

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051921\
 Data File : VU043823.D
 Acq On : 19 May 2021 13:05
 Operator : SY/MD
 Sample : M2250-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2021-06

Quant Time: May 20 03:29:47 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	6.257	114	431275	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.424	117	418164	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	208075	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	142594	39.93	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	79.86%		
7) Chloroethane-d5	1.906	69	103127	40.16	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	80.32%		
11) 1,1-Dichloroethene-d2	2.569	63	200114	32.92	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.84%		
21) 2-Butanone-d5	4.630	46	256280	91.75	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.75%		
24) Chloroform-d	5.070	84	279802	46.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.36%		
26) 1,2-Dichloroethane-d4	5.710	65	179239	47.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.44%		
32) Benzene-d6	5.736	84	588082	47.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.92%		
36) 1,2-Dichloropropane-d6	6.697	67	194460	48.11	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.22%		
41) Toluene-d8	7.906	98	516453	46.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.62%		
43) trans-1,3-Dichloroprop...	8.186	79	82228	46.53	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.06%		
47) 2-Hexanone-d5	8.639	63	182847	94.46	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.46%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	293078	47.91	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.82%		
66) 1,2-Dichlorobenzene-d4	12.202	152	217874	53.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.12%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	8221	2.26	ug/L	99
3) Chloromethane	1.520	50	10699	2.44	ug/L	97
5) Vinyl chloride	1.607	62	9701	2.27	ug/L #	73
6) Bromomethane	1.842	94	5241	2.52	ug/L	90
8) Chloroethane	1.926	64	4789	1.98	ug/L	93
9) Trichlorofluoromethane	2.138	101	10341	2.14	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	9327	2.95	ug/L #	82
12) 1,1-Dichloroethene	2.581	96	8559	2.75	ug/L #	1
13) Acetone	2.633	43	9561	4.90	ug/L	98
14) Carbon disulfide	2.797	76	21112	2.15	ug/L	99
15) Methyl Acetate	2.954	43	9779	2.21	ug/L	99
16) Methylene chloride	3.051	84	10135	2.17	ug/L	91
17) trans-1,2-Dichloroethene	3.360	96	7496	2.33	ug/L	90
18) Methyl tert-butyl Ether	3.372	73	20448	2.09	ug/L	99
19) 1,1-Dichloroethane	3.874	63	14102	2.24	ug/L	96
20) cis-1,2-Dichloroethene	4.675	96	8313	2.34	ug/L	81
22) 2-Butanone	4.713	43	12858	4.01	ug/L	99
23) Bromochloromethane	4.980	128	4475	2.32	ug/L #	88
25) Chloroform	5.096	83	16000	2.59	ug/L	97

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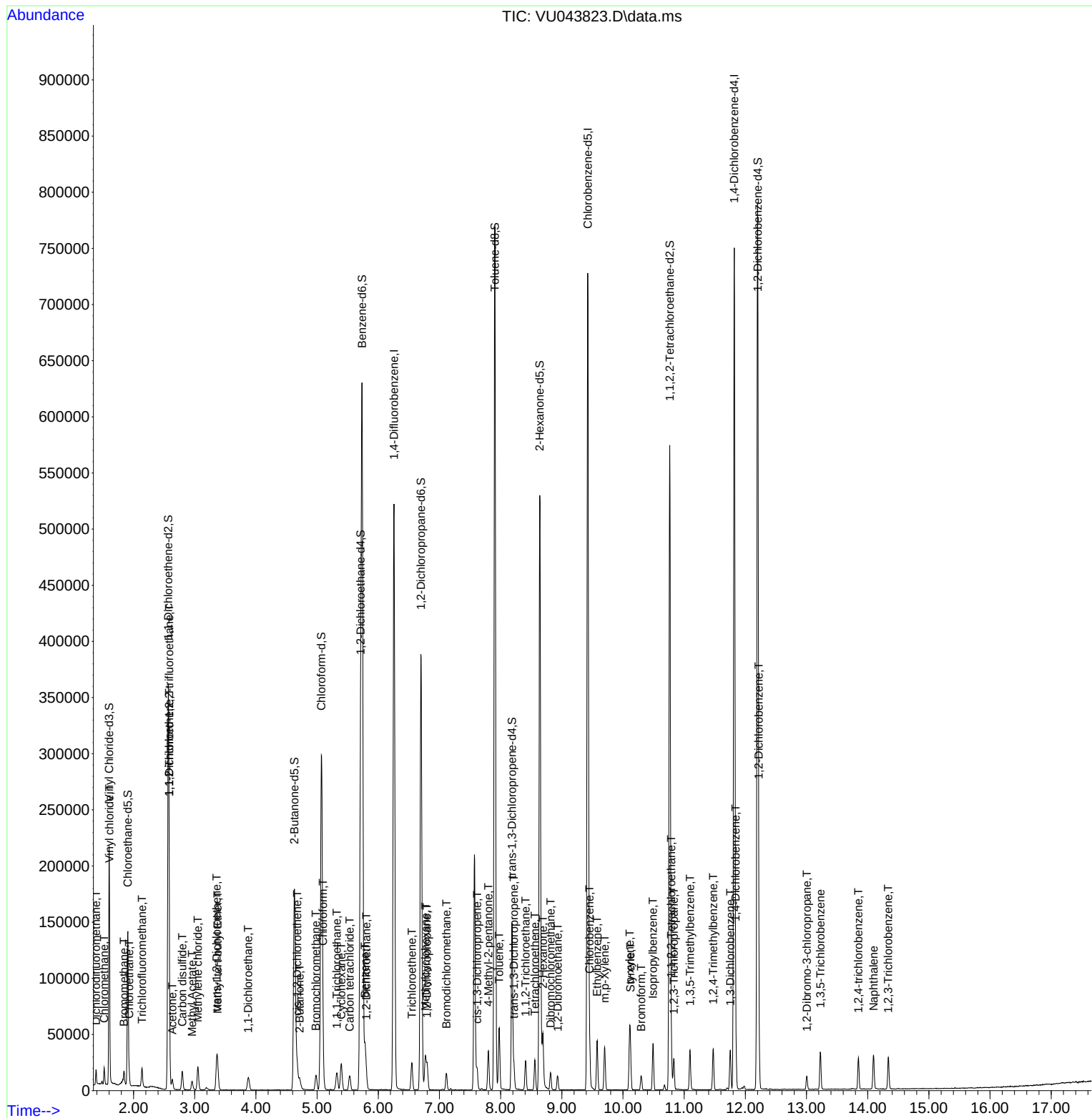
Instrument :
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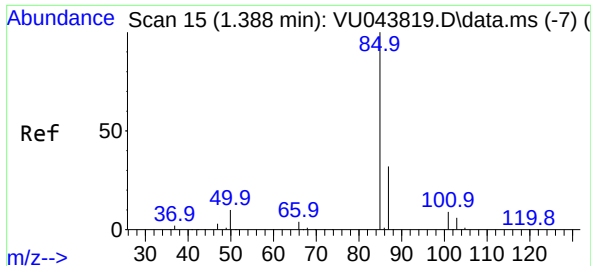
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.803	62	11179	2.35	ug/L	98
29) Cyclohexane	5.395	56	10230	1.84	ug/L	89
30) 1,1,1-Trichloroethane	5.321	97	11437	2.27	ug/L	97
31) Carbon tetrachloride	5.533	117	9270	2.24	ug/L	99
33) Benzene	5.781	78	31465	2.23	ug/L	100
34) Trichloroethene	6.549	95	7954	2.31	ug/L	96
35) Methylcyclohexane	6.771	83	11058	2.03	ug/L	97
37) 1,2-Dichloropropane	6.797	63	8886	2.30	ug/L	98
38) Bromodichloromethane	7.112	83	9838	2.15	ug/L	91
39) cis-1,3-Dichloropropene	7.617	75	11542	2.19	ug/L	98
40) 4-Methyl-2-pentanone	7.800	43	21874	3.76	ug/L	99
42) Toluene	7.977	91	39506	2.67	ug/L	99
44) trans-1,3-Dichloropropene	8.218	75	11586	2.34	ug/L	93
45) 1,1,2-Trichloroethane	8.408	97	8645	2.43	ug/L	97
46) Tetrachloroethene	8.559	164	6322	2.34	ug/L	97
48) 2-Hexanone	8.691	43	24821	5.32	ug/L	97
49) Dibromochloromethane	8.816	129	8193	2.25	ug/L	94
50) 1,2-Dibromoethane	8.932	107	8651	2.34	ug/L	97
51) Chlorobenzene	9.453	112	20354	2.22	ug/L	98
52) Ethylbenzene	9.578	91	31376	2.06	ug/L	95
53) m,p-Xylene	9.700	106	11039	1.91	ug/L	93
54) o-xylene	10.108	106	10843	1.90	ug/L	84
55) Styrene	10.121	104	17012	1.77	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.790	83	14902	2.30	ug/L #	97
59) Bromoform	10.298	173	6089	2.24	ug/L #	93
60) 1,2,3-Trichloropropane	10.832	75	11890	2.45	ug/L	98
61) Isopropylbenzene	10.491	105	25538	1.88	ug/L	99
62) 1,3,5-Trimethylbenzene	11.096	105	19252	1.71	ug/L	97
63) 1,2,4-Trimethylbenzene	11.475	105	19128	1.69	ug/L	97
64) 1,3-Dichlorobenzene	11.755	146	14763	2.23	ug/L	93
65) 1,4-Dichlorobenzene	11.842	146	15917	2.36	ug/L	99
67) 1,2-Dichlorobenzene	12.218	146	17755	2.58	ug/L	95
68) 1,2-Dibromo-3-chloropr...	13.005	75	3040	2.29	ug/L	81
69) 1,3,5-Trichlorobenzene	13.227	180	11587	2.37	ug/L	98
70) 1,2,4-trichlorobenzene	13.848	180	10122	2.42	ug/L	91
71) Naphthalene	14.095	128	25928	1.86	ug/L	99
72) 1,2,3-Trichlorobenzene	14.337	180	9906	2.25	ug/L	96

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

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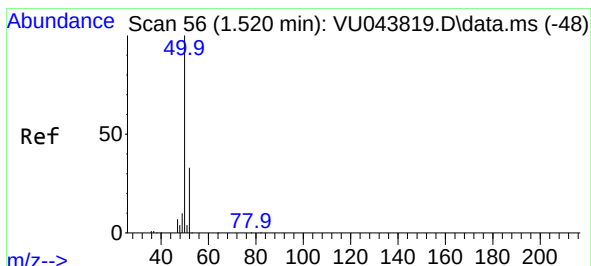
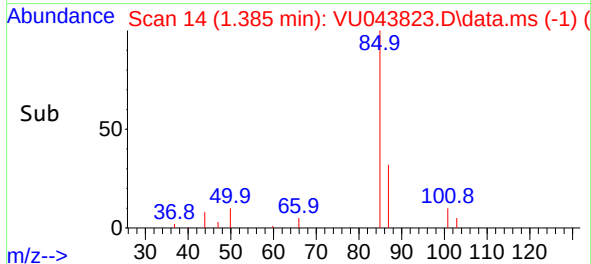
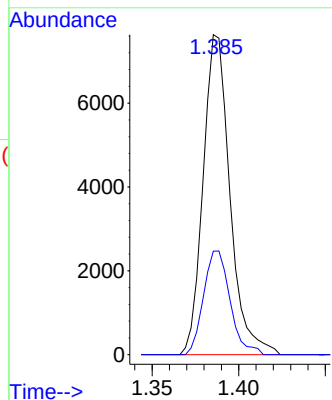
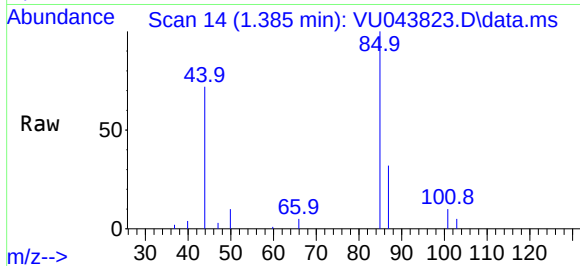




#2
Dichlorodifluoromethane
Concen: 2.26 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

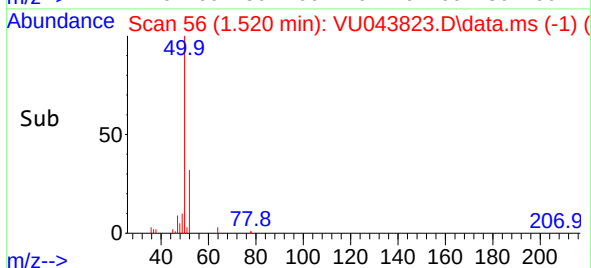
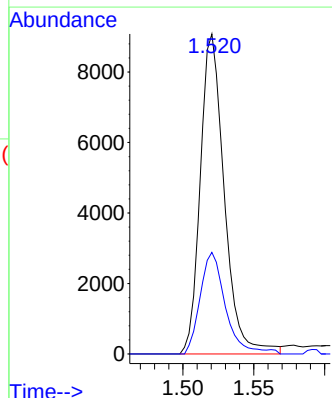
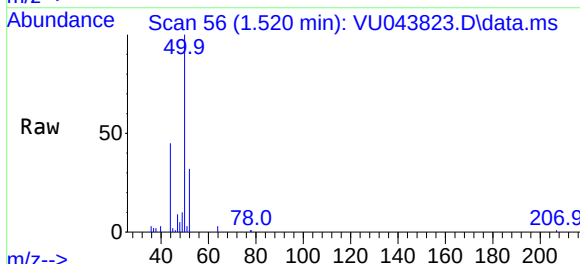
Instrument :
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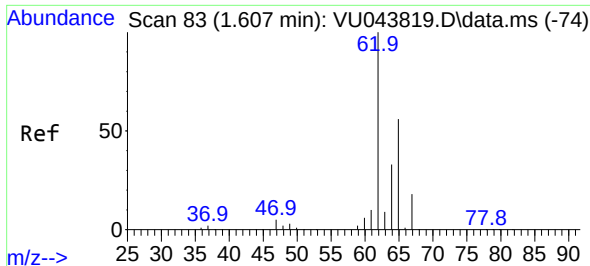
Tgt Ion: 85 Resp: 8221
Ion Ratio Lower Upper
85 100
87 32.0 25.9 38.9



#3
Chloromethane
Concen: 2.44 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion: 50 Resp: 10699
Ion Ratio Lower Upper
50 100
52 31.7 23.2 43.2

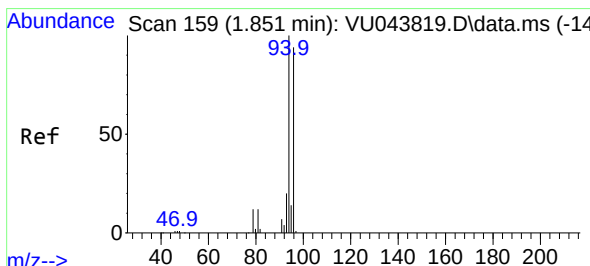
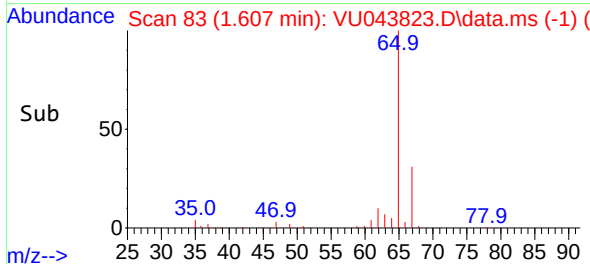
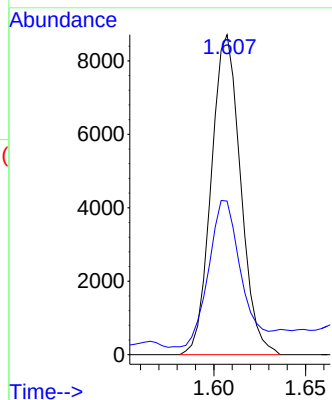
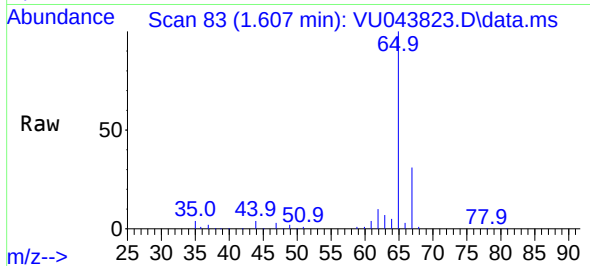




#5
 Vinyl chloride
 Concen: 2.27 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU043823.D
 Acq: 19 May 2021 13:05

