

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012021\
 Data File : VU042103.D
 Acq On : 20 Jan 2021 14:11
 Operator : SY/MD
 Sample : M1164-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXQ1

Quant Time: Jan 21 04:20:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 21 04:09:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	133880	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	124308	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	64194	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	41949	4.86	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	97.20%		
7) Chloroethane-d5	1.916	69	29947	4.31	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	86.20%		
11) 1,1-Dichloroethene-d2	2.571	63	67246	3.53	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	70.60%		
20) 2-Butanone-d5	4.649	46	151506	48.08	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	96.16%		
24) Chloroform-d	5.073	84	81458	4.52	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	90.40%		
26) 1,2-Dichloroethane-d4	5.713	65	49707	4.61	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	92.20%		
32) Benzene-d6	5.735	84	158777	4.89	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	97.80%		
36) 1,2-Dichloropropane-d6	6.700	67	51902	4.96	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	99.20%		
41) Toluene-d8	7.906	98	145032	4.73	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	94.60%		
43) trans-1,3-Dichloroprop...	8.189	79	25201	4.75	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	95.00%		
46) 2-Hexanone-d5	8.645	63	112474	48.67	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	97.34%		
57) 1,1,2,2-Tetrachloroeth...	10.764	84	42382	4.72	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	94.40%		
64) 1,2-Dichlorobenzene-d4	12.205	152	56858	4.93	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	98.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	20963	1.66	ug/L	97
3) Chloromethane	1.520	50	859	0.08	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	437	0.05	ug/L #	18
12) 1,1-Dichloroethene	2.575	96	1054	0.12	ug/L #	1
13) Acetone	2.658	43	3312	1.58	ug/L	100
17) Methyl tert-butyl Ether	3.372	73	955891	36.40	ug/L	100
19) 1,1-Dichloroethane	3.877	63	15860	0.89	ug/L	96
25) Chloroform	5.099	83	5728	0.31	ug/L	89
27) 1,2-Dichloroethane	5.742	62	1024	0.08	ug/L #	75
33) Benzene	5.784	78	1384	0.04	ug/L	100
34) Trichloroethene	6.549	95	5808	0.59	ug/L	96
35) Methylcyclohexane	6.700	83	12424	0.75	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	5908	0.61	ug/L #	87
39) cis-1,3-Dichloropropene	7.574	75	1632	0.10	ug/L #	46
42) Toluene	7.976	91	3199	0.08	ug/L	99
44) trans-1,3-Dichloropropene	8.192	75	1110	0.08	ug/L #	40
47) Tetrachloroethene	8.562	164	3914	0.48	ug/L	91
49) Dibromochloromethane	8.562	129	3378	0.36	ug/L #	12
53) m,p-Xylene	9.703	106	992	0.06	ug/L	64
59) 1,2,3-Trichloropropane	11.822	75	7102	1.04	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012021\
Data File : VU042103.D
Acq On : 20 Jan 2021 14:11
Operator : SY/MD
Sample : M1164-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXQ1

Quant Time: Jan 21 04:20:59 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jan 21 04:09:50 2021
Response via : Initial Calibration

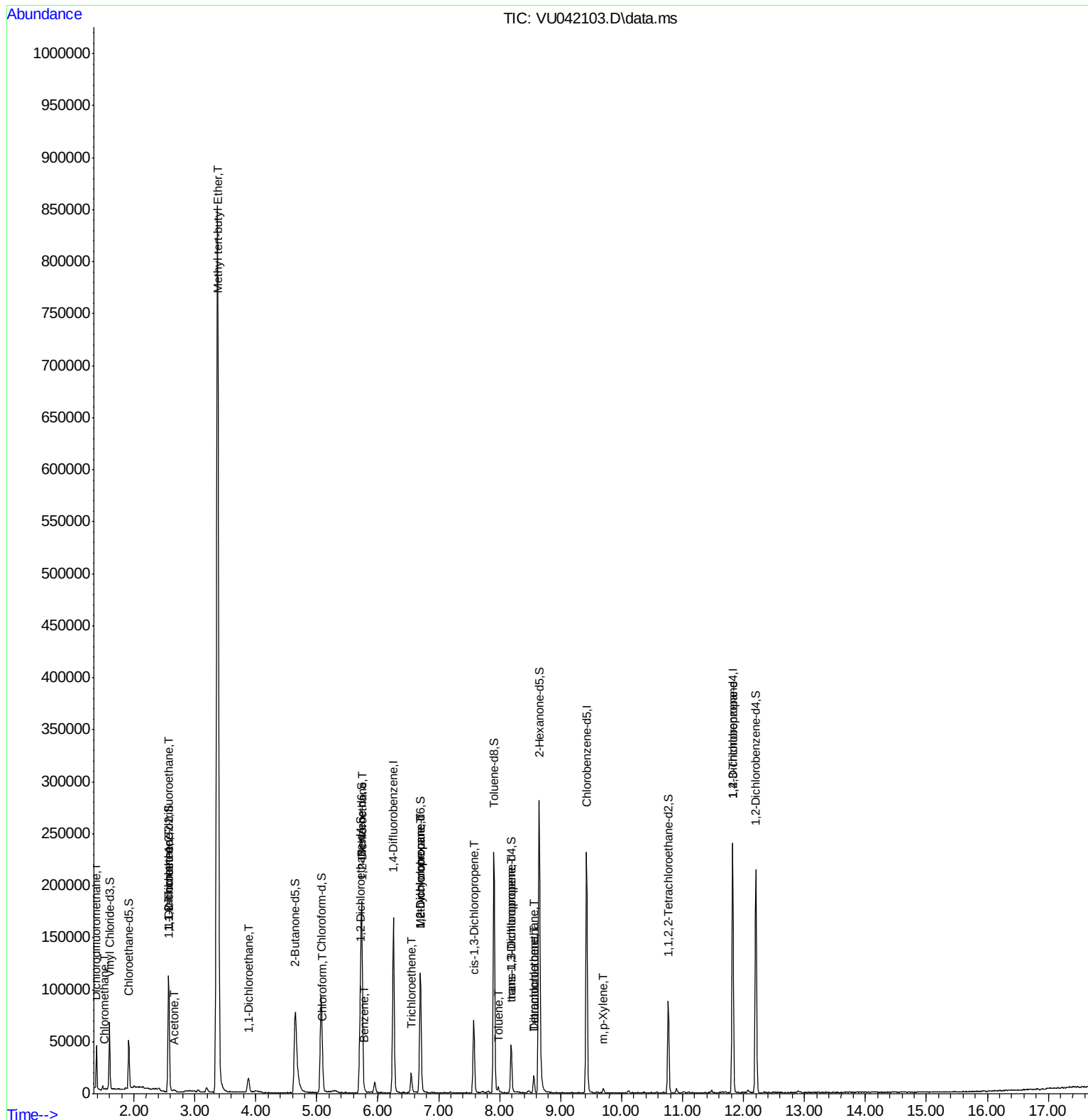
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

