

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101320\
 Data File : VU040681.D
 Acq On : 13 Oct 2020 14:40
 Operator : SY/MD
 Sample : L4346-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ6

Quant Time: Oct 14 06:05:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 14 05:57:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	685	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	749	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	851	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	0.00	65	0	0.00	ug/L	
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.00%#
7) Chloroethane-d5	0.00	69	0	0.00	ug/L	
Spiked Amount	5.000	Range	65 - 130	Recovery	=	0.00%#
11) 1,1-Dichloroethene-d2	2.58	63	20	0.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	3.60%#
20) 2-Butanone-d5	4.67	46	127	6.99	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	13.98%#
24) Chloroform-d	0.00	84	0	0.00	ug/L	
Spiked Amount	5.000	Range	70 - 125	Recovery	=	0.00%#
26) 1,2-Dichloroethane-d4	5.72	65	701	11.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	231.00%#
32) Benzene-d6	5.75	84	44	0.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	4.40%#
36) 1,2-Dichloropropane-d6	6.56	67	659	9.83	ug/L	-0.15
Spiked Amount	5.000	Range	60 - 140	Recovery	=	196.60%#
41) Toluene-d8	7.90	98	651	3.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.00%
43) trans-1,3-Dichloropropene-	0.00	79	0	0.00	ug/L	
Spiked Amount	5.000	Range	55 - 130	Recovery	=	0.00%#
46) 2-Hexanone-d5	8.65	63	441	30.12	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	60.24%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	482	8.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	160.20%#
64) 1,2-Dichlorobenzene-d4	12.19	152	904	5.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.60%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	273	4.704 ug/L #	49
6) Bromomethane	1.87	94	41	1.235 ug/L #	5
8) Chloroethane	1.95	64	278	7.143 ug/L #	41
13) Acetone	2.67	43	30262	2149.416 ug/L	62
14) Carbon disulfide	2.81	76	68	0.497 ug/L #	76
15) Methyl Acetate	2.95	43	262	8.149 ug/L #	56
21) 2-Butanone	4.74	43	88	4.009 ug/L #	53
25) Chloroform	5.11	83	2770	25.641 ug/L	83
34) Trichloroethene	6.56	95	109280	1751.988 ug/L	97
35) Methylcyclohexane	6.58	83	55	0.622 ug/L #	14
37) 1,2-Dichloropropane	6.55	63	399	5.951 ug/L #	87
38) Bromodichloromethane	7.12	83	256	2.987 ug/L #	24
47) Tetrachloroethene	8.56	164	13012	292.397 ug/L	94
48) 2-Hexanone	8.70	43	817	20.529 ug/L #	54
49) Dibromochloromethane	8.56	129	13431	232.459 ug/L #	9
51) Chlorobenzene	9.45	112	229	1.418 ug/L #	77
59) 1,2,3-Trichloropropane	11.80	75	72	1.462 ug/L #	42

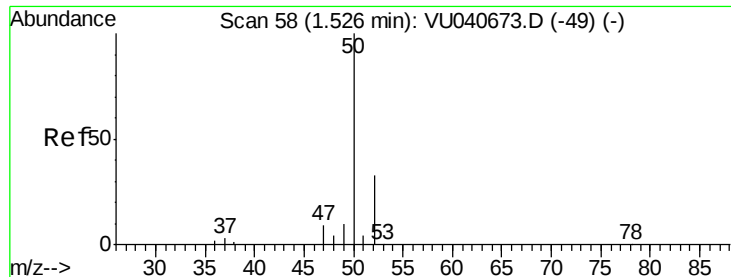
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101320\
Data File : VU040681.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 14 05:57:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3

Chloromethane

Concen: 4.704 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040681.D

Acq: 13 Oct 2020 14:40

Instrument :

MSVOA_U

ClientSampleId :

