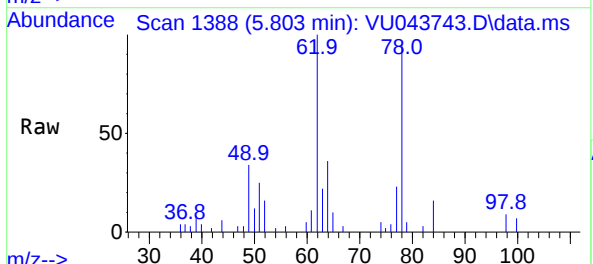
Tgt Ion: 83 Resp: 16315
Ion Ratio Lower Upper
83 100
85 74.9 45.7 84.9

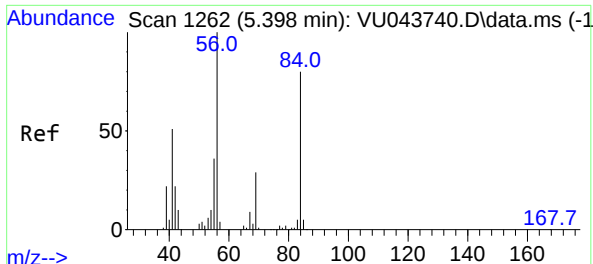


#27

1,2-Dichloroethane
Concen: 2.41 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 62 Resp: 12473
Ion Ratio Lower Upper
62 100
98 8.9 7.6 11.4



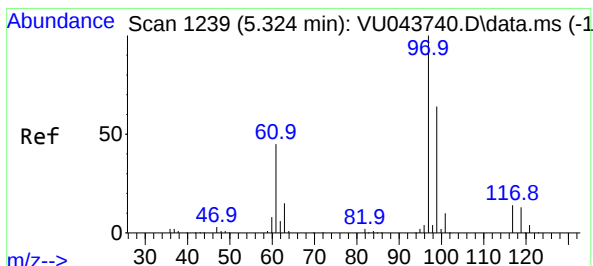
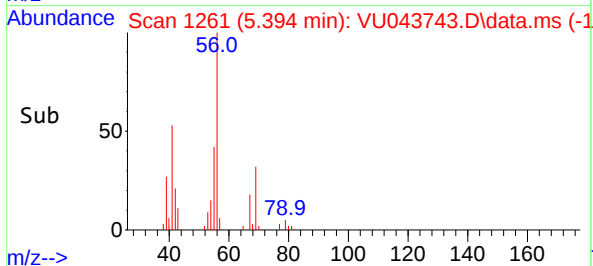
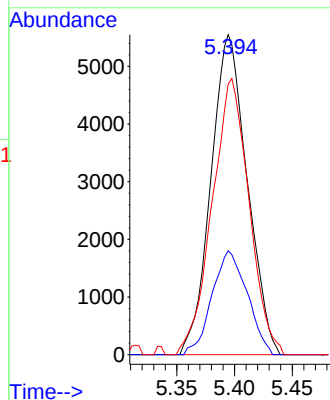
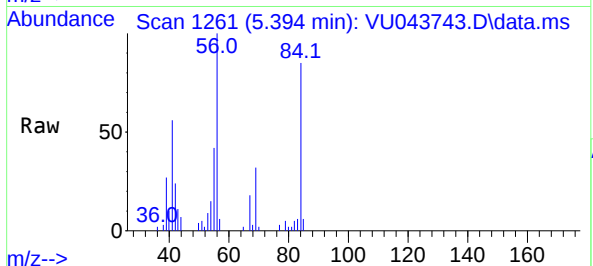


#29
Cyclohexane
Concen: 1.98 ug/L
RT: 5.394 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

Tgt Ion: 56 Resp: 12130

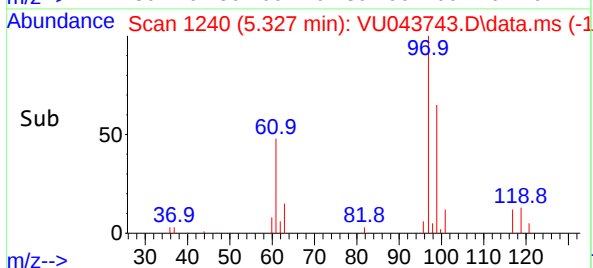
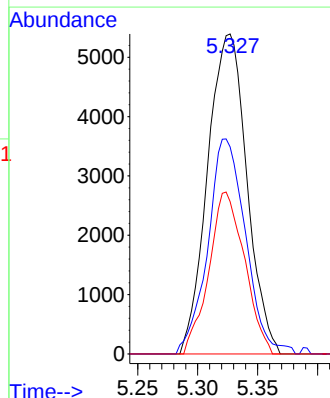
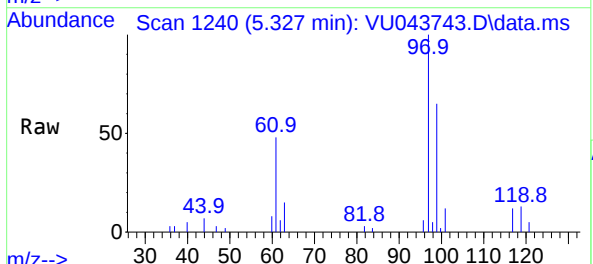
Ion	Ratio	Lower	Upper
56	100		
69	31.5	24.6	37.0
84	87.8	65.0	97.4

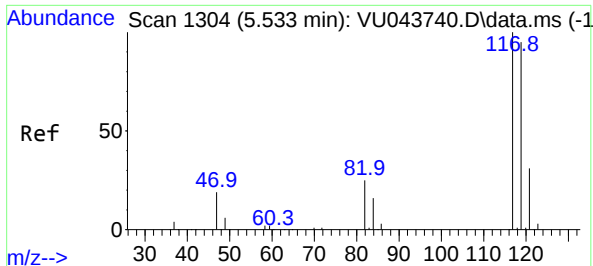


#30
1,1,1-Trichloroethane
Concen: 2.21 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. 0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 97 Resp: 12285

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	45.9	36.9	55.3

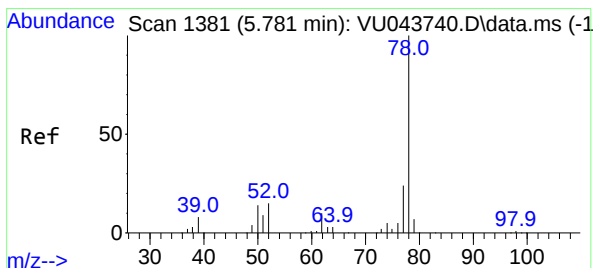
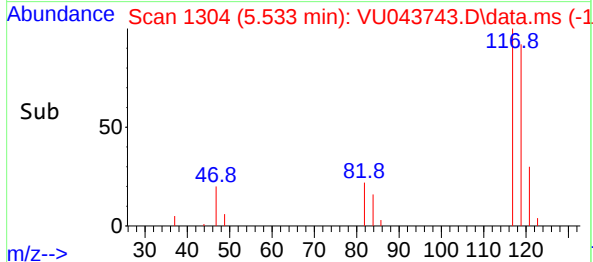
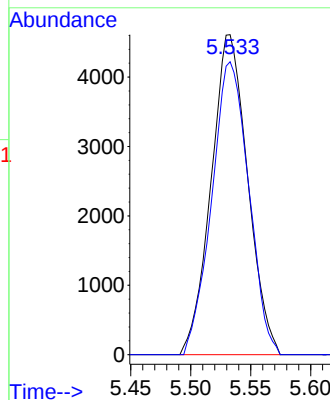
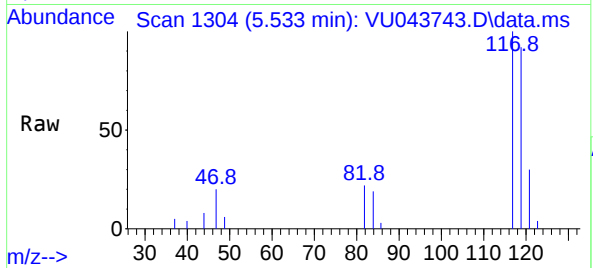




#31
Carbon tetrachloride
Concen: 2.15 ug/L
RT: 5.533 min Scan# 1304
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

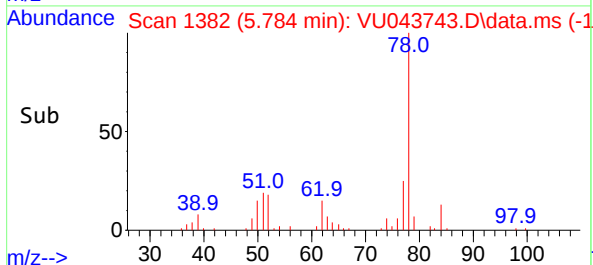
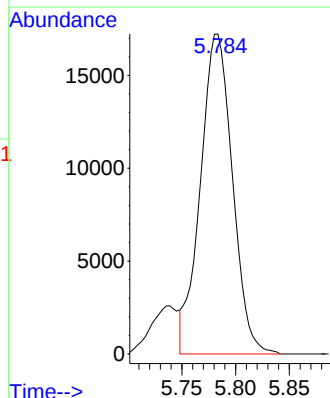
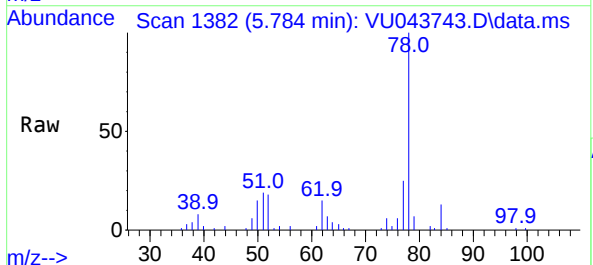
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

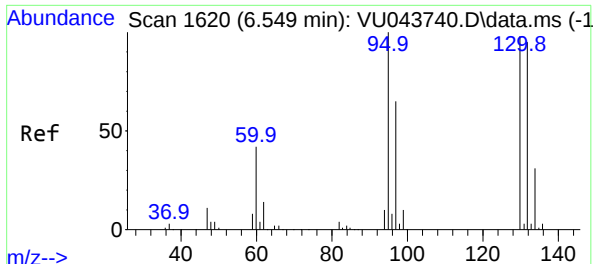
Tgt Ion:117 Resp: 9782
Ion Ratio Lower Upper
117 100
119 92.3 77.0 115.6



