

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU042016.D
 Acq On : 14 Jan 2021 05:52
 Operator : SY/MD
 Sample : M1129-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 02:52:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011321WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 15 02:46:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	131957	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	110046	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	48285	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	45213	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.919	69	45524	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.565	63	67429	3.36	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.665	46	175612	52.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.10%
24) Chloroform-d	5.076	84	93568	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.713	65	53059	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.738	84	188043	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.700	67	58922	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.902	98	157972	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloroprop...	8.182	79	22131	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.648	63	126032	52.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.84%
57) 1,1,2,2-Tetrachloroeth...	10.758	84	46761	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.188	152	47161	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	6698	0.44	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	723	0.07	ug/L #	21
13) Acetone	2.668	43	6281	3.01	ug/L	96
14) Carbon disulfide	2.796	76	2491	0.07	ug/L #	90
15) Methyl Acetate	2.964	43	863	0.17	ug/L #	73
25) Chloroform	5.099	83	6985	0.34	ug/L	79
33) Benzene	5.777	78	1228	0.03	ug/L	100
34) Trichloroethene	6.549	95	286513	28.14	ug/L	97
35) Methylcyclohexane	6.700	83	13844	0.86	ug/L #	17
37) 1,2-Dichloropropane	6.697	63	6199	0.59	ug/L #	90
38) Bromodichloromethane	7.115	83	2835	0.21	ug/L	97
39) cis-1,3-Dichloropropene	7.571	75	1223	0.08	ug/L #	48
44) trans-1,3-Dichloropropene	8.185	75	788	0.06	ug/L #	66
47) Tetrachloroethene	8.555	164	10761	1.63	ug/L	91
48) 2-Hexanone	8.648	43	14585	2.96	ug/L #	68
49) Dibromochloromethane	8.812	129	1403	0.17	ug/L	86
59) 1,2,3-Trichloropropane	11.809	75	5962	0.86	ug/L	99
61) Bromoform	10.285	173	203	0.05	ug/L #	48
66) 1,2-Dibromo-3-chloropr...	12.963	75	749	0.53	ug/L #	8

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ALS Vial : 46 Sample Multiplier: 1

Instrument :
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ClientSampleId :

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 15 02:46:12 2021
Response via : Initial Calibration

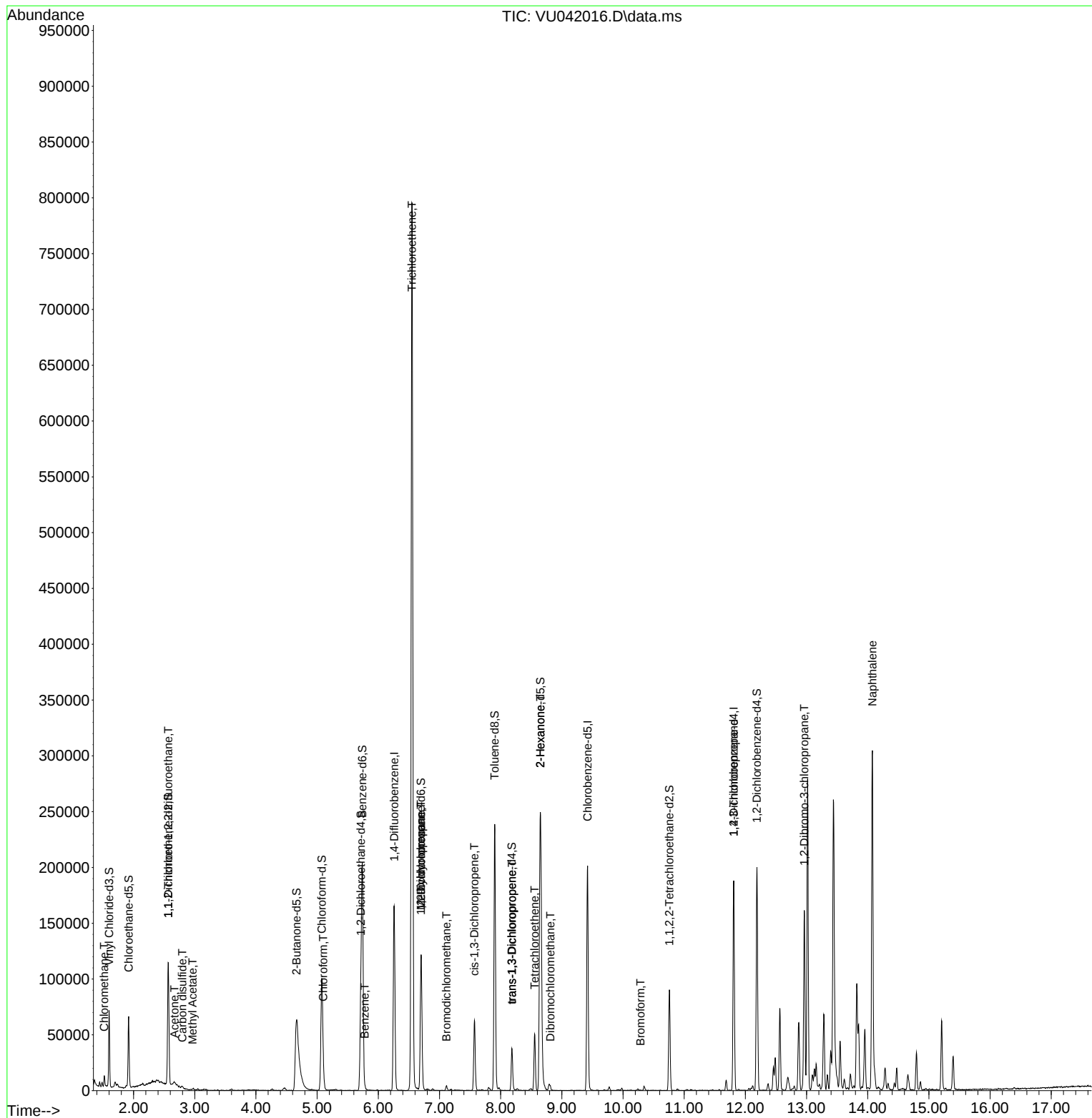
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	14.076	128	235639	15.57	ug/L	100