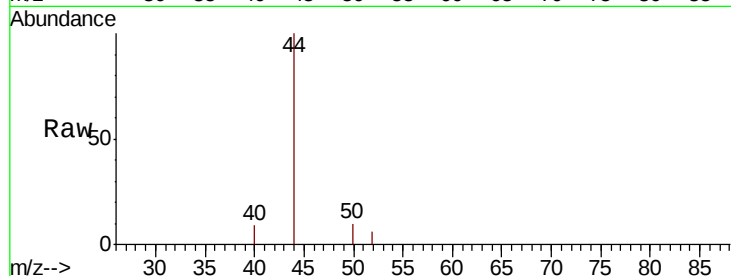
YQZ6

Tot Ion: 50 Resp: 273

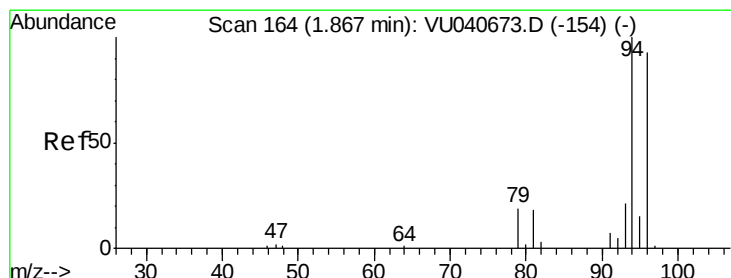
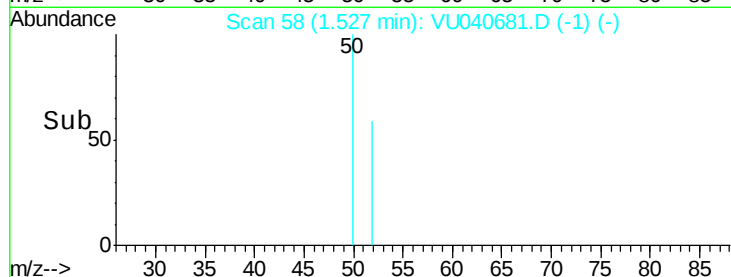
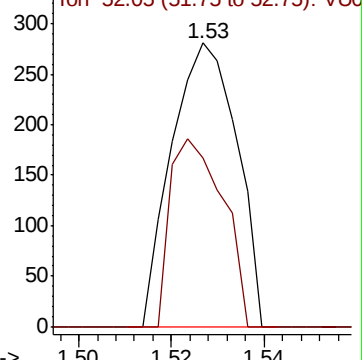
Ion Ratio Lower Upper

50 100

52 59.4 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU040681.D (-1) (-)



#6

Bromomethane

Concen: 1.235 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU040681.D

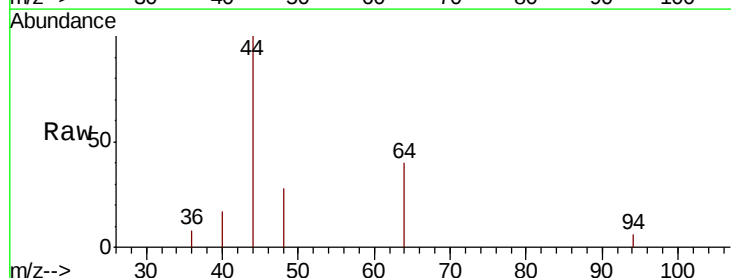
Acq: 13 Oct 2020 14:40

Tgt Ion: 94 Resp: 41

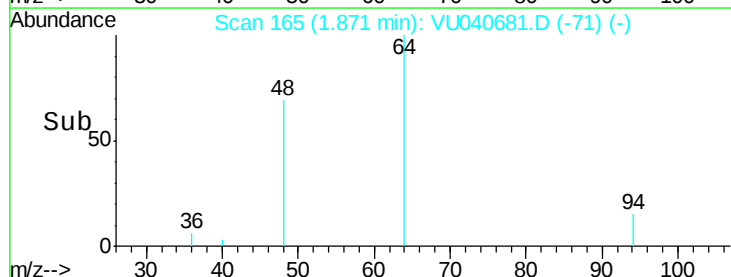
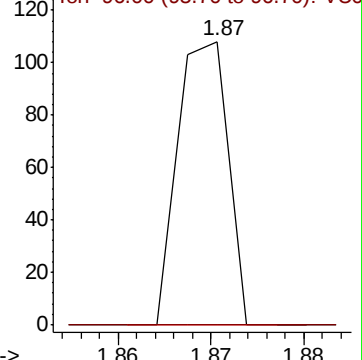
Ion Ratio Lower Upper

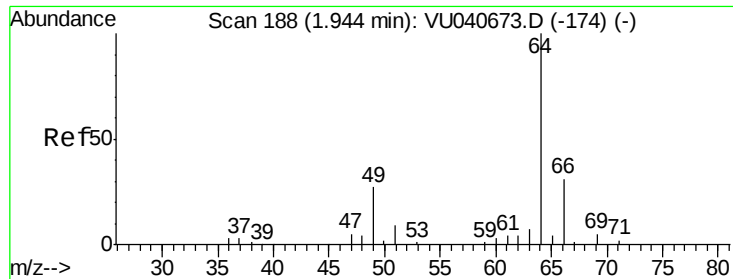
94 100

96 0.0 62.1 115.3#



Abundance Ion 94.00 (93.70 to 94.70): VU040681.D (-71) (-)

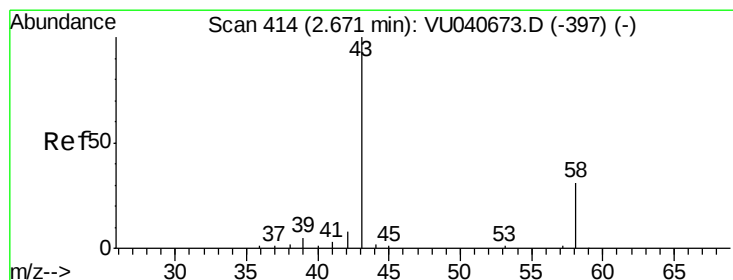
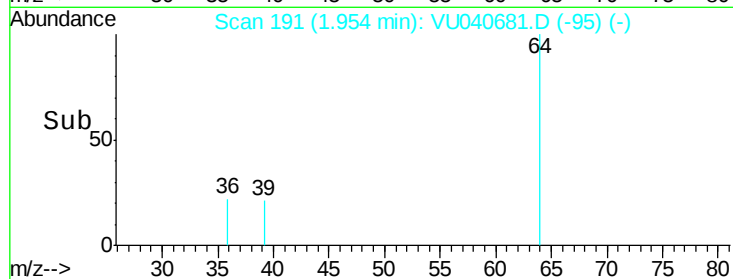
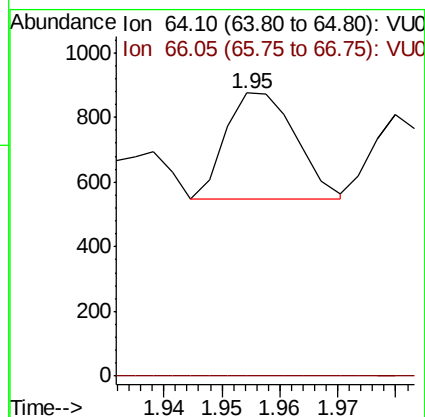
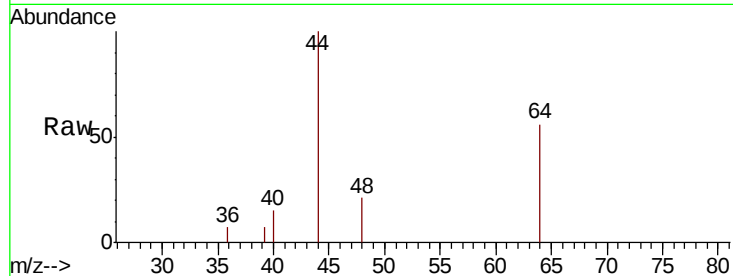




