

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012121\
 Data File : VU042154.D
 Acq On : 21 Jan 2021 16:33
 Operator : SY/MD
 Sample : M1170-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT98

Quant Time: Jan 22 02:50:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 22 02:43:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	107846	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	99009	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	51828	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	31176	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.919	69	25202	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.571	63	52936	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	4.645	46	148563	58.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.04%
24) Chloroform-d	5.073	84	68746	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.713	65	43096	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.735	84	128543	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.697	67	42416	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.906	98	117286	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloroprop...	8.189	79	20490	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.642	63	108704	59.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.12%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	38854	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.60%
64) 1,2-Dichlorobenzene-d4	12.201	152	47319	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	2683	0.30	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	405	0.05	ug/L #	18
12) 1,1-Dichloroethene	2.575	96	452	0.06	ug/L #	1
13) Acetone	2.661	43	14765	8.73	ug/L	90
14) Carbon disulfide	2.797	76	1293	0.05	ug/L #	87
15) Methyl Acetate	2.973	43	1325	0.33	ug/L #	55
17) Methyl tert-butyl Ether	3.369	73	1656	0.08	ug/L #	86
19) 1,1-Dichloroethane	3.880	63	721	0.05	ug/L #	88
25) Chloroform	5.095	83	11966	0.81	ug/L	98
33) Benzene	5.784	78	1150	0.04	ug/L	100
34) Trichloroethene	6.549	95	88150	11.22	ug/L	98
35) Methylcyclohexane	6.700	83	9993	0.76	ug/L #	17
37) 1,2-Dichloropropane	6.697	63	4786	0.62	ug/L #	81
38) Bromodichloromethane	7.115	83	8666	0.82	ug/L	95
39) cis-1,3-Dichloropropene	7.571	75	1441	0.11	ug/L #	56
44) trans-1,3-Dichloropropene	8.185	75	850	0.07	ug/L #	70
47) Tetrachloroethene	8.562	164	3025	0.46	ug/L	98
48) 2-Hexanone	8.690	43	2673	0.59	ug/L #	80
49) Dibromochloromethane	8.819	129	4904	0.65	ug/L	93
59) 1,2,3-Trichloropropane	11.819	75	6243	1.15	ug/L	94

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QLast Update : Fri Jan 22 02:43:44 2021
Response via : Initial Calibration

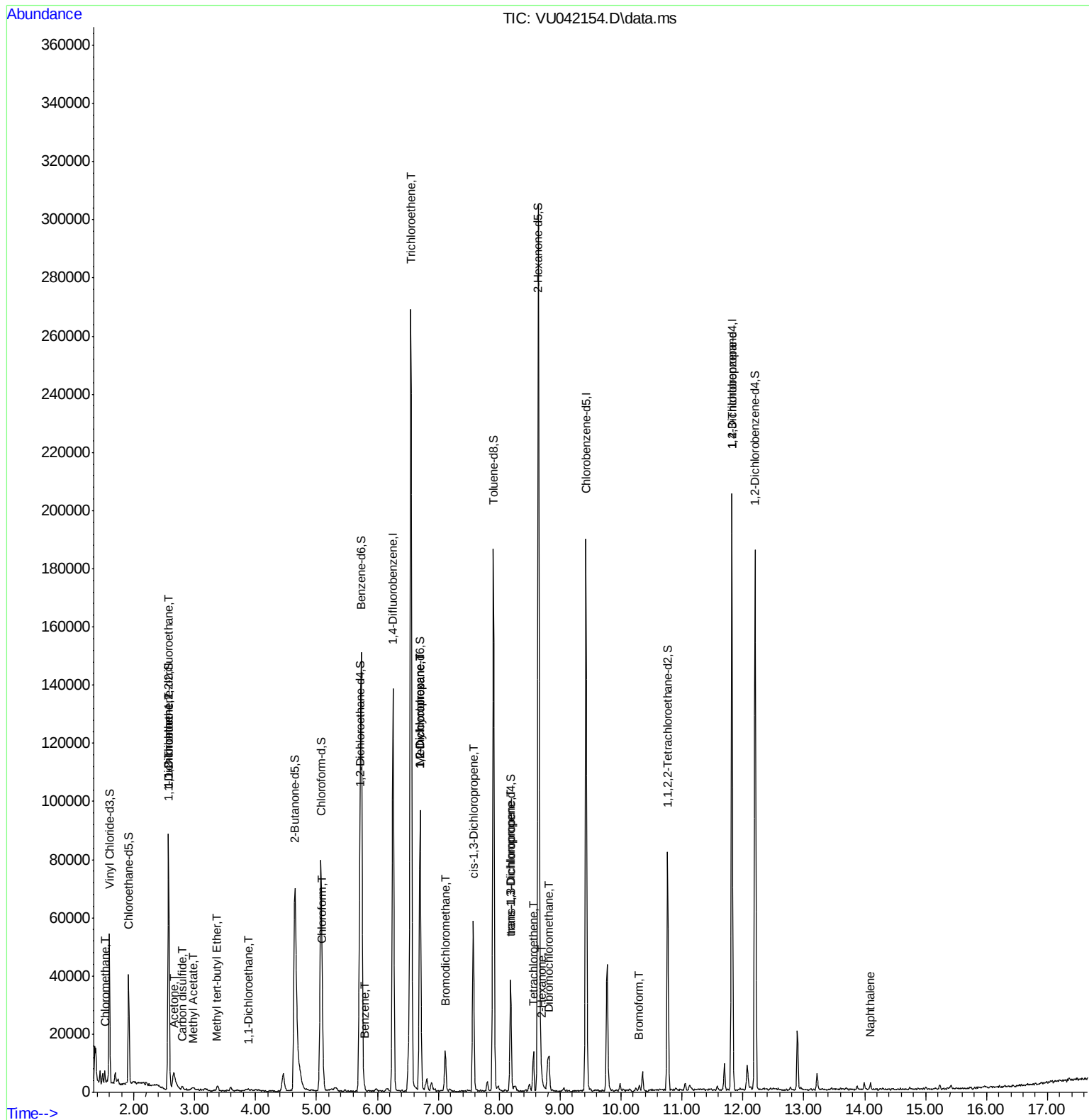
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) Bromoform	10.298	173	857	0.18 ug/L	#	87
69) Naphthalene	14.095	128	2193	0.15 ug/L	#	93