#33
Benzene
Concen: 2.29 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 78 Resp: 35734



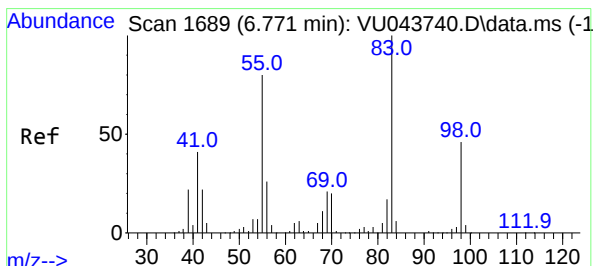
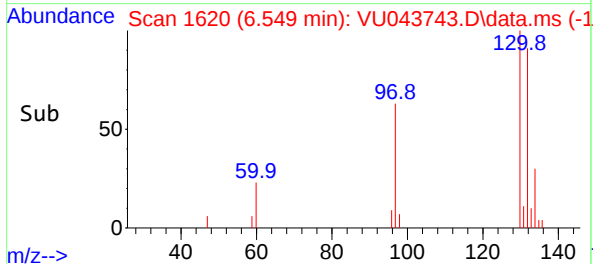
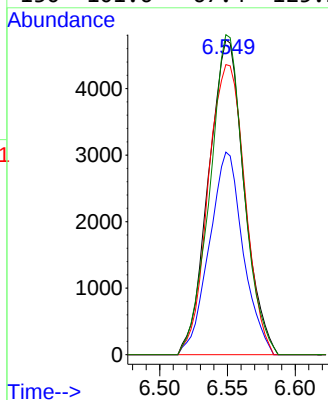
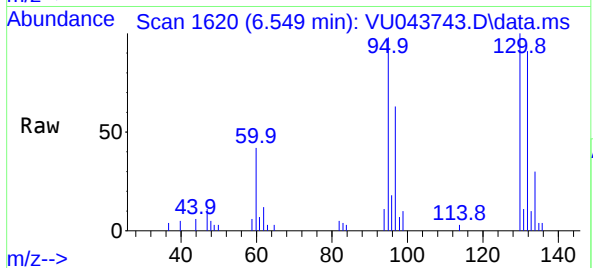


#34
Trichloroethene
Concen: 2.28 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

Tgt Ion: 95 Resp: 8644

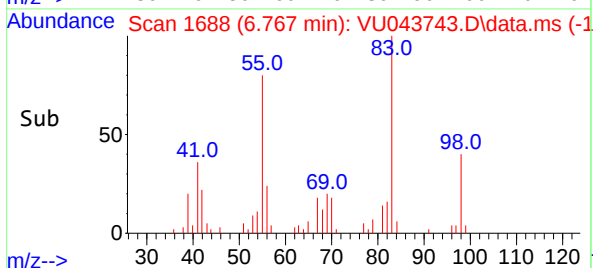
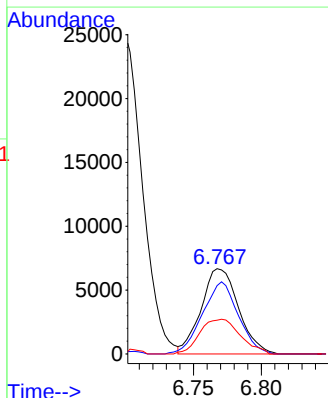
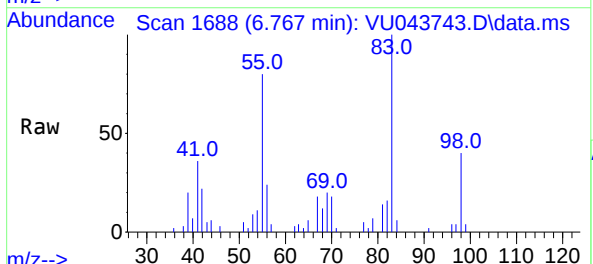
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.2	82.2
132	92.1	66.8	124.2
130	101.6	67.4	125.2

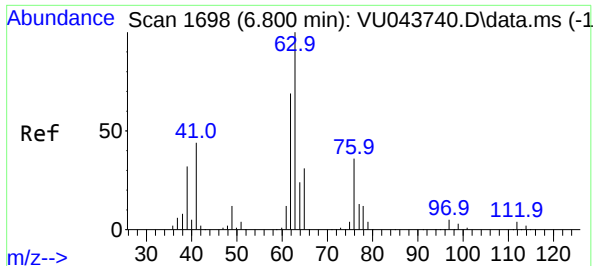


#35
Methylcyclohexane
Concen: 2.14 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 83 Resp: 12812

Ion	Ratio	Lower	Upper
83	100		
55	81.0	63.8	95.6
98	44.1	36.2	54.2

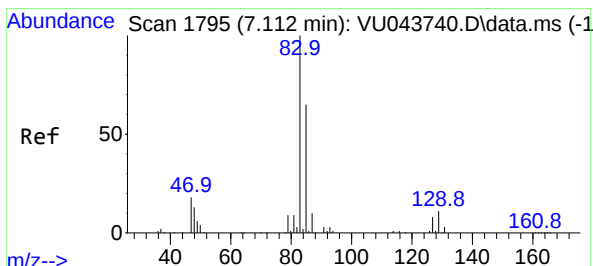
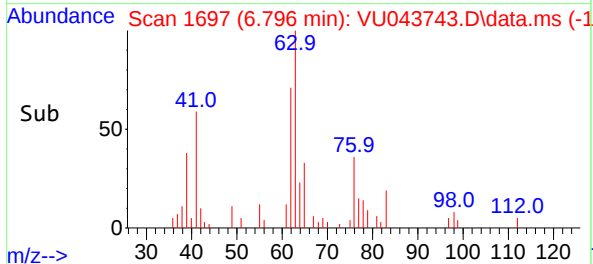
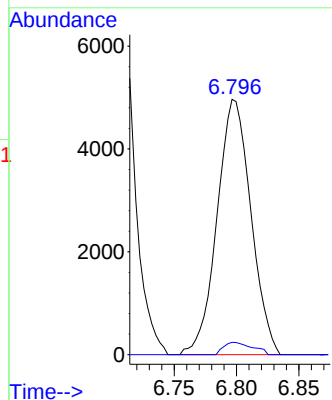
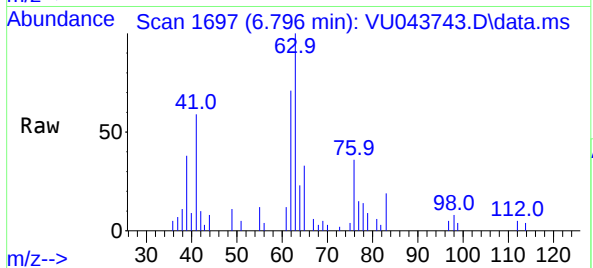




#37
1,2-Dichloropropane
Concen: 2.21 ug/L
RT: 6.796 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

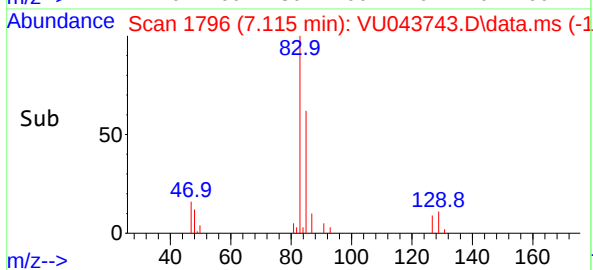
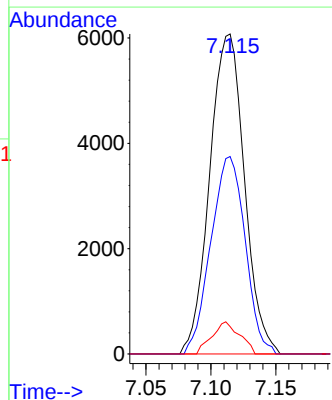
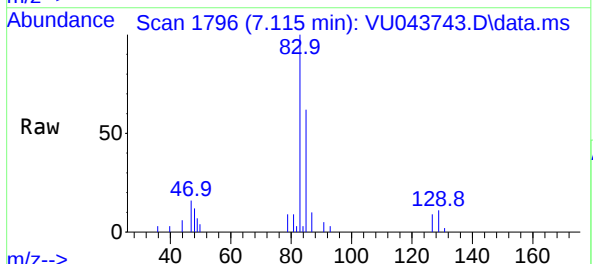
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

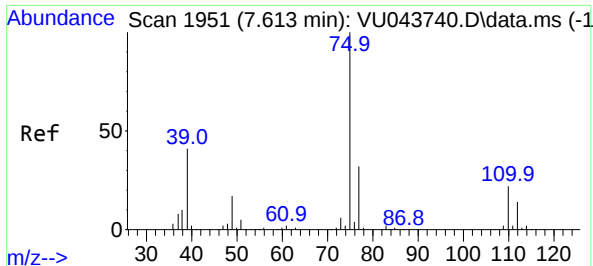
Tgt Ion: 63 Resp: 9402
Ion Ratio Lower Upper
63 100
112 4.1 3.0 4.4



#38
Bromodichloromethane
Concen: 2.24 ug/L
RT: 7.115 min Scan# 1796
Delta R.T. 0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 83 Resp: 11294
Ion Ratio Lower Upper
83 100
85 61.7 44.3 82.3
127 8.5 6.6 9.8