#8
 Chloroethane
 Concen: 7.143 ug/L
 RT: 1.95 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: VU040681.D
 Acq: 13 Oct 2020 14:40

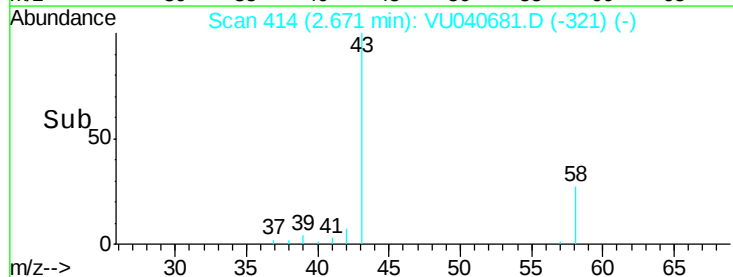
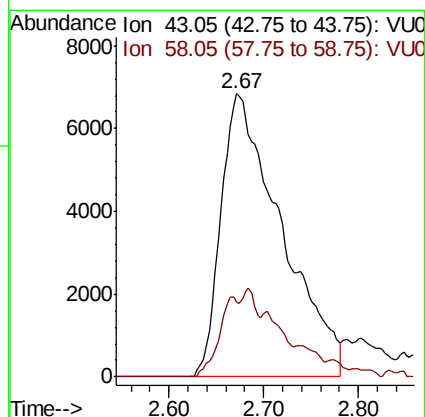
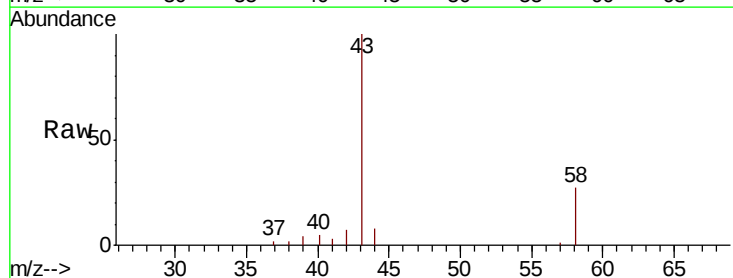
Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ6

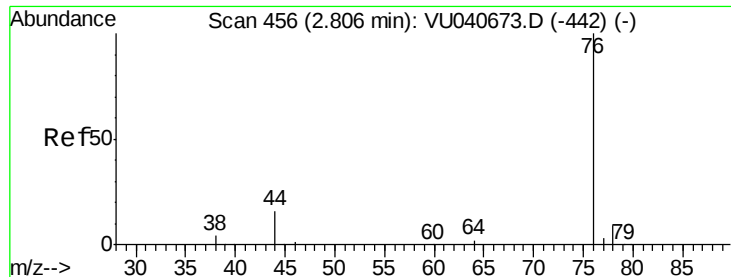
Tot Ion: 64 Resp: 278
 Ion Ratio Lower Upper
 64 100
 66 0.0 23.3 43.3#



#13
 Acetone
 Concen: 2149.416 ug/L
 RT: 2.67 min Scan# 414
 Delta R.T. 0.00 min
 Lab File: VU040681.D
 Acq: 13 Oct 2020 14:40

Tgt Ion: 43 Resp: 30262
 Ion Ratio Lower Upper
 43 100
 58 9.5 0.0 60.6





#14

Carbon disulfide

Concen: 0.497 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040681.D

Acq: 13 Oct 2020 14:40

Instrument :

MSVOA_U

ClientSampleId :

