

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012121\
 Data File : VU042142.D
 Acq On : 21 Jan 2021 11:47
 Operator : SY/MD
 Sample : M1164-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXP9

Quant Time: Jan 22 02:45:42 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	113458	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	104490	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	53256	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	32602	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.919	69	27289	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.572	63	57222	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	4.649	46	140620	52.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.30%
24) Chloroform-d	5.073	84	70979	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.710	65	45038	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.735	84	135420	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.700	67	45175	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.906	98	124430	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloroprop...	8.189	79	20983	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.645	63	100645	51.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.64%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	37814	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	12.201	152	48605	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	3072	0.29	ug/L	98
3) Chloromethane	1.523	50	821	0.09	ug/L	91
5) Vinyl chloride	1.607	62	702	0.08	ug/L #	21
9) Trichlorofluoromethane	2.144	101	508	0.04	ug/L #	82
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	533	0.07	ug/L #	18
12) 1,1-Dichloroethene	2.584	96	1266	0.16	ug/L #	1
13) Acetone	2.658	43	4533	2.55	ug/L	93
17) Methyl tert-butyl Ether	3.372	73	31067	1.40	ug/L	97
22) cis-1,2-Dichloroethene	4.678	96	8959	1.03	ug/L	96
25) Chloroform	5.105	83	1831	0.12	ug/L	85
27) 1,2-Dichloroethane	5.806	62	1492	0.13	ug/L #	75
33) Benzene	5.787	78	1268	0.04	ug/L	100
34) Trichloroethene	6.549	95	585173	70.57	ug/L	99
35) Methylcyclohexane	6.700	83	10371	0.75	ug/L #	15
37) 1,2-Dichloropropane	6.697	63	5291	0.65	ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	1618	0.12	ug/L #	58
42) Toluene	7.976	91	3569	0.11	ug/L	99
44) trans-1,3-Dichloropropene	8.189	75	910	0.07	ug/L	89
47) Tetrachloroethene	8.558	164	9160	1.33	ug/L	97
48) 2-Hexanone	8.645	43	13815	2.87	ug/L #	69

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 22 02:43:44 2021
Response via : Initial Calibration

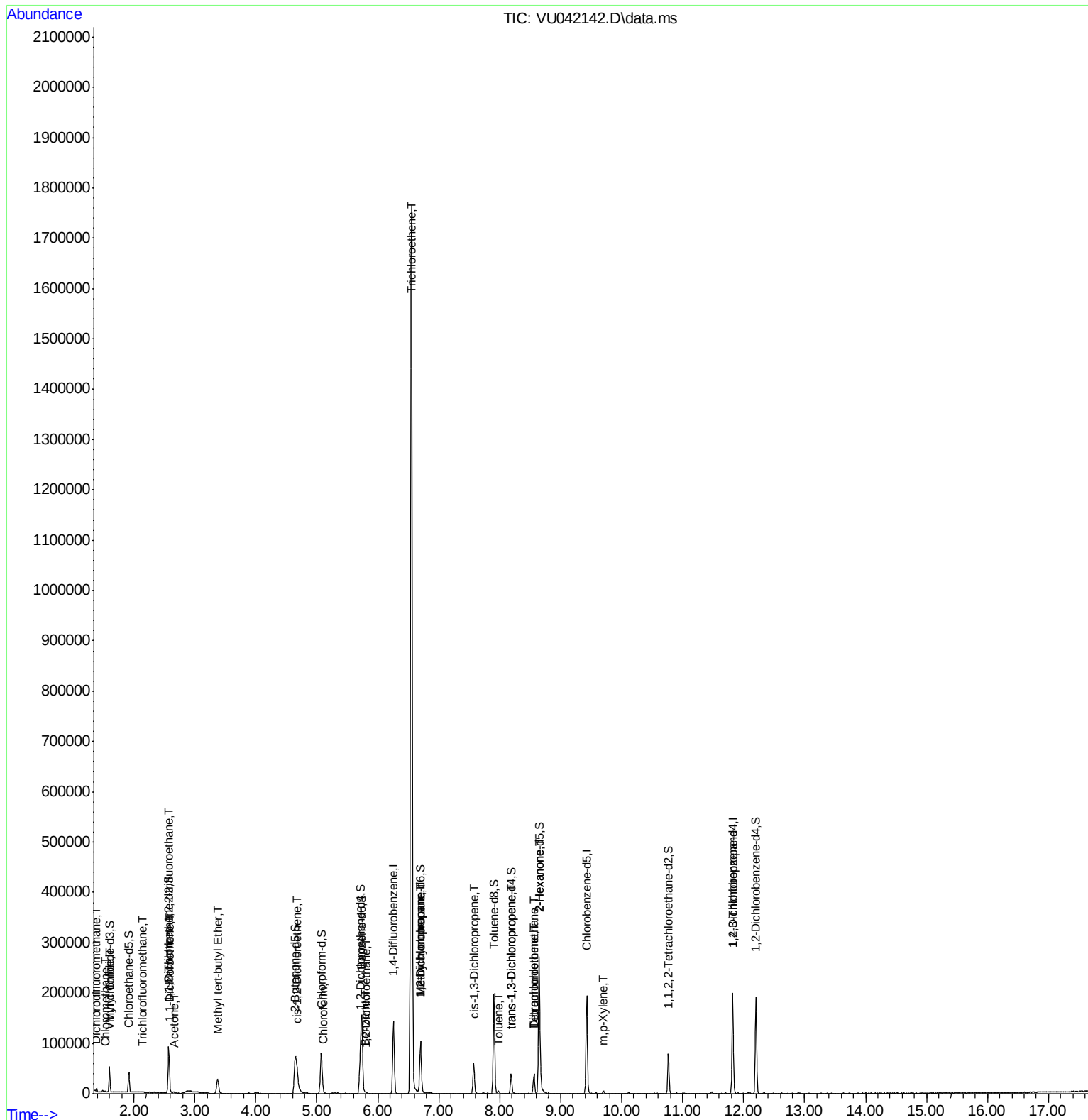
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.562	129	8231	1.03	ug/L #	12
53) m,p-Xylene	9.700	106	1710	0.12	ug/L	92
59) 1,2,3-Trichloropropane	11.822	75	6297	1.10	ug/L	95