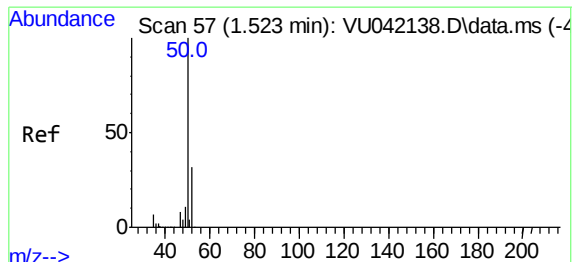
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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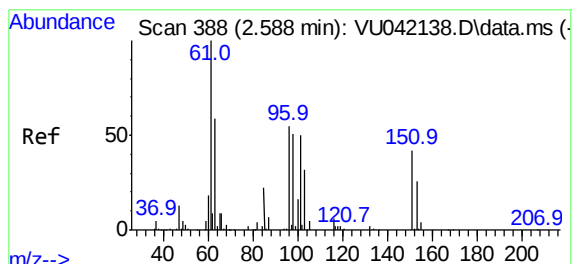
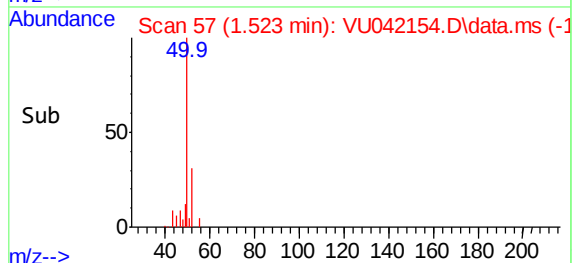
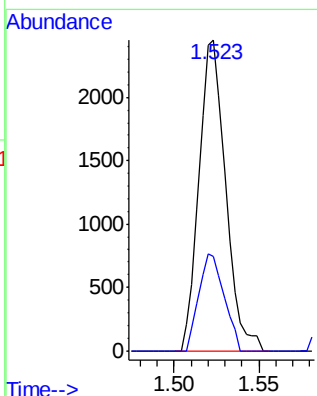
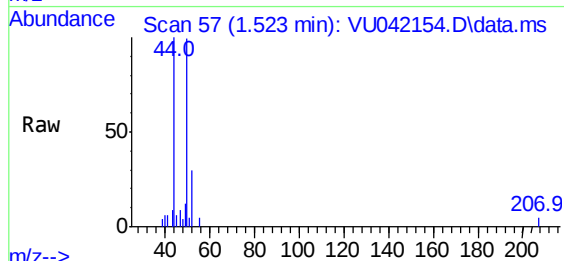




#3
Chloromethane
Concen: 0.30 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

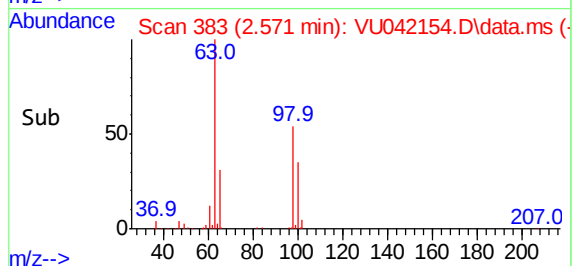
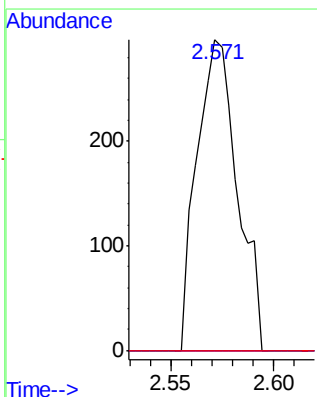
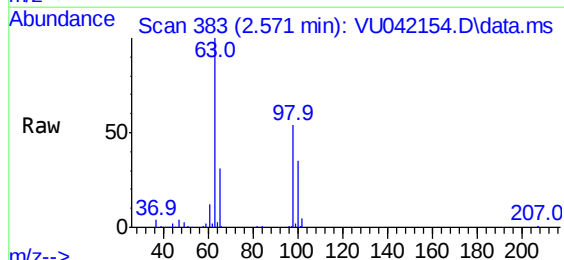
Instrument :
MSVOA_U
ClientSampleId :
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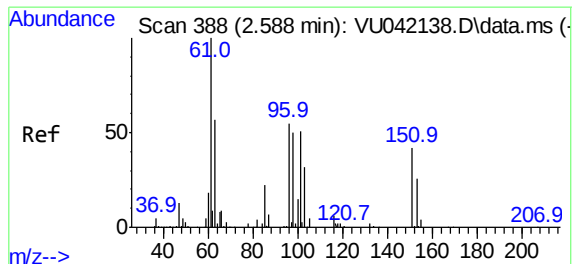
Tgt Ion: 50 Resp: 2683
Ion Ratio Lower Upper
50 100
52 30.5 23.0 42.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.05 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

Tgt Ion: 101 Resp: 405
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 62.7 94.1#

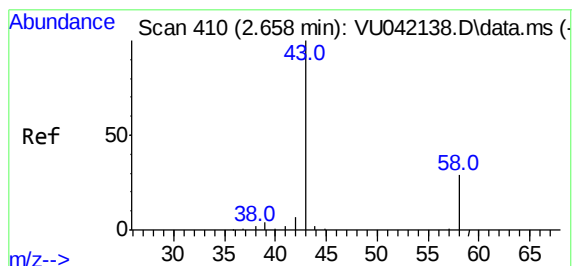
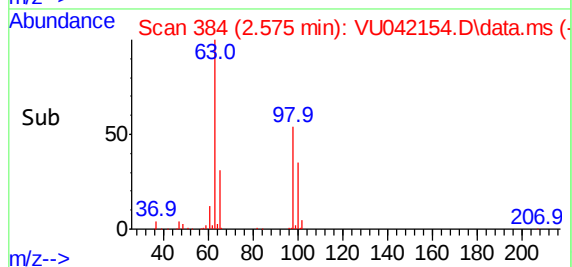
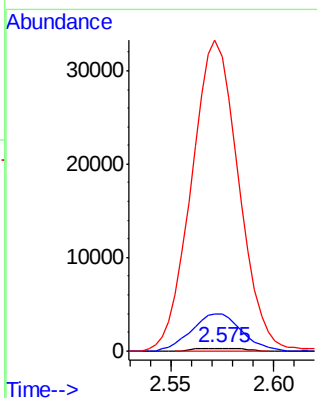
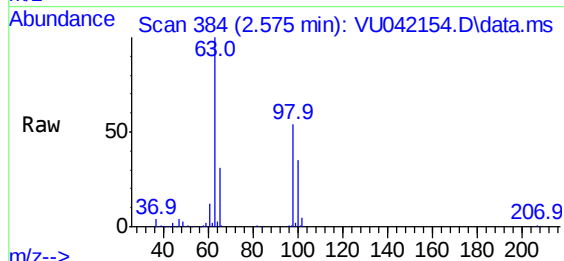




#12
1,1-Dichloroethene
Concen: 0.06 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

