

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU042012.D
 Acq On : 14 Jan 2021 04:16
 Operator : SY/MD
 Sample : M1065-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 02:51:23 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	6.263	114	106975	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	118302	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	41254	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.600	65	39579	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.919	69	41725	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.20%
11) 1,1-Dichloroethene-d2	2.575	63	58344	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.652	46	147260	54.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.72%
24) Chloroform-d	5.079	84	92679	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.20%
26) 1,2-Dichloroethane-d4	5.716	65	48412	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.742	84	163373	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.700	67	55331	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.902	98	135977	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloroprop...	8.185	79	21158	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.642	63	119989	46.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.86%
57) 1,1,2,2-Tetrachloroeth...	10.754	84	47188	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.188	152	43220	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.388	85	2122	0.22	ug/L 97
3) Chloromethane	1.520	50	1560	0.13	ug/L 97
9) Trichlorofluoromethane	2.144	101	5819	0.36	ug/L 91
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	1649	0.19	ug/L # 71
12) 1,1-Dichloroethene	2.594	96	1865	0.22	ug/L # 1
13) Acetone	2.661	43	4071	2.40	ug/L 68
17) Methyl tert-butyl Ether	3.378	73	3629	0.17	ug/L # 85
18) trans-1,2-Dichloroethene	3.366	96	1000	0.12	ug/L # 63
19) 1,1-Dichloroethane	3.890	63	2233	0.13	ug/L 92
22) cis-1,2-Dichloroethene	4.684	96	54561	6.13	ug/L 96
25) Chloroform	5.105	83	5656	0.34	ug/L 97
27) 1,2-Dichloroethane	5.809	62	670	0.06	ug/L # 75
31) Carbon tetrachloride	5.539	117	1427	0.10	ug/L 98
34) Trichloroethene	6.552	95	526156	48.08	ug/L 98
35) Methylcyclohexane	6.700	83	12537	0.72	ug/L # 16
37) 1,2-Dichloropropane	6.697	63	5731	0.50	ug/L # 90
39) cis-1,3-Dichloropropene	7.574	75	1290	0.08	ug/L # 27
47) Tetrachloroethene	8.555	164	57380	8.09	ug/L 93
49) Dibromochloromethane	8.555	129	58726	6.70	ug/L # 11

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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

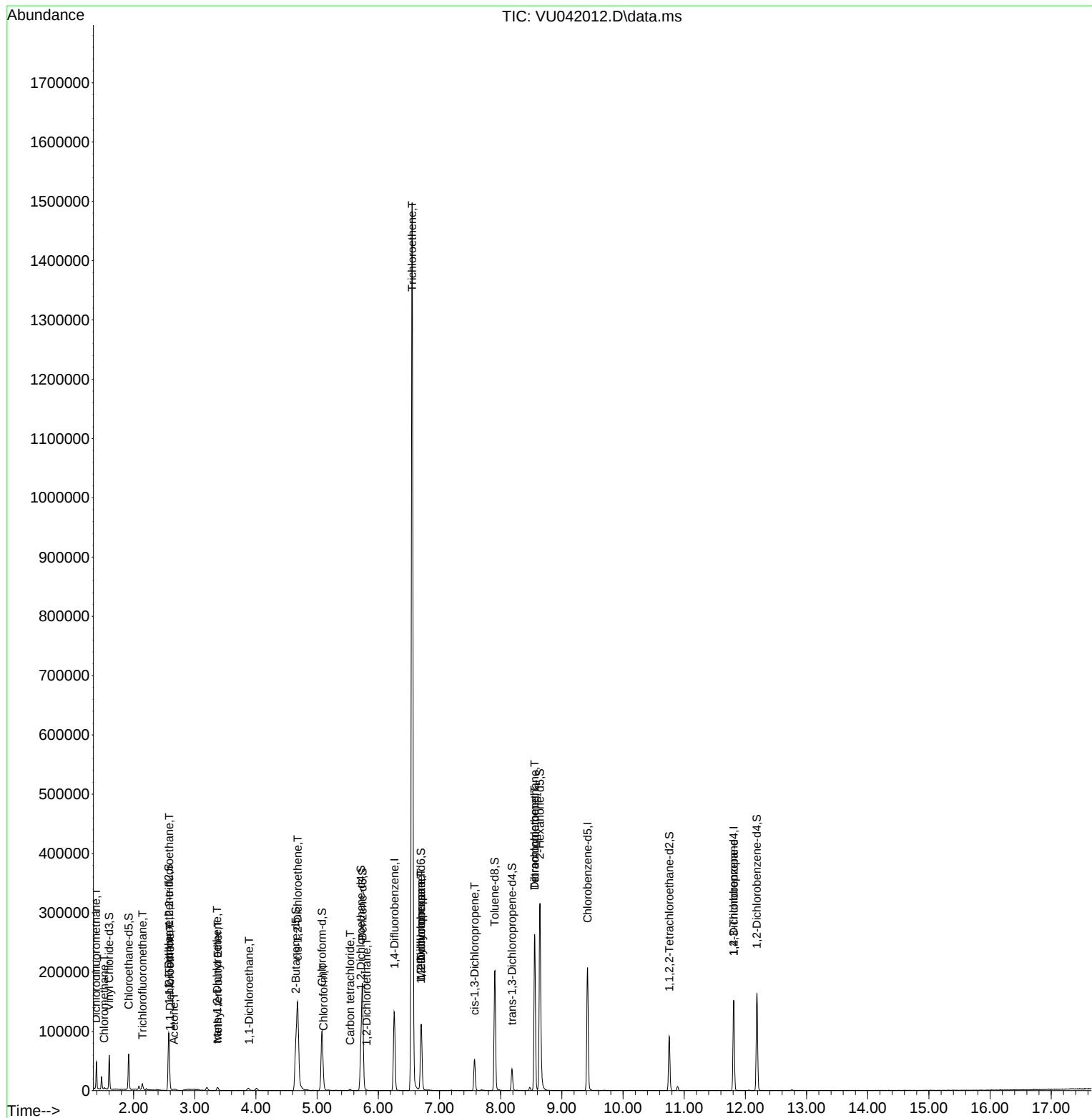
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.809	75	5088	0.68	ug/L	100

