

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110520\
 Data File : VU041109.D
 Acq On : 05 Nov 2020 17:02
 Operator : SY/MD
 Sample : L4648-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 06 01:52:09 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	51513	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	53629	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23605	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16012	3.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.00%
7) Chloroethane-d5	1.92	69	13499	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.58	63	23675	2.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.80%#
20) 2-Butanone-d5	4.65	46	83716	58.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.48%
24) Chloroform-d	5.08	84	37634	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.72	65	24061	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.74	84	64437	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.70	67	22707	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.91	98	48863	3.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.20%
43) trans-1,3-Dichloropropene-	8.19	79	9255	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.64	63	61310	56.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22454	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	21714	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	246	0.050 ug/L #	68
8) Chloroethane	1.95	64	95	0.031 ug/L #	43
9) Trichlorofluoromethane	2.15	101	72663	11.050 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	237	0.061 ug/L #	22
13) Acetone	2.66	43	1868	1.917 ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	800	0.210 ug/L	79
25) Chloroform	5.11	83	1836	0.248 ug/L #	74
27) 1,2-Dichloroethane	5.75	62	362	0.066 ug/L #	74
31) Carbon tetrachloride	5.54	117	1707	0.294 ug/L	91
34) Trichloroethene	6.55	95	4415	1.083 ug/L	96
35) Methylcyclohexane	6.70	83	5247	0.863 ug/L #	16
37) 1,2-Dichloropropane	6.70	63	2428	0.560 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	567	0.095 ug/L #	20
44) trans-1,3-Dichloropropene	8.18	75	330	0.059 ug/L #	76
45) 1,1,2-Trichloroethane	8.40	97	329	0.102 ug/L #	69
47) Tetrachloroethene	8.56	164	171240	57.106 ug/L	97
48) 2-Hexanone	8.64	43	9551	3.669 ug/L #	69

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 06 01:44:25 2020
Response via : Initial Calibration

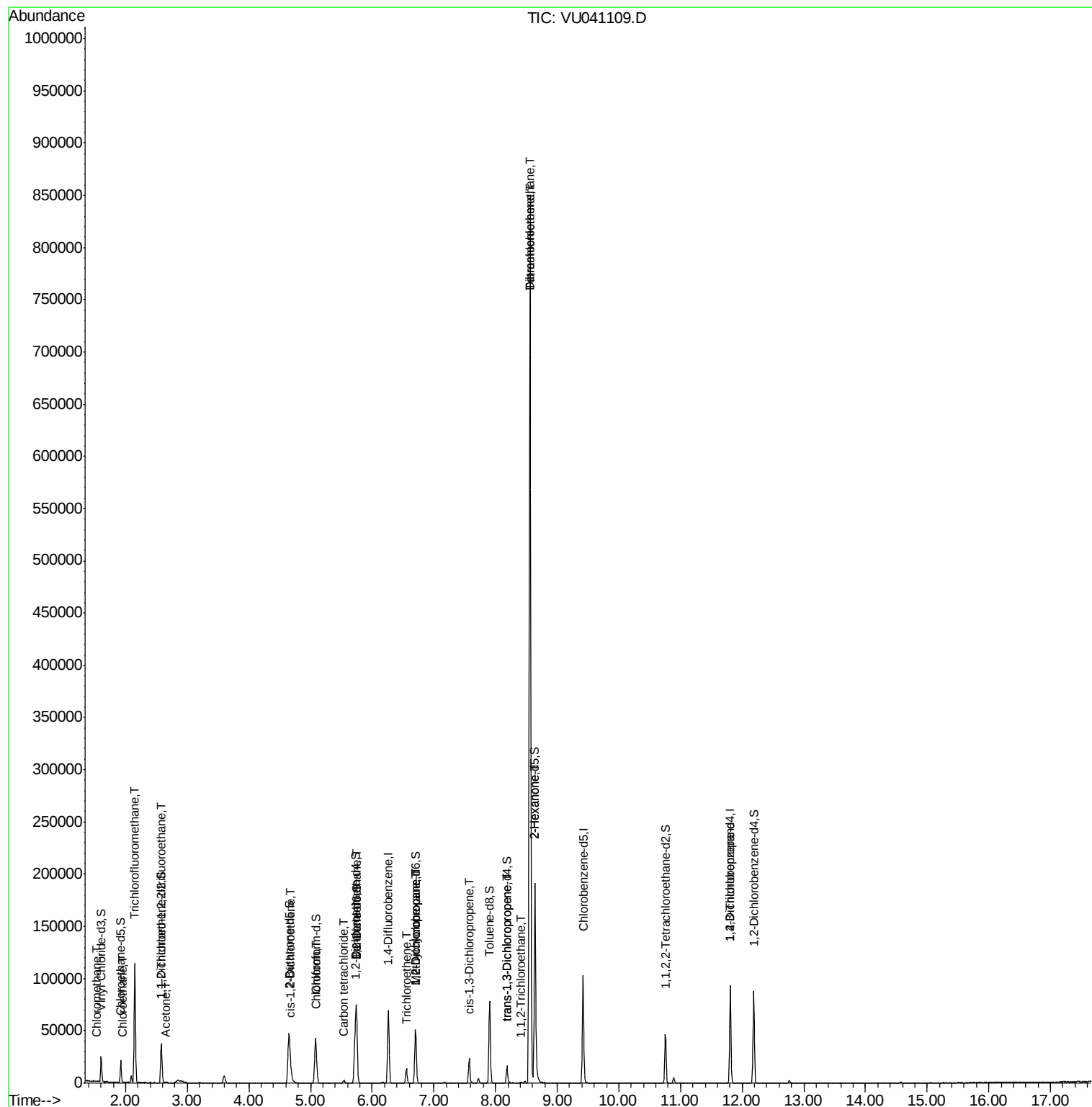
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	169938	45.336	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3144	0.973	ug/L	92

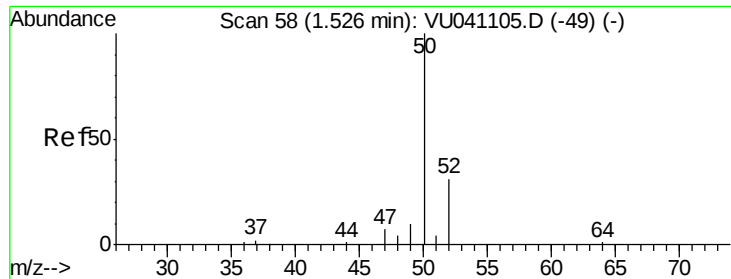
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 06 01:44:25 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.050 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041109.D

Acq: 05 Nov 2020 17:02

Instrument :

MSVOA_U

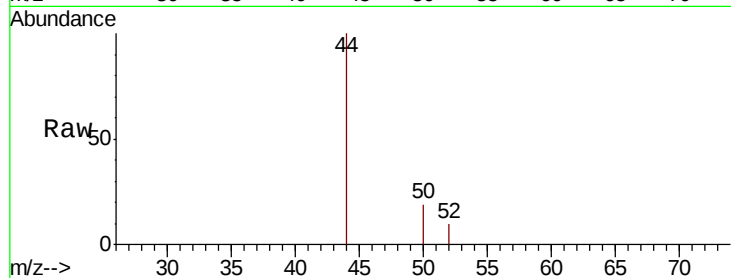
ClientSampled :