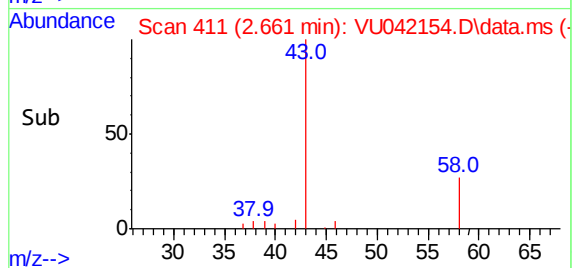
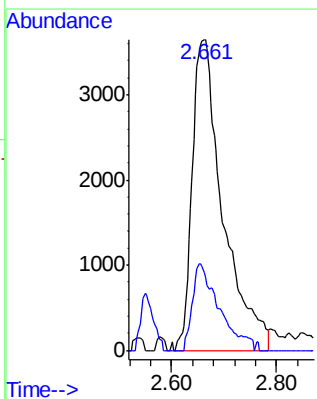
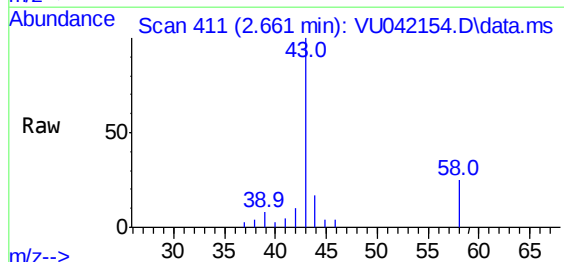
Instrument :
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ClientSampleId :
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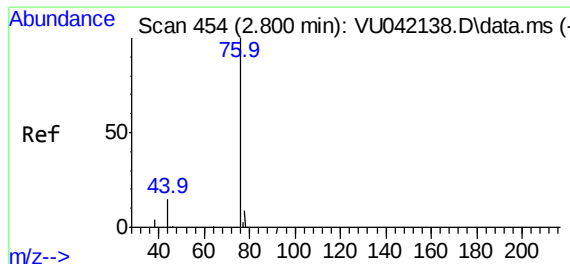
Tgt Ion: 96 Resp: 452
Ion Ratio Lower Upper
96 100
61 1380.9 126.2 234.4#
63 11180.1 77.8 144.4#



#13
Acetone
Concen: 8.73 ug/L
RT: 2.661 min Scan# 411
Delta R.T. 0.003 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

Tgt Ion: 43 Resp: 14765
Ion Ratio Lower Upper
43 100
58 22.7 0.0 55.8

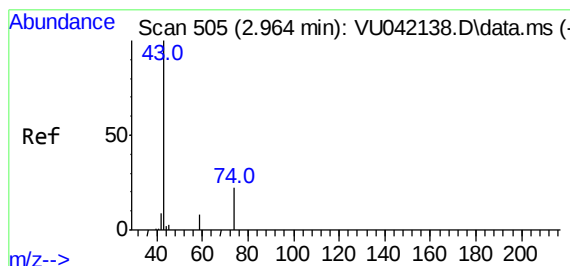
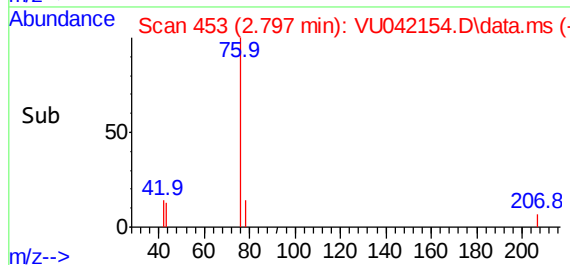
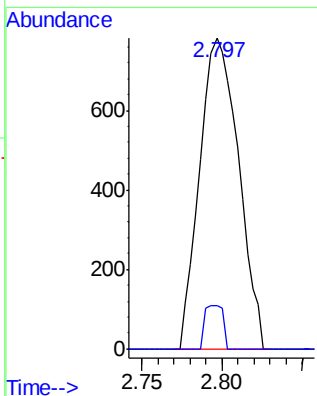
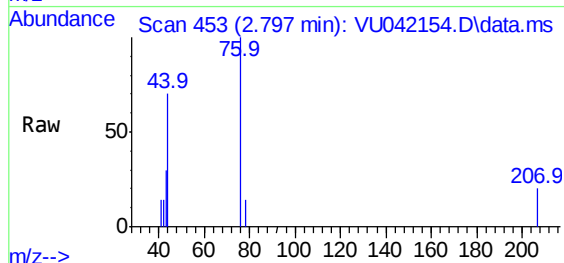




#14
Carbon disulfide
Concen: 0.05 ug/L
RT: 2.797 min Scan# 453
Delta R.T. -0.003 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

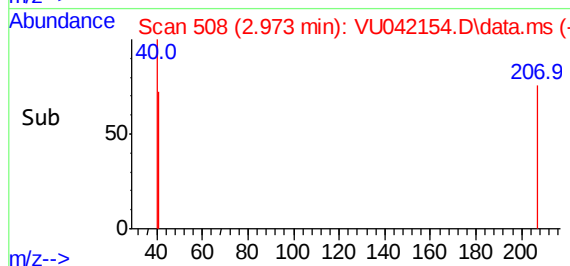
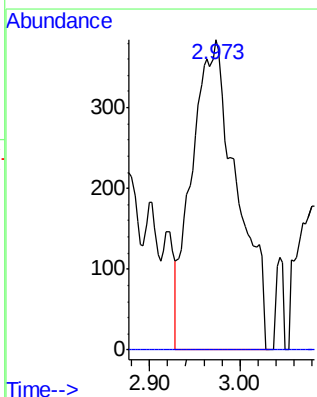
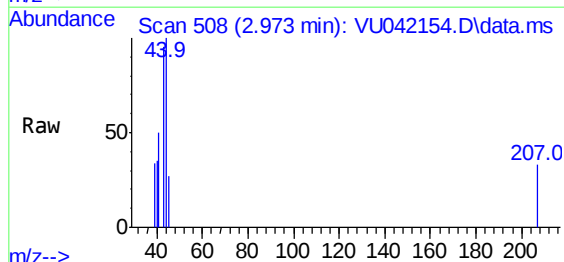
Instrument :
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ClientSampleId :
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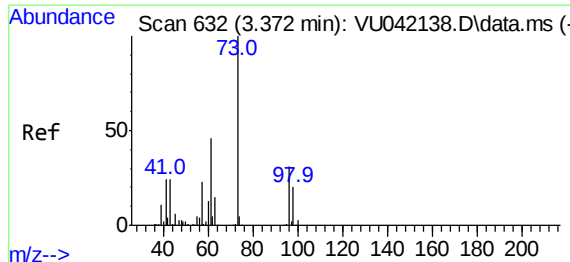
Tgt Ion: 76 Resp: 1293
Ion Ratio Lower Upper
76 100
78 13.9 7.3 10.9#



#15
Methyl Acetate
Concen: 0.33 ug/L
RT: 2.973 min Scan# 508
Delta R.T. 0.010 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

