

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110520\
 Data File : VU041110.D
 Acq On : 05 Nov 2020 17:25
 Operator : SY/MD
 Sample : L4648-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 06 01:52:19 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	51034	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54382	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24555	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16216	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	1.92	69	14330	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.58	63	24177	2.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.40%#
20) 2-Butanone-d5	4.65	46	84901	60.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.26%
24) Chloroform-d	5.08	84	36955	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	23718	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.74	84	62087	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.70	67	23064	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.91	98	49476	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.00%
43) trans-1,3-Dichloropropene-	8.19	79	9579	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.64	63	64934	58.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22393	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	20498	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	536	0.110 ug/L #	70
8) Chloroethane	1.93	64	100	0.033 ug/L #	43
9) Trichlorofluoromethane	2.15	101	175443	26.931 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	231	0.061 ug/L #	22
13) Acetone	2.65	43	2590	2.683 ug/L	73
15) Methyl Acetate	3.04	43	365	0.165 ug/L #	53
22) cis-1,2-Dichloroethene	4.68	96	798	0.211 ug/L	91
25) Chloroform	5.11	83	2696	0.367 ug/L	90
27) 1,2-Dichloroethane	5.74	62	253	0.046 ug/L #	74
31) Carbon tetrachloride	5.54	117	3990	0.677 ug/L	98
34) Trichloroethene	6.56	95	3994	0.966 ug/L	86
35) Methylcyclohexane	6.70	83	5309	0.861 ug/L #	15
37) 1,2-Dichloropropane	6.70	63	2579	0.587 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	703	0.116 ug/L #	80
40) 4-Methyl-2-pentanone	7.73	43	5151	1.469 ug/L #	45
44) trans-1,3-Dichloropropene	8.18	75	442	0.078 ug/L #	71
45) 1,1,2-Trichloroethane	8.40	97	686	0.210 ug/L	83

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110520\
Data File : VU041110.D
Acq On : 05 Nov 2020 17:25
Operator : SY/MD
Sample : L4648-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Nov 06 01:52:19 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

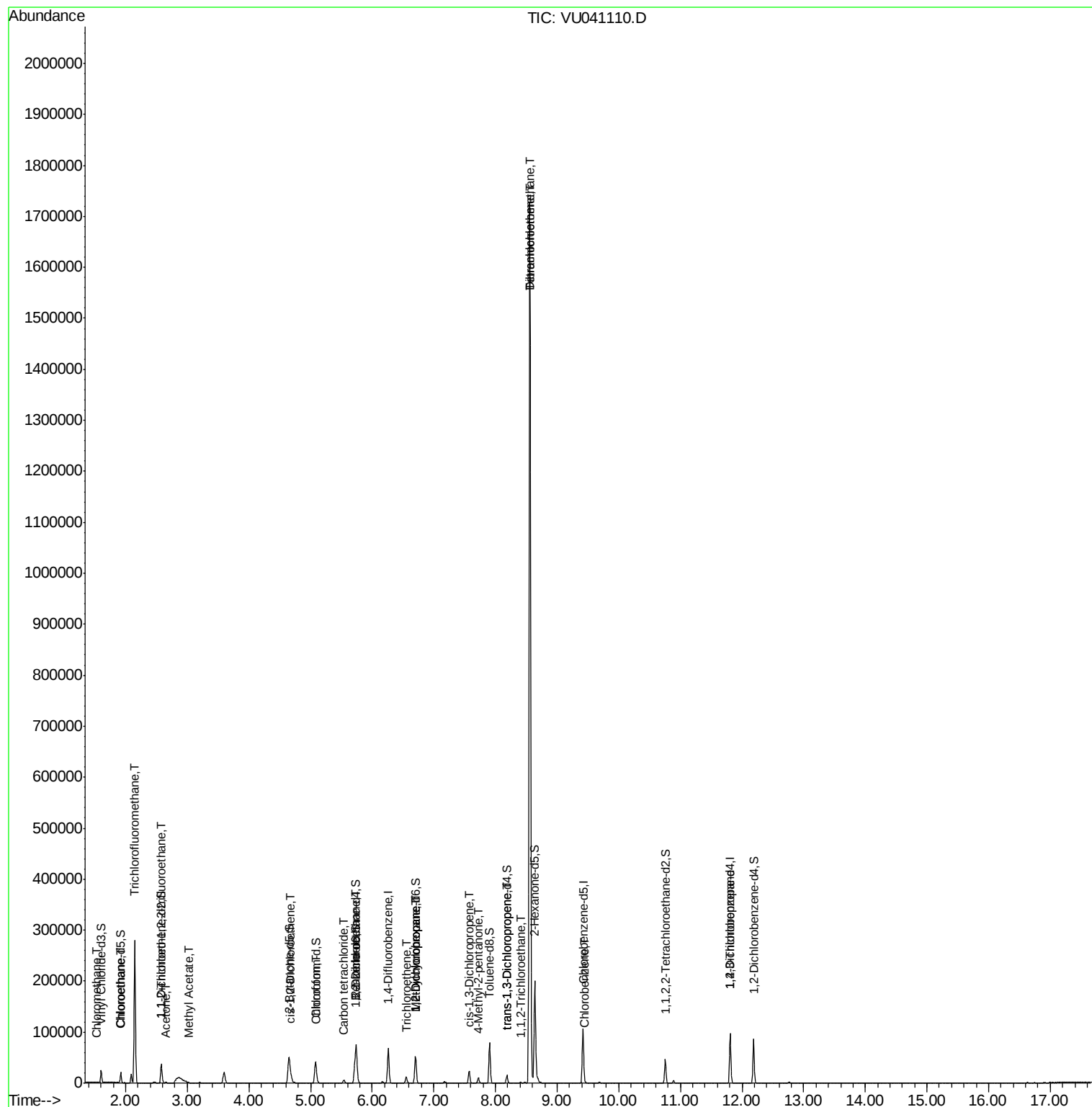
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.56	164	347038	114.130	ug/L	97
49) Dibromochloromethane	8.56	129	346275	91.100	ug/L #	11
51) Chlorobenzene	9.45	112	816	0.078	ug/L	97
59) 1,2,3-Trichloropropane	11.81	75	3098	0.945	ug/L	92

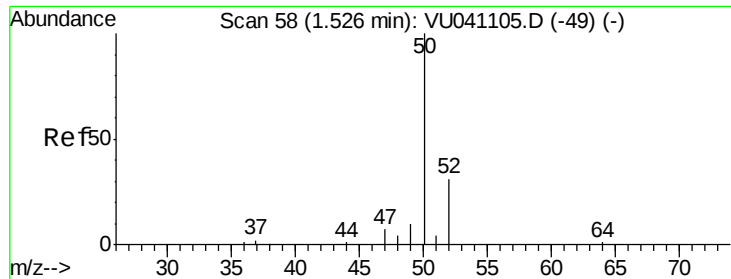
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110520\
Data File : VU041110.D
Acq On : 05 Nov 2020 17:25
Operator : SY/MD
Sample : L4648-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Nov 06 01:52:19 2020
Quant Method : Z:\V0ASRV\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





#3

Chloromethane

Concen: 0.110 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041110.D

Acq: 05 Nov 2020 17:25

Instrument :

MSVOA_U

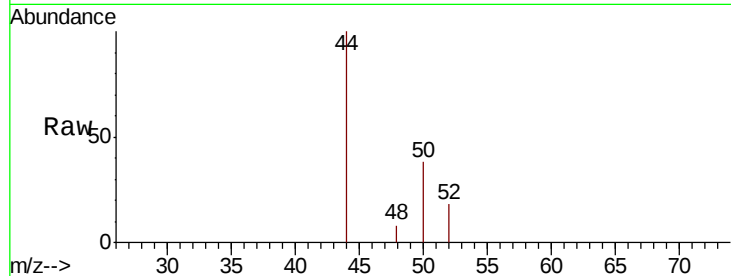
ClientSampleId :