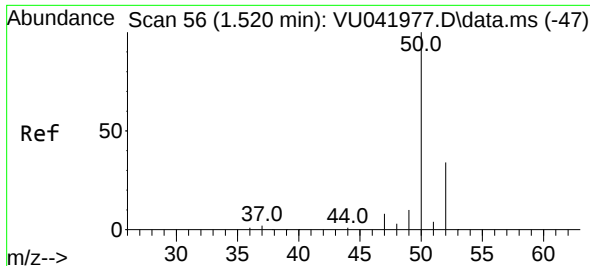
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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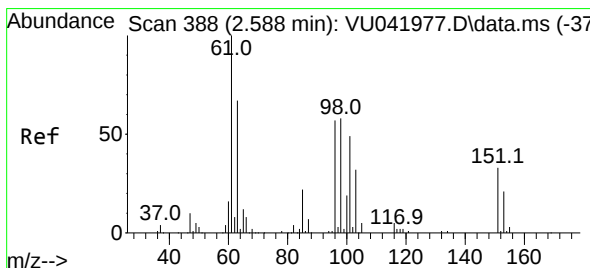
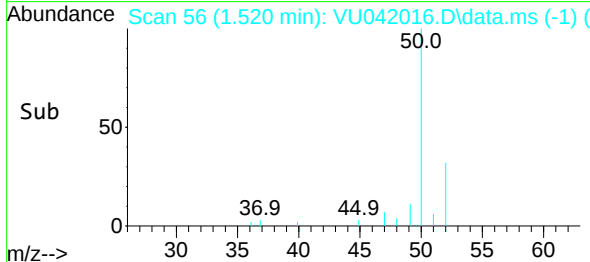
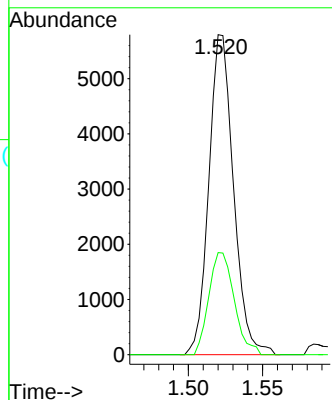
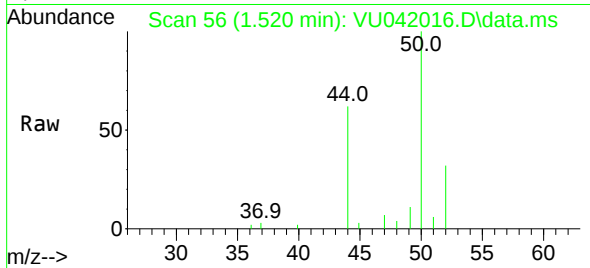




#3
Chloromethane
Concen: 0.44 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

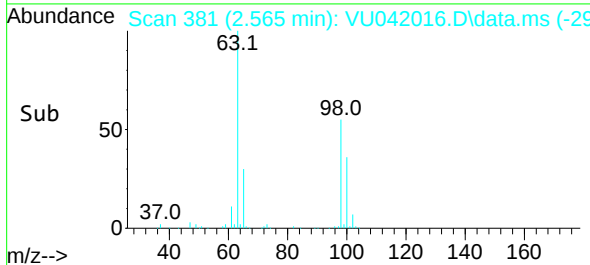
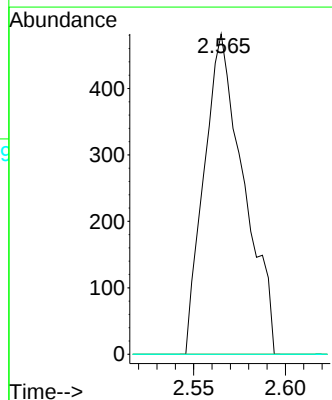
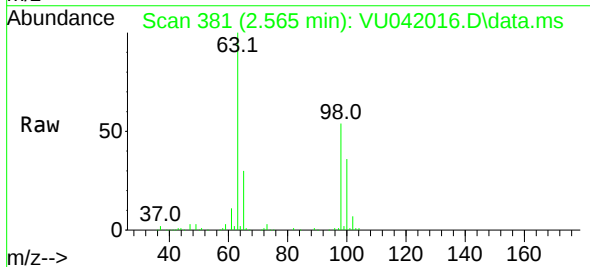
Instrument :
MSVOA_U
ClientSampleId :

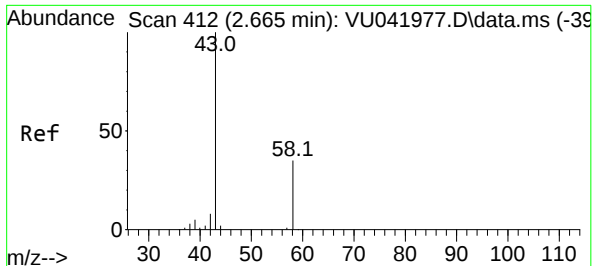
Tgt Ion: 50 Resp: 6698
Ion Ratio Lower Upper
50 100
52 31.9 23.5 43.7



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.07 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.023 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

Tgt Ion: 101 Resp: 723
Ion Ratio Lower Upper
101 100
85 0.0 35.9 53.9#
151 0.0 55.4 83.2#

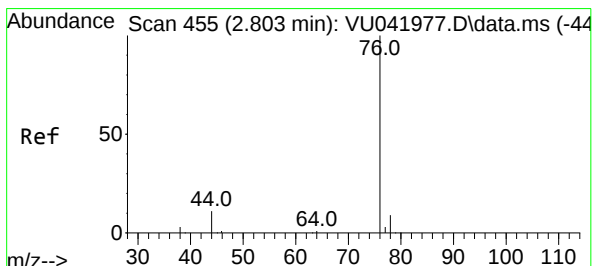
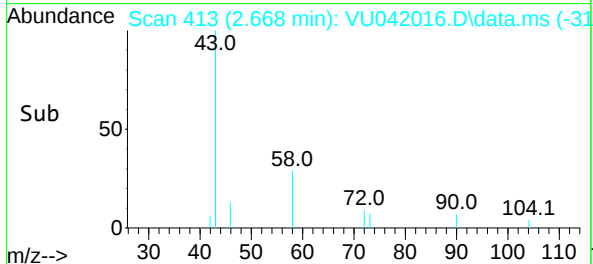
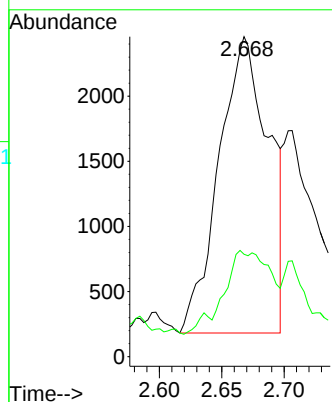
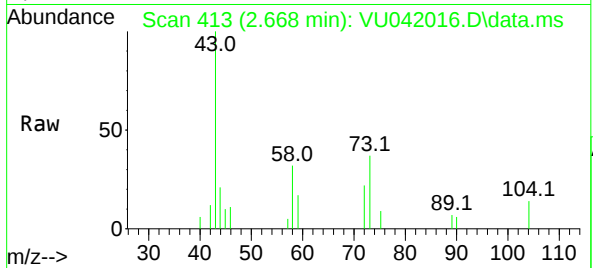