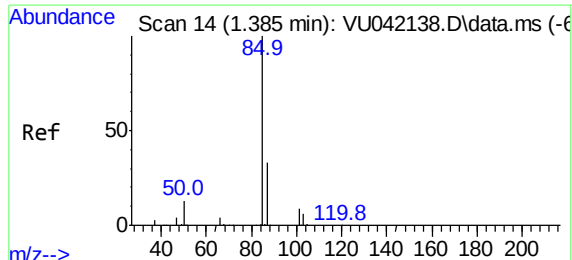
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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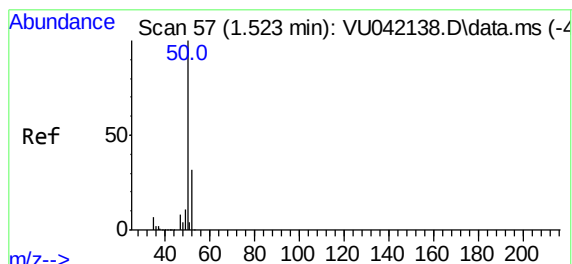
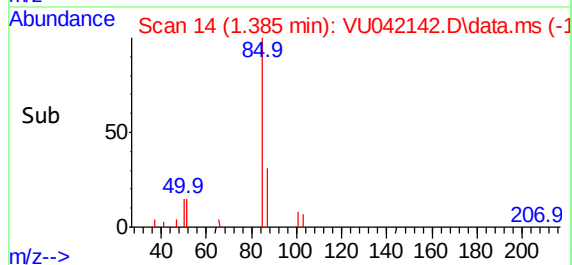
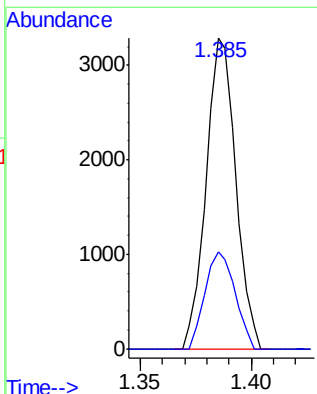
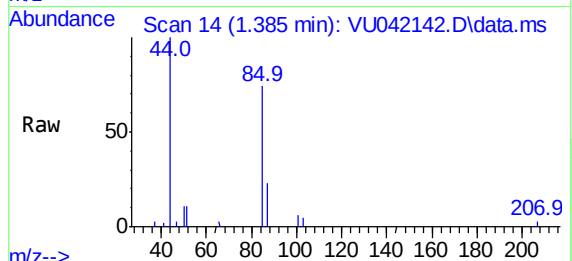


#2

Dichlorodifluoromethane
Concen: 0.29 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

Instrument :
MSVOA_U
ClientSampled :
BFXP9

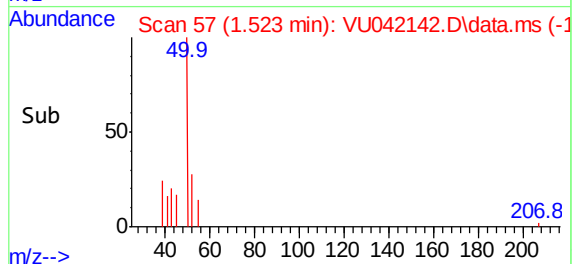
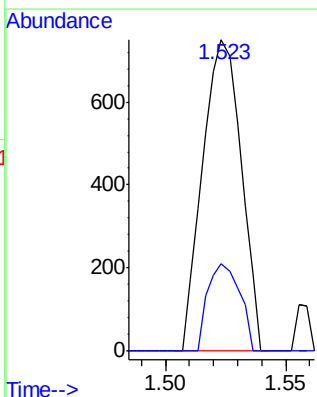
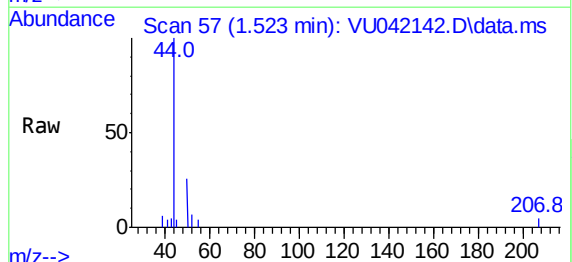
Tgt Ion: 85 Resp: 3072
Ion Ratio Lower Upper
85 100
87 31.3 26.1 39.1

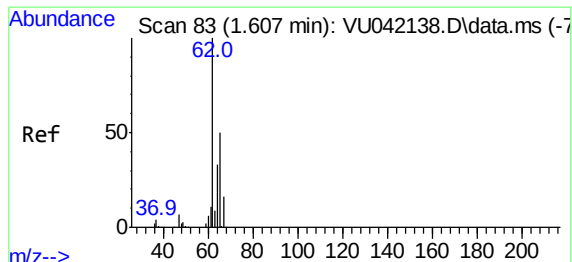


#3

Chloromethane
Concen: 0.09 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

Tgt Ion: 50 Resp: 821
Ion Ratio Lower Upper
50 100
52 28.0 23.0 42.8



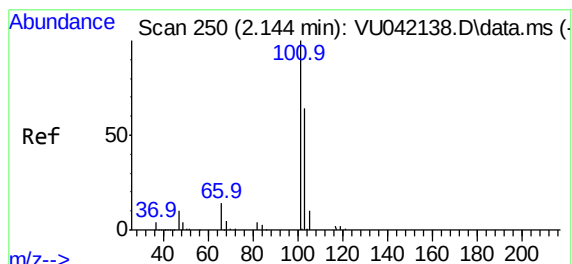
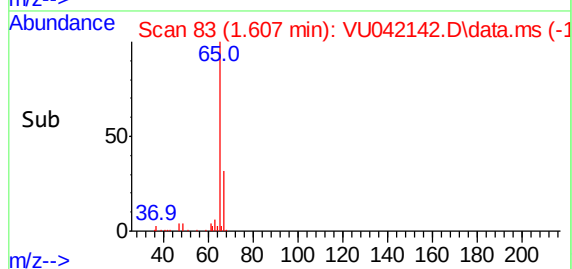
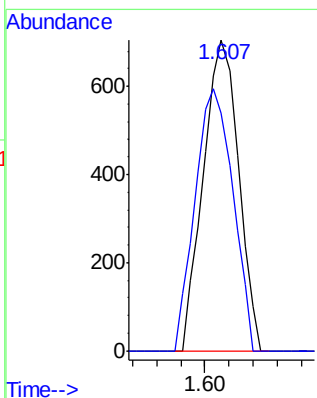
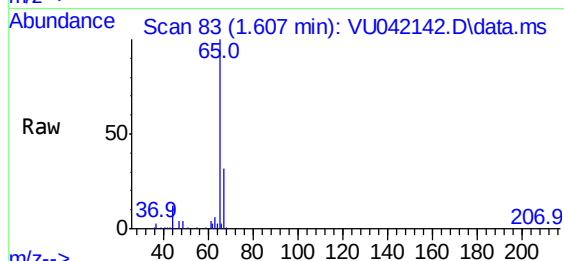


#5
 Vinyl chloride
 Concen: 0.08 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU042142.D
 Acq: 21 Jan 2021 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXP9

Tgt Ion: 62 Resp: 702

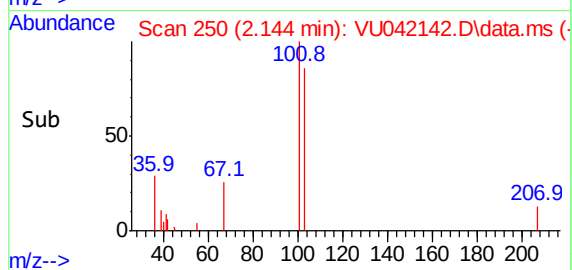
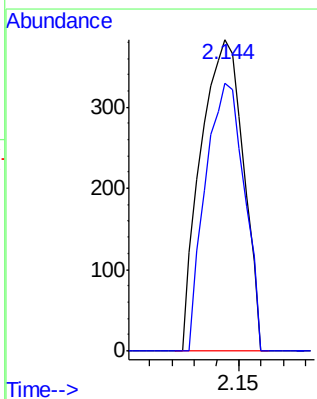
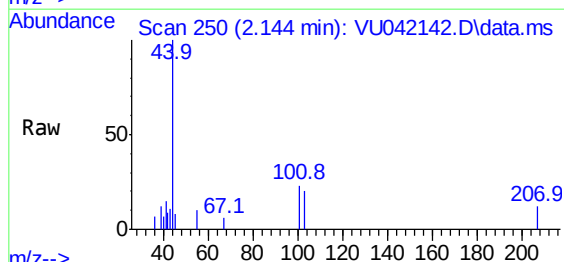
Ion	Ratio	Lower	Upper
62	100		
64	76.6	22.7	42.1#