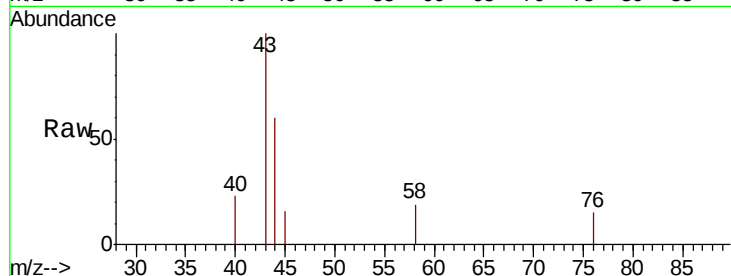
YQZ6

Tot Ion: 76 Resp: 68

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

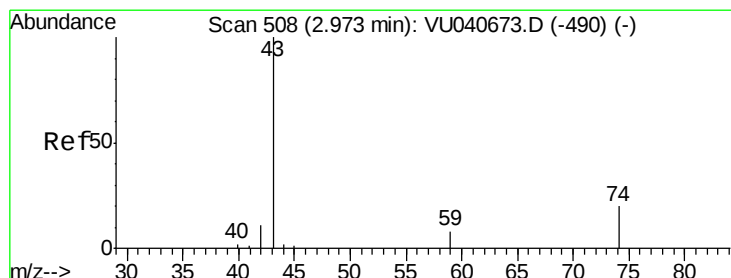
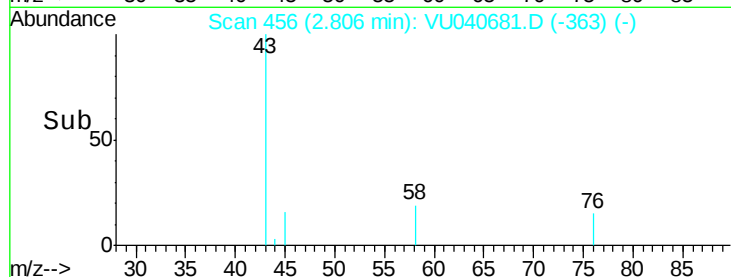
150

100

50

0

Time-->



#15

Methyl Acetate

Concen: 8.149 ug/L

RT: 2.95 min Scan# 501

Delta R.T. -0.02 min

Lab File: VU040681.D

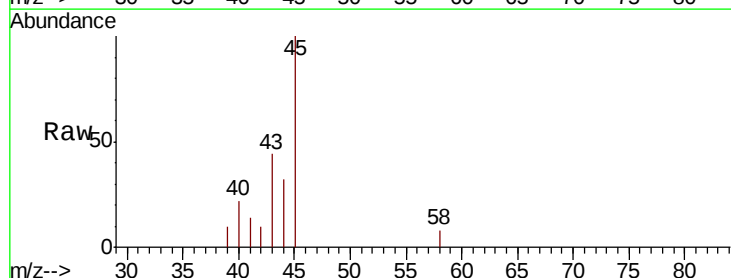
Acq: 13 Oct 2020 14:40

Tgt Ion: 43 Resp: 262

Ion Ratio Lower Upper

43 100

74 0.0 16.5 24.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

600

500

400

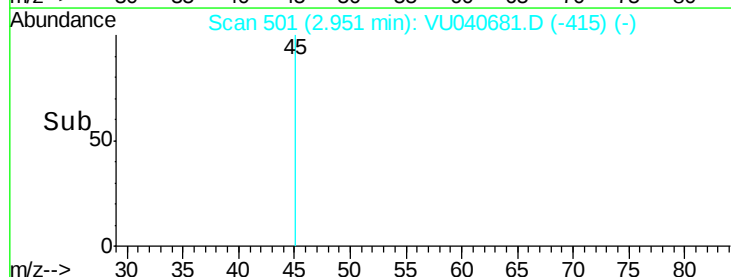
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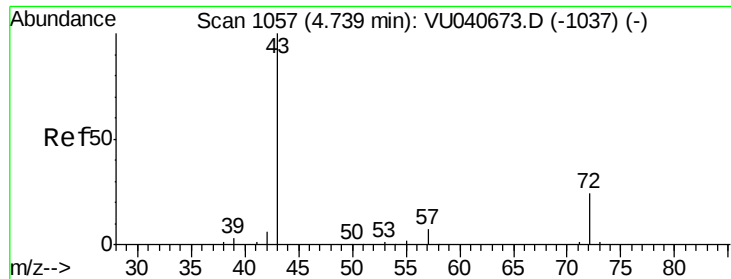
200

100

0

Time-->

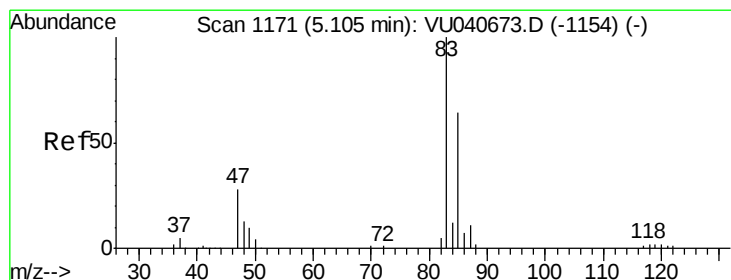
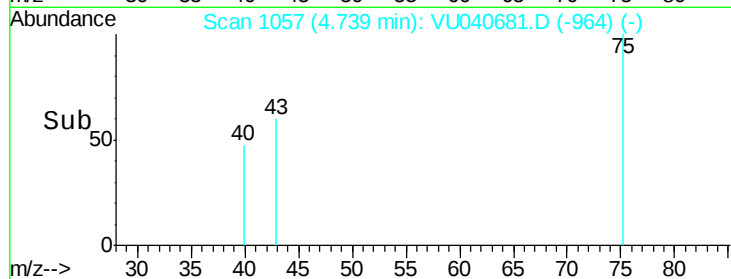
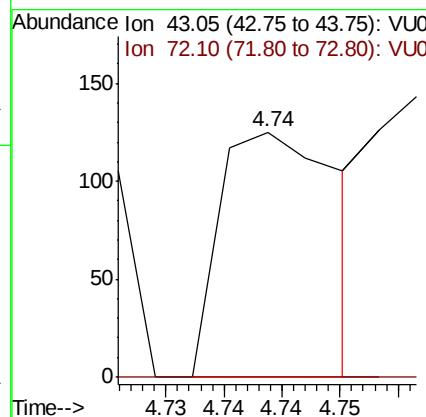
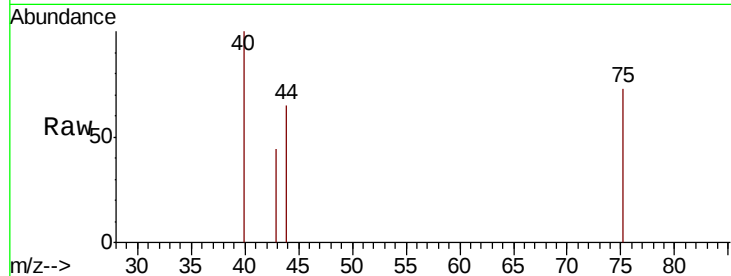