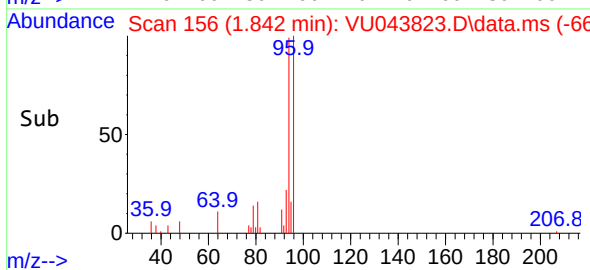
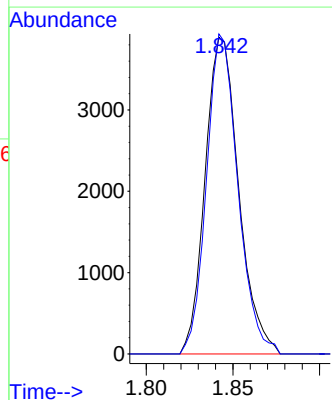
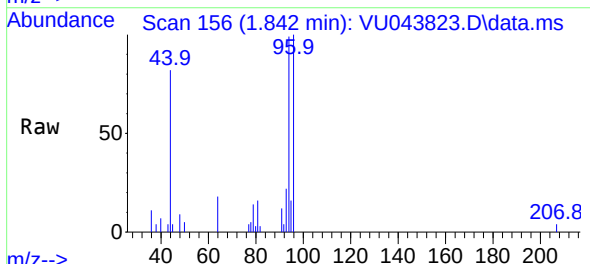
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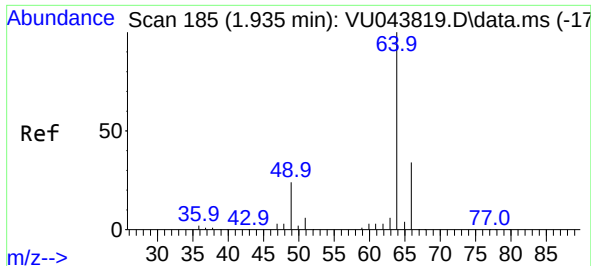
Tgt Ion: 62 Resp: 9701
 Ion Ratio Lower Upper
 62 100
 64 48.0 22.9 42.5#



#6
 Bromomethane
 Concen: 2.52 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. -0.009 min
 Lab File: VU043823.D
 Acq: 19 May 2021 13:05

Tgt Ion: 94 Resp: 5241
 Ion Ratio Lower Upper
 94 100
 96 101.1 64.2 119.2

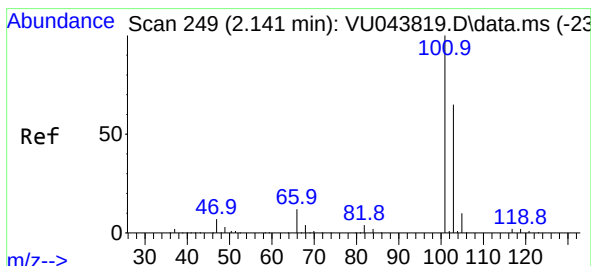
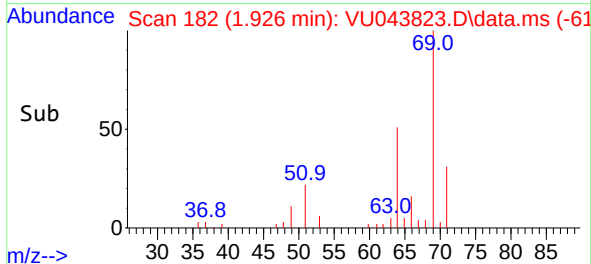
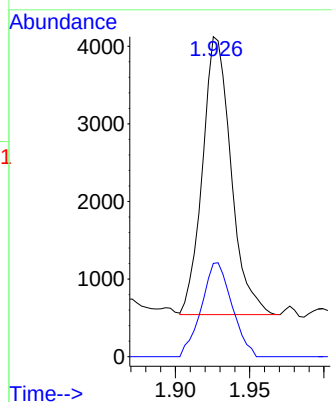
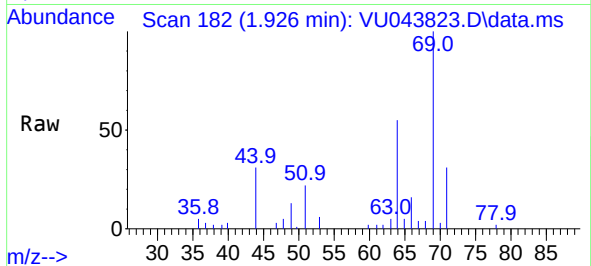




#8
Chloroethane
Concen: 1.98 ug/L
RT: 1.926 min Scan# 182
Delta R.T. -0.009 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

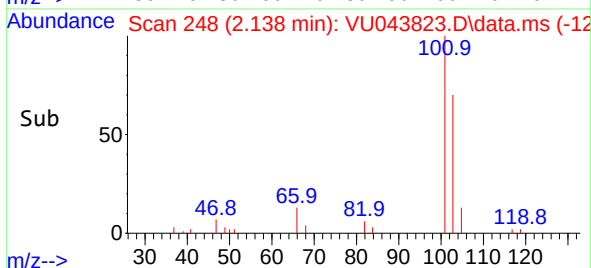
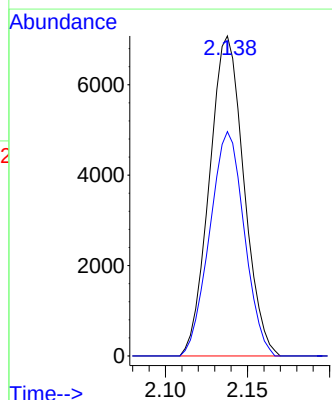
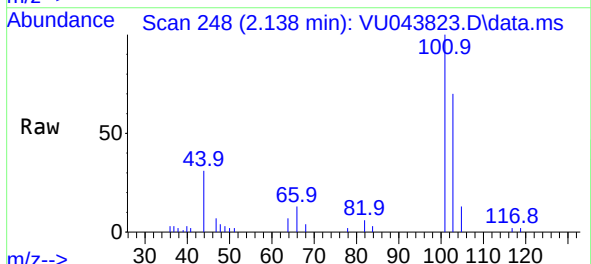
Instrument :
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ClientSampleId :
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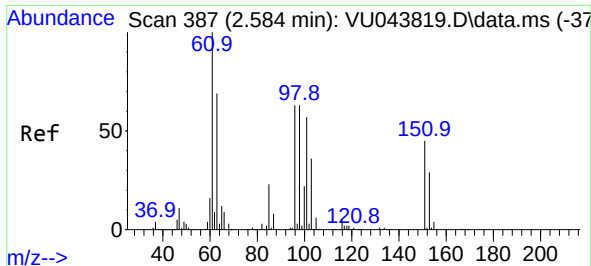
Tgt Ion: 64 Resp: 4789
Ion Ratio Lower Upper
64 100
66 29.1 23.2 43.2



#9
Trichlorofluoromethane
Concen: 2.14 ug/L
RT: 2.138 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion:101 Resp: 10341
Ion Ratio Lower Upper
101 100
103 70.3 52.3 78.5

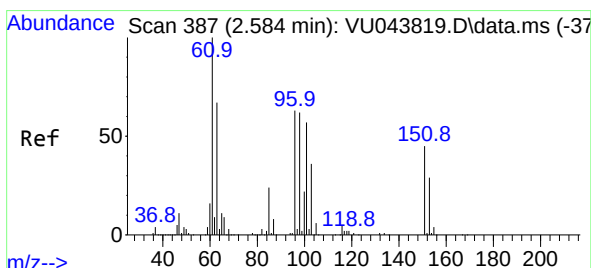
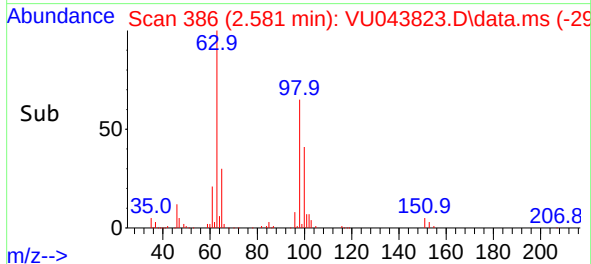
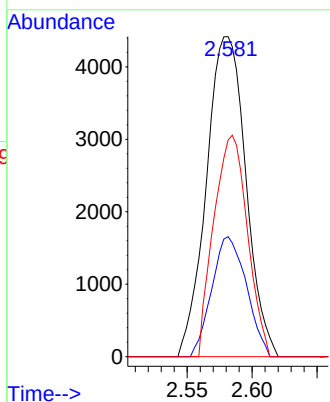
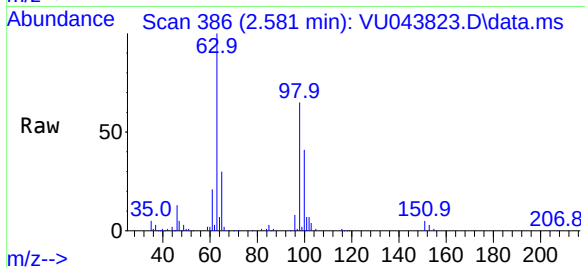




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.95 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

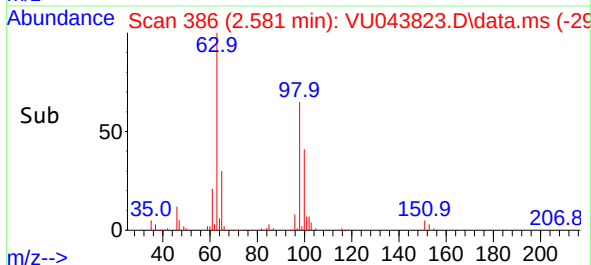
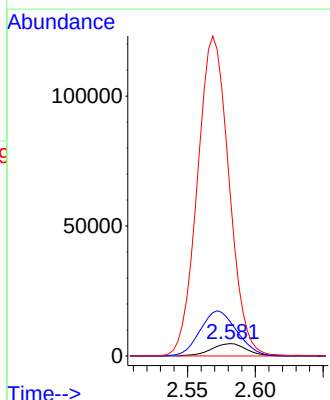
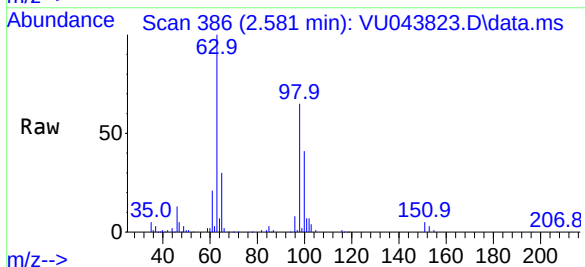
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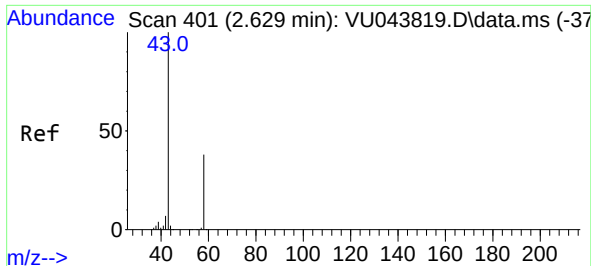
Tgt Ion:101 Resp: 9327
Ion Ratio Lower Upper
101 100
85 32.9 34.2 51.4#
151 58.9 60.4 90.6#



#12
1,1-Dichloroethene
Concen: 2.75 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion: 96 Resp: 8559
Ion Ratio Lower Upper
96 100
61 277.7 116.3 215.9#
63 1317.1 80.8 150.2#

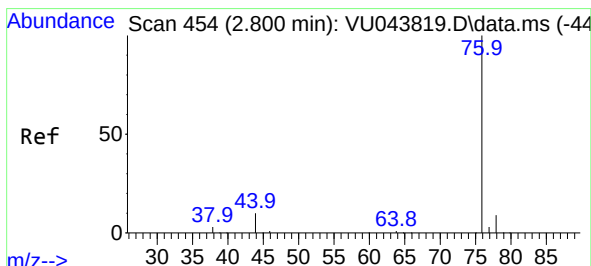
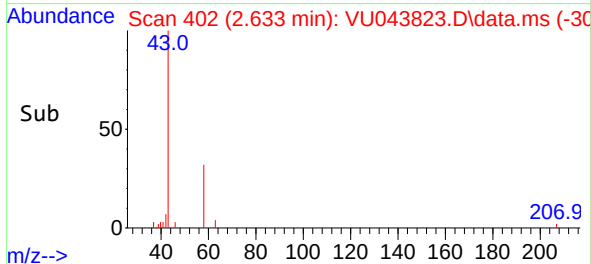
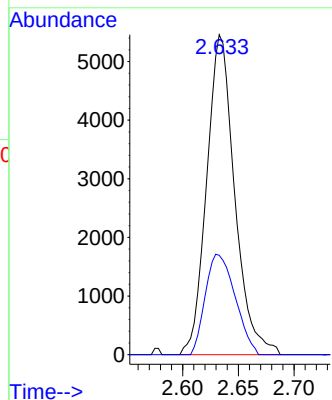
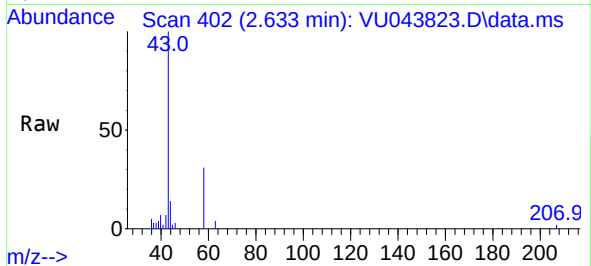




#13
Acetone
Concen: 4.90 ug/L
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

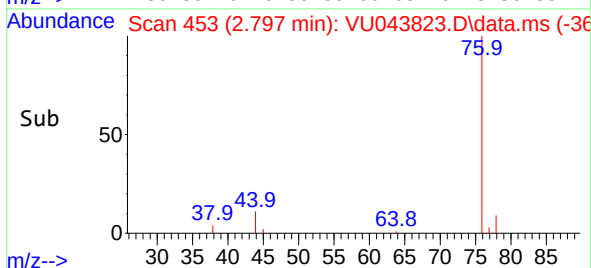
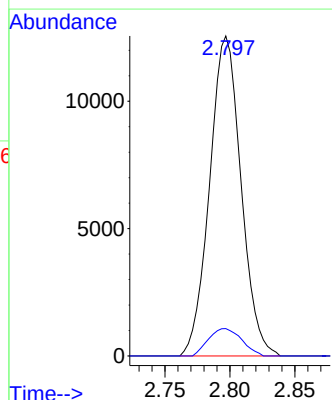
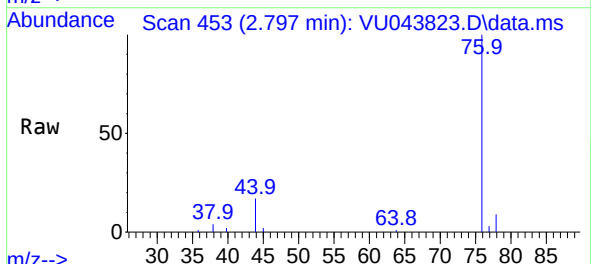
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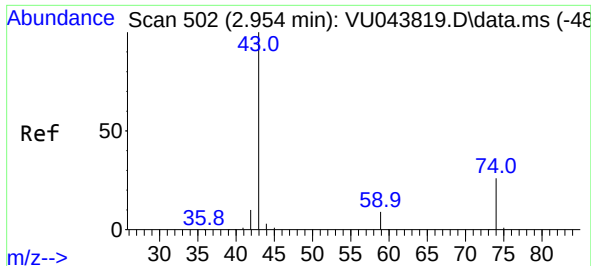
Tgt Ion: 43 Resp: 9561
Ion Ratio Lower Upper
43 100
58 33.3 0.0 69.4



#14
Carbon disulfide
Concen: 2.15 ug/L
RT: 2.797 min Scan# 453
Delta R.T. -0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion: 76 Resp: 21112
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7

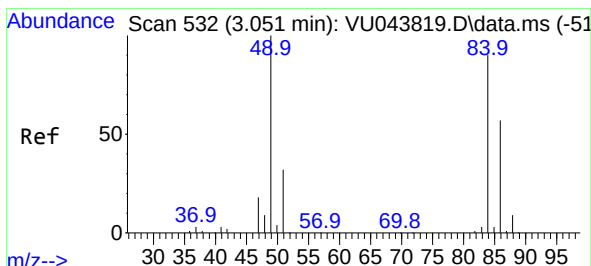
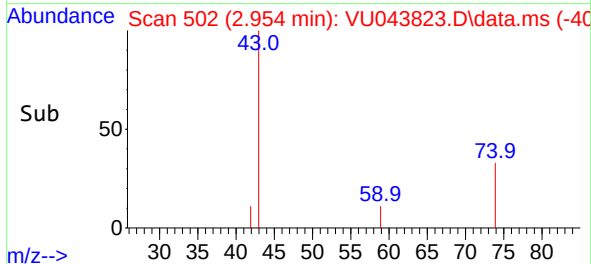
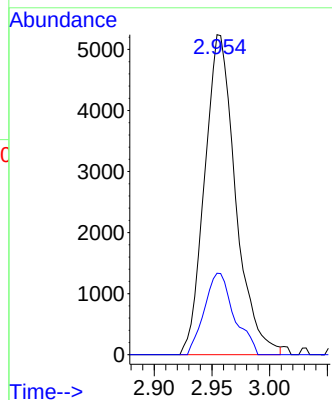
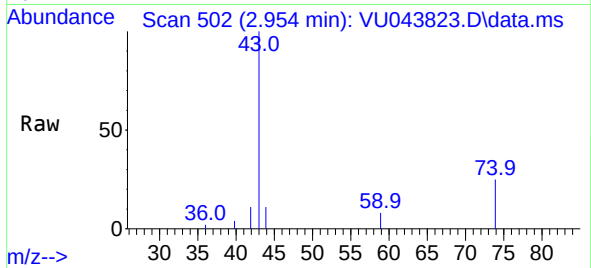