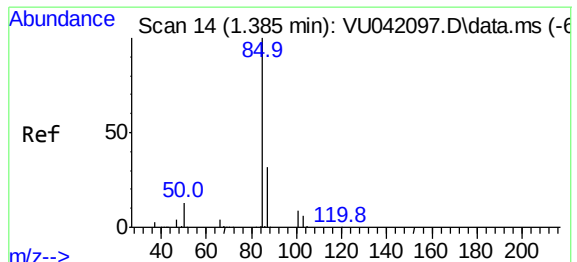
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012021\
Data File : VU042103.D
Acq On : 20 Jan 2021 14:11
Operator : SY/MD
Sample : M1164-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFXQ1

Quant Time: Jan 21 04:20:59 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jan 21 04:09:50 2021
Response via : Initial Calibration

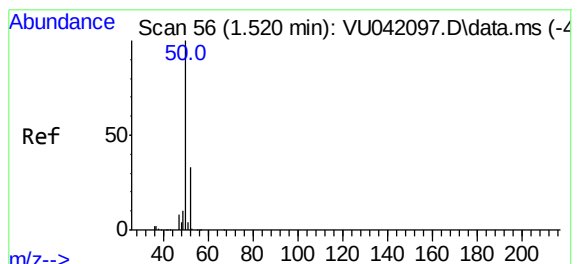
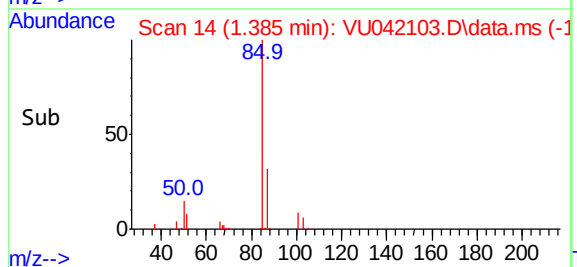
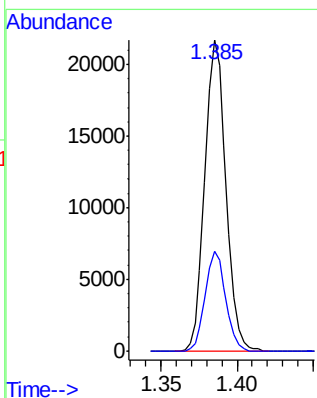
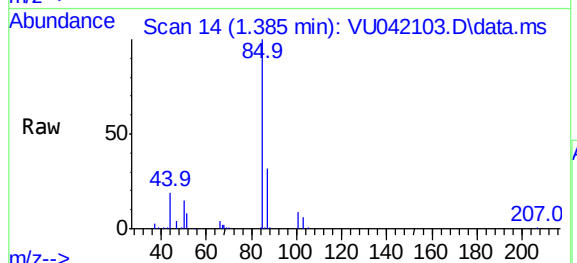




#2
Dichlorodifluoromethane
Concen: 1.66 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU042103.D
Acq: 20 Jan 2021 14:11

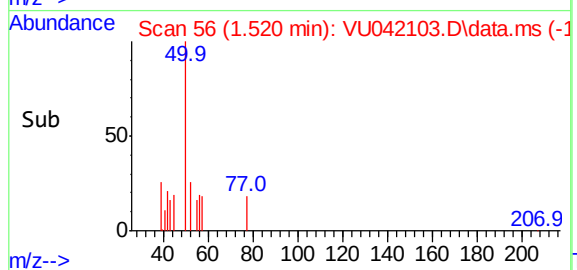
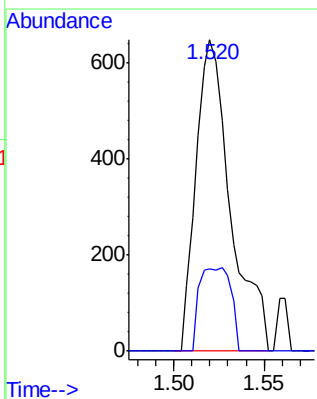
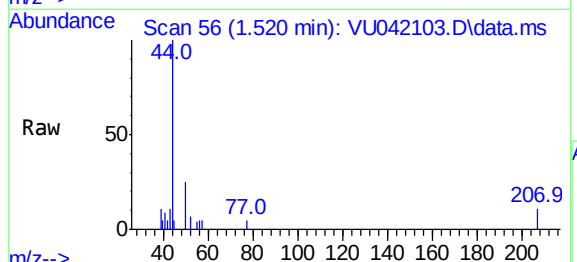
Instrument :
MSVOA_U
ClientSampleId :
BFXQ1

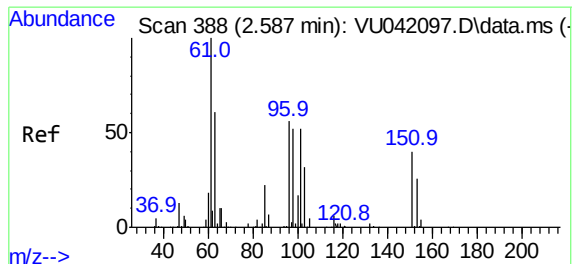
Tgt Ion: 85 Resp: 20963
Ion Ratio Lower Upper
85 100
87 31.0 26.1 39.1



#3
Chloromethane
Concen: 0.08 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU042103.D
Acq: 20 Jan 2021 14:11