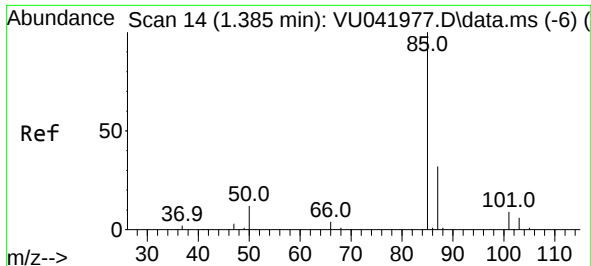
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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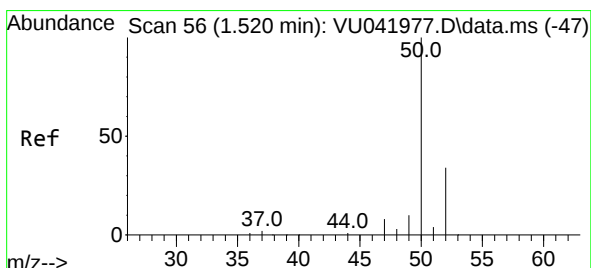
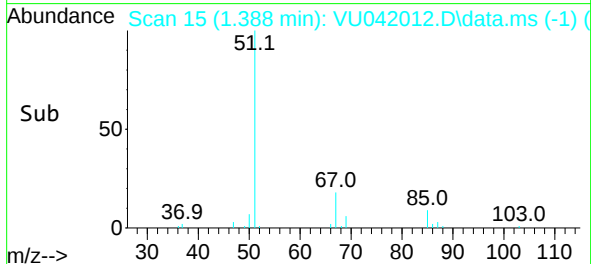
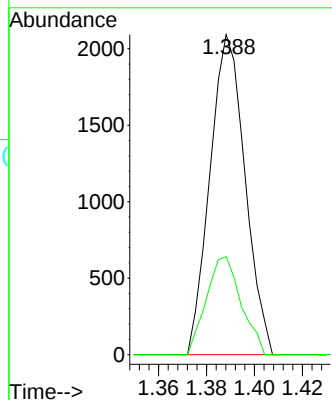
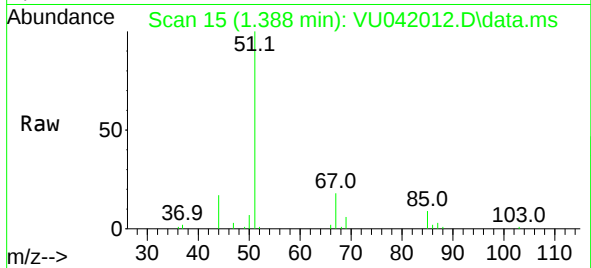




#2
Dichlorodifluoromethane
Concen: 0.22 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU042012.D
Acq: 14 Jan 2021 04:16

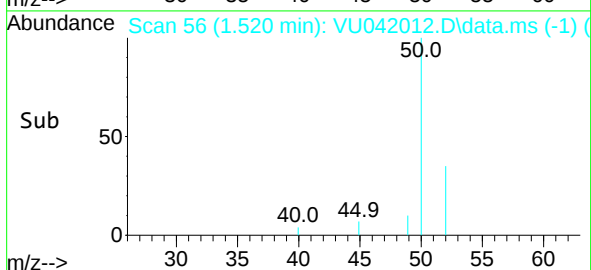
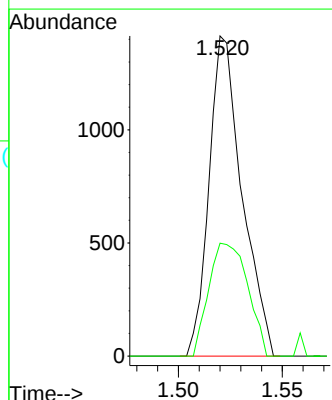
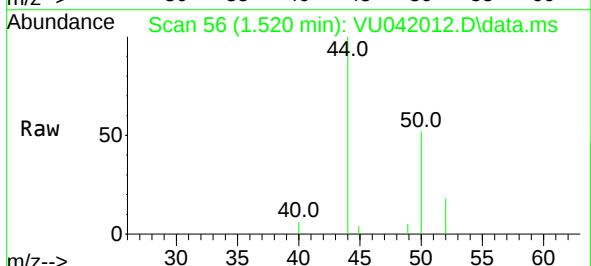
Instrument :
MSVOA_U
ClientSampled :

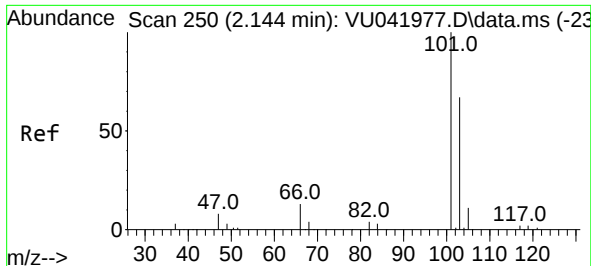
Tgt Ion: 85 Resp: 2122
Ion Ratio Lower Upper
85 100
87 30.3 25.7 38.5



#3
Chloromethane
Concen: 0.13 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU042012.D
Acq: 14 Jan 2021 04:16

Tgt Ion: 50 Resp: 1560
Ion Ratio Lower Upper
50 100
52 35.3 23.5 43.7

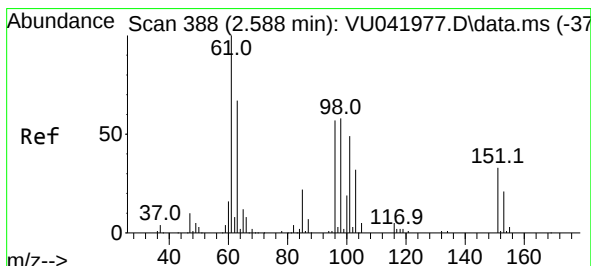
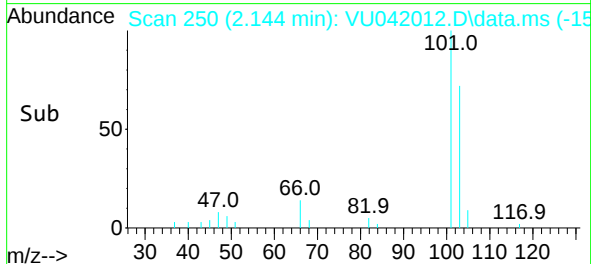
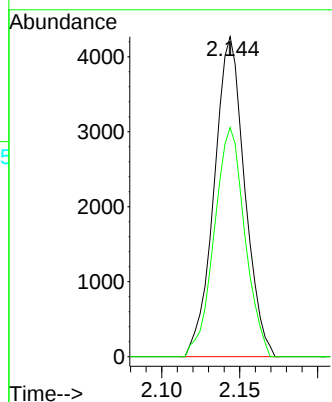
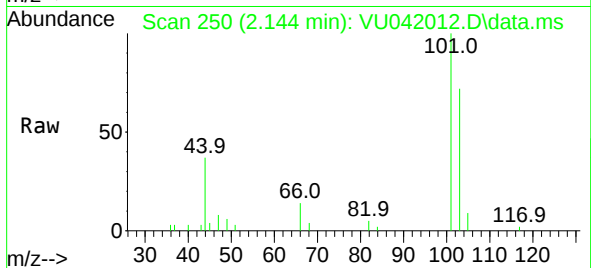