#15
Methyl Acetate
Concen: 2.21 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

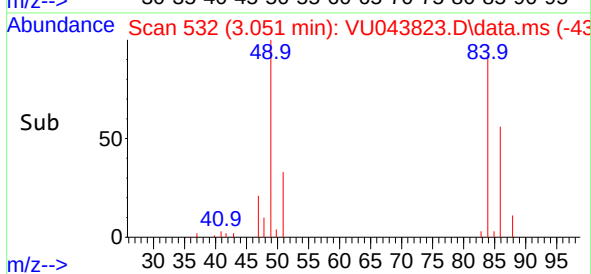
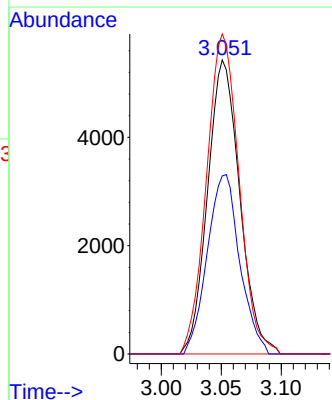
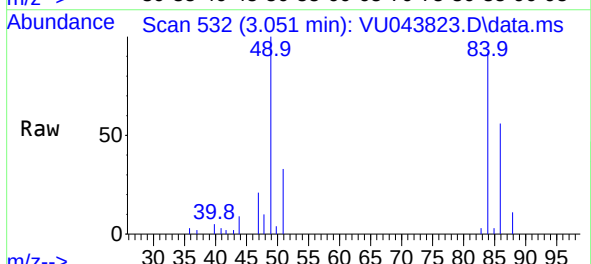
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

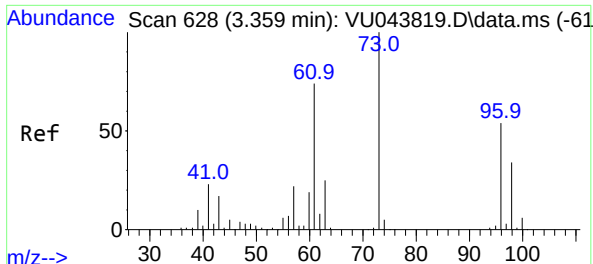
Tgt Ion: 43 Resp: 9779
Ion Ratio Lower Upper
43 100
74 24.4 19.3 28.9



#16
Methylene chloride
Concen: 2.17 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion: 84 Resp: 10135
Ion Ratio Lower Upper
84 100
86 60.6 44.9 83.5
49 108.8 84.9 157.7



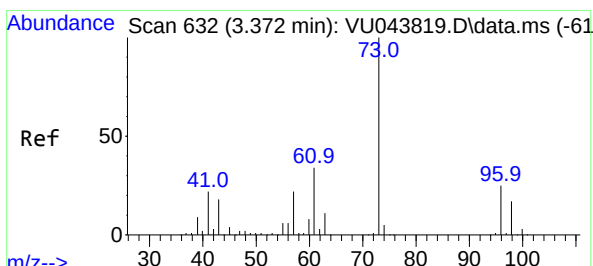
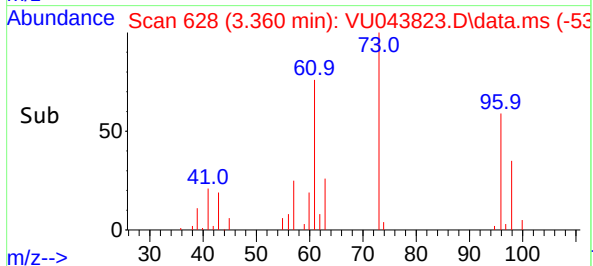
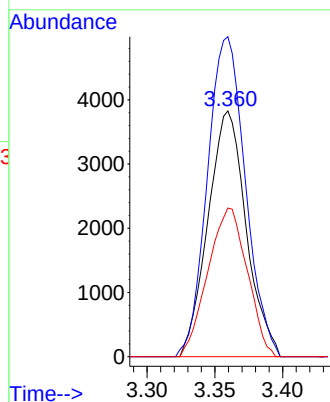
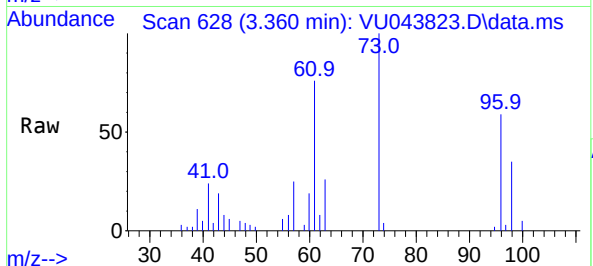


#17
trans-1,2-Dichloroethene
Concen: 2.33 ug/L
RT: 3.360 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

Tgt Ion: 96 Resp: 7496

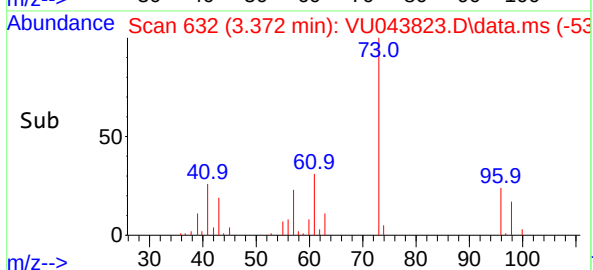
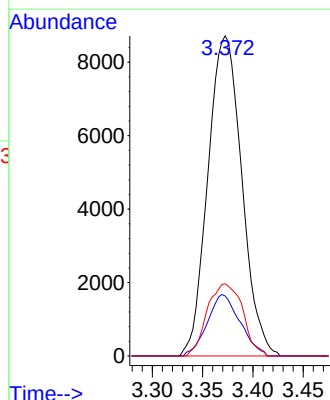
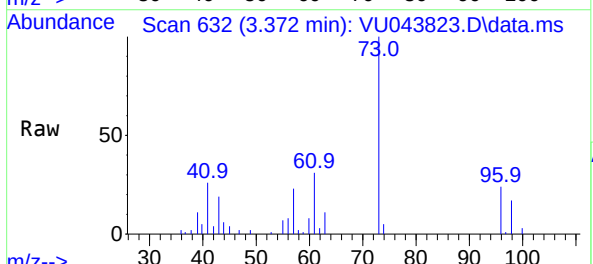
Ion	Ratio	Lower	Upper
96	100		
61	130.2	101.5	188.5
98	60.5	44.9	83.5

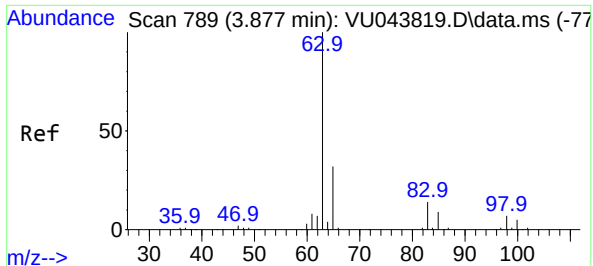


#18
Methyl tert-butyl Ether
Concen: 2.09 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion: 73 Resp: 20448

Ion	Ratio	Lower	Upper
73	100		
43	18.5	14.6	22.0
57	23.6	18.2	27.4



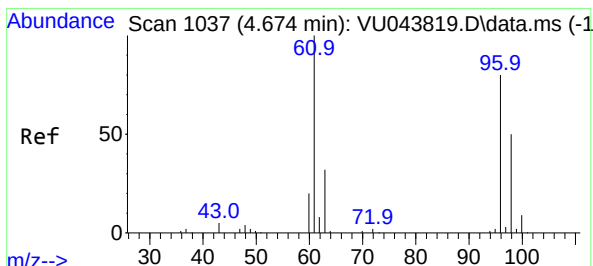
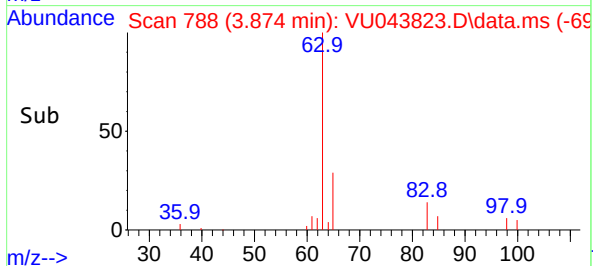
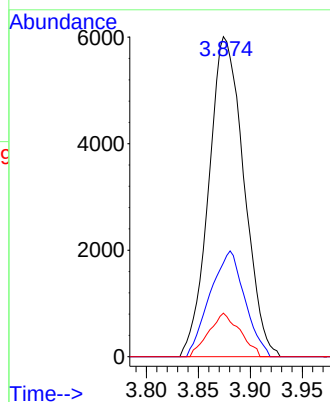
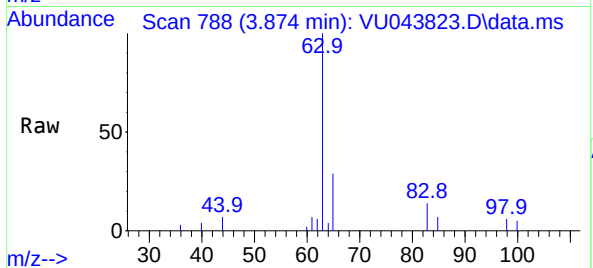


#19

1,1-Dichloroethane
Concen: 2.24 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

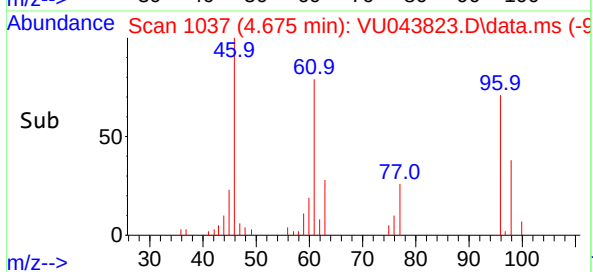
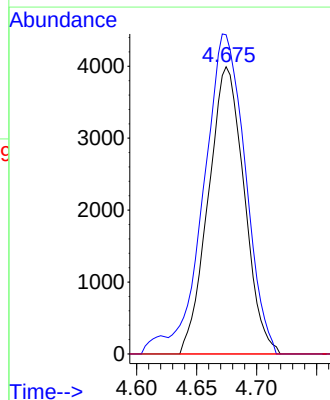
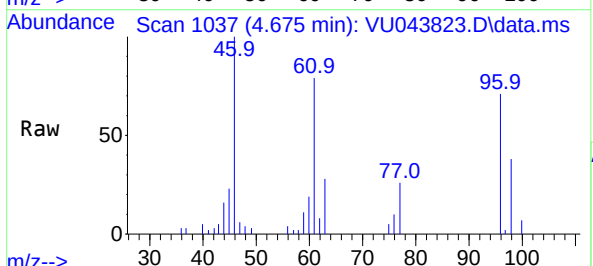
Tgt Ion: 63	Resp: 14102
Ion Ratio	Lower Upper
63 100	
65 29.3	22.0 41.0
83 13.6	8.7 16.1

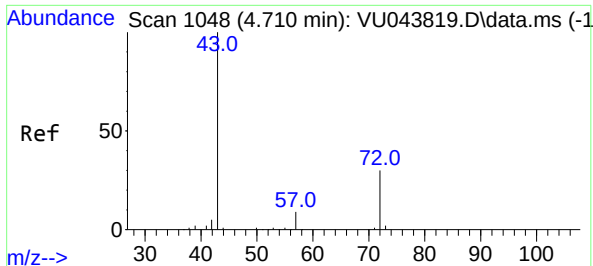


#20

cis-1,2-Dichloroethene
Concen: 2.34 ug/L
RT: 4.675 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion: 96	Resp: 8313		
Ion Ratio	Lower	Upper	
96	100		
61	111.1	93.1	172.9
68	0.0	0.0	0.0

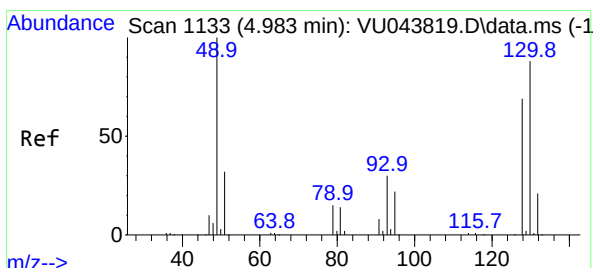
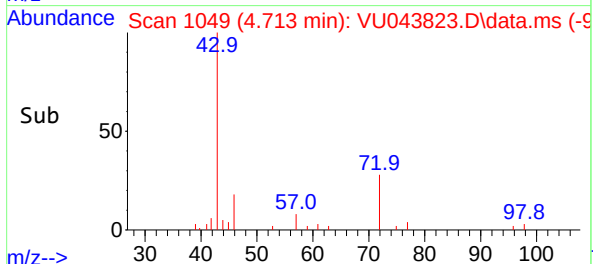
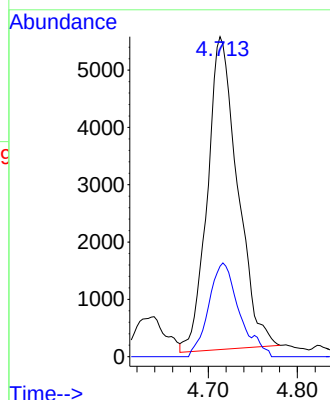
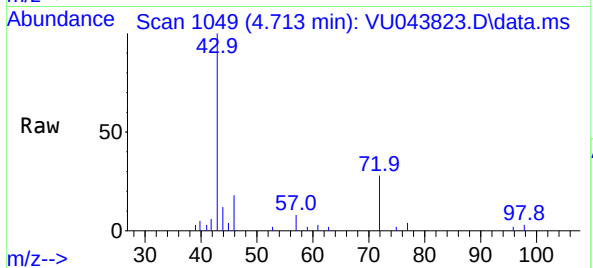




#22
2-Butanone
Concen: 4.01 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

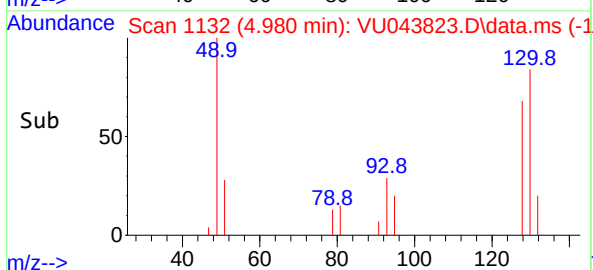
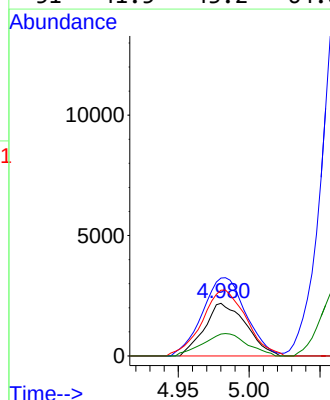
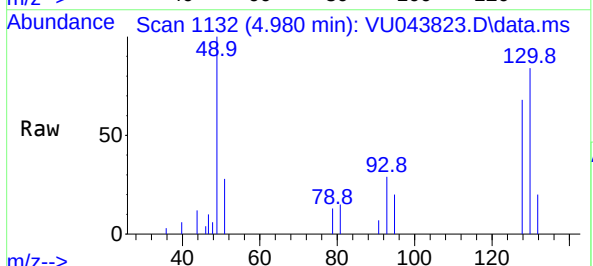
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

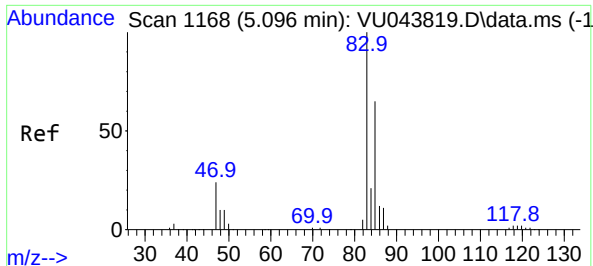
Tgt Ion: 43 Resp: 12858
Ion Ratio Lower Upper
43 100
72 28.3 13.9 41.6



#23
Bromochloromethane
Concen: 2.32 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. -0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion:128 Resp: 4475
Ion Ratio Lower Upper
128 100
49 148.1 116.8 216.8
130 124.9 93.3 173.3
51 41.5 43.2 64.8#

