

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041177.D
 Acq On : 10 Nov 2020 14:46
 Operator : SY/MD
 Sample : L4673-14MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3MS

Quant Time: Nov 11 00:52:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 11 00:43:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	52725	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	53793	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24553	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15172	3.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.40%
7) Chloroethane-d5	1.92	69	14349	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.58	63	36158	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.20%
20) 2-Butanone-d5	4.66	46	84898	58.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.40%
24) Chloroform-d	5.08	84	40230	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.72	65	26449	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.74	84	69113	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.70	67	24479	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.91	98	55319	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	8.19	79	10347	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	8.64	63	68185	62.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.74%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	24013	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	24709	5.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2461	0.497	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	217	0.055	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	20437	5.487	ug/L	88
13) Acetone	2.67	43	976	0.979	ug/L	79
15) Methyl Acetate	3.06	43	274	0.120	ug/L #	53
18) trans-1,2-Dichloroethene	3.37	96	903	0.239	ug/L	87
22) cis-1,2-Dichloroethene	4.69	96	25787	6.605	ug/L	98
25) Chloroform	5.10	83	560	0.074	ug/L	99
27) 1,2-Dichloroethane	5.79	62	999	0.177	ug/L #	74
33) Benzene	5.79	78	87932	5.471	ug/L	100
34) Trichloroethene	6.56	95	29081	7.109	ug/L	98
35) Methylcyclohexane	6.70	83	6102	1.000	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2988	0.687	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	650	0.109	ug/L	84
42) Toluene	7.98	91	88444	5.426	ug/L	98
44) trans-1,3-Dichloropropene	8.18	75	459	0.082	ug/L #	71
45) 1,1,2-Trichloroethane	8.49	97	404	0.125	ug/L #	1

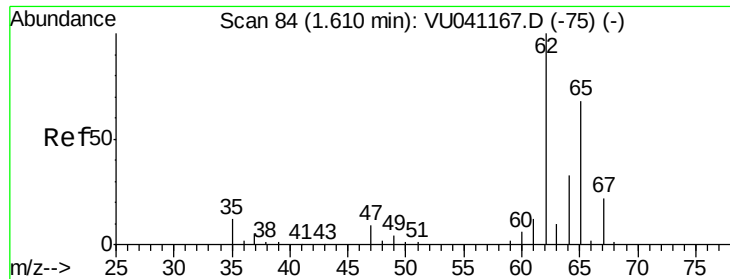
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
Data File : VU041177.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 11 00:43:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.64	43	8956	3.430	ug/L #	70
51) Chlorobenzene	9.45	112	59995	5.805	ug/L	98
59) 1,2,3-Trichloropropane	11.81	75	3441	1.062	ug/L	91

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



#5

Vinyl chloride

Concen: 0.497 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041177.D

Acq: 10 Nov 2020 14:46

Instrument :

MSVOA_U

ClientSampled :

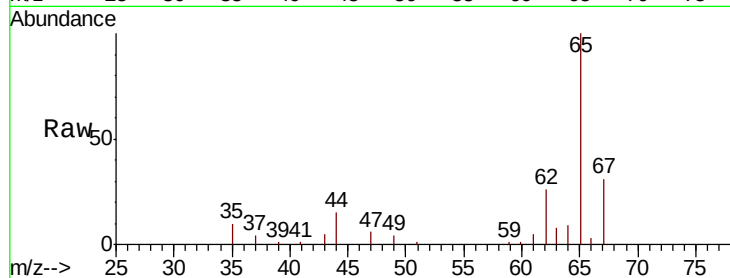
GB0T3MS

Tot Ion: 62 Resp: 2461

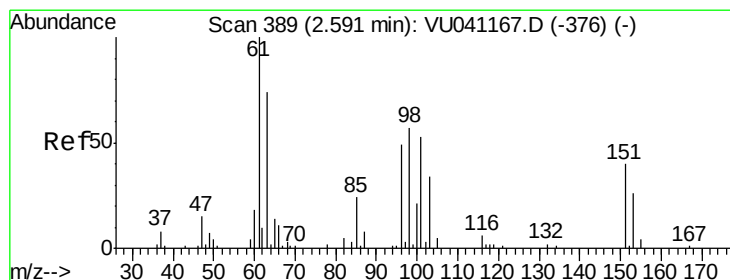
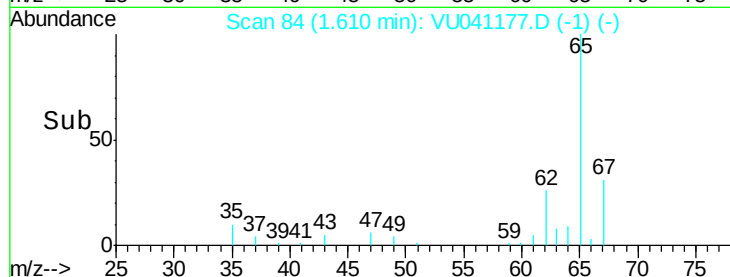
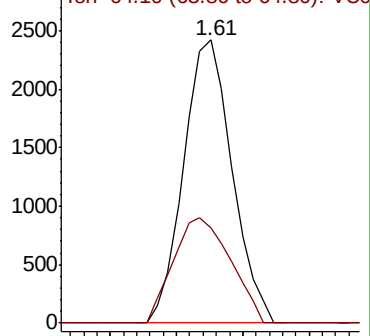
Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU041177.D (-1) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.055 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041177.D

Acq: 10 Nov 2020 14:46

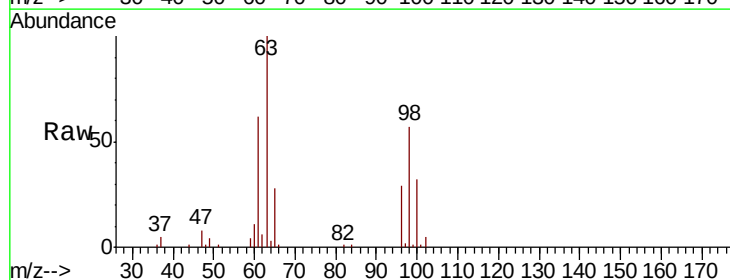
Tgt Ion: 101 Resp: 217

Ion Ratio Lower Upper

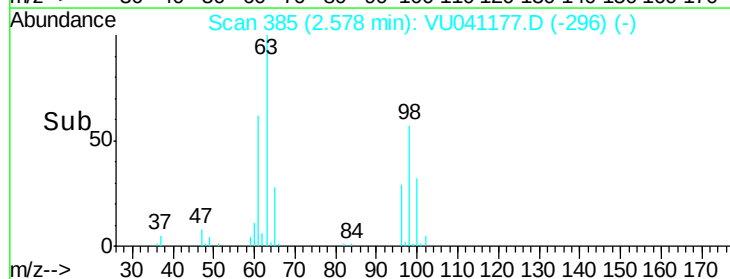
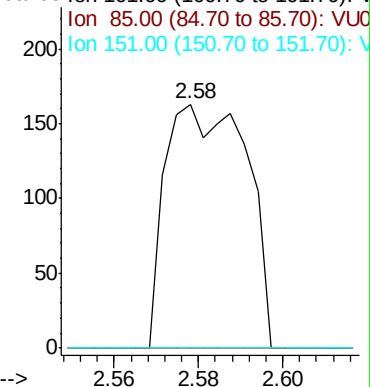
101 100

