

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU042000.D
 Acq On : 13 Jan 2021 23:28
 Operator : SY/MD
 Sample : M1065-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 02:47:36 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	6.260	114	101009	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	110612	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	39955	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.601	65	43431	5.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.00%
7) Chloroethane-d5	1.919	69	43715	6.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	121.20%
11) 1,1-Dichloroethene-d2	2.575	63	67381	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.80%
20) 2-Butanone-d5	4.659	46	163267	63.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.66%
24) Chloroform-d	5.080	84	88285	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.20%
26) 1,2-Dichloroethane-d4	5.716	65	46913	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.742	84	157455	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.700	67	53852	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.903	98	141740	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloroprop...	8.182	79	22975	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.642	63	129948	53.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.56%
57) 1,1,2,2-Tetrachloroeth...	10.755	84	48823	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
64) 1,2-Dichlorobenzene-d4	12.189	152	42649	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.389	85	402	0.04	ug/L #	77
3) Chloromethane	1.520	50	712	0.06	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	865	0.11	ug/L #	31
12) 1,1-Dichloroethene	2.581	96	964	0.12	ug/L #	1
13) Acetone	2.662	43	1266	0.79	ug/L	82
15) Methyl Acetate	2.983	43	366	0.09	ug/L #	51
17) Methyl tert-butyl Ether	3.385	73	1991	0.10	ug/L #	83
18) trans-1,2-Dichloroethene	3.363	96	735	0.09	ug/L	91
22) cis-1,2-Dichloroethene	4.684	96	42188	5.02	ug/L	92
25) Chloroform	5.099	83	1837	0.12	ug/L	79
34) Trichloroethene	6.552	95	347847	33.99	ug/L	98
35) Methylcyclohexane	6.700	83	11996	0.74	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	5474	0.51	ug/L #	90
39) cis-1,3-Dichloropropene	7.578	75	1433	0.09	ug/L #	52
44) trans-1,3-Dichloropropene	8.186	75	823	0.06	ug/L #	62
47) Tetrachloroethene	8.559	164	244745	36.93	ug/L	94
48) 2-Hexanone	8.691	43	2575	0.52	ug/L #	49
49) Dibromochloromethane	8.559	129	245767	30.01	ug/L #	11
59) 1,2,3-Trichloropropane	11.809	75	4690	0.67	ug/L	93

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

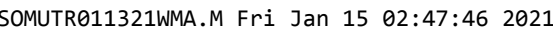
Instrument :
MSVOA_U
ClientSampleId :

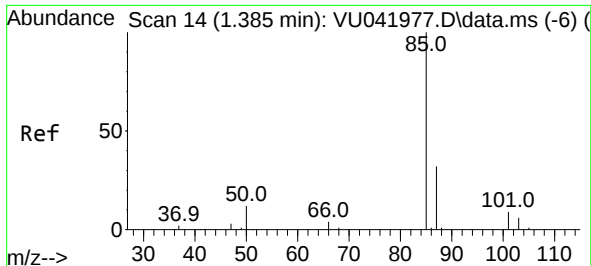
Quant Time: Jan 15 02:47:36 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011321WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 15 02:46:12 2021
Response via : Initial Calibration

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

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

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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

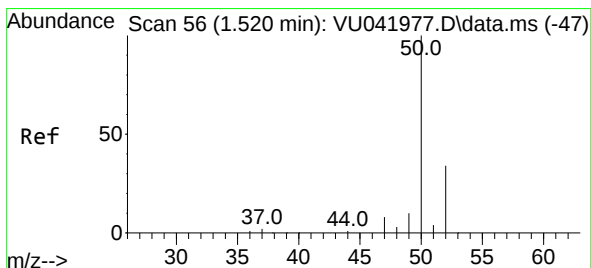
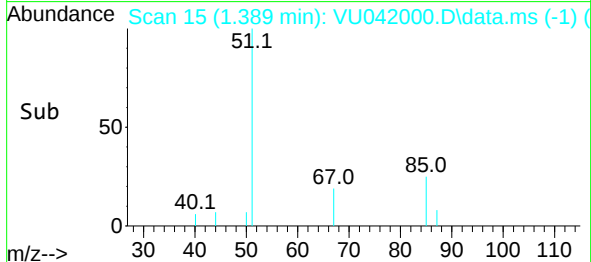
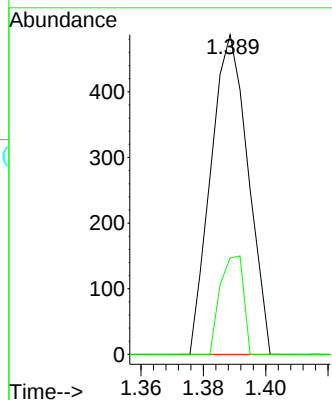
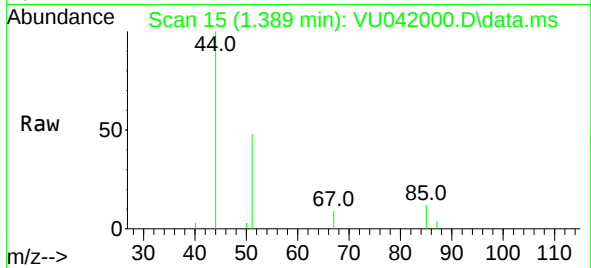




#2
Dichlorodifluoromethane
Concen: 0.04 ug/L
RT: 1.389 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