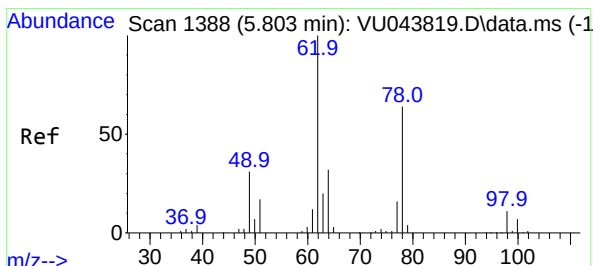
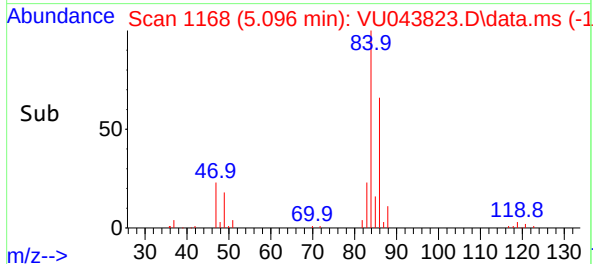
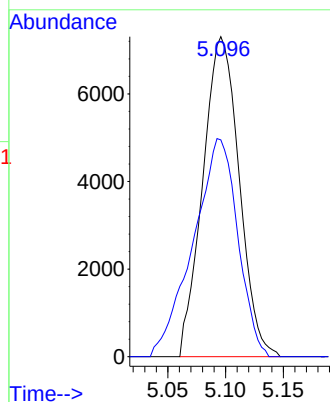
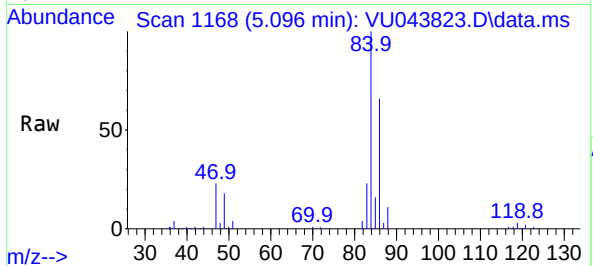




#25
Chloroform
Concen: 2.59 ug/L
RT: 5.096 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

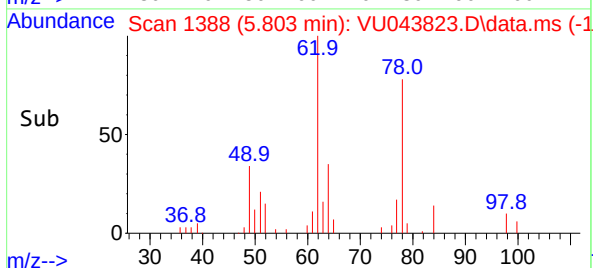
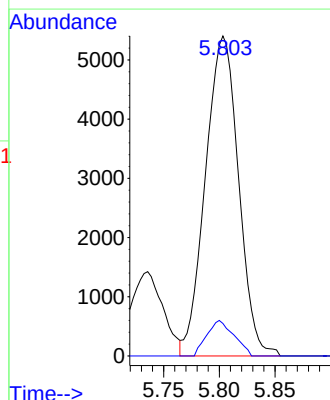
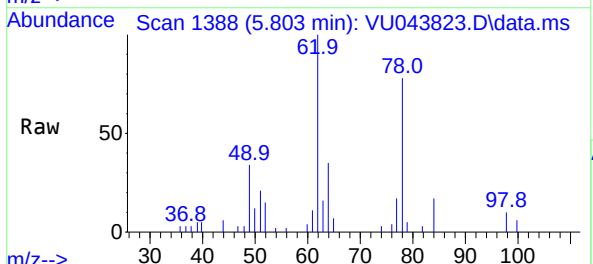
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

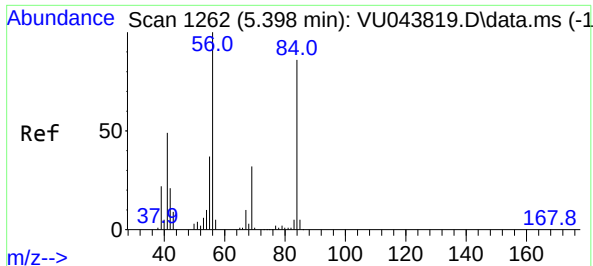
Tgt Ion: 83 Resp: 16000
Ion Ratio Lower Upper
83 100
85 67.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 2.35 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion: 62 Resp: 11179
Ion Ratio Lower Upper
62 100
98 10.1 7.6 11.4





#29

Cyclohexane

Concen: 1.84 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. -0.003 min

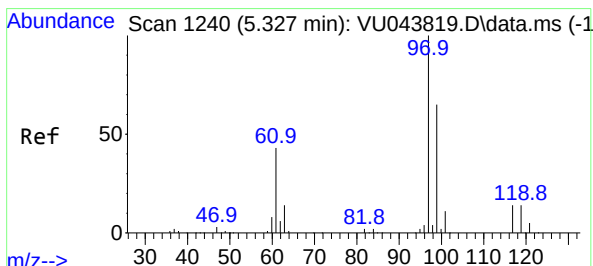
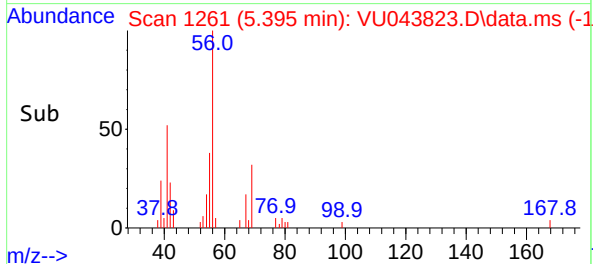
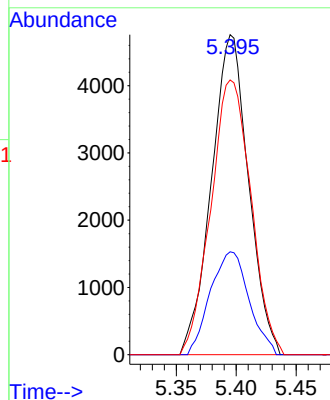
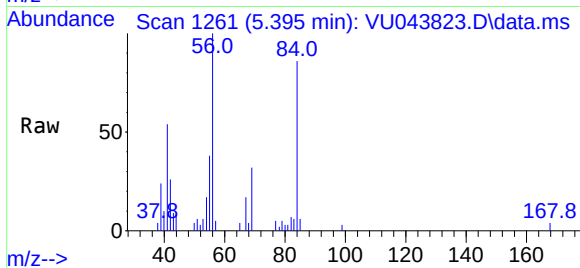
Lab File: VU043823.D

Acq: 19 May 2021 13:05

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

Tgt Ion: 56 Resp: 10230

Ion	Ratio	Lower	Upper
56	100		
69	33.5	24.6	37.0
84	92.6	65.0	97.4



#30

1,1,1-Trichloroethane

Concen: 2.27 ug/L

RT: 5.321 min Scan# 1238

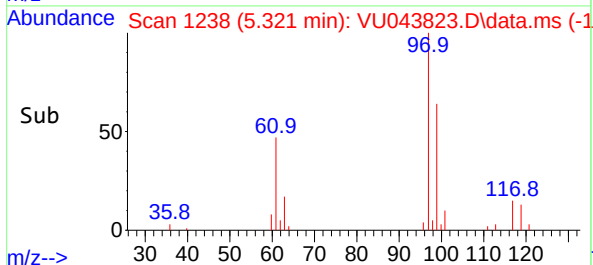
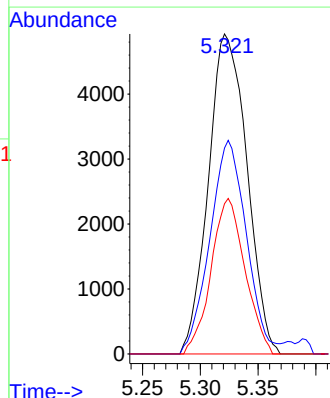
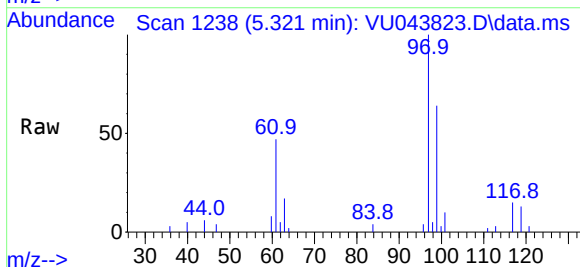
Delta R.T. -0.006 min

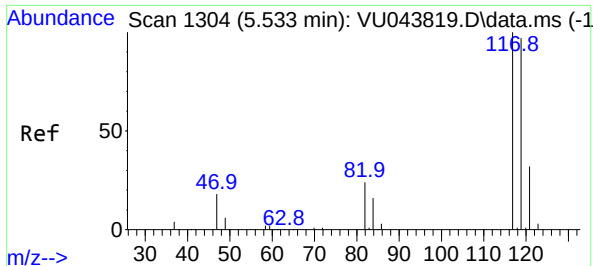
Lab File: VU043823.D

Acq: 19 May 2021 13:05

Tgt Ion: 97 Resp: 11437

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.7	77.5
61	42.9	36.9	55.3

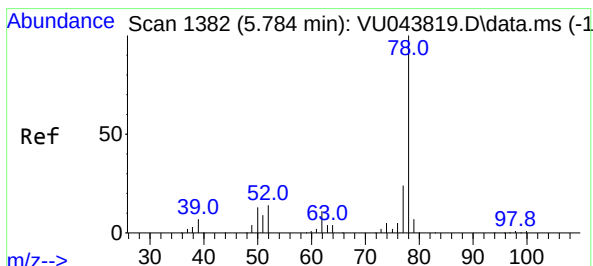
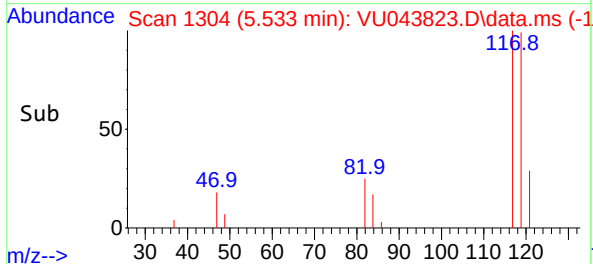
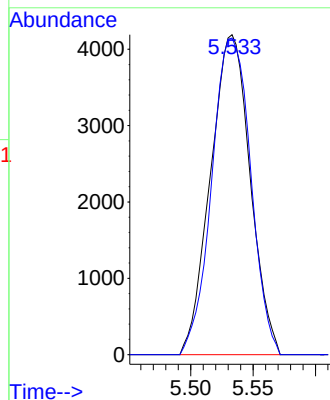
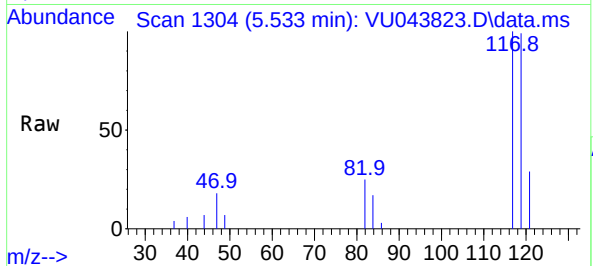




#31
Carbon tetrachloride
Concen: 2.24 ug/L
RT: 5.533 min Scan# 1304
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

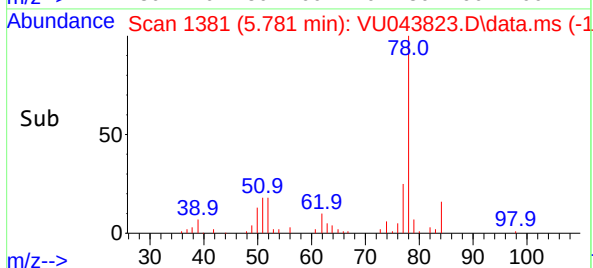
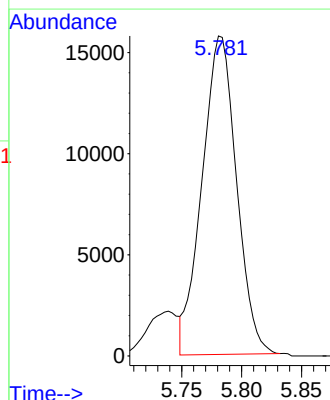
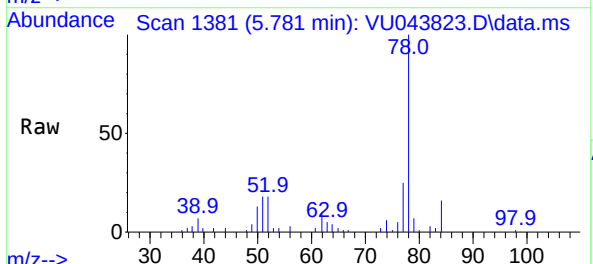
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

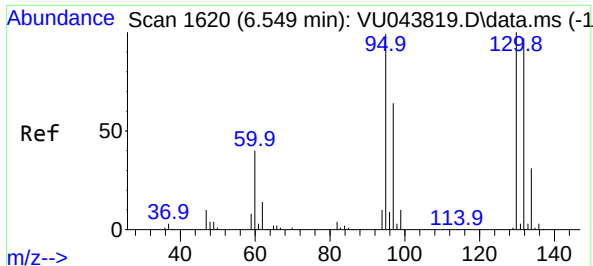
Tgt Ion:117 Resp: 9270
Ion Ratio Lower Upper
117 100
119 97.0 77.0 115.6



#33
Benzene
Concen: 2.23 ug/L
RT: 5.781 min Scan# 1381
Delta R.T. -0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion: 78 Resp: 31465



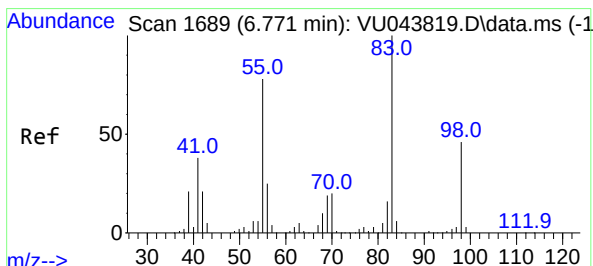
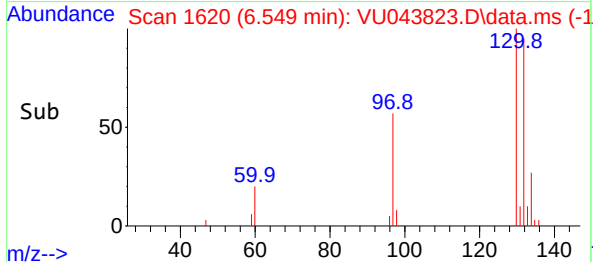
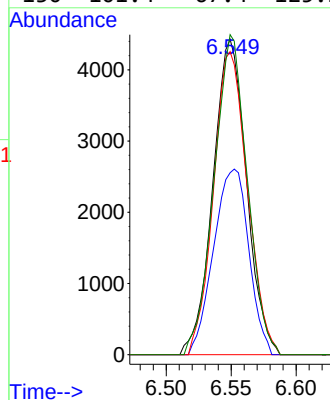
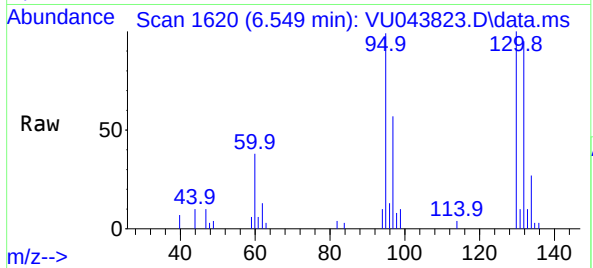


#34
Trichloroethene
Concen: 2.31 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

Tgt Ion: 95 Resp: 7954

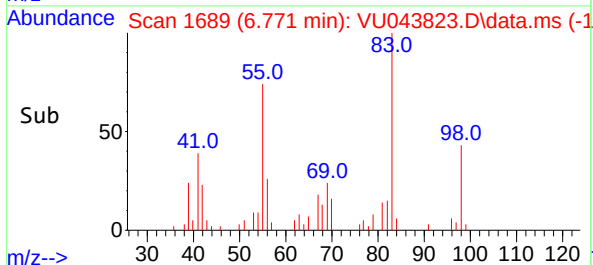
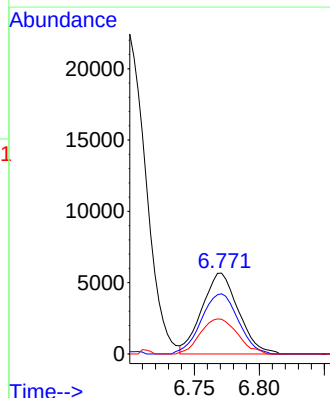
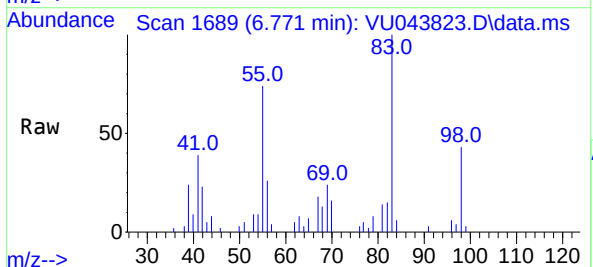
Ion	Ratio	Lower	Upper
95	100		
97	57.7	44.2	82.2
132	96.1	66.8	124.2
130	101.4	67.4	125.2