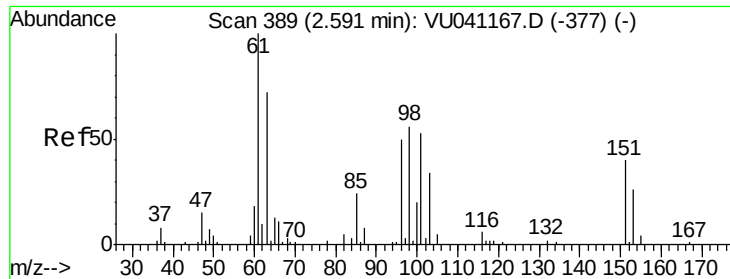
85 0.0 35.0 52.4#

151 0.0 55.3 82.9#



Abundance Ion 101.00 (100.70 to 101.70): VU041177.D (-296) (-)

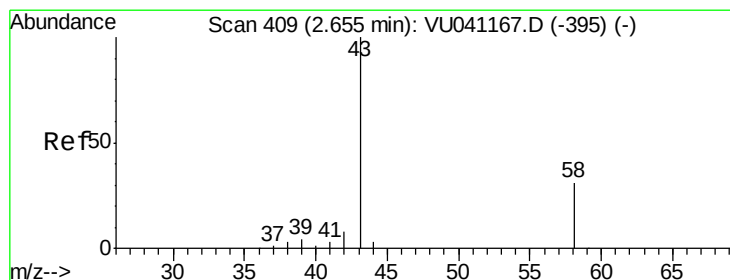
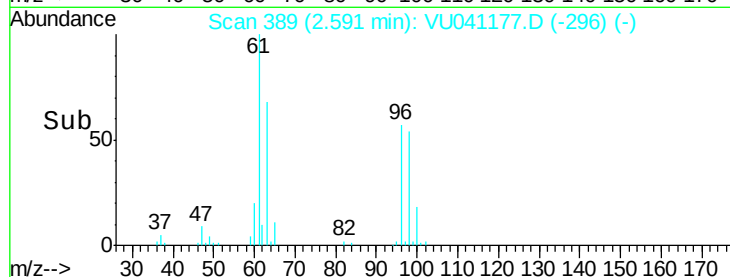
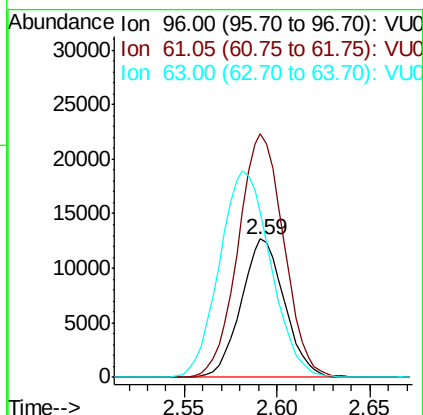
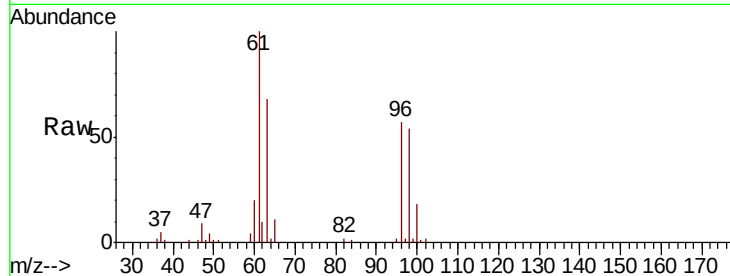




#12
 1,1-Dichloroethene
 Concen: 5.487 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VU041177.D
 Acq: 10 Nov 2020 14:46

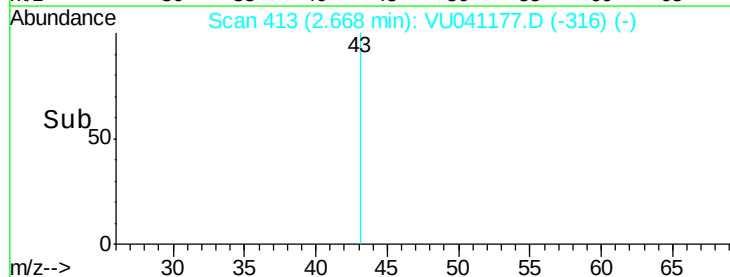
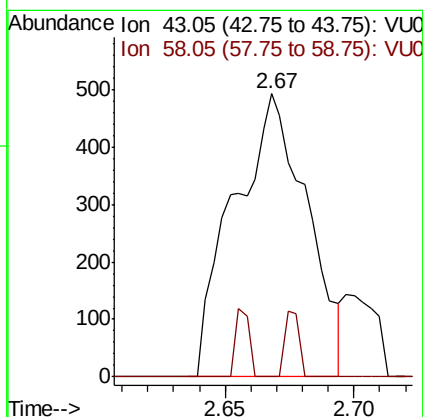
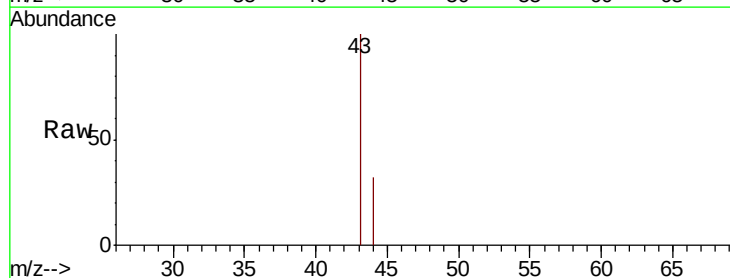
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3MS

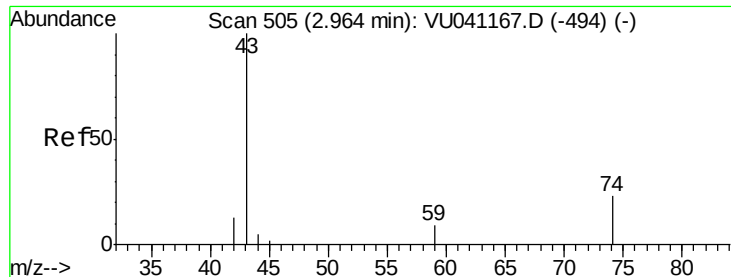
Tot Ion: 96 Resp: 20437
 Ion Ratio Lower Upper
 96 100
 61 176.2 134.3 249.5
 63 119.8 95.0 176.4



#13
 Acetone
 Concen: 0.979 ug/L
 RT: 2.67 min Scan# 413
 Delta R.T. 0.01 min
 Lab File: VU041177.D
 Acq: 10 Nov 2020 14:46