Tot Ion: 50 Resp: 536

Ion Ratio Lower Upper

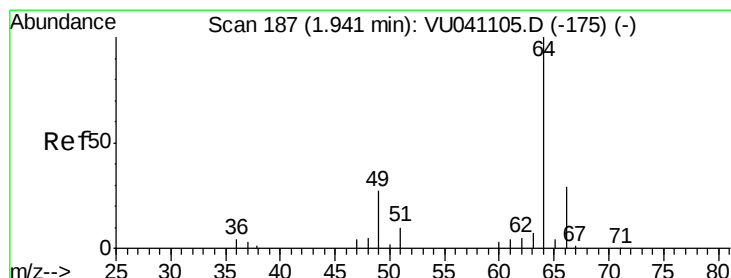
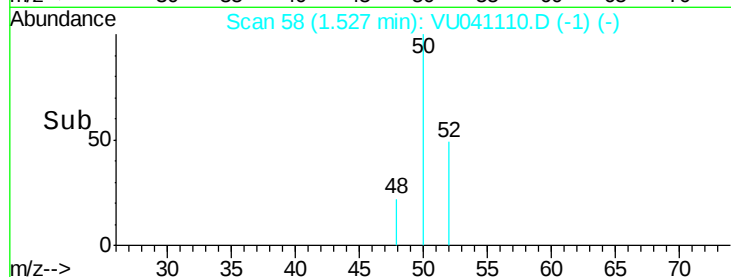
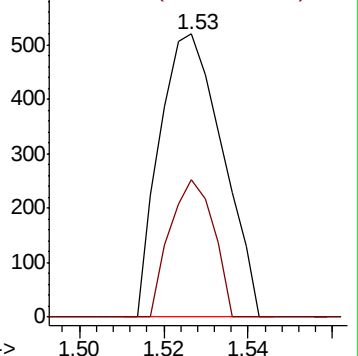
50 100

52 48.7 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: 0.033 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU041110.D

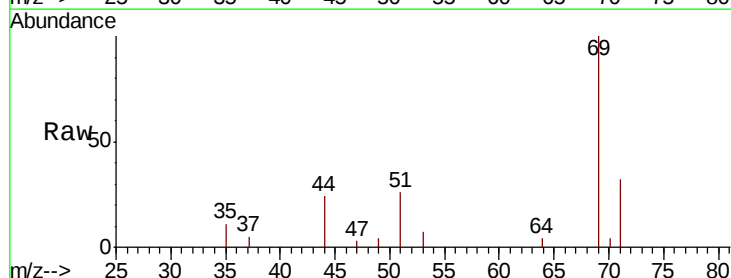
Acq: 05 Nov 2020 17:25

Tgt Ion: 64 Resp: 100

Ion Ratio Lower Upper

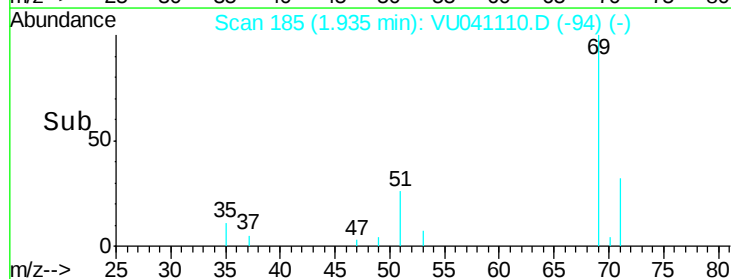
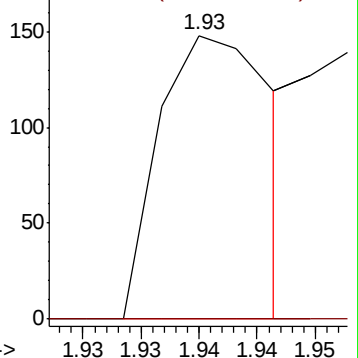
64 100

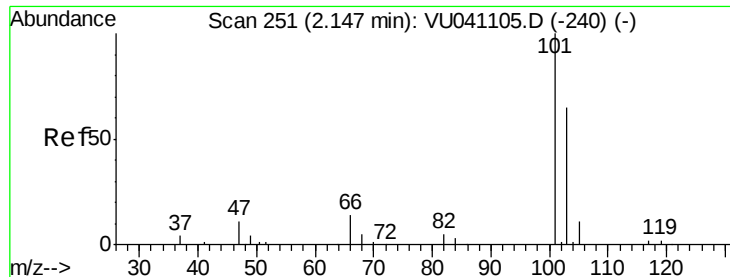
66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

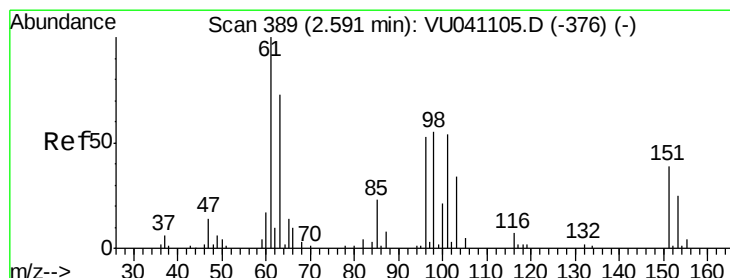
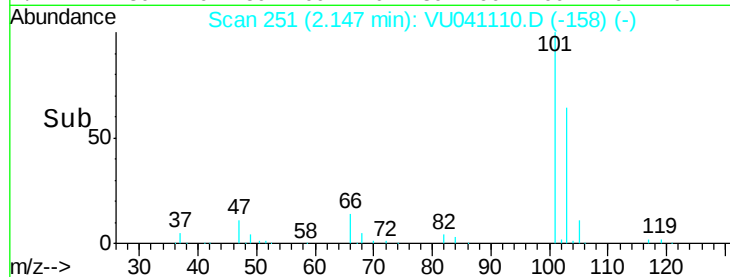
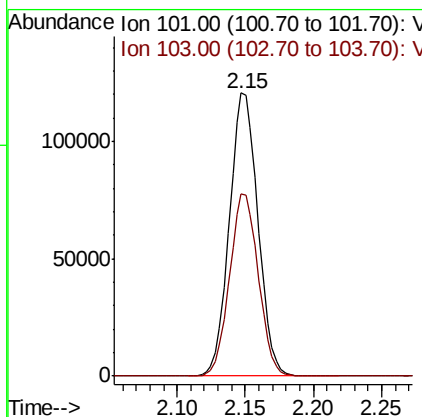
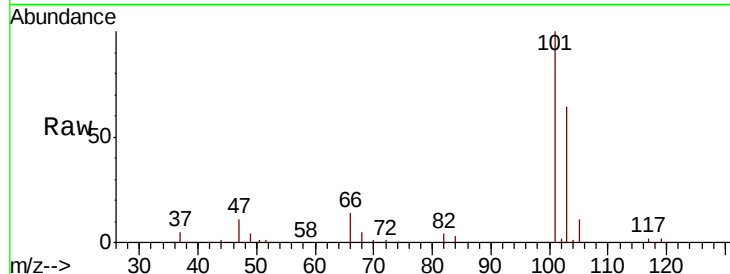




#9
 Trichlorofluoromethane
 Concen: 26.931 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU041110.D
 Acq: 05 Nov 2020 17:25