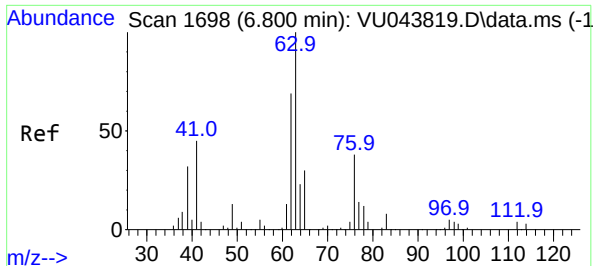


#35
Methylcyclohexane
Concen: 2.03 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion: 83 Resp: 11058

Ion	Ratio	Lower	Upper
83	100		
55	75.6	63.8	95.6
98	44.2	36.2	54.2

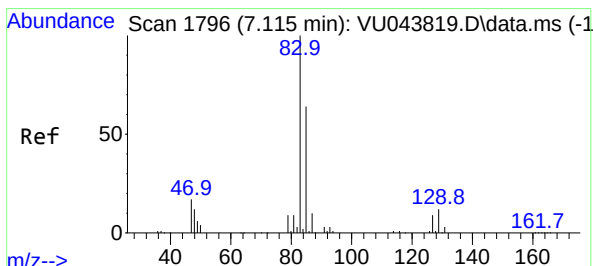
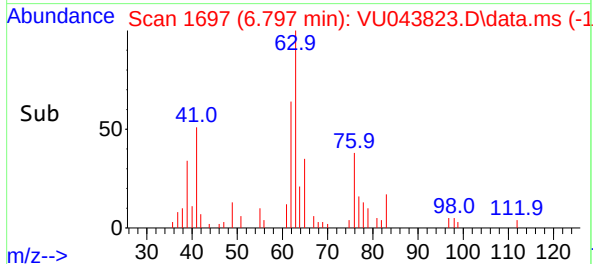
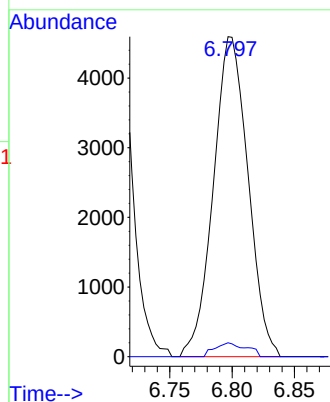
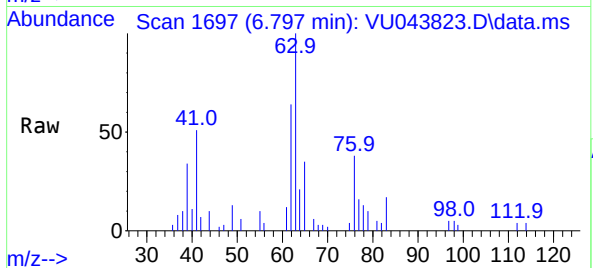




#37
1,2-Dichloropropane
Concen: 2.30 ug/L
RT: 6.797 min Scan# 1697
Delta R.T. -0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

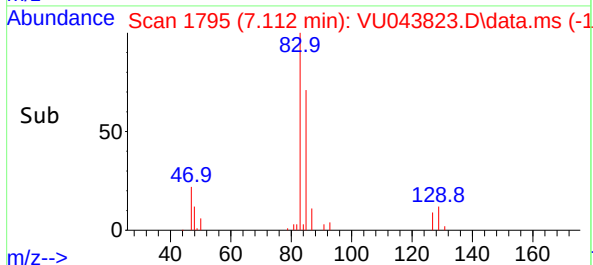
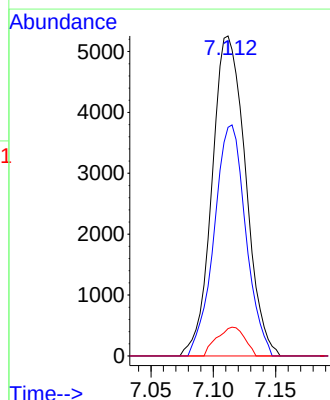
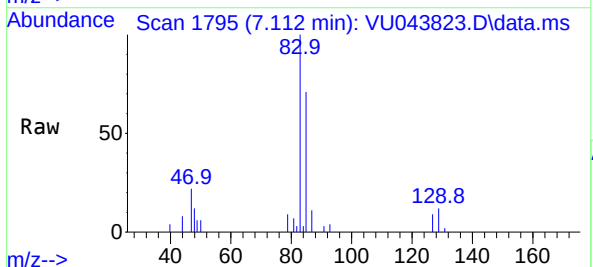
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

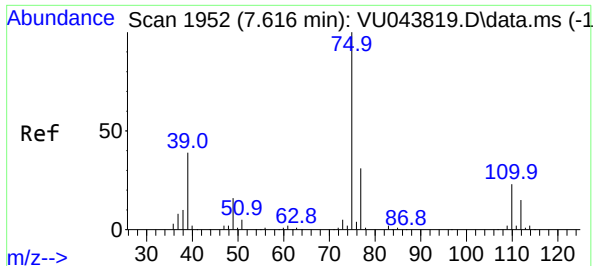
Tgt Ion: 63 Resp: 8886
Ion Ratio Lower Upper
63 100
112 3.1 3.0 4.4



#38
Bromodichloromethane
Concen: 2.15 ug/L
RT: 7.112 min Scan# 1795
Delta R.T. -0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion: 83 Resp: 9838
Ion Ratio Lower Upper
83 100
85 71.5 44.3 82.3
127 8.5 6.6 9.8

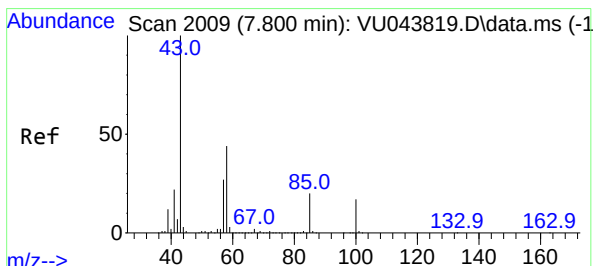
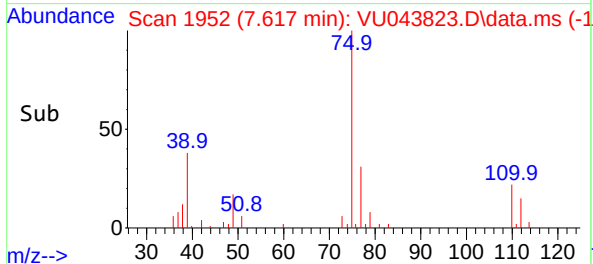
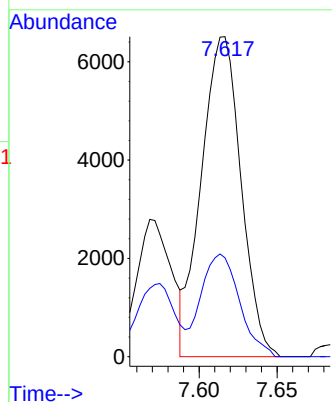
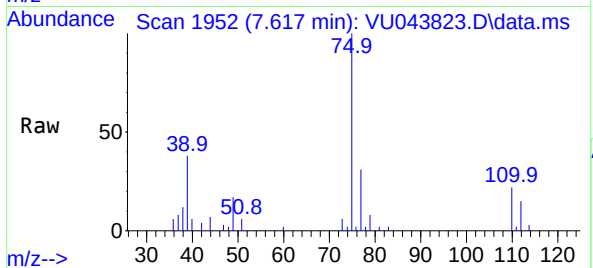




#39
cis-1,3-Dichloropropene
Concen: 2.19 ug/L
RT: 7.617 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

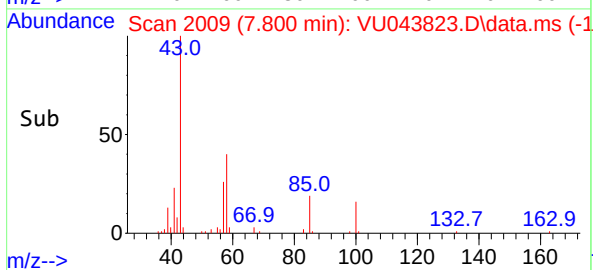
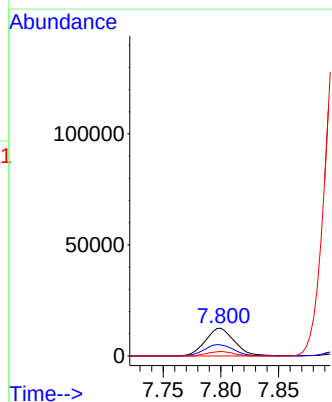
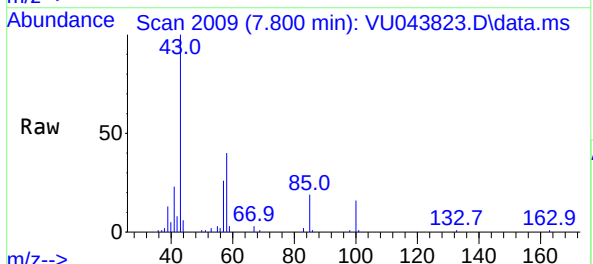
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

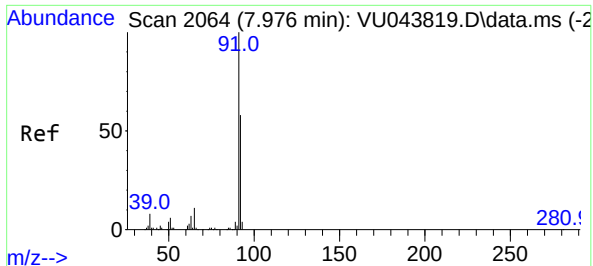
Tgt Ion: 75 Resp: 11542
Ion Ratio Lower Upper
75 100
77 30.2 22.0 41.0



#40
4-Methyl-2-pentanone
Concen: 3.76 ug/L
RT: 7.800 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion: 43 Resp: 21874
Ion Ratio Lower Upper
43 100
58 41.1 33.4 50.0
100 14.3 12.2 18.2





#42

Toluene

Concen: 2.67 ug/L

RT: 7.977 min Scan# 2064

Delta R.T. 0.000 min

Lab File: VU043823.D

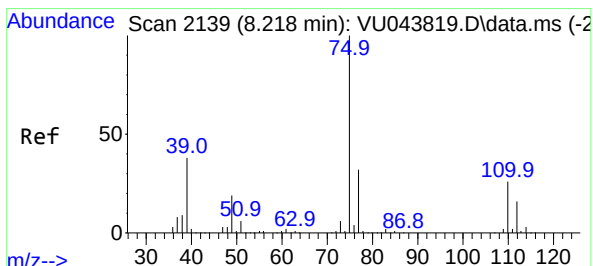
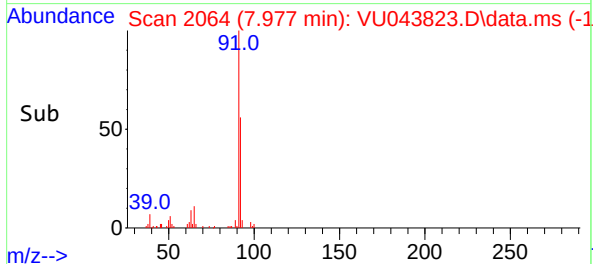
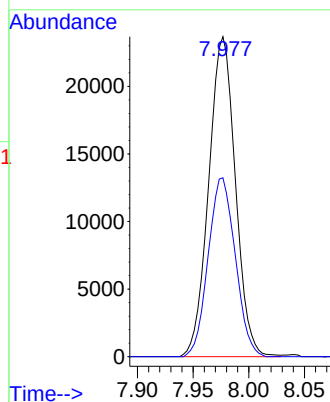
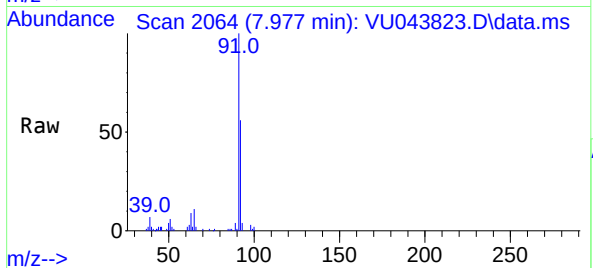
Acq: 19 May 2021 13:05

Tgt Ion: 91 Resp: 39506

Ion Ratio Lower Upper

91 100

92 55.9 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 2.34 ug/L

RT: 8.218 min Scan# 2139

Delta R.T. 0.000 min

Lab File: VU043823.D

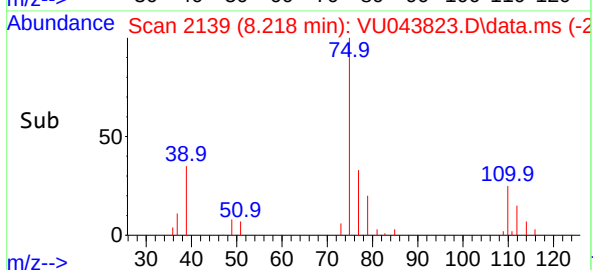
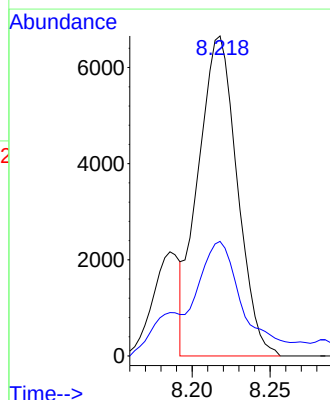
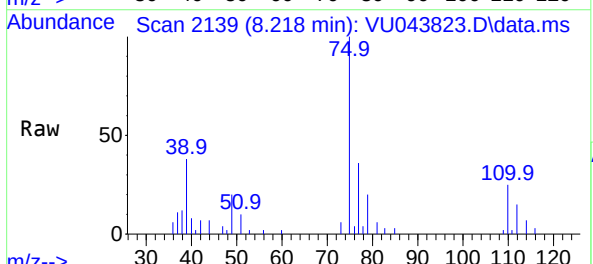
Acq: 19 May 2021 13:05

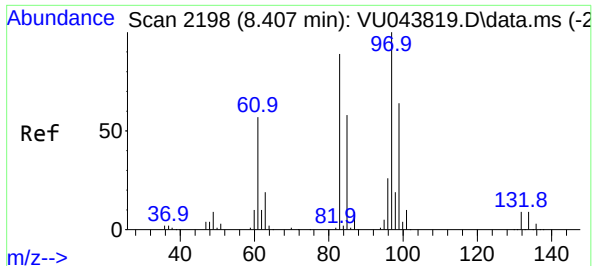
Tgt Ion: 75 Resp: 11586

Ion Ratio Lower Upper

75 100

77 35.8 22.4 41.6





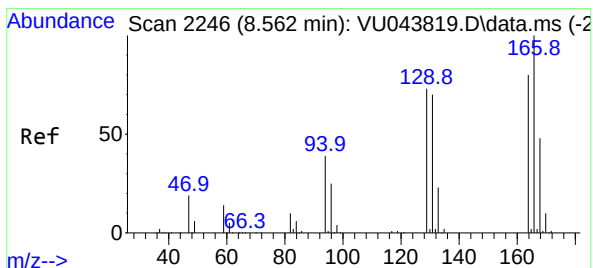
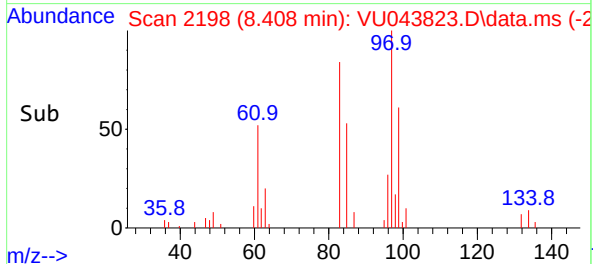
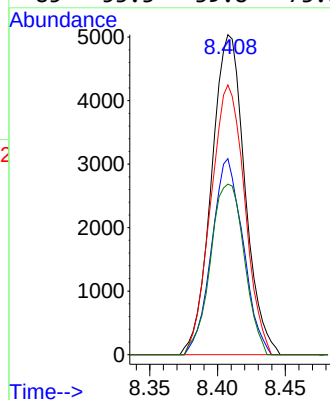
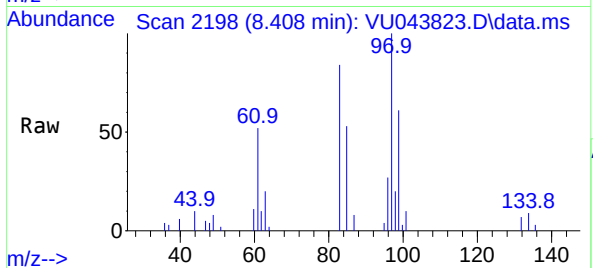
#45