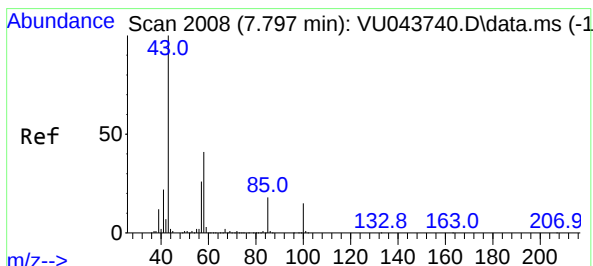
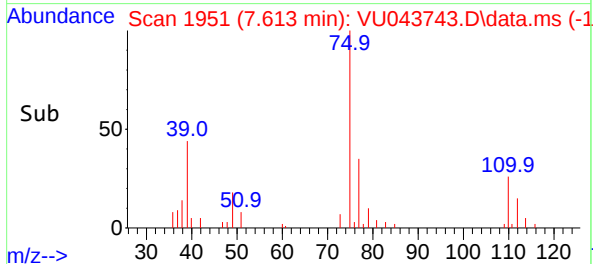
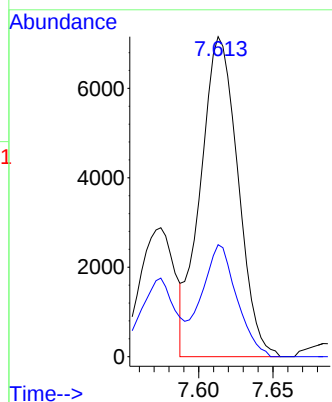
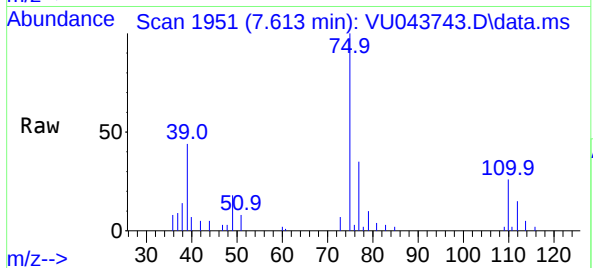




#39
cis-1,3-Dichloropropene
Concen: 2.16 ug/L
RT: 7.613 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

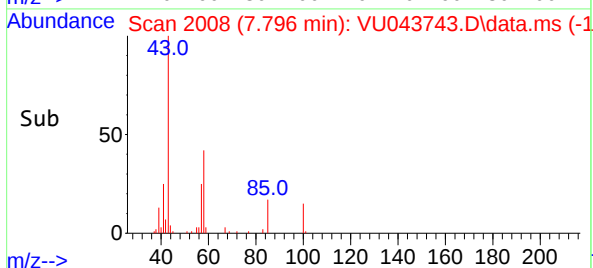
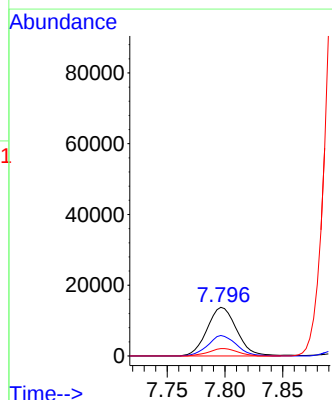
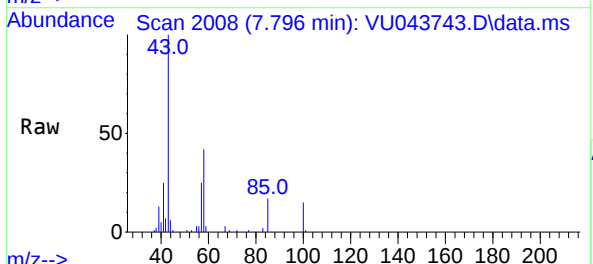
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

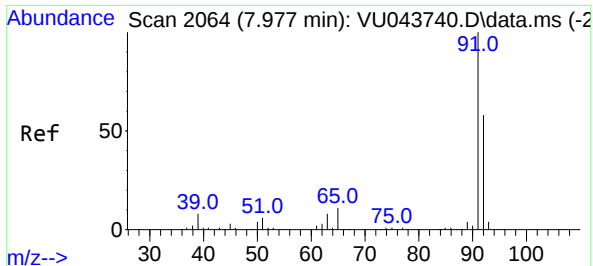
Tgt Ion: 75 Resp: 12569
Ion Ratio Lower Upper
75 100
77 35.0 22.0 41.0



#40
4-Methyl-2-pentanone
Concen: 3.83 ug/L
RT: 7.796 min Scan# 2008
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 43 Resp: 24536
Ion Ratio Lower Upper
43 100
58 40.5 33.4 50.0
100 14.7 12.2 18.2

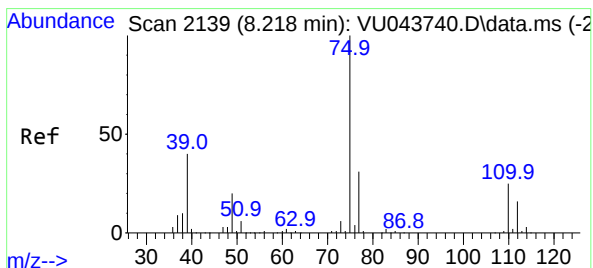
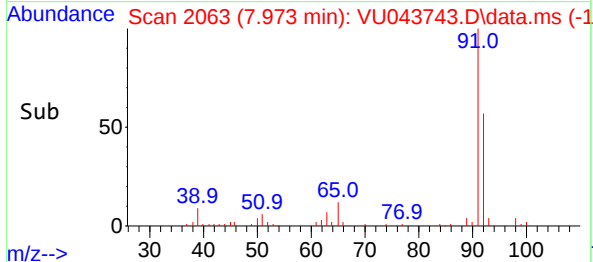
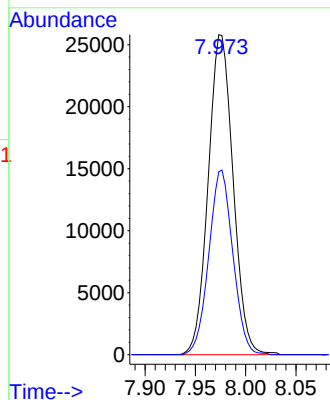
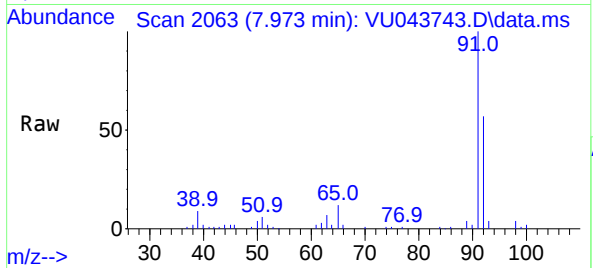




#42
Toluene
Concen: 2.73 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

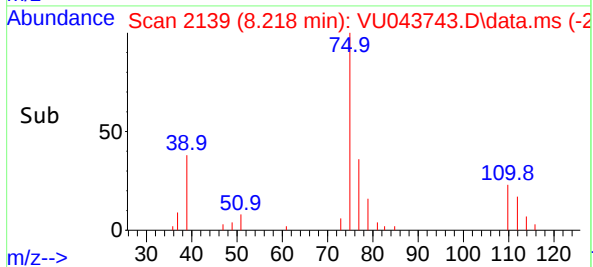
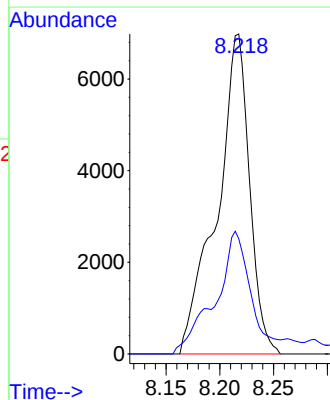
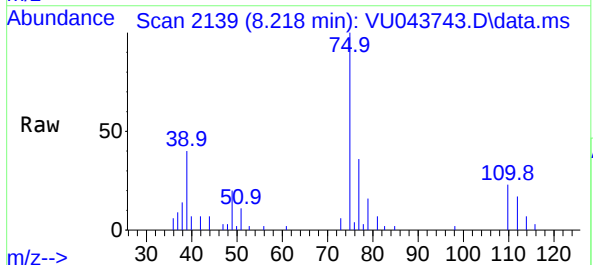
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

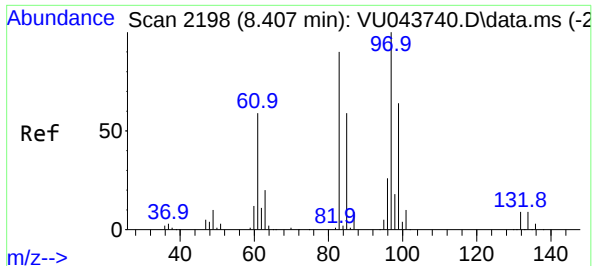
Tgt Ion: 91 Resp: 44448
Ion Ratio Lower Upper
91 100
92 57.1 39.7 73.7



#44
trans-1,3-Dichloropropene
Concen: 2.70 ug/L
RT: 8.218 min Scan# 2139
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 75 Resp: 14728
Ion Ratio Lower Upper
75 100
77 36.0 22.4 41.6





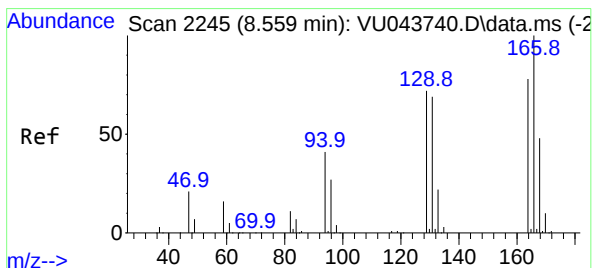
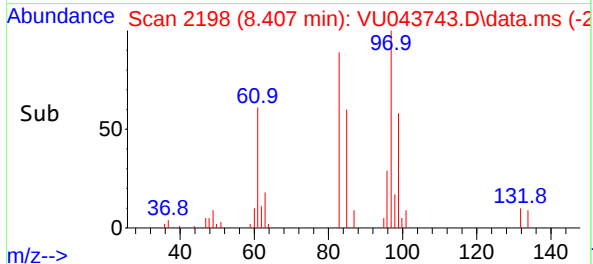
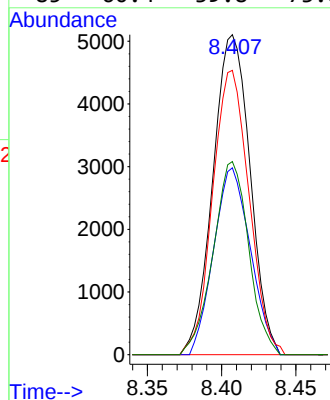
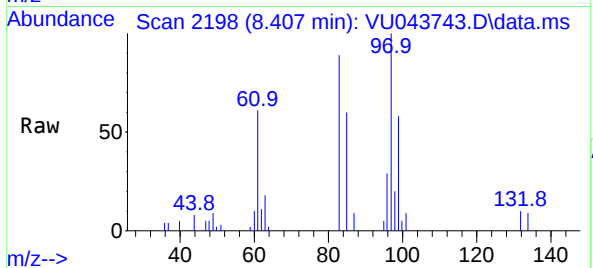
#45

