

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110520\
 Data File : VU041114.D
 Acq On : 05 Nov 2020 18:58
 Operator : SY/MD
 Sample : L4648-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 06 01:52:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 06 01:44:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	50969	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54505	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22859	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15354	3.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.60%
7) Chloroethane-d5	1.92	69	13949	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.58	63	22865	2.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.40%#
20) 2-Butanone-d5	4.65	46	79665	56.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.00%
24) Chloroform-d	5.08	84	32030	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	5.72	65	23350	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.74	84	62150	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.70	67	23370	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.91	98	47534	3.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.00%
43) trans-1,3-Dichloropropene-	8.19	79	8917	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.64	63	56786	51.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.54%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22341	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	21003	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	419	0.086	ug/L 90
8) Chloroethane	1.95	64	107	0.035	ug/L # 43
9) Trichlorofluoromethane	2.15	101	93132	14.314	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	294	0.077	ug/L # 22
13) Acetone	2.65	43	1230	1.276	ug/L 83
22) cis-1,2-Dichloroethene	4.69	96	5855	1.551	ug/L 98
25) Chloroform	5.11	83	7528	1.026	ug/L 97
27) 1,2-Dichloroethane	5.74	62	277	0.051	ug/L # 74
31) Carbon tetrachloride	5.54	117	1949	0.330	ug/L 85
34) Trichloroethene	6.56	95	2492	0.601	ug/L 96
35) Methylcyclohexane	6.70	83	5498	0.889	ug/L # 14
37) 1,2-Dichloropropane	6.70	63	2586	0.587	ug/L # 86
39) cis-1,3-Dichloropropene	7.57	75	596	0.098	ug/L # 76
44) trans-1,3-Dichloropropene	8.18	75	424	0.075	ug/L # 77
45) 1,1,2-Trichloroethane	8.41	97	386	0.118	ug/L # 79
47) Tetrachloroethene	8.56	164	75043	24.624	ug/L 97
49) Dibromochloromethane	8.56	129	73818	19.377	ug/L # 11

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ClientSampleId :

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 06 01:44:25 2020
Response via : Initial Calibration

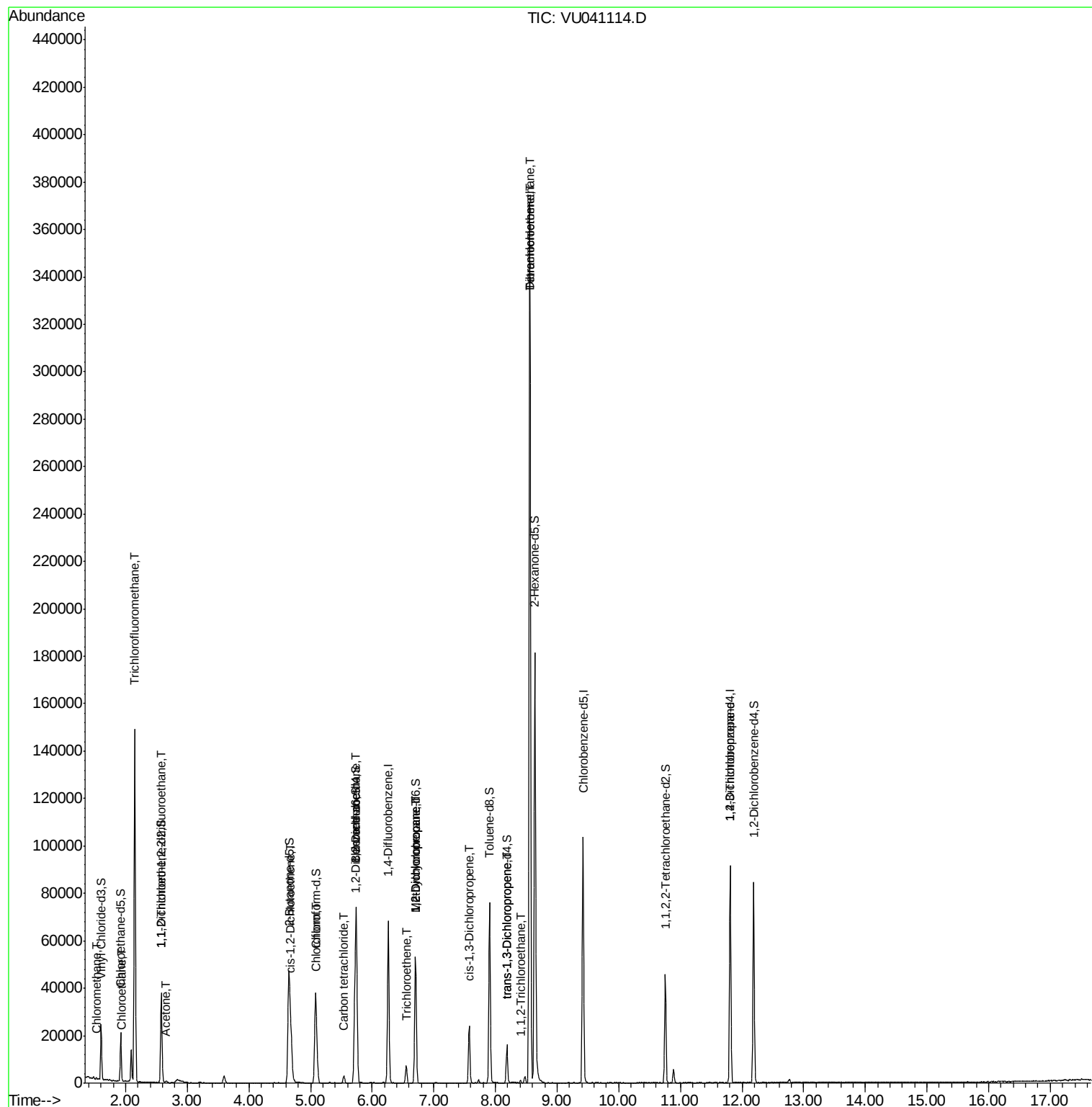
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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59) 1,2,3-Trichloropropane	11.81	75	3120	0.950	ug/L #	87
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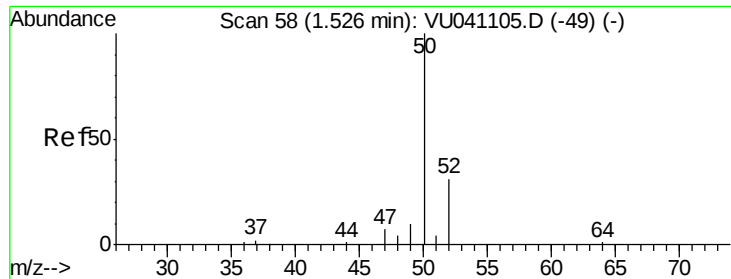
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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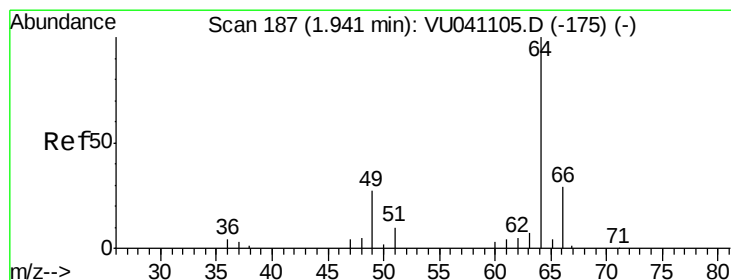
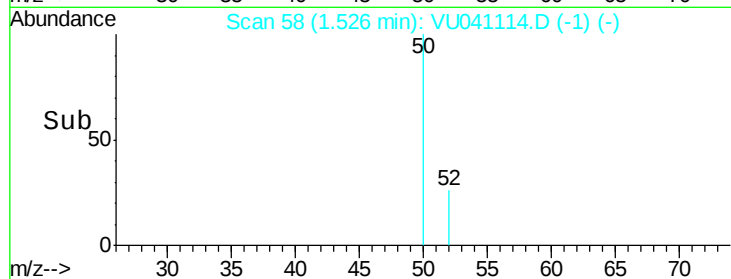
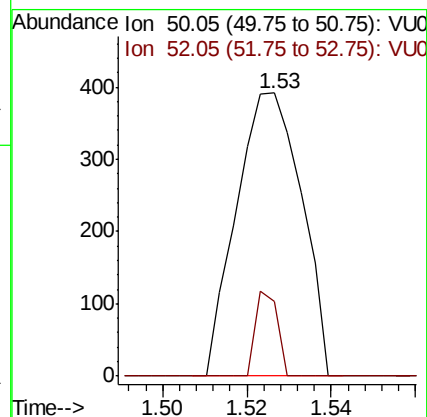
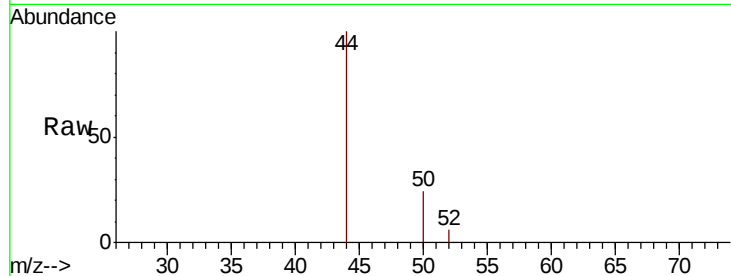




