

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012021\
 Data File : VU042104.D
 Acq On : 20 Jan 2021 14:35
 Operator : SY/MD
 Sample : M1164-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXT5

Quant Time: Jan 21 04:21:26 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	117824	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	109255	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	55925	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	23218	3.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.00%
7) Chloroethane-d5	1.916	69	26307	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.572	63	48555	2.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.00%#
20) 2-Butanone-d5	4.649	46	212594	76.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	153.32%#
24) Chloroform-d	5.073	84	83274	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.710	65	53714	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.20%
32) Benzene-d6	5.735	84	147159	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.700	67	51286	5.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.40%
41) Toluene-d8	7.906	98	127873	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloroprop...	8.189	79	23760	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	8.645	63	159409	78.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	156.98%#
57) 1,1,2,2-Tetrachloroeth...	10.764	84	51091	6.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	129.40%#
64) 1,2-Dichlorobenzene-d4	12.201	152	54615	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	3238	0.29	ug/L	100
3) Chloromethane	1.523	50	914	0.09	ug/L	98
5) Vinyl chloride	1.604	62	850	0.09	ug/L #	33
12) 1,1-Dichloroethene	2.581	96	1314	0.16	ug/L #	1
13) Acetone	2.665	43	5032	2.72	ug/L	77
16) Methylene chloride	3.051	84	2836	0.30	ug/L	93
17) Methyl tert-butyl Ether	3.372	73	36613	1.58	ug/L	98
18) trans-1,2-Dichloroethene	3.363	96	574	0.07	ug/L	75
22) cis-1,2-Dichloroethene	4.674	96	9955	1.10	ug/L	93
25) Chloroform	5.099	83	1992	0.12	ug/L	96
27) 1,2-Dichloroethane	5.800	62	1610	0.14	ug/L #	75
33) Benzene	5.781	78	1554	0.05	ug/L	100
34) Trichloroethene	6.549	95	585260	67.50	ug/L	99
35) Methylcyclohexane	6.700	83	12799	0.88	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	5995	0.71	ug/L #	87
39) cis-1,3-Dichloropropene	7.575	75	1697	0.12	ug/L #	73
42) Toluene	7.977	91	4237	0.12	ug/L	99
44) trans-1,3-Dichloropropene	8.189	75	1025	0.08	ug/L #	52
47) Tetrachloroethene	8.562	164	8907	1.24	ug/L	94
48) 2-Hexanone	8.645	43	20554	4.08	ug/L #	70

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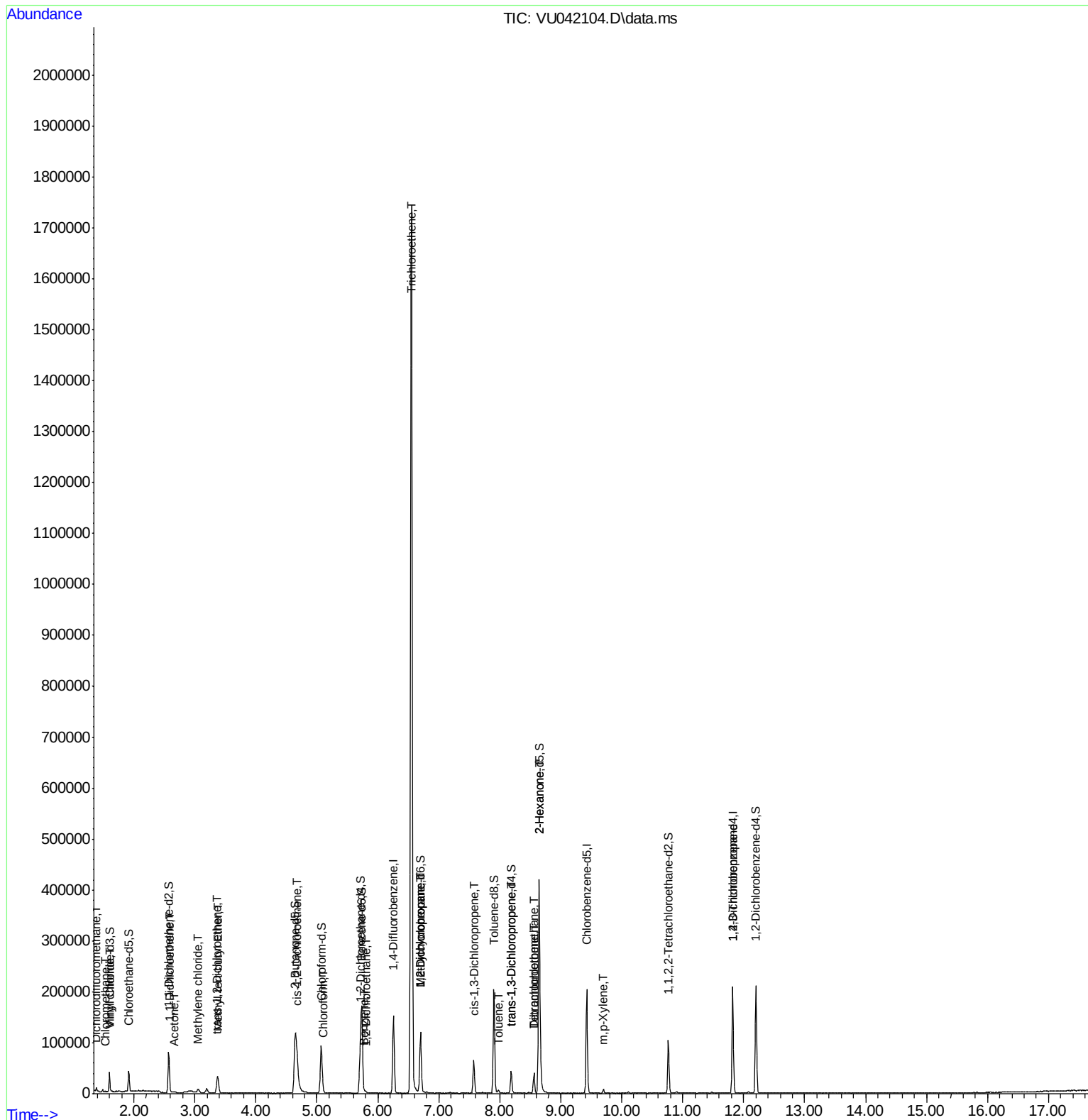
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.559	129	8097	0.97	ug/L #	12
53) m,p-Xylene	9.700	106	1997	0.13	ug/L	99
59) 1,2,3-Trichloropropane	11.822	75	6591	1.10	ug/L	99