Tgt Ion: 43 Resp: 976
 Ion Ratio Lower Upper
 43 100
 58 4.4 0.0 25.4





#15

Methyl Acetate

Concen: 0.120 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.10 min

Lab File: VU041177.D

Acq: 10 Nov 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

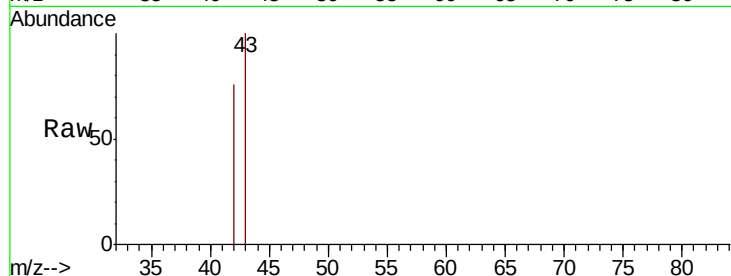
GB0T3MS

Tot Ion: 43 Resp: 274

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

3.06

150

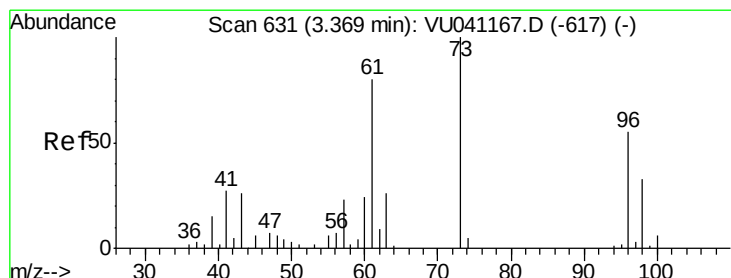
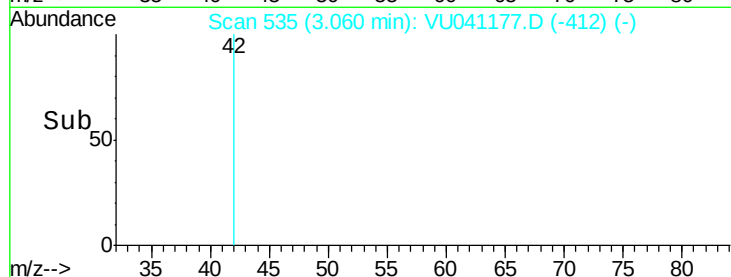
100

50

0

Time-->

3.02 3.04 3.06 3.08



#18

trans-1,2-Dichloroethene

Concen: 0.239 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041177.D

Acq: 10 Nov 2020 14:46

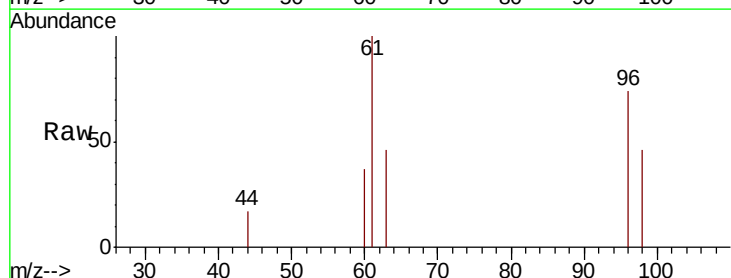
Tgt Ion: 96 Resp: 903

Ion Ratio Lower Upper

96 100

61 135.3 110.9 205.9

98 62.6 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

1000

800

600

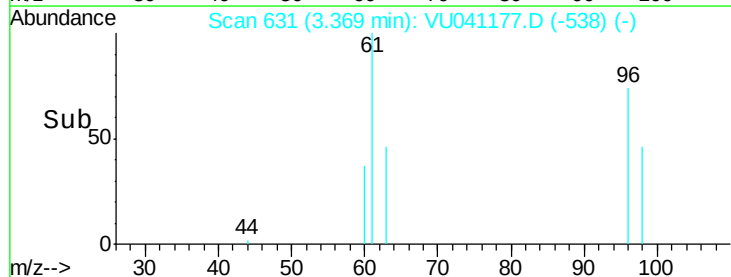
400

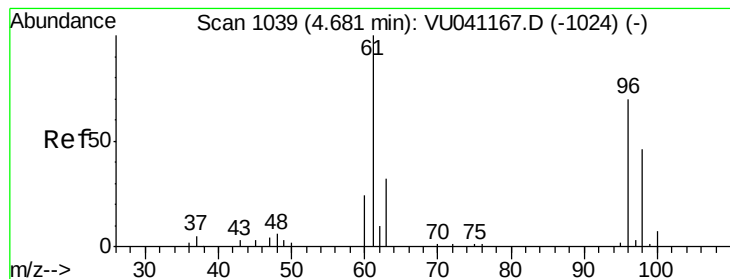
200

0

Time-->

3.32 3.34 3.36 3.38 3.40





#22

cis-1,2-Dichloroethene

Concen: 6.605 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041177.D

Acq: 10 Nov 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

GB0T3MS

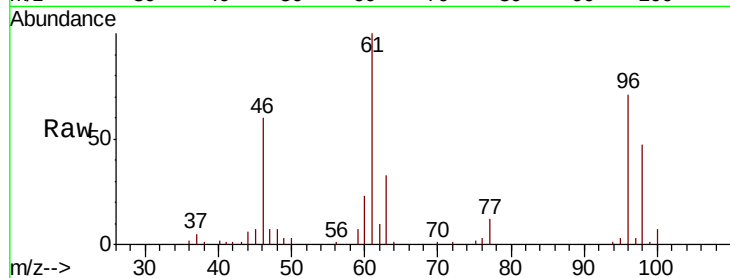
Tot Ion: 96 Resp: 25787

Ion Ratio Lower Upper

96 100

61 140.6 97.2 180.4

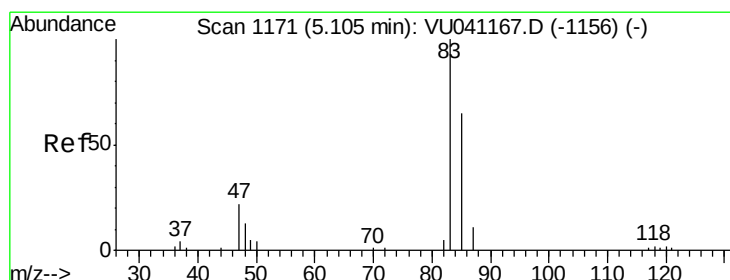
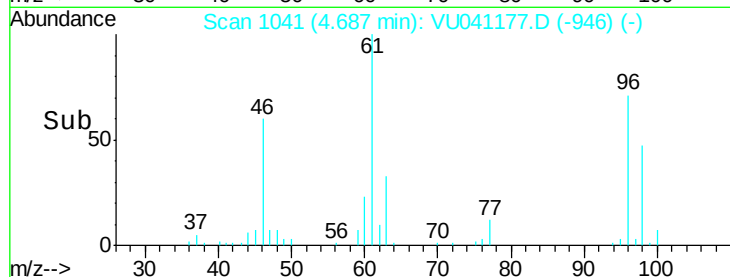
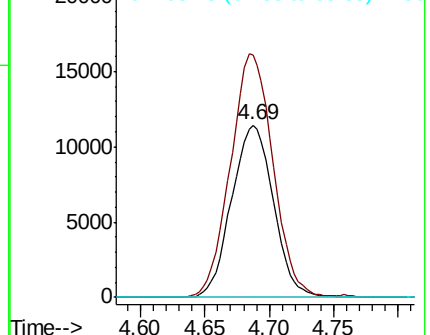
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041177.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU041177.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU041177.D (-946) (-)