#3
Chloromethane
Concen: 0.086 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU041114.D
Acq: 05 Nov 2020 18:58

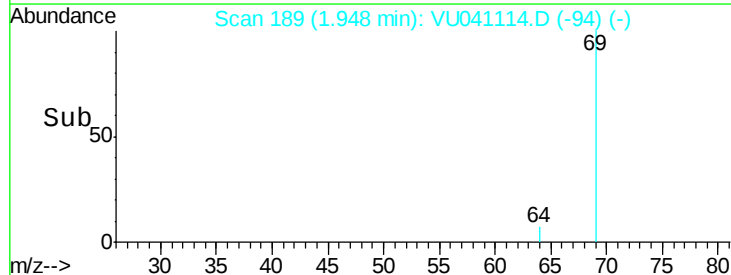
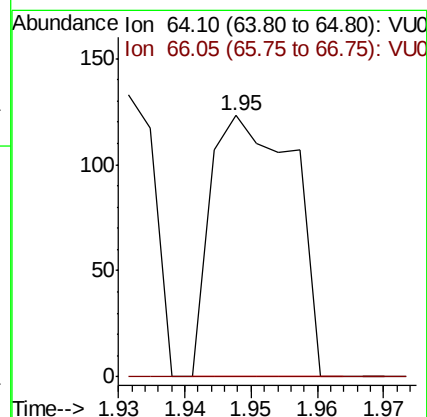
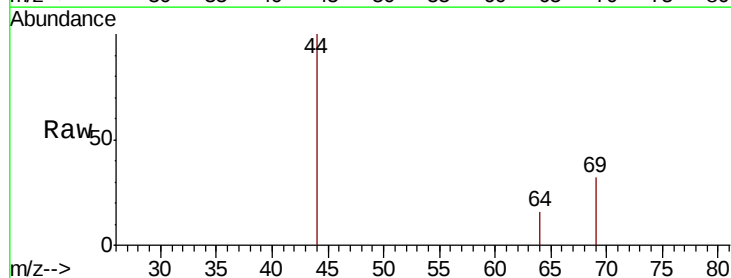
Instrument :
MSVOA_U
ClientSampleId :

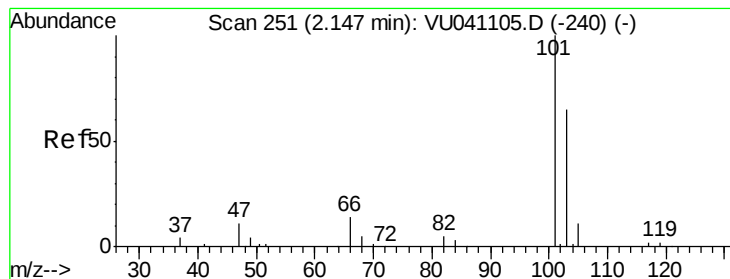
Tot Ion: 50 Resp: 419
Ion Ratio Lower Upper
50 100
52 26.3 22.4 41.6



#8
Chloroethane
Concen: 0.035 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.01 min
Lab File: VU041114.D
Acq: 05 Nov 2020 18:58

Tgt Ion: 64 Resp: 107
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.5#



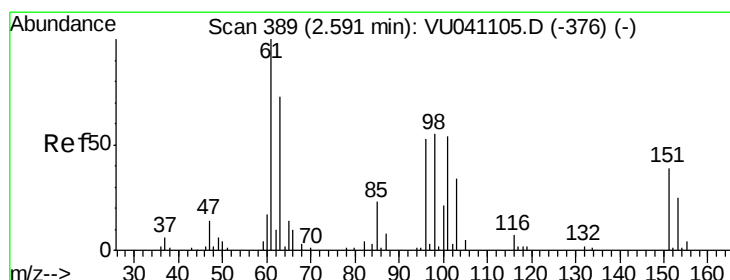
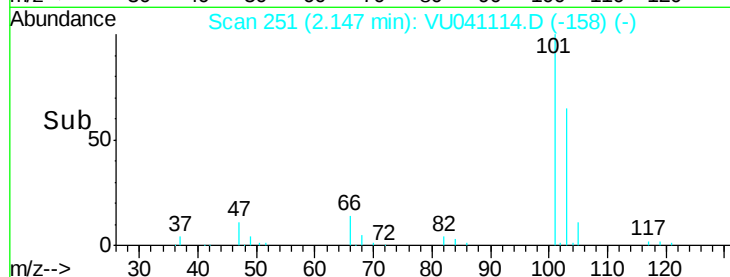
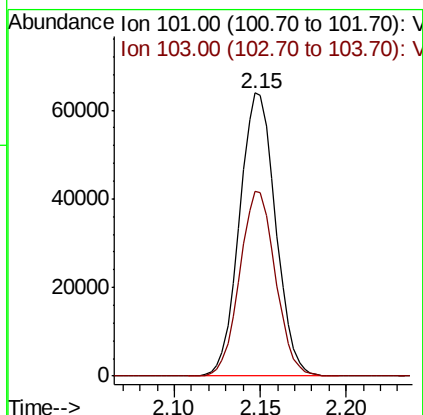
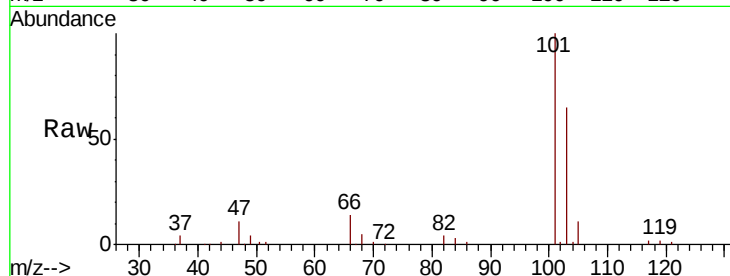