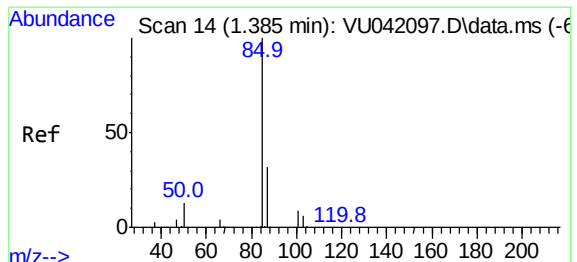
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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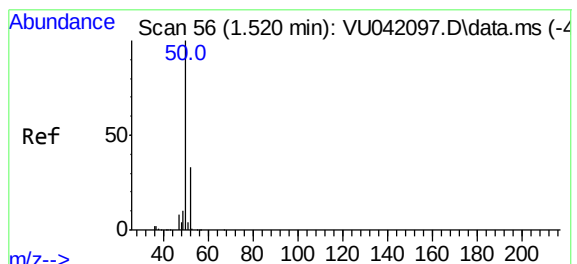
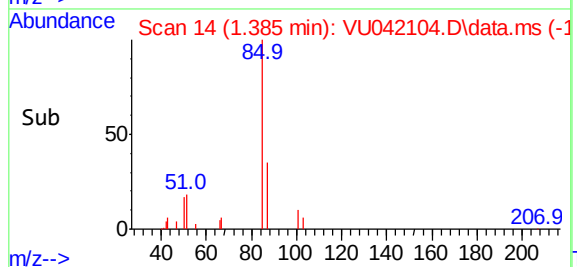
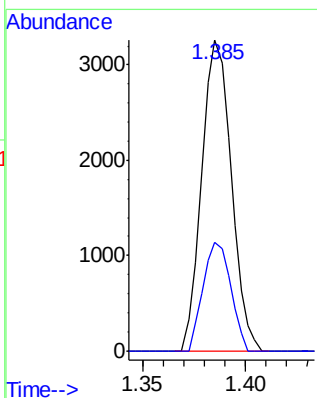
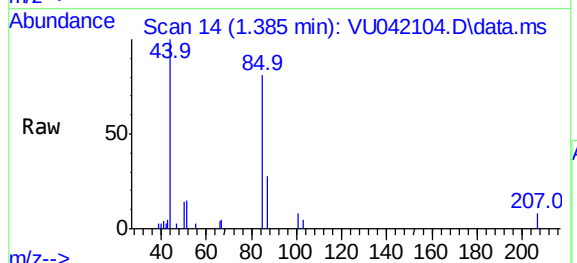




#2
Dichlorodifluoromethane
Concen: 0.29 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

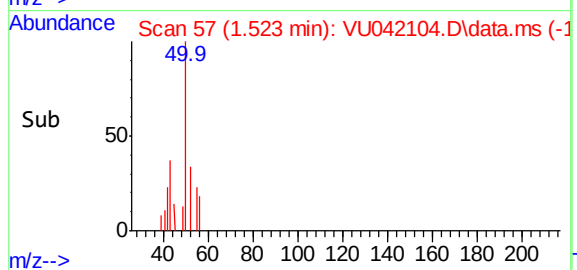
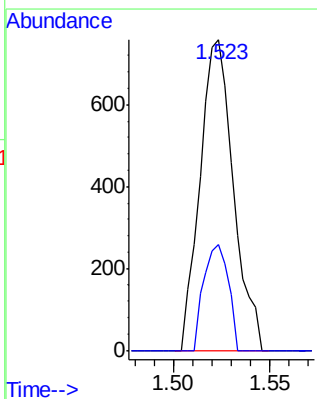
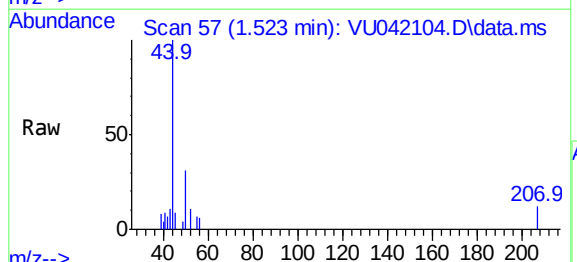
Instrument :
MSVOA_U
ClientSampled :
BFXT5

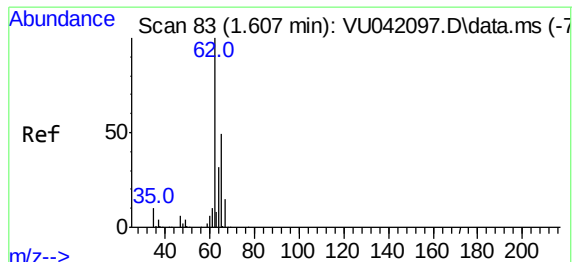
Tgt Ion: 85 Resp: 3238
Ion Ratio Lower Upper
85 100
87 32.5 26.1 39.1



#3
Chloromethane
Concen: 0.09 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

Tgt Ion: 50 Resp: 914
Ion Ratio Lower Upper
50 100
52 34.3 23.0 42.8

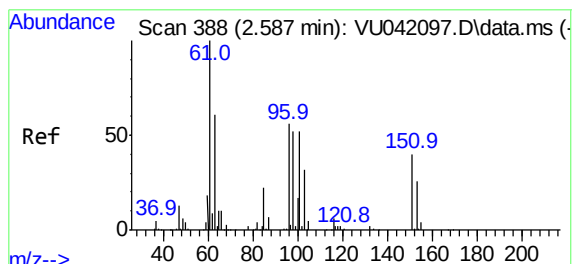
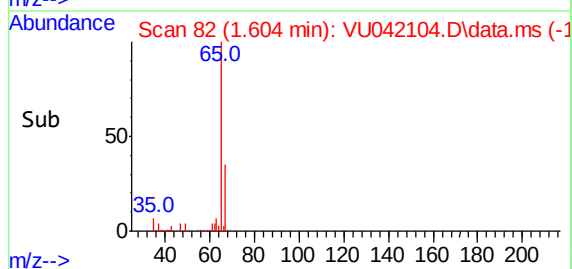
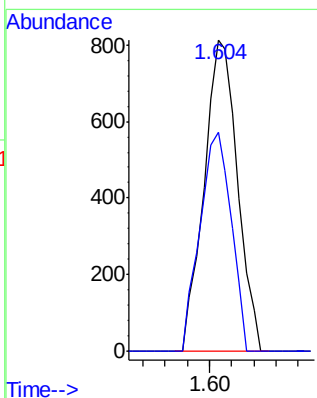
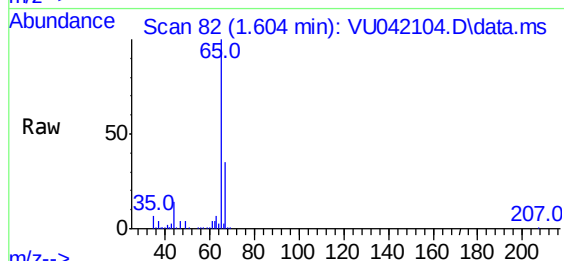




#5
Vinyl chloride
Concen: 0.09 ug/L
RT: 1.604 min Scan# 82
Delta R.T. -0.003 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

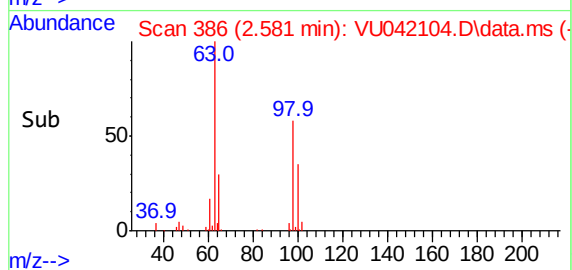
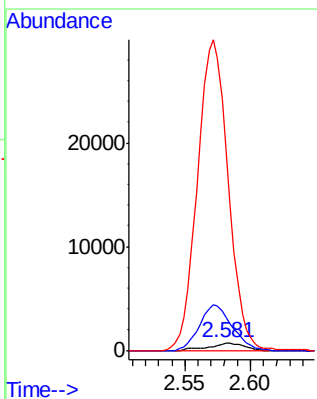
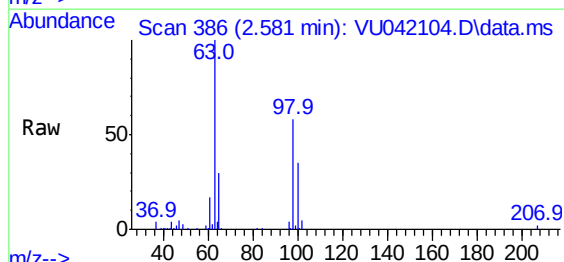
Instrument :
MSVOA_U
ClientSampleId :
BFXT5