Tgt Ion: 50 Resp: 859
Ion Ratio Lower Upper
50 100
52 26.3 23.0 42.8

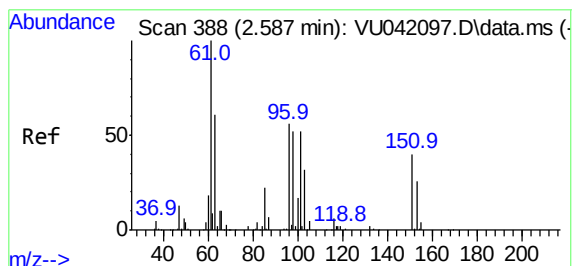
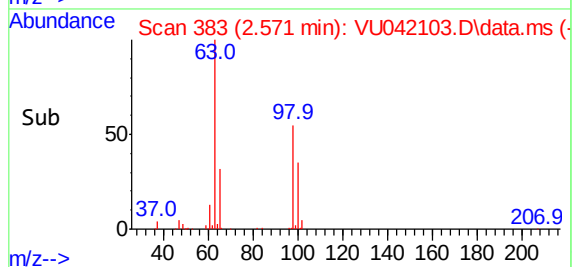
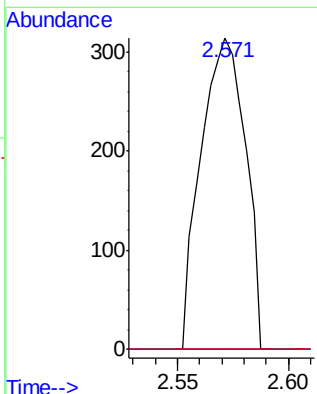
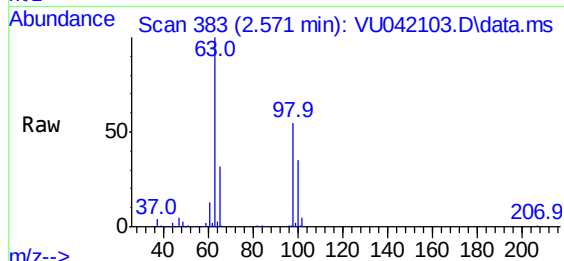




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.05 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU042103.D
 Acq: 20 Jan 2021 14:11

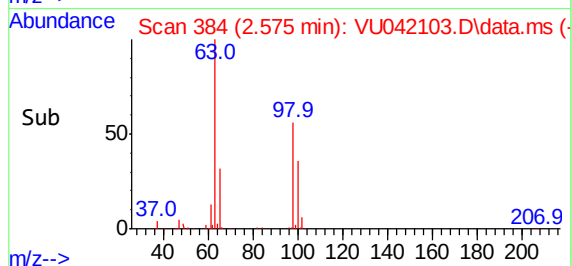
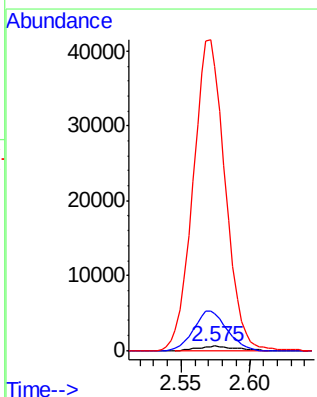
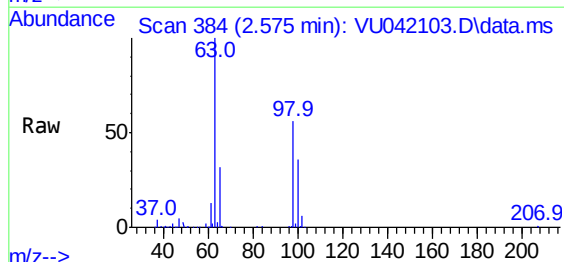
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXQ1

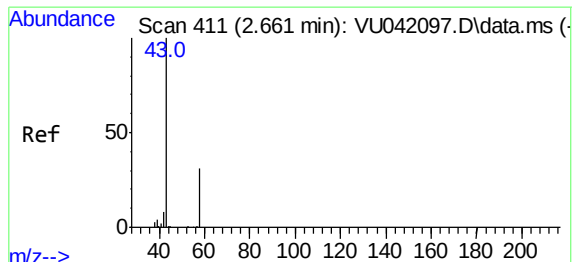
Tgt Ion:101 Resp: 437
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 0.12 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU042103.D
 Acq: 20 Jan 2021 14:11

Tgt Ion: 96 Resp: 1054
 Ion Ratio Lower Upper
 96 100
 61 890.1 126.2 234.4#
 63 6812.2 77.8 144.4#

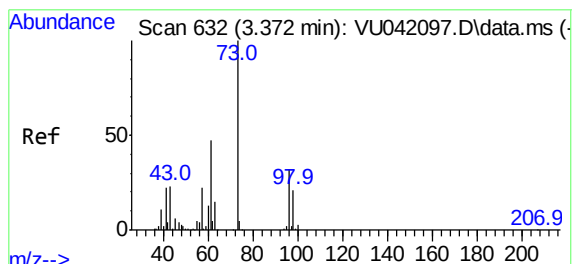
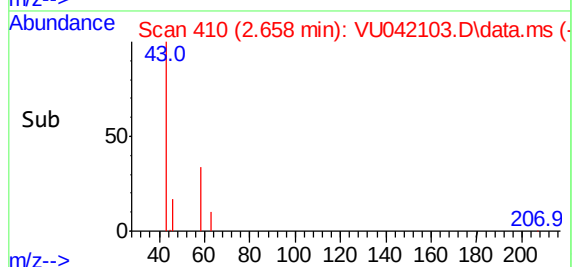
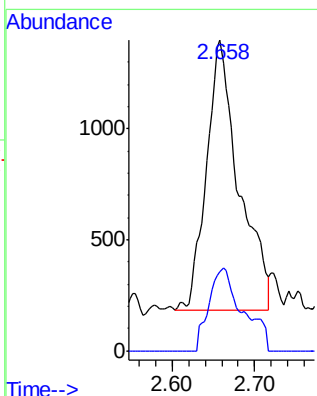
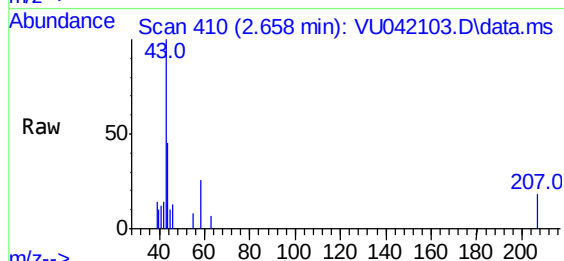




#13
Acetone
Concen: 1.58 ug/L
RT: 2.658 min Scan# 410
Delta R.T. -0.003 min
Lab File: VU042103.D
Acq: 20 Jan 2021 14:11