#21
 2-Butanone
 Concen: 4.009 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU040681.D
 Acq: 13 Oct 2020 14:40

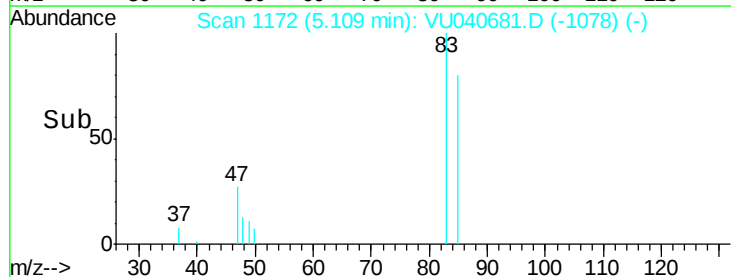
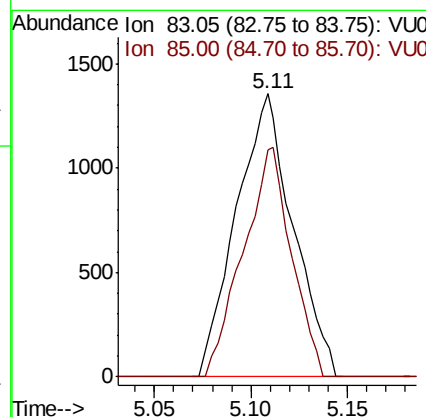
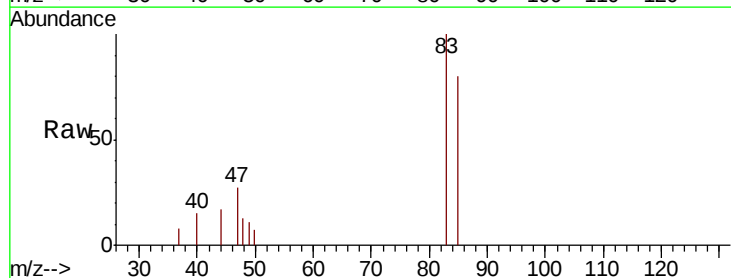
Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ6

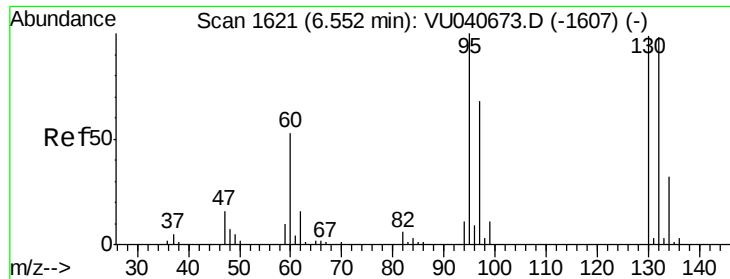
Tot Ion: 43 Resp: 88
 Ion Ratio Lower Upper
 43 100
 72 0.0 11.4 34.2#



#25
 Chloroform
 Concen: 25.641 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU040681.D
 Acq: 13 Oct 2020 14:40

Tgt Ion: 83 Resp: 2770
 Ion Ratio Lower Upper
 83 100
 85 80.0 46.5 86.5





#34

Trichloroethene

Concen: 1751.988 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040681.D

Acq: 13 Oct 2020 14:40

Instrument :

MSVOA_U

ClientSampleId :