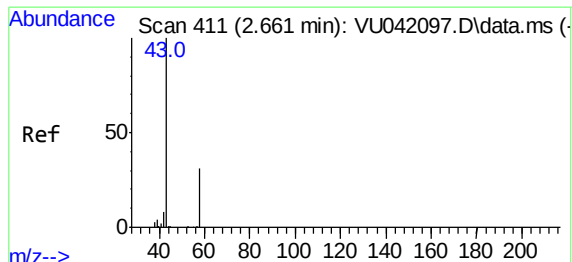
Tgt Ion: 62 Resp: 850
Ion Ratio Lower Upper
62 100
64 70.2 22.7 42.1#



#12
1,1-Dichloroethene
Concen: 0.16 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.006 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

Tgt Ion: 96 Resp: 1314
Ion Ratio Lower Upper
96 100
61 447.2 126.2 234.4#
63 2704.0 77.8 144.4#

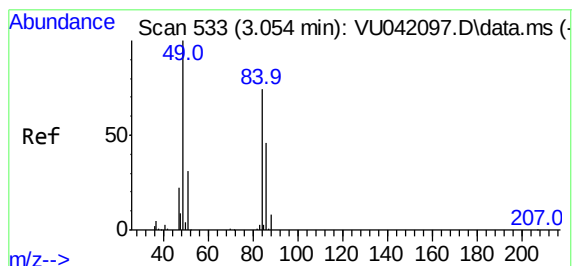
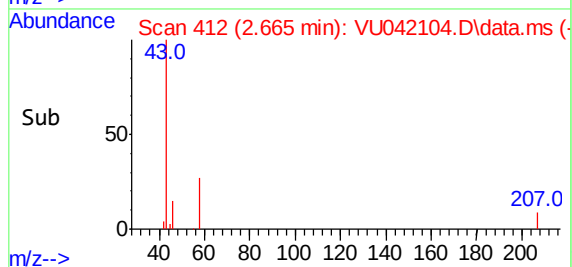
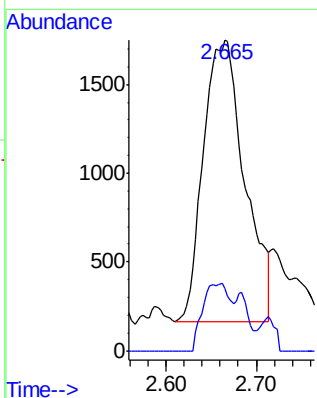
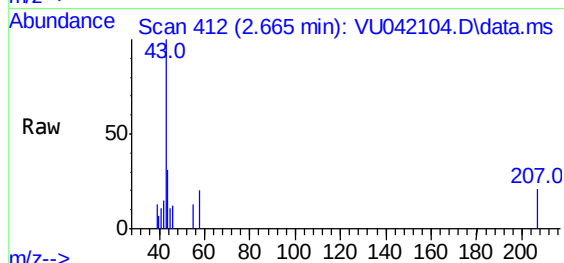




#13
Acetone
Concen: 2.72 ug/L
RT: 2.665 min Scan# 412
Delta R.T. 0.003 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

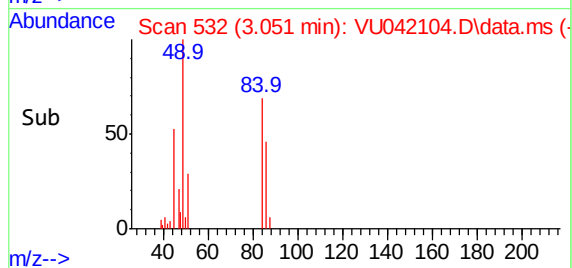
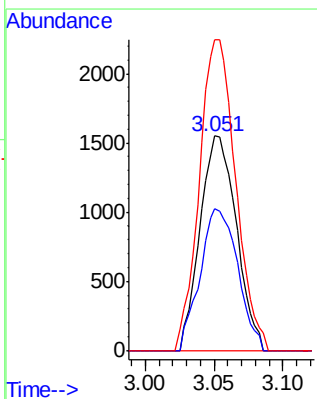
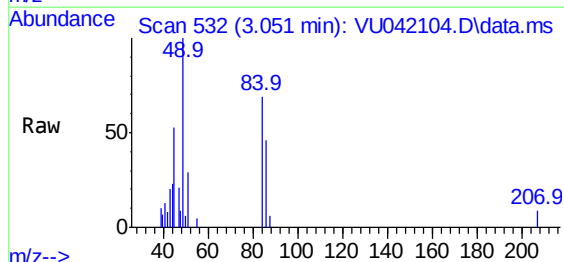
Instrument :
MSVOA_U
ClientSampleId :
BFXT5

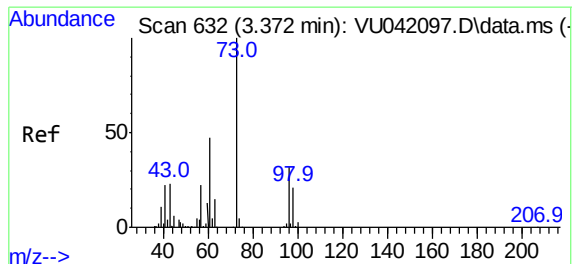
Tgt Ion: 43 Resp: 5032
Ion Ratio Lower Upper
43 100
58 15.9 0.0 55.8



#16
Methylene chloride
Concen: 0.30 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

Tgt Ion: 84 Resp: 2836
Ion Ratio Lower Upper
84 100
86 66.2 44.1 81.9
49 144.9 95.0 176.4