1,1,2-Trichloroethane
Concen: 2.27 ug/L
RT: 8.407 min Scan# 2198
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

Tgt Ion: 97 Resp: 8895

Ion	Ratio	Lower	Upper
97	100		
99	58.4	43.2	80.2
83	88.8	61.7	114.5
85	60.4	39.8	73.8

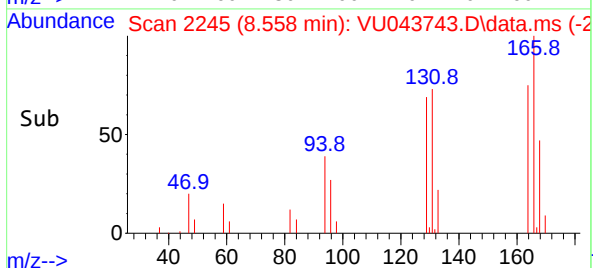
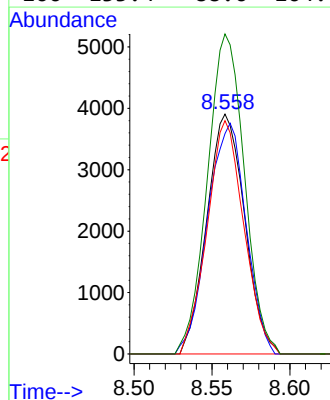
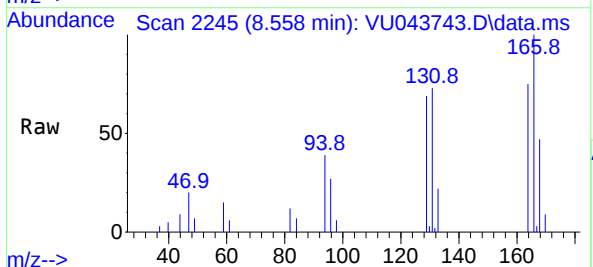


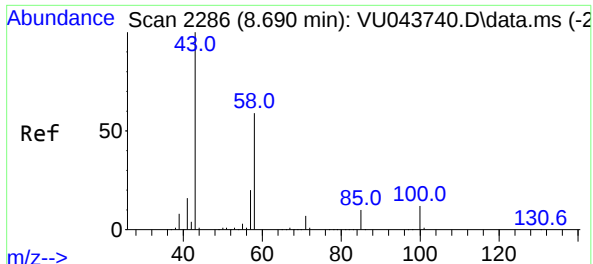
#46

Tetrachloroethene
Concen: 2.21 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 164 Resp: 6574

Ion	Ratio	Lower	Upper
164	100		
129	91.8	65.5	121.6
131	99.8	63.0	117.0
166	133.4	88.6	164.6



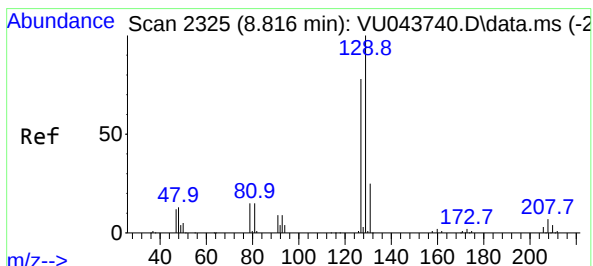
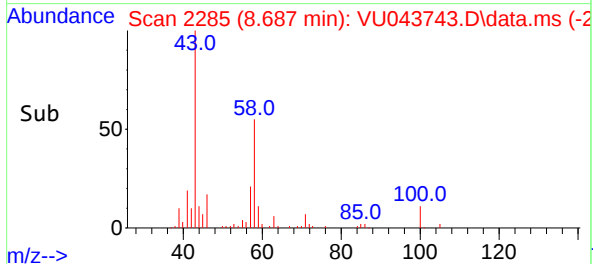
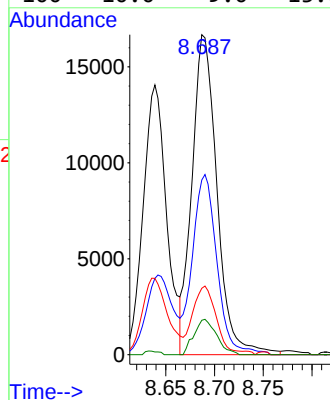
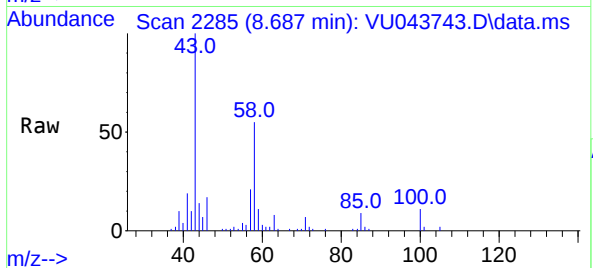


#48
2-Hexanone
Concen: 5.80 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

Tgt Ion: 43 Resp: 29787

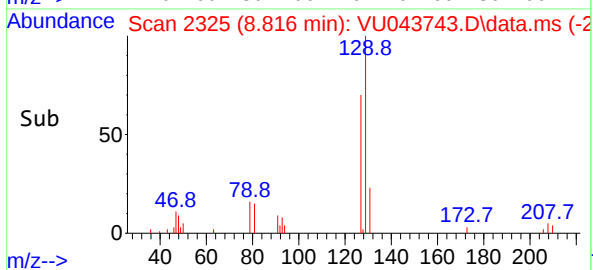
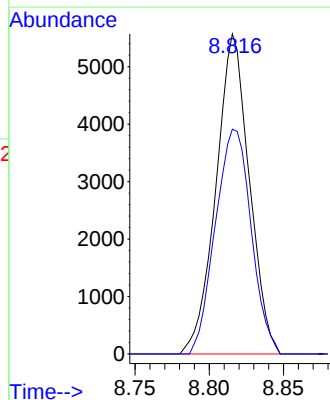
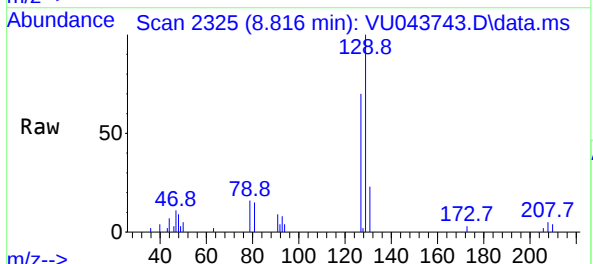
Ion	Ratio	Lower	Upper
43	100		
58	55.4	46.2	69.2
57	20.3	15.9	23.9
100	10.0	9.0	13.6

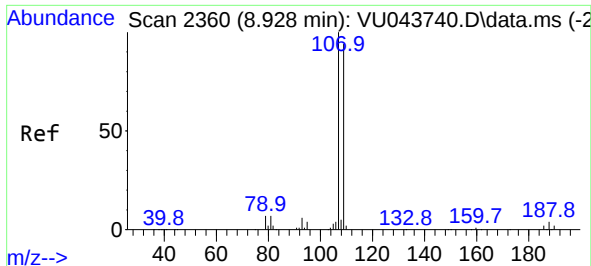


#49
Dibromochloromethane
Concen: 2.16 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 129 Resp: 8687

Ion	Ratio	Lower	Upper
129	100		
127	72.2	54.5	101.1





#50

1,2-Dibromoethane

Concen: 2.23 ug/L

RT: 8.928 min Scan# 2360

Delta R.T. -0.003 min

Lab File: VU043743.D

Acq: 14 May 2021 10:09

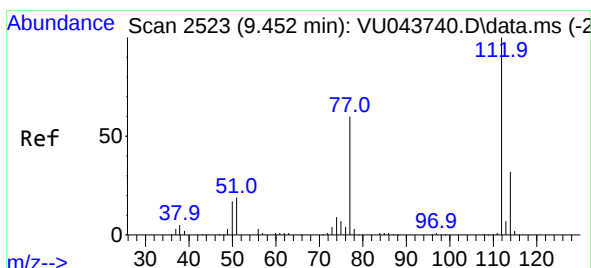
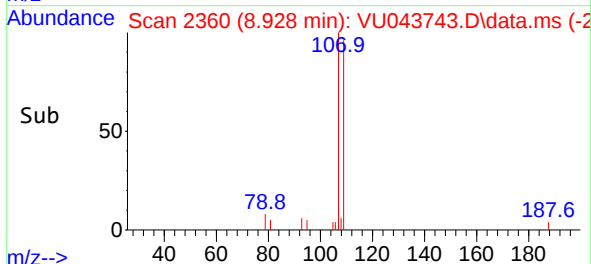
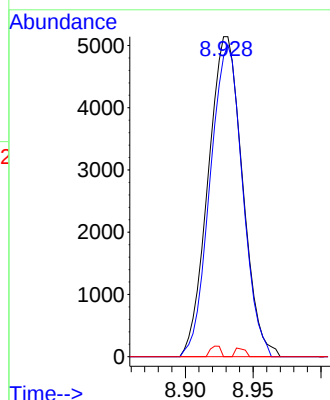
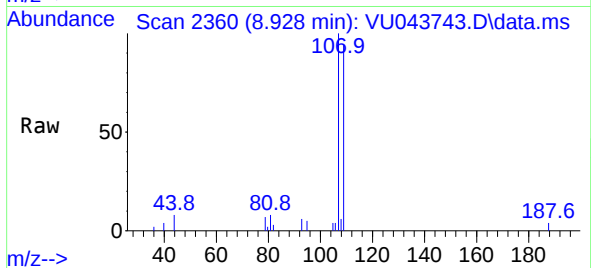
Tgt Ion:	107	Resp:	9062
Ion	Ratio	Lower	Upper
107	100		
109	93.8	66.5	123.5
188	0.0	3.2	4.8#