#13
Acetone
Concen: 3.01 ug/L
RT: 2.668 min Scan# 413
Delta R.T. 0.003 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

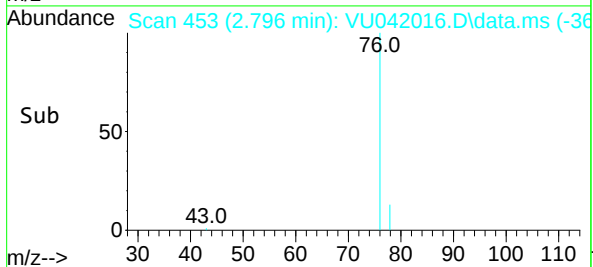
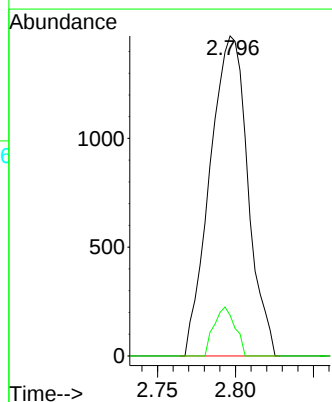
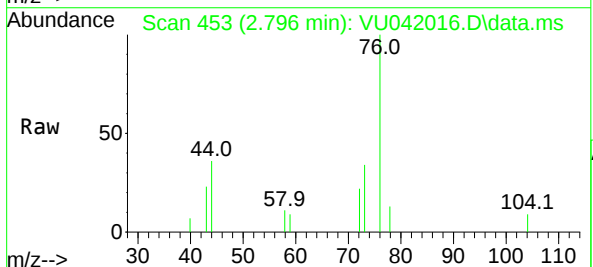
Instrument :
MSVOA_U
ClientSampled :

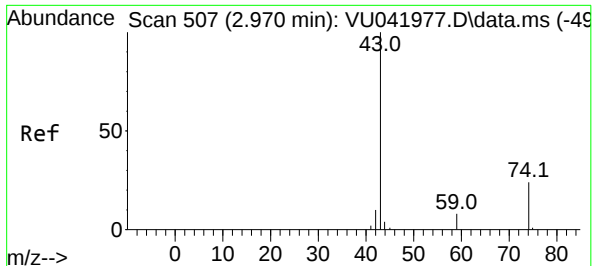
Tgt Ion: 43 Resp: 6281
Ion Ratio Lower Upper
43 100
58 30.6 0.0 57.4



#14
Carbon disulfide
Concen: 0.07 ug/L
RT: 2.796 min Scan# 453
Delta R.T. -0.007 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

Tgt Ion: 76 Resp: 2491
Ion Ratio Lower Upper
76 100
78 12.7 7.4 11.0#

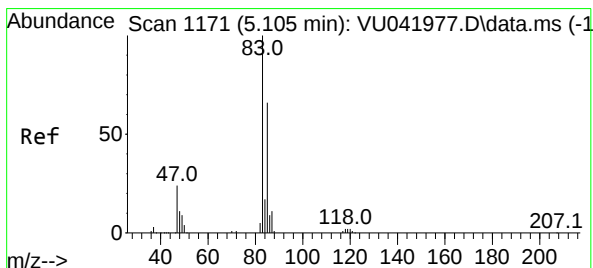
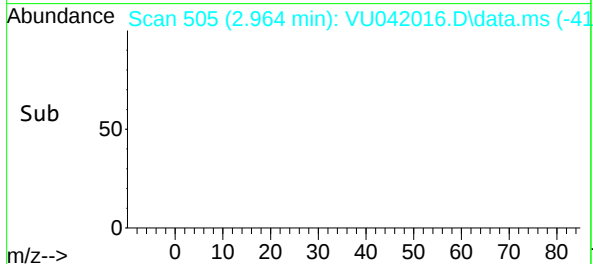
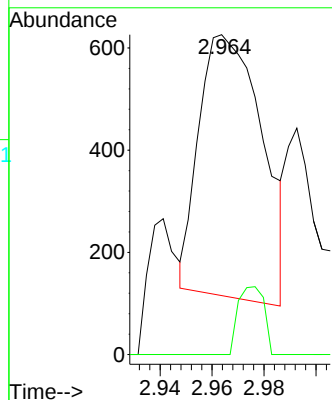
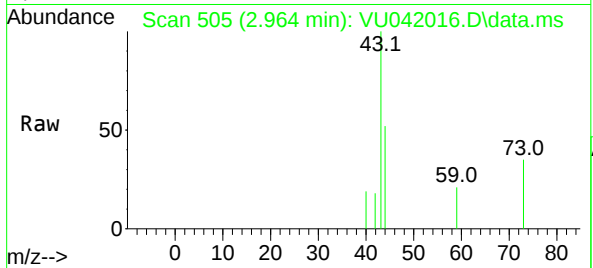




#15
Methyl Acetate
Concen: 0.17 ug/L
RT: 2.964 min Scan# 505
Delta R.T. -0.007 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

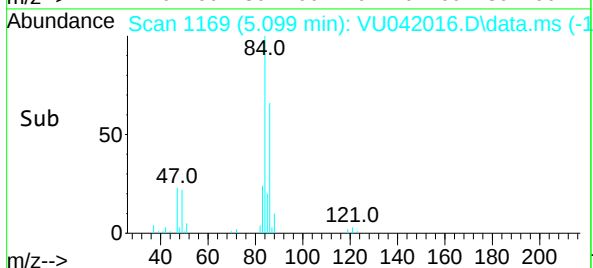
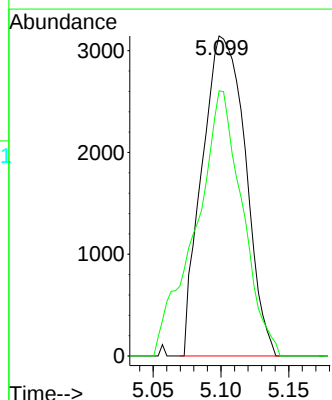
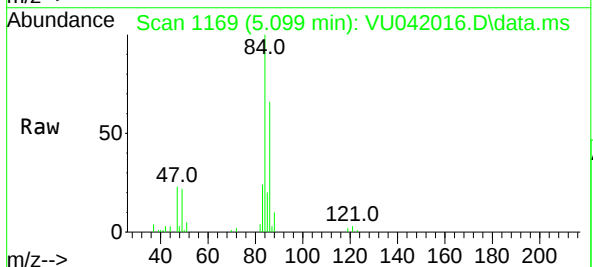
Instrument :
MSVOA_U
ClientSampled :