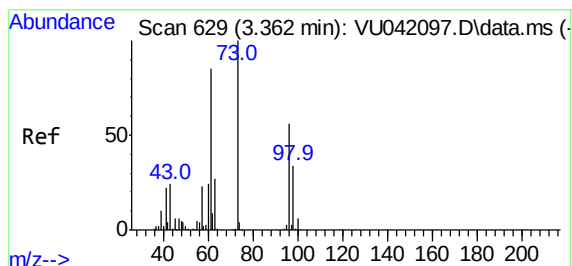
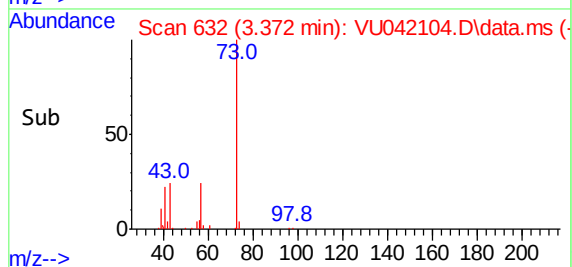
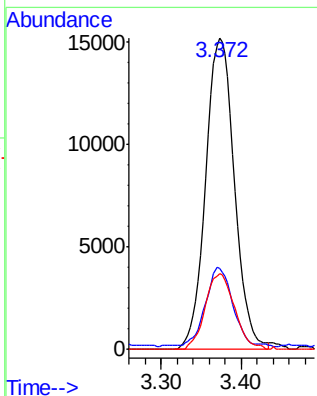
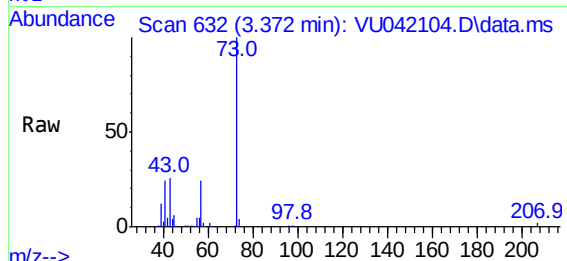




#17
Methyl tert-butyl Ether
Concen: 1.58 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.000 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

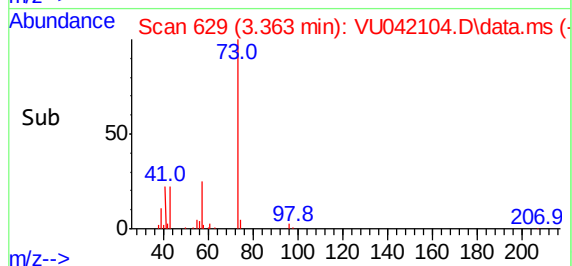
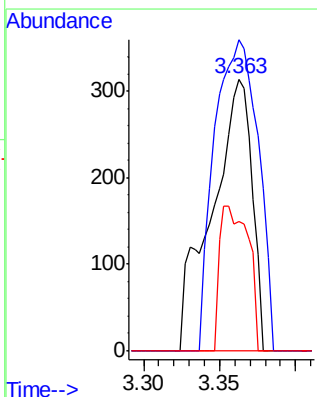
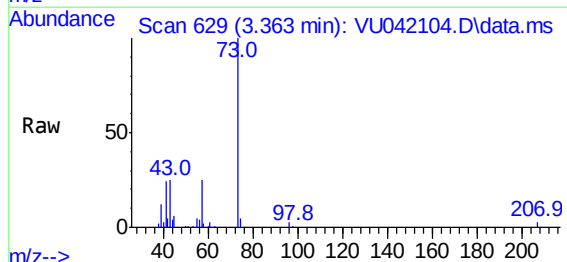
Instrument :
MSVOA_U
ClientSampleId :
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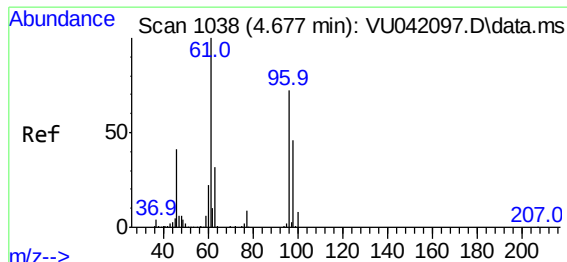
Tgt Ion: 73 Resp: 36613
Ion Ratio Lower Upper
73 100
43 23.4 18.9 28.3
57 24.5 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 0.07 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

Tgt Ion: 96 Resp: 574
Ion Ratio Lower Upper
96 100
61 114.6 105.7 196.3
98 47.8 42.8 79.6



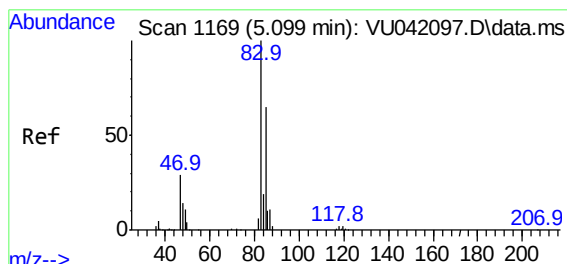
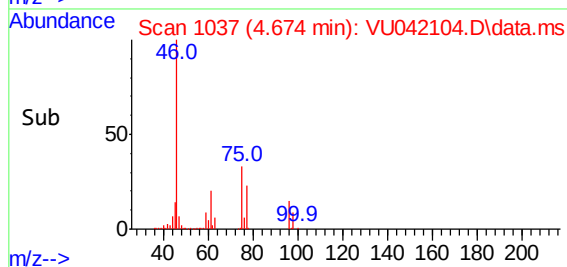
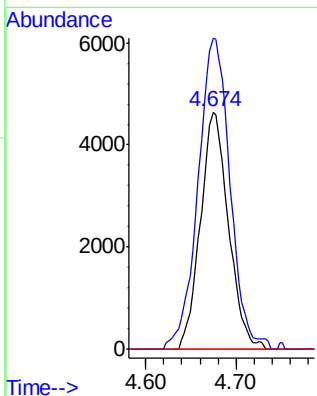
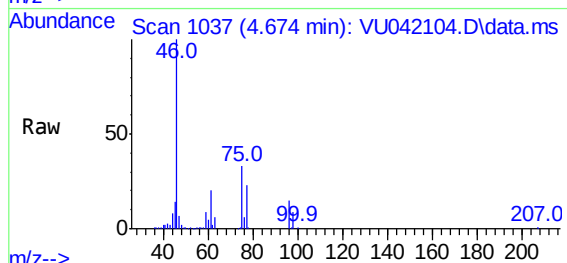


#22
cis-1,2-Dichloroethene
Concen: 1.10 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.003 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 96 Resp: 9955

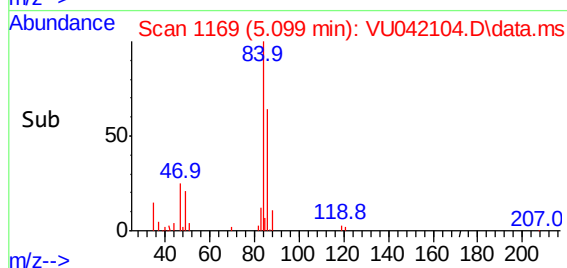
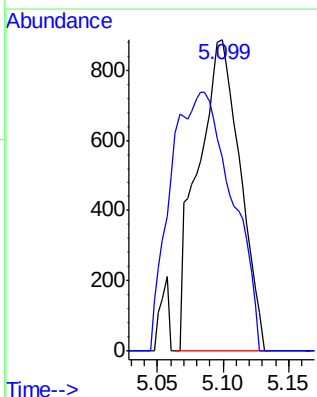
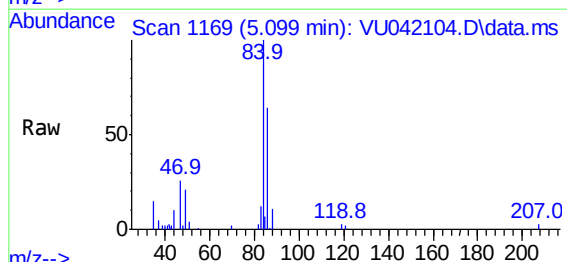
Ion	Ratio	Lower	Upper
96	100		
61	131.1	97.8	181.6
68	0.0	0.0	0.0