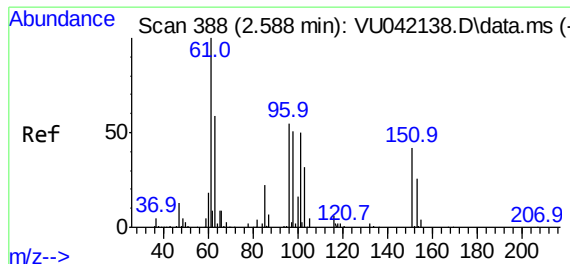


#9
 Trichlorofluoromethane
 Concen: 0.04 ug/L
 RT: 2.144 min Scan# 250
 Delta R.T. 0.000 min
 Lab File: VU042142.D
 Acq: 21 Jan 2021 11:47

Tgt Ion:101 Resp: 508

Ion	Ratio	Lower	Upper
101	100		
103	78.7	51.8	77.8#

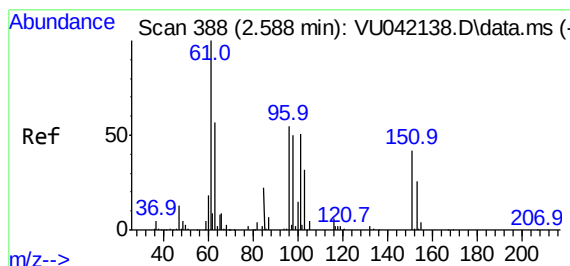
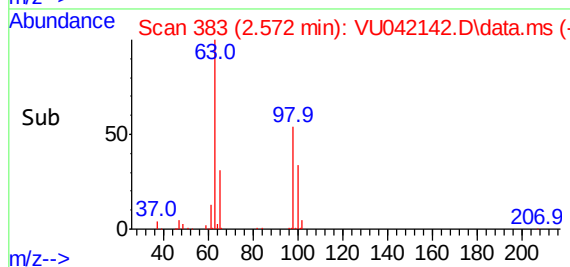
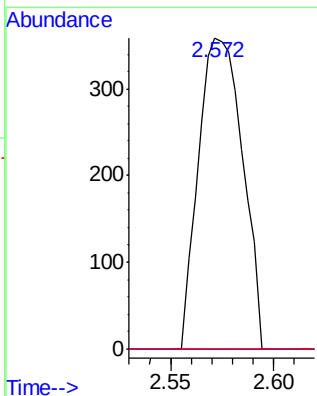
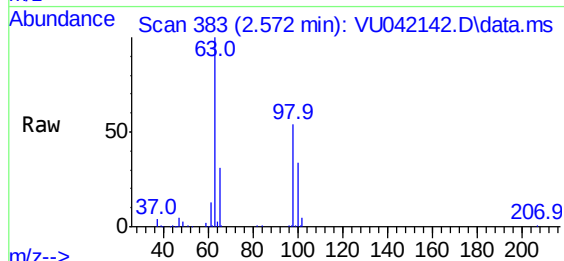




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.07 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU042142.D
 Acq: 21 Jan 2021 11:47

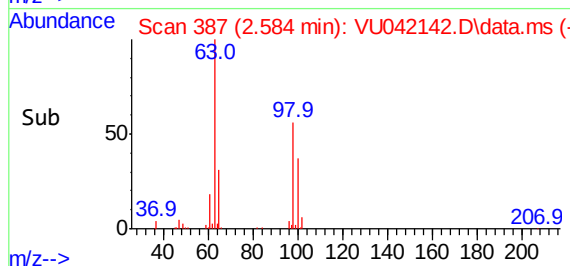
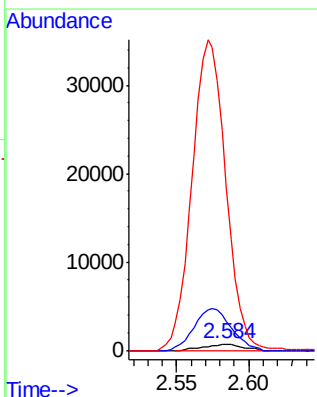
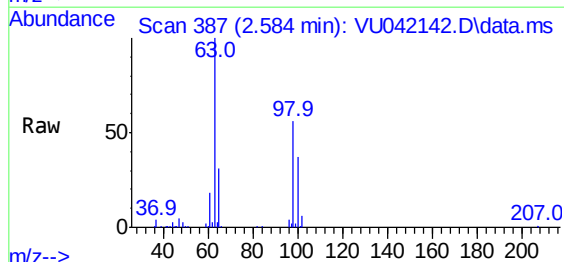
Instrument :
 MSVOA_U
 ClientSampleId :
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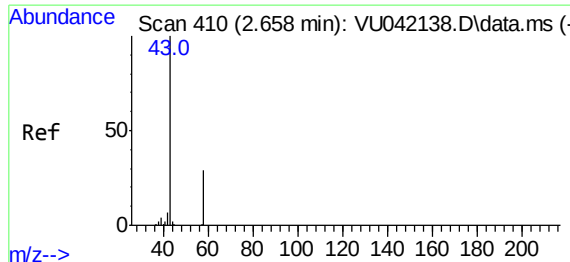
Tgt Ion:101 Resp: 533
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 62.7 94.1#



#12
 1,1-Dichloroethene
 Concen: 0.16 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU042142.D
 Acq: 21 Jan 2021 11:47

Tgt Ion: 96 Resp: 1266
 Ion Ratio Lower Upper
 96 100
 61 473.1 126.2 234.4#
 63 2683.3 77.8 144.4#

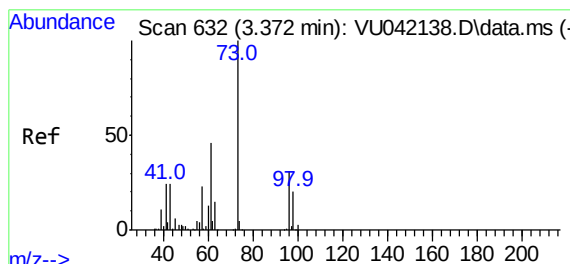
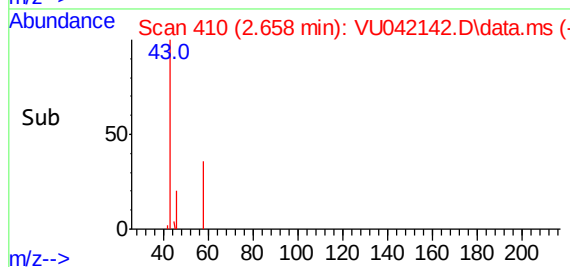
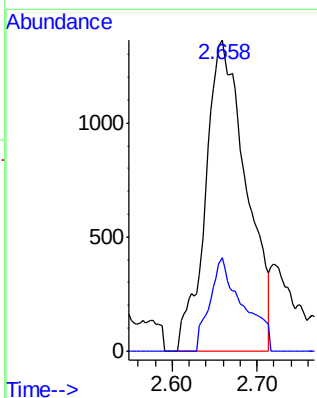
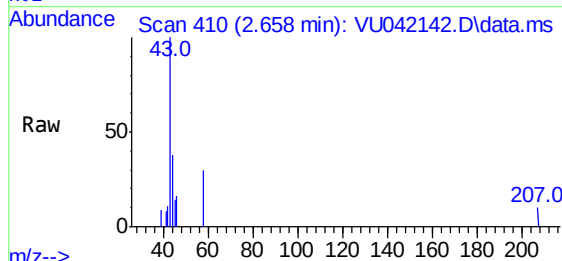