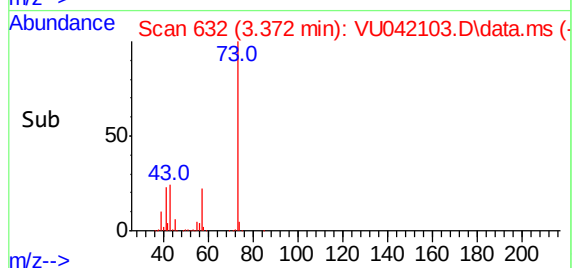
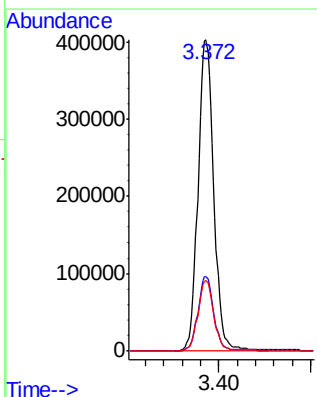
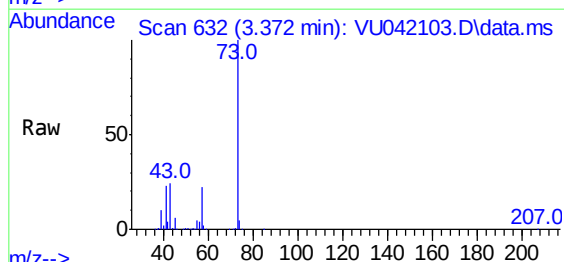
Instrument :
MSVOA_U
ClientSampleId :
BFXQ1

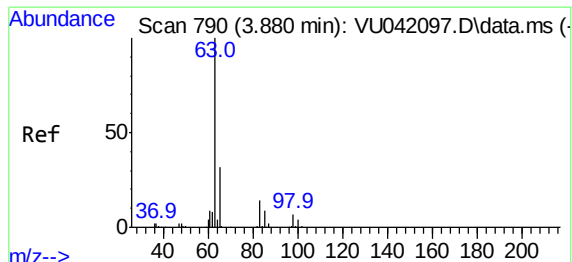
Tgt Ion: 43 Resp: 3312
Ion Ratio Lower Upper
43 100
58 27.7 0.0 55.8



#17
Methyl tert-butyl Ether
Concen: 36.40 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.000 min
Lab File: VU042103.D
Acq: 20 Jan 2021 14:11

Tgt Ion: 73 Resp: 955891
Ion Ratio Lower Upper
73 100
43 23.7 18.9 28.3
57 22.4 18.2 27.4

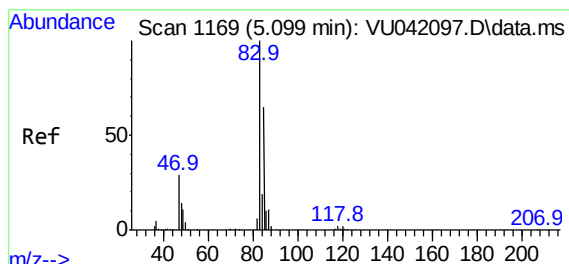
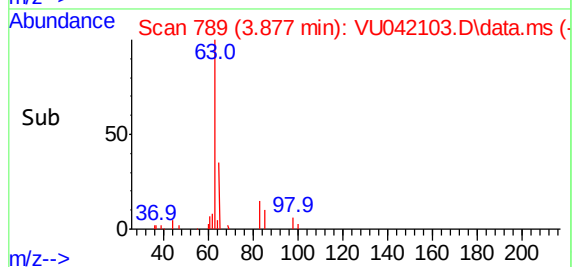
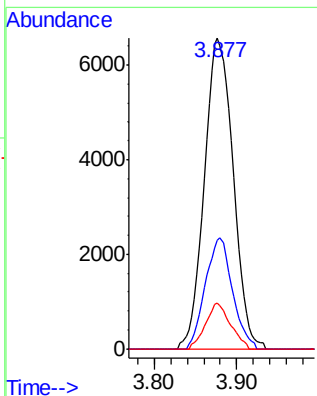
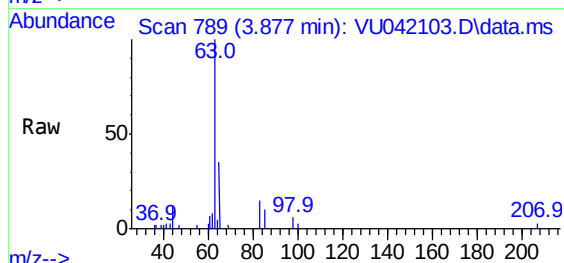




#19
1,1-Dichloroethane
Concen: 0.89 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.003 min
Lab File: VU042103.D
Acq: 20 Jan 2021 14:11

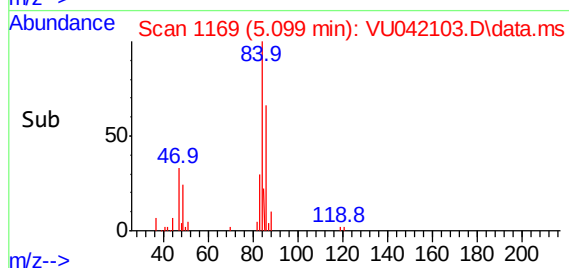
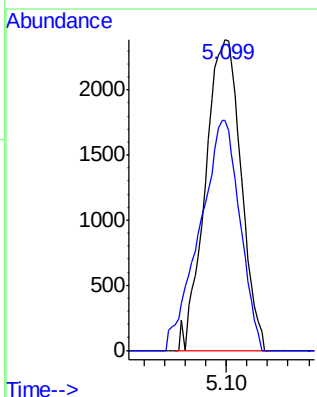
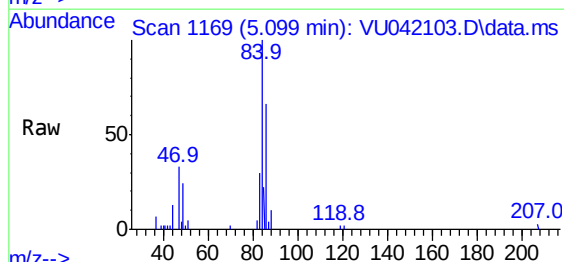
Instrument :
MSVOA_U
ClientSampleId :
BFXQ1

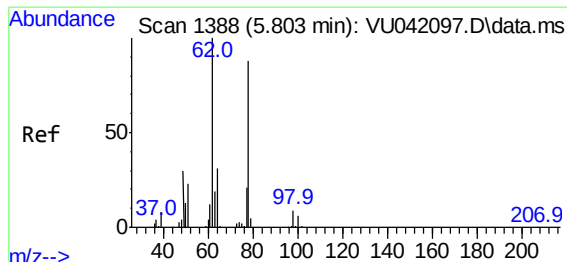
Tgt Ion: 63 Resp: 15860
Ion Ratio Lower Upper
63 100
65 35.0 22.5 41.9
83 14.9 10.1 18.7



#25
Chloroform
Concen: 0.31 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU042103.D
Acq: 20 Jan 2021 14:11