#9
 Trichlorofluoromethane
 Concen: 0.36 ug/L
 RT: 2.144 min Scan# 250
 Delta R.T. -0.000 min
 Lab File: VU042012.D
 Acq: 14 Jan 2021 04:16

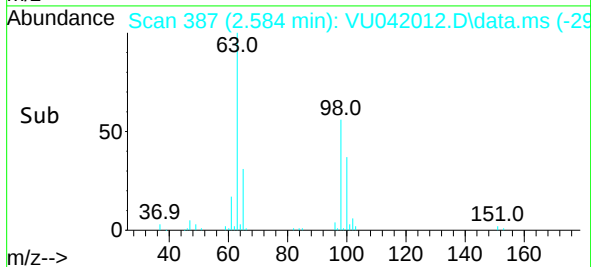
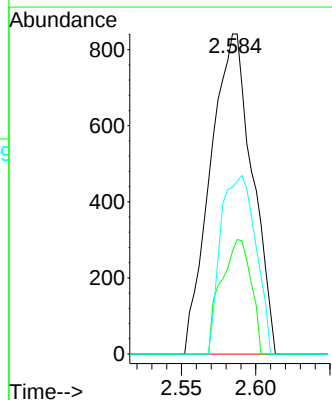
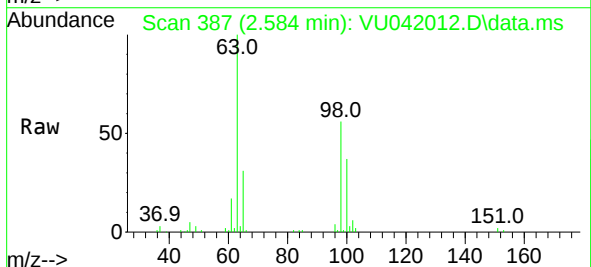
Instrument :
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 ClientSampleId :

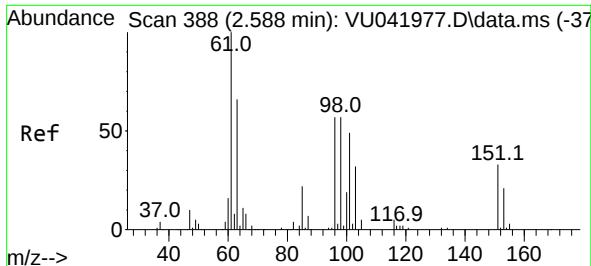
Tgt Ion:101 Resp: 5819
 Ion Ratio Lower Upper
 101 100
 103 71.5 51.6 77.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.19 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU042012.D
 Acq: 14 Jan 2021 04:16

Tgt Ion:101 Resp: 1649
 Ion Ratio Lower Upper
 101 100
 85 25.4 35.9 53.9#
 151 46.4 55.4 83.2#

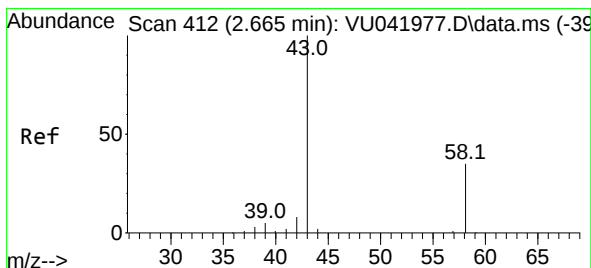
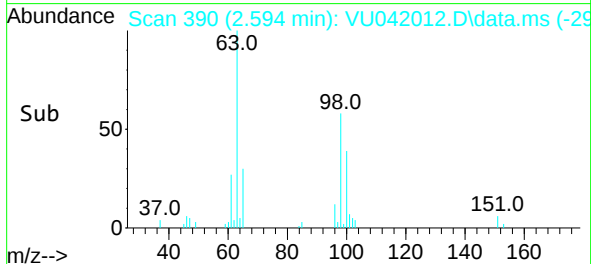
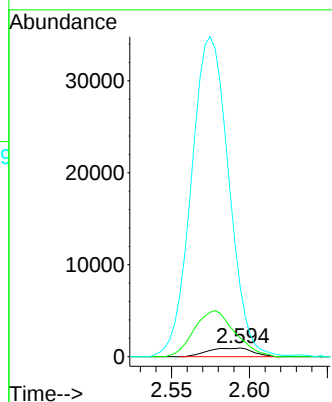
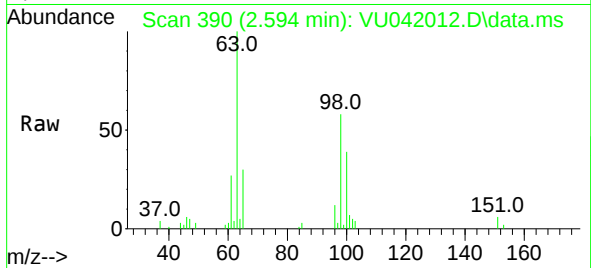




#12
1,1-Dichloroethene
Concen: 0.22 ug/L
RT: 2.594 min Scan# 390
Delta R.T. 0.006 min
Lab File: VU042012.D
Acq: 14 Jan 2021 04:16

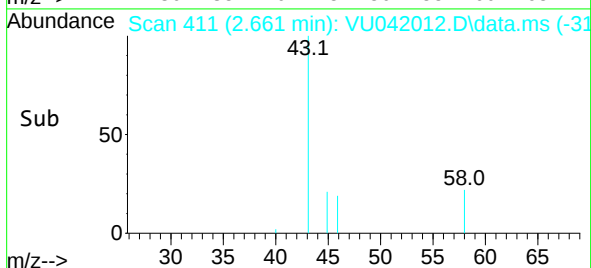
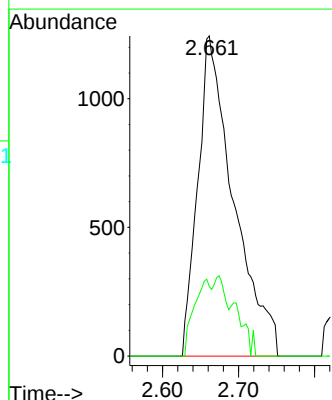
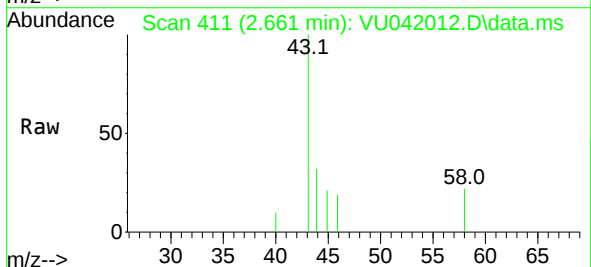
Instrument :
MSVOA_U
ClientSampleId :