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-MED-SOIL-QT3-2021-05



#51

Chlorobenzene

Concen: 2.27 ug/L

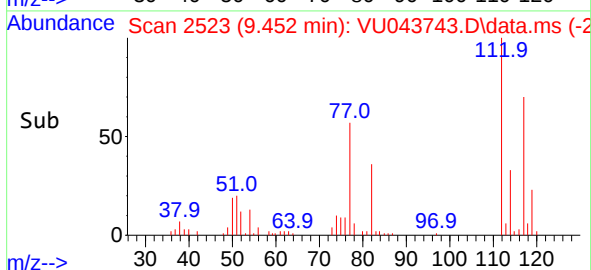
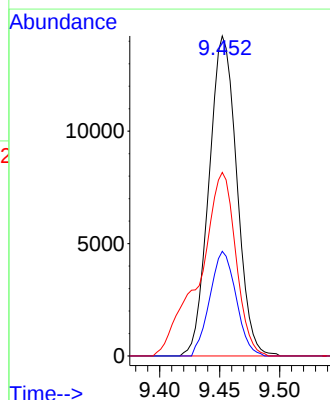
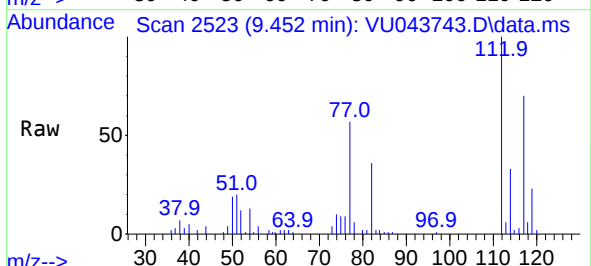
RT: 9.452 min Scan# 2523

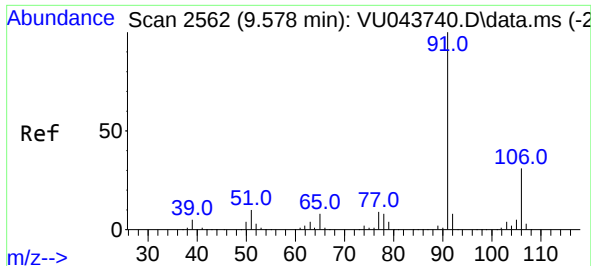
Delta R.T. 0.000 min

Lab File: VU043743.D

Acq: 14 May 2021 10:09

Tgt Ion:	112	Resp:	22921
Ion	Ratio	Lower	Upper
112	100		
114	34.9	22.7	42.1
77	57.3	48.5	72.7

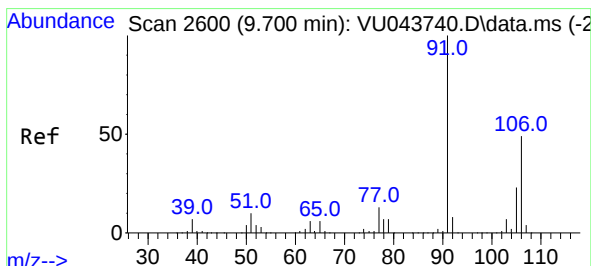
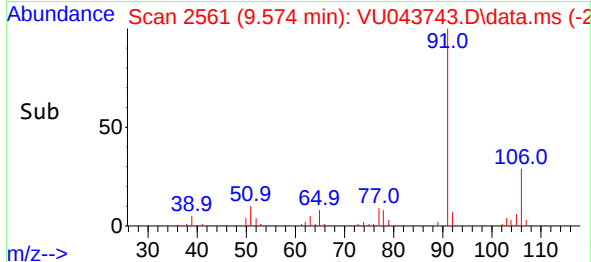
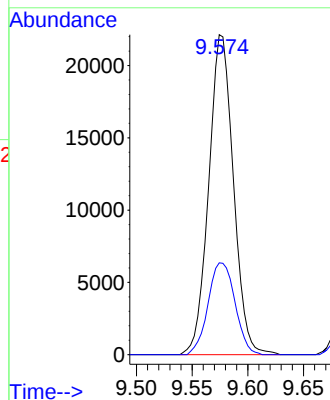
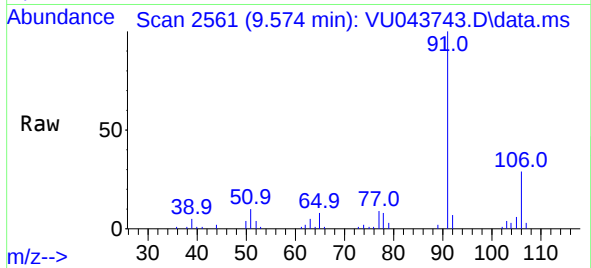




#52
Ethylbenzene
Concen: 2.03 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

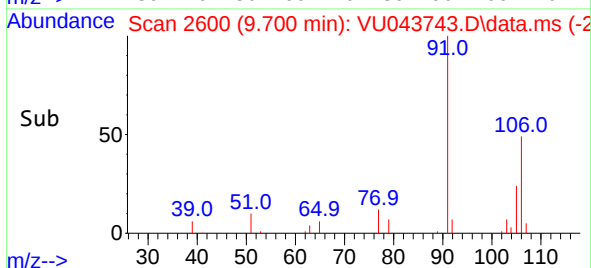
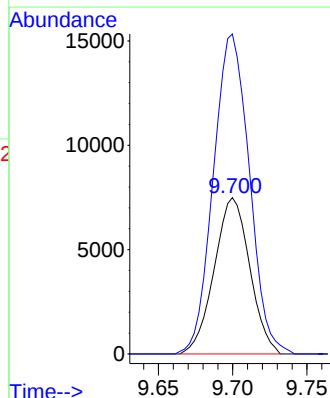
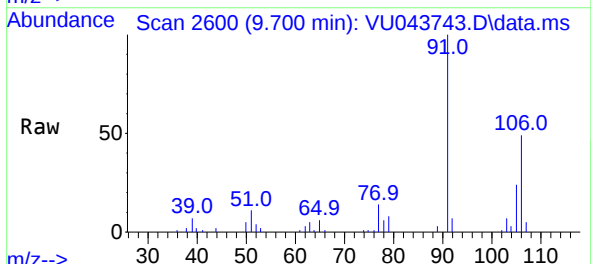
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

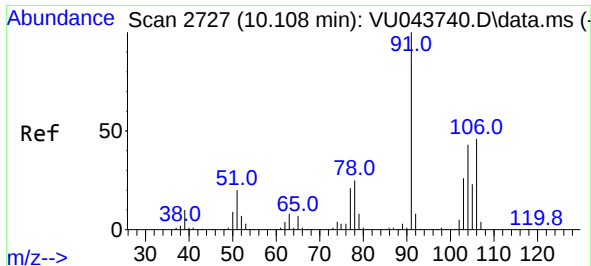
Tgt Ion: 91 Resp: 34135
Ion Ratio Lower Upper
91 100
106 28.7 21.6 40.2



#53
m,p-Xylene
Concen: 1.96 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 106 Resp: 12472
Ion Ratio Lower Upper
106 100
91 204.7 142.9 265.5

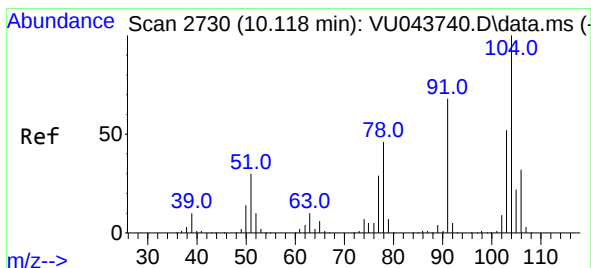
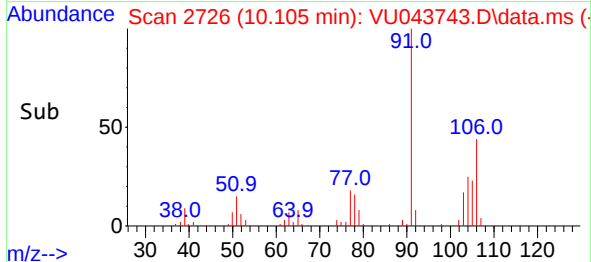
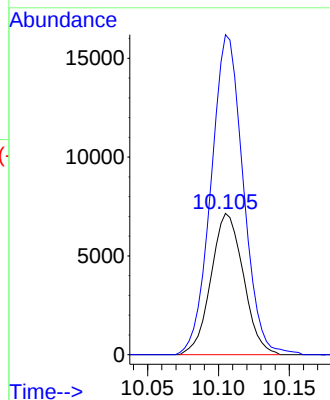
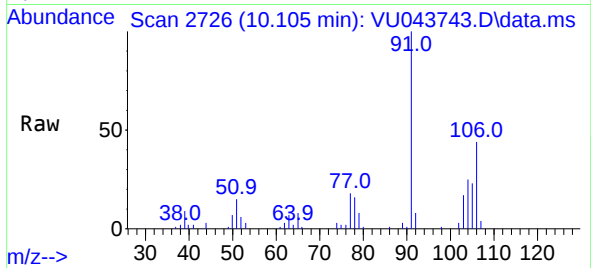




#54
o-xylene
Concen: 1.81 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

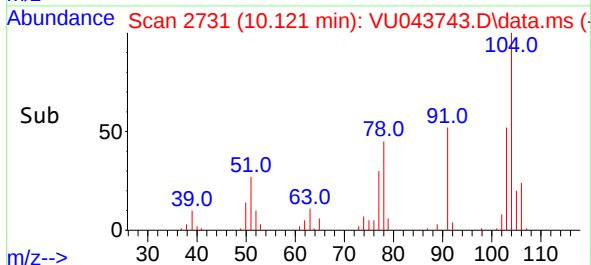
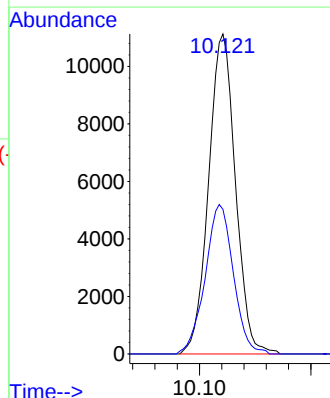
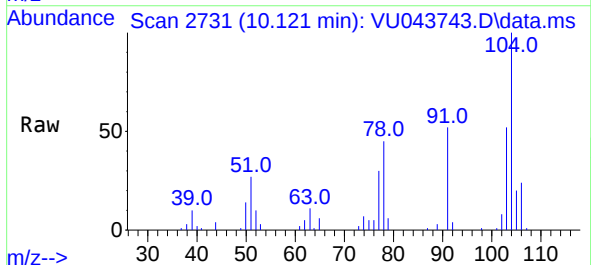
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