YQZ6

Tot Ion: 95 Resp: 109280

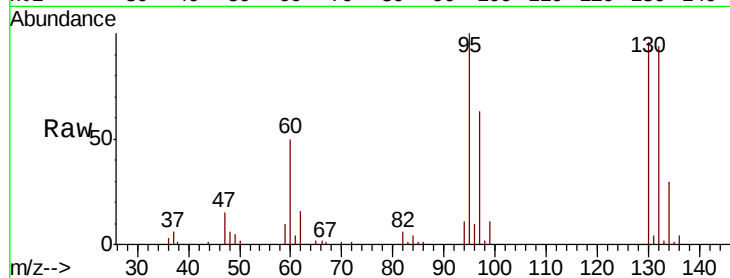
Ion Ratio Lower Upper

95 100

97 62.9 45.5 84.5

132 94.0 67.5 125.4

130 96.3 69.9 129.9

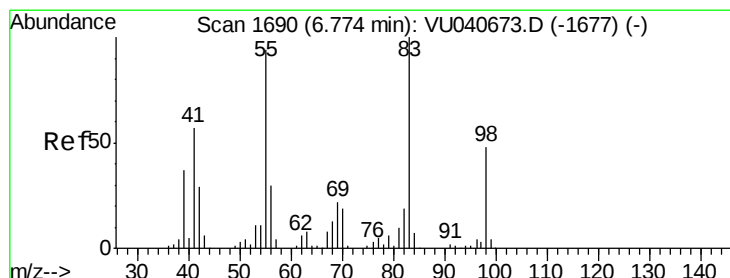
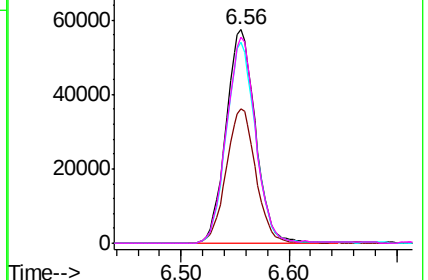
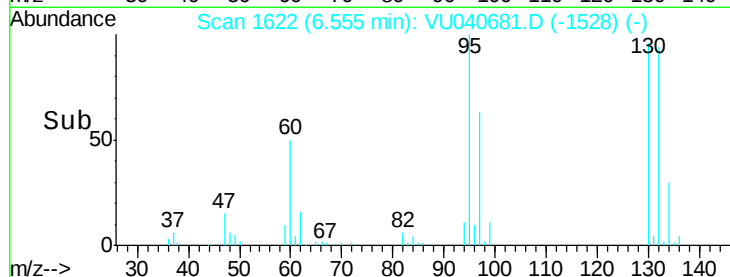


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.622 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. -0.19 min

Lab File: VU040681.D

Acq: 13 Oct 2020 14:40

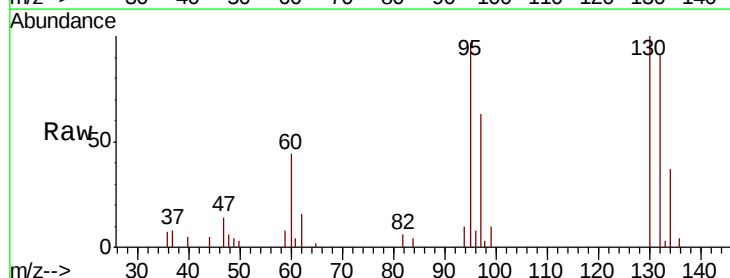
Tgt Ion: 83 Resp: 55

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

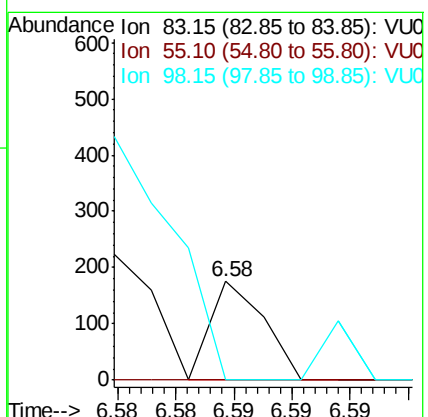
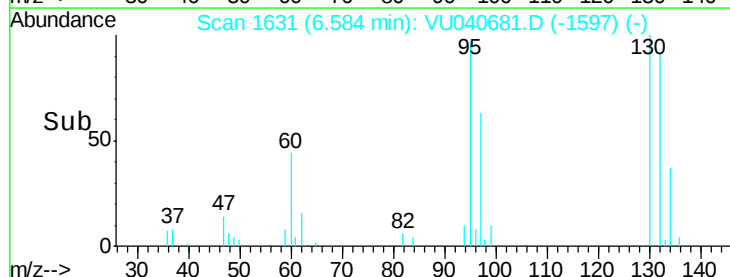
98 0.0 38.4 57.6#