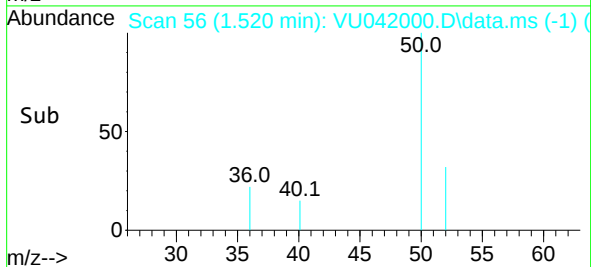
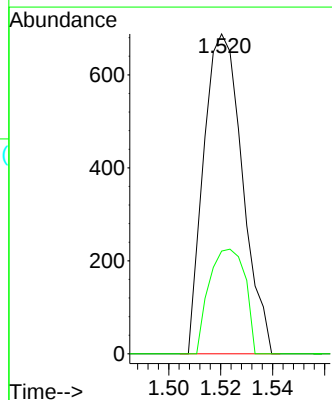
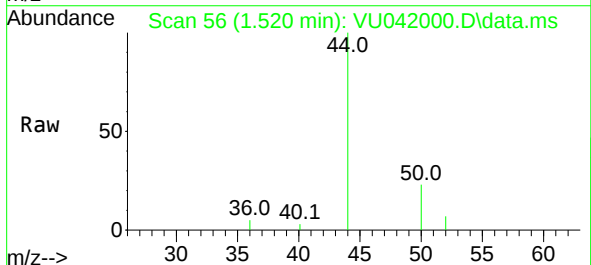
Instrument :
MSVOA_U
ClientSampled :

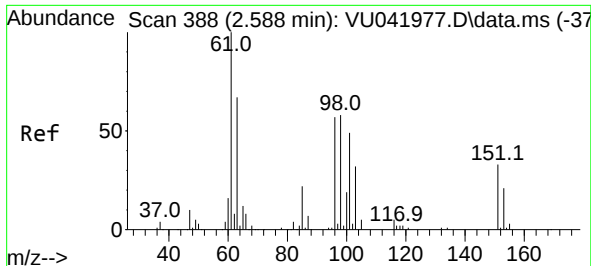
Tgt Ion: 85 Resp: 402
Ion Ratio Lower Upper
85 100
87 19.4 25.7 38.5#



#3
Chloromethane
Concen: 0.06 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

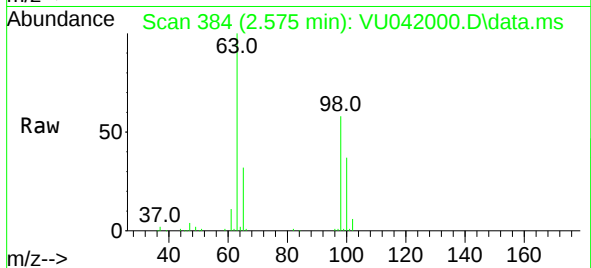
Tgt Ion: 50 Resp: 712
Ion Ratio Lower Upper
50 100
52 32.1 23.5 43.7



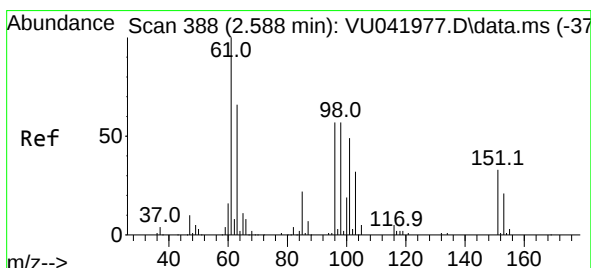
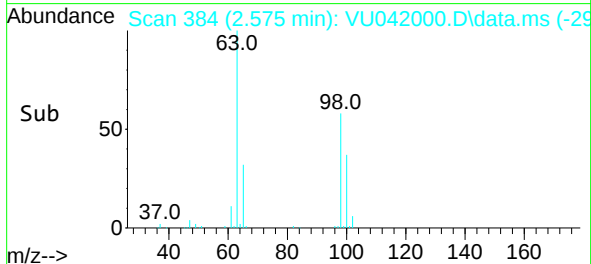
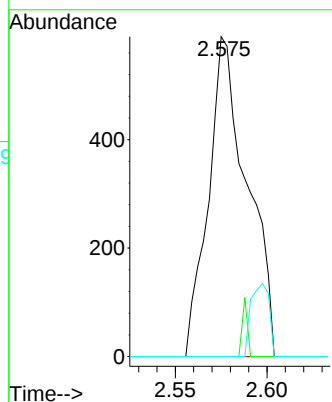


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.11 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.016 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

Instrument :
MSVOA_U
ClientSampled :

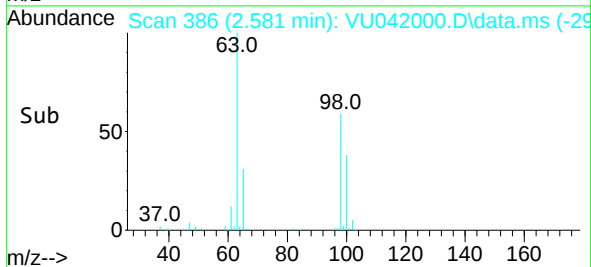
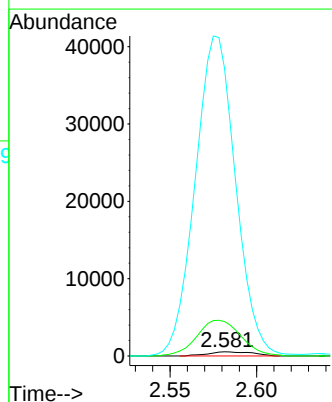
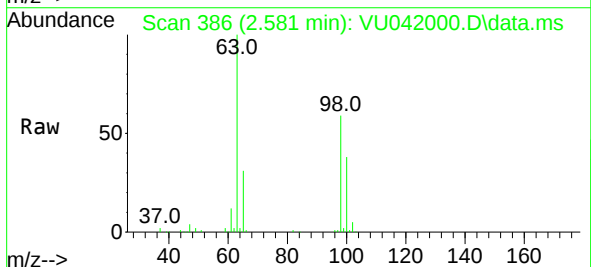