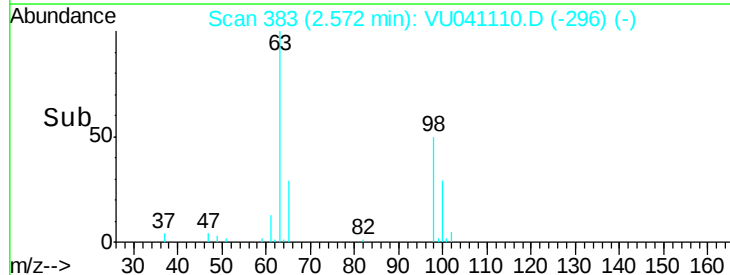
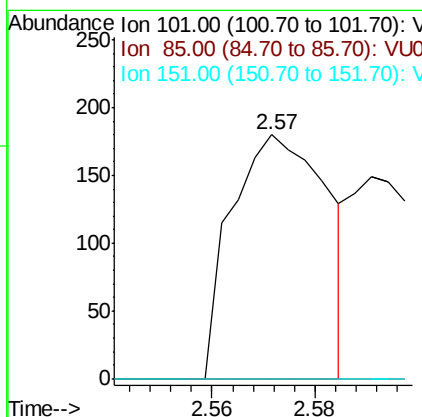
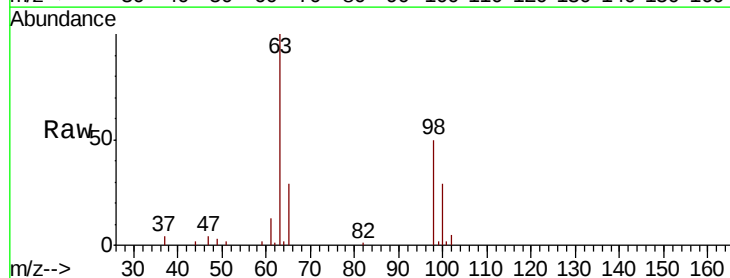
Instrument :
 MSVOA_U
 ClientSampled :

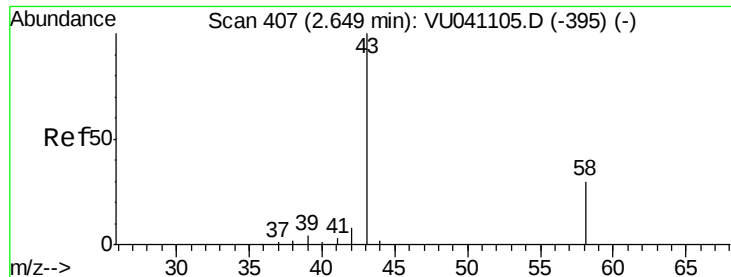
Tot Ion:101 Resp: 175443
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.0 76.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.061 ug/L
 RT: 2.57 min Scan# 383
 Delta R.T. -0.02 min
 Lab File: VU041110.D
 Acq: 05 Nov 2020 17:25

Tgt Ion:101 Resp: 231
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.0 52.4#
 151 0.0 55.3 82.9#





#13

Acetone

Concen: 2.683 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU041110.D

Acq: 05 Nov 2020 17:25

Instrument :

MSVOA_U

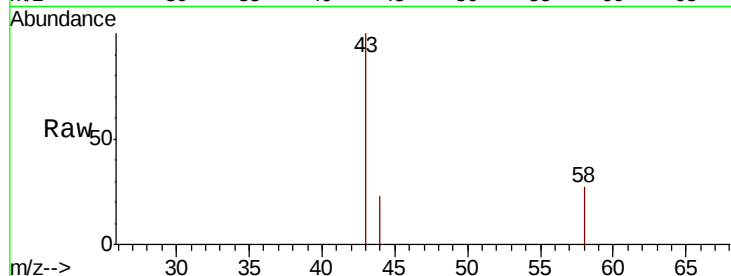
ClientSampled :

Tot Ion: 43 Resp: 2590

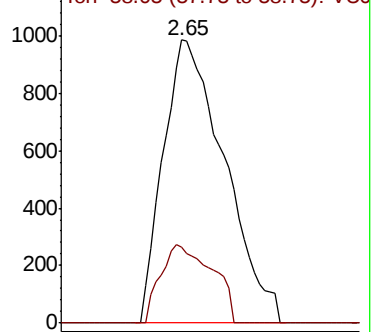
Ion Ratio Lower Upper

43 100

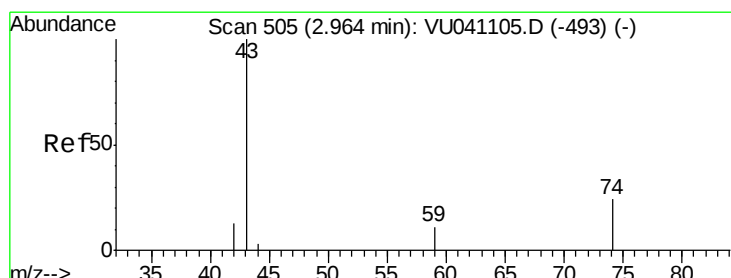
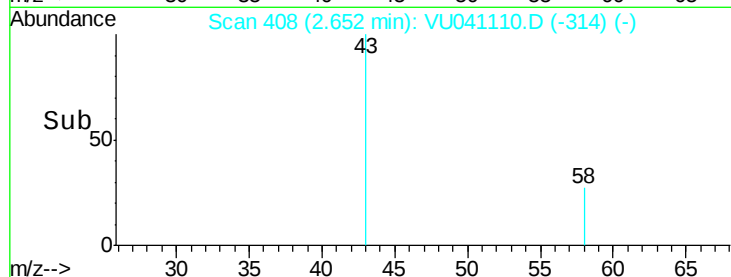
58 23.3 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041110.D (-314) (-)



Time-->



#15

Methyl Acetate

Concen: 0.165 ug/L

RT: 3.04 min Scan# 529

Delta R.T. 0.08 min

Lab File: VU041110.D

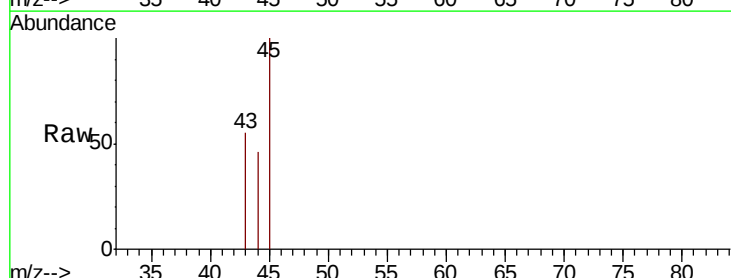
Acq: 05 Nov 2020 17:25

Tgt Ion: 43 Resp: 365

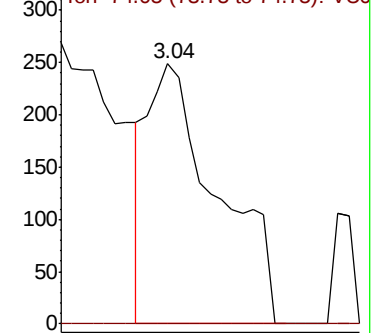
Ion Ratio Lower Upper

43 100

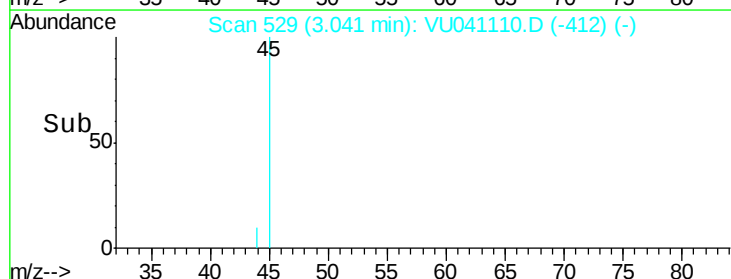
74 0.0 18.3 27.5#

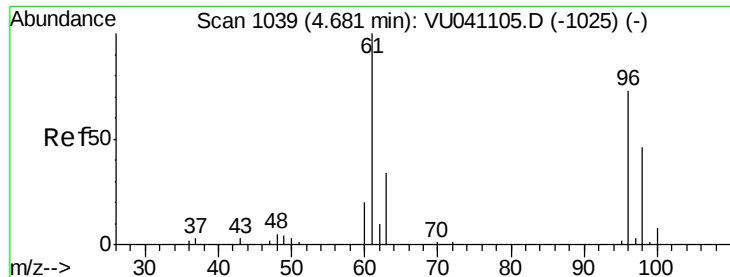


Abundance Ion 43.05 (42.75 to 43.75): VU041110.D (-412) (-)