Tot Ion: 50 Resp: 246

Ion Ratio Lower Upper

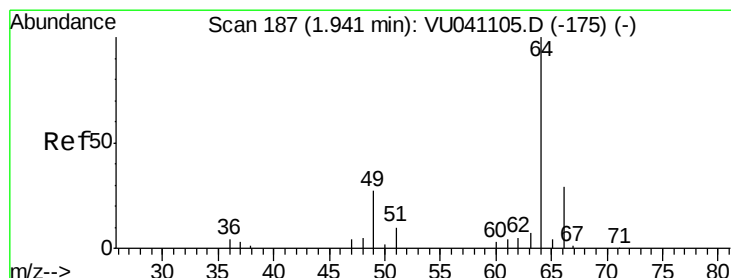
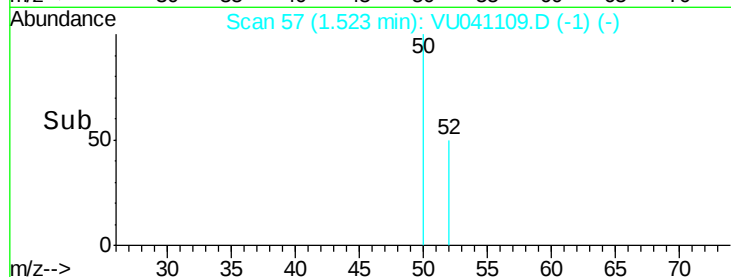
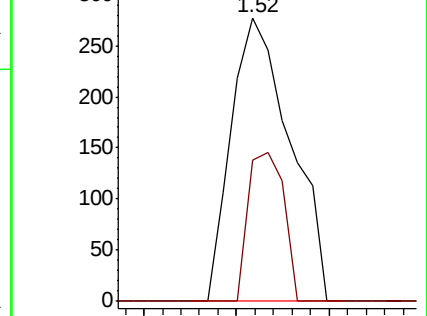
50 100

52 49.6 22.4 41.6#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.031 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.01 min

Lab File: VU041109.D

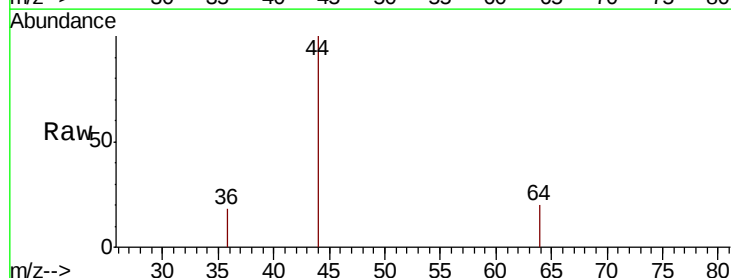
Acq: 05 Nov 2020 17:02

Tgt Ion: 64 Resp: 95

Ion Ratio Lower Upper

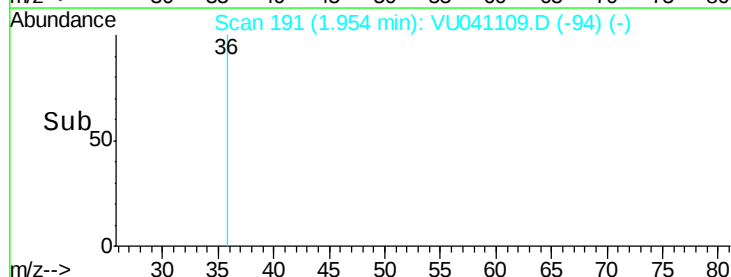
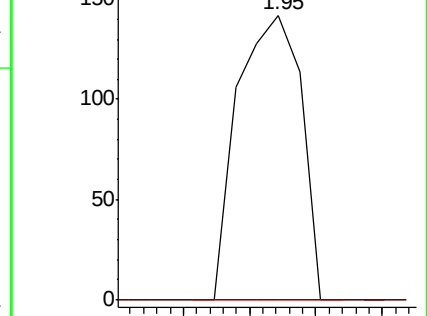
64 100

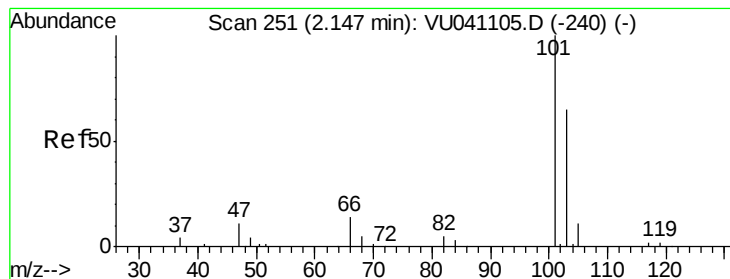
66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



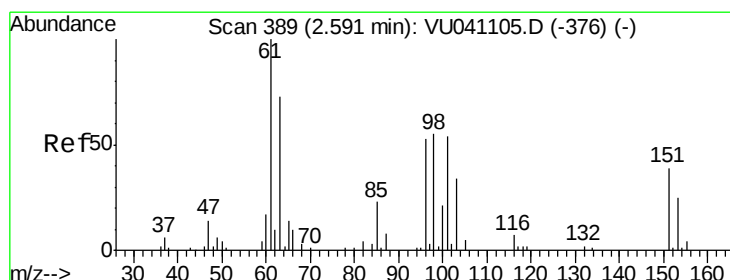
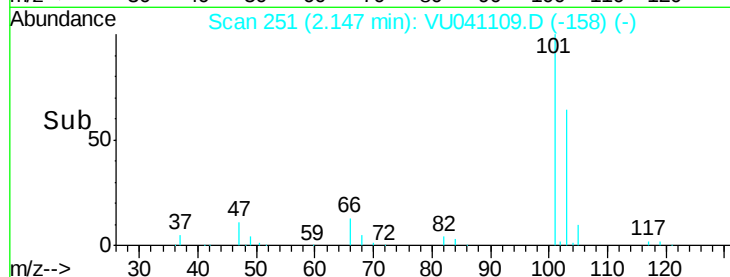
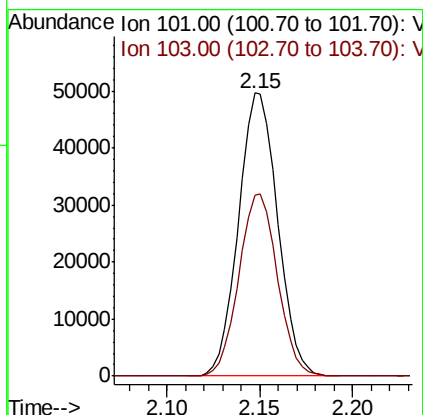
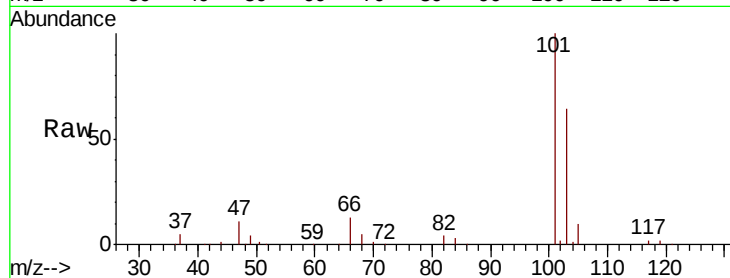