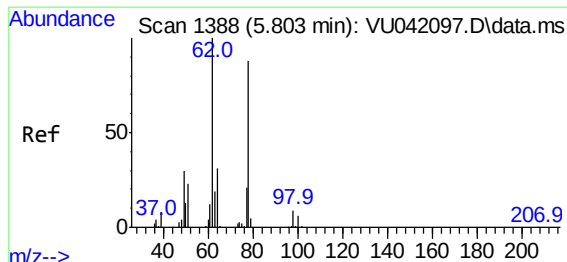


#25
Chloroform
Concen: 0.12 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

Tgt Ion: 83 Resp: 1992

Ion	Ratio	Lower	Upper
83	100		
85	62.0	45.7	84.9

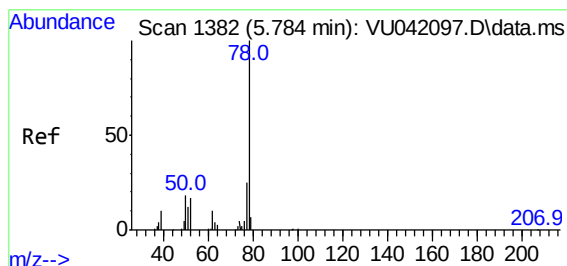
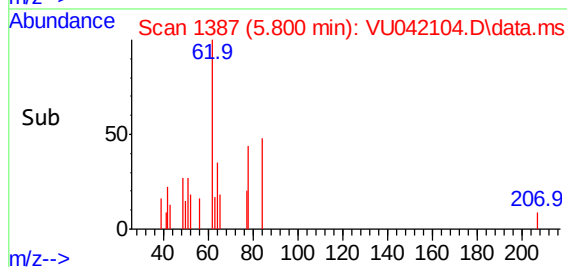
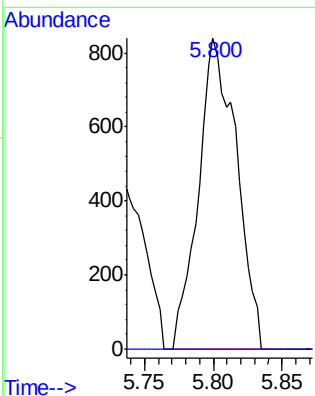
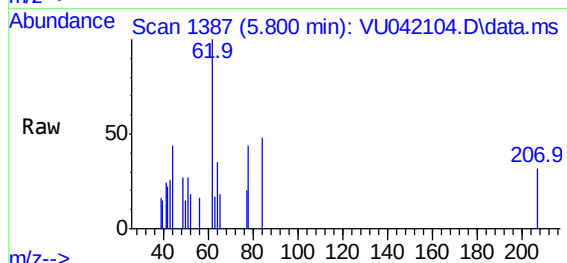




#27
1,2-Dichloroethane
Concen: 0.14 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. -0.003 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

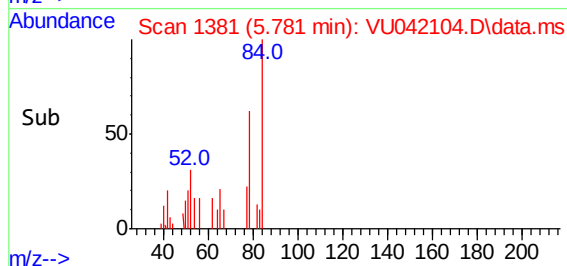
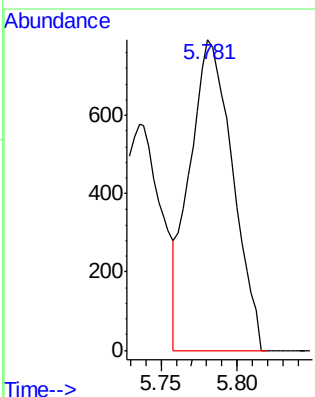
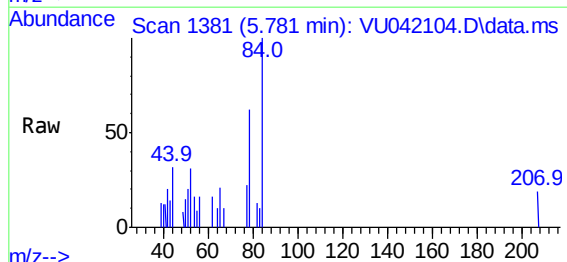
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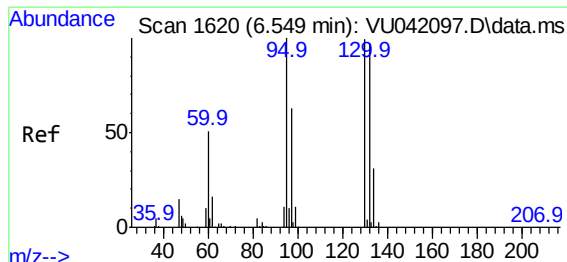
Tgt Ion: 62 Resp: 1610
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#33
Benzene
Concen: 0.05 ug/L
RT: 5.781 min Scan# 1381
Delta R.T. -0.003 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

Tgt Ion: 78 Resp: 1554





#34

Trichloroethene

Concen: 67.50 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VU042104.D

Acq: 20 Jan 2021 14:35

Tgt Ion: 95 Resp: 585260

Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.4

132 96.0 68.0 126.4

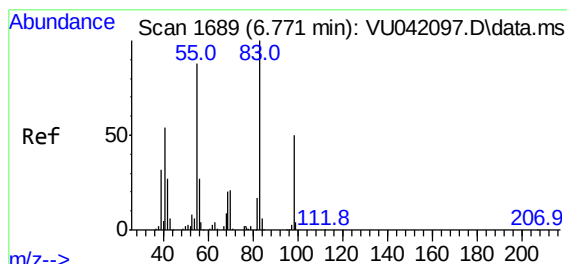
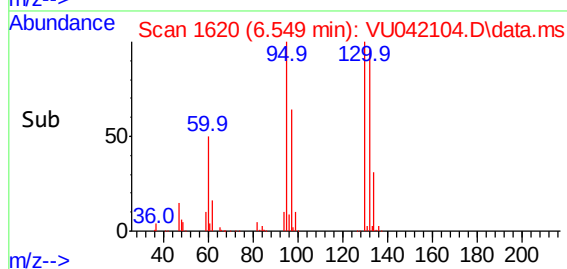
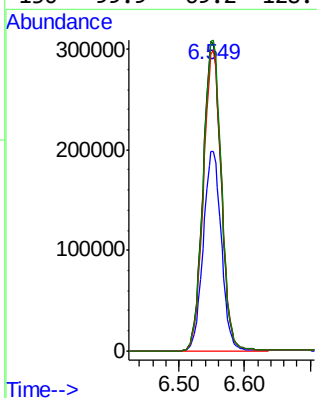
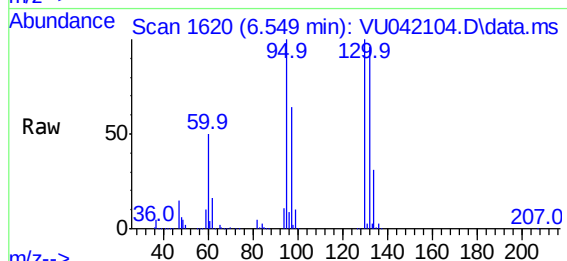
130 99.9 69.2 128.4