Tgt Ion: 83 Resp: 5728
Ion Ratio Lower Upper
83 100
85 73.9 45.7 84.9

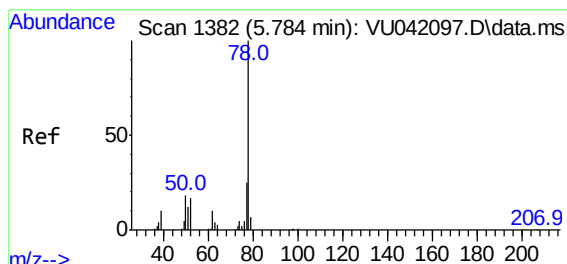
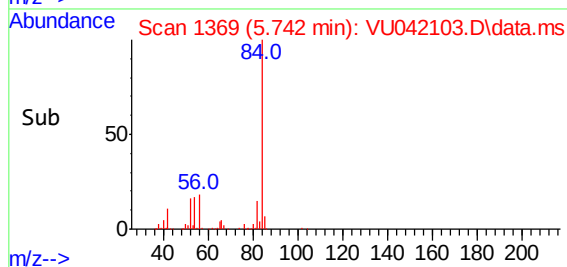
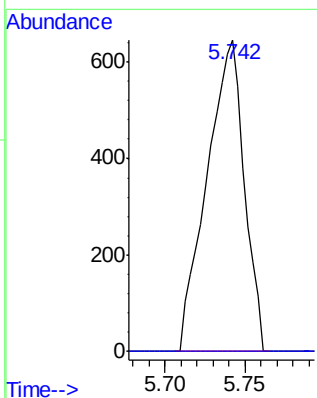
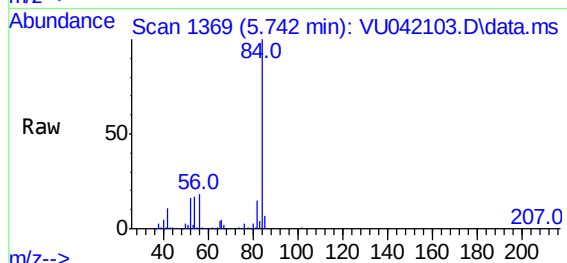




#27
1,2-Dichloroethane
Concen: 0.08 ug/L
RT: 5.742 min Scan# 1369
Delta R.T. -0.061 min
Lab File: VU042103.D
Acq: 20 Jan 2021 14:11

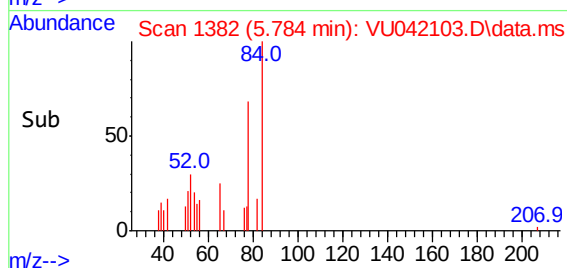
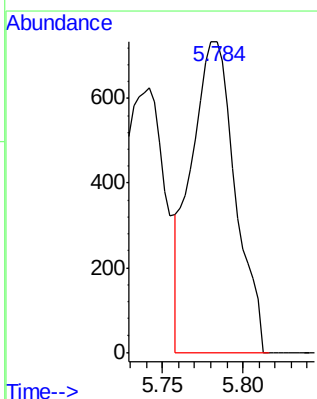
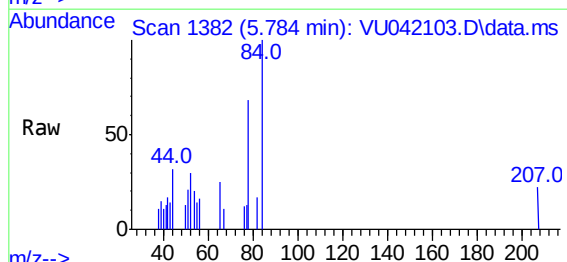
Instrument :
MSVOA_U
ClientSampleId :
BFXQ1

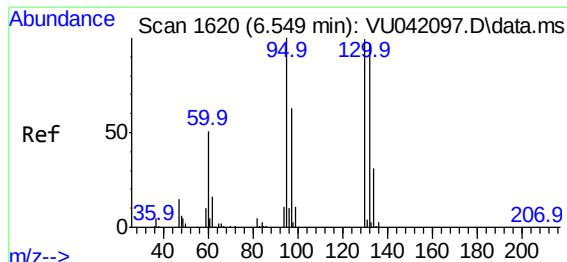
Tgt Ion: 62 Resp: 1024
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#33
Benzene
Concen: 0.04 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU042103.D
Acq: 20 Jan 2021 14:11

Tgt Ion: 78 Resp: 1384





#34

Trichloroethene

Concen: 0.59 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VU042103.D

Acq: 20 Jan 2021 14:11

Instrument :

MSVOA_U

ClientSampleId :

BFXQ1

Tgt Ion: 95 Resp: 5808

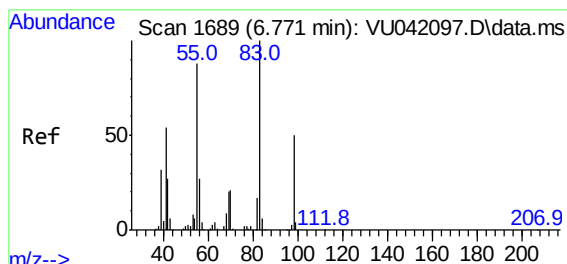
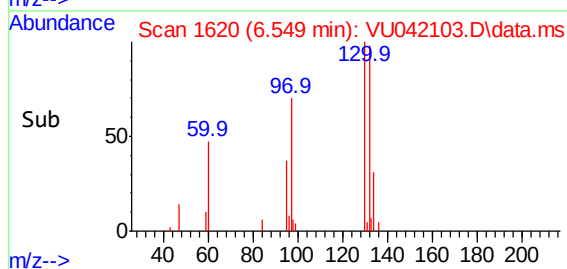
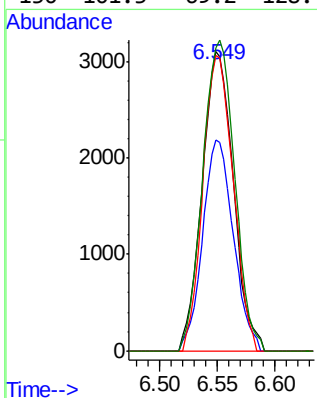
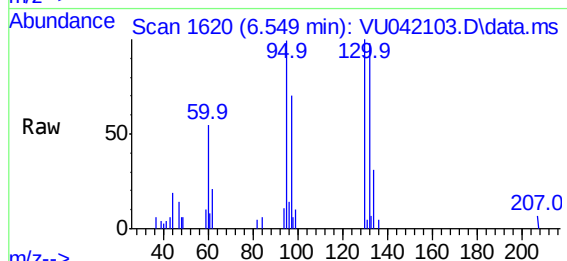
Ion Ratio Lower Upper