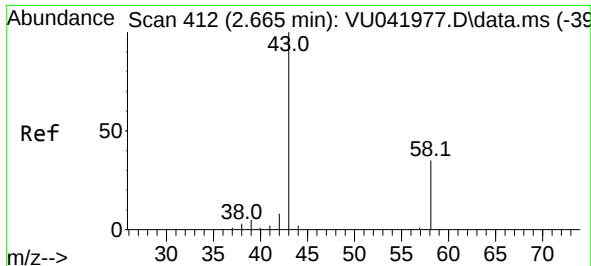
Tgt Ion:101 Resp: 865
Ion Ratio Lower Upper
101 100
85 2.4 35.9 53.9#
151 10.6 55.4 83.2#



#12
1,1-Dichloroethene
Concen: 0.12 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.006 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

Tgt Ion: 96 Resp: 964
Ion Ratio Lower Upper
96 100
61 819.2 122.2 226.9#
63 6869.4 82.8 153.8#

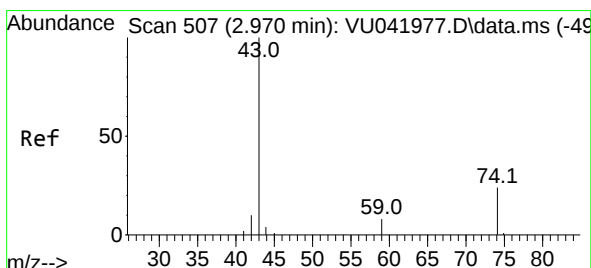
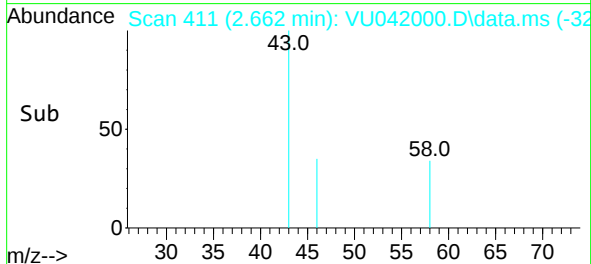
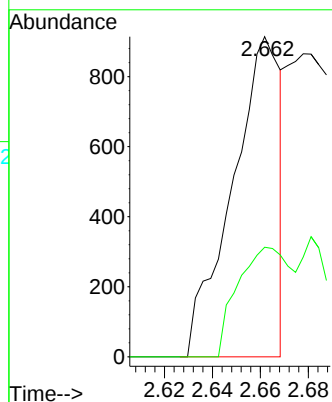
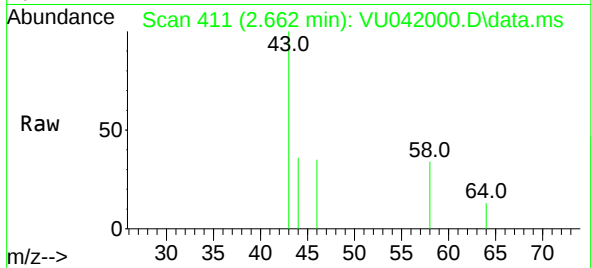




#13
Acetone
Concen: 0.79 ug/L
RT: 2.662 min Scan# 411
Delta R.T. -0.009 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

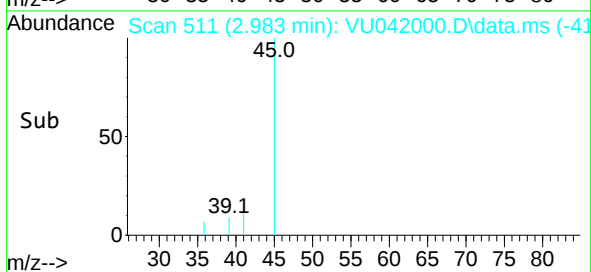
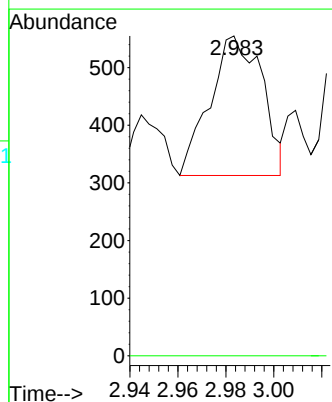
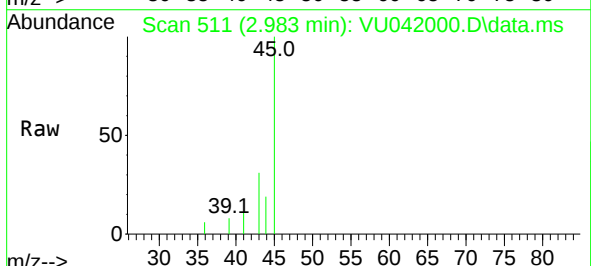
Instrument :
MSVOA_U
ClientSampled :

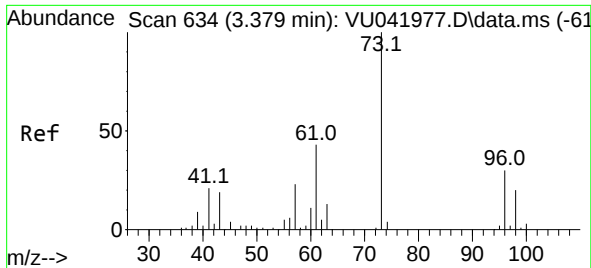
Tgt Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
58 38.5 0.0 57.4



#15
Methyl Acetate
Concen: 0.09 ug/L
RT: 2.983 min Scan# 511
Delta R.T. 0.010 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#