#9

Trichlorofluoromethane
Concen: 14.314 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041114.D
Acq: 05 Nov 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :

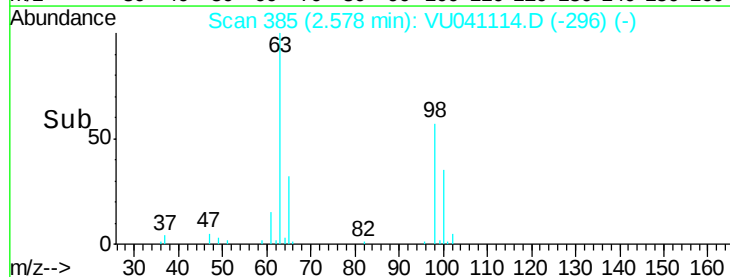
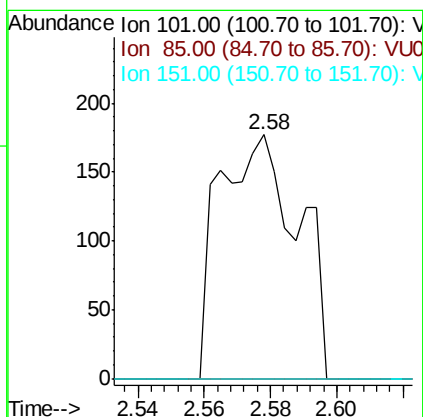
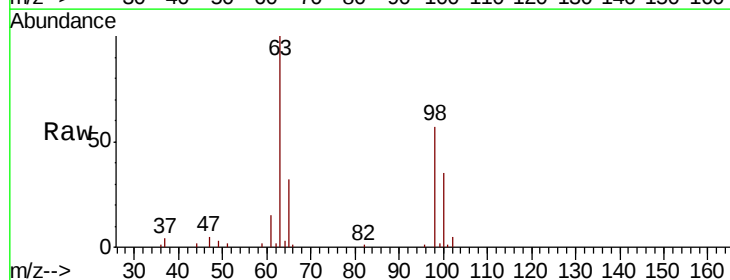
Tot Ion:101 Resp: 93132
Ion Ratio Lower Upper
101 100
103 64.6 51.0 76.4

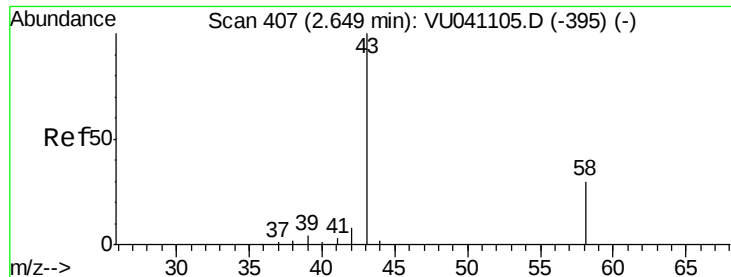


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.077 ug/L
RT: 2.58 min Scan# 385
Delta R.T. -0.01 min
Lab File: VU041114.D
Acq: 05 Nov 2020 18:58

Tgt Ion:101 Resp: 294
Ion Ratio Lower Upper
101 100
85 0.0 35.0 52.4#
151 0.0 55.3 82.9#





#13

Acetone

Concen: 1.276 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU041114.D

Acq: 05 Nov 2020 18:58

Instrument :

MSVOA_U

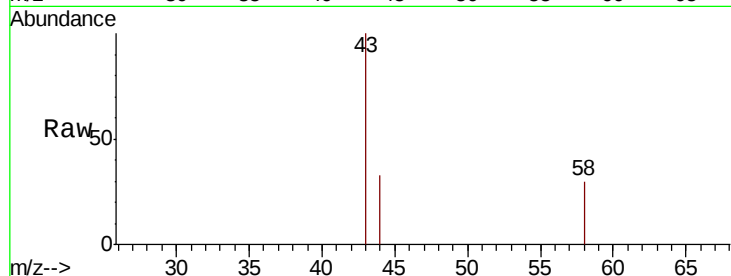
ClientSampleId :

Tot Ion: 43 Resp: 1230

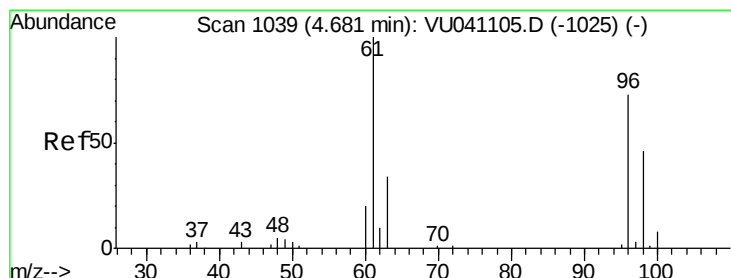
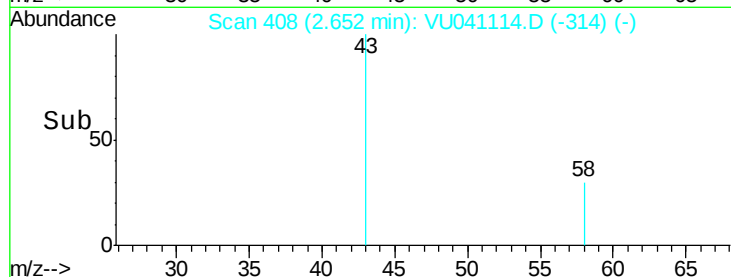
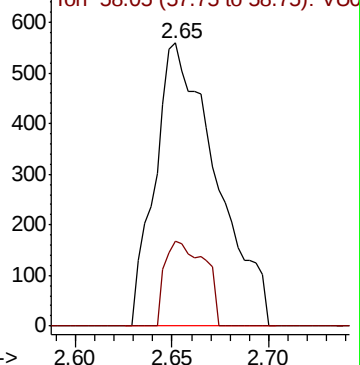
Ion Ratio Lower Upper