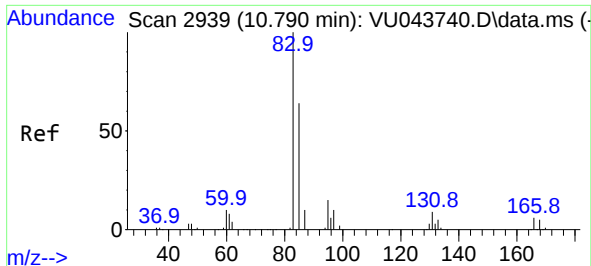
Tgt Ion:106 Resp: 11383
Ion Ratio Lower Upper
106 100
91 226.6 151.6 281.6



#55
Styrene
Concen: 1.76 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion:104 Resp: 18628
Ion Ratio Lower Upper
104 100
78 45.2 31.8 59.0

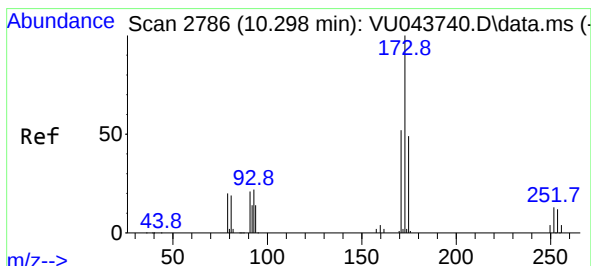
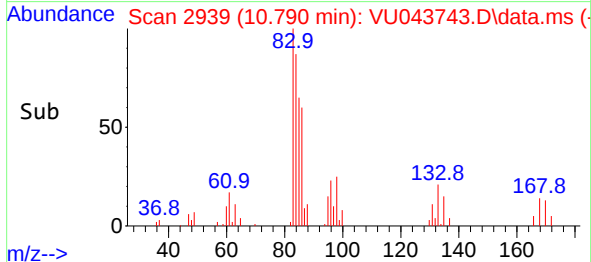
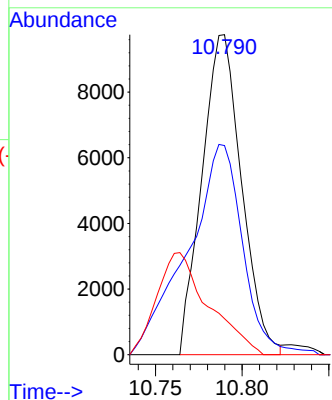
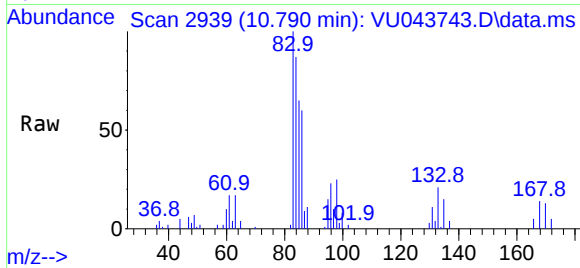




#57
1,1,2,2-Tetrachloroethane
Concen: 2.17 ug/L
RT: 10.790 min Scan# 2939
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

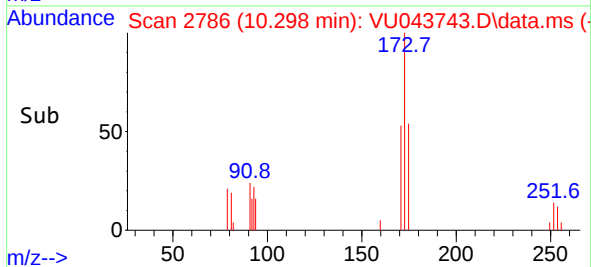
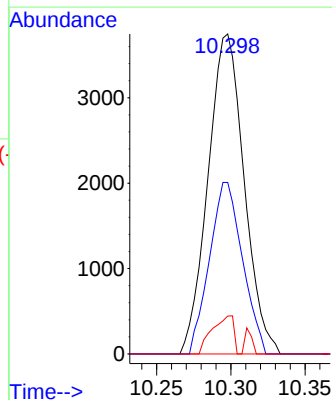
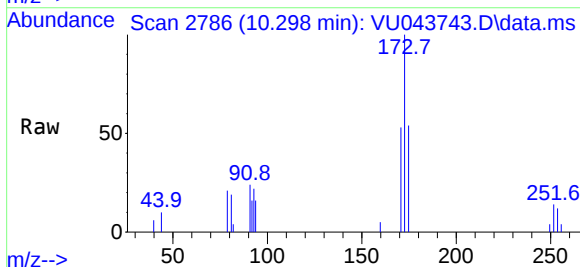
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

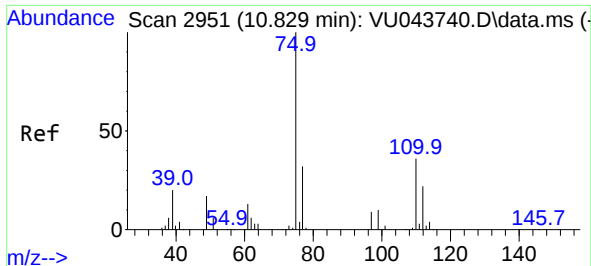
Tgt Ion:	83	Resp:	15472
Ion	Ratio	Lower	Upper
83	100		
85	65.3	44.5	82.7
131	11.3	7.4	11.2#



#59
Bromoform
Concen: 2.22 ug/L
RT: 10.298 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion:	173	Resp:	6346
Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.6	57.8
254	7.1	6.8	10.2

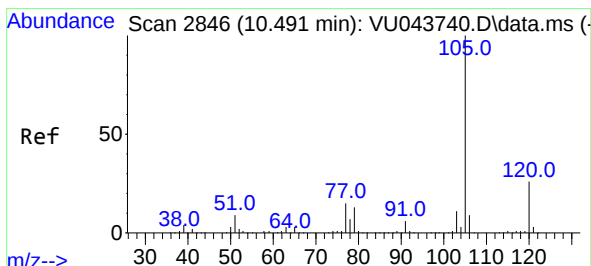
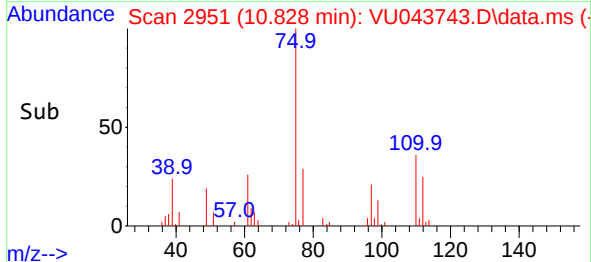
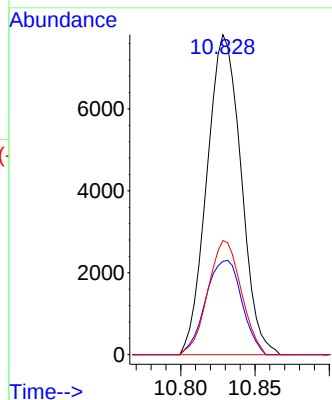
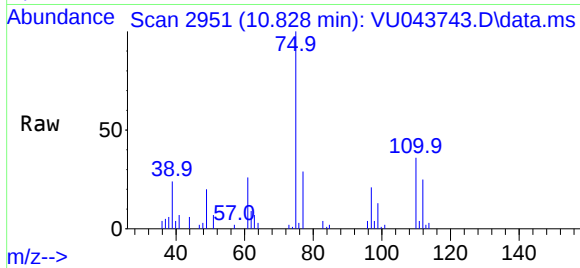




#60
1,2,3-Trichloropropane
Concen: 2.44 ug/L
RT: 10.828 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

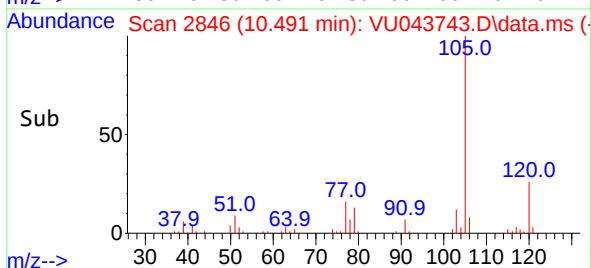
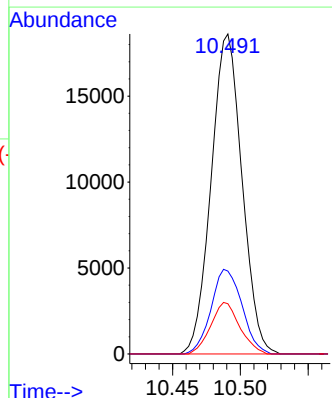
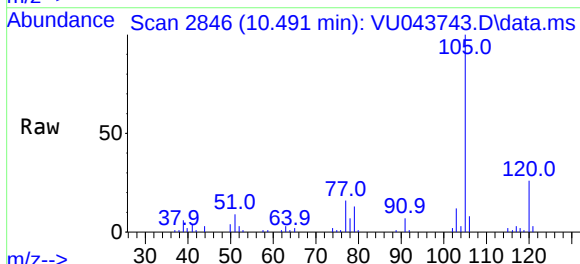
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

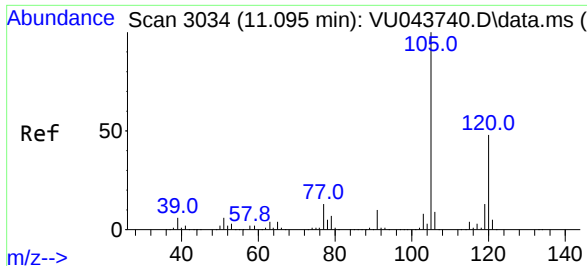
Tgt Ion:	75	Resp:	12473
Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.6
110	34.7	28.9	43.3



#61
Isopropylbenzene
Concen: 2.06 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion:	105	Resp:	29449
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.0	31.4
77	15.2	12.5	18.7