Tgt Ion: 43 Resp: 1325
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#

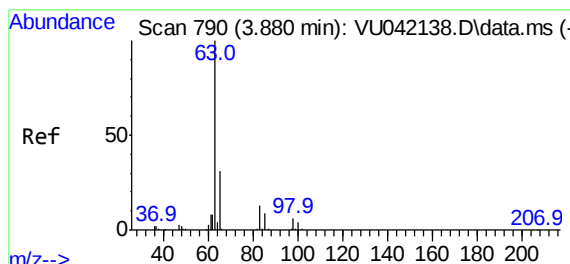
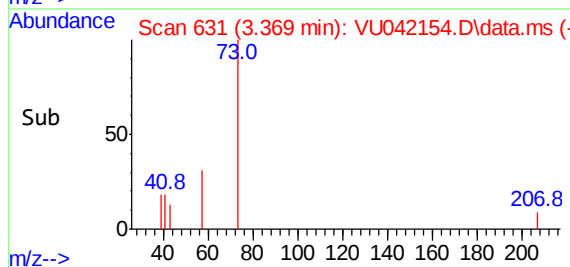
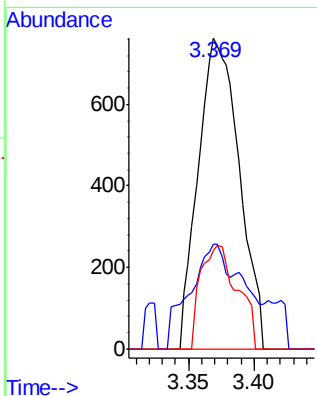
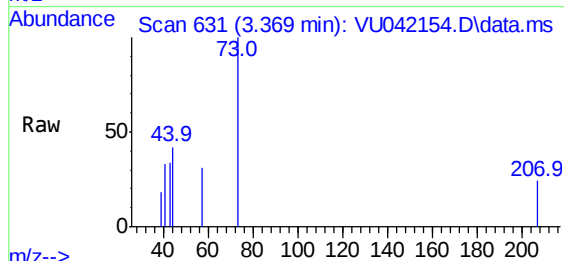




#17
Methyl tert-butyl Ether
Concen: 0.08 ug/L
RT: 3.369 min Scan# 631
Delta R.T. -0.003 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

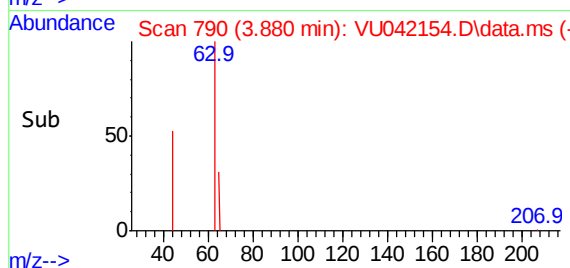
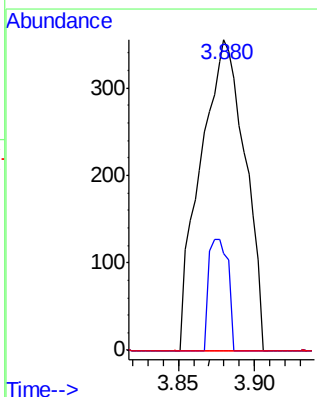
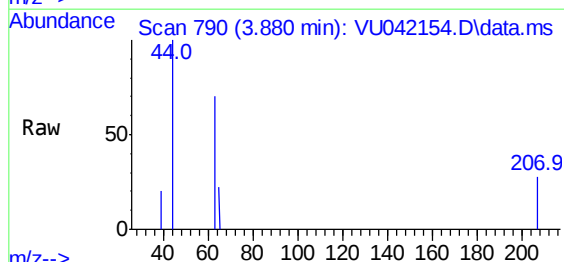
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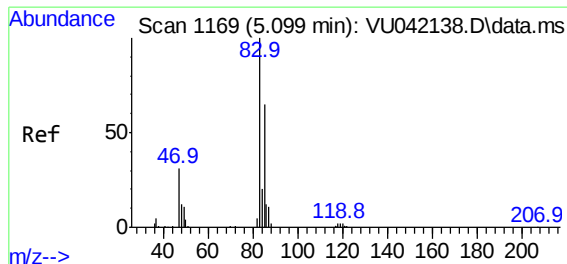
Tgt Ion: 73 Resp: 1656
Ion Ratio Lower Upper
73 100
43 30.7 18.9 28.3#
57 29.6 18.2 27.4#



#19
1,1-Dichloroethane
Concen: 0.05 ug/L
RT: 3.880 min Scan# 790
Delta R.T. -0.000 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

Tgt Ion: 63 Resp: 721
Ion Ratio Lower Upper
63 100
65 31.3 22.5 41.9
83 0.0 10.1 18.7#

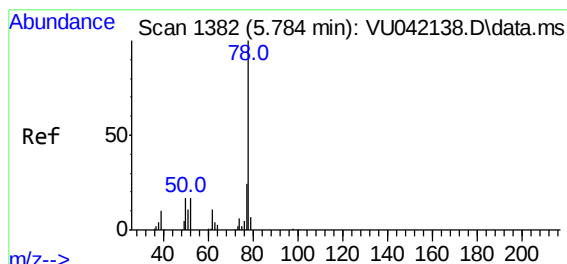
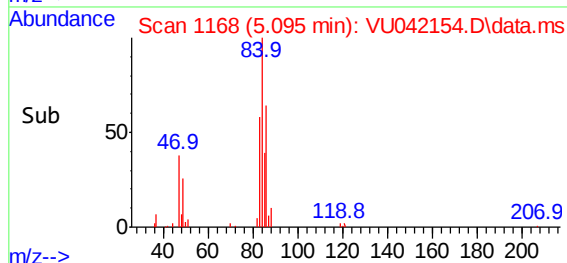
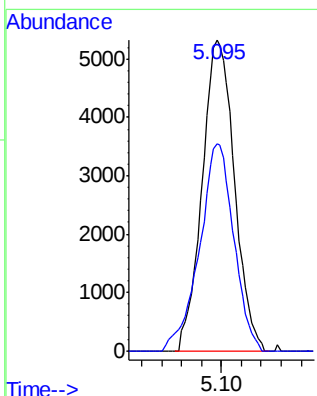
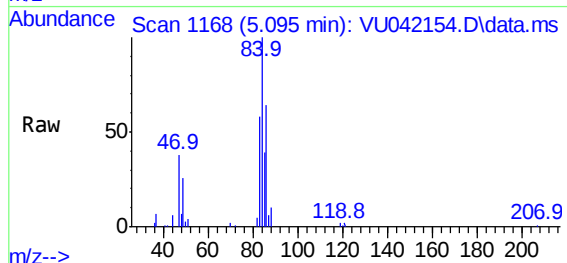




#25
Chloroform
Concen: 0.81 ug/L
RT: 5.095 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