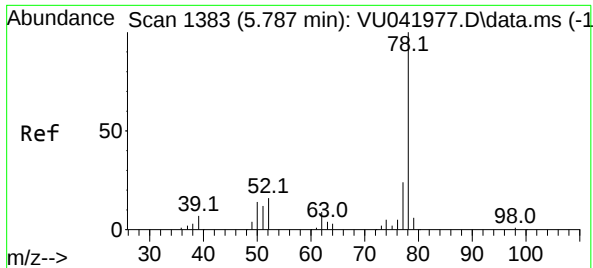
Tgt Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
74 10.8 19.2 28.8#



#25
Chloroform
Concen: 0.34 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. -0.007 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

Tgt Ion: 83 Resp: 6985
Ion Ratio Lower Upper
83 100
85 82.8 46.1 85.7





#33

Benzene

Concen: 0.03 ug/L

RT: 5.777 min Scan# 1380

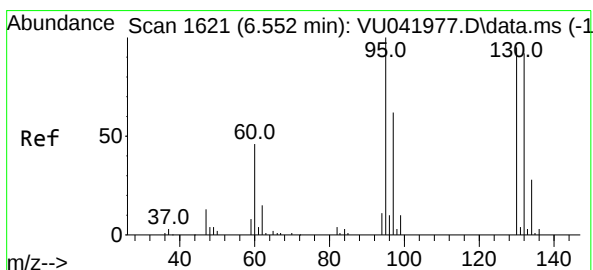
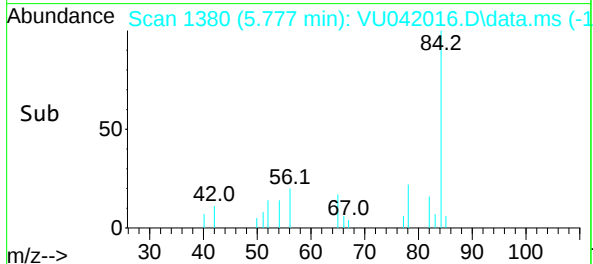
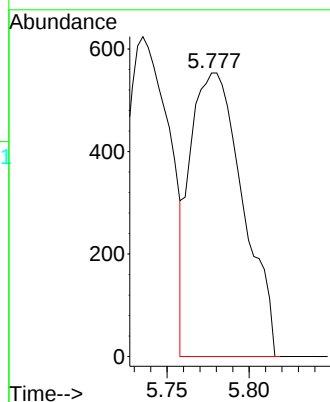
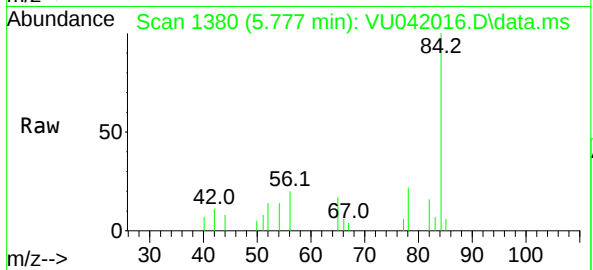
Delta R.T. -0.010 min

Lab File: VU042016.D

Acq: 14 Jan 2021 05:52

Tgt Ion: 78 Resp: 1228

Instrument :
MSVOA_U
ClientSampled :



#34

Trichloroethene

Concen: 28.14 ug/L

RT: 6.549 min Scan# 1620

Delta R.T. -0.003 min

Lab File: VU042016.D

Acq: 14 Jan 2021 05:52

Tgt Ion: 95 Resp: 286513

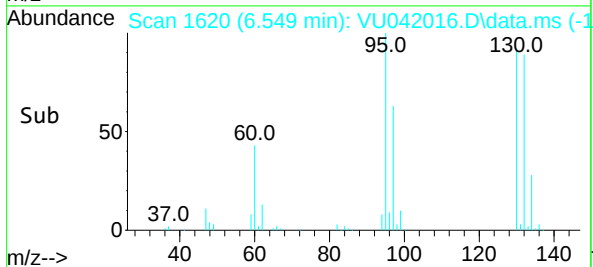
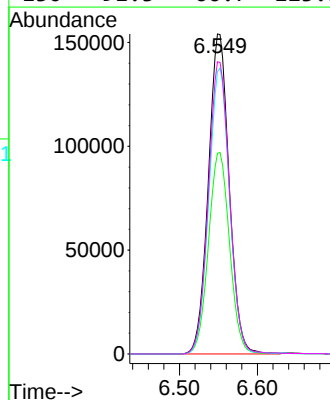
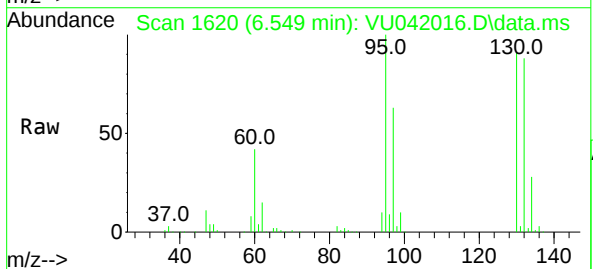
Ion Ratio Lower Upper