#25

Chloroform

Concen: 0.074 ug/L

RT: 5.10 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VU041177.D

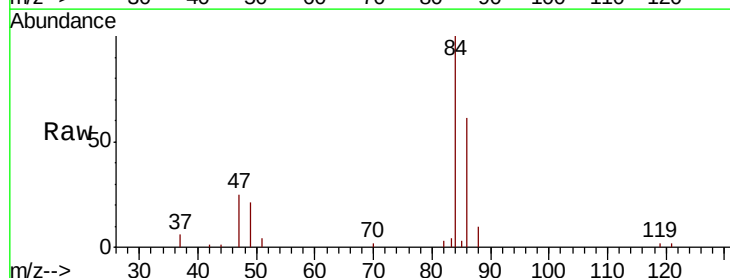
Acq: 10 Nov 2020 14:46

Tgt Ion: 83 Resp: 560

Ion Ratio Lower Upper

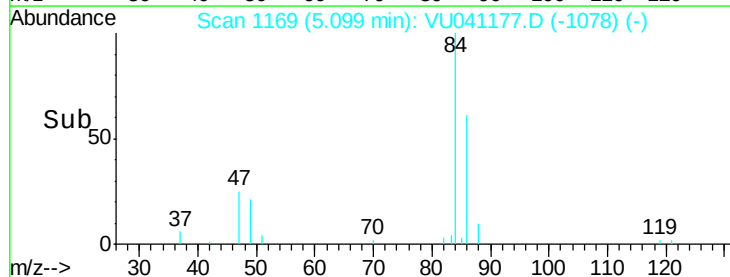
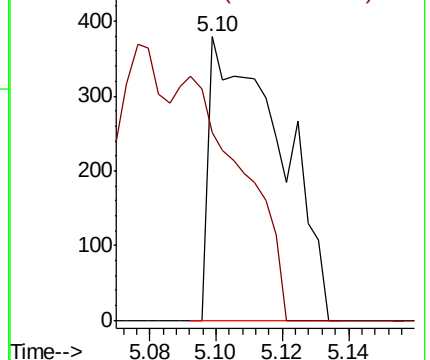
83 100

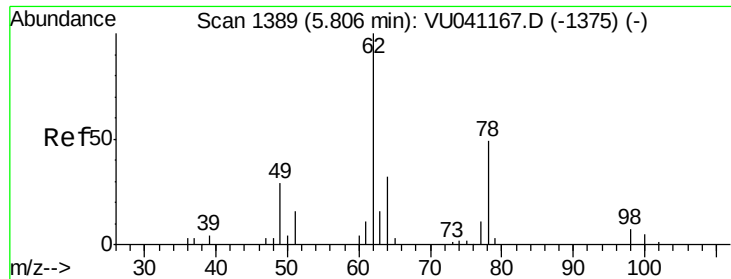
85 66.5 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041177.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU041177.D (-1078) (-)

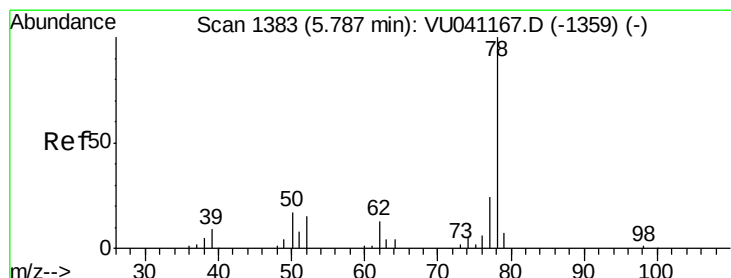
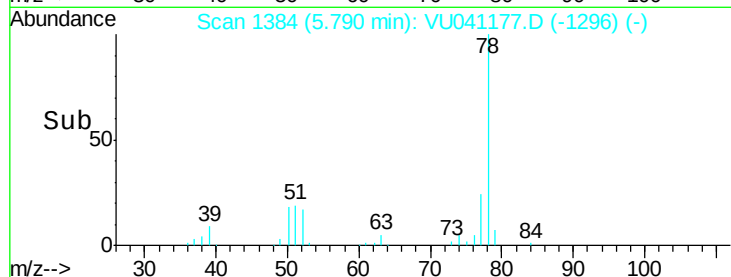
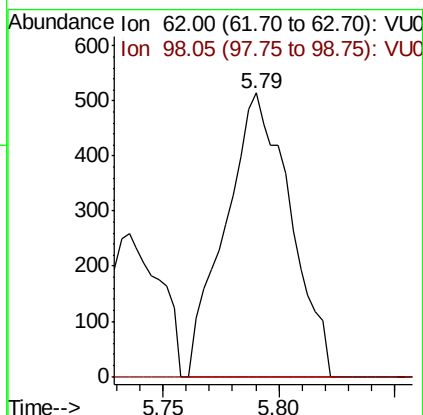
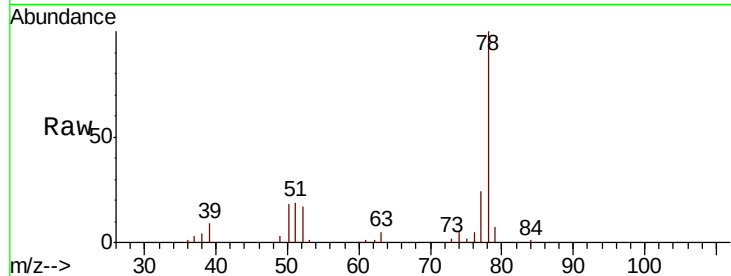




#27
 1,2-Dichloroethane
 Concen: 0.177 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: VU041177.D
 Acq: 10 Nov 2020 14:46

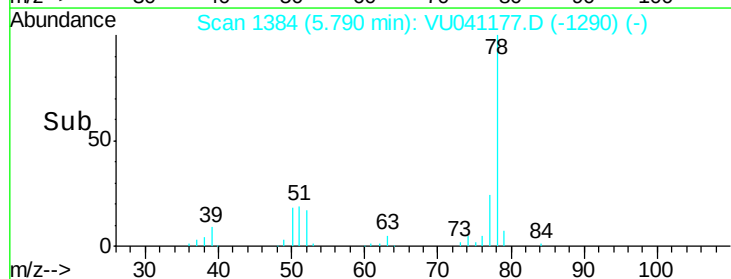
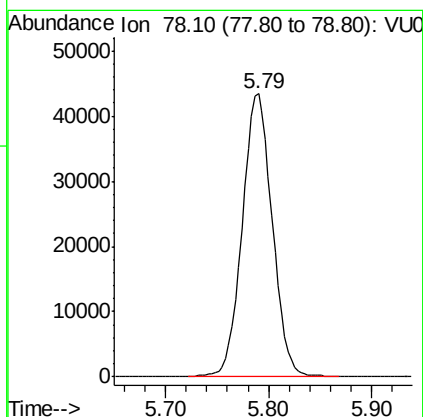
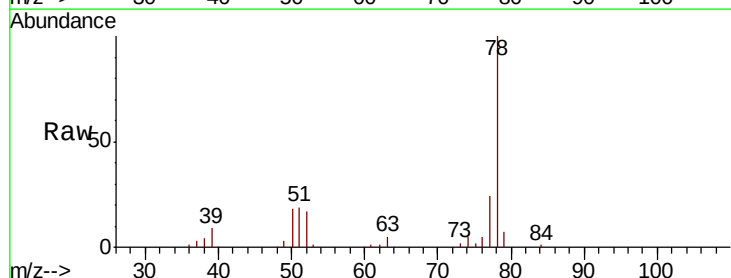
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3MS