43 100

58 19.6 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041114.D (-314) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.551 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041114.D

Acq: 05 Nov 2020 18:58

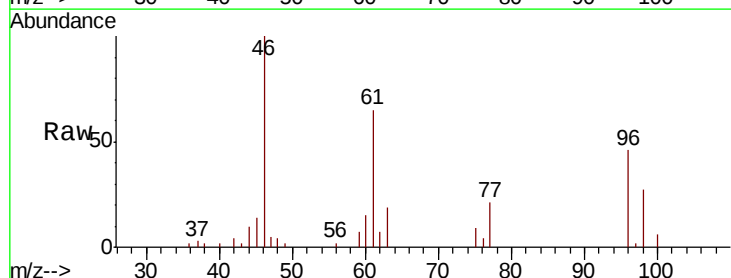
Tgt Ion: 96 Resp: 5855

Ion Ratio Lower Upper

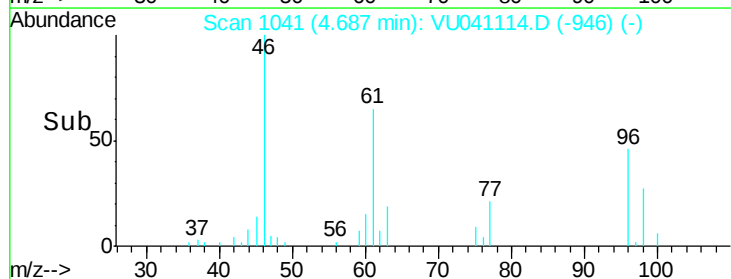
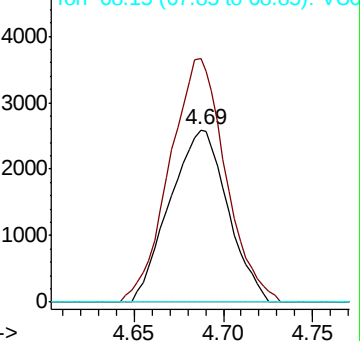
96 100

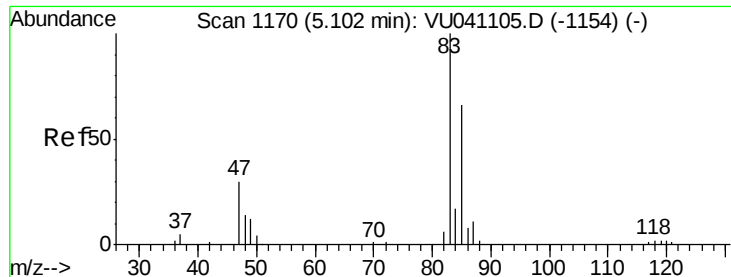
61 141.2 97.2 180.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041114.D (-946) (-)

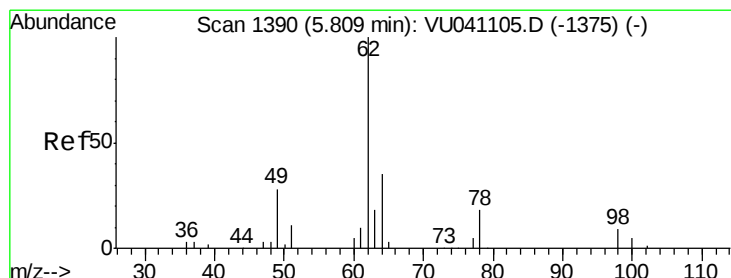
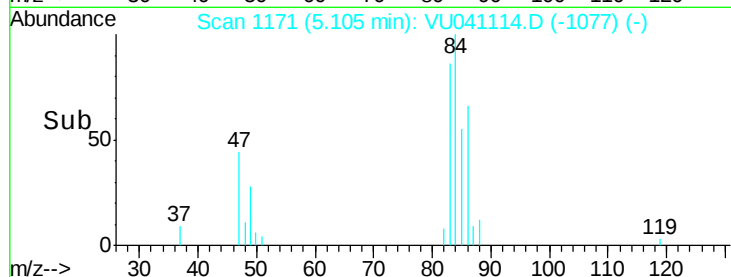
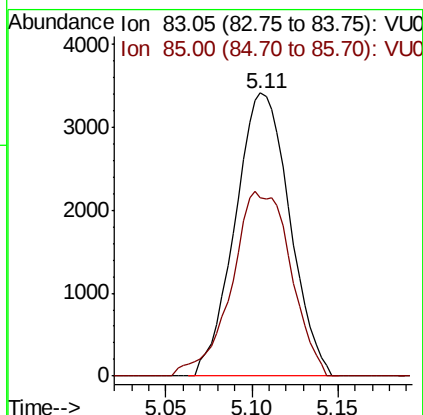
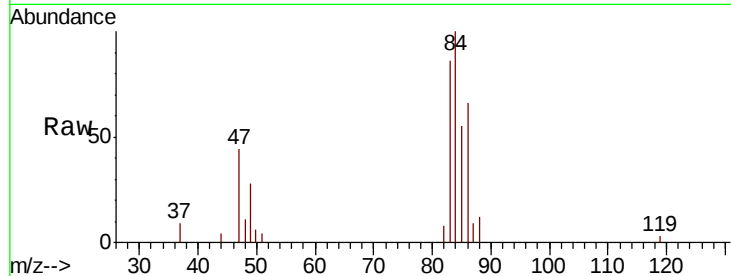




#25
Chloroform
Concen: 1.026 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041114.D
Acq: 05 Nov 2020 18:58

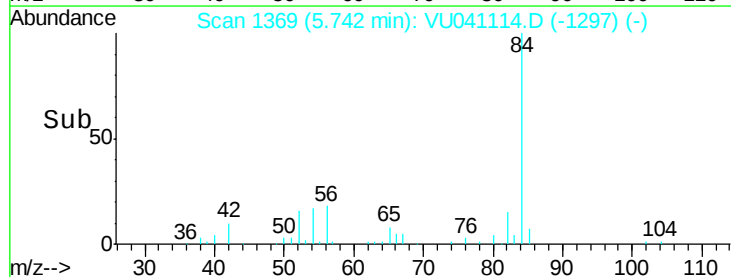
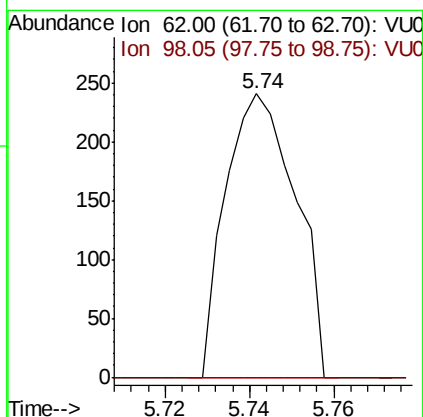
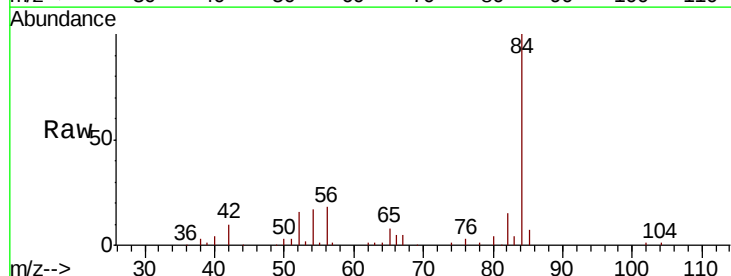
Instrument :
MSVOA_U
ClientSampled :