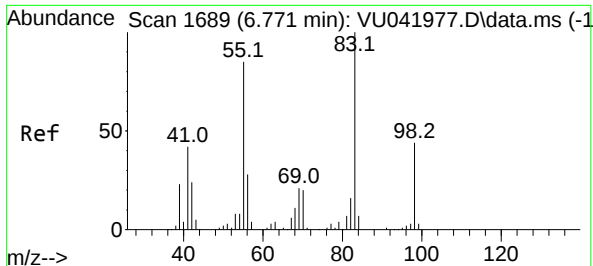
95 100

97 62.7 43.6 81.0

132 88.2 64.3 119.3

130 91.3 66.7 123.9

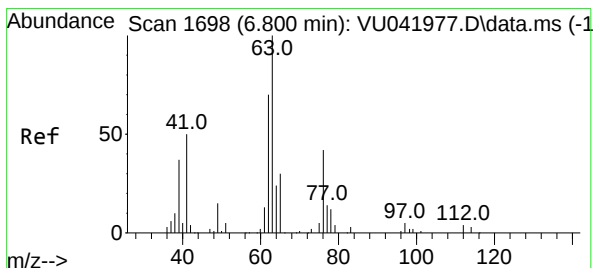
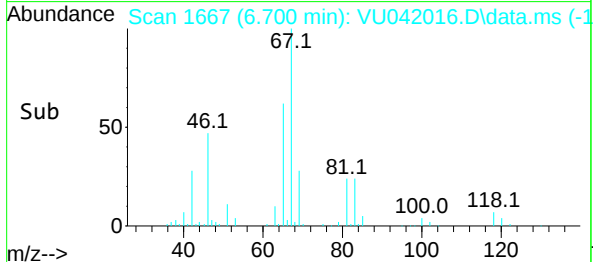
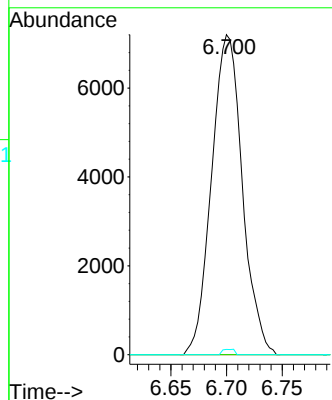
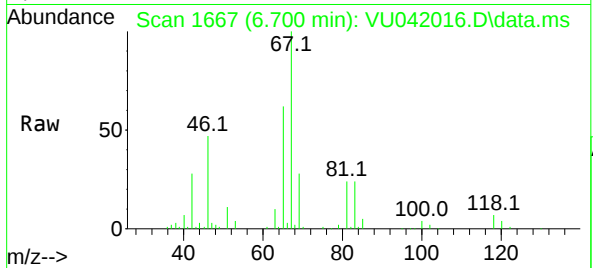




#35
Methylcyclohexane
Concen: 0.86 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

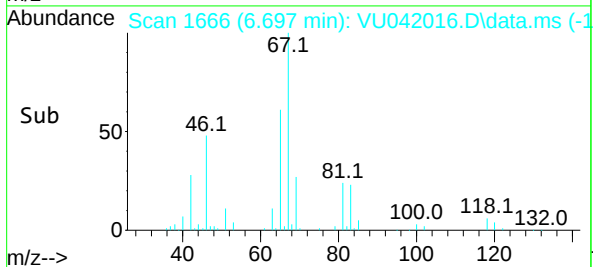
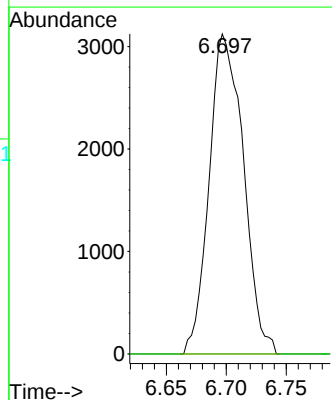
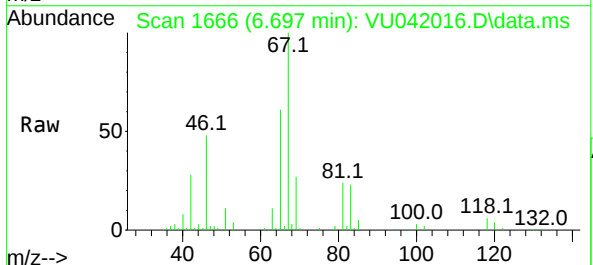
Instrument :
MSVOA_U
ClientSampleId :

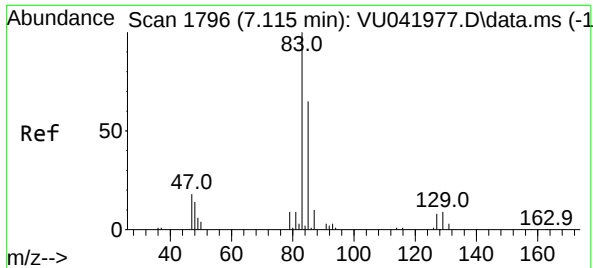
Tgt Ion: 83 Resp: 13844
Ion Ratio Lower Upper
83 100
55 1.6 66.8 100.2#
98 0.0 35.7 53.5#



#37
1,2-Dichloropropane
Concen: 0.59 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

Tgt Ion: 63 Resp: 6199
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

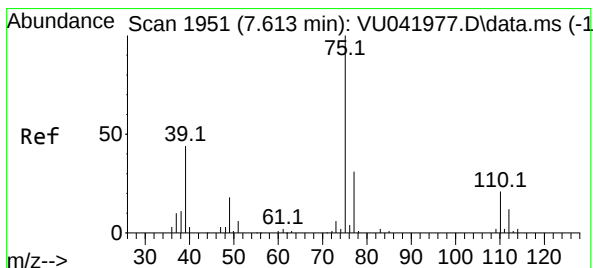
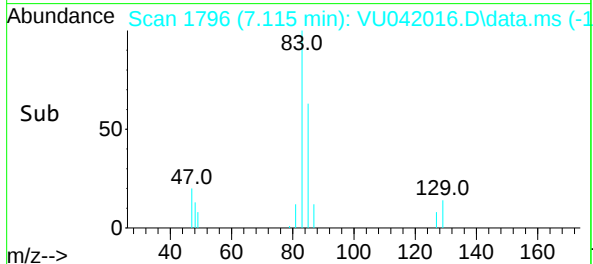
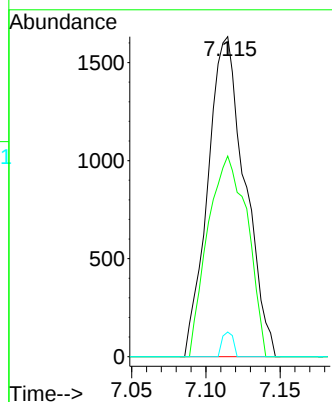
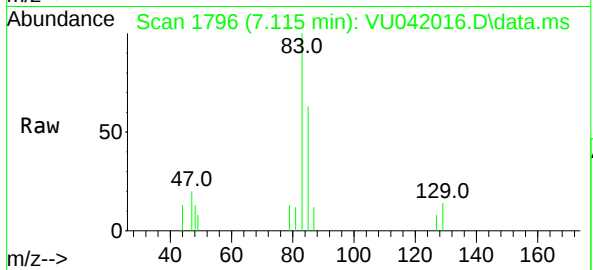




#38
Bromodichloromethane
Concen: 0.21 ug/L
RT: 7.115 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