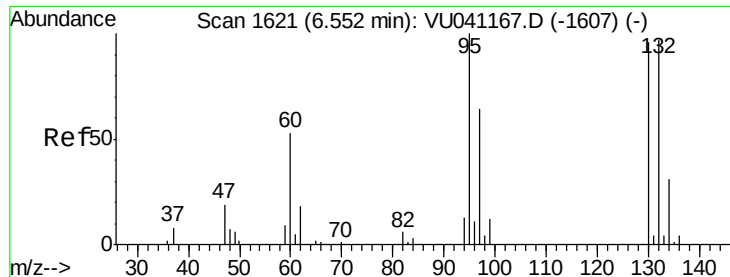
Tot Ion: 62 Resp: 999
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 5.471 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU041177.D
 Acq: 10 Nov 2020 14:46

Tgt Ion: 78 Resp: 87932





#34

Trichloroethene

Concen: 7.109 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041177.D

Acq: 10 Nov 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

GB0T3MS

Tot Ion: 95 Resp: 29081

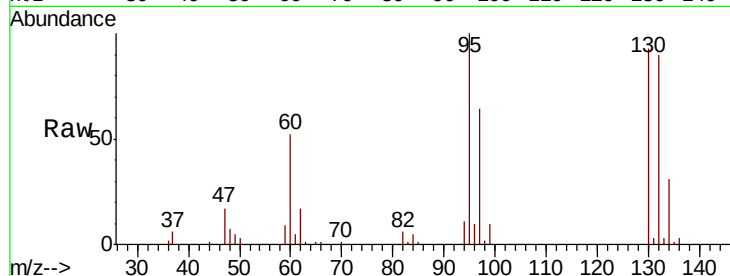
Ion Ratio Lower Upper

95 100

97 64.2 45.6 84.6

132 89.7 64.8 120.4

130 93.2 64.8 120.4

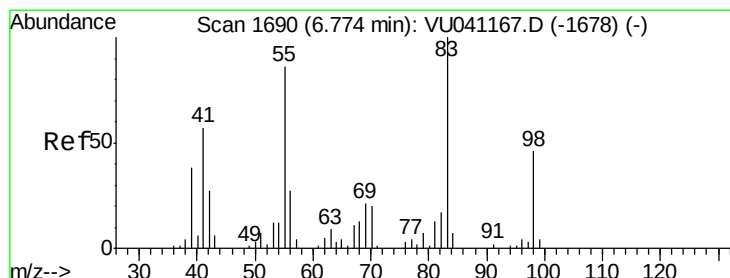
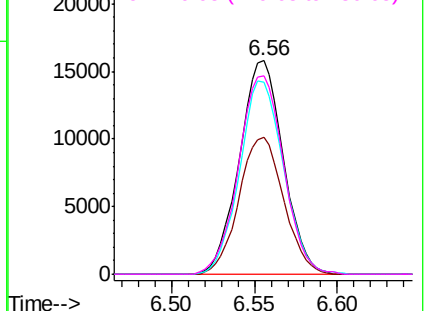
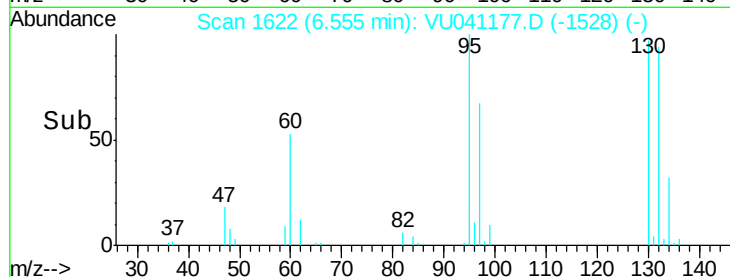


Abundance Ion 95.00 (94.70 to 95.70): VU041177.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU041177.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU041177.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU041177.D (-1528) (-)



#35

Methylcyclohexane

Concen: 1.000 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041177.D

Acq: 10 Nov 2020 14:46

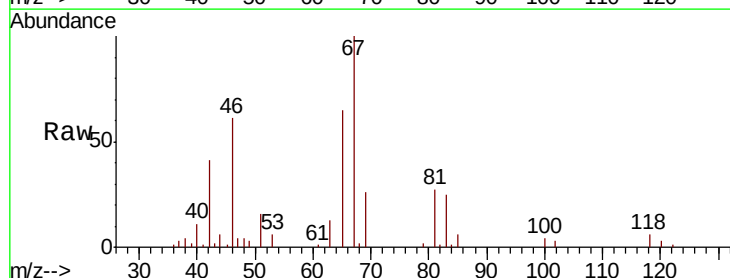
Tgt Ion: 83 Resp: 6102

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

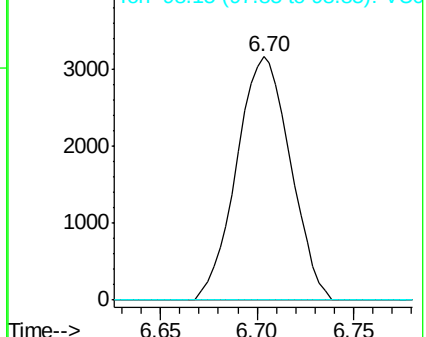
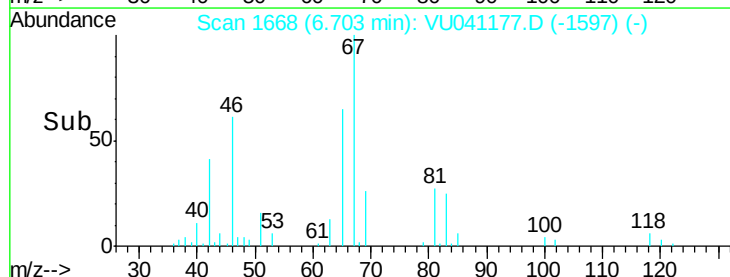
98 0.0 36.6 55.0#

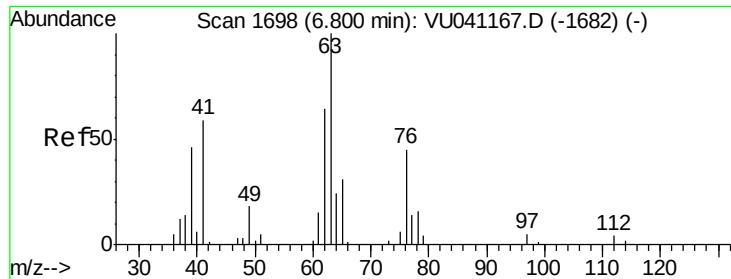


Abundance Ion 83.15 (82.85 to 83.85): VU041177.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU041177.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU041177.D (-1597) (-)