#9

Trichlorofluoromethane
Concen: 11.050 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041109.D
Acq: 05 Nov 2020 17:02

Instrument :
MSVOA_U
ClientSampled :

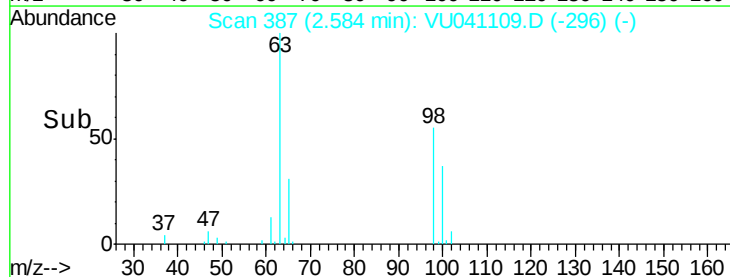
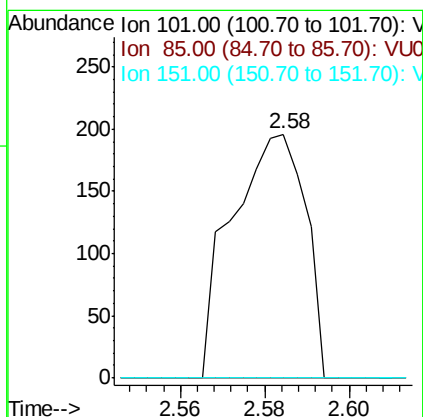
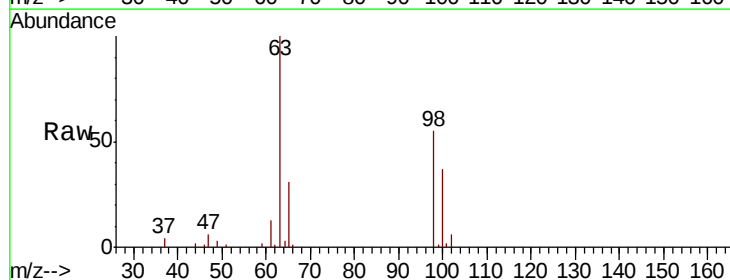
Tot Ion:101 Resp: 72663
Ion Ratio Lower Upper
101 100
103 63.5 51.0 76.4

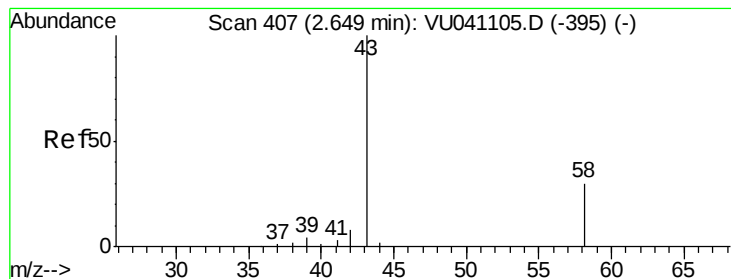


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.061 ug/L
RT: 2.58 min Scan# 387
Delta R.T. -0.01 min
Lab File: VU041109.D
Acq: 05 Nov 2020 17:02

Tgt Ion:101 Resp: 237
Ion Ratio Lower Upper
101 100
85 0.0 35.0 52.4#
151 0.0 55.3 82.9#





#13

Acetone

Concen: 1.917 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU041109.D

Acq: 05 Nov 2020 17:02

Instrument :

MSVOA_U

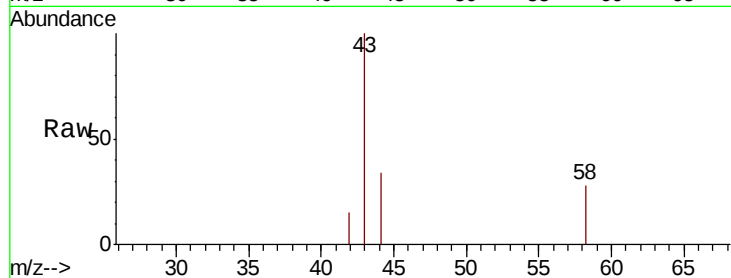
ClientSampleId :

Tot Ion: 43 Resp: 1868

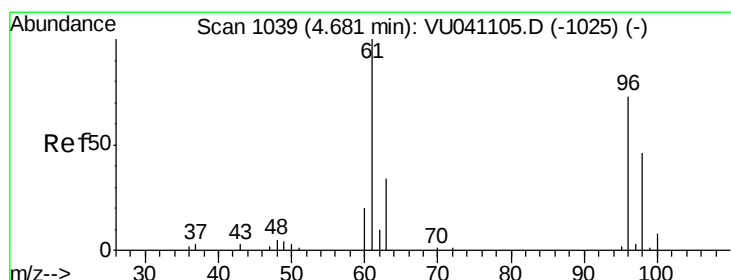
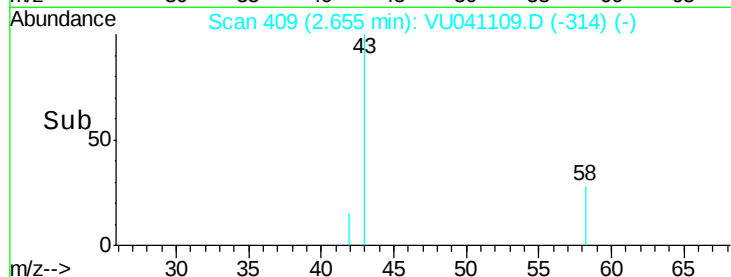
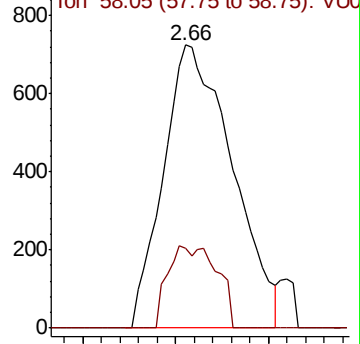
Ion Ratio Lower Upper

43 100

58 10.5 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041109.D (-314) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.210 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041109.D