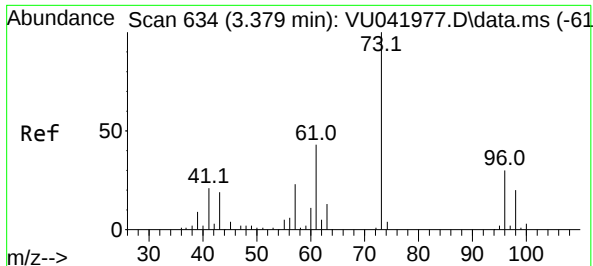
Tgt Ion: 96 Resp: 1865
Ion Ratio Lower Upper
96 100
61 220.6 122.2 226.9
63 823.1 82.8 153.8#



#13
Acetone
Concen: 2.40 ug/L
RT: 2.661 min Scan# 411
Delta R.T. -0.003 min
Lab File: VU042012.D
Acq: 14 Jan 2021 04:16

Tgt Ion: 43 Resp: 4071
Ion Ratio Lower Upper
43 100
58 11.7 0.0 57.4



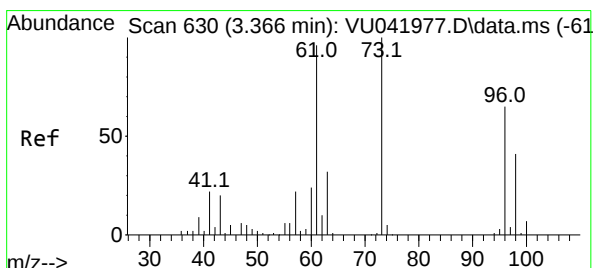
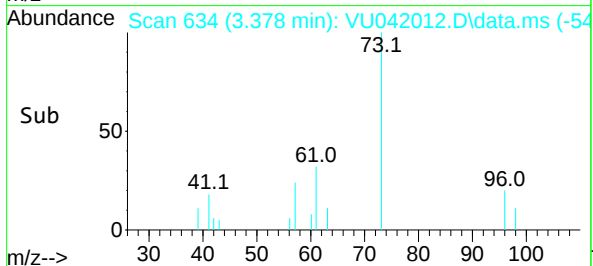
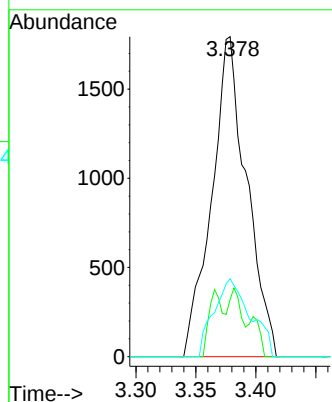
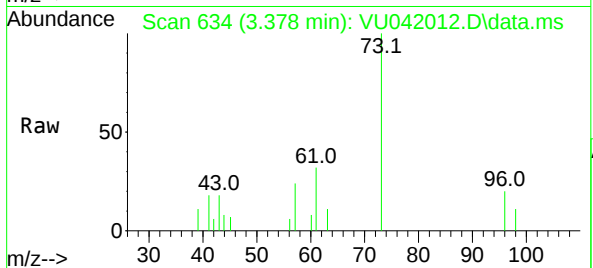


#17

Methyl tert-butyl Ether
Concen: 0.17 ug/L
RT: 3.378 min Scan# 634
Delta R.T. -0.000 min
Lab File: VU042012.D
Acq: 14 Jan 2021 04:16

Instrument :
MSVOA_U
ClientSampleId :

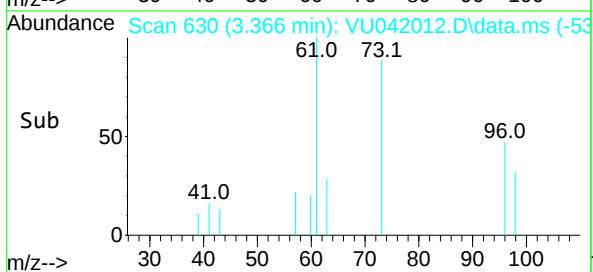
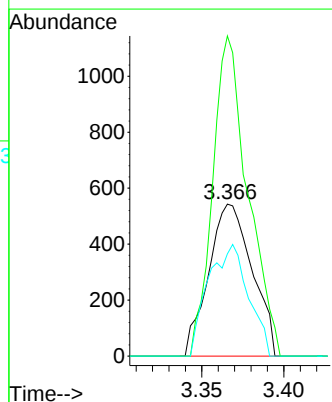
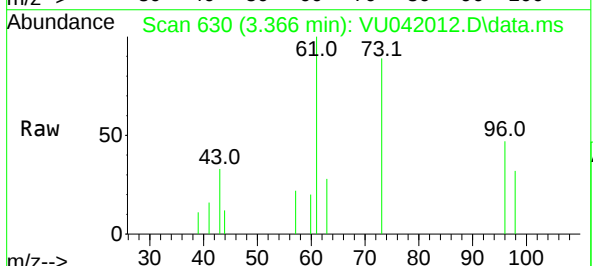
Tgt Ion: 73 Resp: 3629
Ion Ratio Lower Upper
73 100
43 7.6 15.1 22.7#
57 25.4 18.0 27.0

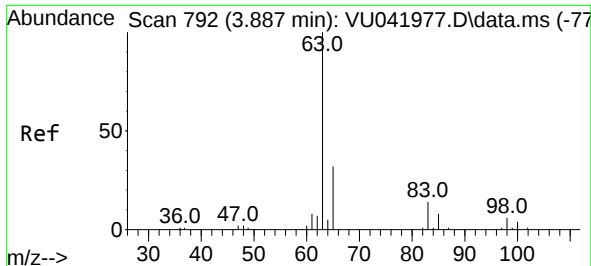


#18

trans-1,2-Dichloroethene
Concen: 0.12 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.000 min
Lab File: VU042012.D
Acq: 14 Jan 2021 04:16

Tgt Ion: 96 Resp: 1000
Ion Ratio Lower Upper
96 100
61 210.7 103.2 191.6#
98 67.2 43.8 81.3