Time-->





#22

cis-1,2-Dichloroethene

Concen: 0.211 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VU041110.D

Acq: 05 Nov 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

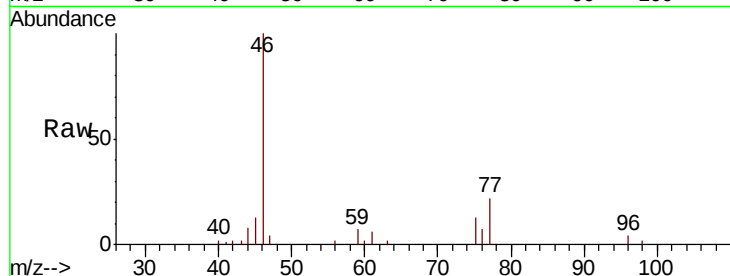
Tot Ion: 96 Resp: 798

Ion Ratio Lower Upper

96 100

61 128.0 97.2 180.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041110.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU041110.D (-946) (-)

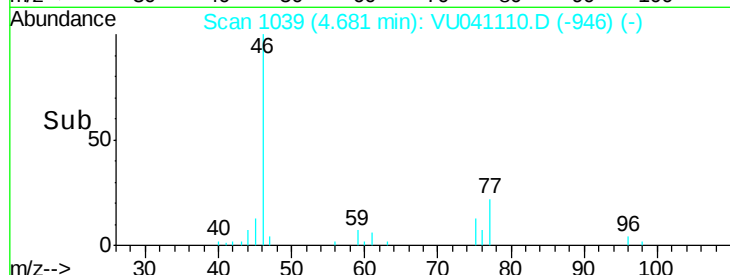
Ion 68.15 (67.85 to 68.85): VU041110.D (-946) (-)

4.68

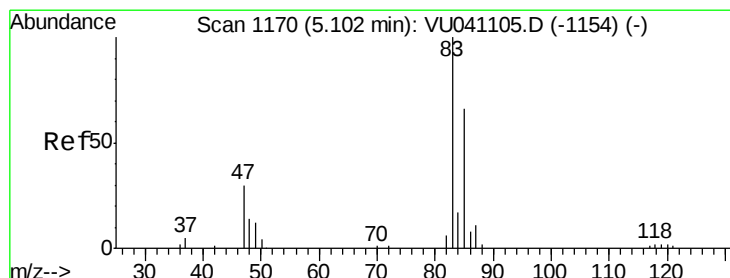
4.65

4.70

Time-->



Time-->



#25

Chloroform

Concen: 0.367 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041110.D

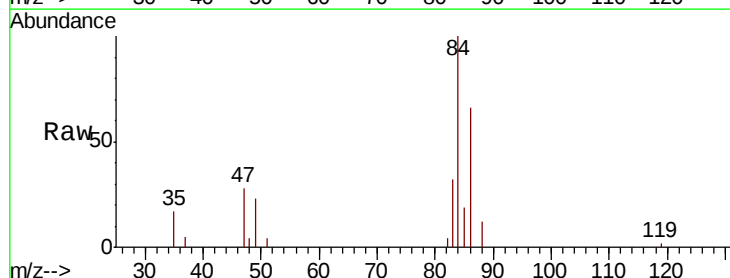
Acq: 05 Nov 2020 17:25

Tgt Ion: 83 Resp: 2696

Ion Ratio Lower Upper

83 100

85 57.8 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041110.D (-1077) (-)

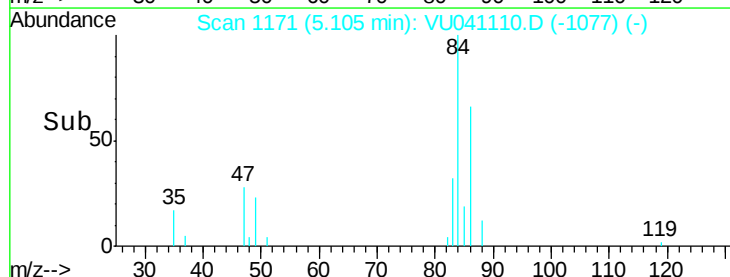
Ion 85.00 (84.70 to 85.70): VU041110.D (-1077) (-)

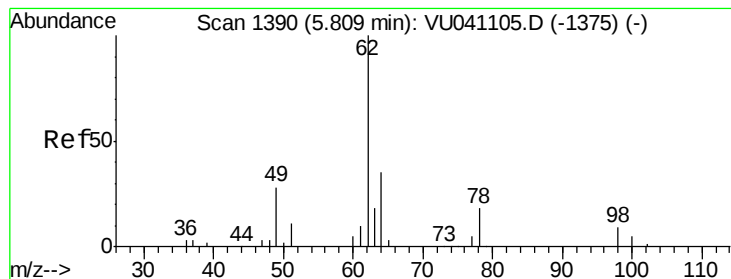
5.11

5.05

5.15

Time-->





#27

1,2-Dichloroethane

Concen: 0.046 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.07 min

Lab File: VU041110.D

Acq: 05 Nov 2020 17:25

Instrument :

MSVOA_U

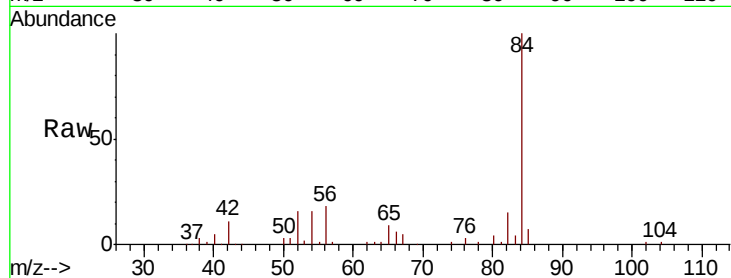
ClientSampleId :

Tot Ion: 62 Resp: 253

Ion Ratio Lower Upper

62 100

98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU041110.D (-1297) (-)

Ion 98.05 (97.75 to 98.75): VU041110.D (-1297) (-)

5.74

200

150

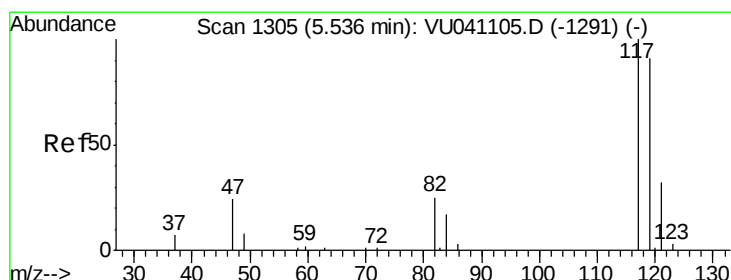
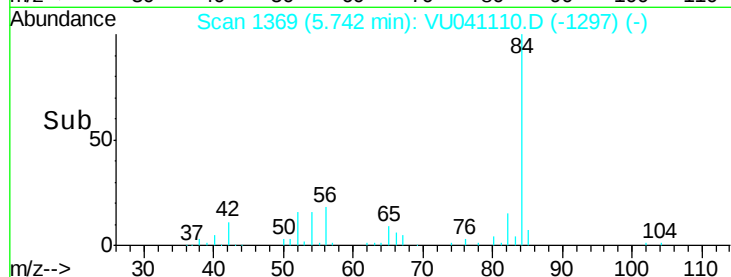
100