Acq: 05 Nov 2020 17:02

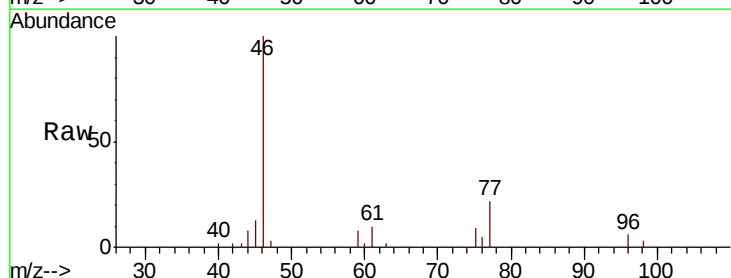
Tgt Ion: 96 Resp: 800

Ion Ratio Lower Upper

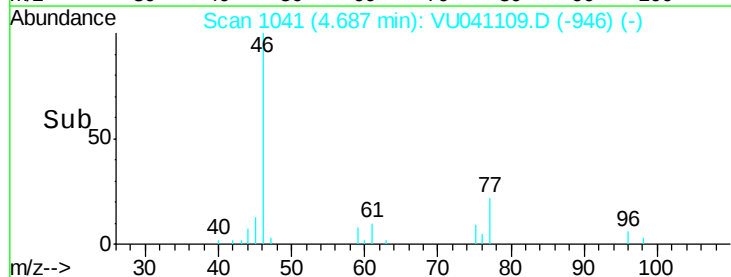
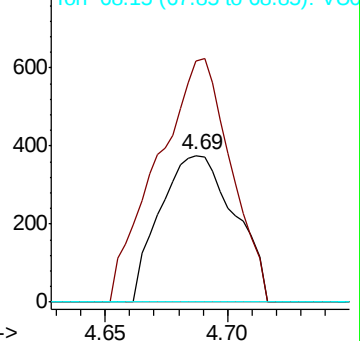
96 100

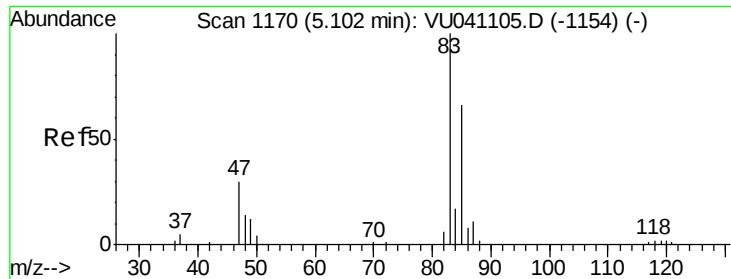
61 164.8 97.2 180.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041109.D (-946) (-)





#25

Chloroform

Concen: 0.248 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041109.D

Acq: 05 Nov 2020 17:02

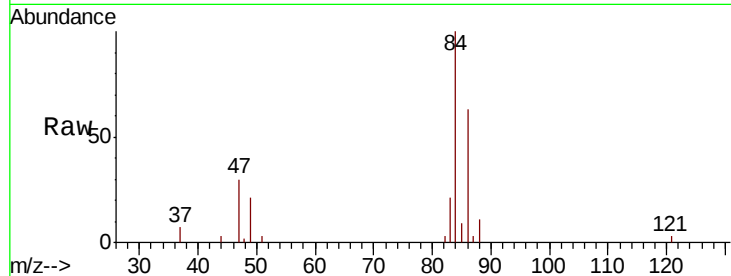
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 1836

Ion Ratio Lower Upper

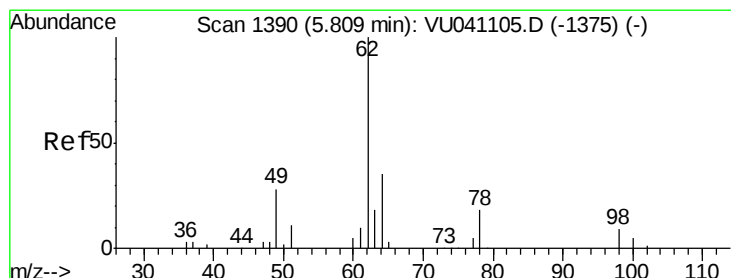
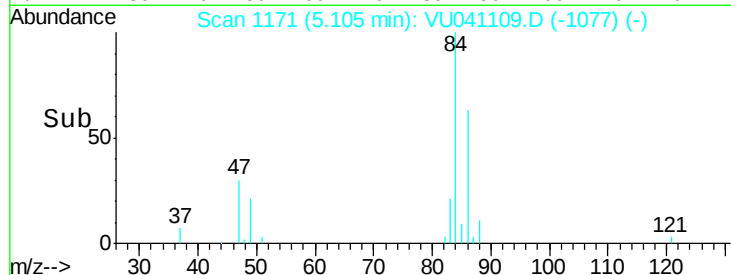
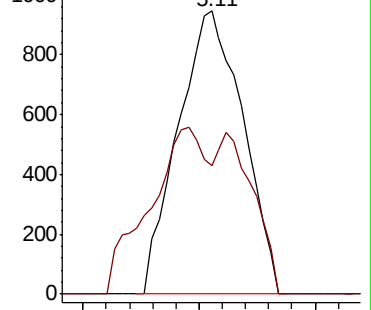
83 100

85 45.2 46.1 85.7#



Abundance Ion 83.05 (82.75 to 83.75): VU041105.D (-1154) (-)

Ion 85.00 (84.70 to 85.70): VU041105.D (-1154) (-)



#27

1,2-Dichloroethane

Concen: 0.066 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU041109.D

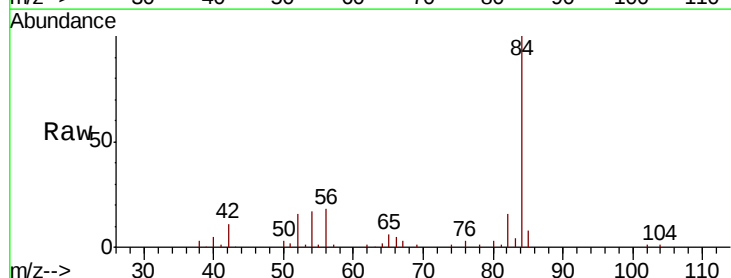
Acq: 05 Nov 2020 17:02

Tgt Ion: 62 Resp: 362

Ion Ratio Lower Upper

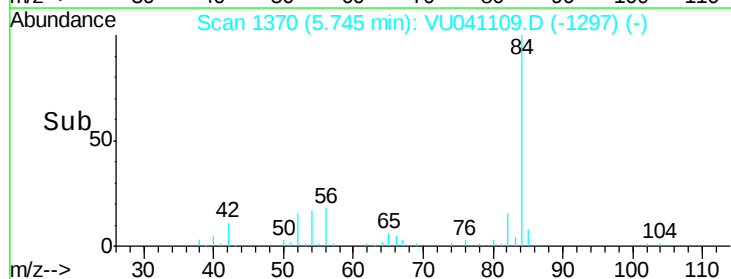
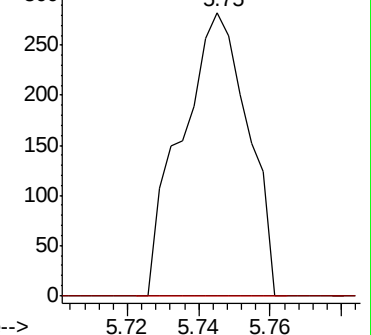
62 100

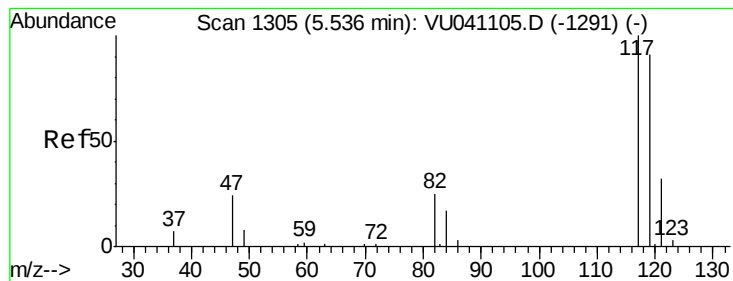
98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU041105.D (-1375) (-)