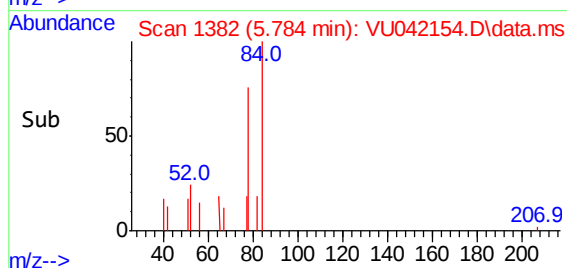
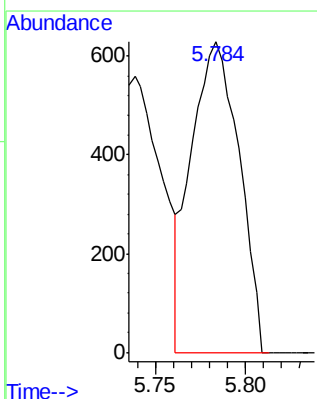
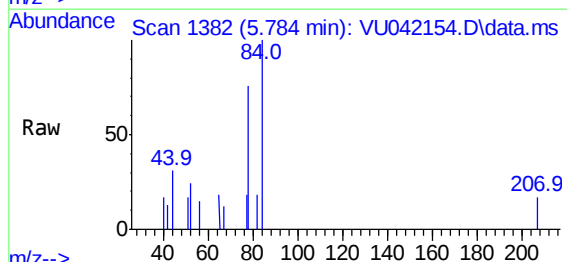
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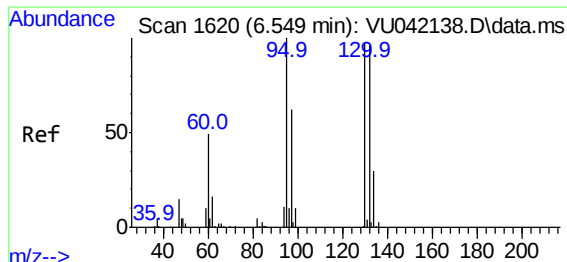
Tgt Ion: 83 Resp: 11966
Ion Ratio Lower Upper
83 100
85 66.7 45.7 84.9



#33
Benzene
Concen: 0.04 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

Tgt Ion: 78 Resp: 1150





#34

Trichloroethene

Concen: 11.22 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VU042154.D

Acq: 21 Jan 2021 16:33

Tgt Ion: 95 Resp: 88150

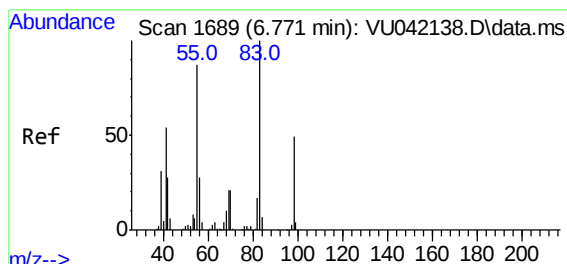
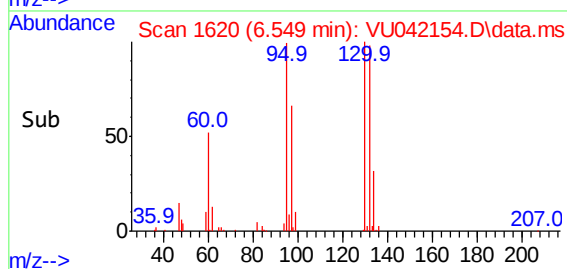
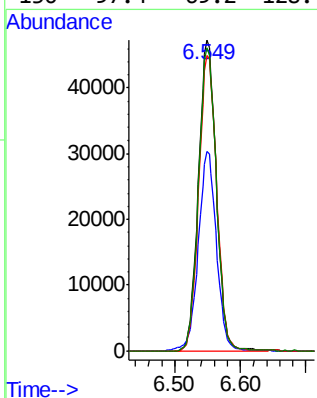
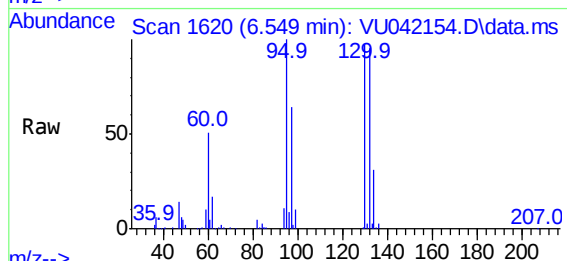
Ion Ratio Lower Upper

95 100

97 64.3 44.4 82.4

132 95.1 68.0 126.4

130 97.4 69.2 128.4



#35

Methylcyclohexane

Concen: 0.76 ug/L

RT: 6.700 min Scan# 1667

Delta R.T. -0.071 min

Lab File: VU042154.D

Acq: 21 Jan 2021 16:33

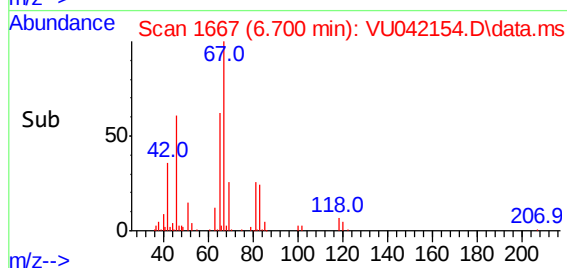
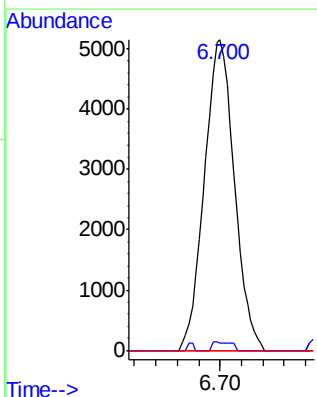
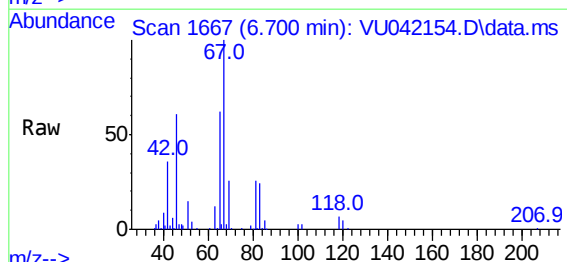
Tgt Ion: 83 Resp: 9993