50

0

5.72 5.74 5.76

Time-->



#31

Carbon tetrachloride

Concen: 0.677 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041110.D

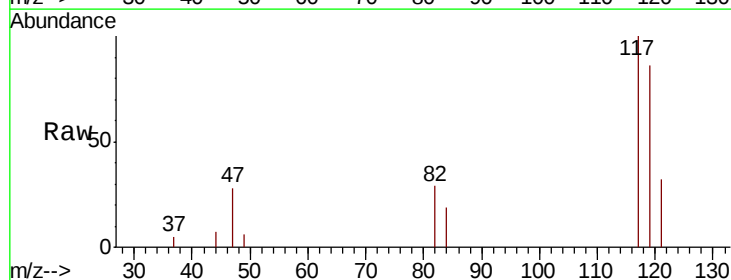
Acq: 05 Nov 2020 17:25

Tgt Ion: 117 Resp: 3990

Ion Ratio Lower Upper

117 100

119 93.3 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): VU041110.D (-1212) (-)

Ion 118.90 (118.60 to 119.60): VU041110.D (-1212) (-)

5.54

2000

1500

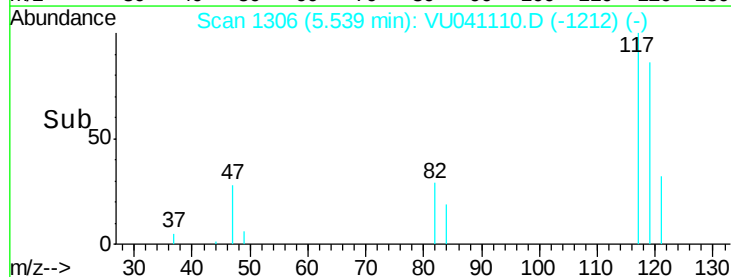
1000

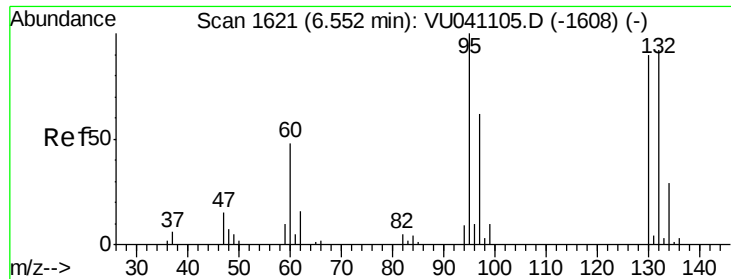
500

0

5.50 5.54 5.60

Time-->

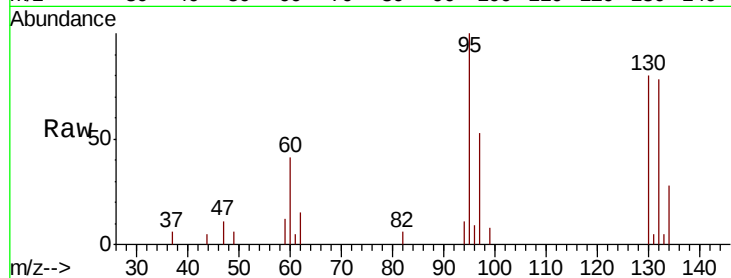




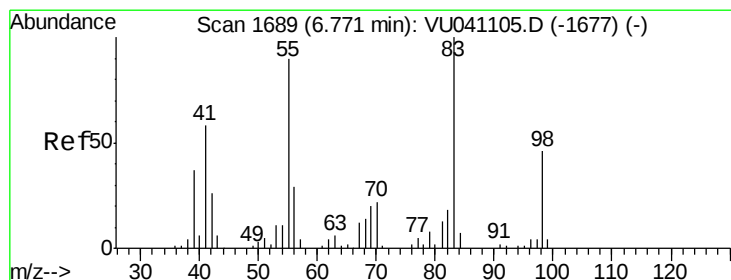
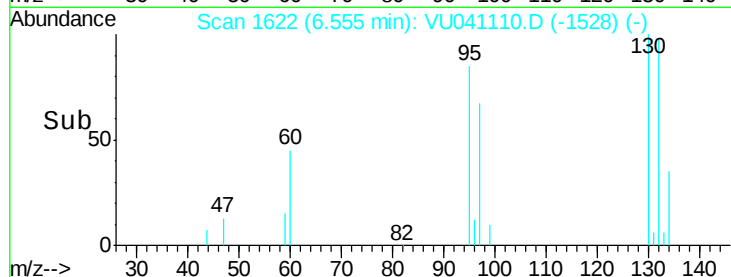
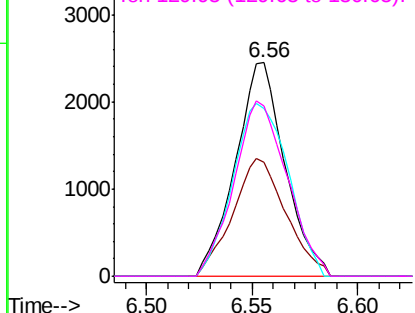
#34
 Trichloroethene
 Concen: 0.966 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041110.D
 Acq: 05 Nov 2020 17:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 3994
 Ion Ratio Lower Upper
 95 100
 97 53.3 45.6 84.6
 132 78.3 64.8 120.4
 130 79.6 64.8 120.4

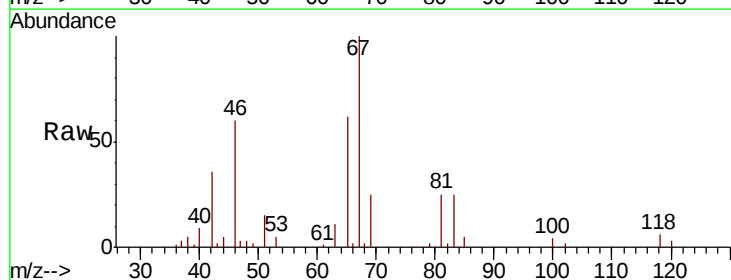


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

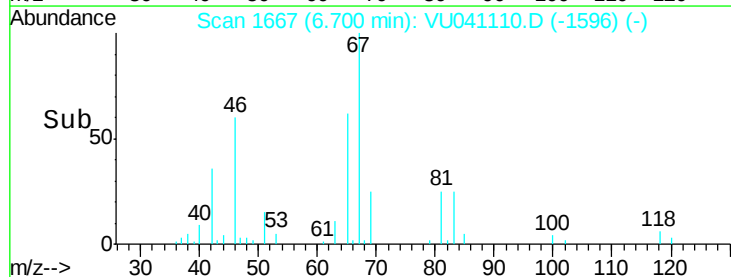
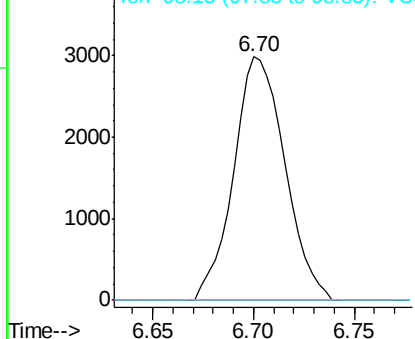