95 100

97 70.7 44.4 82.4

132 98.9 68.0 126.4

130 101.3 69.2 128.4



#35

Methylcyclohexane

Concen: 0.75 ug/L

RT: 6.700 min Scan# 1667

Delta R.T. -0.071 min

Lab File: VU042103.D

Acq: 20 Jan 2021 14:11

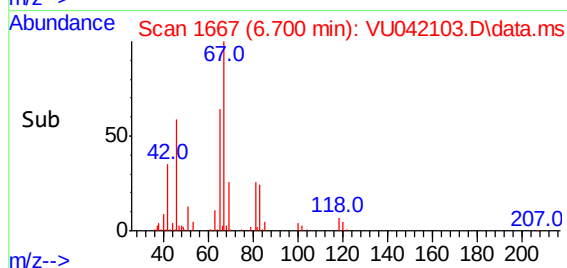
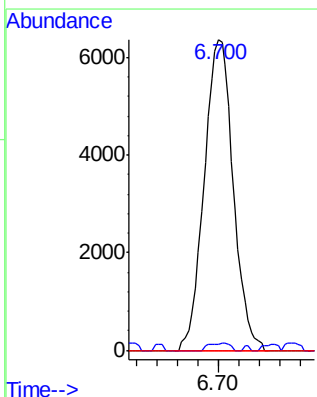
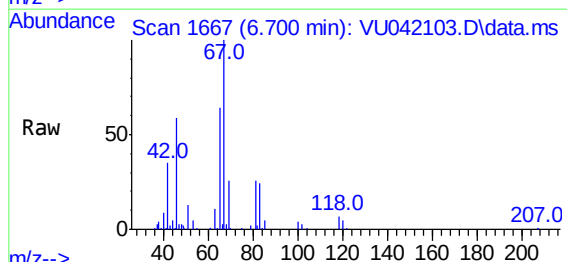
Tgt Ion: 83 Resp: 12424

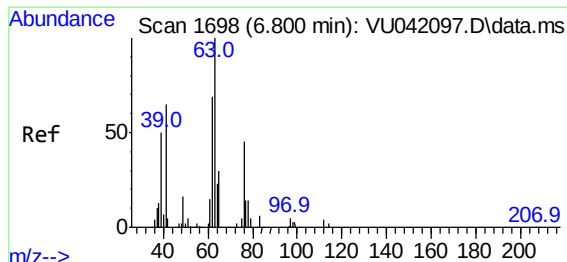
Ion Ratio Lower Upper

83 100

55 1.8 68.2 102.4#

98 0.0 39.7 59.5#

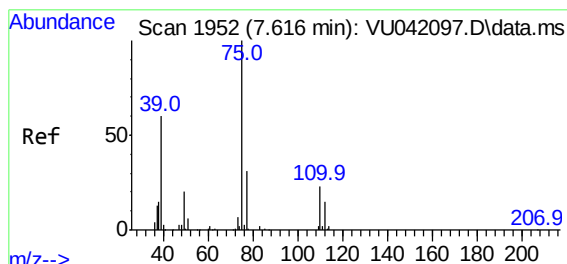
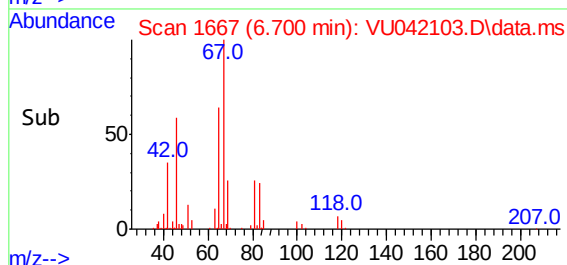
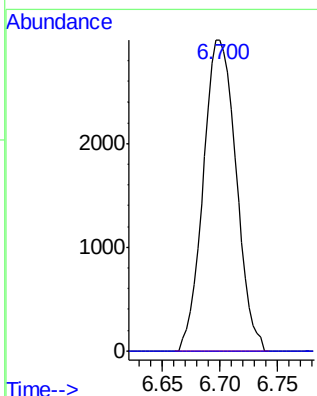
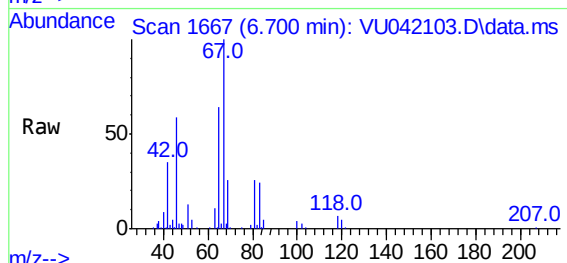




#37
1,2-Dichloropropane
Concen: 0.61 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042103.D
Acq: 20 Jan 2021 14:11

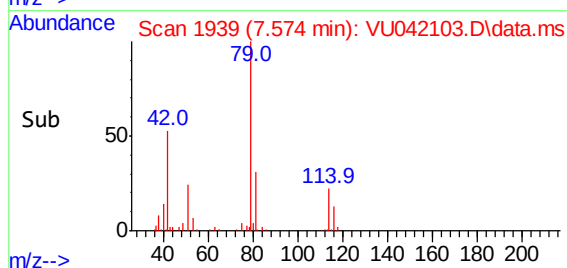
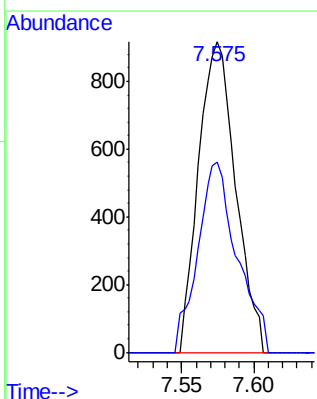
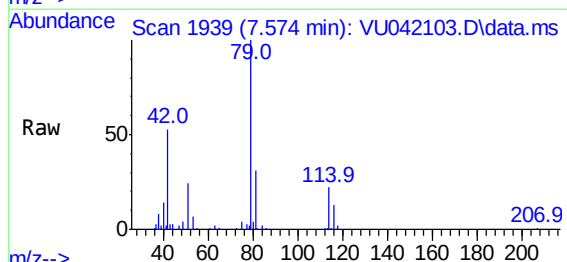
Instrument :
MSVOA_U
ClientSampleId :
BFXQ1