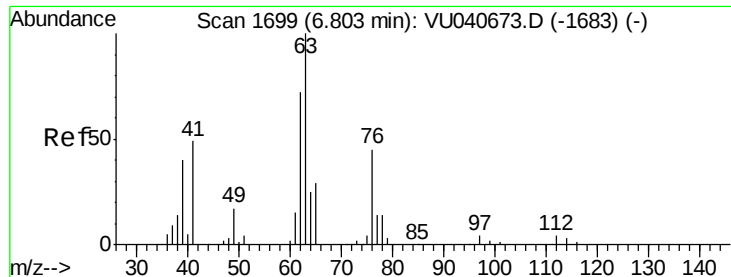


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

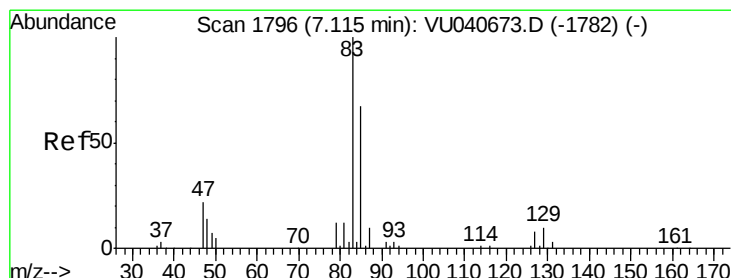
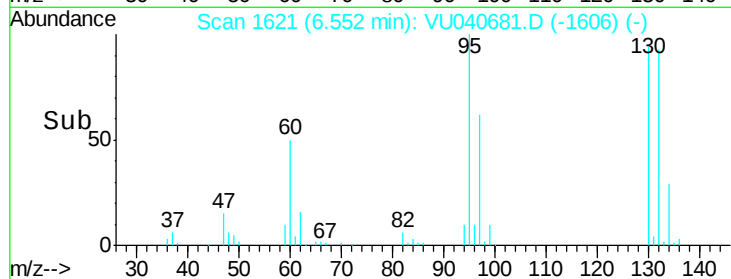
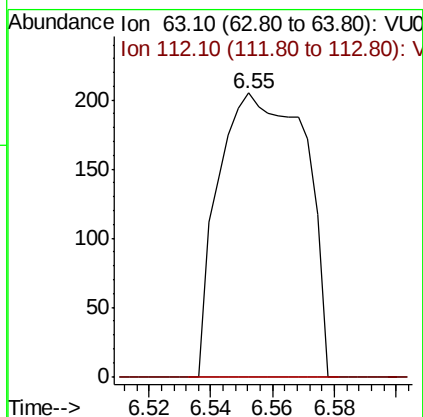
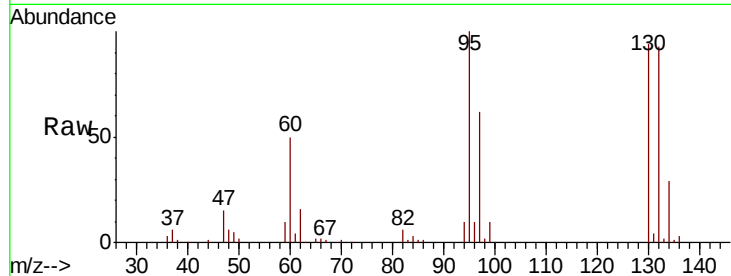




#37
 1,2-Dichloropropane
 Concen: 5.951 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.25 min
 Lab File: VU040681.D
 Acq: 13 Oct 2020 14:40

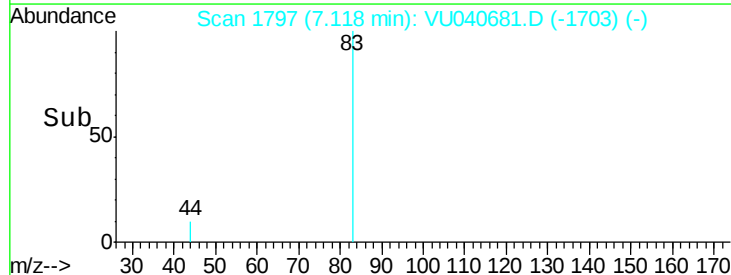
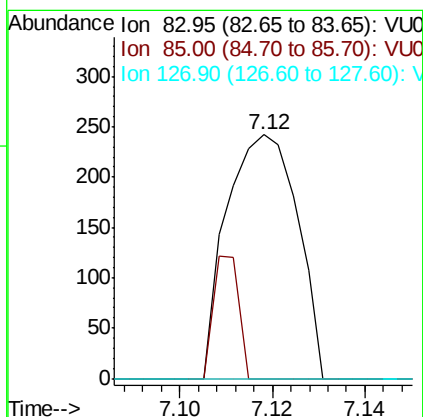
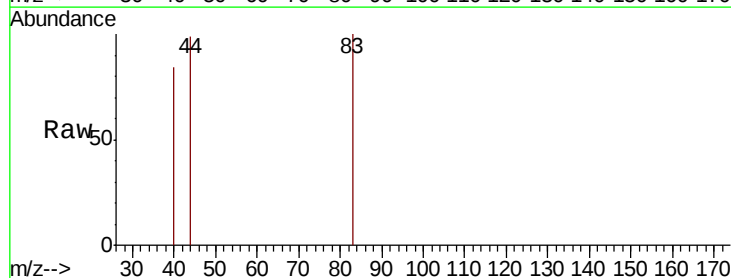
Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ6

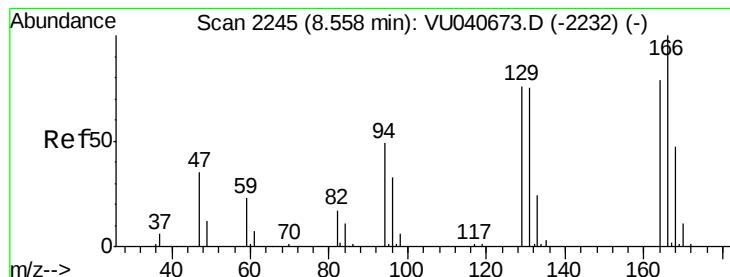
Tot Ion: 63 Resp: 399
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 2.987 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040681.D
 Acq: 13 Oct 2020 14:40

Tgt Ion: 83 Resp: 256
 Ion Ratio Lower Upper
 83 100
 85 0.0 46.0 85.4#
 127 0.0 6.7 10.1#





#47

Tetrachloroethene

Concen: 292.397 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040681.D

Acq: 13 Oct 2020 14:40

Instrument :

MSVOA_U

ClientSampleId :