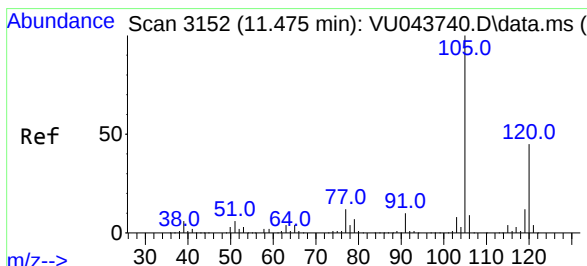
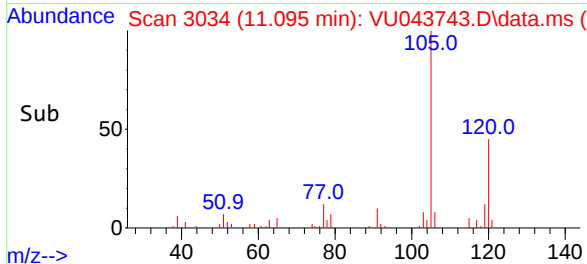
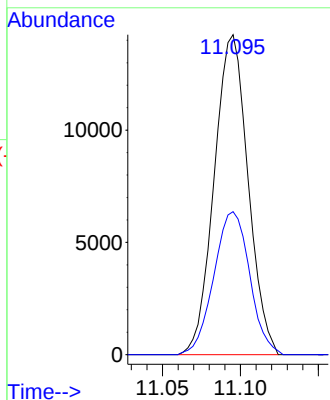
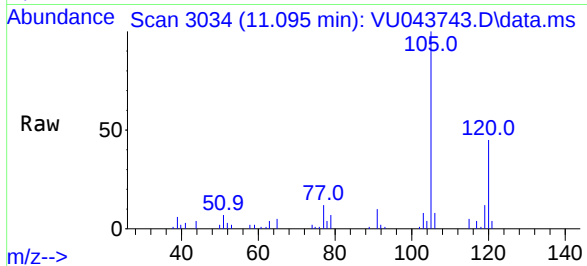




#62
1,3,5-Trimethylbenzene
Concen: 1.81 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

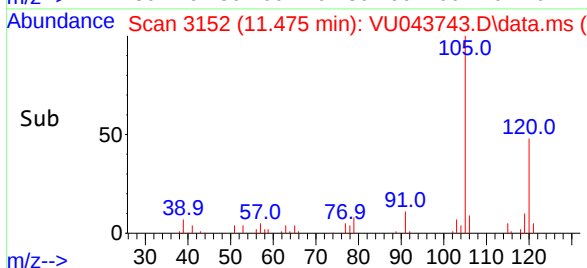
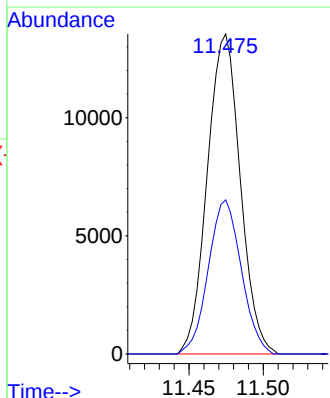
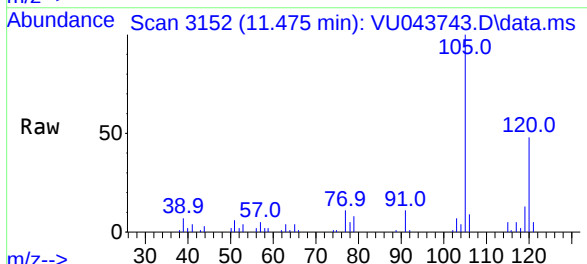
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

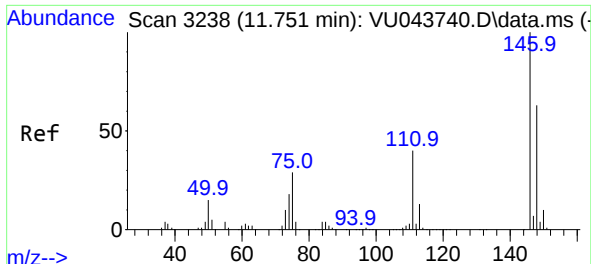
Tgt Ion:105 Resp: 21535
Ion Ratio Lower Upper
105 100
120 47.3 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 1.75 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion:105 Resp: 20900
Ion Ratio Lower Upper
105 100
120 48.2 36.2 54.2

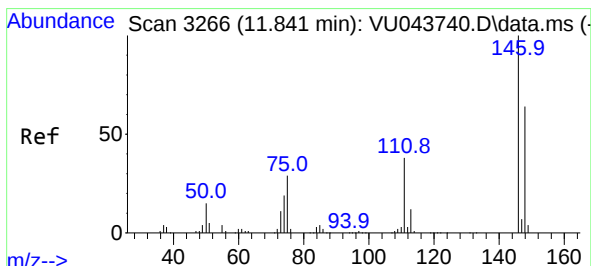
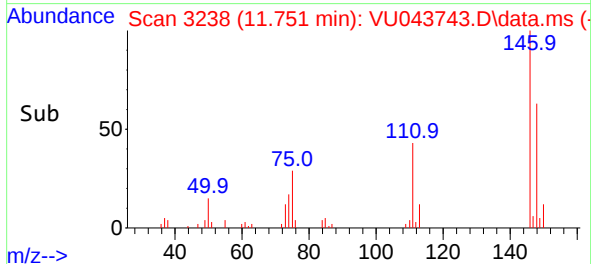
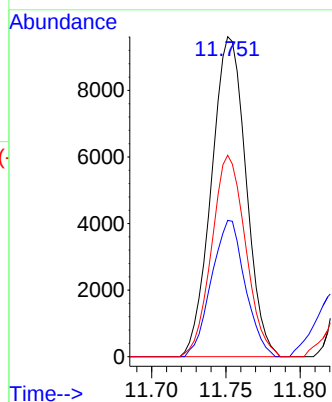
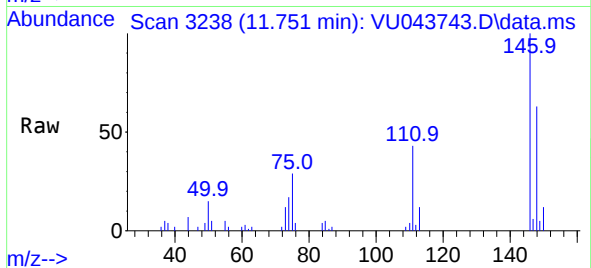




#64
1,3-Dichlorobenzene
Concen: 2.23 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

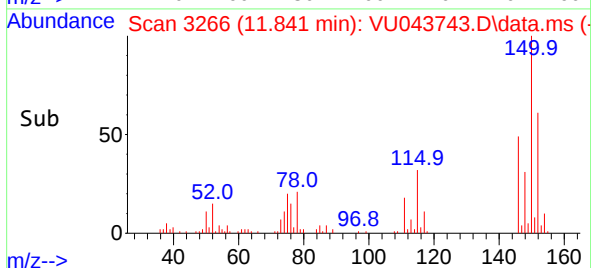
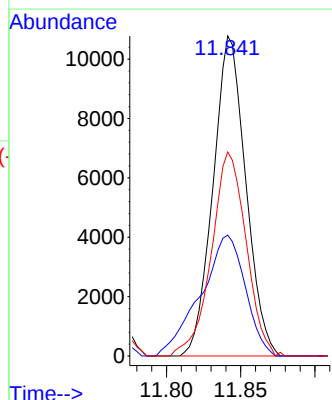
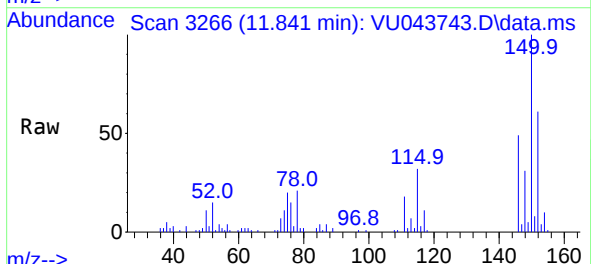
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

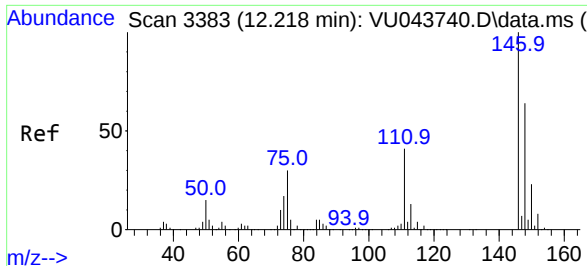
Tgt Ion:146 Resp: 15546
Ion Ratio Lower Upper
146 100
111 43.0 27.8 51.6
148 64.4 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 2.32 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion:146 Resp: 16504
Ion Ratio Lower Upper
146 100
111 37.7 27.1 50.3
148 63.8 45.4 84.4

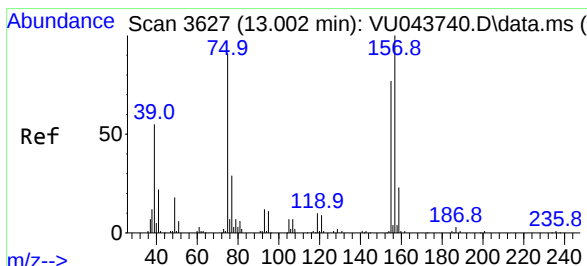
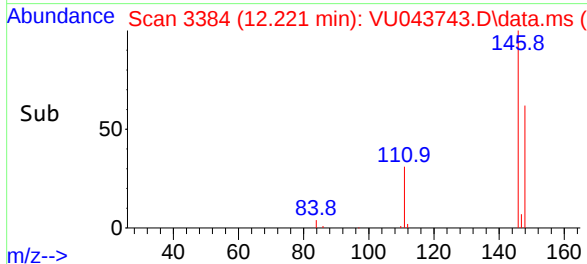
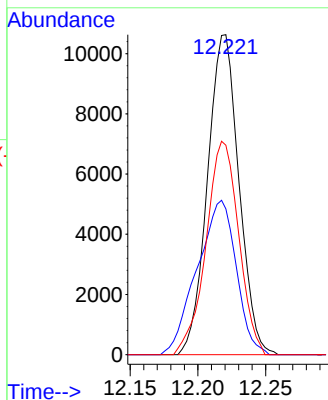
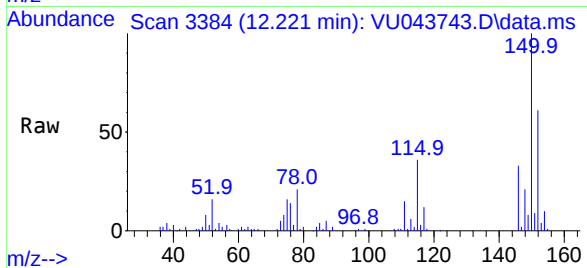