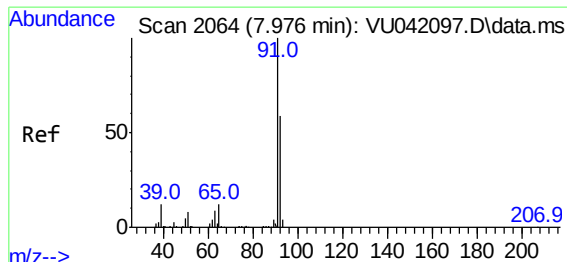
Tgt Ion: 63 Resp: 5908
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042103.D
Acq: 20 Jan 2021 14:11

Tgt Ion: 75 Resp: 1632
Ion Ratio Lower Upper
75 100
77 61.2 22.0 40.8#





#42

Toluene

Concen: 0.08 ug/L

RT: 7.976 min Scan# 2064

Delta R.T. 0.000 min

Lab File: VU042103.D

Acq: 20 Jan 2021 14:11

Instrument :

MSVOA_U

ClientSampleId :

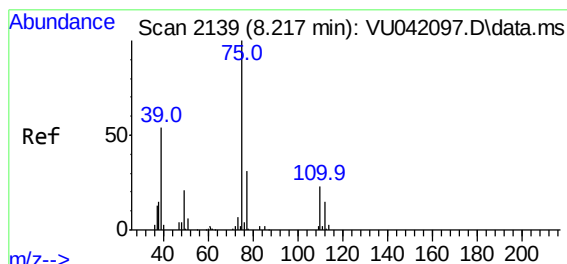
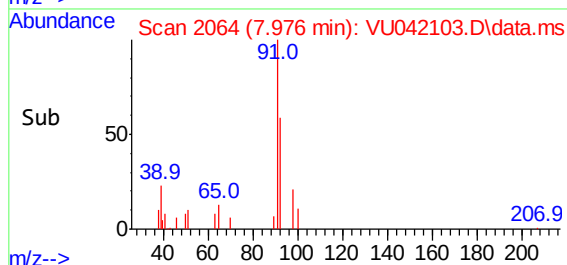
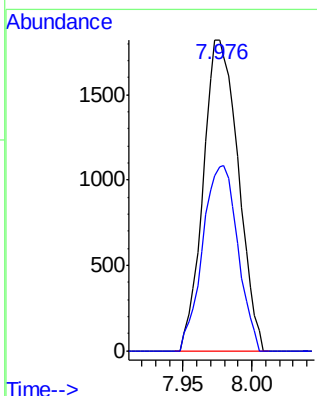
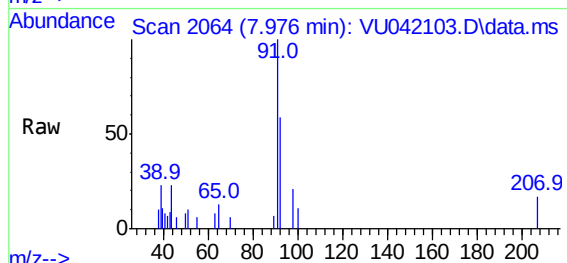
BFXQ1

Tgt Ion: 91 Resp: 3199

Ion Ratio Lower Upper

91 100

92 59.3 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 0.08 ug/L

RT: 8.192 min Scan# 2131

Delta R.T. -0.026 min

Lab File: VU042103.D

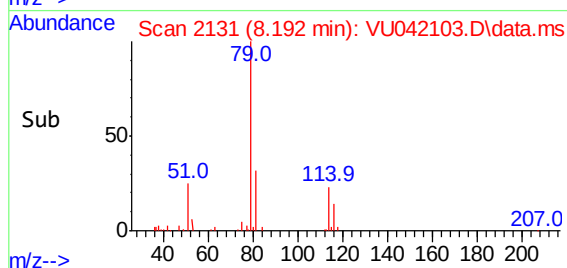
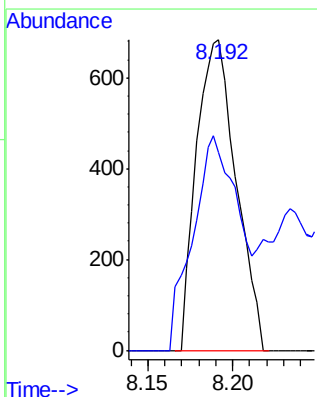
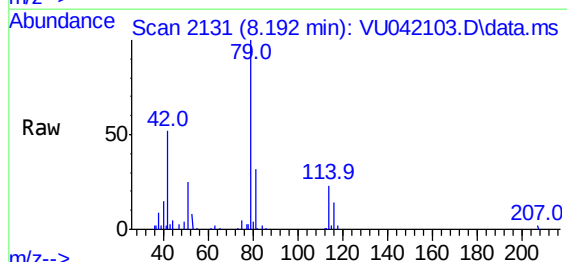
Acq: 20 Jan 2021 14:11

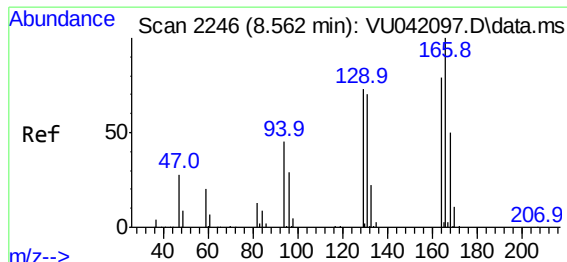
Tgt Ion: 75 Resp: 1110

Ion Ratio Lower Upper

75 100

77 63.9 21.8 40.4#





#47

Tetrachloroethene

Concen: 0.48 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. 0.000 min

Lab File: VU042103.D

Acq: 20 Jan 2021 14:11

Tgt Ion:164 Resp: 3914

Ion Ratio Lower Upper

164 100

129 84.0 64.3 119.5

131 81.4 62.2 115.6

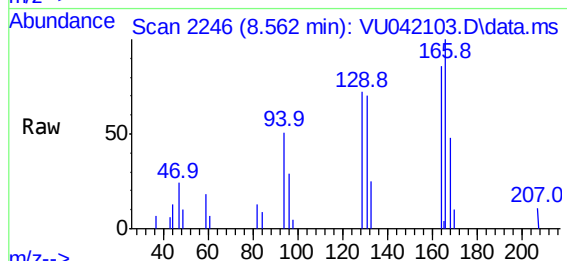
166 116.2 88.6 164.6

Instrument :