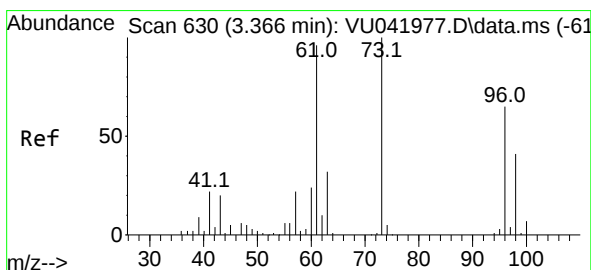
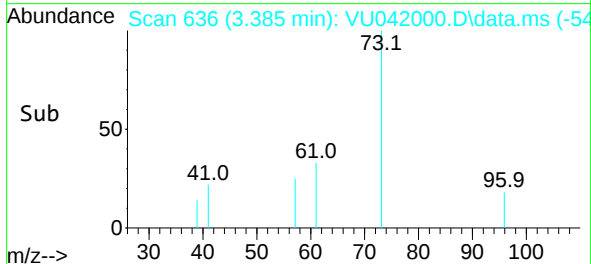
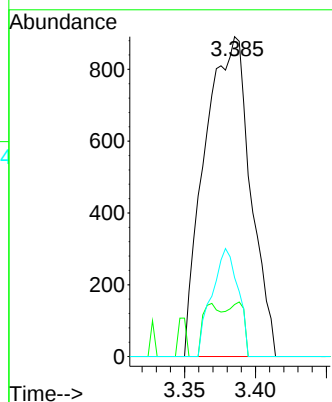
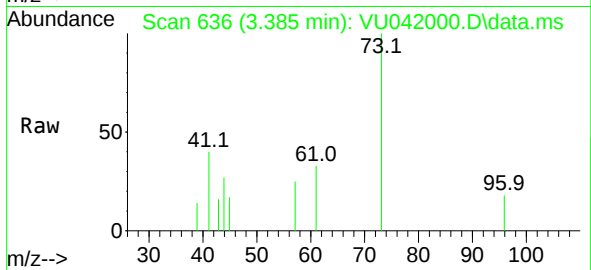




#17
Methyl tert-butyl Ether
Concen: 0.10 ug/L
RT: 3.385 min Scan# 636
Delta R.T. 0.007 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

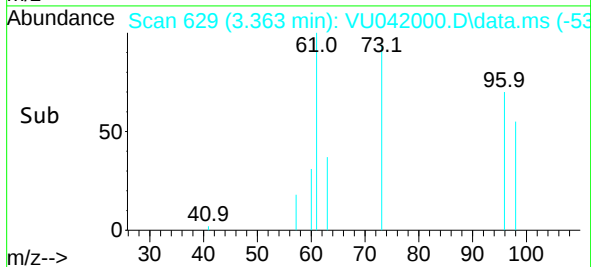
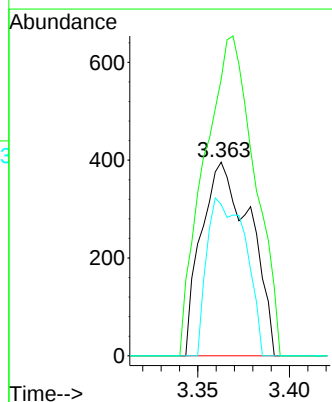
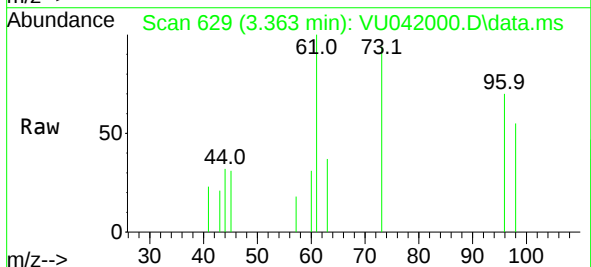
Instrument :
MSVOA_U
ClientSampled :

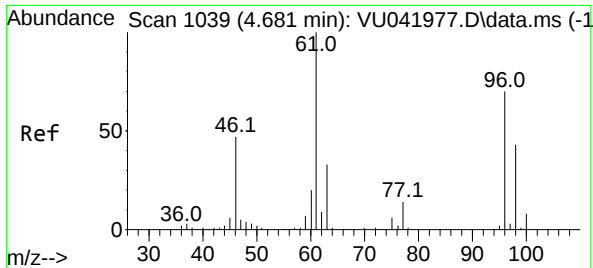
Tgt Ion: 73 Resp: 1991
Ion Ratio Lower Upper
73 100
43 5.5 15.1 22.7#
57 19.4 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 0.09 ug/L
RT: 3.363 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

Tgt Ion: 96 Resp: 735
Ion Ratio Lower Upper
96 100
61 142.7 103.2 191.6
98 78.0 43.8 81.3

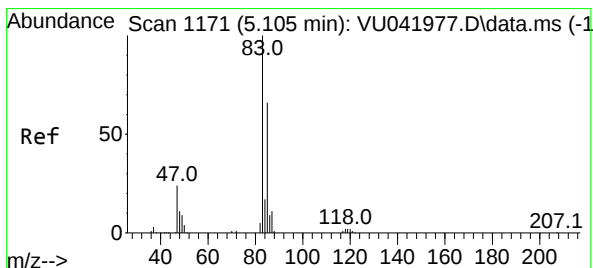
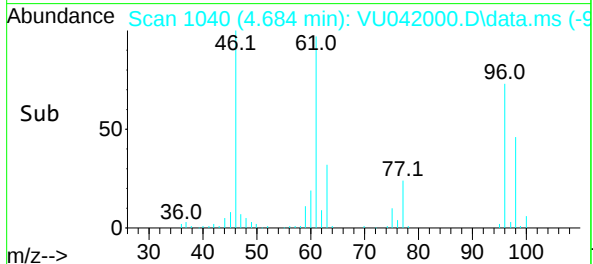
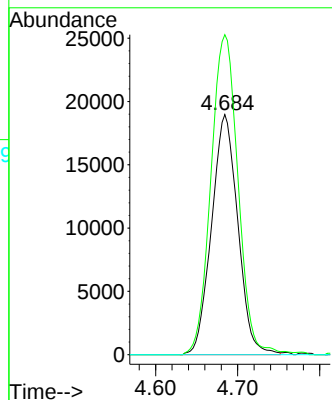
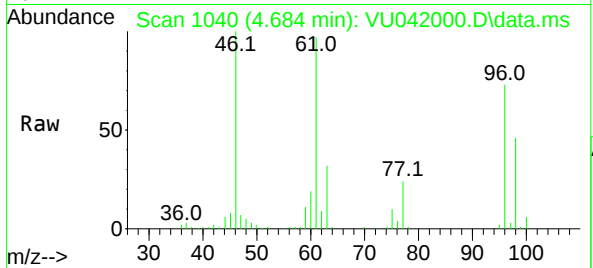