#13
Acetone
Concen: 2.55 ug/L
RT: 2.658 min Scan# 410
Delta R.T. 0.000 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

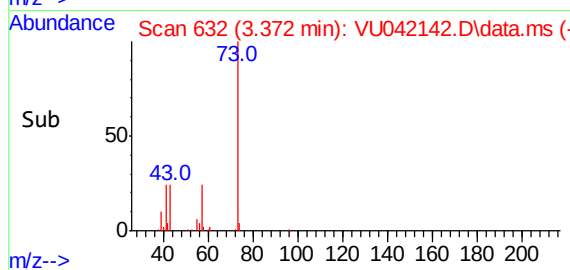
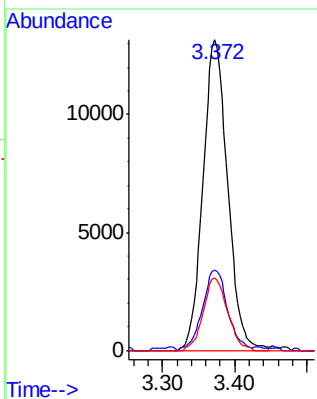
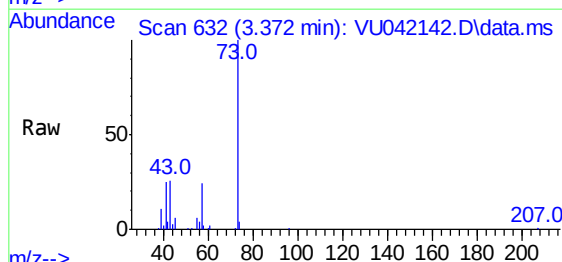
Instrument :
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ClientSampleId :
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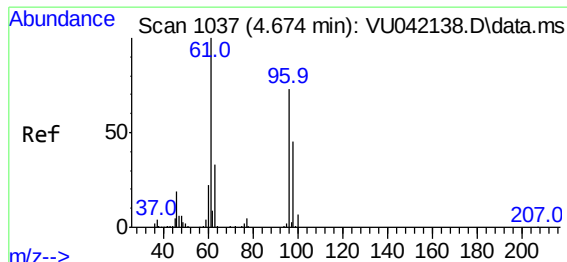
Tgt Ion: 43 Resp: 4533
Ion Ratio Lower Upper
43 100
58 24.1 0.0 55.8



#17
Methyl tert-butyl Ether
Concen: 1.40 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.000 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

Tgt Ion: 73 Resp: 31067
Ion Ratio Lower Upper
73 100
43 26.5 18.9 28.3
57 23.0 18.2 27.4



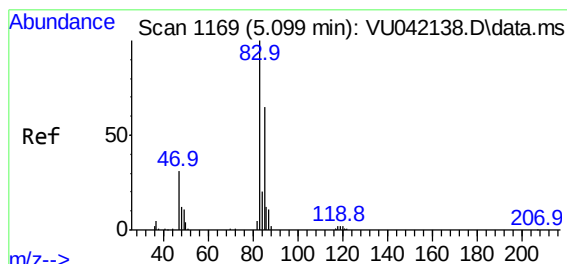
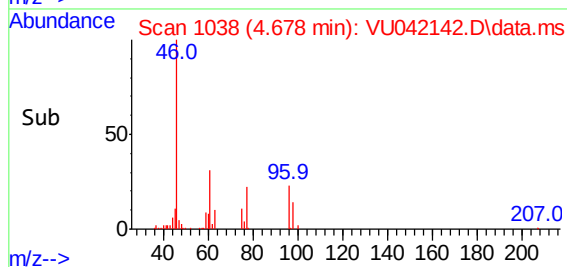
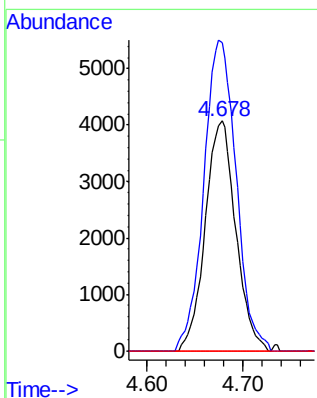
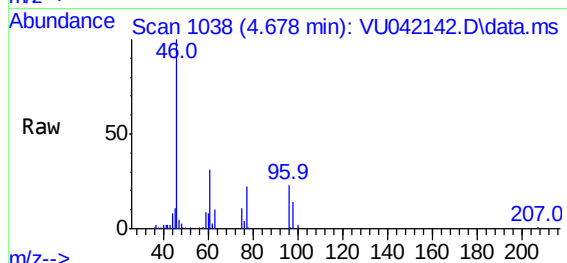


#22
cis-1,2-Dichloroethene
Concen: 1.03 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. 0.003 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

Instrument :
MSVOA_U
ClientSampled :
BFXP9

Tgt Ion: 96 Resp: 8959

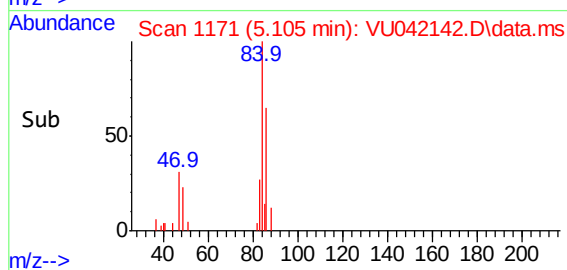
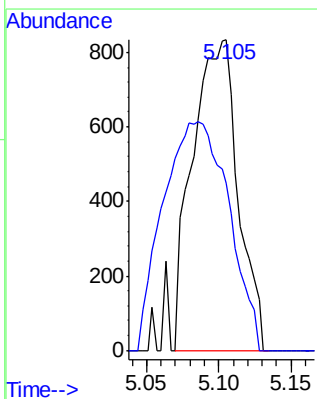
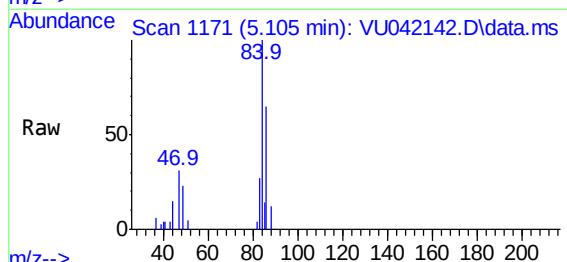
Ion	Ratio	Lower	Upper
96	100		
61	134.3	97.8	181.6
68	0.0	0.0	0.0