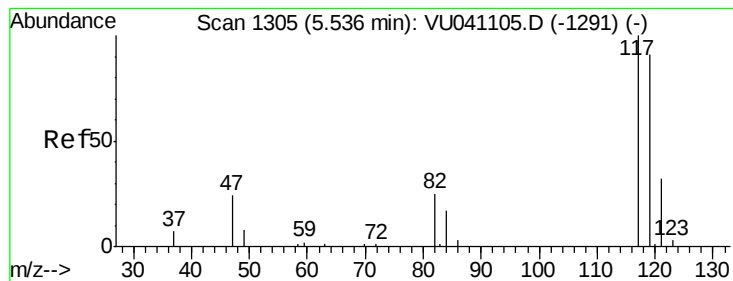
Tot Ion: 83 Resp: 7528
Ion Ratio Lower Upper
83 100
85 63.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.051 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.07 min
Lab File: VU041114.D
Acq: 05 Nov 2020 18:58

Tgt Ion: 62 Resp: 277
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#31

Carbon tetrachloride

Concen: 0.330 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU041114.D

Acq: 05 Nov 2020 18:58

Instrument :

MSVOA_U

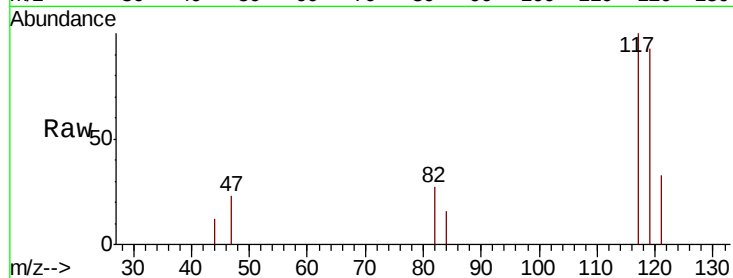
ClientSampleId :

Tot Ion:117 Resp: 1949

Ion Ratio Lower Upper

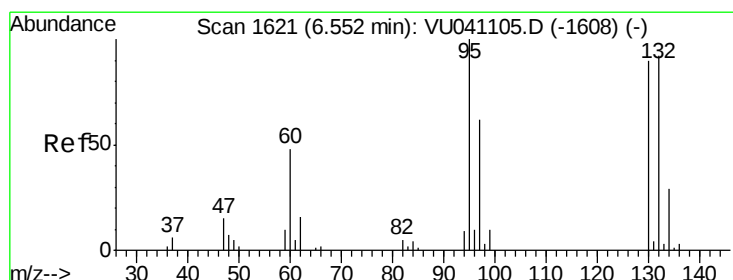
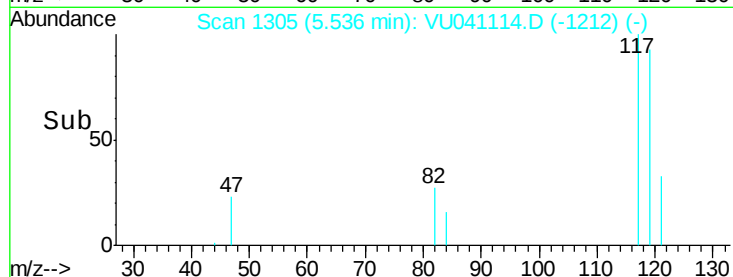
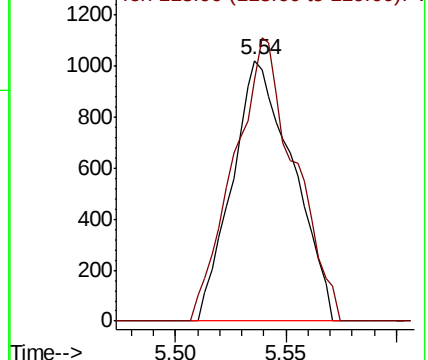
117 100

119 109.6 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.601 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041114.D

Acq: 05 Nov 2020 18:58

Tgt Ion: 95 Resp: 2492

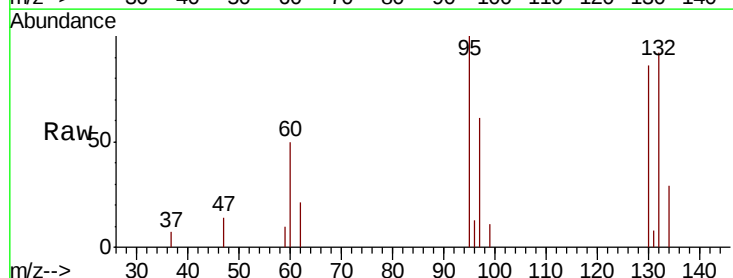
Ion Ratio Lower Upper

95 100

97 61.3 45.6 84.6

132 92.1 64.8 120.4

130 86.4 64.8 120.4

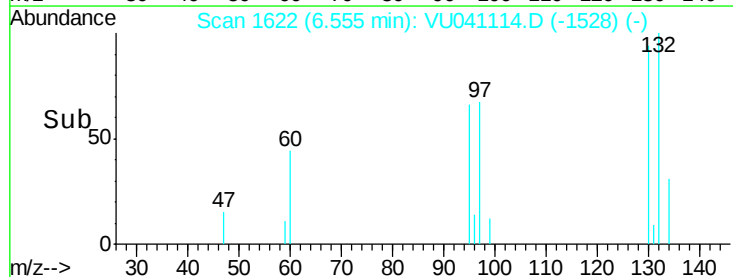
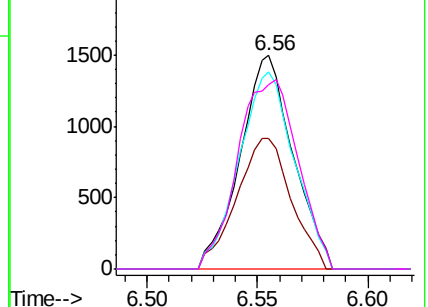


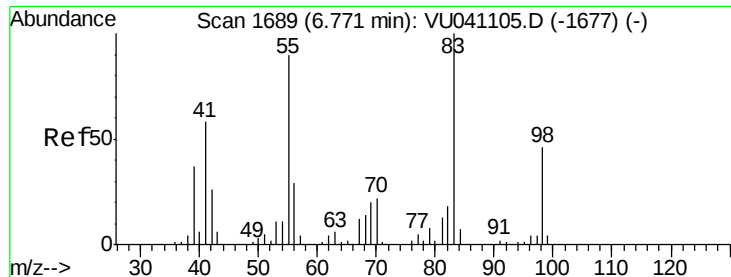
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