#22
cis-1,2-Dichloroethene
Concen: 5.02 ug/L
RT: 4.684 min Scan# 1040
Delta R.T. 0.003 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

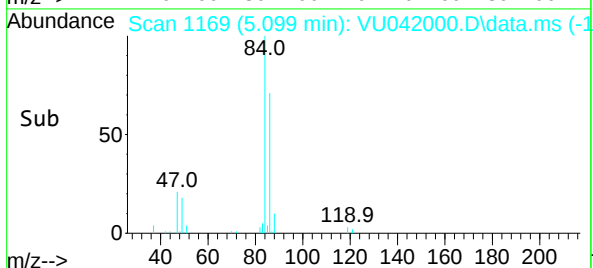
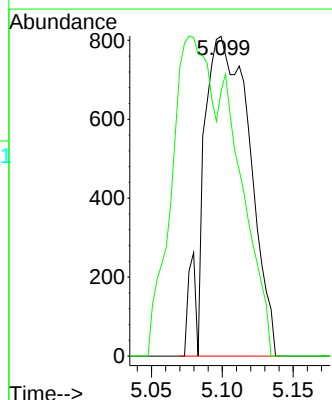
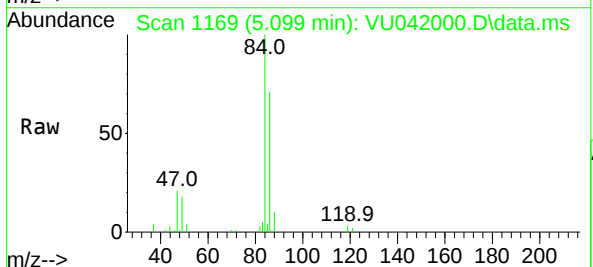
Instrument :
MSVOA_U
ClientSampled :

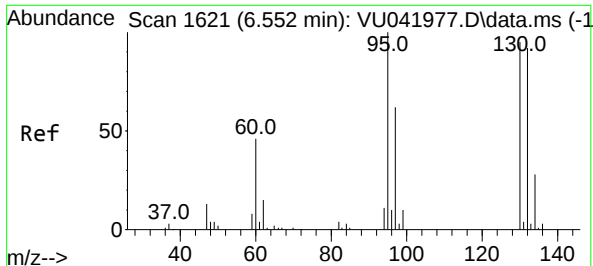
Tgt Ion: 96 Resp: 42188
Ion Ratio Lower Upper
96 100
61 133.2 100.3 186.3
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.12 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. -0.006 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

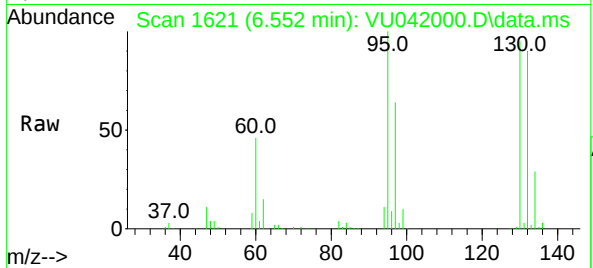
Tgt Ion: 83 Resp: 1837
Ion Ratio Lower Upper
83 100
85 82.7 46.1 85.7





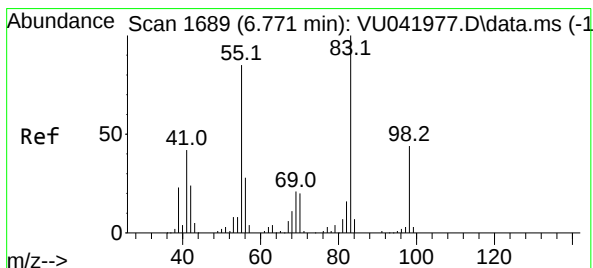
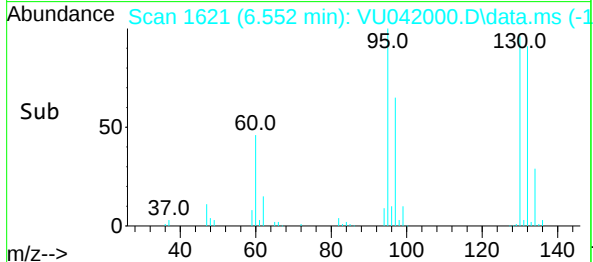
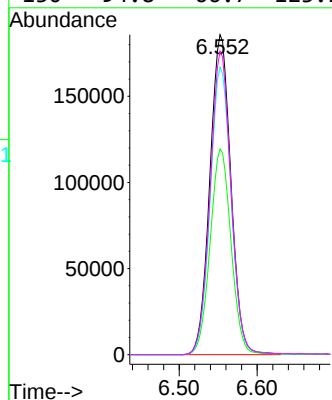
#34
Trichloroethene
Concen: 33.99 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion: 95 Resp: 347847