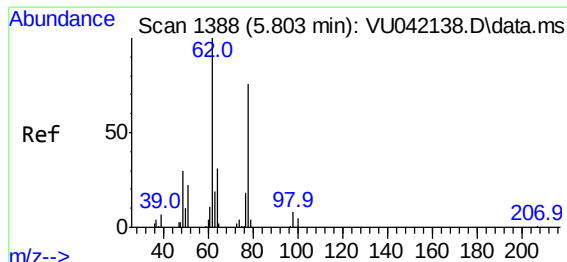


#25
Chloroform
Concen: 0.12 ug/L
RT: 5.105 min Scan# 1171
Delta R.T. 0.006 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

Tgt Ion: 83 Resp: 1831

Ion	Ratio	Lower	Upper
83	100		
85	53.7	45.7	84.9

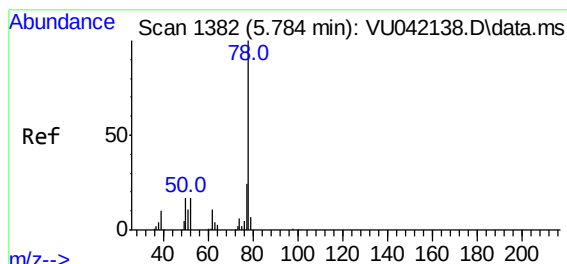
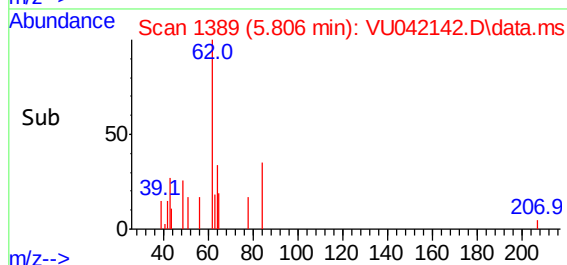
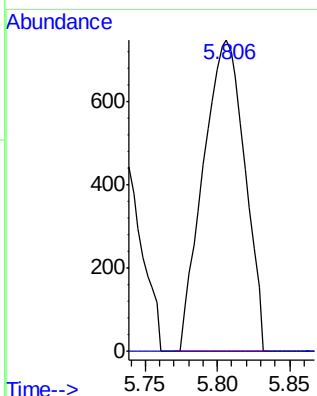
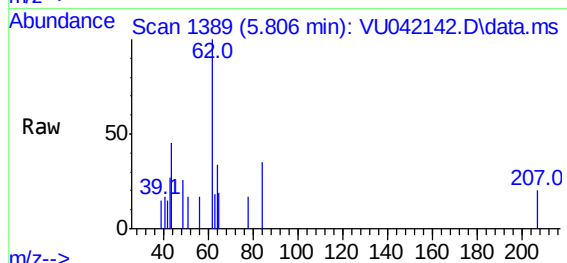




#27
1,2-Dichloroethane
Concen: 0.13 ug/L
RT: 5.806 min Scan# 1389
Delta R.T. 0.003 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

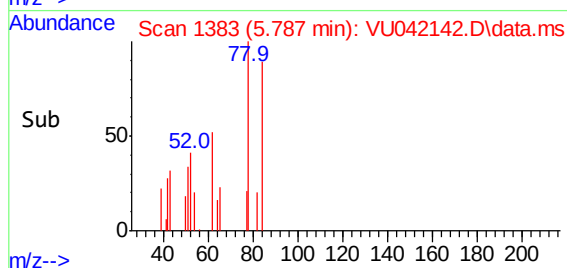
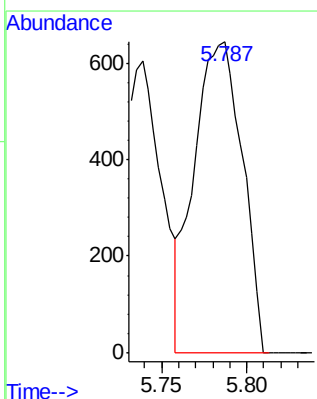
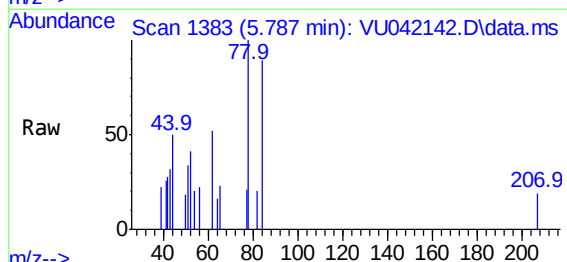
Instrument :
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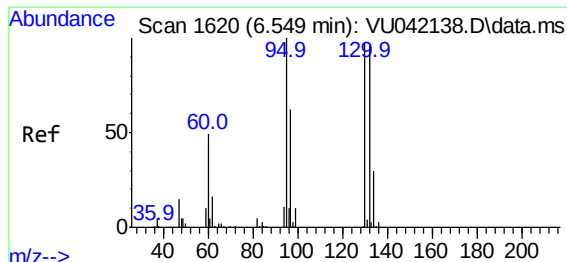
Tgt Ion: 62 Resp: 1492
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#33
Benzene
Concen: 0.04 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.003 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

Tgt Ion: 78 Resp: 1268

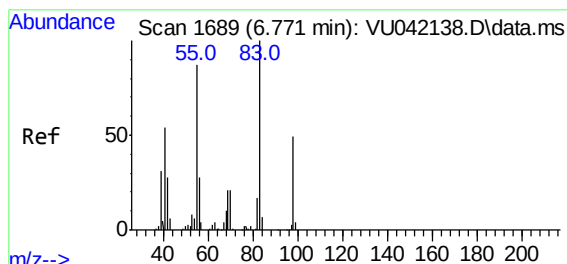
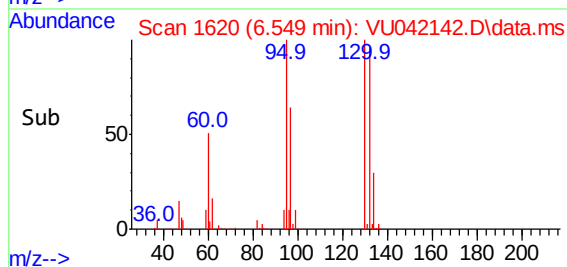
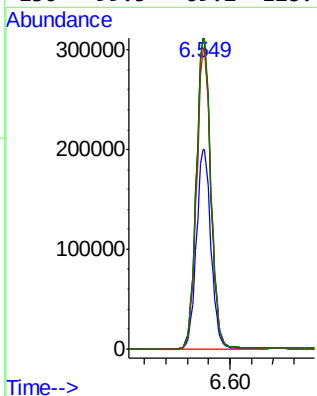
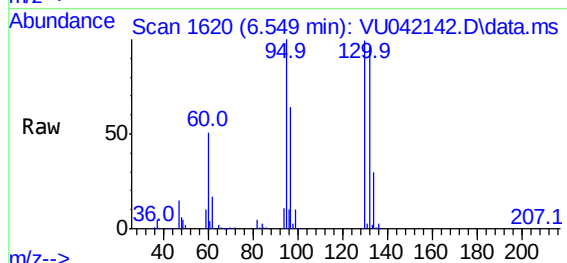




#34
Trichloroethene
Concen: 70.57 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