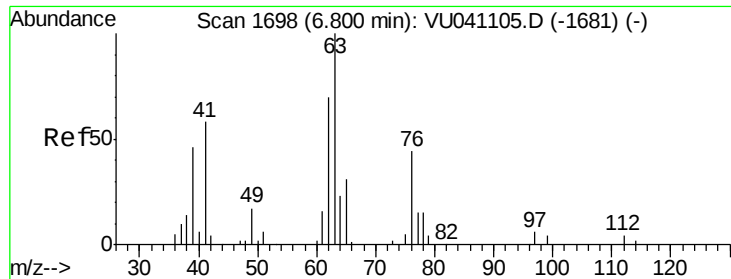
#35
 Methylcyclohexane
 Concen: 0.861 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041110.D
 Acq: 05 Nov 2020 17:25

Tgt Ion: 83 Resp: 5309
 Ion Ratio Lower Upper
 83 100
 55 0.0 72.0 108.0#
 98 3.3 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

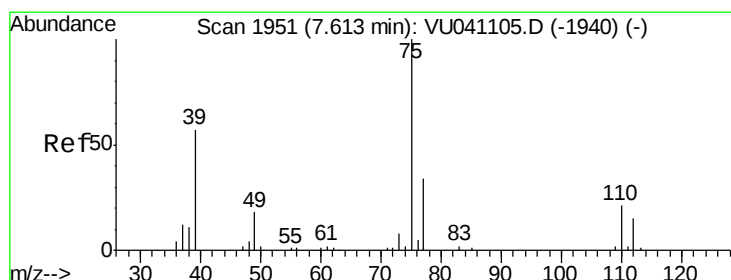
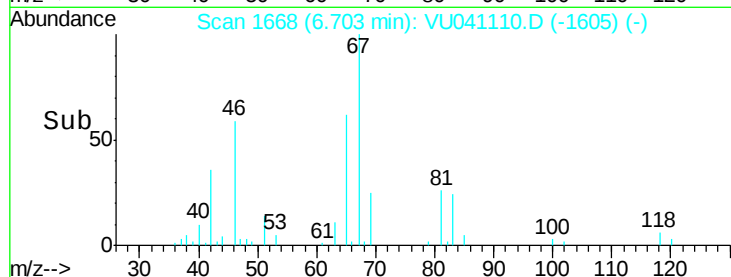
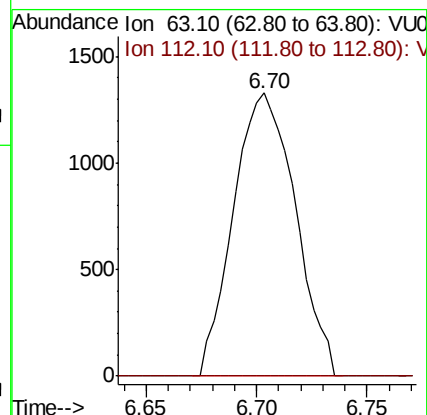
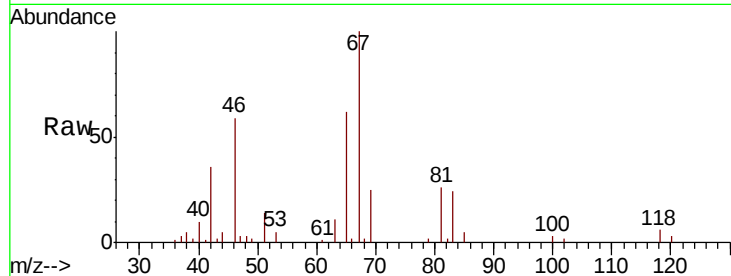




#37
 1,2-Dichloropropane
 Concen: 0.587 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041110.D
 Acq: 05 Nov 2020 17:25

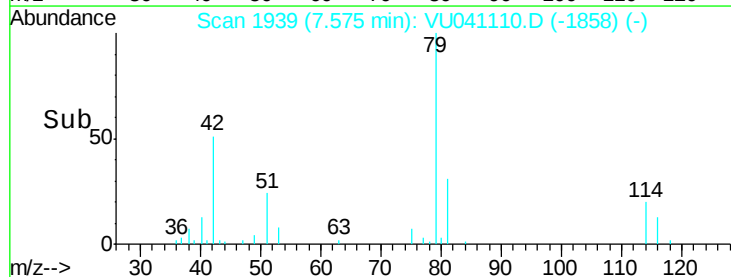
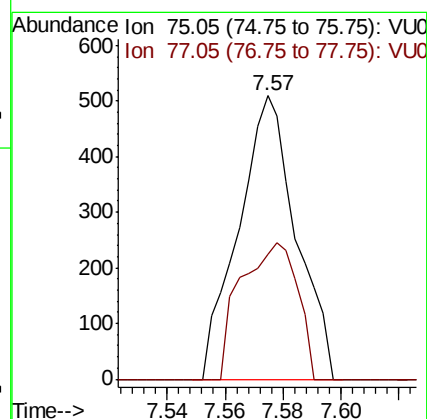
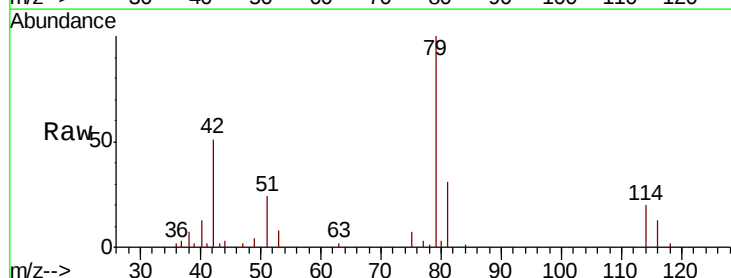
Instrument :
 MSVOA_U
 ClientSampleId :

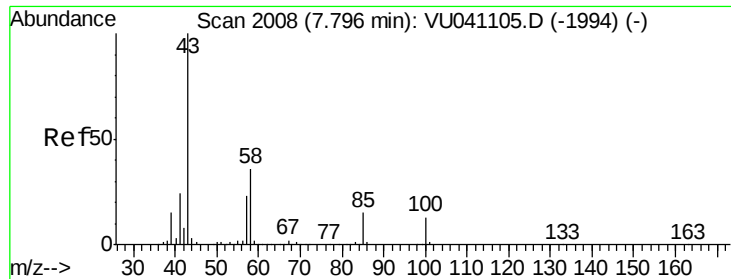
Tot Ion: 63 Resp: 2579
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.116 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041110.D
 Acq: 05 Nov 2020 17:25