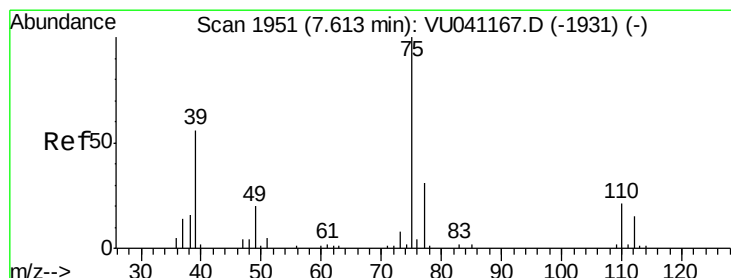
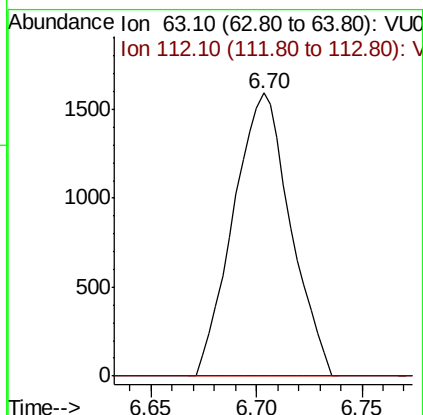
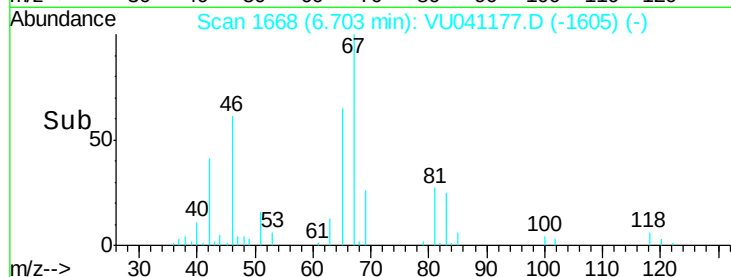
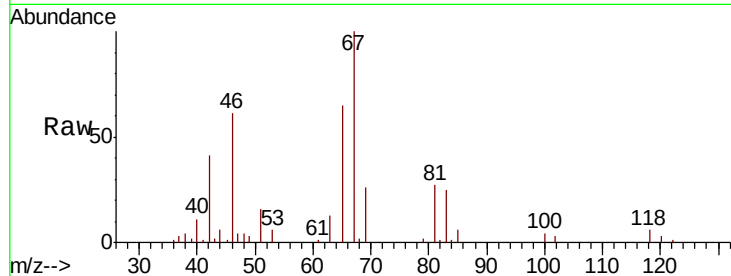




#37
 1,2-Dichloropropane
 Concen: 0.687 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041177.D
 Acq: 10 Nov 2020 14:46

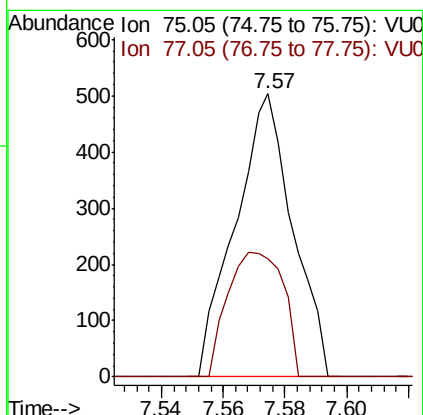
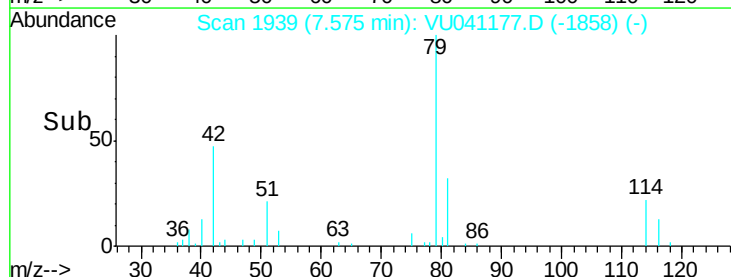
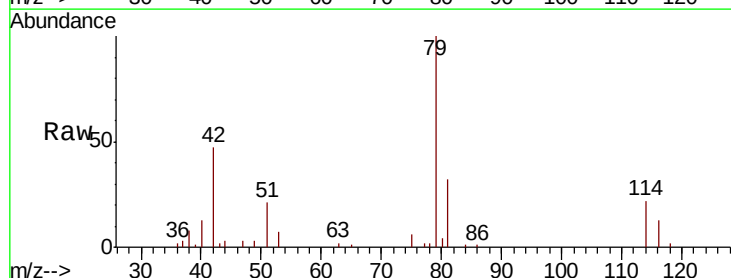
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3MS

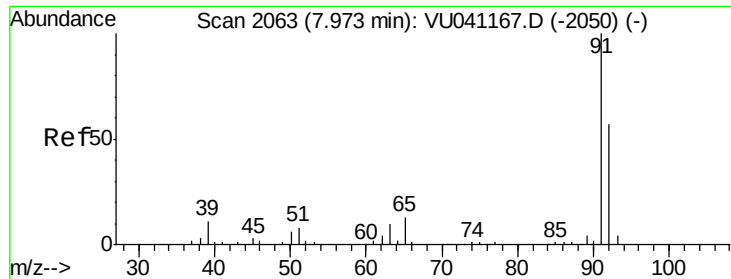
Tot Ion: 63 Resp: 2988
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041177.D
 Acq: 10 Nov 2020 14:46