1,1,2-Trichloroethane
Concen: 2.43 ug/L
RT: 8.408 min Scan# 2198
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

Tgt Ion: 97 Resp: 8645

Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.2	80.2
83	84.3	61.7	114.5
85	53.3	39.8	73.8

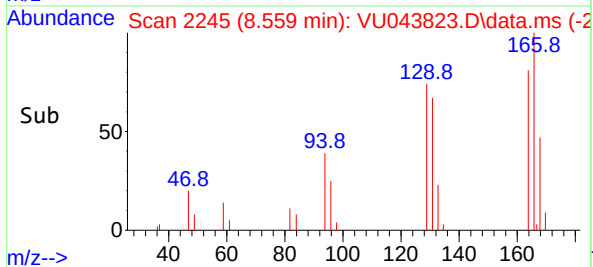
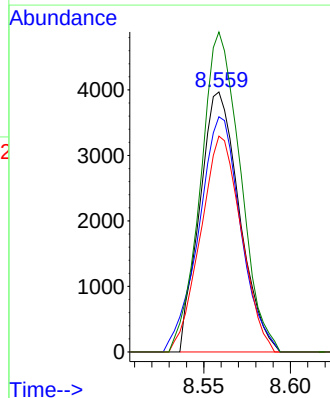
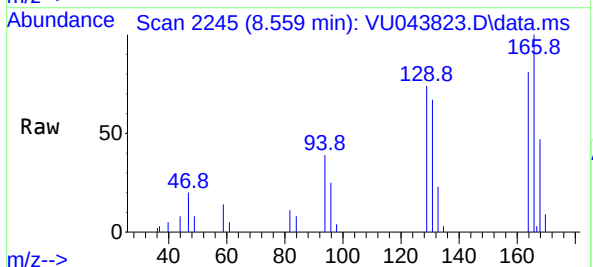


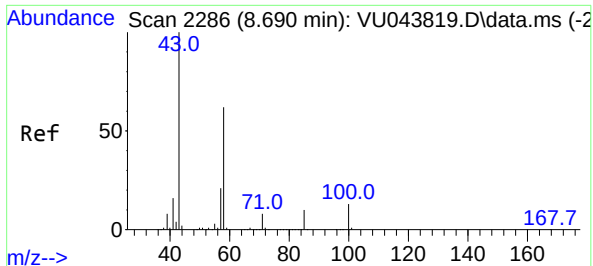
#46

Tetrachloroethene
Concen: 2.34 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion: 164 Resp: 6322

Ion	Ratio	Lower	Upper
164	100		
129	90.5	65.5	121.6
131	83.1	63.0	117.0
166	126.7	88.6	164.6



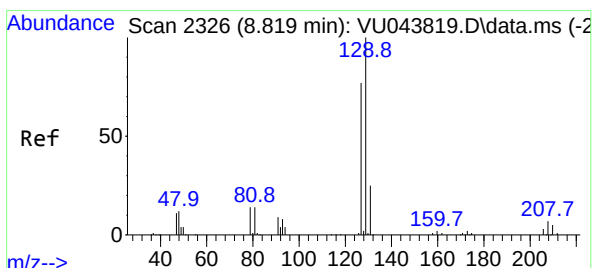
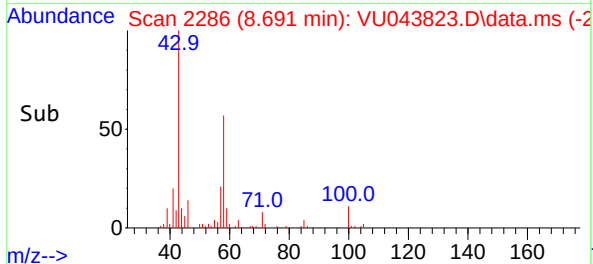
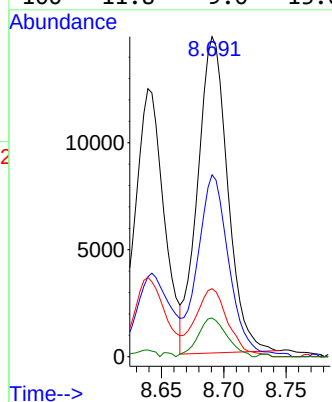
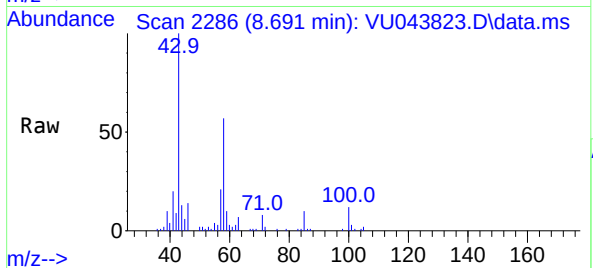


#48
2-Hexanone
Concen: 5.32 ug/L
RT: 8.691 min Scan# 2286
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

Tgt Ion: 43 Resp: 24821

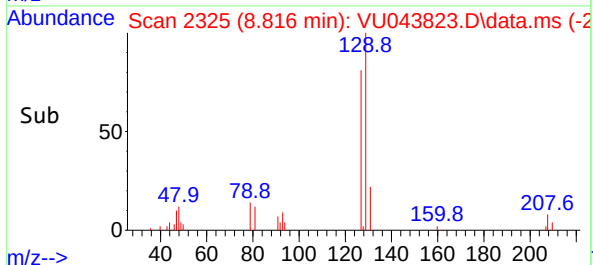
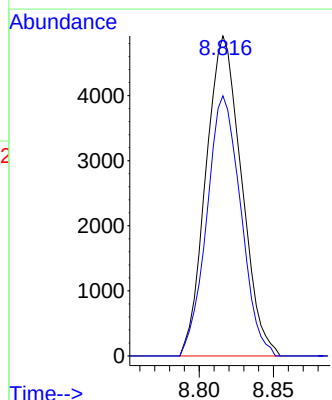
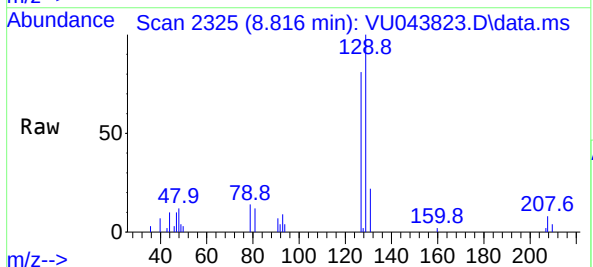
Ion	Ratio	Lower	Upper
43	100		
58	56.7	46.2	69.2
57	23.7	15.9	23.9
100	11.8	9.0	13.6

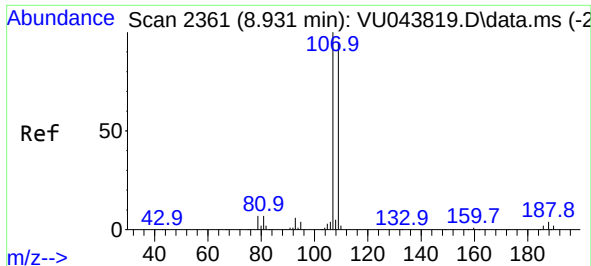


#49
Dibromochloromethane
Concen: 2.25 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. -0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion: 129 Resp: 8193

Ion	Ratio	Lower	Upper
129	100		
127	83.4	54.5	101.1





#50

1,2-Dibromoethane

Concen: 2.34 ug/L

RT: 8.932 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VU043823.D

Acq: 19 May 2021 13:05

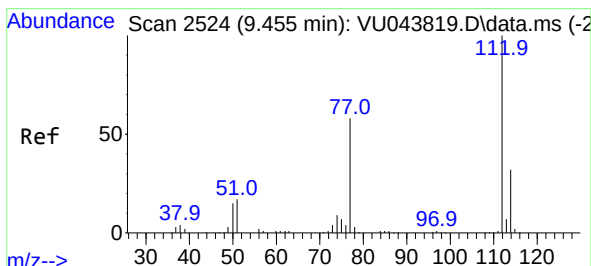
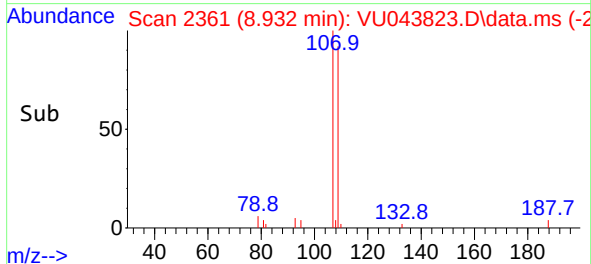
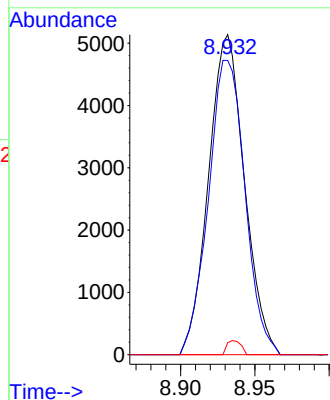
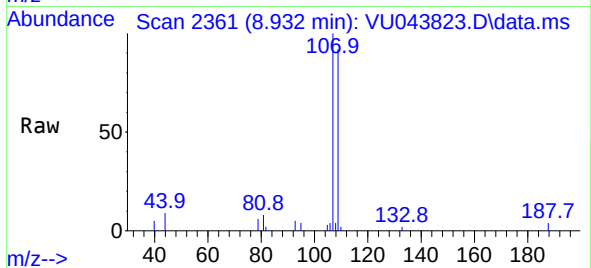
Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2021-06

Tgt Ion:	107	Resp:	8651
Ion	Ratio	Lower	Upper
107	100		
109	91.9	66.5	123.5
188	3.8	3.2	4.8



#51

Chlorobenzene

Concen: 2.22 ug/L

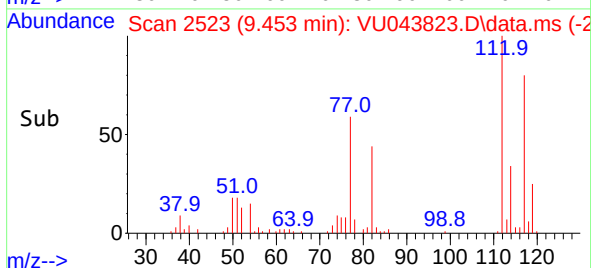
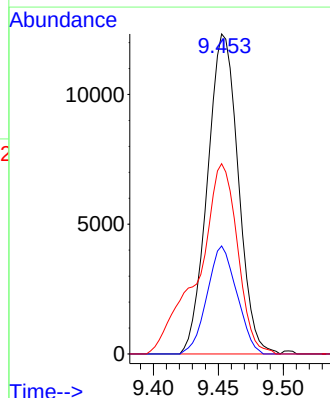
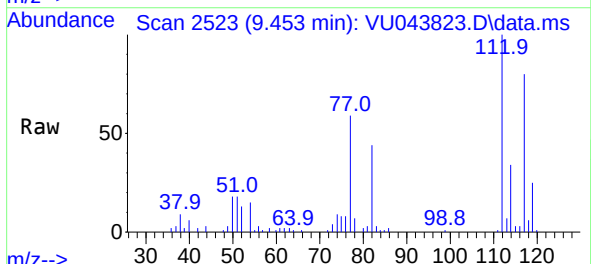
RT: 9.453 min Scan# 2523

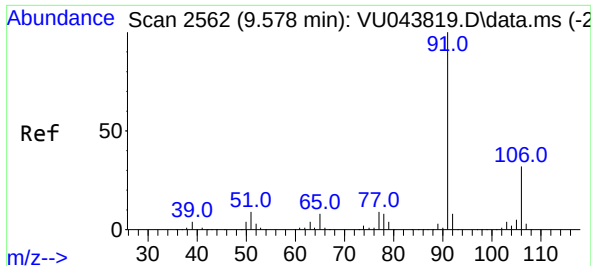
Delta R.T. -0.003 min

Lab File: VU043823.D

Acq: 19 May 2021 13:05

Tgt Ion:	112	Resp:	20354
Ion	Ratio	Lower	Upper
112	100		
114	33.8	22.7	42.1
77	59.4	48.5	72.7

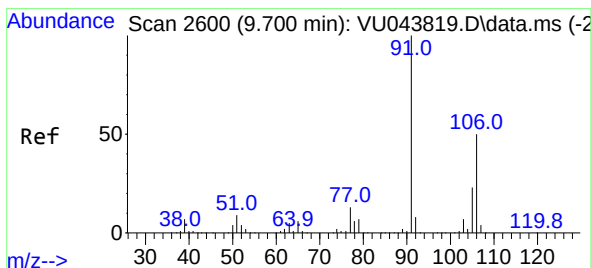
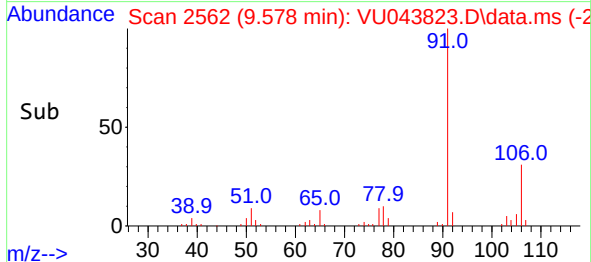
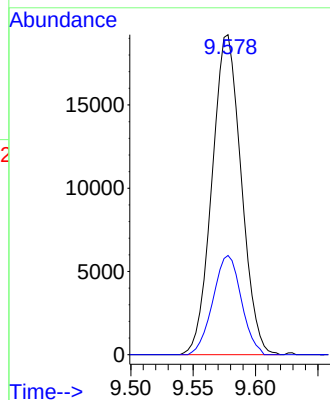
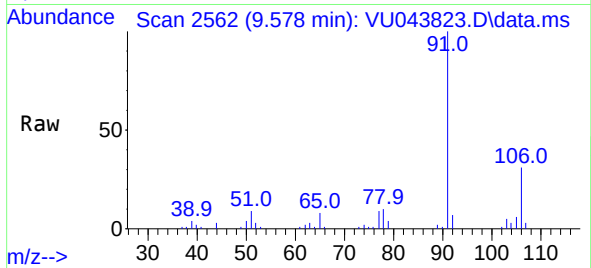




#52
Ethylbenzene
Concen: 2.06 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

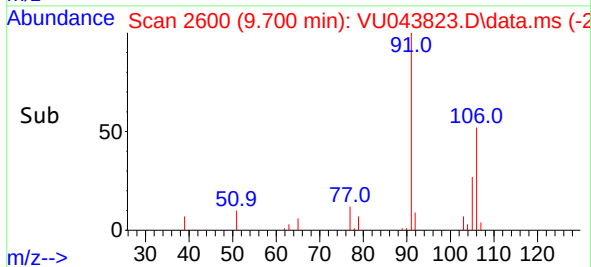
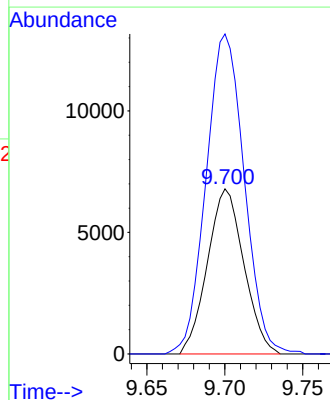
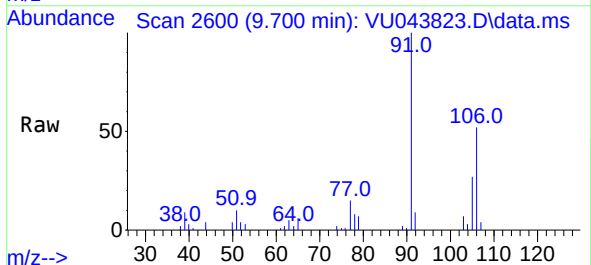
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

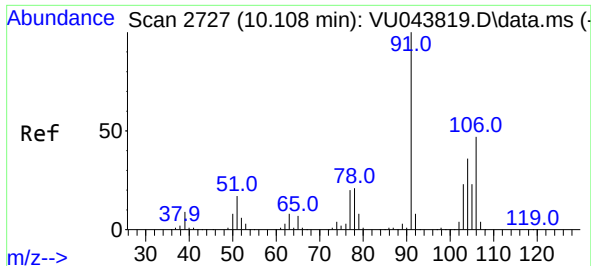
Tgt Ion: 91 Resp: 31376
Ion Ratio Lower Upper
91 100
106 33.6 21.6 40.2



#53
m,p-Xylene
Concen: 1.91 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion: 106 Resp: 11039
Ion Ratio Lower Upper
106 100
91 193.8 142.9 265.5