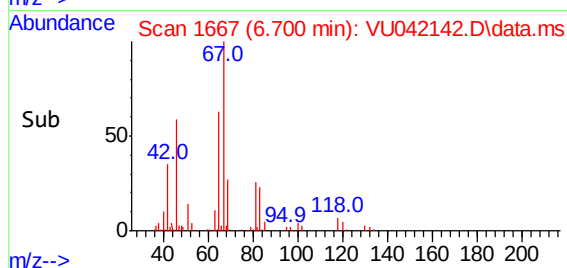
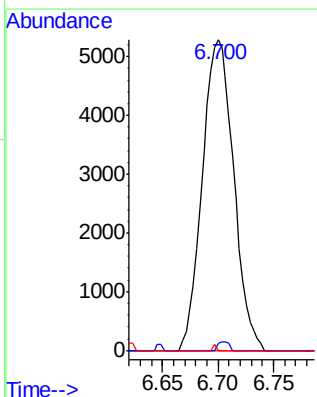
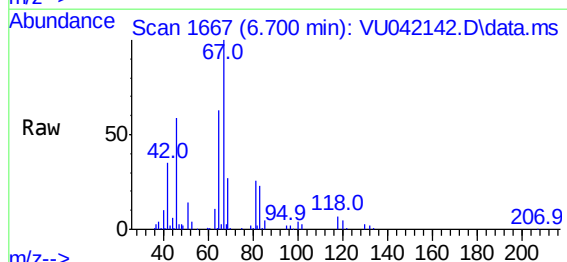
Instrument :
MSVOA_U
ClientSampleId :
BFXP9

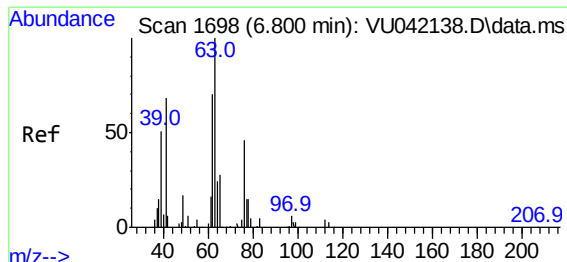
Tgt Ion: 95 Resp: 585173
Ion Ratio Lower Upper
95 100
97 64.1 44.4 82.4
132 95.8 68.0 126.4
130 99.5 69.2 128.4



#35
Methylcyclohexane
Concen: 0.75 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

Tgt Ion: 83 Resp: 10371
Ion Ratio Lower Upper
83 100
55 1.0 68.2 102.4#
98 0.0 39.7 59.5#

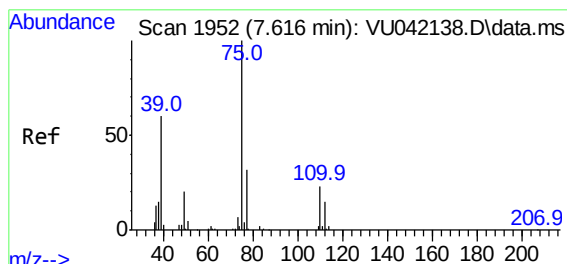
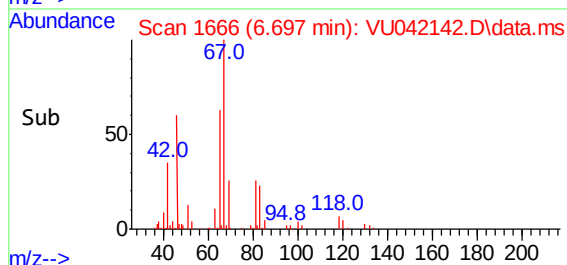
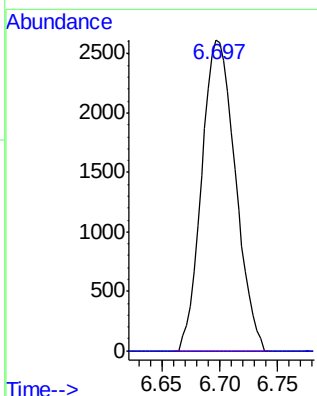
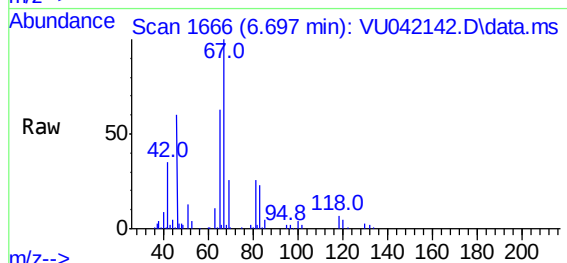




#37
1,2-Dichloropropane
Concen: 0.65 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

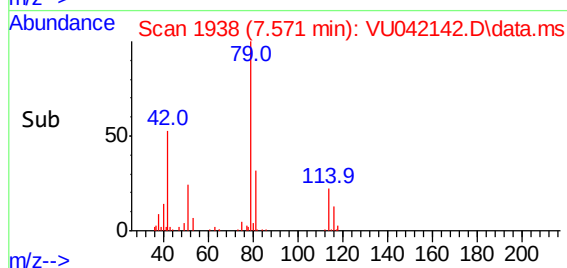
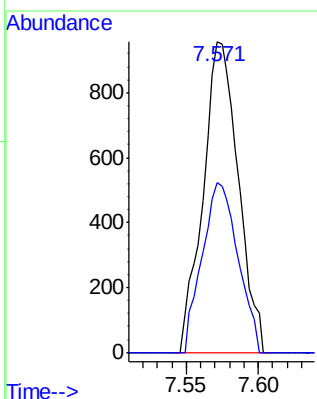
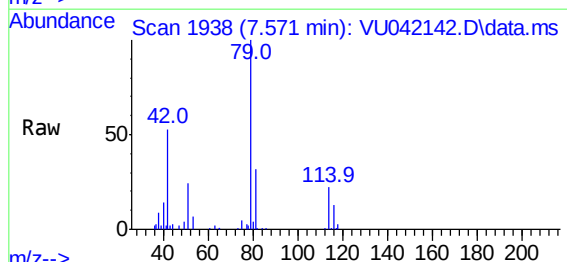
Instrument :
MSVOA_U
ClientSampleId :
BFXP9

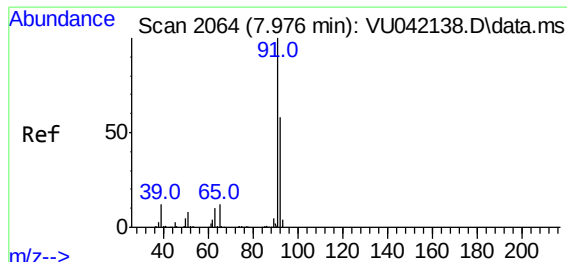
Tgt Ion: 63 Resp: 5291
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.12 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