Tgt Ion: 75 Resp: 650
 Ion Ratio Lower Upper
 75 100
 77 41.7 22.7 42.3





#42

Toluene

Concen: 5.426 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041177.D

Acq: 10 Nov 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

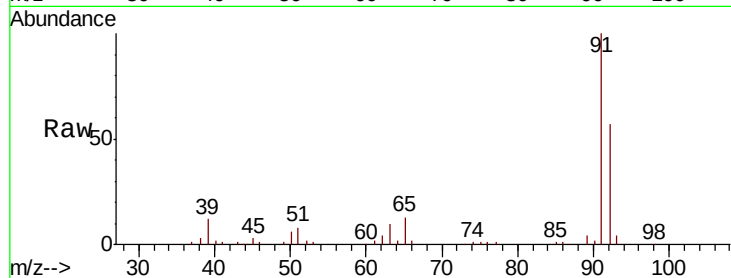
GB0T3MS

Tot Ion: 91 Resp: 88444

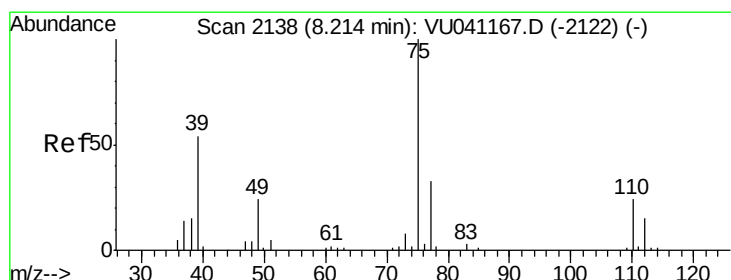
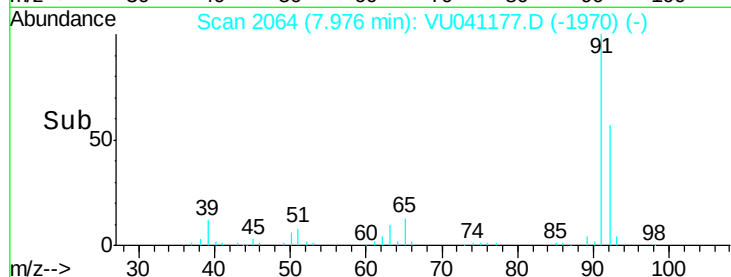
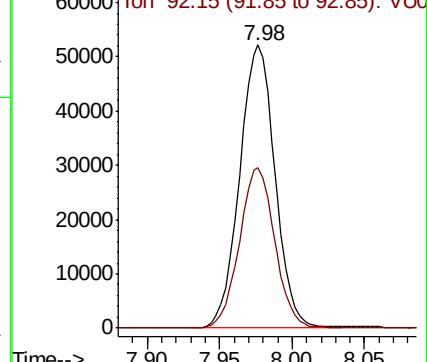
Ion Ratio Lower Upper

91 100

92 56.8 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041177.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041177.D

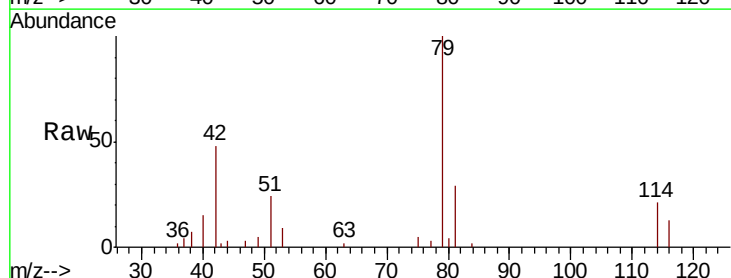
Acq: 10 Nov 2020 14:46

Tgt Ion: 75 Resp: 459

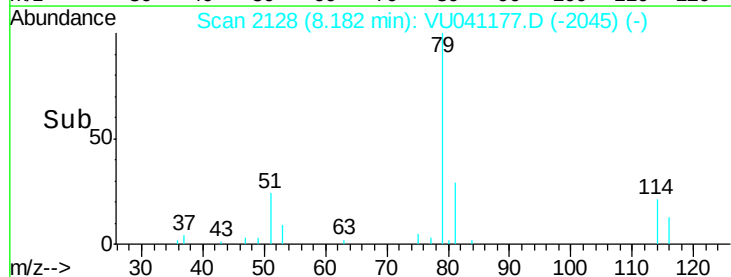
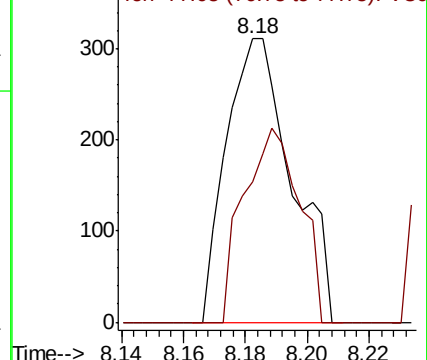
Ion Ratio Lower Upper

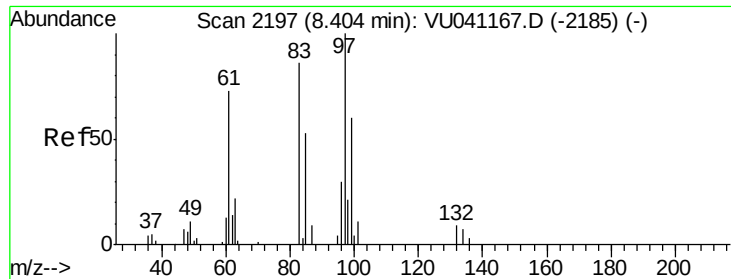
75 100

77 49.5 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041177.D (-2045) (-)

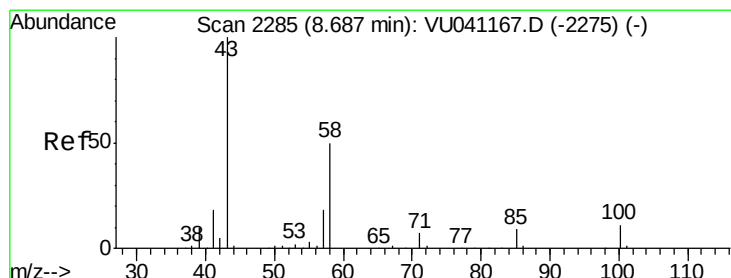
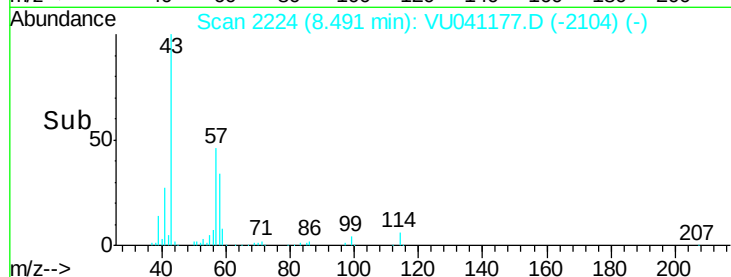
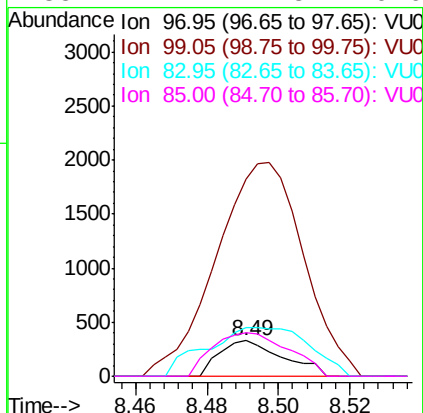
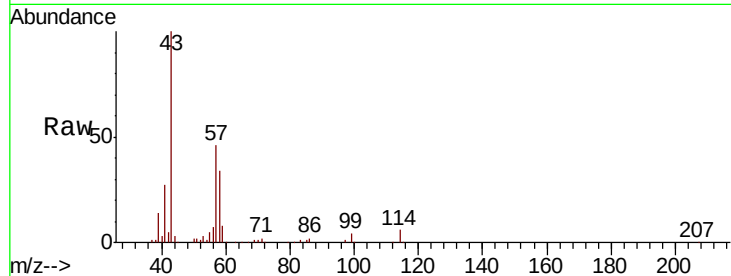