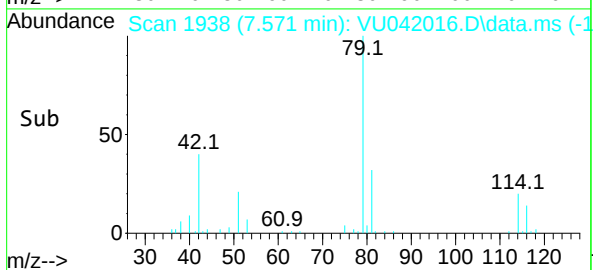
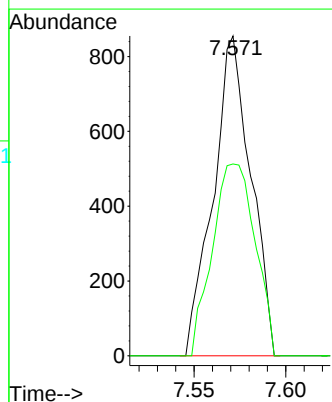
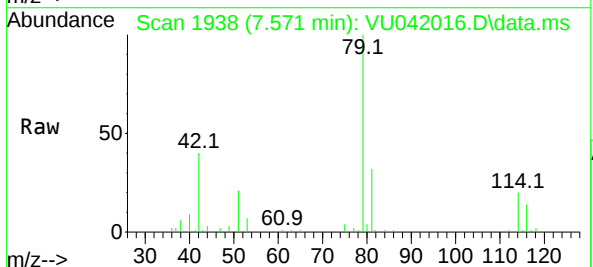
Instrument :
MSVOA_U
ClientSampleId :

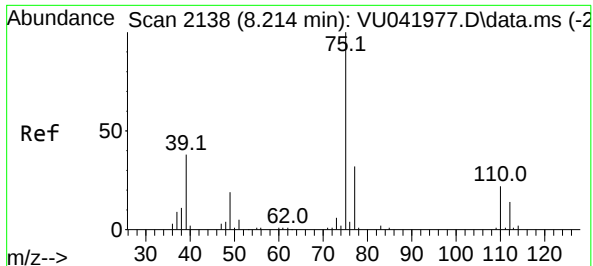
Tgt Ion: 83 Resp: 2835
Ion Ratio Lower Upper
83 100
85 62.7 45.8 85.0
127 7.7 6.1 9.1



#39
cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

Tgt Ion: 75 Resp: 1223
Ion Ratio Lower Upper
75 100
77 60.0 21.9 40.7#

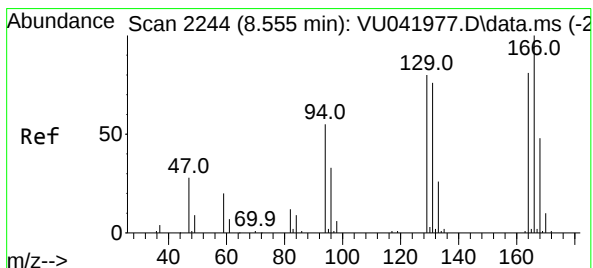
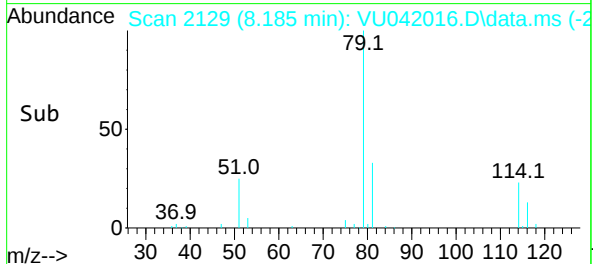
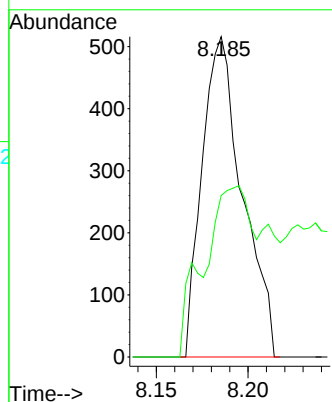
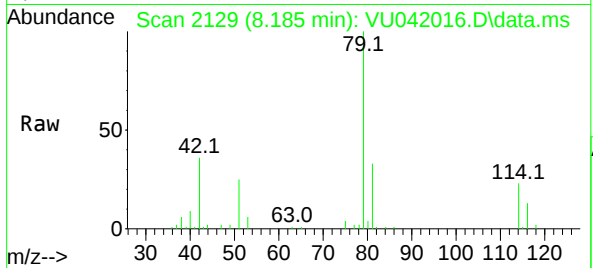




#44
trans-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

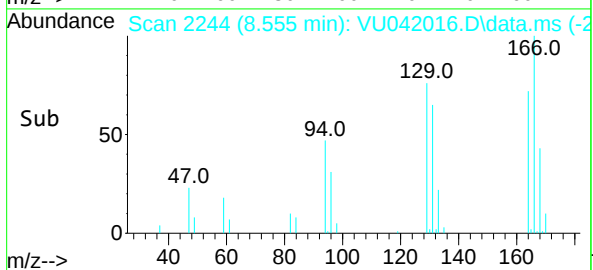
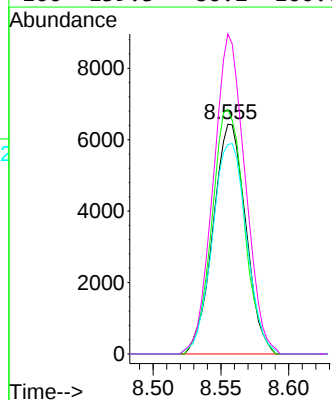
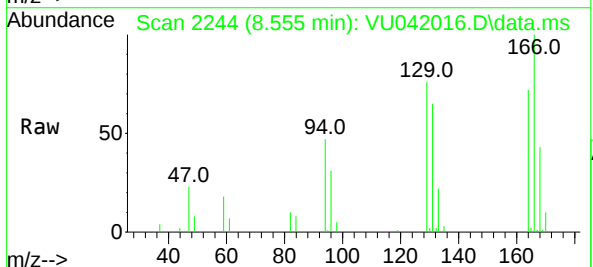
Instrument :
MSVOA_U
ClientSampleId :