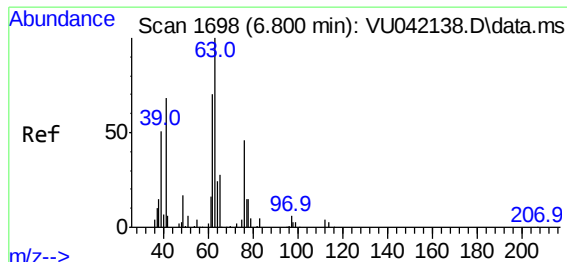
Ion Ratio Lower Upper

83 100

55 1.7 68.2 102.4#

98 3.4 39.7 59.5#

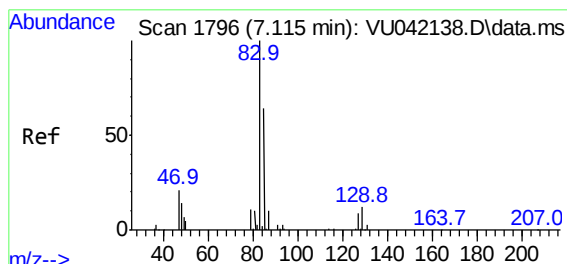
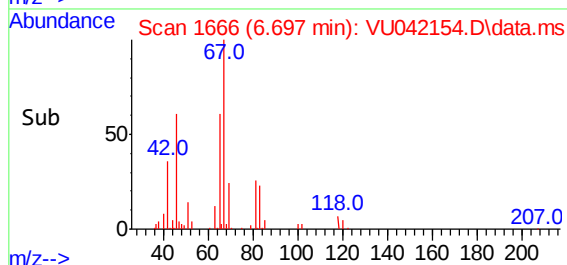
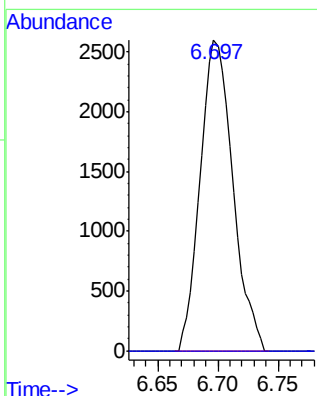
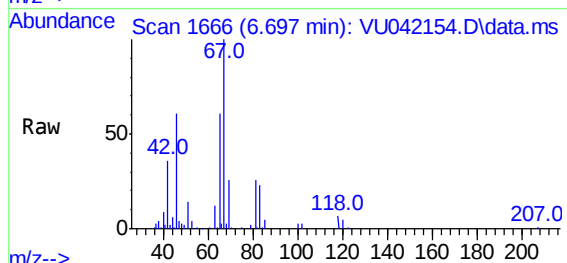




#37
1,2-Dichloropropane
Concen: 0.62 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

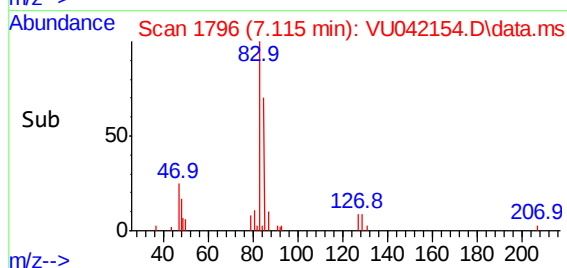
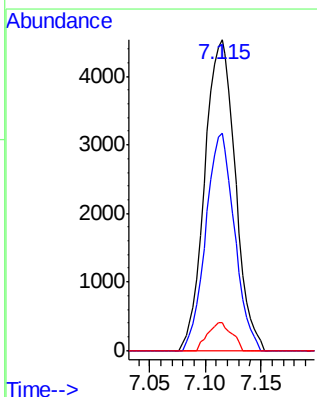
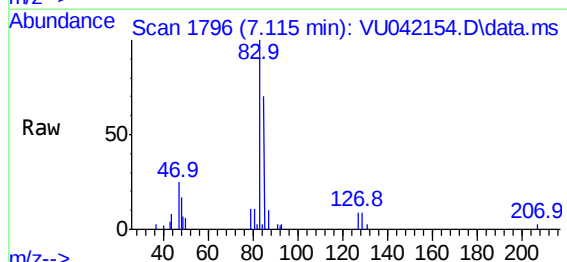
Instrument :
MSVOA_U
ClientSampleId :
BFT98

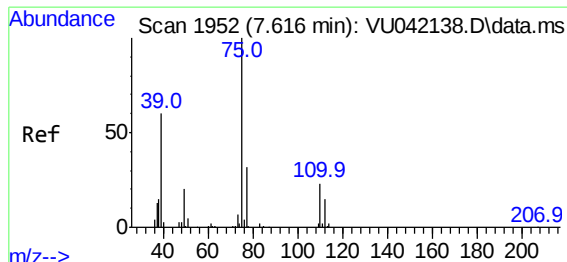
Tgt Ion: 63 Resp: 4786
Ion Ratio Lower Upper
63 100
112 10.4 3.4 5.0#



#38
Bromodichloromethane
Concen: 0.82 ug/L
RT: 7.115 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

Tgt Ion: 83 Resp: 8666
Ion Ratio Lower Upper
83 100
85 70.1 46.0 85.4
127 8.8 6.8 10.2

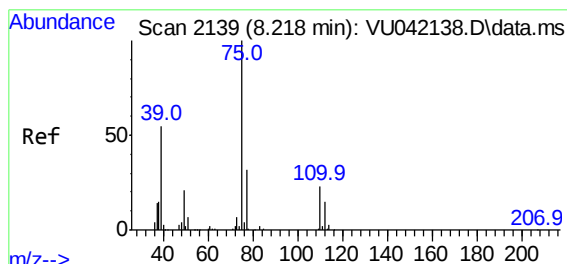
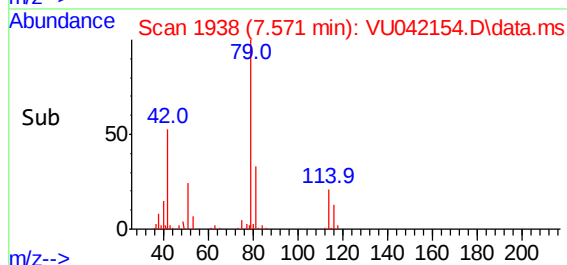
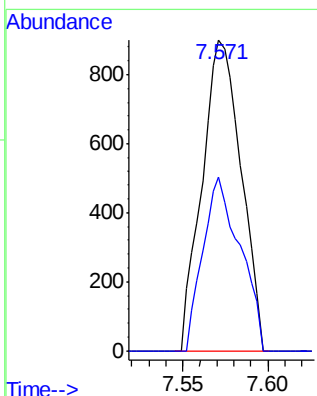
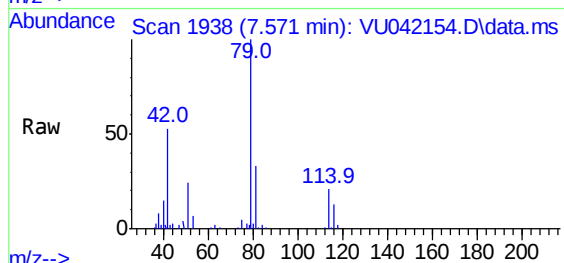