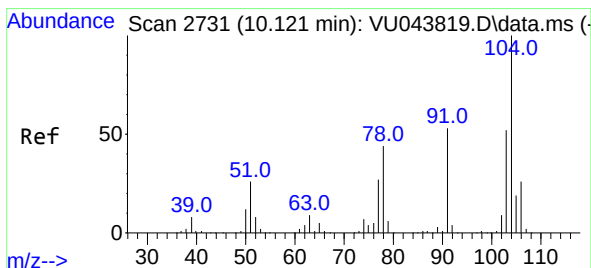
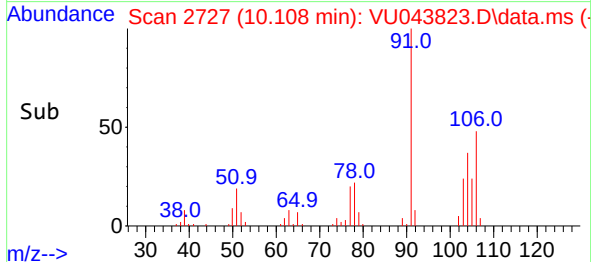
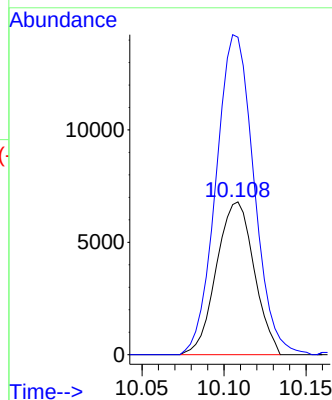
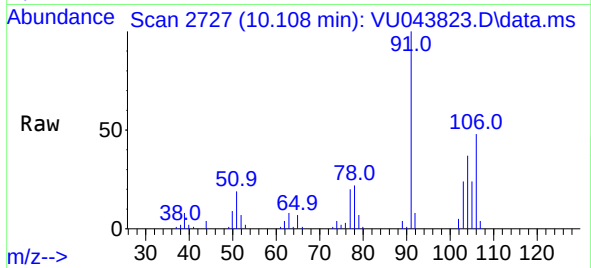




#54
o-xylene
Concen: 1.90 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

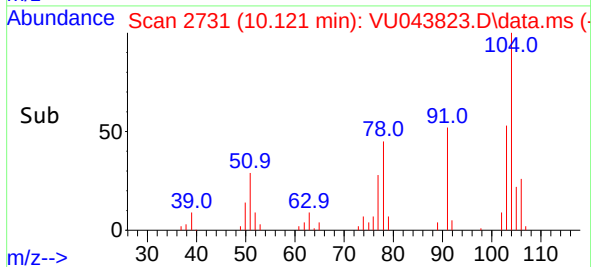
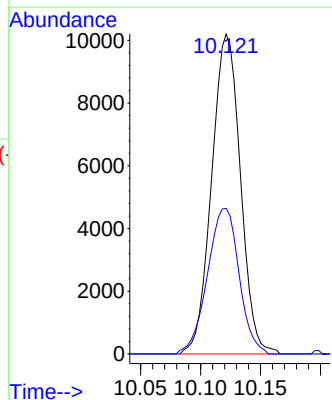
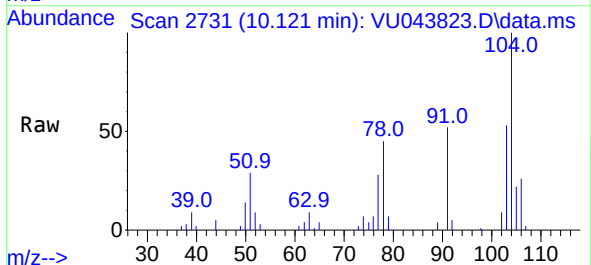
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

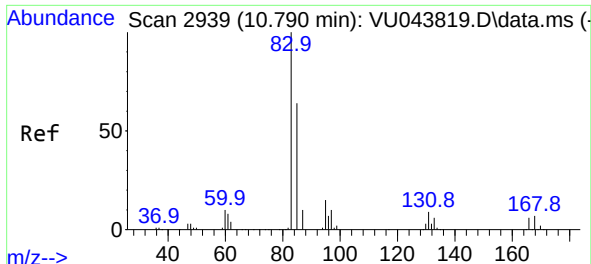
Tgt Ion:106 Resp: 10843
Ion Ratio Lower Upper
106 100
91 191.8 151.6 281.6



#55
Styrene
Concen: 1.77 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion:104 Resp: 17012
Ion Ratio Lower Upper
104 100
78 45.5 31.8 59.0

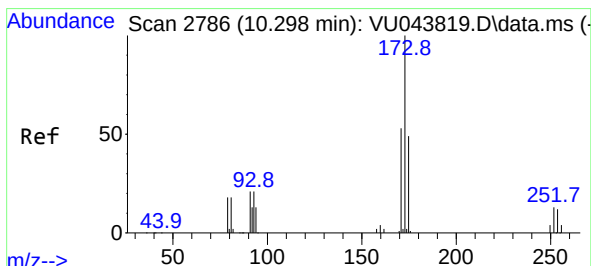
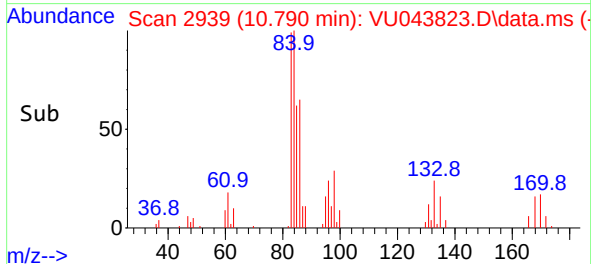
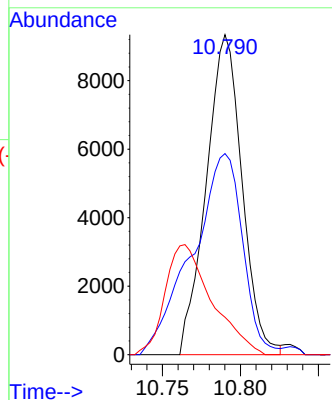
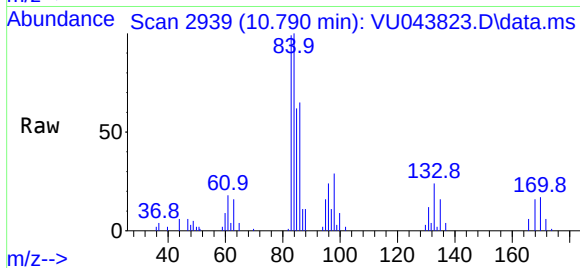




#57
1,1,2,2-Tetrachloroethane
Concen: 2.30 ug/L
RT: 10.790 min Scan# 2939
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

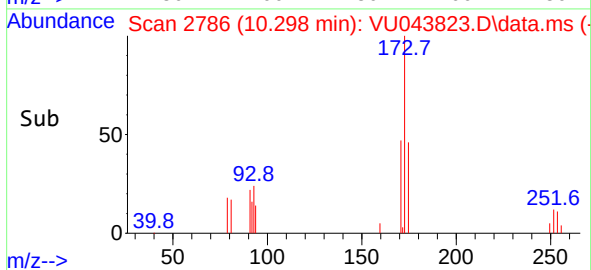
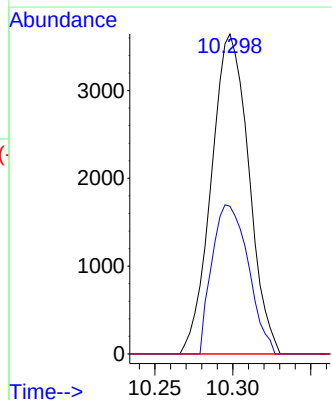
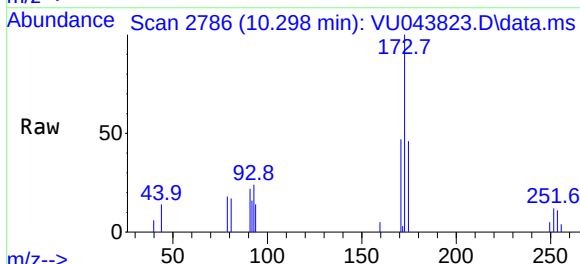
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

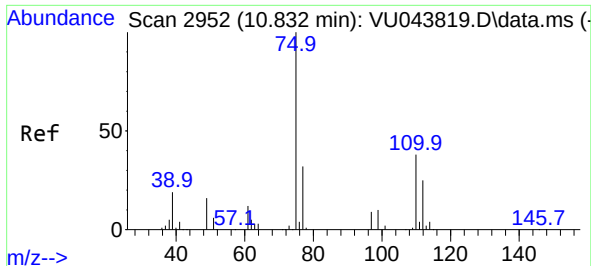
Tgt Ion:	83	Resp:	14902
Ion	Ratio	Lower	Upper
83	100		
85	62.8	44.5	82.7
131	15.8	7.4	11.2#



#59
Bromoform
Concen: 2.24 ug/L
RT: 10.298 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion:	173	Resp:	6089
Ion	Ratio	Lower	Upper
173	100		
175	45.1	38.6	57.8
254	0.0	6.8	10.2#

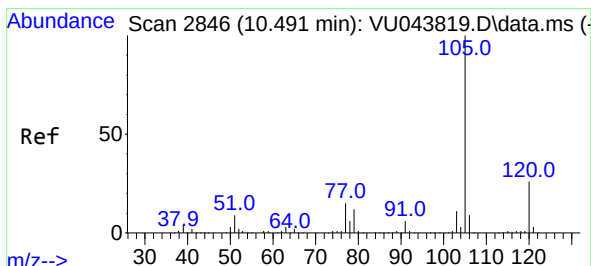
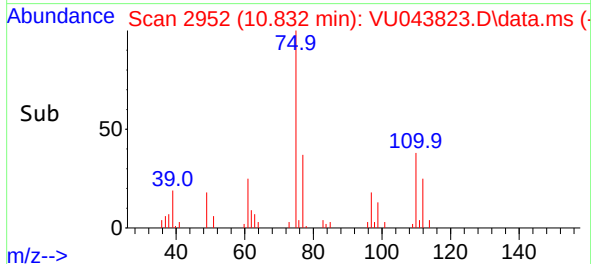
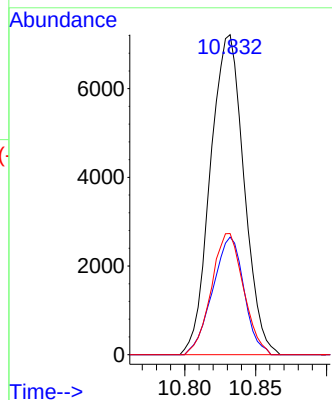
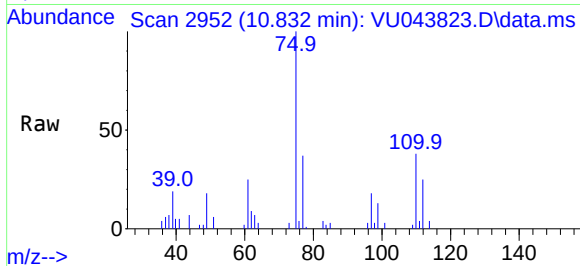




#60
1,2,3-Trichloropropane
Concen: 2.45 ug/L
RT: 10.832 min Scan# 2952
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

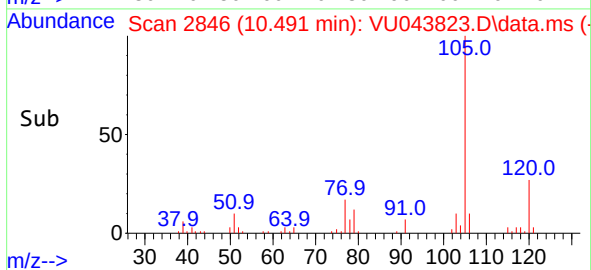
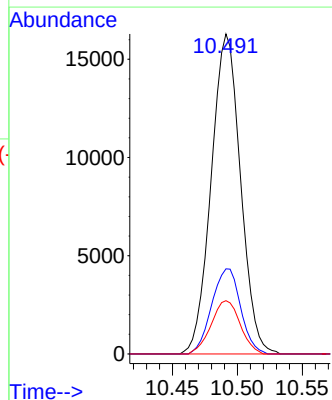
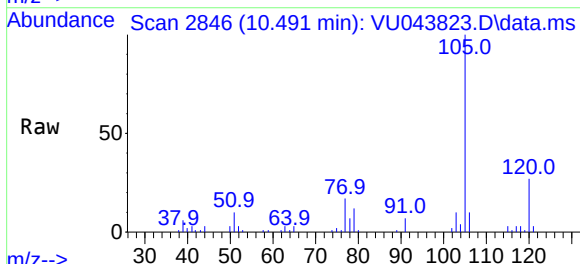
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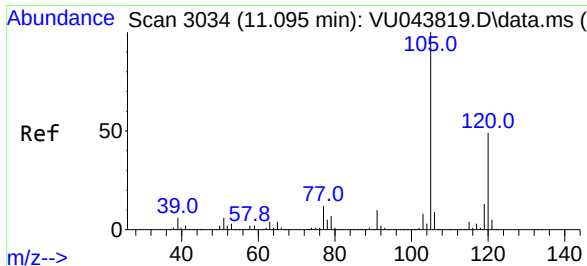
Tgt Ion:	75	Resp:	11890
Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.8	38.6
110	36.3	28.9	43.3



#61
Isopropylbenzene
Concen: 1.88 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion:	105	Resp:	25538
Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.0	31.4
77	16.5	12.5	18.7

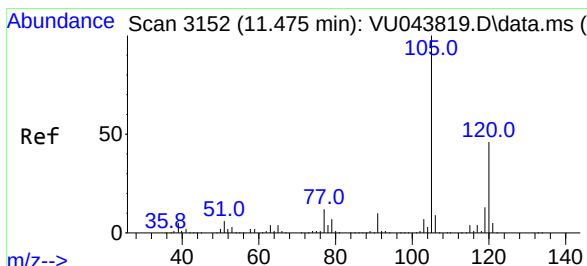
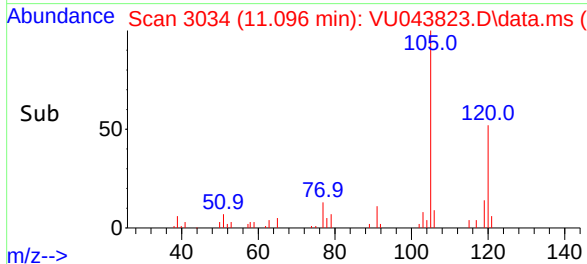
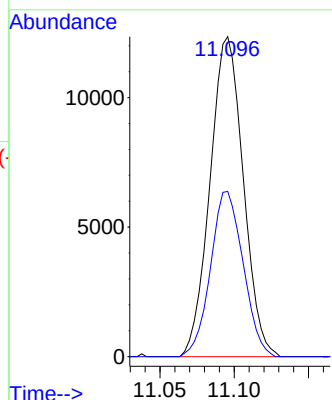
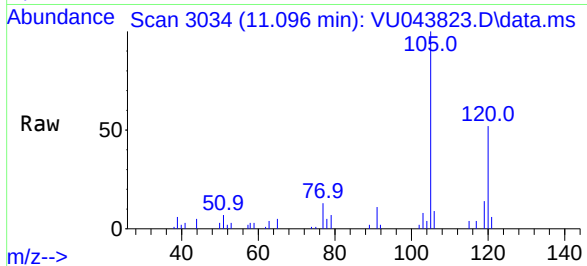




#62
1,3,5-Trimethylbenzene
Concen: 1.71 ug/L
RT: 11.096 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

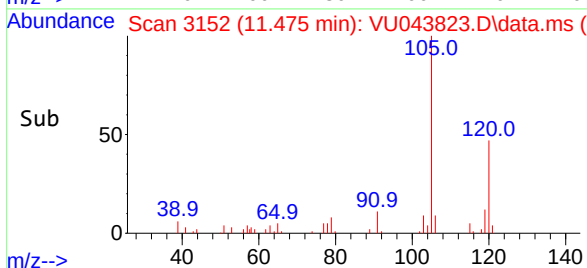
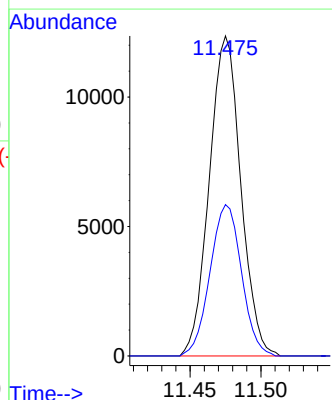
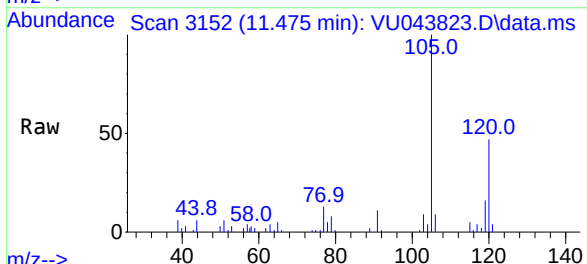
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