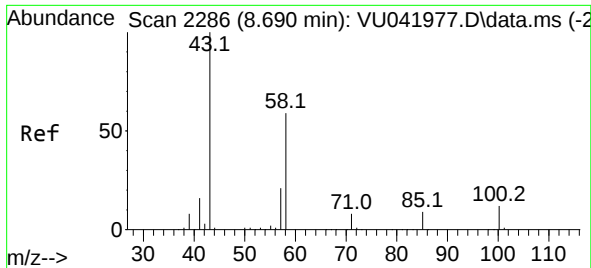
Tgt Ion: 75 Resp: 788
Ion Ratio Lower Upper
75 100
77 50.4 22.0 41.0#



#47
Tetrachloroethene
Concen: 1.63 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

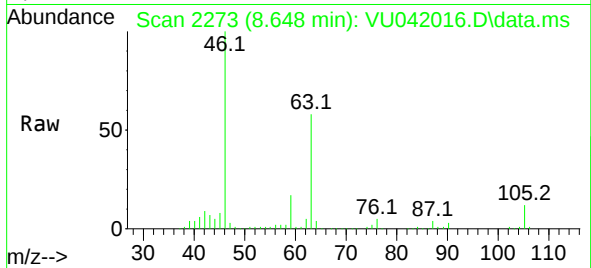
Tgt Ion: 164 Resp: 10761
Ion Ratio Lower Upper
164 100
129 106.4 68.7 127.5
131 91.2 65.2 121.0
166 139.3 86.2 160.0



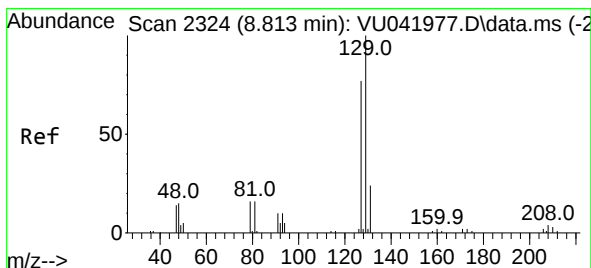
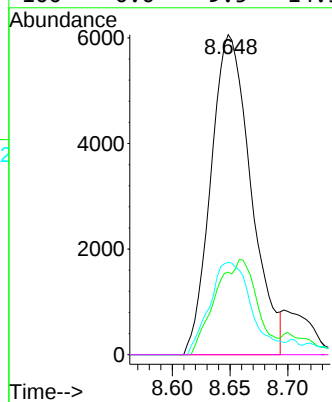
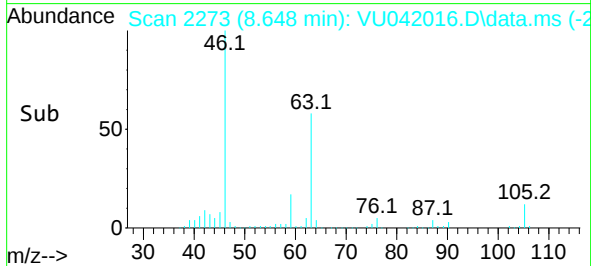


#48
2-Hexanone
Concen: 2.96 ug/L
RT: 8.648 min Scan# 2273
Delta R.T. -0.042 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

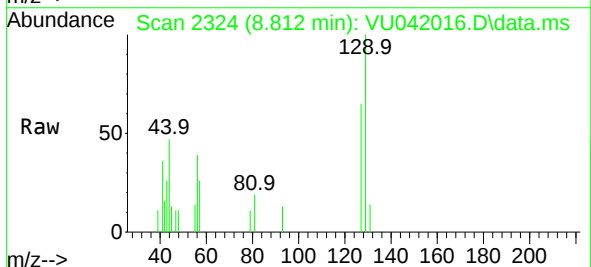
Instrument :
MSVOA_U
ClientSampleId :



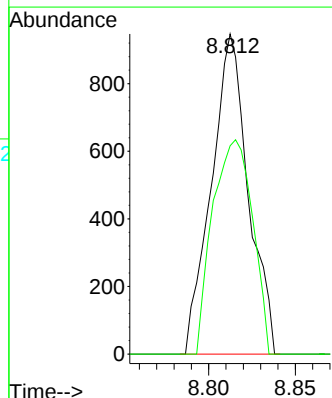
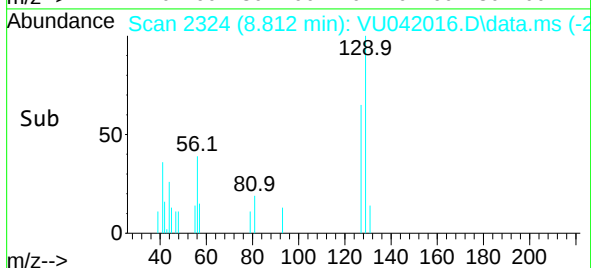
Tgt Ion: 43	Resp: 14585
Ion Ratio	Lower Upper
43	100
58	31.5 47.8 71.8#
57	30.5 17.4 26.0#
100	0.0 9.5 14.3#

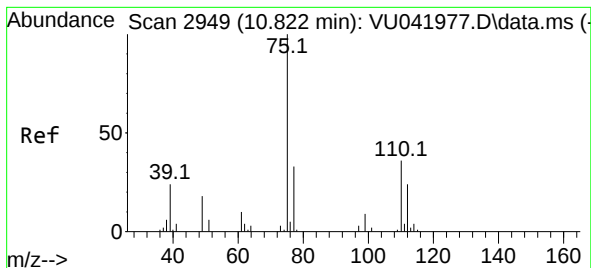


#49
Dibromochloromethane
Concen: 0.17 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52