Ion 98.05 (97.75 to 98.75): VU041105.D (-1375) (-)





#31

Carbon tetrachloride

Concen: 0.294 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.01 min

Lab File: VU041109.D

Acq: 05 Nov 2020 17:02

Instrument :

MSVOA_U

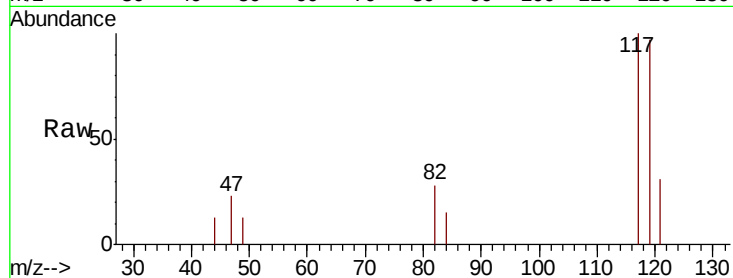
ClientSampled :

Tot Ion:117 Resp: 1707

Ion Ratio Lower Upper

117 100

119 103.7 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

800

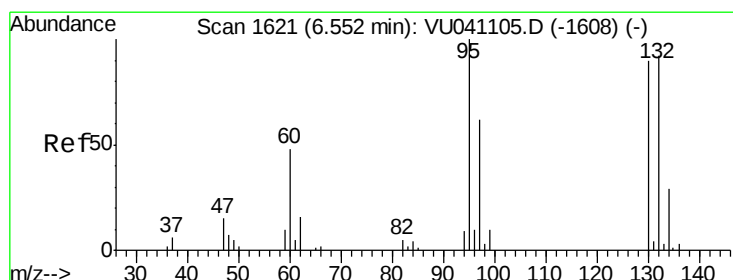
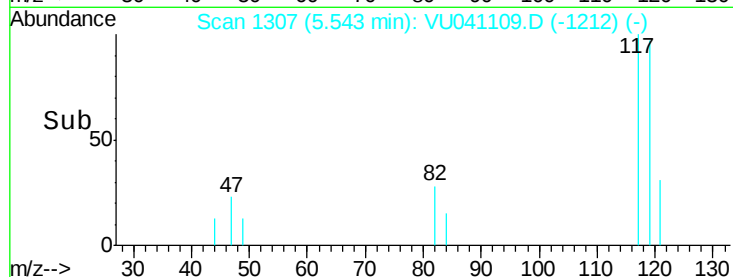
600

400

200

0

Time-->



#34

Trichloroethene

Concen: 1.083 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041109.D

Acq: 05 Nov 2020 17:02

Tgt Ion: 95 Resp: 4415

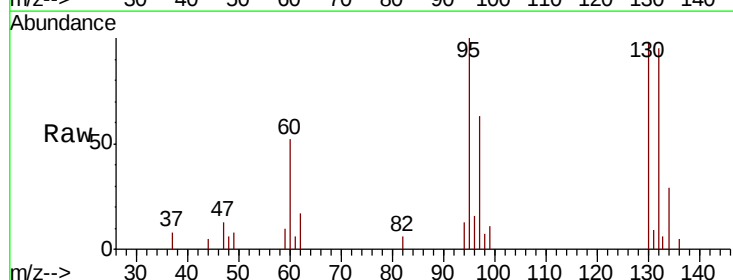
Ion Ratio Lower Upper

95 100

97 62.8 45.6 84.6

132 95.1 64.8 120.4

130 98.1 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

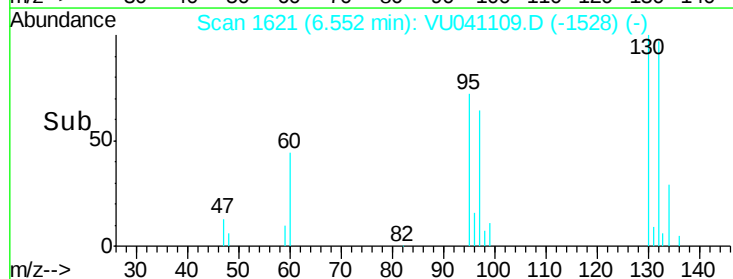
3000

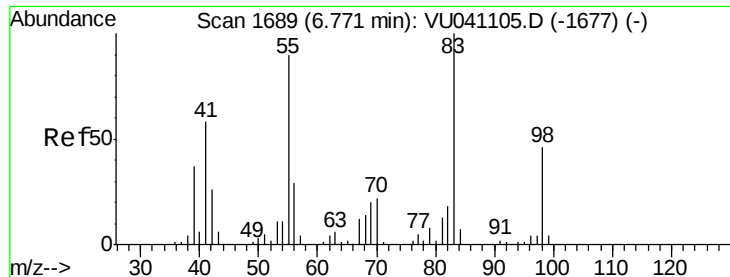
2000

1000

0

Time-->

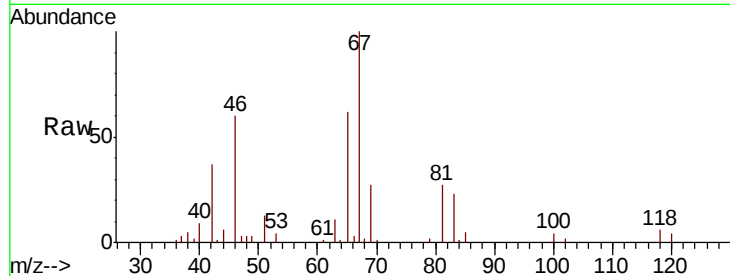




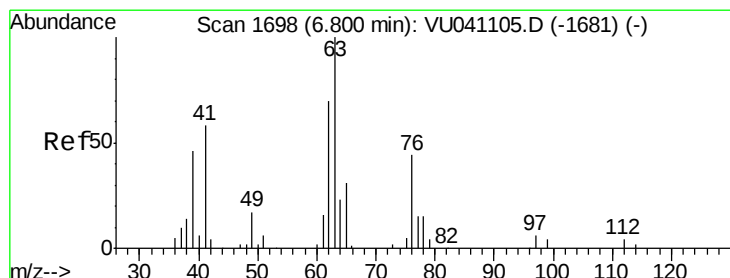
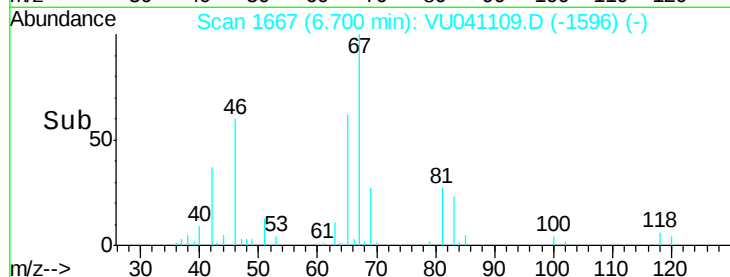
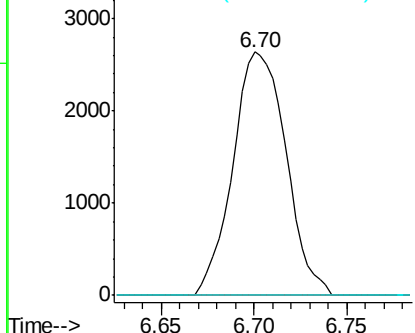
#35
Methvlcvclohexane
Concen: 0.863 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041109.D
Acq: 05 Nov 2020 17:02