Instrument :

MSVOA_U

ClientSampleId :

BFXT5



#35

Methylcyclohexane

Concen: 0.88 ug/L

RT: 6.700 min Scan# 1667

Delta R.T. -0.071 min

Lab File: VU042104.D

Acq: 20 Jan 2021 14:35

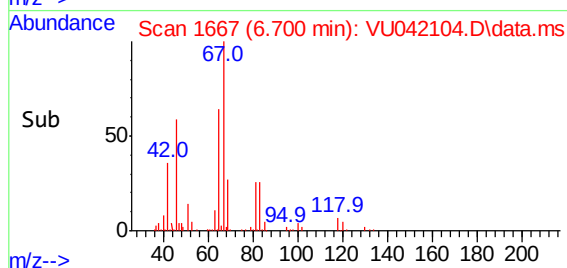
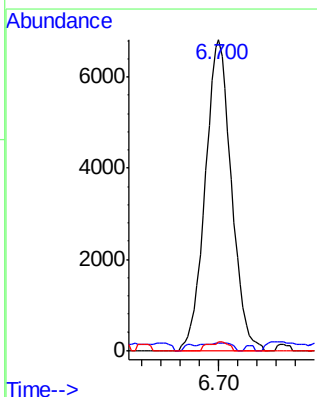
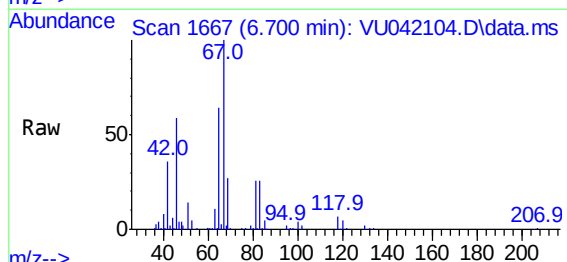
Tgt Ion: 83 Resp: 12799

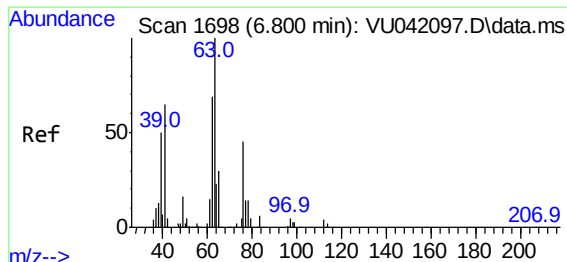
Ion Ratio Lower Upper

83 100

55 2.6 68.2 102.4#

98 0.0 39.7 59.5#

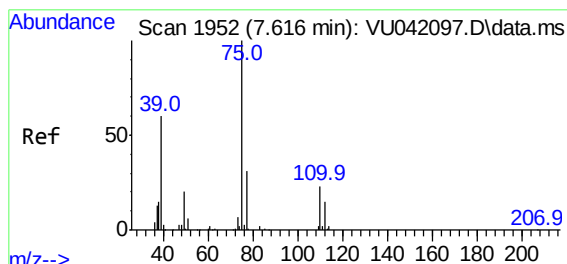
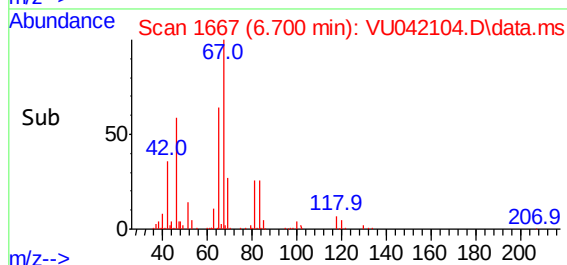
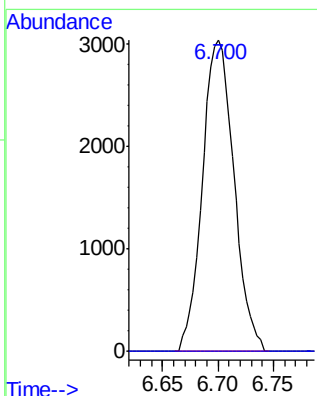
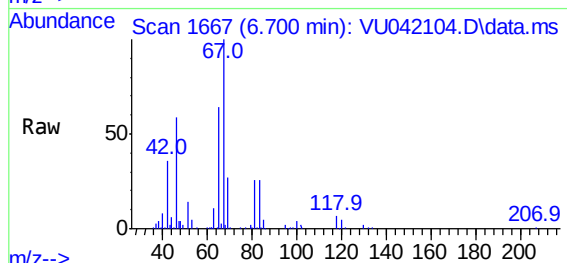




#37
1,2-Dichloropropane
Concen: 0.71 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.099 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

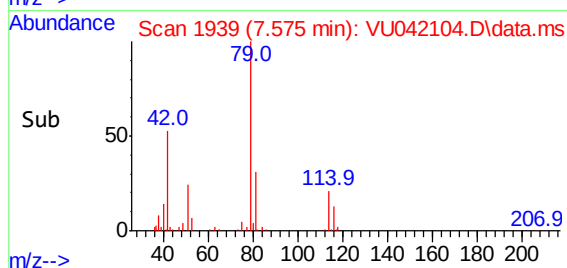
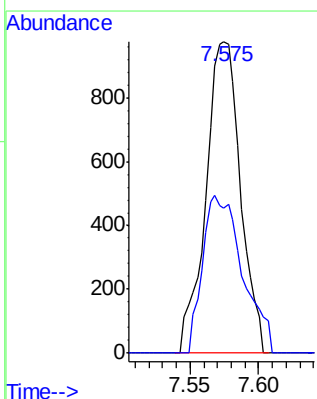
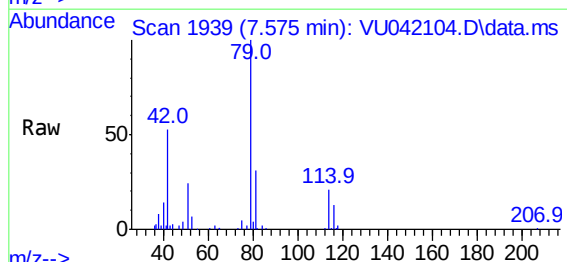
Instrument :
MSVOA_U
ClientSampleId :
BFXT5

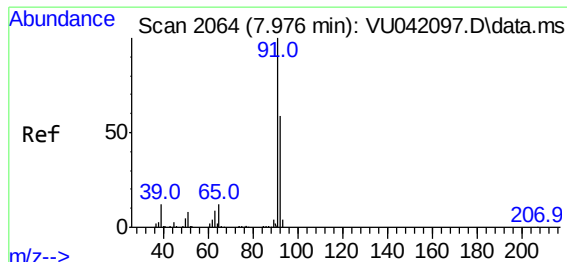
Tgt Ion: 63 Resp: 5995
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.12 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