Tgt Ion: 129	Resp: 1403
Ion Ratio	Lower Upper
129	100
127	65.0 53.7 99.7





#59

1,2,3-Trichloropropane

Concen: 0.86 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.987 min

Lab File: VU042016.D

Acq: 14 Jan 2021 05:52

Tgt Ion: 75 Resp: 5962

Ion Ratio Lower Upper

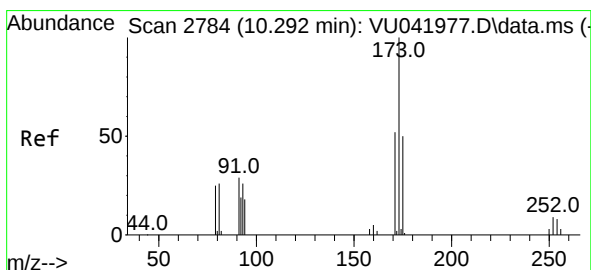
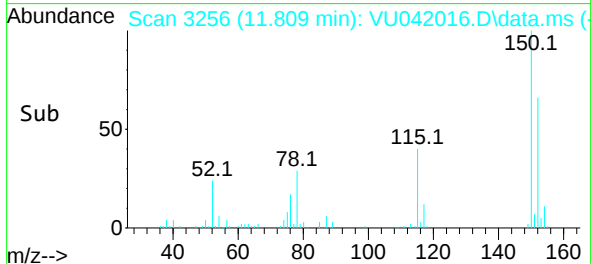
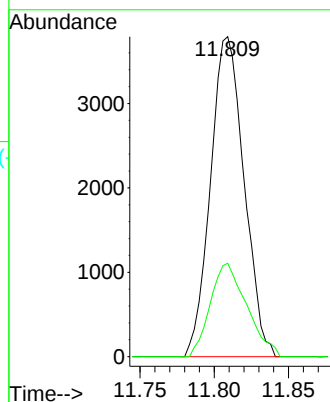
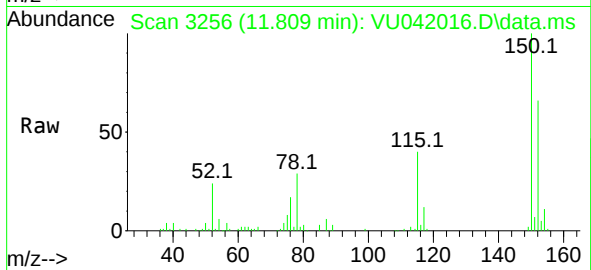
75 100

77 31.7 25.6 38.4

Instrument :

MSVOA_U

ClientSampleId :



#61

Bromoform

Concen: 0.05 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.007 min

Lab File: VU042016.D

Acq: 14 Jan 2021 05:52

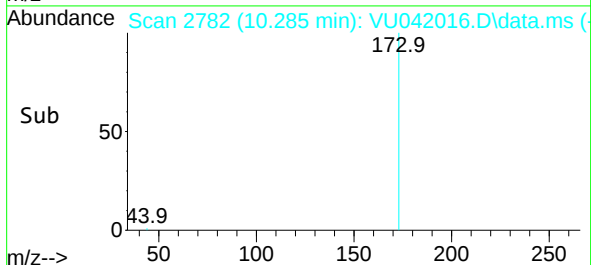
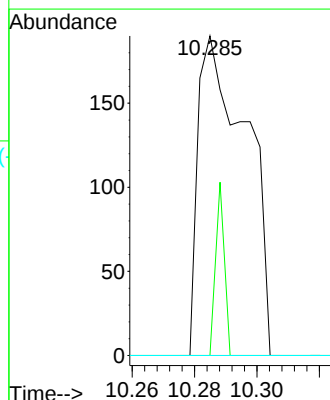
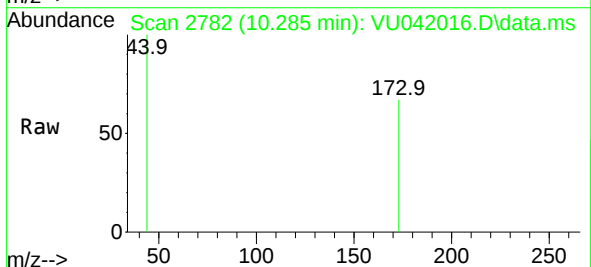
Tgt Ion:173 Resp: 203

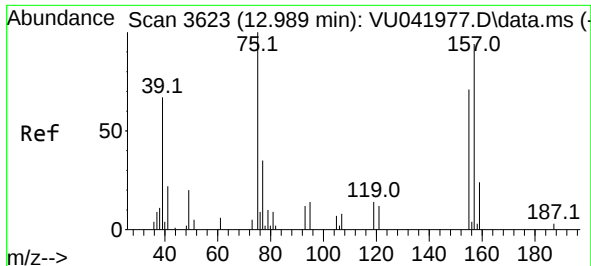
Ion Ratio Lower Upper

173 100

175 9.9 39.1 58.7#

254 0.0 7.2 10.8#

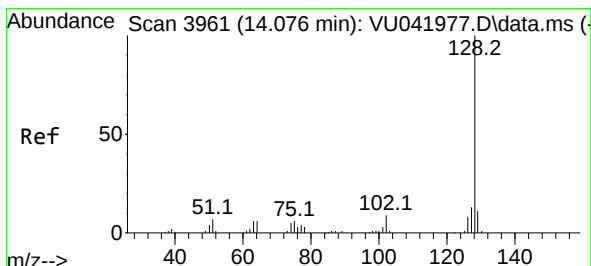
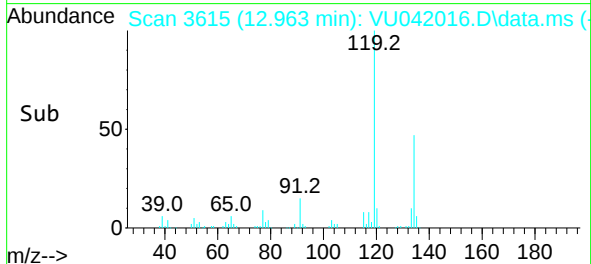
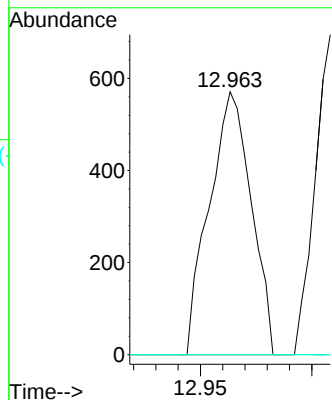
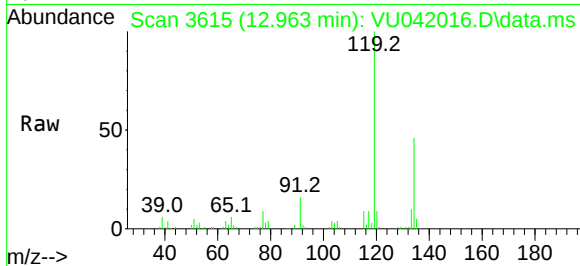




#66
1,2-Dibromo-3-chloropropane
Concen: 0.53 ug/L
RT: 12.963 min Scan# 3615
Delta R.T. -0.026 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 749
Ion Ratio Lower Upper
75 100
155 0.0 56.6 84.8#
157 0.0 75.0 112.4#



#69
Naphthalene
Concen: 15.57 ug/L
RT: 14.076 min Scan# 3961
Delta R.T. -0.000 min
Lab File: VU042016.D
Acq: 14 Jan 2021 05:52

Tgt Ion:128 Resp: 235639
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.3 10.5 15.7