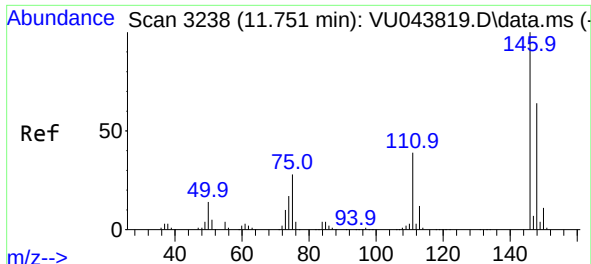
Tgt Ion:105 Resp: 19252
Ion Ratio Lower Upper
105 100
120 50.6 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 1.69 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion:105 Resp: 19128
Ion Ratio Lower Upper
105 100
120 47.2 36.2 54.2

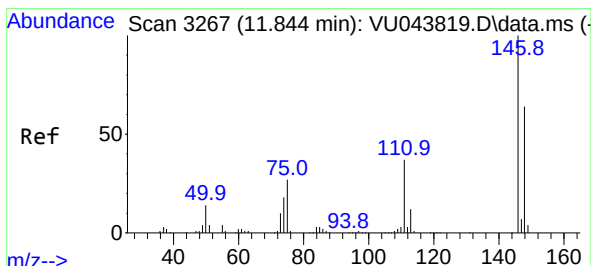
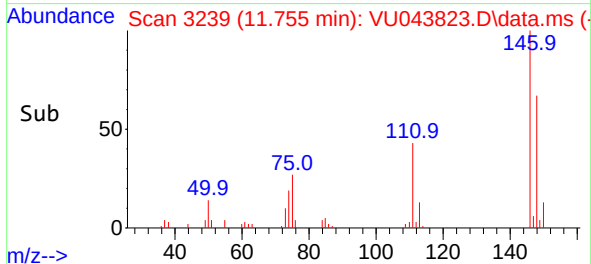
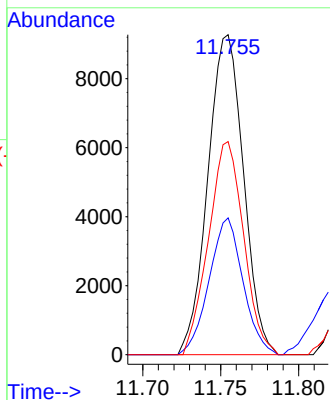
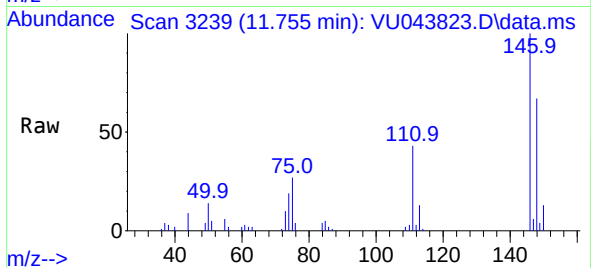




#64
1,3-Dichlorobenzene
Concen: 2.23 ug/L
RT: 11.755 min Scan# 3239
Delta R.T. 0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

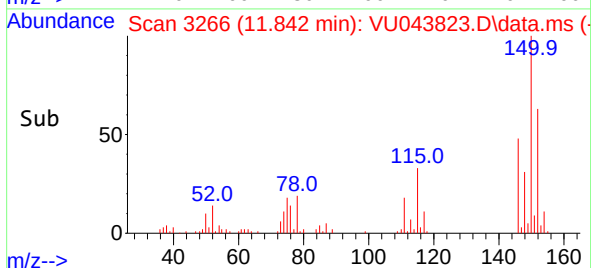
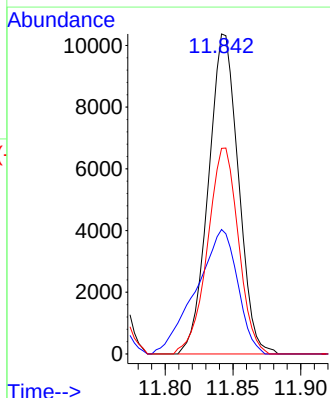
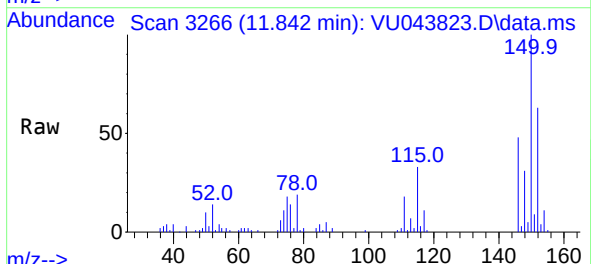
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2021-06

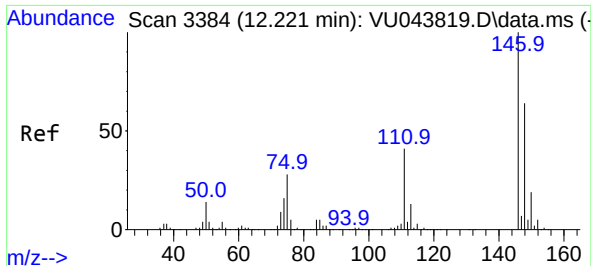
Tgt Ion:146 Resp: 14763
Ion Ratio Lower Upper
146 100
111 42.7 27.8 51.6
148 70.8 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 2.36 ug/L
RT: 11.842 min Scan# 3266
Delta R.T. -0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion:146 Resp: 15917
Ion Ratio Lower Upper
146 100
111 38.9 27.1 50.3
148 64.3 45.4 84.4

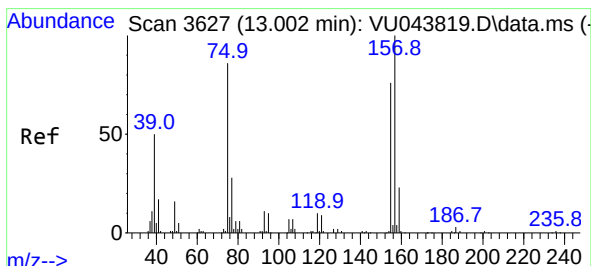
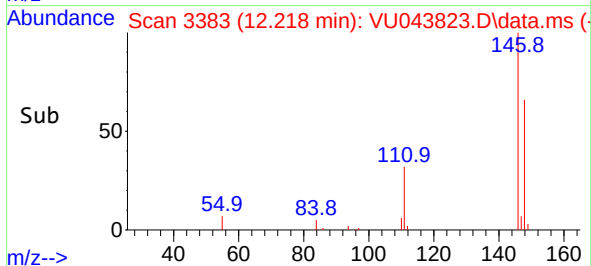
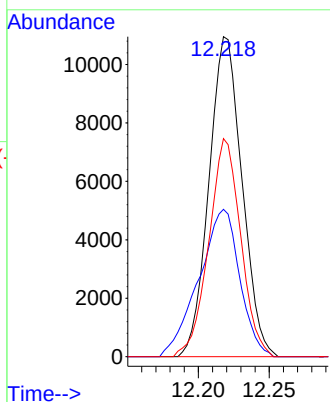
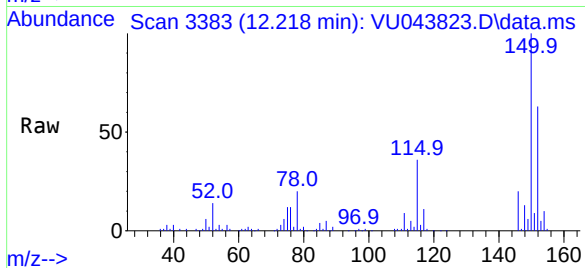




#67
1,2-Dichlorobenzene
Concen: 2.58 ug/L
RT: 12.218 min Scan# 3383
Delta R.T. -0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

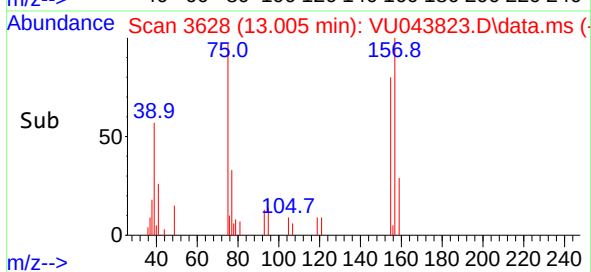
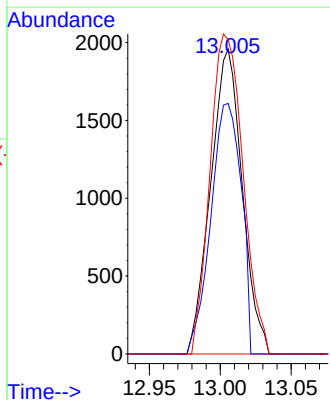
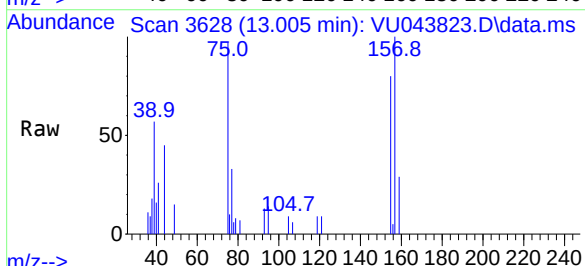
Instrument :
MSVOA_U
ClientSampleId :
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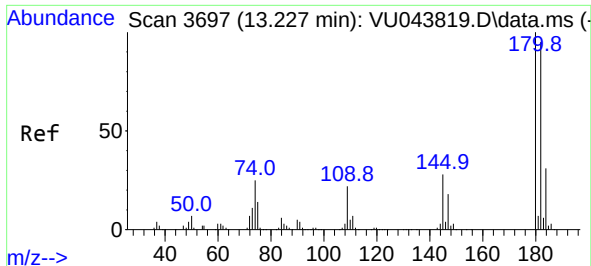
Tgt Ion:	146	Resp:	17755
Ion Ratio	Lower	Upper	
146	100		
111	46.1	33.5	50.3
148	68.1	51.7	77.5



#68
1,2-Dibromo-3-chloropropane
Concen: 2.29 ug/L
RT: 13.005 min Scan# 3628
Delta R.T. 0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion:	75	Resp:	3040
Ion Ratio	Lower	Upper	
75	100		
155	74.2	72.5	108.7
157	93.1	92.3	138.5



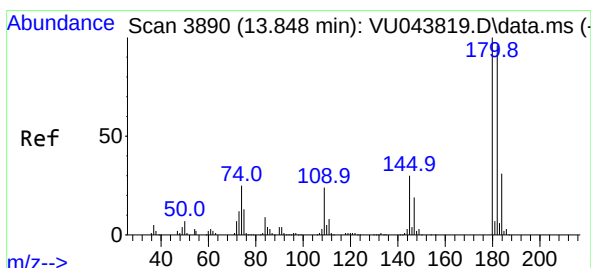
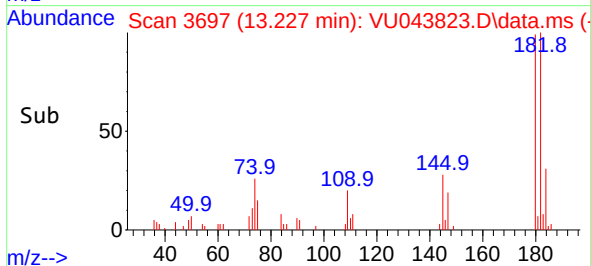
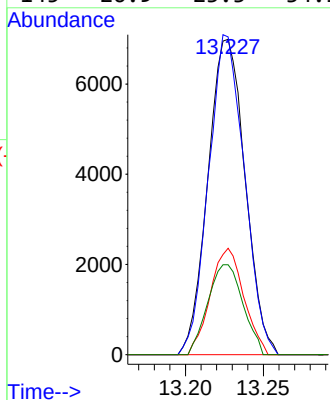
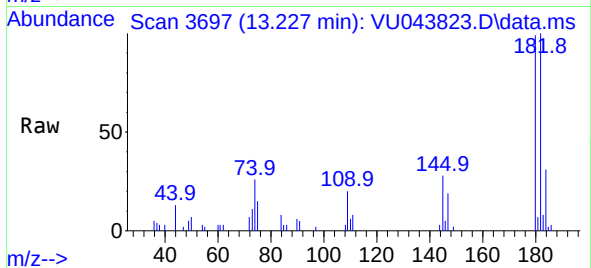


#69
1,3,5-Trichlorobenzene
Concen: 2.37 ug/L
RT: 13.227 min Scan# 3697
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:180 Resp: 11587

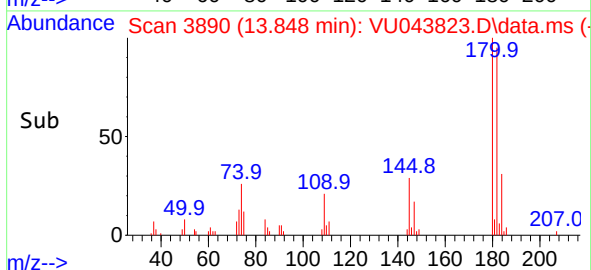
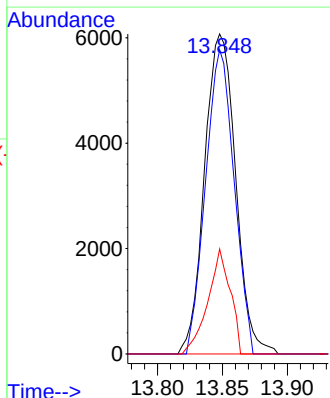
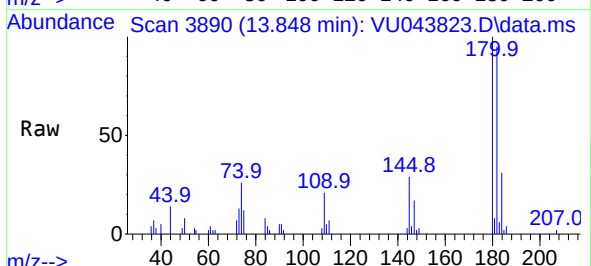
Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.4	114.6
184	30.4	25.0	37.4
145	26.9	23.3	34.9

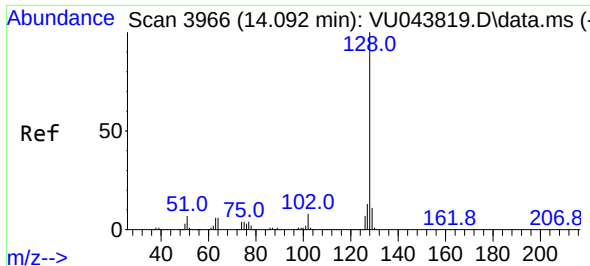


#70
1,2,4-trichlorobenzene
Concen: 2.42 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion:180 Resp: 10122

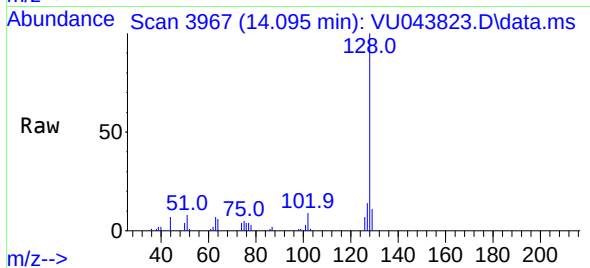
Ion	Ratio	Lower	Upper
180	100		
182	86.9	75.9	113.9
145	23.5	23.4	35.0



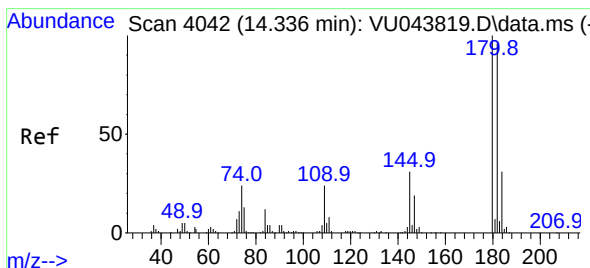
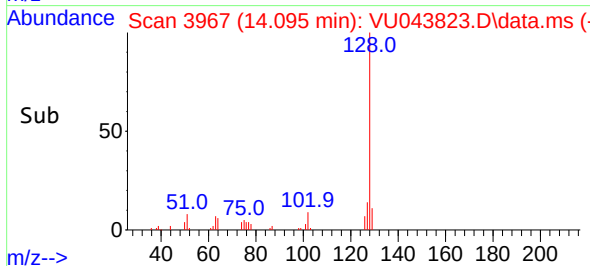
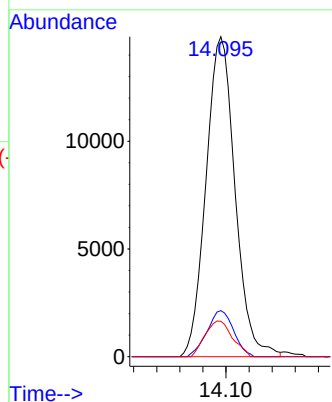


#71
Naphthalene
Concen: 1.86 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:	128	Resp:	25928
Ion Ratio	100	Lower	Upper
127	13.2	10.4	15.6
129	10.5	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 2.25 ug/L
RT: 14.337 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VU043823.D
Acq: 19 May 2021 13:05

Tgt Ion:	180	Resp:	9906
Ion Ratio	100	Lower	Upper
182	91.3	76.9	115.3
145	30.7	24.9	37.3