Tgt Ion: 75 Resp: 1618
Ion Ratio Lower Upper
75 100
77 54.5 22.0 40.8#





#42

Toluene

Concen: 0.11 ug/L

RT: 7.976 min Scan# 2064

Delta R.T. 0.000 min

Lab File: VU042142.D

Acq: 21 Jan 2021 11:47

Tgt Ion: 91 Resp: 3569

Ion Ratio Lower Upper

91 100

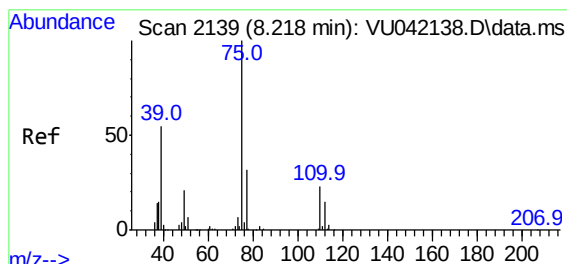
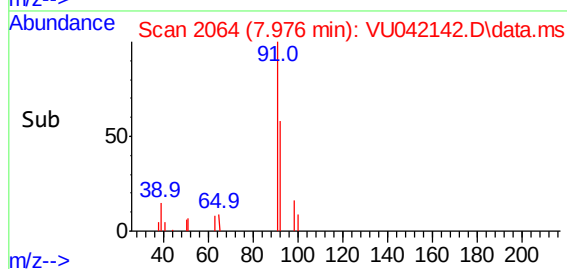
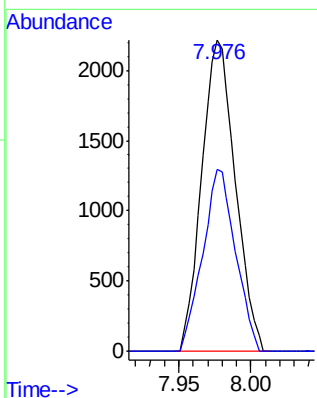
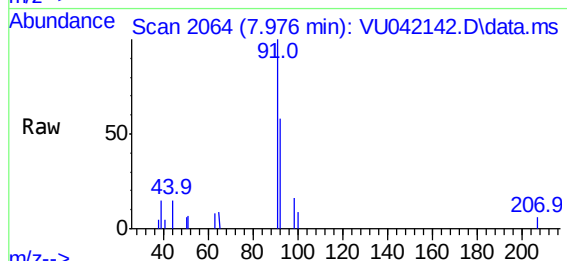
92 58.4 41.2 76.6

Instrument :

MSVOA_U

ClientSampleId :

BFXP9



#44

trans-1,3-Dichloropropene

Concen: 0.07 ug/L

RT: 8.189 min Scan# 2130

Delta R.T. -0.029 min

Lab File: VU042142.D

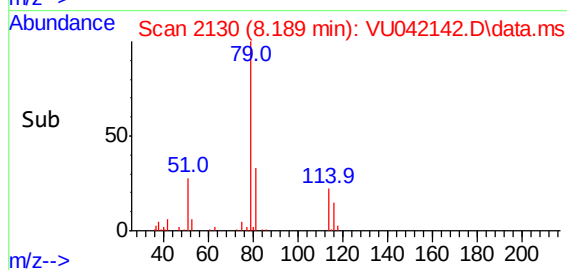
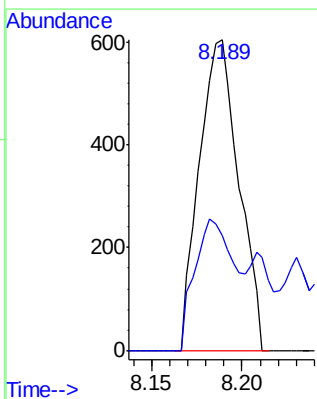
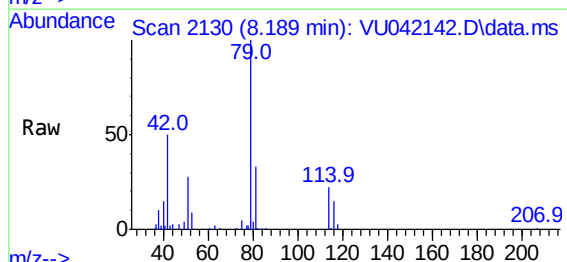
Acq: 21 Jan 2021 11:47

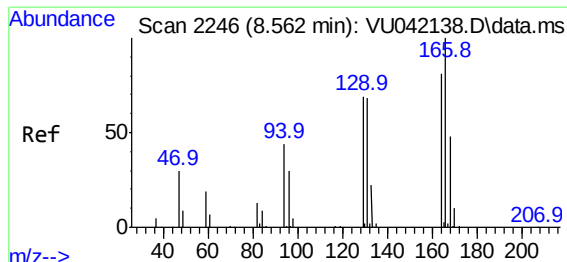
Tgt Ion: 75 Resp: 910

Ion Ratio Lower Upper

75 100

77 36.9 21.8 40.4





#47

Tetrachloroethene

Concen: 1.33 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. -0.003 min

Lab File: VU042142.D

Acq: 21 Jan 2021 11:47

Tgt Ion:164 Resp: 9160

Ion Ratio Lower Upper

164 100

129 88.3 64.3 119.5

131 84.1 62.2 115.6

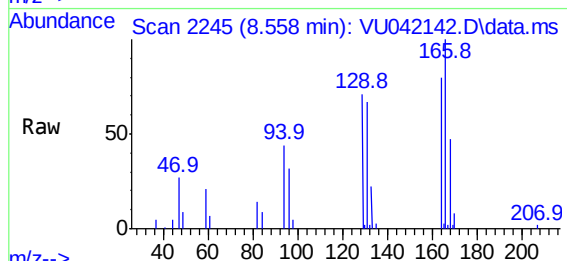
166 125.0 88.6 164.6

Instrument :

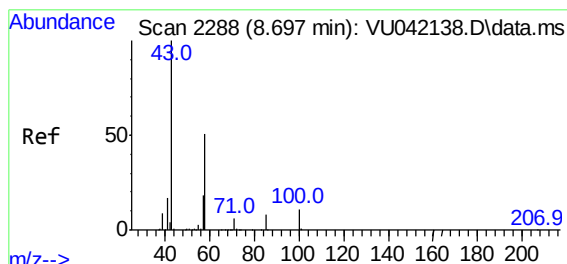
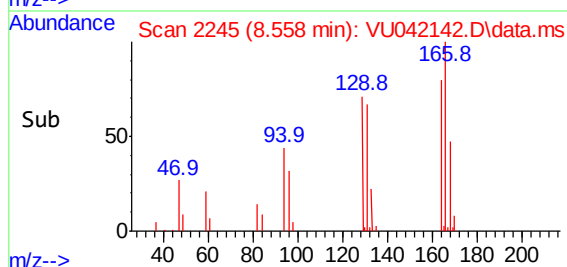
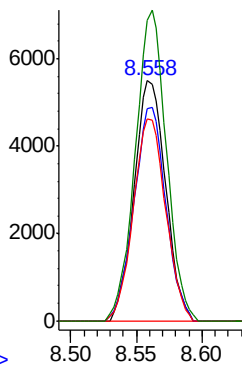
MSVOA_U

ClientSampleId :