#39
cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

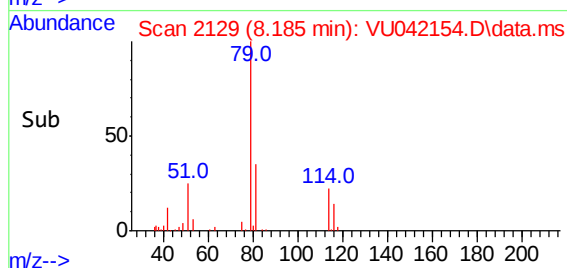
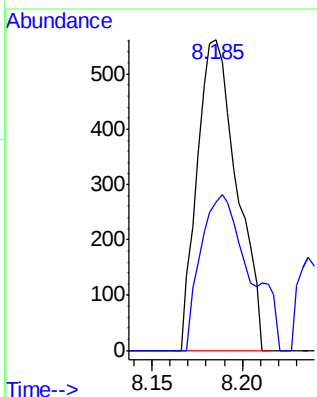
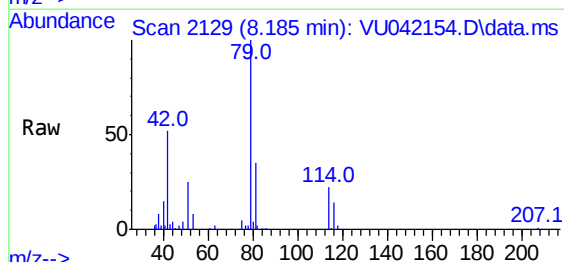
Instrument :
MSVOA_U
ClientSampleId :
BFT98

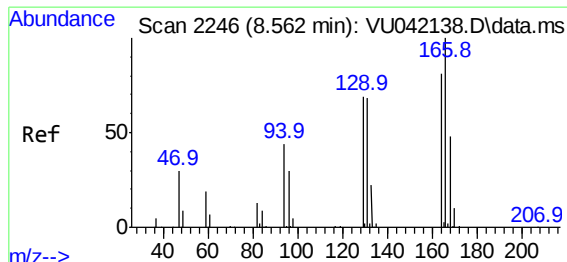
Tgt Ion: 75 Resp: 1441
Ion Ratio Lower Upper
75 100
77 55.8 22.0 40.8#



#44
trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.032 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

Tgt Ion: 75 Resp: 850
Ion Ratio Lower Upper
75 100
77 47.5 21.8 40.4#





#47

Tetrachloroethene

Concen: 0.46 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. -0.000 min

Lab File: VU042154.D

Acq: 21 Jan 2021 16:33

Tgt Ion: 164 Resp: 3025

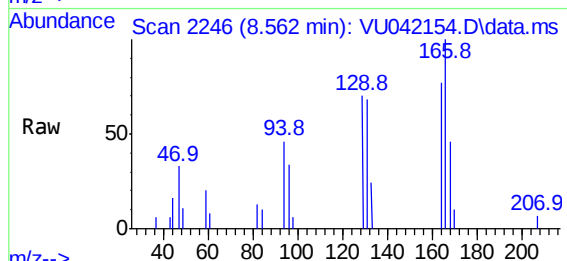
Ion Ratio Lower Upper

164 100

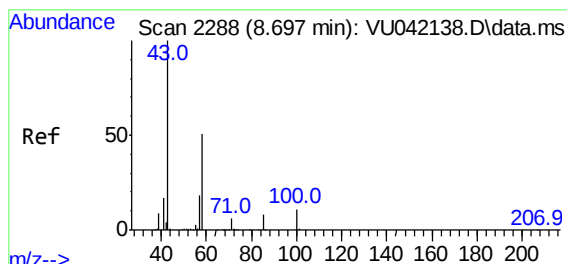
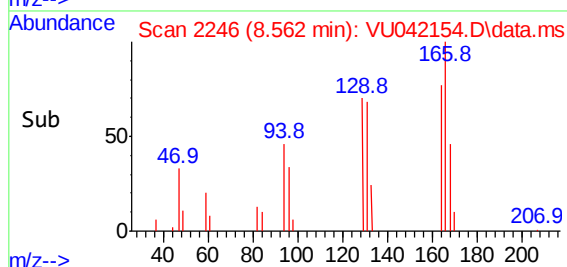
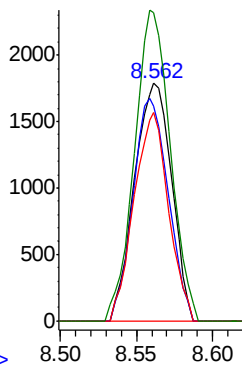
129 90.7 64.3 119.5

131 88.0 62.2 115.6

166 129.7 88.6 164.6



Abundance



#48

2-Hexanone

Concen: 0.59 ug/L

RT: 8.690 min Scan# 2286

Delta R.T. -0.007 min

Lab File: VU042154.D

Acq: 21 Jan 2021 16:33

Tgt Ion: 43 Resp: 2673

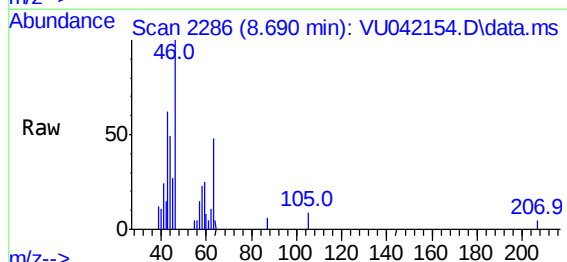
Ion Ratio Lower Upper

43 100

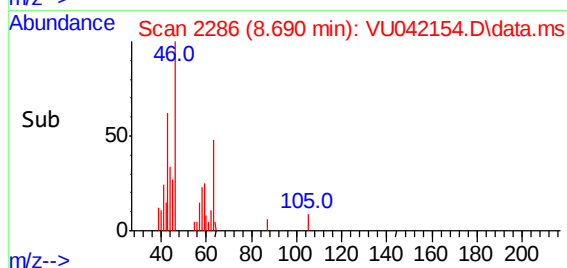
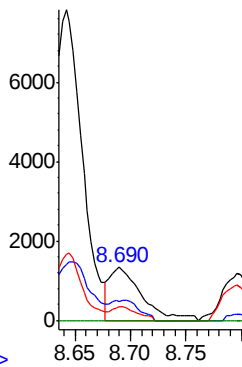
58 34.3 40.6 61.0#