Tgt Ion: 75 Resp: 703
 Ion Ratio Lower Upper
 75 100
 77 44.0 22.7 42.3#

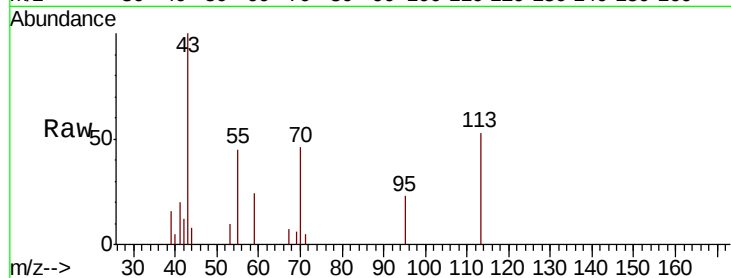




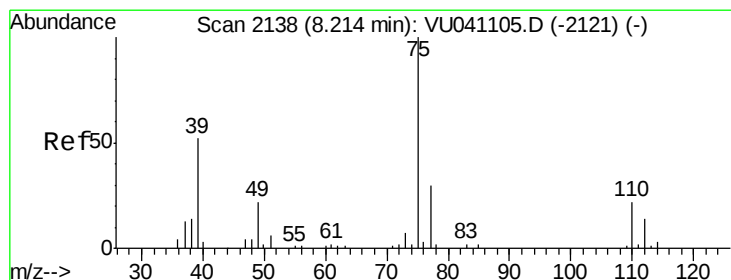
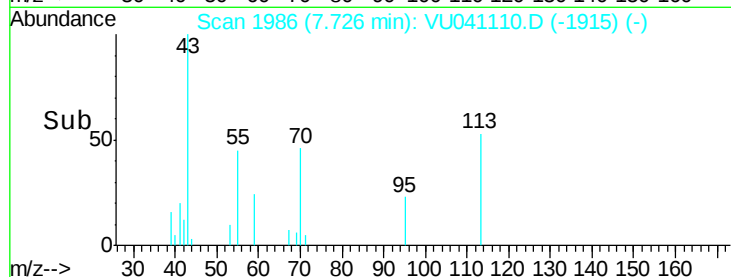
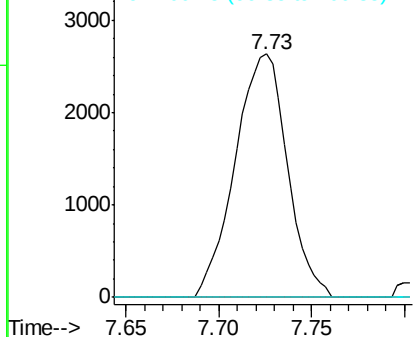
#40
4-Methyl-2-pentanone
Concen: 1.469 ug/L
RT: 7.73 min Scan# 1986
Delta R.T. -0.07 min
Lab File: VU041110.D
Acq: 05 Nov 2020 17:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 5151
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.6#
100 0.0 10.5 15.7#

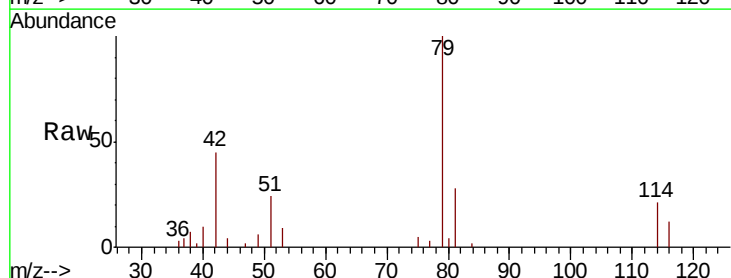


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0

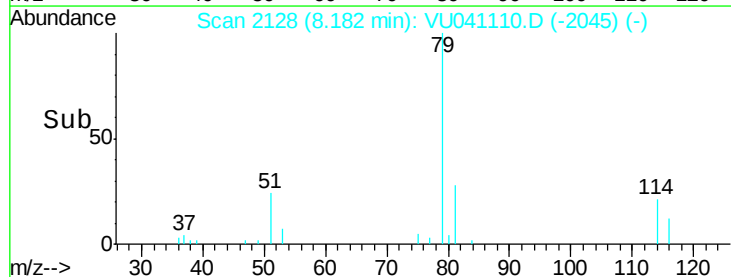
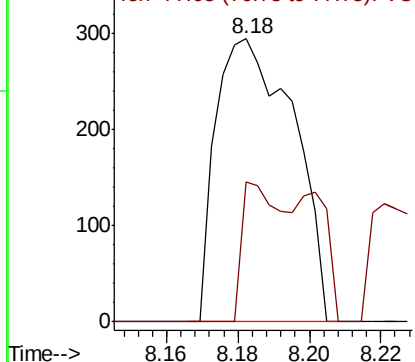


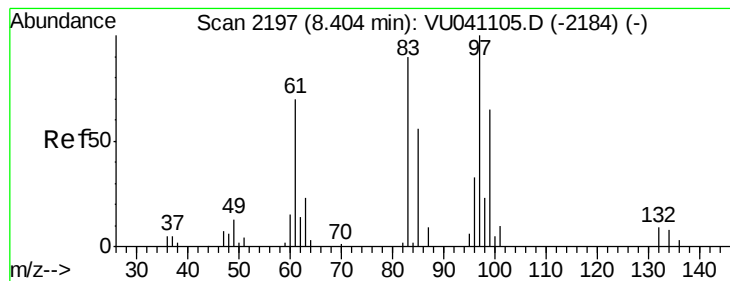
#44
trans-1,3-Dichloropropene
Concen: 0.078 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041110.D
Acq: 05 Nov 2020 17:25

Tgt Ion: 75 Resp: 442
Ion Ratio Lower Upper
75 100
77 49.7 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 0.210 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041110.D

Acq: 05 Nov 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 686

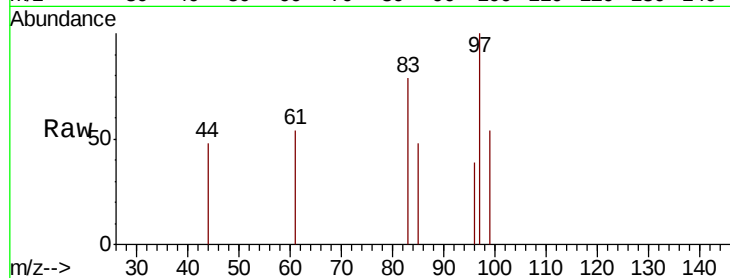
Ion Ratio Lower Upper

97 100

99 53.7 45.8 85.2

83 79.1 67.9 126.1

85 48.4 42.8 79.6

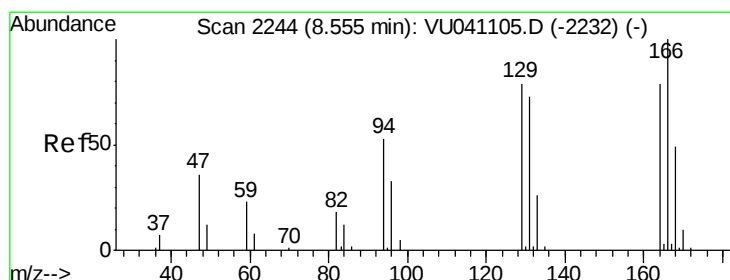
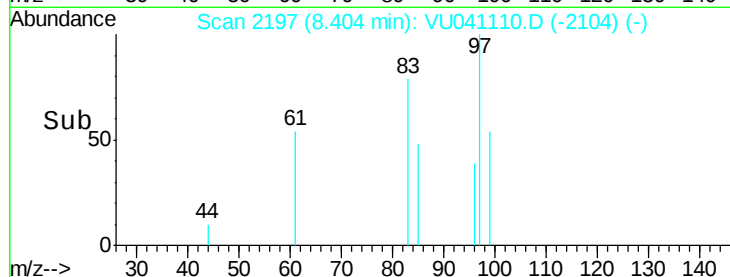
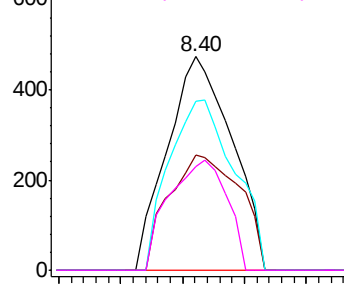


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 114.130 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041110.D