Tgt Ion: 75 Resp: 1697
Ion Ratio Lower Upper
75 100
77 46.5 22.0 40.8#

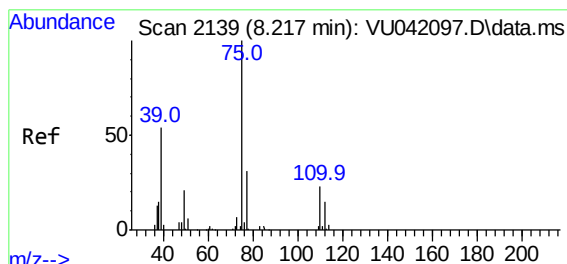
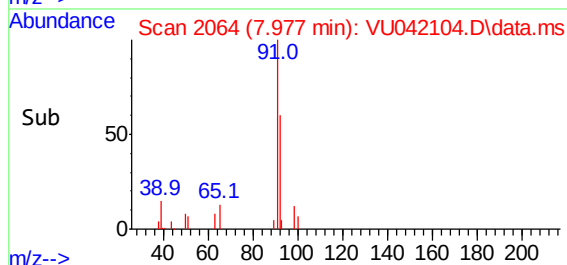
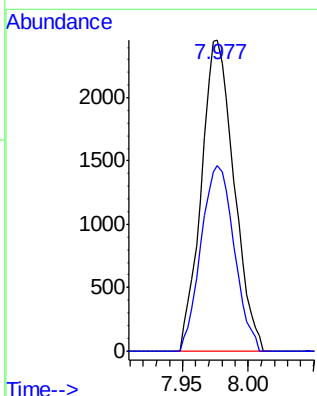
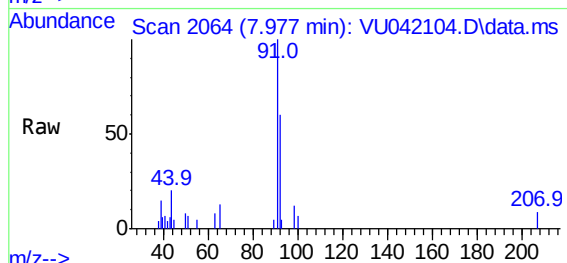




#42
Toluene
Concen: 0.12 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

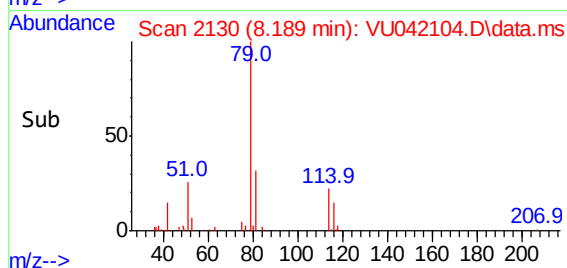
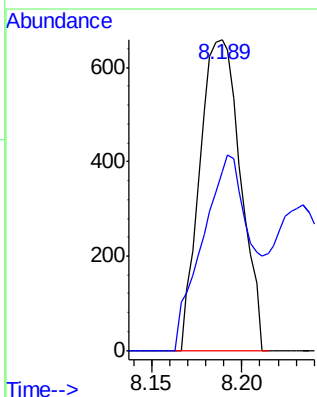
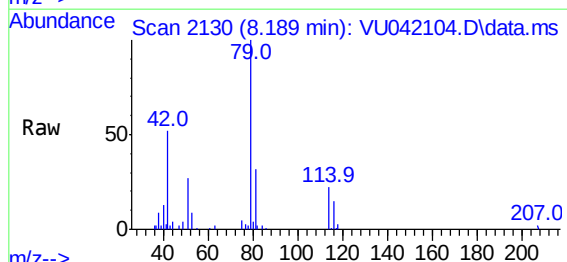
Instrument :
MSVOA_U
ClientSampleId :
BFXT5

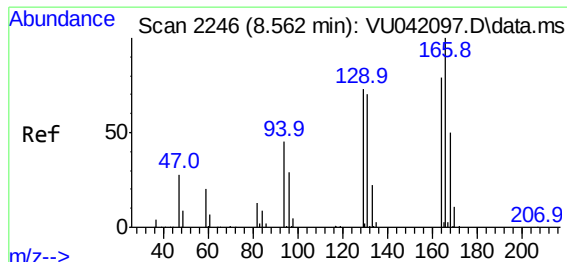
Tgt Ion: 91 Resp: 4237
Ion Ratio Lower Upper
91 100
92 59.6 41.2 76.6



#44
trans-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.029 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

Tgt Ion: 75 Resp: 1025
Ion Ratio Lower Upper
75 100
77 57.4 21.8 40.4#





#47

Tetrachloroethene

Concen: 1.24 ug/L

RT: 8.562 min Scan# 2246

Delta R.T. 0.000 min

Lab File: VU042104.D

Acq: 20 Jan 2021 14:35

Tgt Ion:164 Resp: 8907

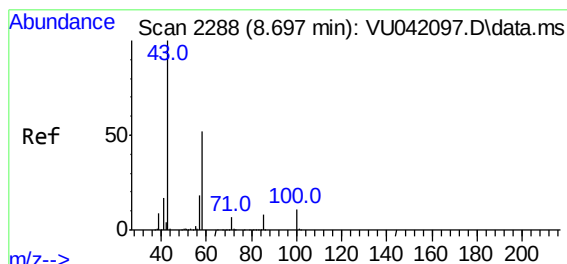
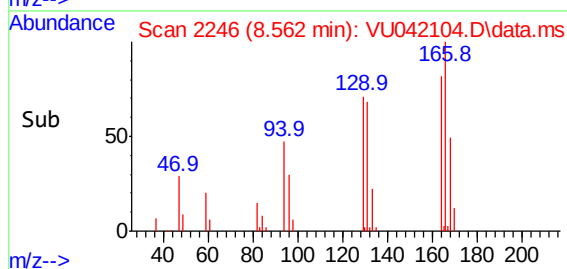
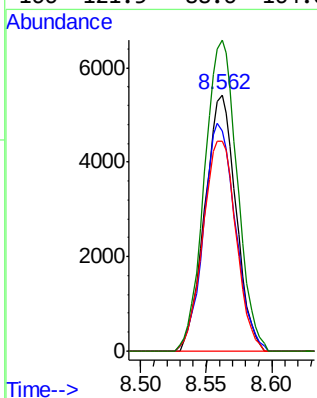
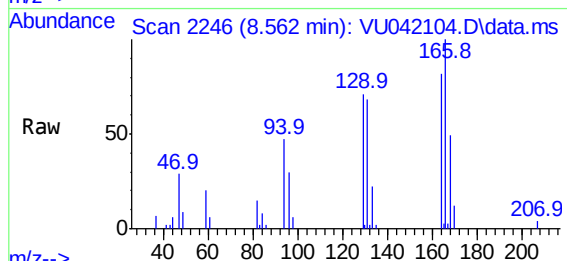
Ion Ratio Lower Upper