#67
1,2-Dichlorobenzene
Concen: 2.37 ug/L
RT: 12.221 min Scan# 3384
Delta R.T. 0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

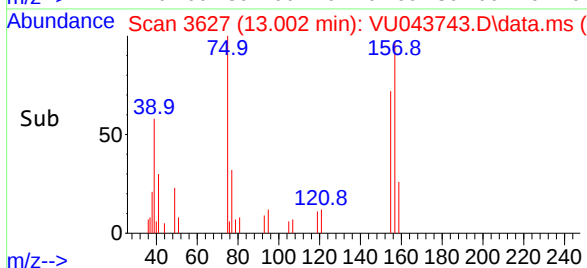
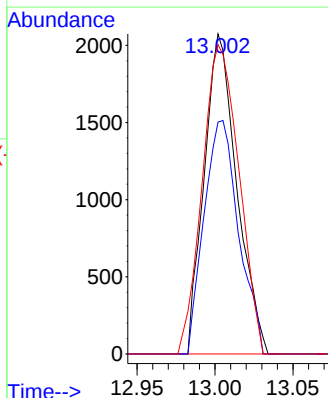
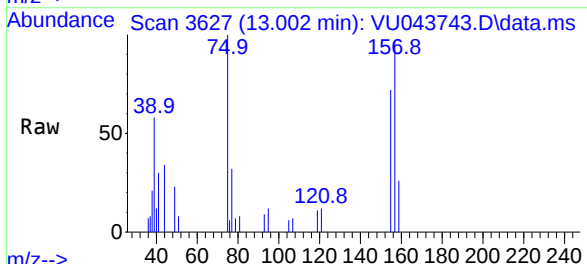
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

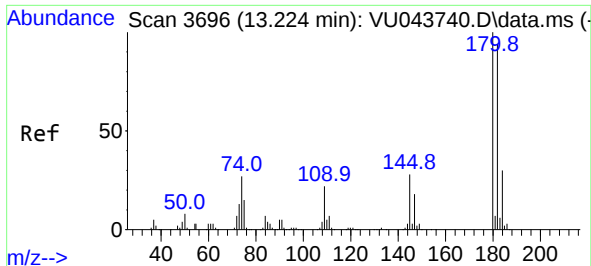
Tgt Ion:146 Resp: 17152
Ion Ratio Lower Upper
146 100
111 42.4 33.5 50.3
148 61.0 51.7 77.5



#68
1,2-Dibromo-3-chloropropane
Concen: 2.15 ug/L
RT: 13.002 min Scan# 3627
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion: 75 Resp: 3015
Ion Ratio Lower Upper
75 100
155 68.3 72.5 108.7#
157 91.1 92.3 138.5#

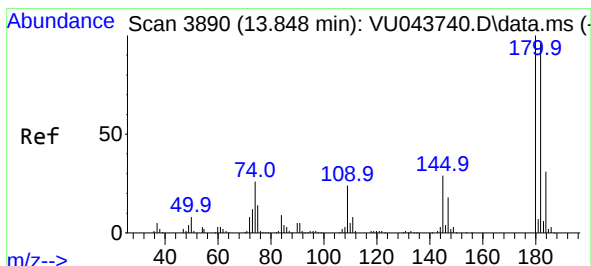
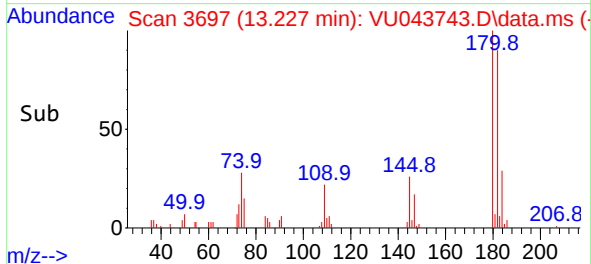
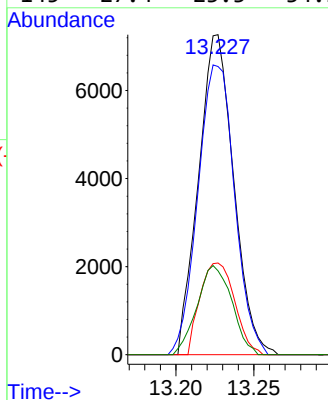
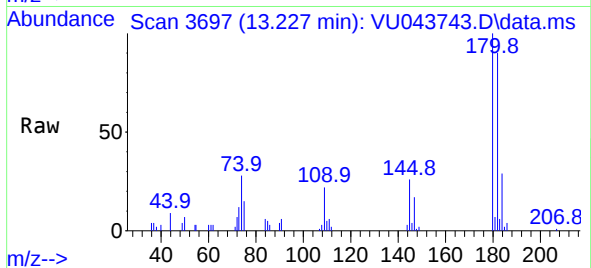




#69
1,3,5-Trichlorobenzene
Concen: 2.21 ug/L
RT: 13.227 min Scan# 3697
Delta R.T. 0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

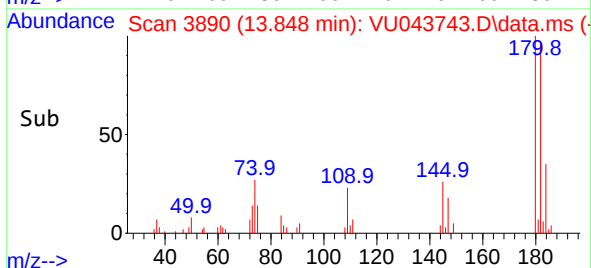
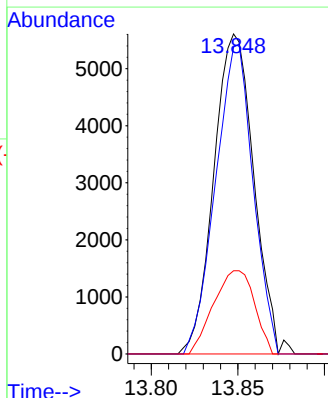
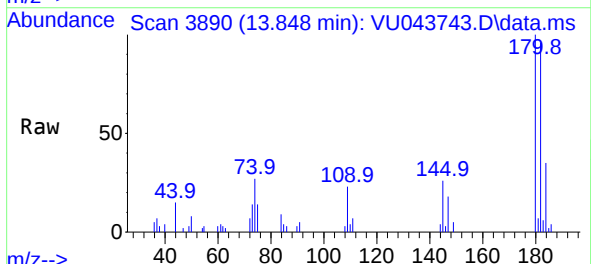
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

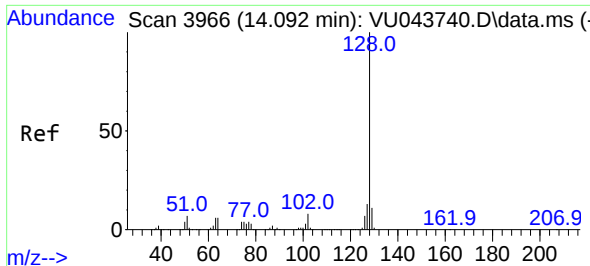
Tgt Ion:	180	Resp:	11406
Ion Ratio	Lower	Upper	
180	100		
182	94.4	76.4	114.6
184	28.2	25.0	37.4
145	27.4	23.3	34.9



#70
1,2,4-trichlorobenzene
Concen: 2.03 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion:	180	Resp:	8944
Ion Ratio	Lower	Upper	
180	100		
182	91.4	75.9	113.9
145	26.8	23.4	35.0



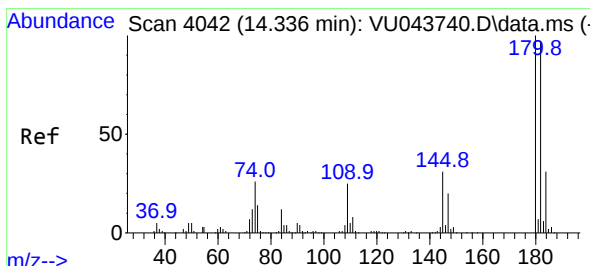
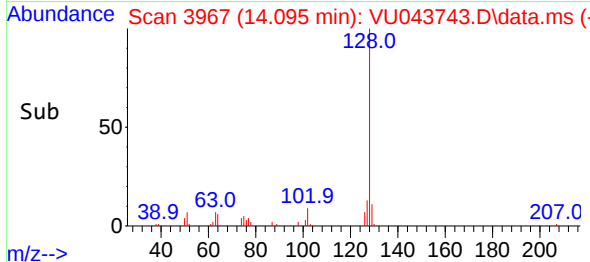
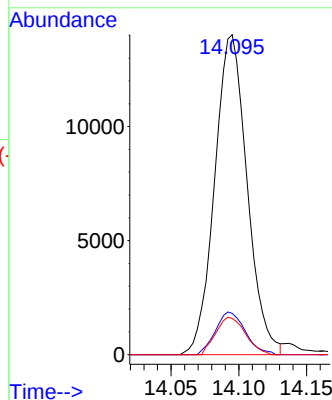
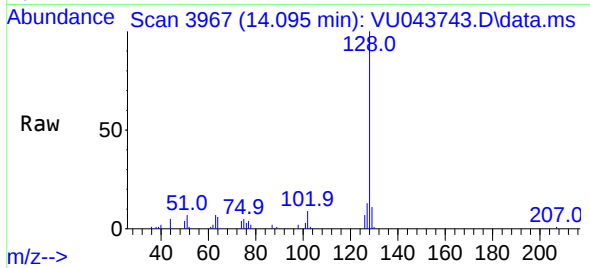


#71
Naphthalene
Concen: 1.59 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-MED-SOIL-QT3-2021-05

Tgt Ion:128 Resp: 23370

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.4	15.6
129	10.7	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 1.97 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VU043743.D
Acq: 14 May 2021 10:09

Tgt Ion:180 Resp: 9139

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.9	115.3
145	34.6	24.9	37.3