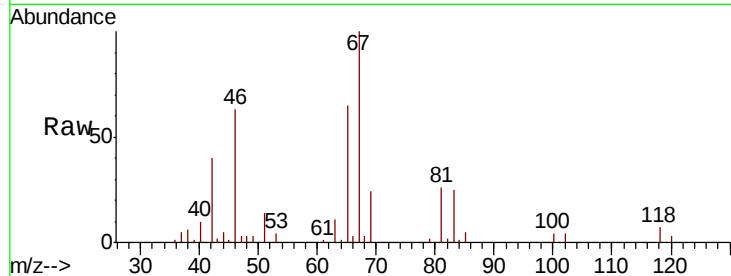




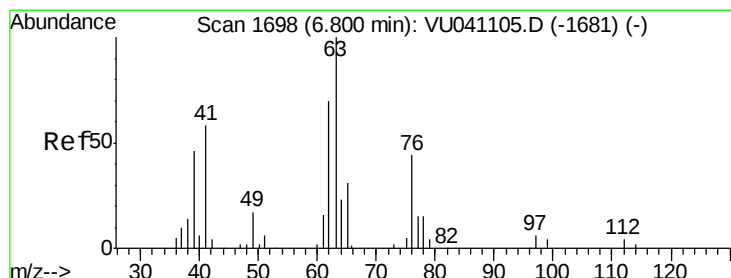
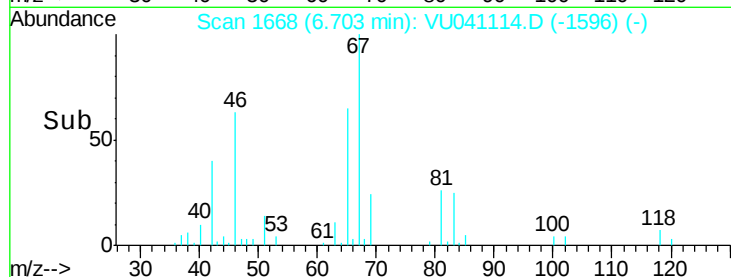
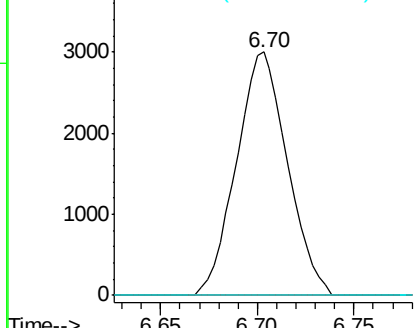
#35
Methvlcvclohexane
Concen: 0.889 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041114.D
Acq: 05 Nov 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 5498
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 1.1 36.6 55.0#

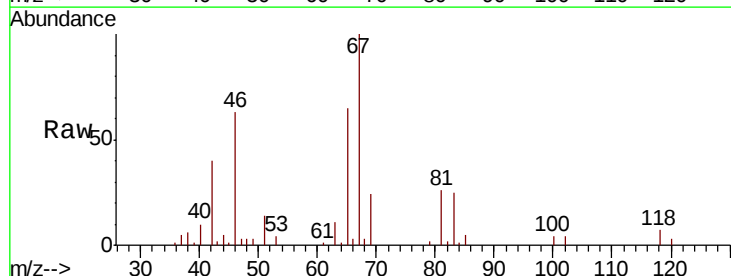


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

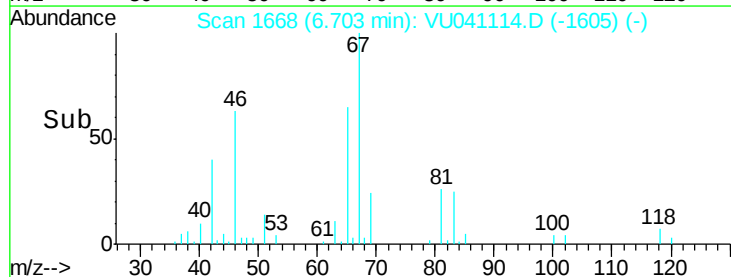
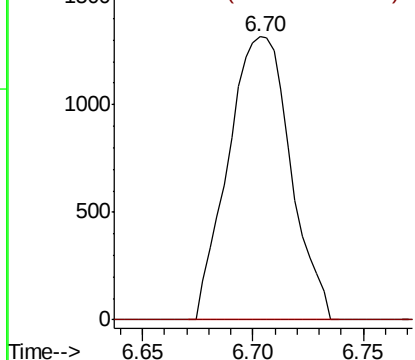


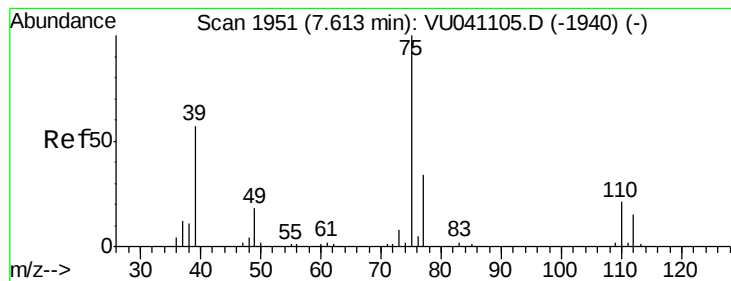
#37
1,2-Dichloropropane
Concen: 0.587 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041114.D
Acq: 05 Nov 2020 18:58