#19

1,1-Dichloroethane

Concen: 0.13 ug/L

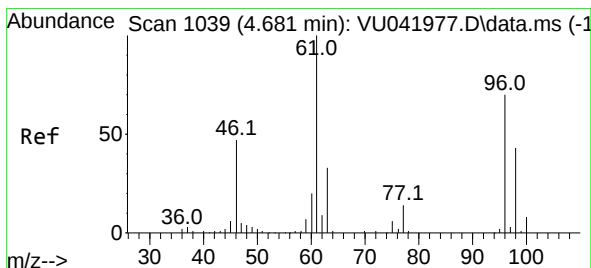
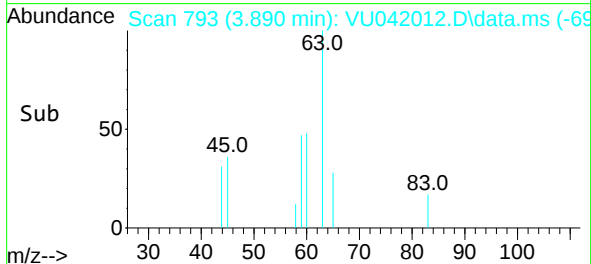
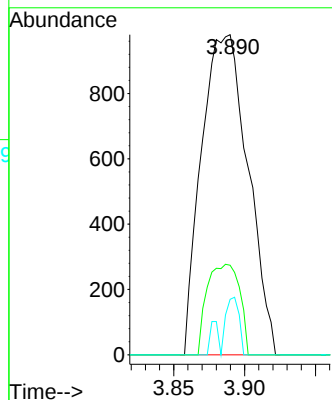
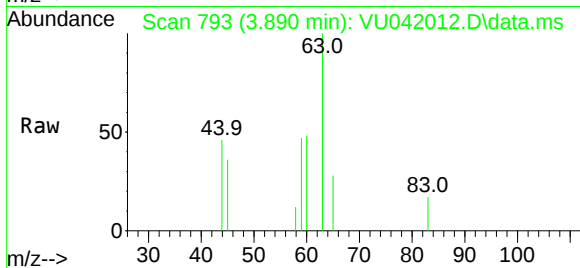
RT: 3.890 min Scan# 793

Delta R.T. 0.003 min

Lab File: VU042012.D

Acq: 14 Jan 2021 04:16

Tgt Ion: 63	Resp: 2233
Ion Ratio	Lower Upper
63 100	
65 28.0	22.7 42.1
83 17.3	9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 6.13 ug/L

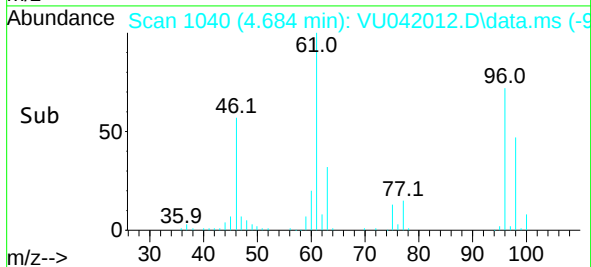
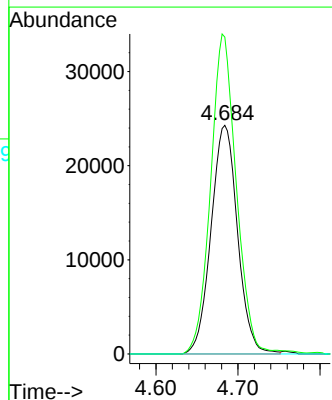
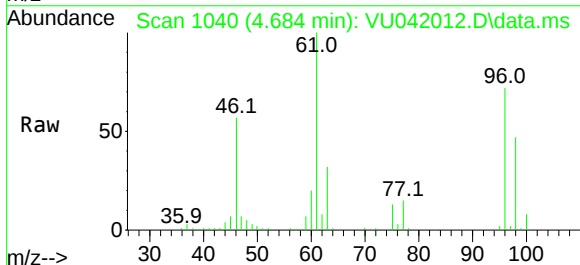
RT: 4.684 min Scan# 1040

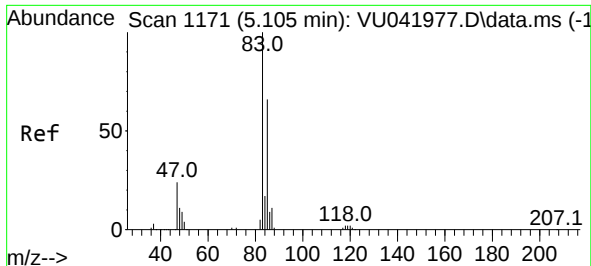
Delta R.T. 0.003 min

Lab File: VU042012.D

Acq: 14 Jan 2021 04:16

Tgt Ion: 96	Resp: 54561
Ion Ratio	Lower Upper
96 100	
61 138.6	100.3 186.3
68 0.0	0.0 0.0





#25

Chloroform

Concen: 0.34 ug/L

RT: 5.105 min Scan# 1171

Delta R.T. -0.000 min

Lab File: VU042012.D

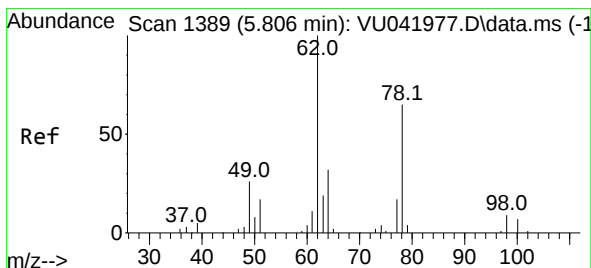
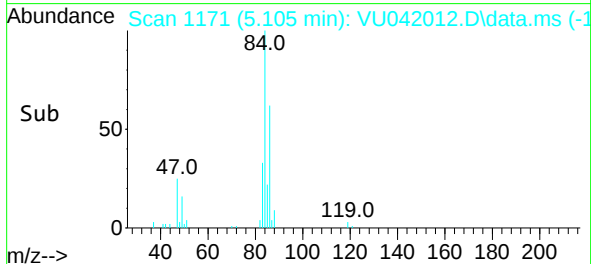
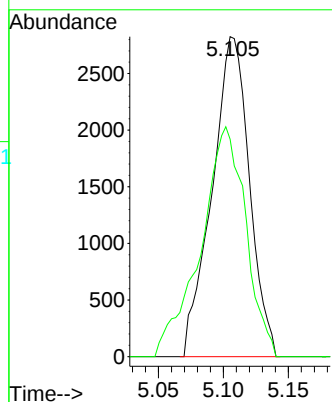
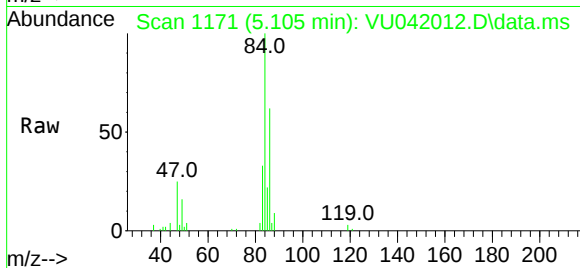
Acq: 14 Jan 2021 04:16