BFXP9



Abundance



#48

2-Hexanone

Concen: 2.87 ug/L

RT: 8.645 min Scan# 2272

Delta R.T. -0.051 min

Lab File: VU042142.D

Acq: 21 Jan 2021 11:47

Tgt Ion: 43 Resp: 13815

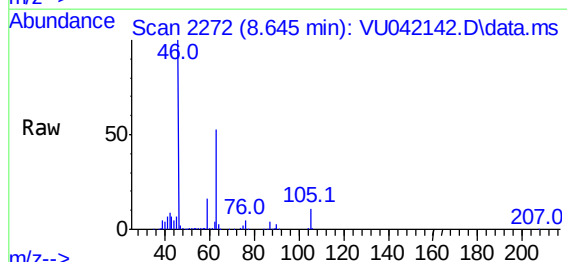
Ion Ratio Lower Upper

43 100

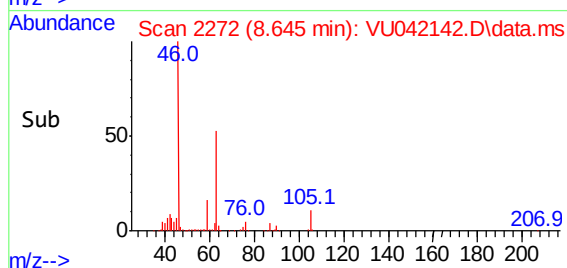
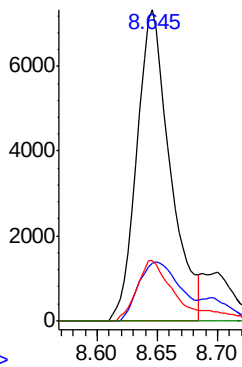
58 23.8 40.6 61.0#

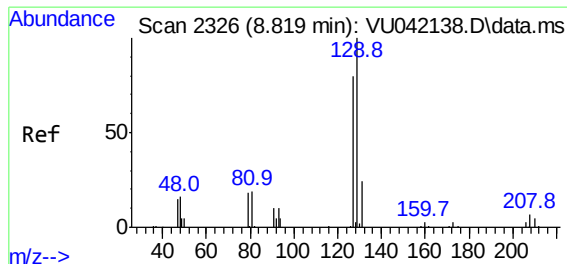
57 23.0 14.9 22.3#

100 0.0 8.6 12.8#



Abundance

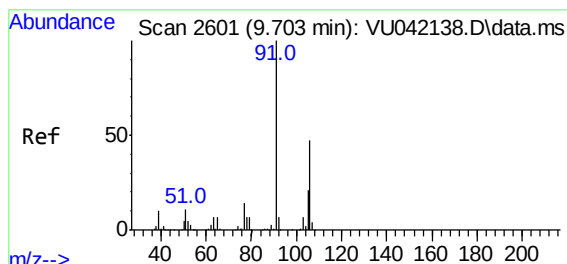
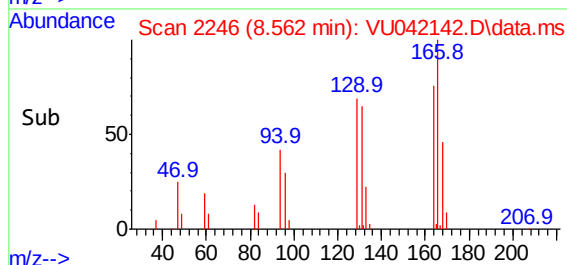
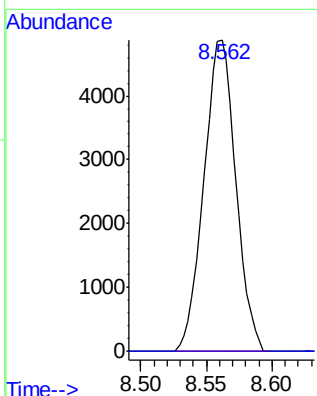
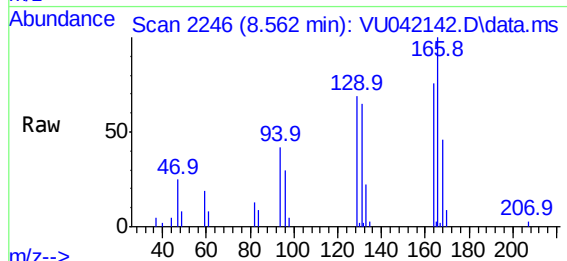




#49
Dibromochloromethane
Concen: 1.03 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.257 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

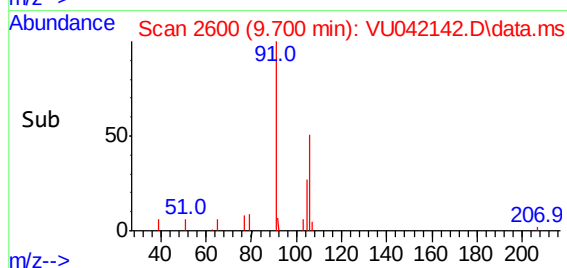
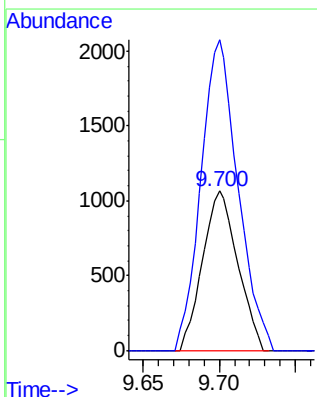
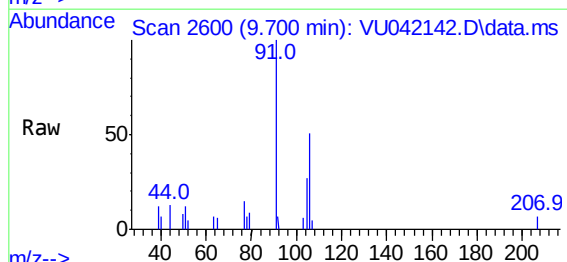
Instrument :
MSVOA_U
ClientSampleId :
BFXP9

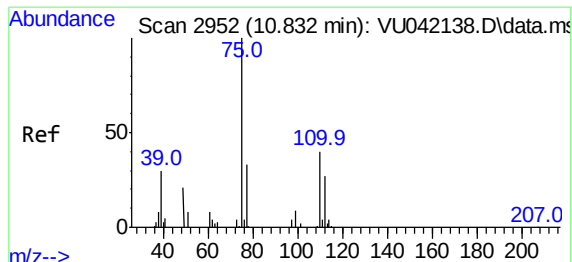
Tgt Ion:129 Resp: 8231
Ion Ratio Lower Upper
129 100
127 0.0 52.3 97.1#



#53
m,p-Xylene
Concen: 0.12 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.003 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

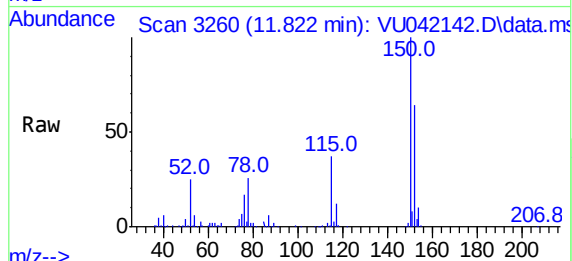
Tgt Ion:106 Resp: 1710
Ion Ratio Lower Upper
106 100
91 195.1 145.1 269.5





#59
1,2,3-Trichloropropane
Concen: 1.10 ug/L
RT: 11.822 min Scan# 3260
Delta R.T. 0.990 min
Lab File: VU042142.D
Acq: 21 Jan 2021 11:47

Instrument :
MSVOA_U
ClientSampleId :
BFXP9



Tgt Ion: 75 Resp: 6297
Ion Ratio Lower Upper
75 100
77 35.3 26.0 39.0