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 5247
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 4.4 36.6 55.0#

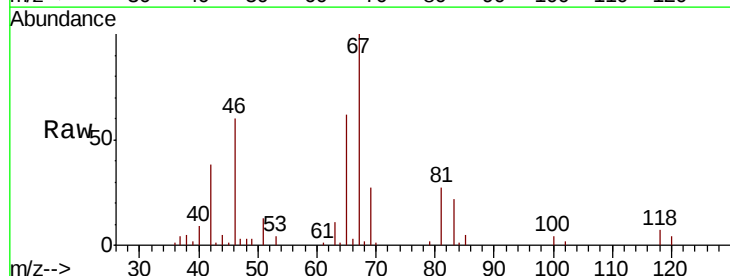


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

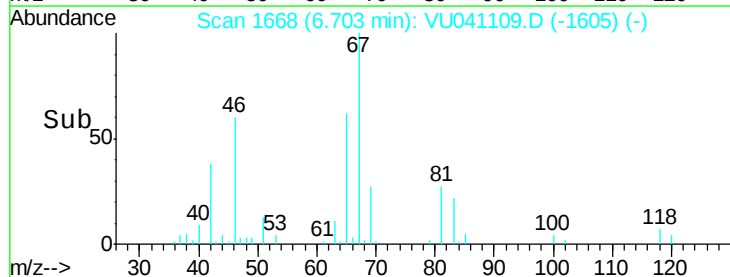
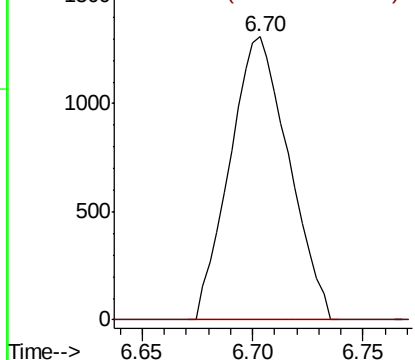


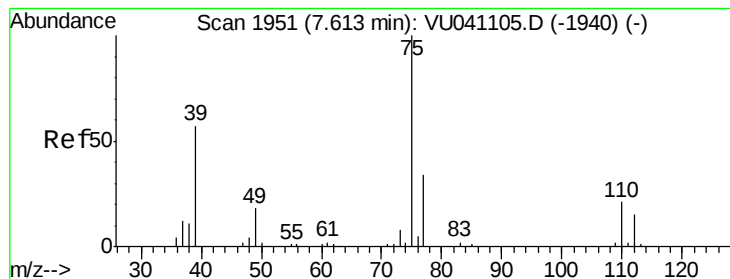
#37
1,2-Dichloropropane
Concen: 0.560 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041109.D
Acq: 05 Nov 2020 17:02

Tgt Ion: 63 Resp: 2428
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



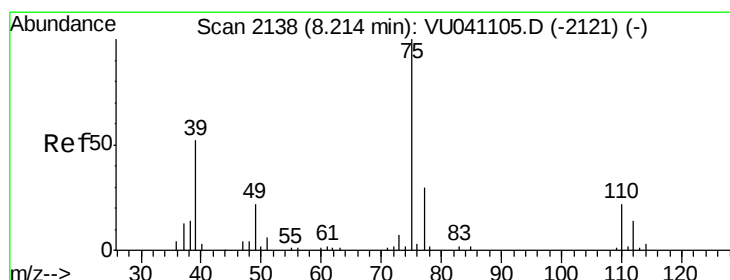
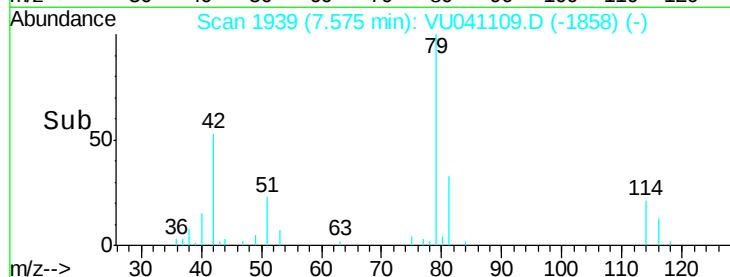
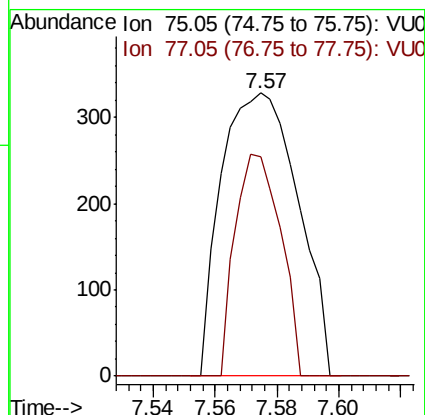
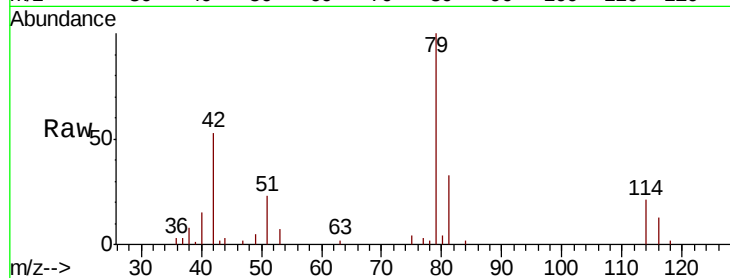


#39

cis-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU041109.D
Acq: 05 Nov 2020 17:02

Instrument :
MSVOA_U
ClientSampleId :

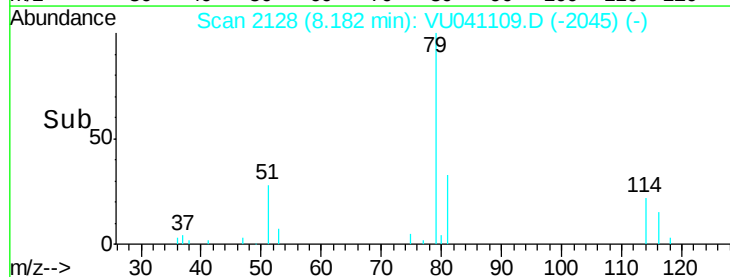
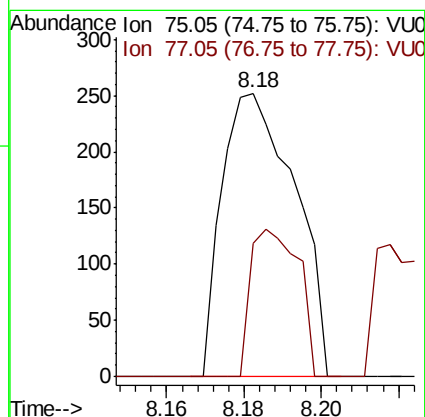
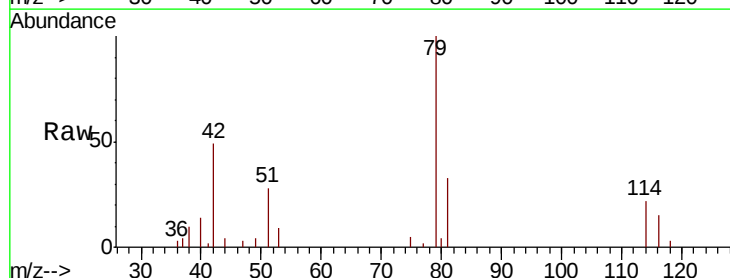
Tot Ion: 75 Resp: 567
Ion Ratio Lower Upper
75 100
77 77.4 22.7 42.3#