Tgt Ion: 83 Resp: 5656

Ion Ratio Lower Upper

83 100

85 67.9 46.1 85.7



#27

1,2-Dichloroethane

Concen: 0.06 ug/L

RT: 5.809 min Scan# 1390

Delta R.T. 0.003 min

Lab File: VU042012.D

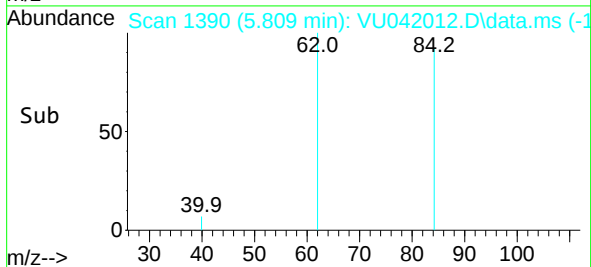
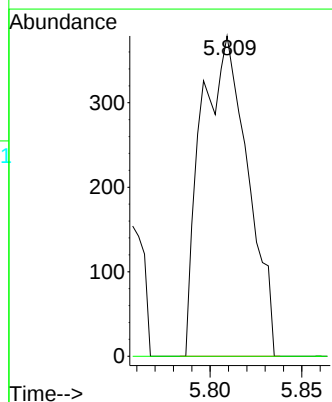
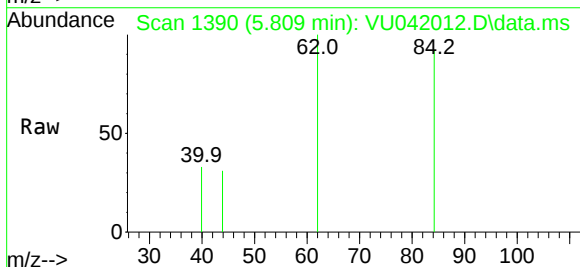
Acq: 14 Jan 2021 04:16

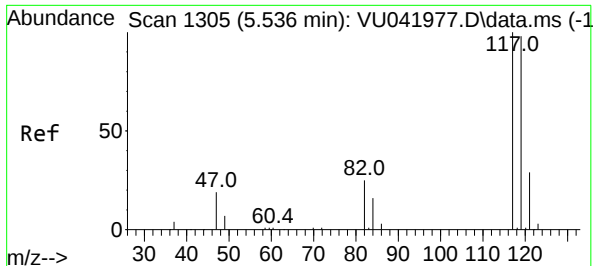
Tgt Ion: 62 Resp: 670

Ion Ratio Lower Upper

62 100

98 0.0 7.1 10.7#

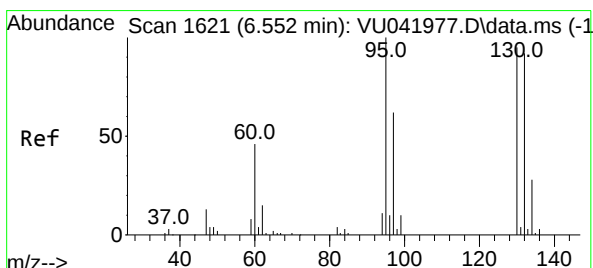
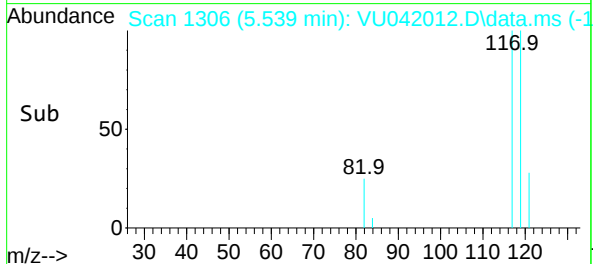
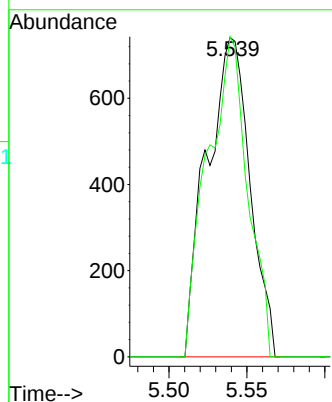
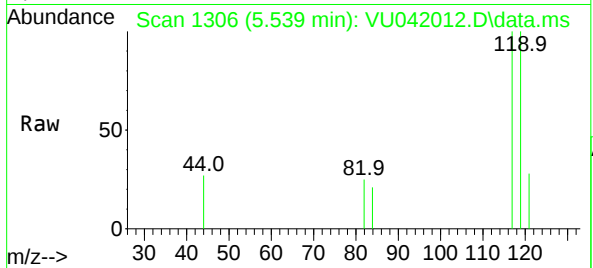




#31
Carbon tetrachloride
Concen: 0.10 ug/L
RT: 5.539 min Scan# 1306
Delta R.T. 0.003 min
Lab File: VU042012.D
Acq: 14 Jan 2021 04:16

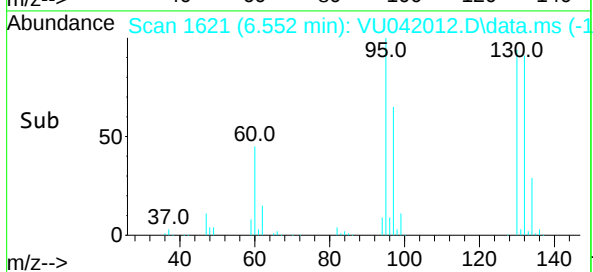
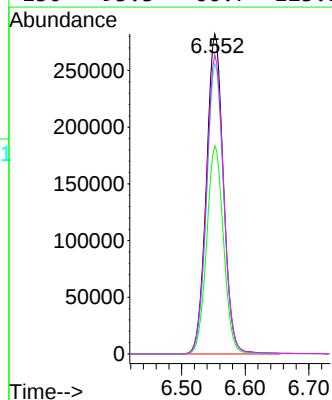
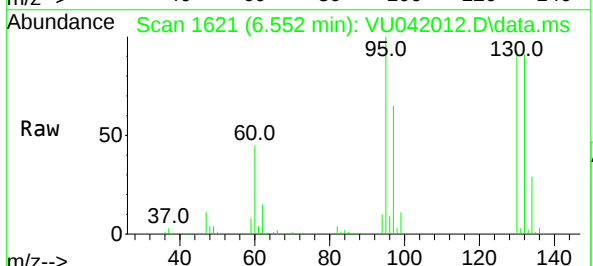
Instrument :
MSVOA_U
ClientSampleId :