Tgt Ion: 63 Resp: 2586
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



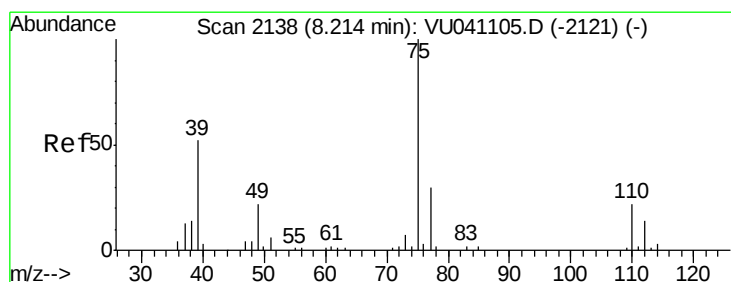
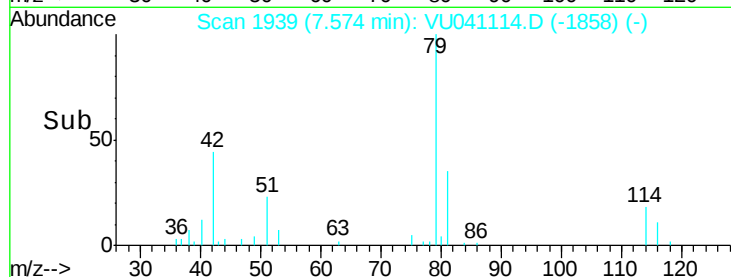
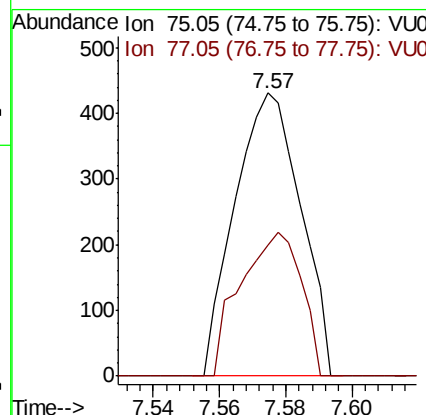
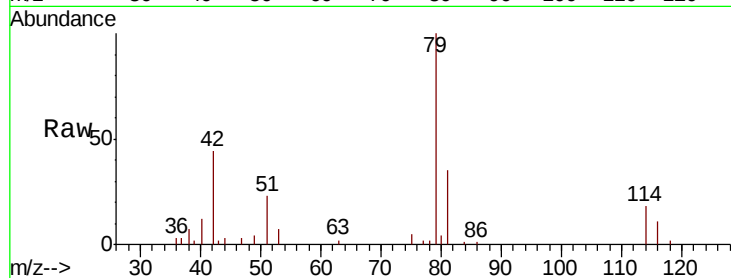


#39

cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041114.D
 Acq: 05 Nov 2020 18:58

Instrument :
 MSVOA_U
 ClientSampleId :

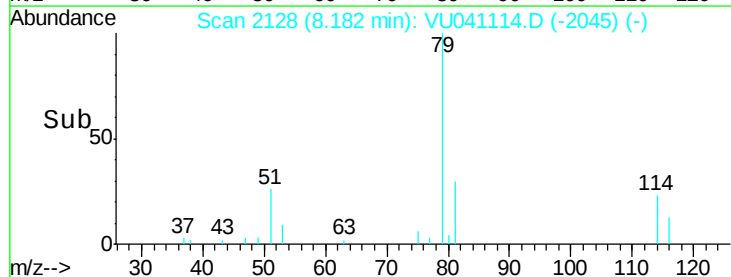
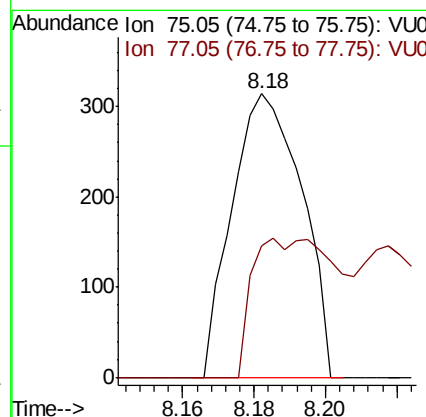
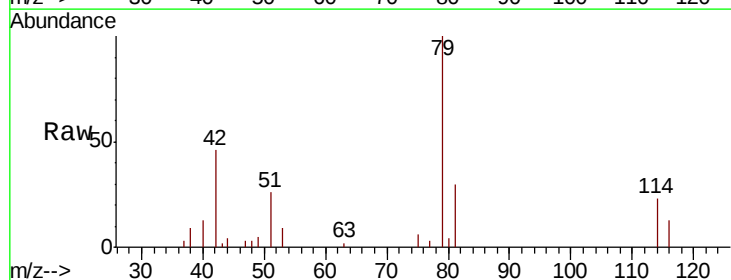
Tot Ion: 75 Resp: 596
 Ion Ratio Lower Upper
 75 100
 77 46.2 22.7 42.3#

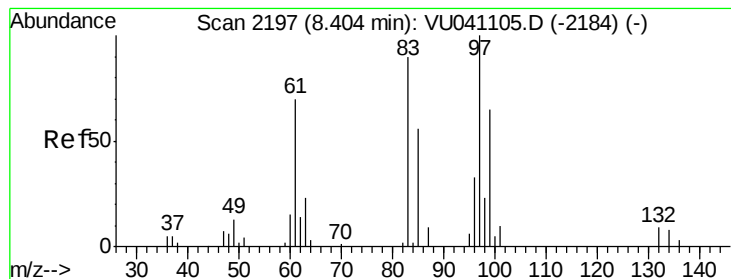


#44

trans-1,3-Dichloropropene
 Concen: 0.075 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU041114.D
 Acq: 05 Nov 2020 18:58

Tgt Ion: 75 Resp: 424
 Ion Ratio Lower Upper
 75 100
 77 46.5 23.3 43.3#





#45

1,1,2-Trichloroethane

Concen: 0.118 ug/L

RT: 8.41 min Scan# 2199

Delta R.T. 0.01 min

Lab File: VU041114.D

Acq: 05 Nov 2020 18:58

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 386

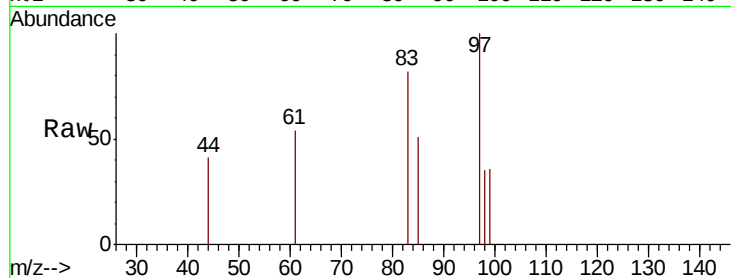
Ion Ratio Lower Upper

97 100

99 35.9 45.8 85.2#

83 82.2 67.9 126.1

85 51.2 42.8 79.6



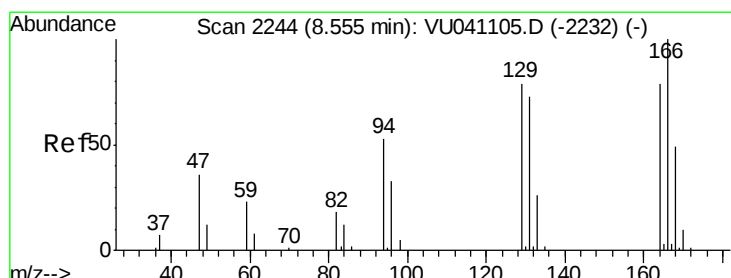
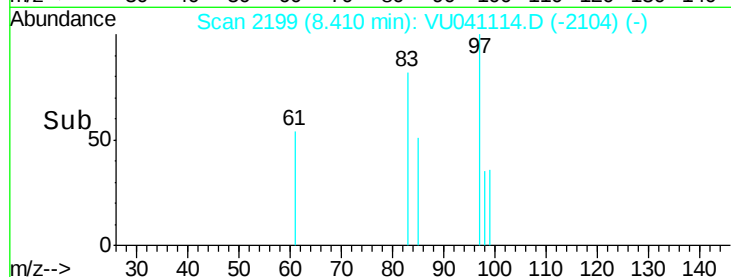
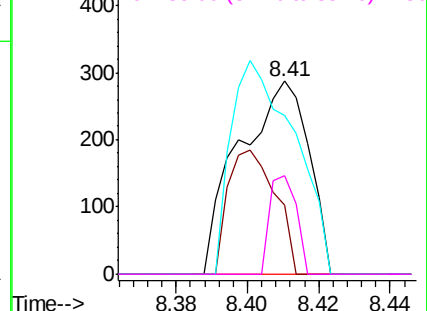
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 24.624 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041114.D