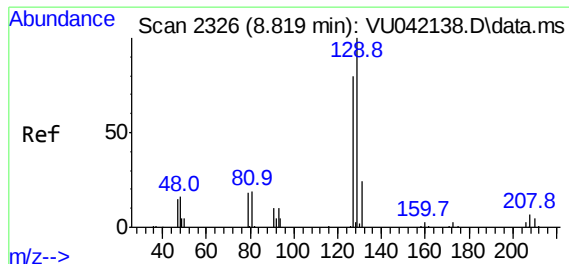
57 21.0 14.9 22.3

100 0.0 8.6 12.8#



Abundance

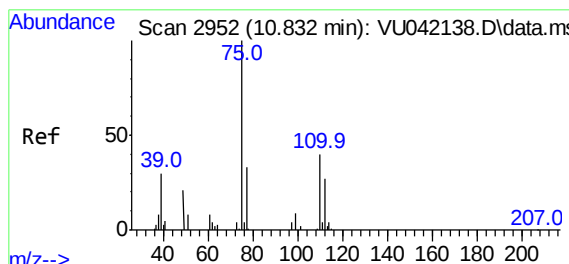
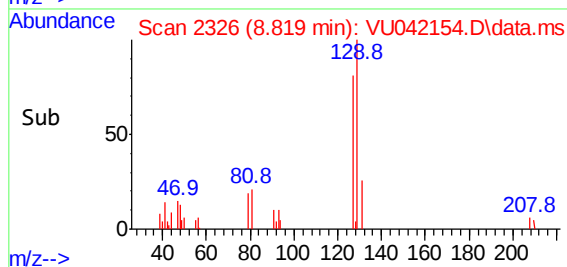
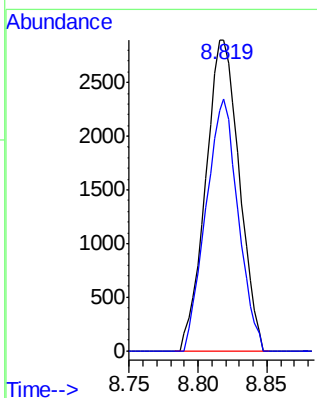
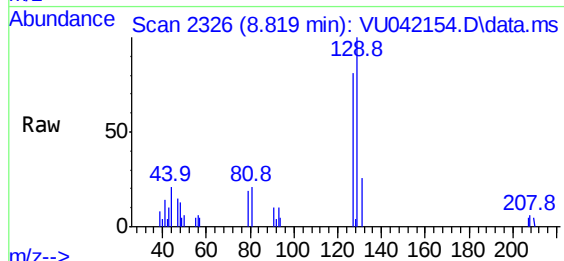




#49
Dibromochloromethane
Concen: 0.65 ug/L
RT: 8.819 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

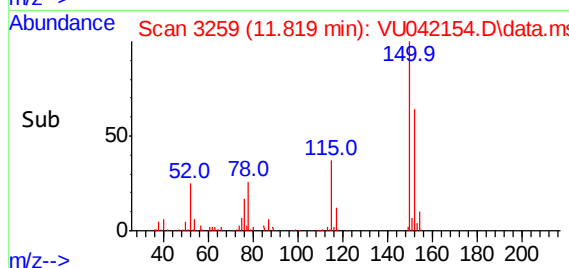
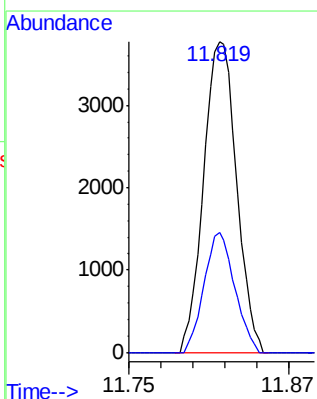
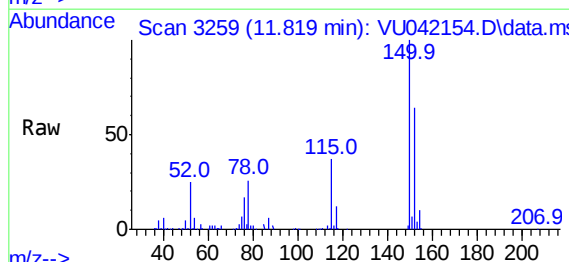
Instrument :
MSVOA_U
ClientSampleId :
BFT98

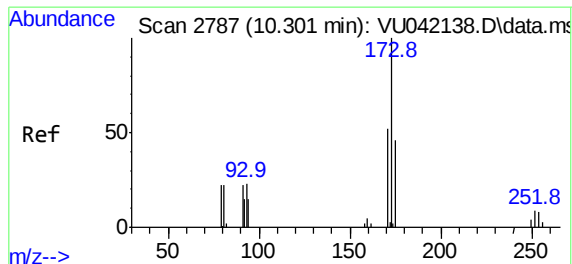
Tgt Ion:129 Resp: 4904
Ion Ratio Lower Upper
129 100
127 81.0 52.3 97.1



#59
1,2,3-Trichloropropane
Concen: 1.15 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

Tgt Ion: 75 Resp: 6243
Ion Ratio Lower Upper
75 100
77 35.9 26.0 39.0

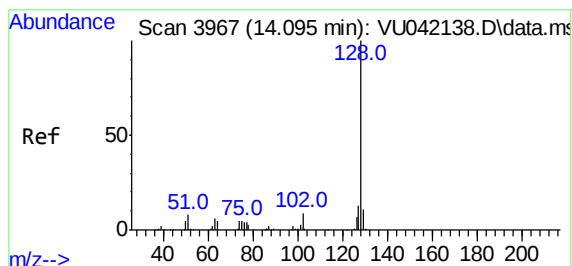
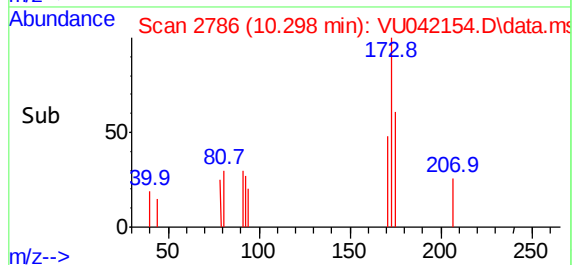
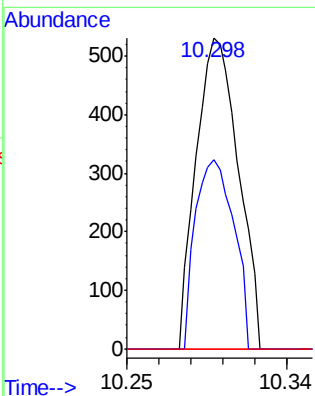
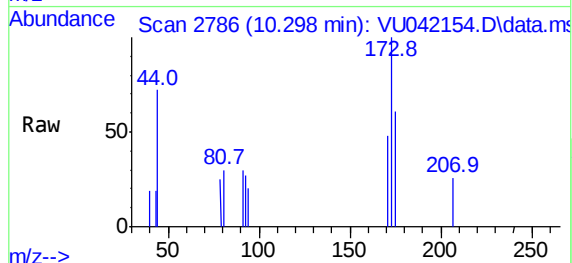




#61
Bromoform
Concen: 0.18 ug/L
RT: 10.298 min Scan# 2786
Delta R.T. -0.003 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

Instrument :
MSVOA_U
ClientSampleId :
BFT98

Tgt Ion:173 Resp: 857
Ion Ratio Lower Upper
173 100
175 55.4 38.7 58.1
254 0.0 7.9 11.9#



#69
Naphthalene
Concen: 0.15 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. -0.000 min
Lab File: VU042154.D
Acq: 21 Jan 2021 16:33

Tgt Ion:128 Resp: 2193
Ion Ratio Lower Upper
128 100
129 7.3 8.7 13.1#
127 11.3 10.6 15.8