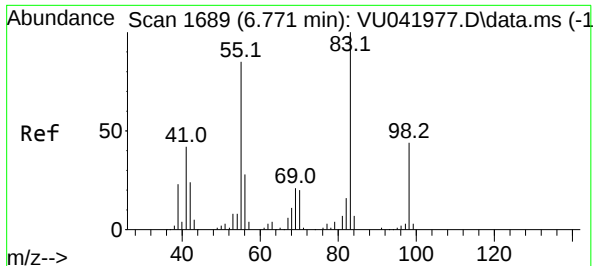
Tgt Ion:117 Resp: 1427
Ion Ratio Lower Upper
117 100
119 93.6 76.6 114.8



#34
Trichloroethene
Concen: 48.08 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU042012.D
Acq: 14 Jan 2021 04:16

Tgt Ion: 95 Resp: 526156
Ion Ratio Lower Upper
95 100
97 65.0 43.6 81.0
132 90.7 64.3 119.3
130 93.3 66.7 123.9

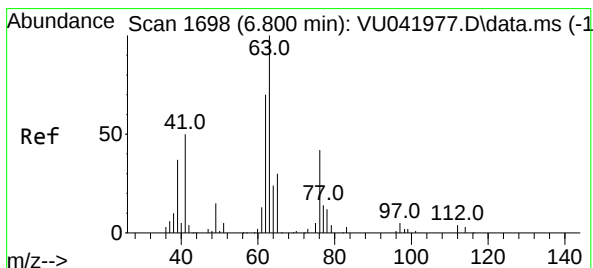
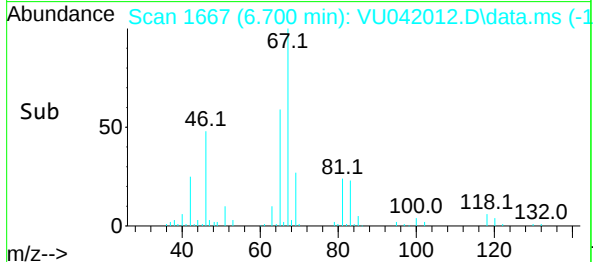
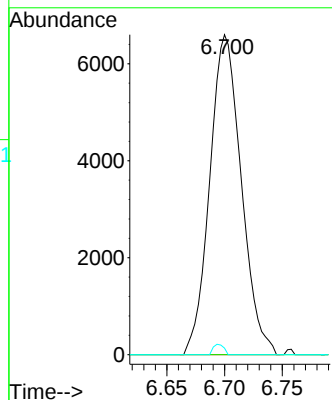
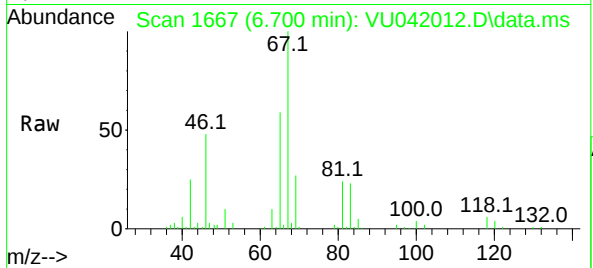




#35
Methylcyclohexane
Concen: 0.72 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042012.D
Acq: 14 Jan 2021 04:16

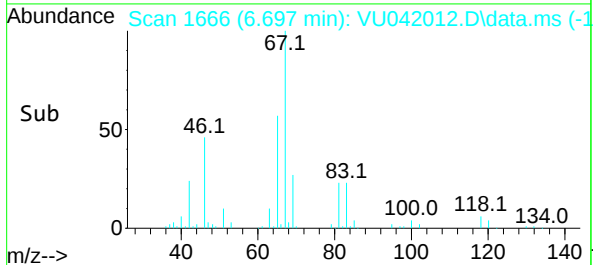
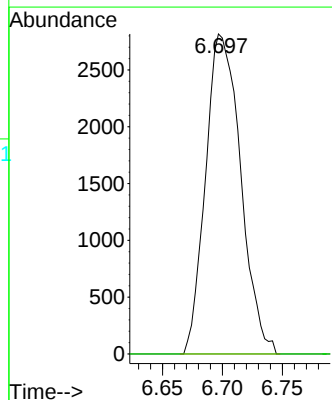
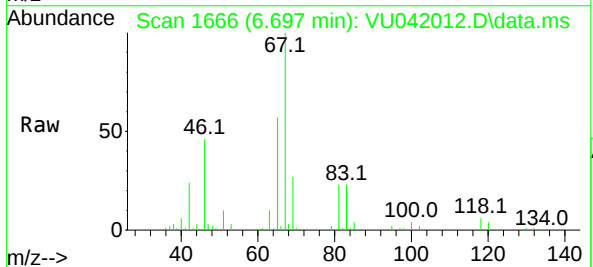
Instrument :
MSVOA_U
ClientSampleId :

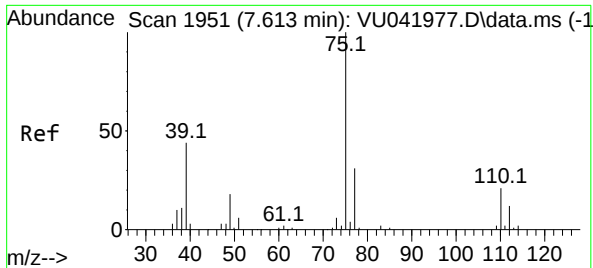
Tgt Ion: 83 Resp: 12537
Ion Ratio Lower Upper
83 100
55 0.0 66.8 100.2#
98 0.0 35.7 53.5#



#37
1,2-Dichloropropane
Concen: 0.50 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.103 min
Lab File: VU042012.D
Acq: 14 Jan 2021 04:16