Acq: 05 Nov 2020 18:58

Tgt Ion: 164 Resp: 75043

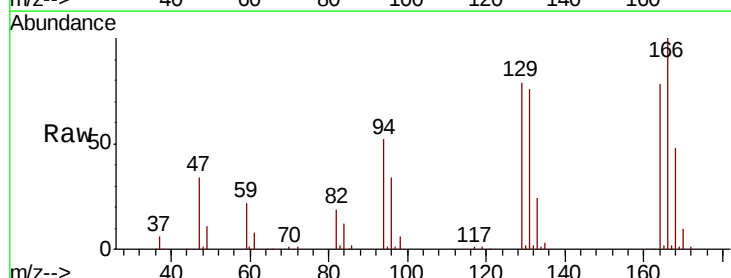
Ion Ratio Lower Upper

164 100

129 100.3 70.3 130.7

131 96.5 70.8 131.4

166 127.7 92.0 170.8



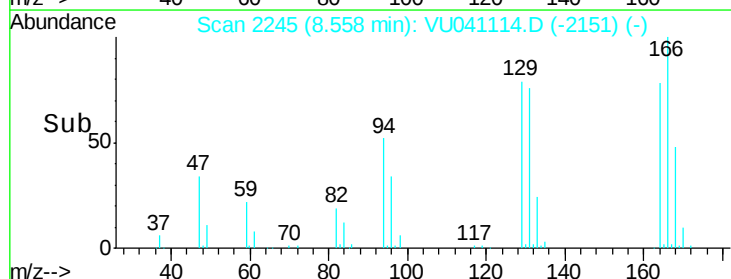
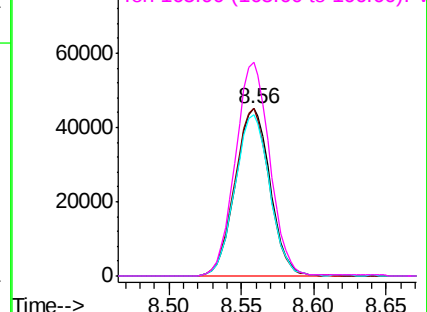
Abundance

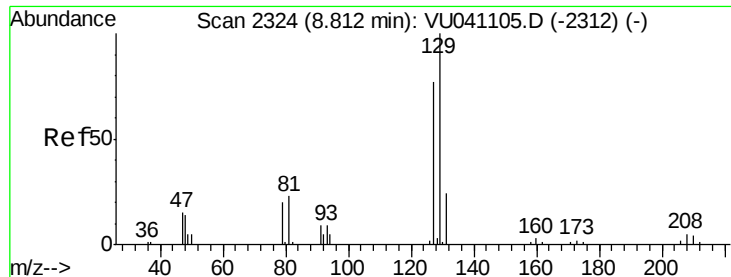
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

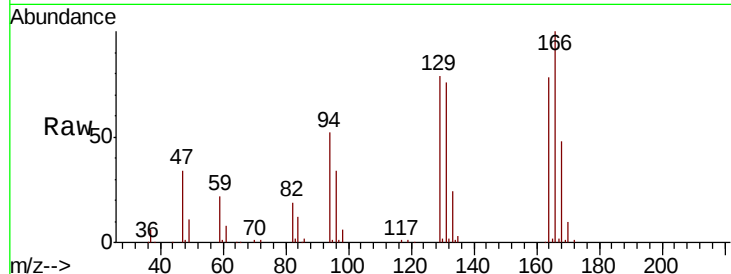




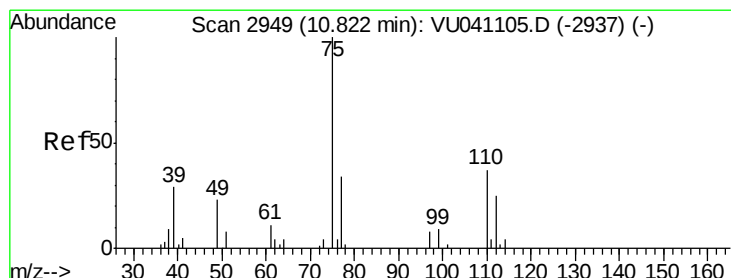
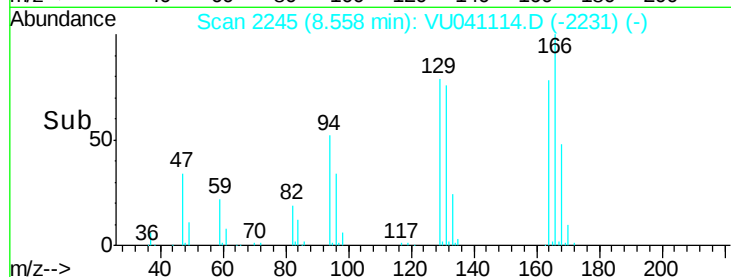
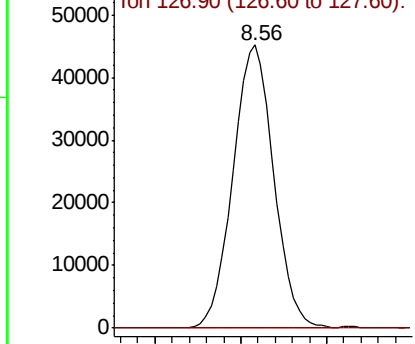
#49
Dibromochloromethane
Concen: 19.377 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041114.D
Acq: 05 Nov 2020 18:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 73818
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#

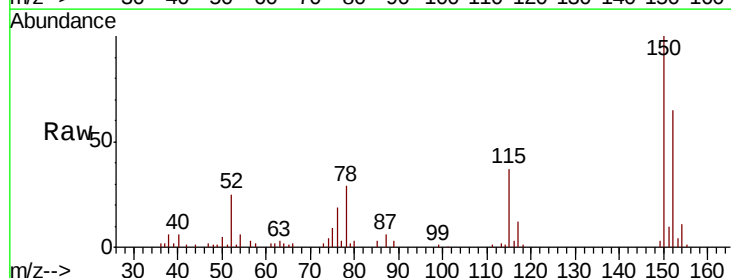


Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#59
1,2,3-Trichloropropane
Concen: 0.950 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU041114.D
Acq: 05 Nov 2020 18:58

Tgt Ion: 75 Resp: 3120
Ion Ratio Lower Upper
75 100
77 39.2 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