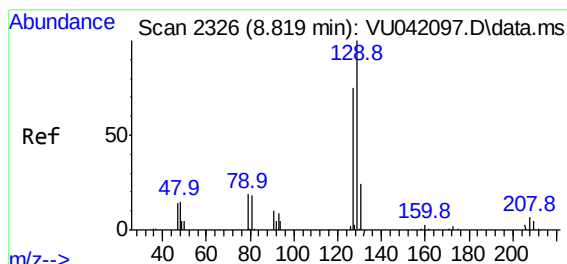
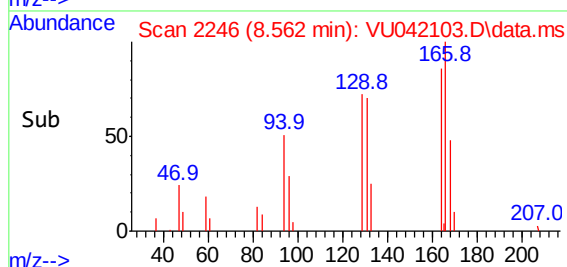
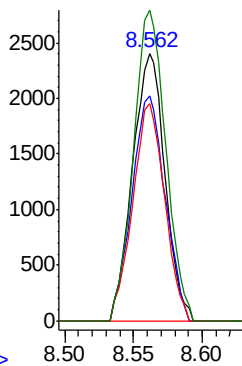
MSVOA_U

ClientSampleId :

BFXQ1



Abundance



#49

Dibromochloromethane

Concen: 0.36 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. -0.257 min

Lab File: VU042103.D

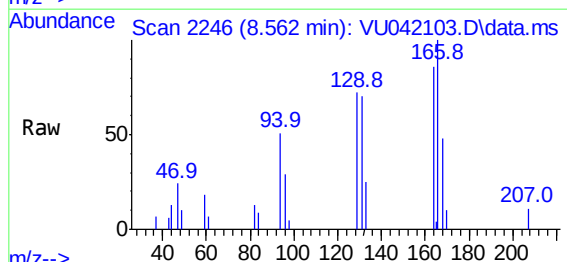
Acq: 20 Jan 2021 14:11

Tgt Ion:129 Resp: 3378

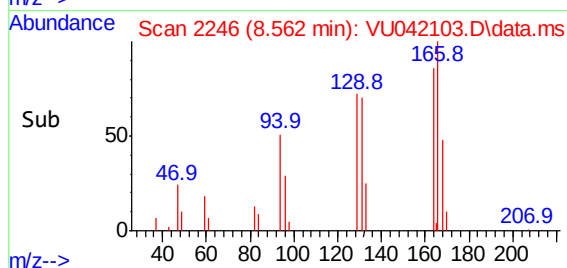
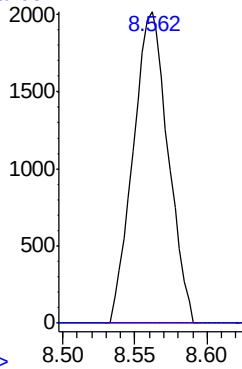
Ion Ratio Lower Upper

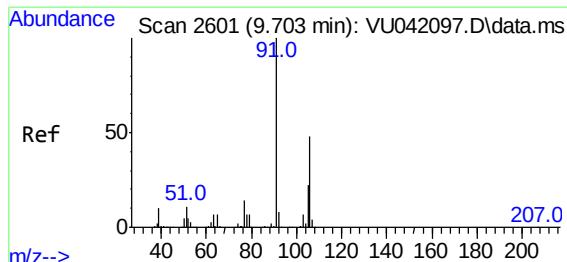
129 100

127 0.0 52.3 97.1#



Abundance





#53

m,p-Xylene

Concen: 0.06 ug/L

RT: 9.703 min Scan# 2601

Delta R.T. 0.000 min

Lab File: VU042103.D

Acq: 20 Jan 2021 14:11

Tgt Ion:106 Resp: 992

Ion Ratio Lower Upper

106 100

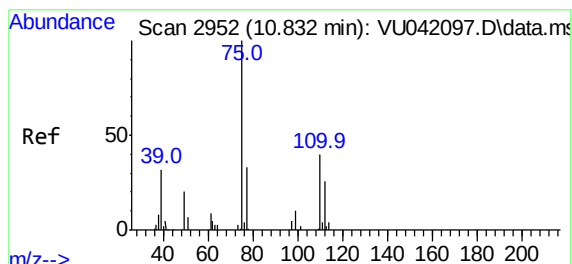
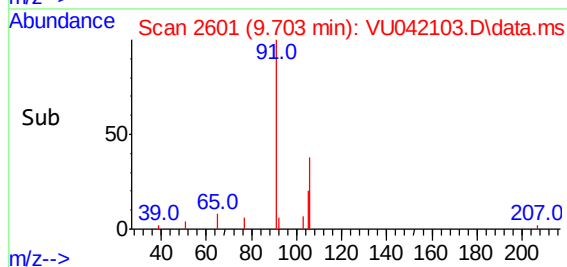
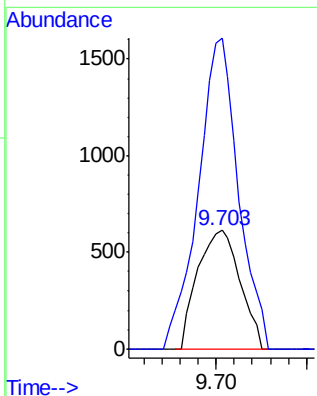
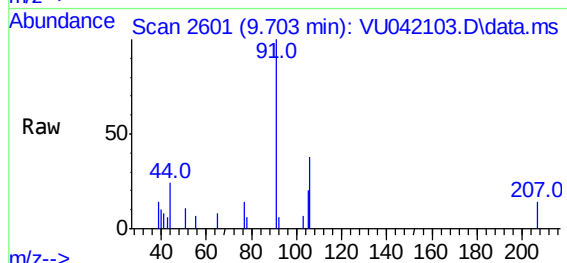
91 262.5 145.1 269.5

Instrument :

MSVOA_U

ClientSampleId :

BFXQ1



#59

1,2,3-Trichloropropane

Concen: 1.04 ug/L

RT: 11.822 min Scan# 3260

Delta R.T. 0.990 min

Lab File: VU042103.D

Acq: 20 Jan 2021 14:11

Tgt Ion: 75 Resp: 7102

Ion Ratio Lower Upper

75 100

77 35.0 26.0 39.0