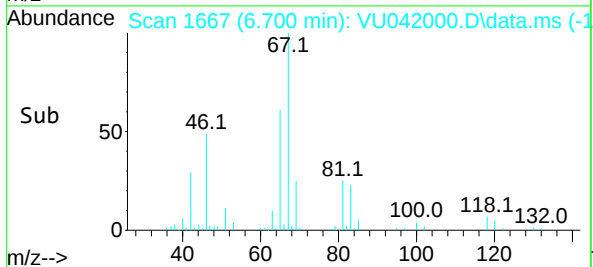
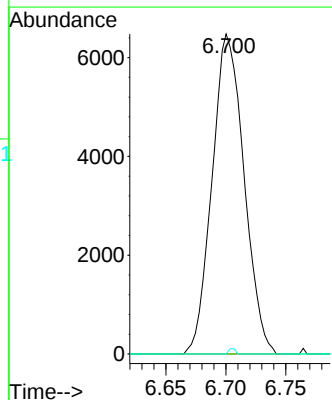
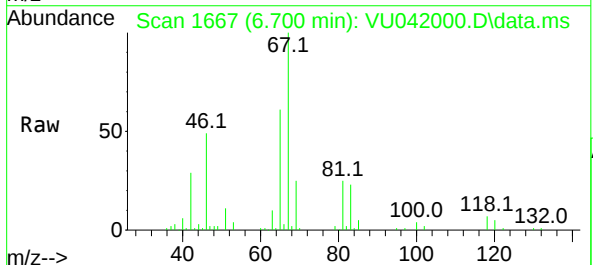
Ion	Ratio	Lower	Upper
95	100		
97	64.3	43.6	81.0
132	89.9	64.3	119.3
130	94.8	66.7	123.9

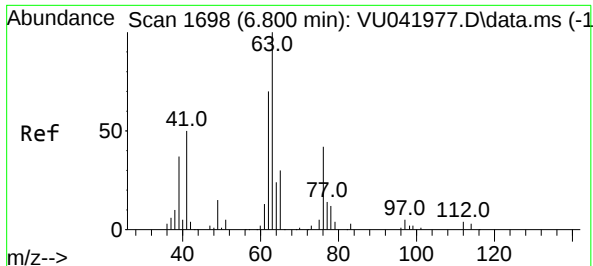


#35
Methylcyclohexane
Concen: 0.74 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.074 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

Tgt Ion: 83 Resp: 11996

Ion	Ratio	Lower	Upper
83	100		
55	0.0	66.8	100.2#
98	0.0	35.7	53.5#



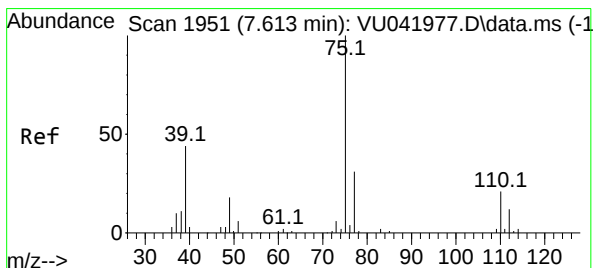
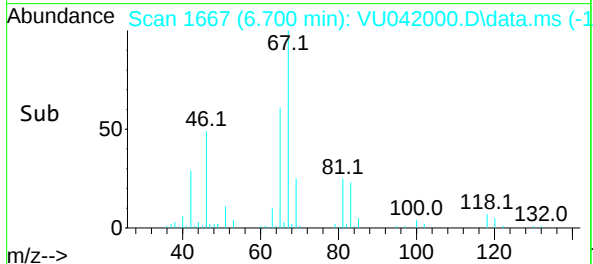
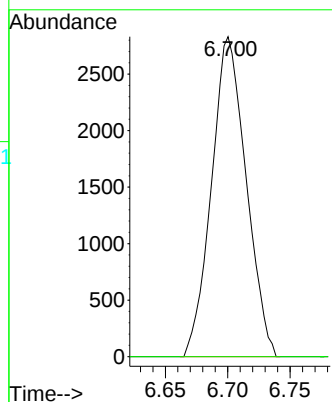
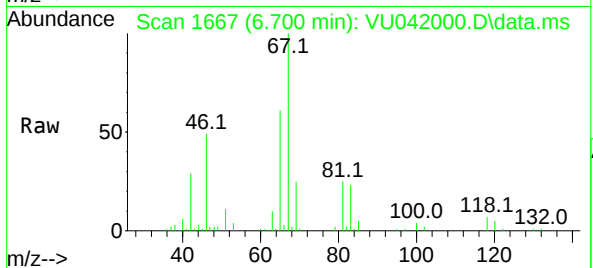


#37

1,2-Dichloropropane
Concen: 0.51 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.103 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

Instrument :
MSVOA_U
ClientSampleId :

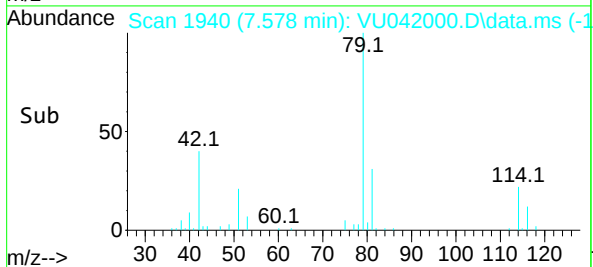
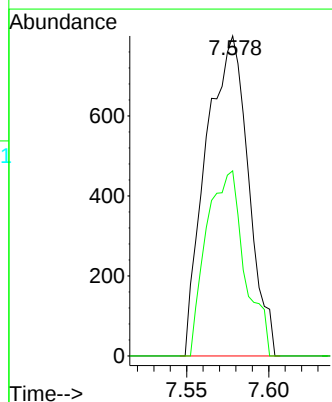
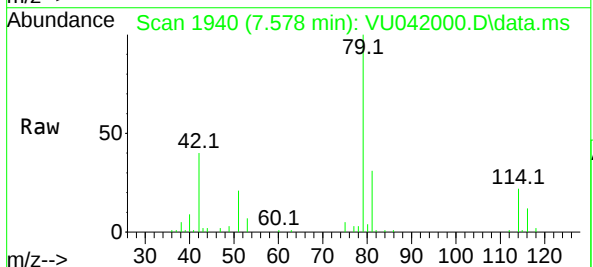
Tgt Ion: 63 Resp: 5474
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