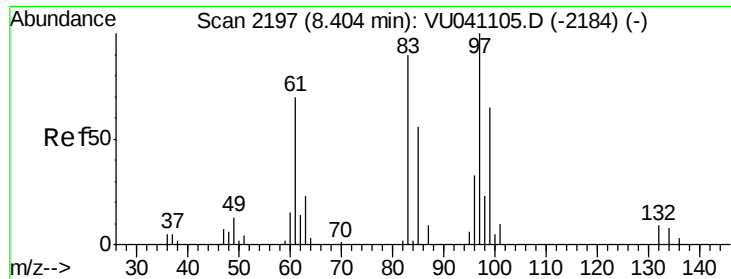


#44

trans-1,3-Dichloropropene
Concen: 0.059 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041109.D
Acq: 05 Nov 2020 17:02

Tgt Ion: 75 Resp: 330
Ion Ratio Lower Upper
75 100
77 46.8 23.3 43.3#

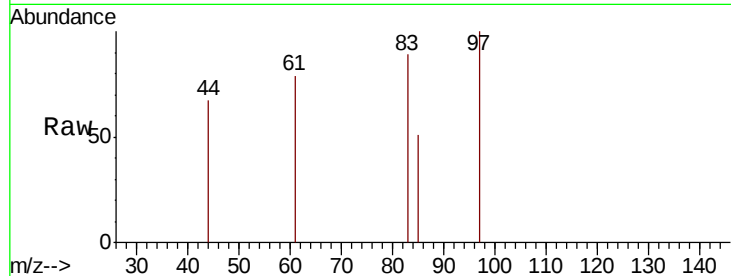




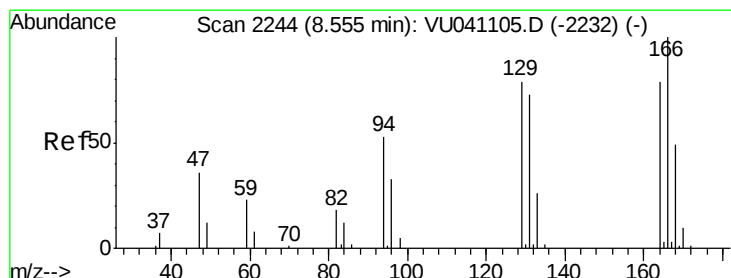
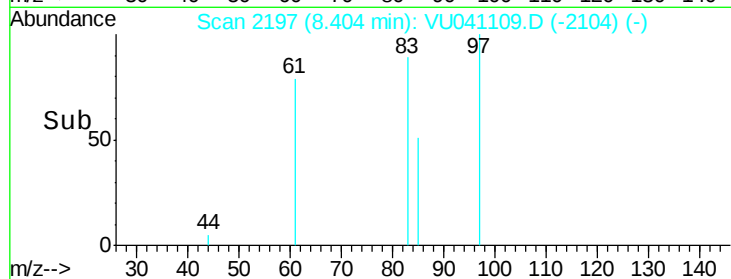
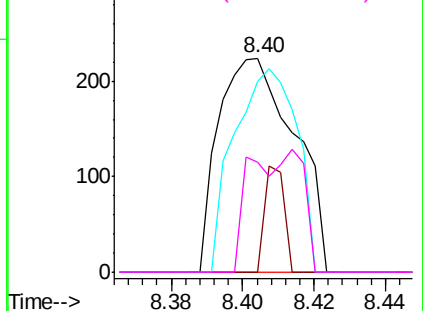
#45
1,1,2-Trichloroethane
Concen: 0.102 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041109.D
Acq: 05 Nov 2020 17:02

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 329
Ion Ratio Lower Upper
97 100
99 0.0 45.8 85.2#
83 89.3 67.9 126.1
85 51.3 42.8 79.6

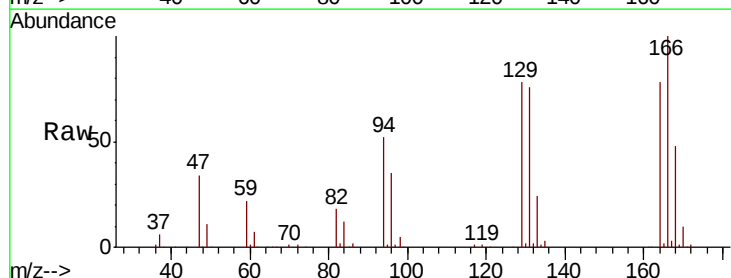


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

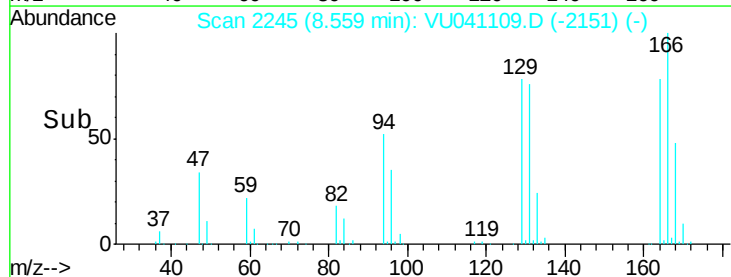
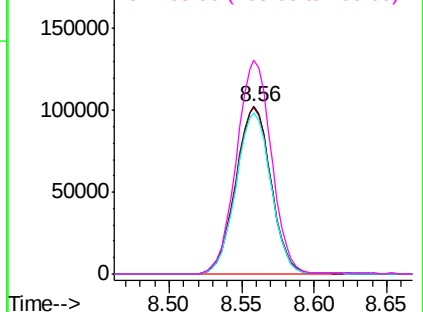


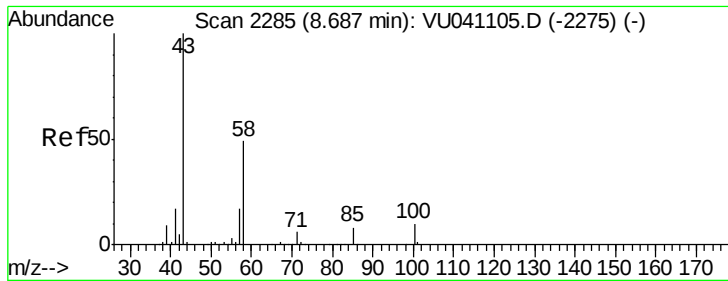
#47
Tetrachloroethene
Concen: 57.106 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041109.D
Acq: 05 Nov 2020 17:02