Acq: 05 Nov 2020 17:25

Tgt Ion: 164 Resp: 347038

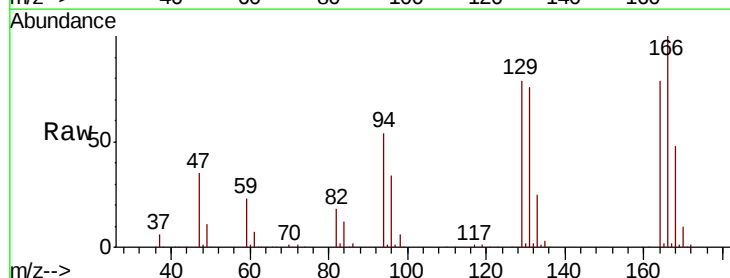
Ion Ratio Lower Upper

164 100

129 100.9 70.3 130.7

131 97.1 70.8 131.4

166 126.9 92.0 170.8

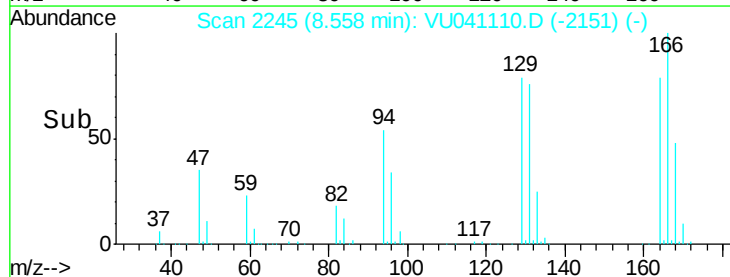
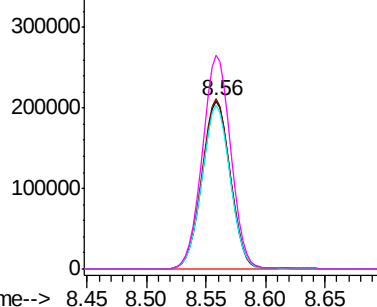


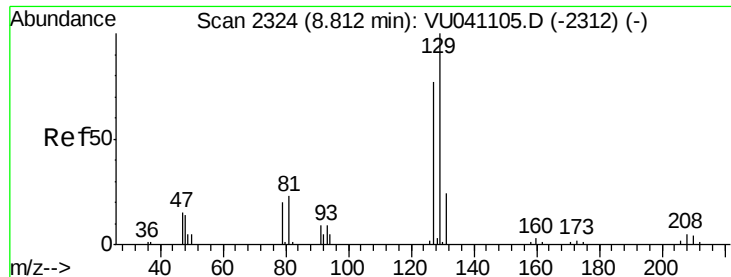
Abundance Ion 163.90 (163.60 to 164.60): V

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

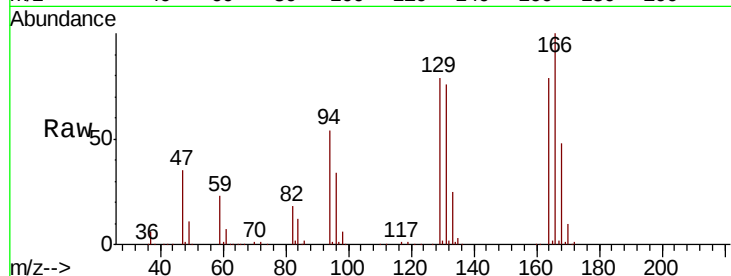




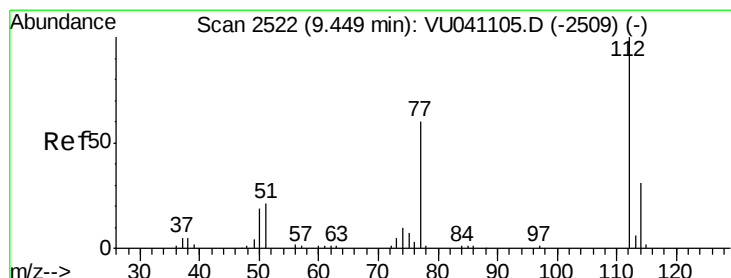
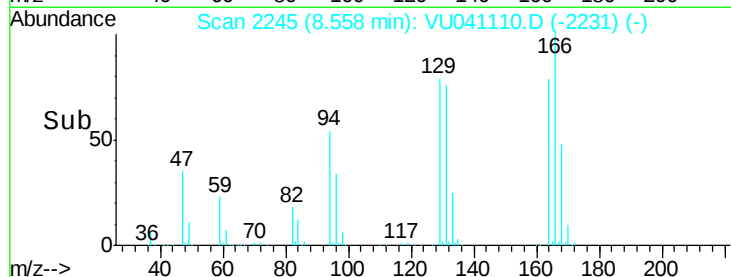
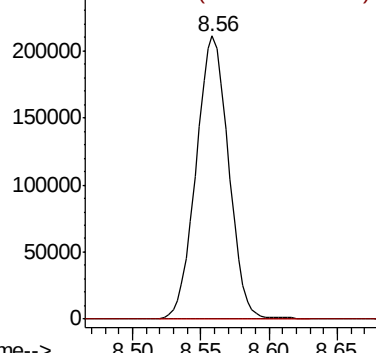
#49
Dibromochloromethane
Concen: 91.100 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041110.D
Acq: 05 Nov 2020 17:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 346275
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#

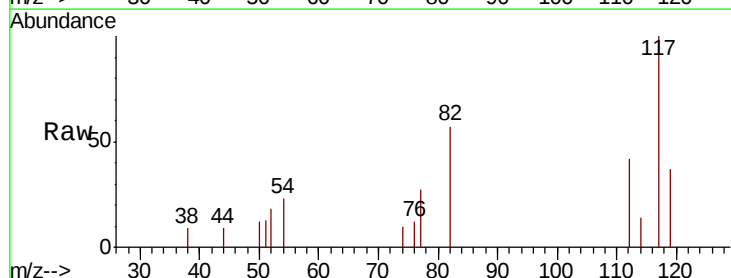


Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

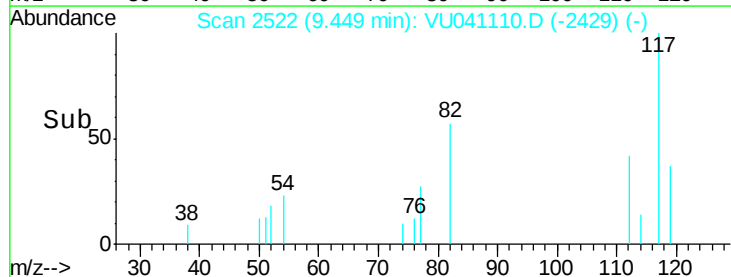
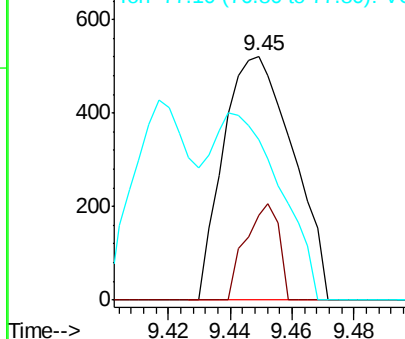


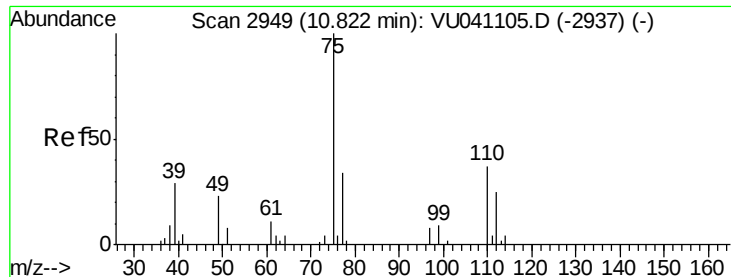
#51
Chlorobenzene
Concen: 0.078 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041110.D
Acq: 05 Nov 2020 17:25

Tgt Ion:112 Resp: 816
Ion Ratio Lower Upper
112 100
114 34.7 22.4 41.6
77 66.0 51.2 76.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#59

1,2,3-Trichloropropane

Concen: 0.945 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041110.D

Acq: 05 Nov 2020 17:25

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 3098

Ion Ratio Lower Upper

75 100

77 36.8 25.7 38.5