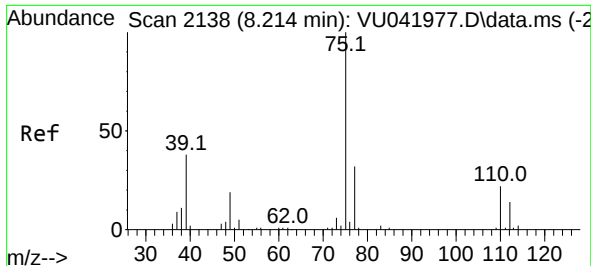


#39

cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.578 min Scan# 1940
Delta R.T. -0.035 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

Tgt Ion: 75 Resp: 1433
Ion Ratio Lower Upper
75 100
77 57.9 21.9 40.7#

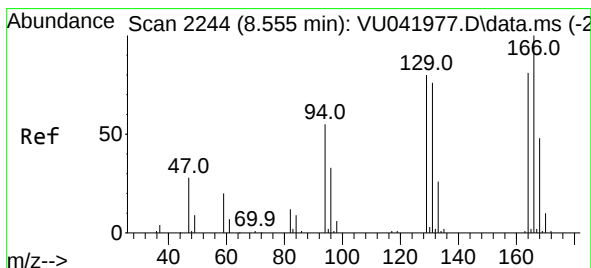
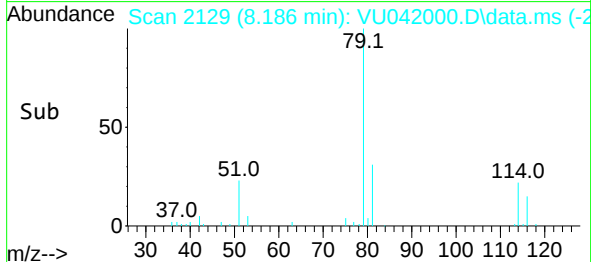
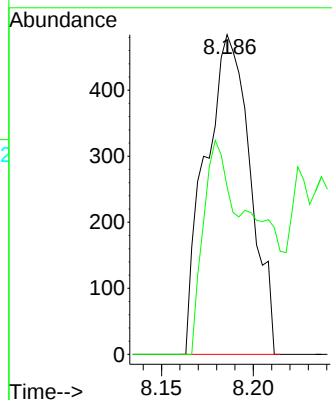
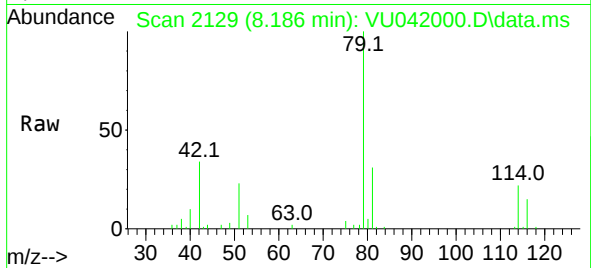




#44
trans-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 8.186 min Scan# 2129
Delta R.T. -0.032 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

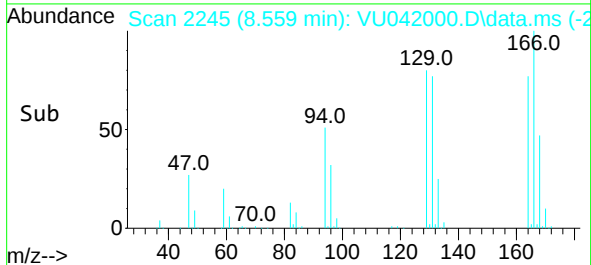
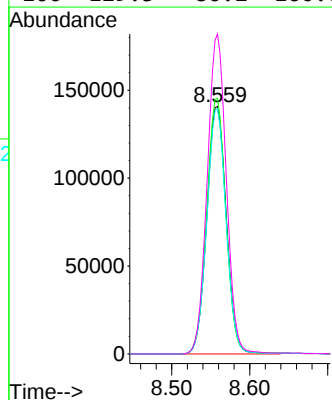
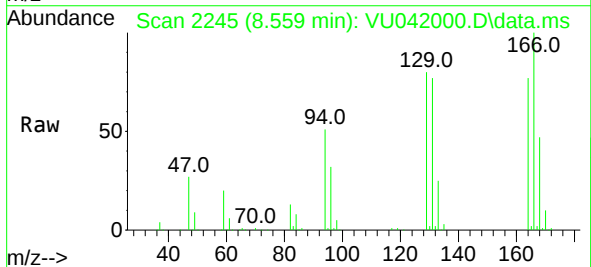
Instrument :
MSVOA_U
ClientSampled :

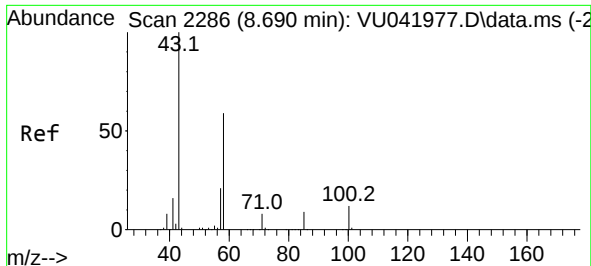
Tgt Ion: 75 Resp: 823
Ion Ratio Lower Upper
75 100
77 52.5 22.0 41.0#



#47
Tetrachloroethene
Concen: 36.93 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