Tgt Ion: 63 Resp: 5731
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

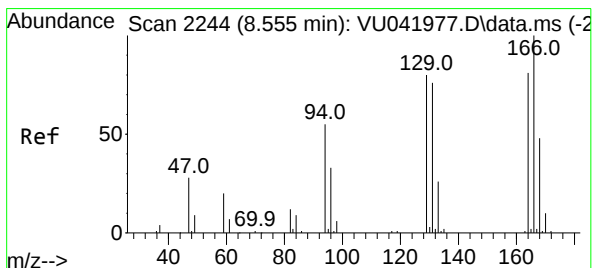
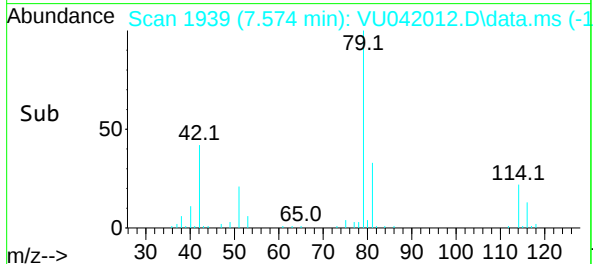
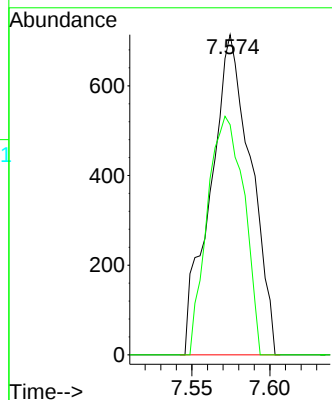
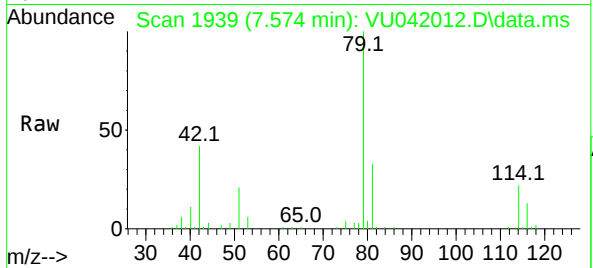




#39
cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.039 min
Lab File: VU042012.D
Acq: 14 Jan 2021 04:16

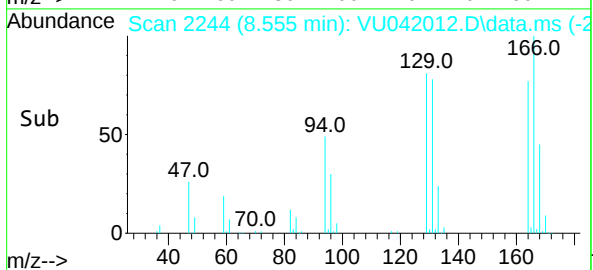
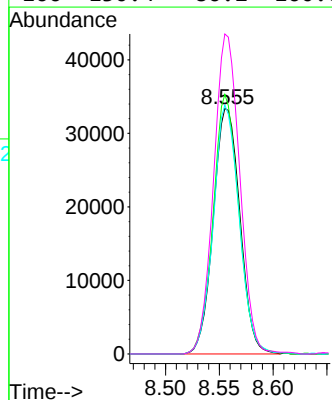
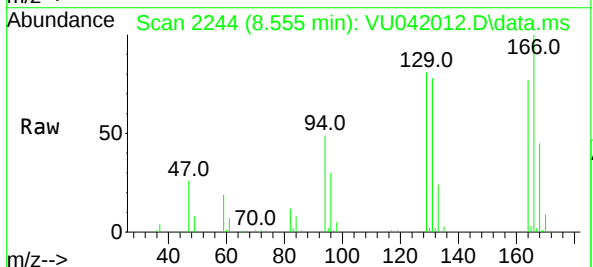
Instrument :
MSVOA_U
ClientSampleId :

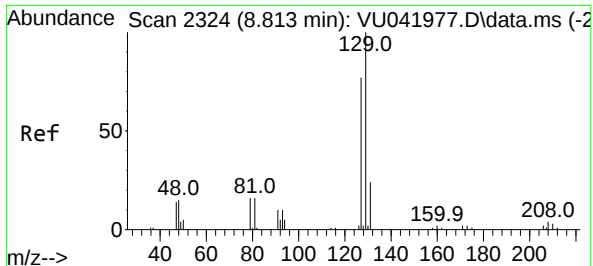
Tgt Ion: 75 Resp: 1290
Ion Ratio Lower Upper
75 100
77 71.8 21.9 40.7#



#47
Tetrachloroethene
Concen: 8.09 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU042012.D
Acq: 14 Jan 2021 04:16

Tgt Ion:164 Resp: 57380
Ion Ratio Lower Upper
164 100
129 105.7 68.7 127.5
131 101.4 65.2 121.0
166 130.4 86.2 160.0





#49

Dibromochloromethane

Concen: 6.70 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU042012.D

Acq: 14 Jan 2021 04:16

Tgt Ion:129 Resp: 58726

Ion Ratio Lower Upper

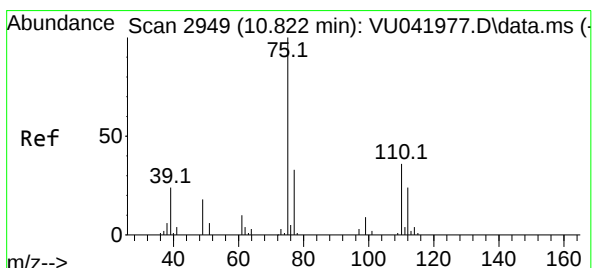
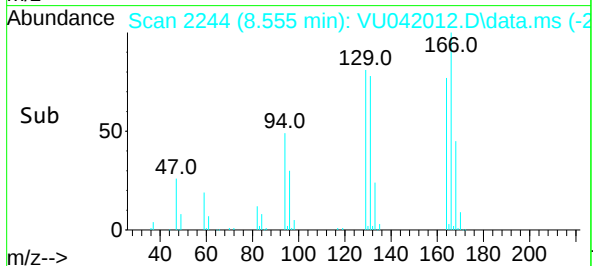
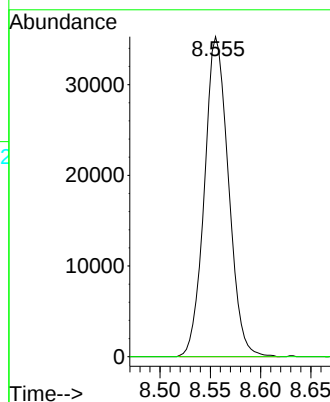
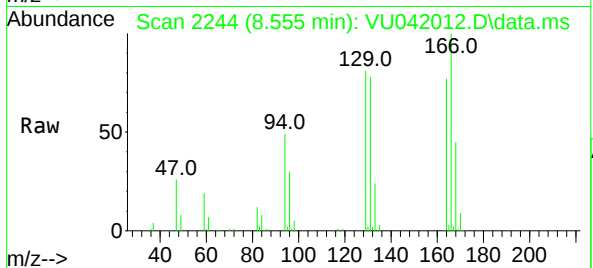
129 100

127 0.0 53.7 99.7#

Instrument :

MSVOA_U

ClientSampled :



#59

1,2,3-Trichloropropane

Concen: 0.68 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.987 min

Lab File: VU042012.D

Acq: 14 Jan 2021 04:16

Tgt Ion: 75 Resp: 5088

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