164 100

129 86.0 64.3 119.5

131 82.0 62.2 115.6

166 121.5 88.6 164.6



#48

2-Hexanone

Concen: 4.08 ug/L

RT: 8.645 min Scan# 2272

Delta R.T. -0.051 min

Lab File: VU042104.D

Acq: 20 Jan 2021 14:35

Tgt Ion: 43 Resp: 20554

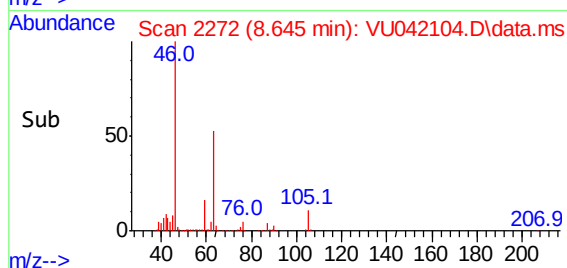
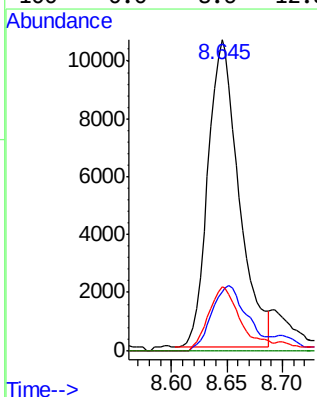
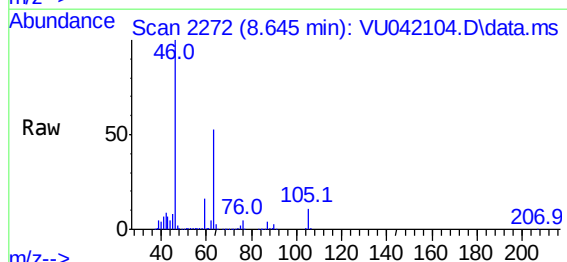
Ion Ratio Lower Upper

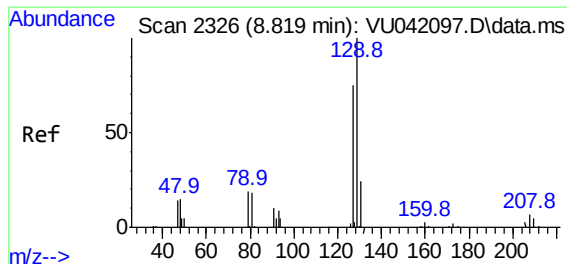
43 100

58 24.1 40.6 61.0#

57 21.7 14.9 22.3

100 0.0 8.6 12.8#

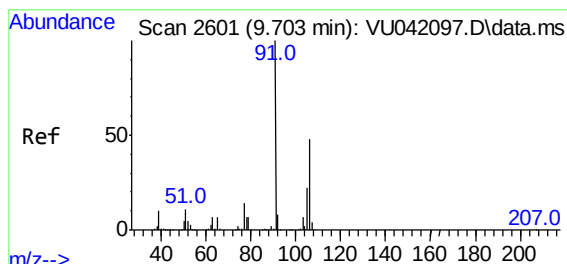
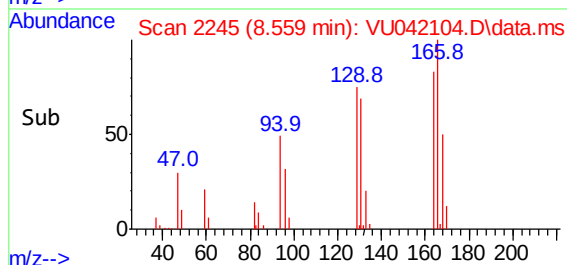
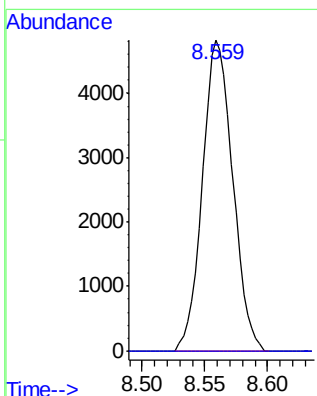
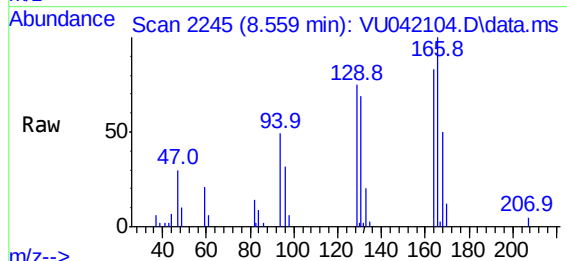




#49
Dibromochloromethane
Concen: 0.97 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.260 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

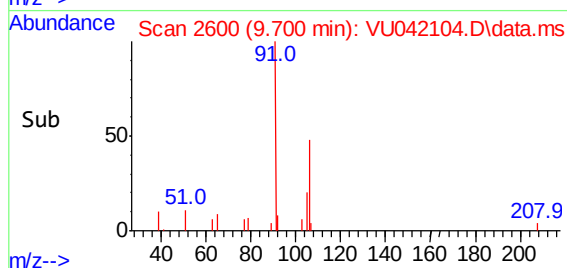
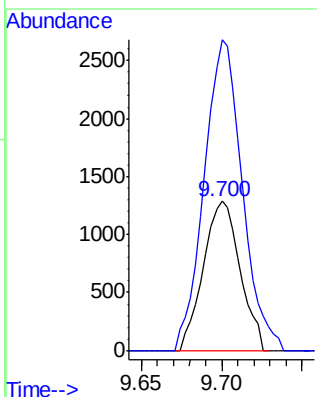
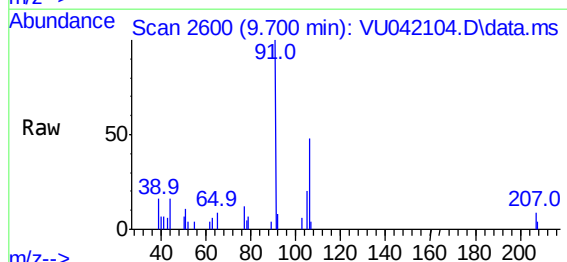
Instrument :
MSVOA_U
ClientSampleId :
BFX5

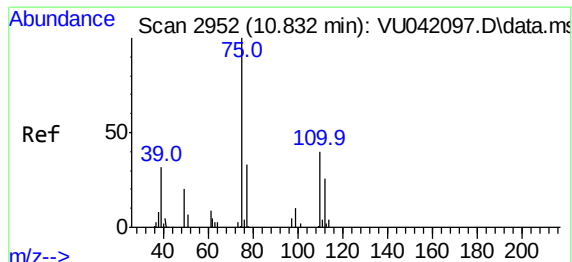
Tgt Ion:129 Resp: 8097
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



#53
m,p-Xylene
Concen: 0.13 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.003 min
Lab File: VU042104.D
Acq: 20 Jan 2021 14:35

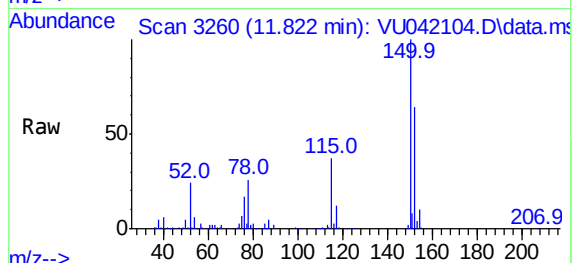
Tgt Ion:106 Resp: 1997
Ion Ratio Lower Upper
106 100
91 208.1 145.1 269.5





#59
 1,2,3-Trichloropropane
 Concen: 1.10 ug/L
 RT: 11.822 min Scan# 3260
 Delta R.T. 0.991 min
 Lab File: VU042104.D
 Acq: 20 Jan 2021 14:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX5



Tgt Ion: 75 Resp: 6591

Ion	Ratio	Lower	Upper
75	100		
77	33.2	26.0	39.0