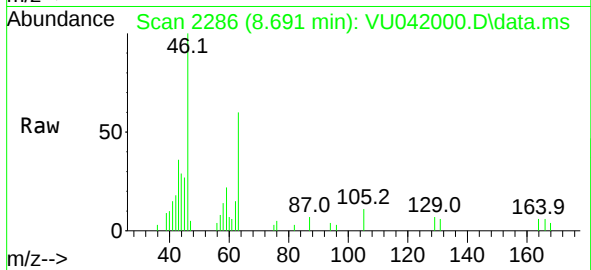
Tgt Ion:164 Resp: 244745
Ion Ratio Lower Upper
164 100
129 103.3 68.7 127.5
131 99.1 65.2 121.0
166 129.3 86.2 160.0



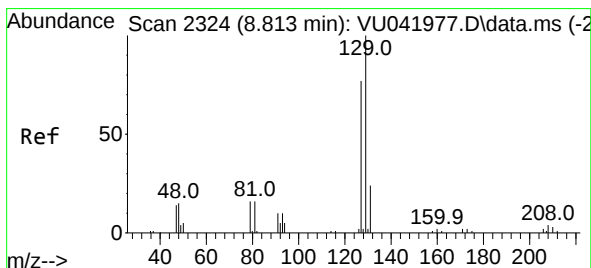
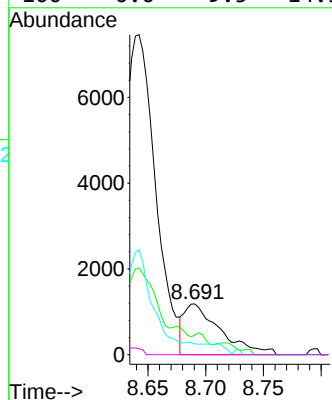
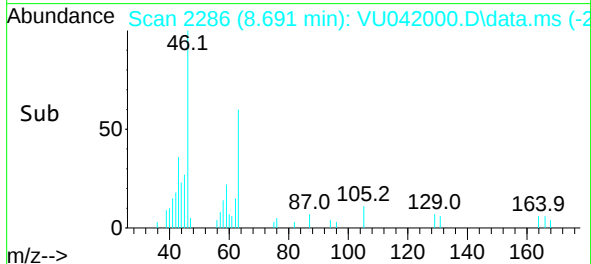


#48
2-Hexanone
Concen: 0.52 ug/L
RT: 8.691 min Scan# 2286
Delta R.T. 0.000 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28

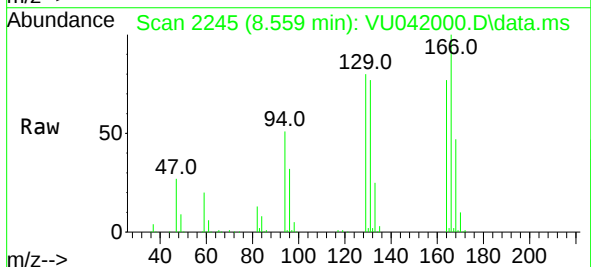
Instrument :
MSVOA_U
ClientSampled :



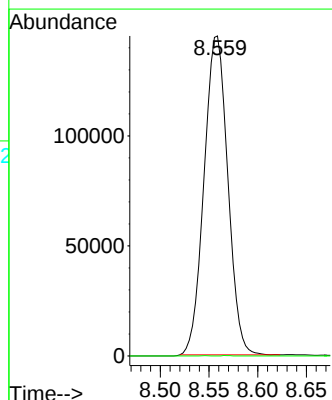
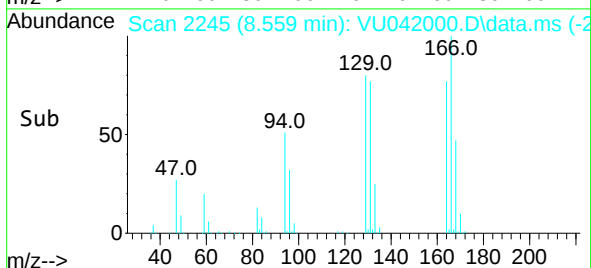
Tgt Ion: 43	Resp: 2575
Ion Ratio	Lower Upper
43	100
58	16.9 47.8 71.8#
57	0.0 17.4 26.0#
100	0.0 9.5 14.3#

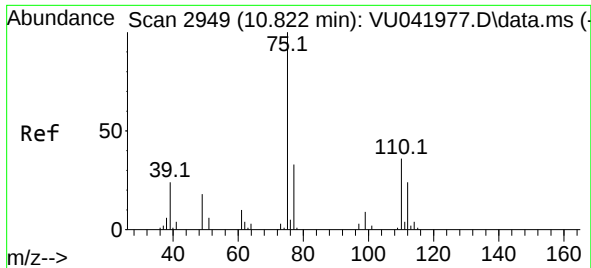


#49
Dibromochloromethane
Concen: 30.01 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.254 min
Lab File: VU042000.D
Acq: 13 Jan 2021 23:28



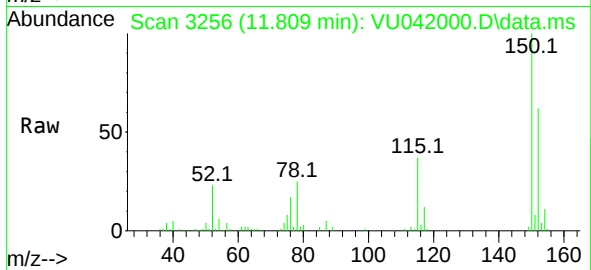
Tgt Ion: 129	Resp: 245767
Ion Ratio	Lower Upper
129	100
127	0.0 53.7 99.7#





#59
 1,2,3-Trichloropropane
 Concen: 0.67 ug/L
 RT: 11.809 min Scan# 3256
 Delta R.T. 0.987 min
 Lab File: VU042000.D
 Acq: 13 Jan 2021 23:28

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 4690
 Ion Ratio Lower Upper
 75 100
 77 35.7 25.6 38.4