#45
 1,1,2-Trichloroethane
 Concen: 0.125 ug/L
 RT: 8.49 min Scan# 2224
 Delta R.T. 0.09 min
 Lab File: VU041177.D
 Acq: 10 Nov 2020 14:46

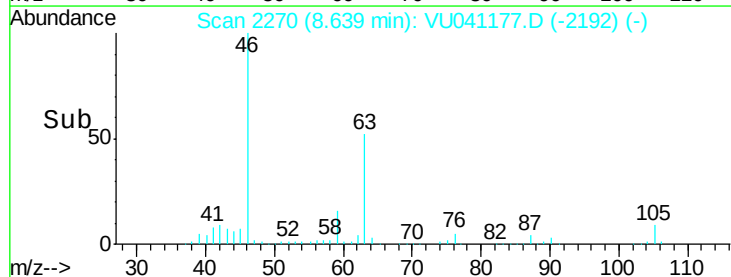
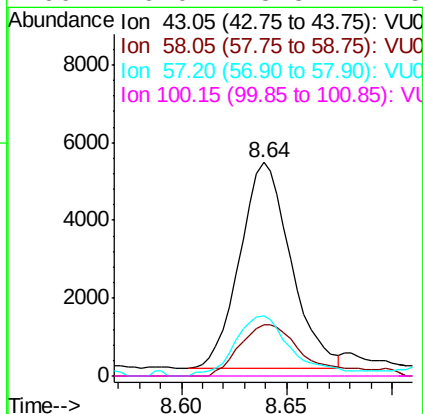
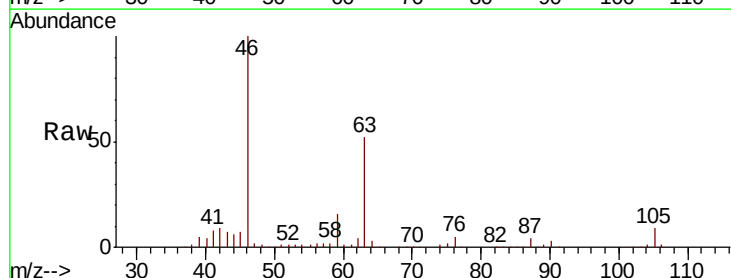
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3MS

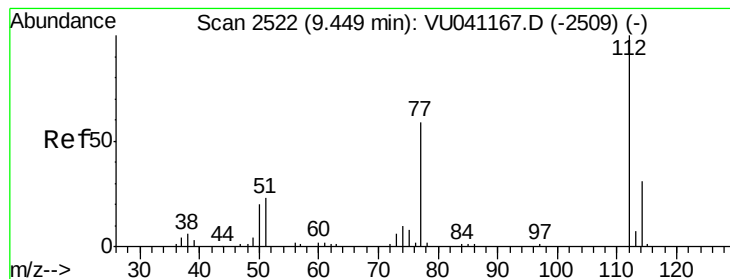
Tot Ion: 97 Resp: 404
 Ion Ratio Lower Upper
 97 100
 99 551.2 45.8 85.2#
 83 137.9 67.9 126.1#
 85 122.4 42.8 79.6#



#48
 2-Hexanone
 Concen: 3.430 ug/L
 RT: 8.64 min Scan# 2270
 Delta R.T. -0.05 min
 Lab File: VU041177.D
 Acq: 10 Nov 2020 14:46

Tgt Ion: 43 Resp: 8956
 Ion Ratio Lower Upper
 43 100
 58 30.7 41.4 62.2#
 57 32.2 14.6 21.8#
 100 0.0 8.3 12.5#





#51

Chlorobenzene

Concen: 5.805 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041177.D

Acq: 10 Nov 2020 14:46

Instrument :

MSVOA_U

ClientSampleId :

GB0T3MS

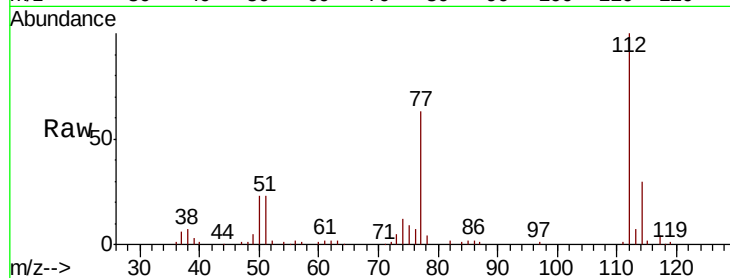
Tot Ion:112 Resp: 59995

Ion Ratio Lower Upper

112 100

114 30.3 22.4 41.6

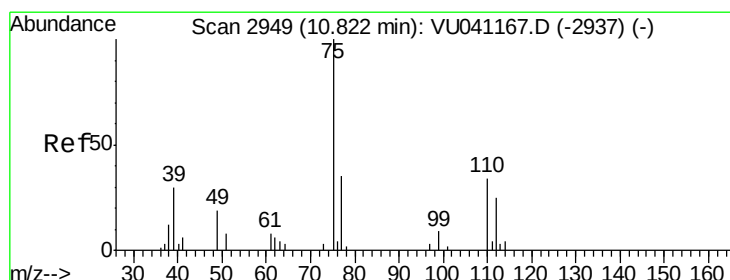
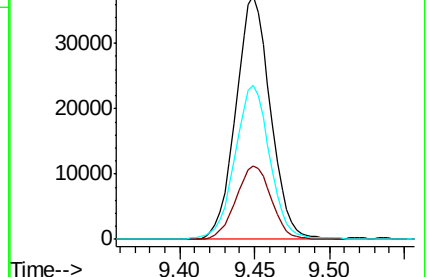
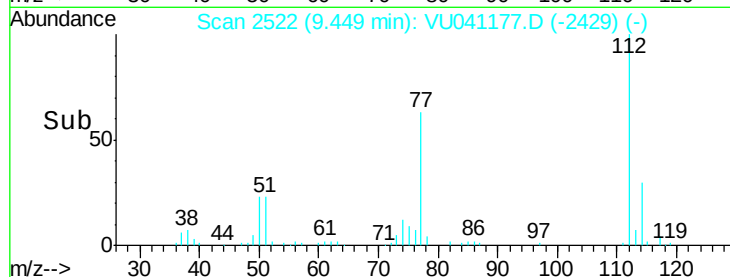
77 63.0 51.2 76.8



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: 1.062 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041177.D

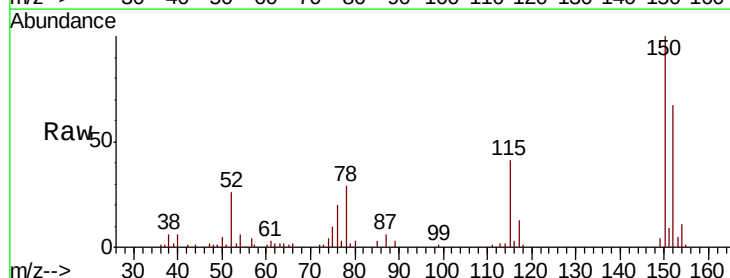
Acq: 10 Nov 2020 14:46

Tgt Ion: 75 Resp: 3441

Ion Ratio Lower Upper

75 100

77 37.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