Tgt Ion: 164 Resp: 171240
Ion Ratio Lower Upper
164 100
129 99.3 70.3 130.7
131 96.7 70.8 131.4
166 127.6 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

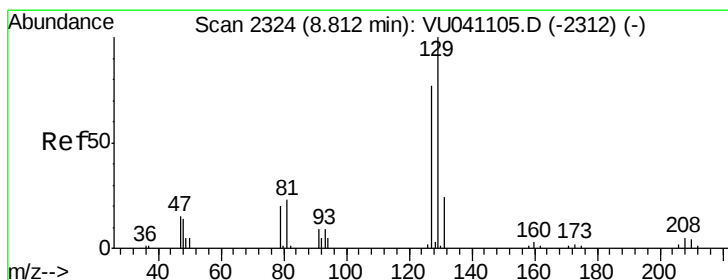
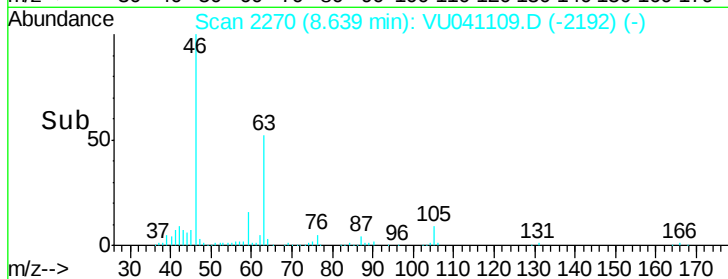
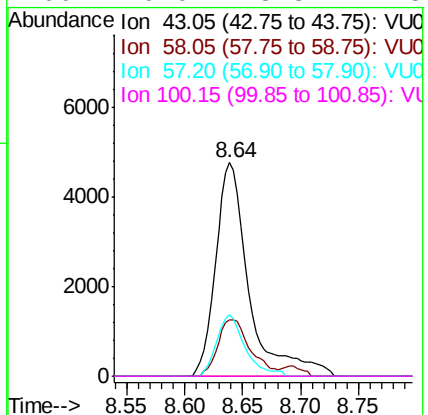
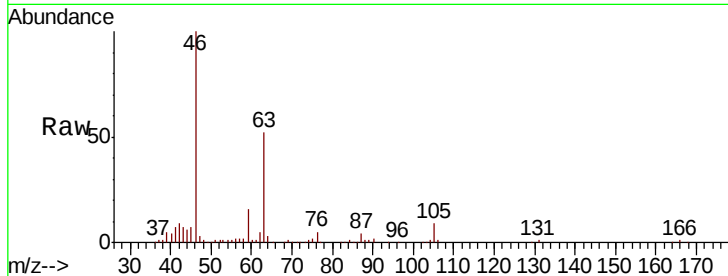




#48
2-Hexanone
Concen: 3.669 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041109.D
Acq: 05 Nov 2020 17:02

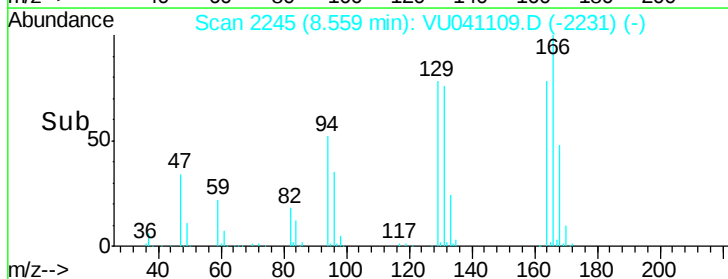
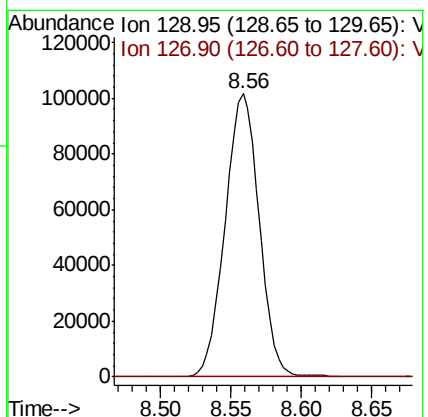
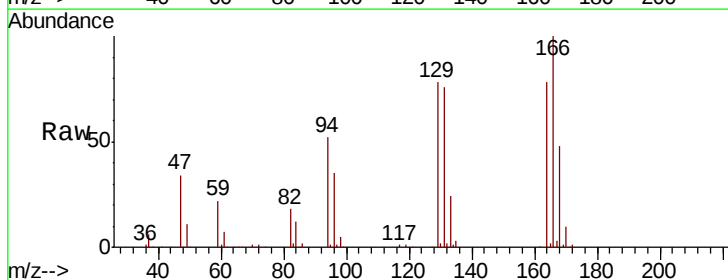
Instrument :
MSVOA_U
ClientSampleId :

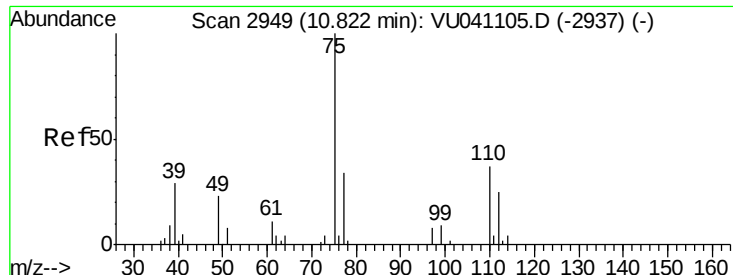
Tot Ion: 43 Resp: 9551
Ion Ratio Lower Upper
43 100
58 25.8 41.4 62.2#
57 24.5 14.6 21.8#
100 0.0 8.3 12.5#



#49
Dibromochloromethane
Concen: 45.336 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041109.D
Acq: 05 Nov 2020 17:02

Tgt Ion: 129 Resp: 169938
Ion Ratio Lower Upper
129 100
127 0.2 53.4 99.2#





#59

1,2,3-Trichloropropane

Concen: 0.973 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041109.D

Acq: 05 Nov 2020 17:02

Instrument :

MSVOA_U

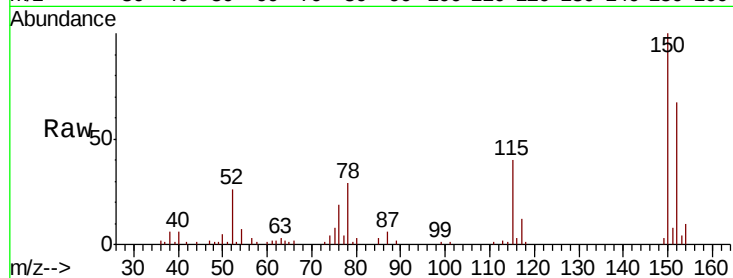
ClientSampleId :

Tot Ion: 75 Resp: 3144

Ion Ratio Lower Upper

75 100

77 36.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