YQZ6

Tot Ion:164 Resp: 13012

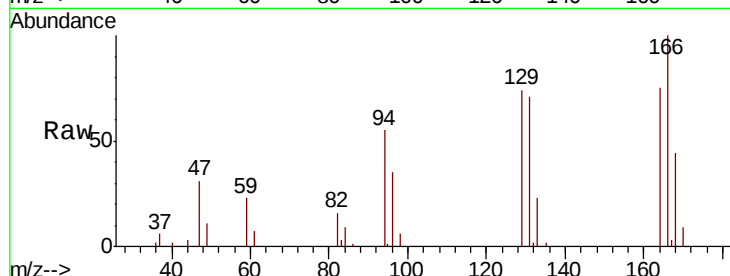
Ion Ratio Lower Upper

164 100

129 99.9 68.8 127.8

131 95.5 66.7 123.9

166 134.2 83.9 155.7

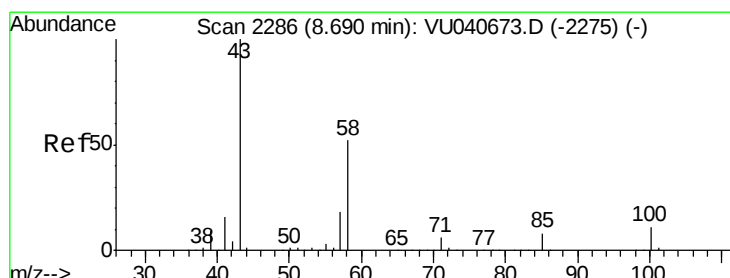
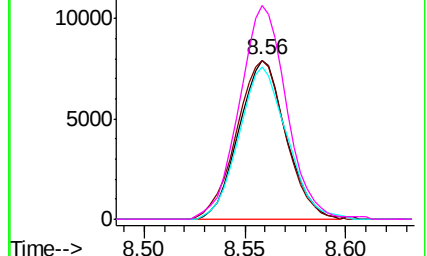
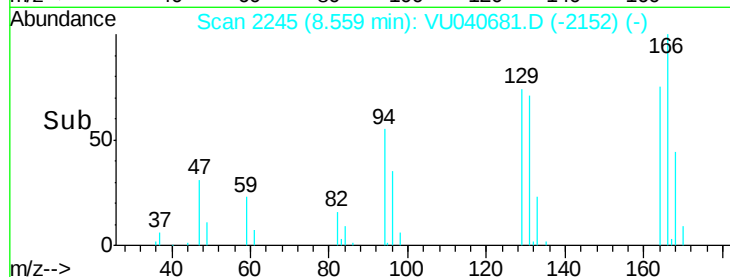


Abundance Ion 163.90 (163.60 to 164.60): V

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: 20.529 ug/L

RT: 8.70 min Scan# 2288

Delta R.T. 0.01 min

Lab File: VU040681.D

Acq: 13 Oct 2020 14:40

Tgt Ion: 43 Resp: 817

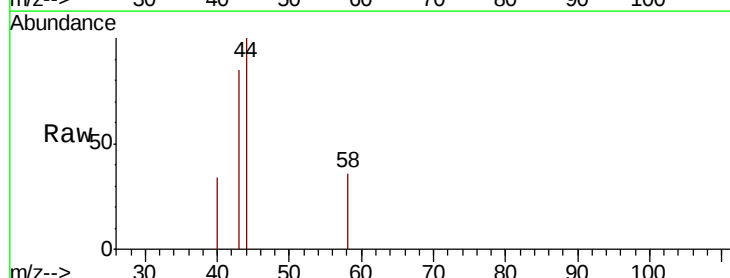
Ion Ratio Lower Upper

43 100

58 14.9 41.0 61.6#

57 0.0 14.4 21.6#

100 0.0 8.6 13.0#

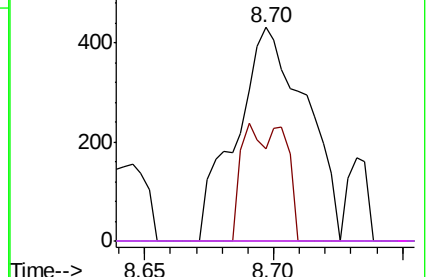
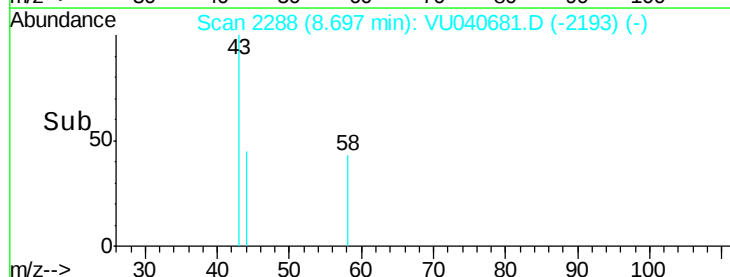


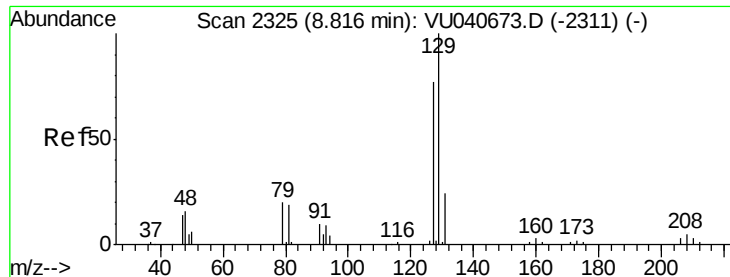
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 232.459 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU040681.D

Acq: 13 Oct 2020 14:40

Instrument :

MSVOA_U

ClientSampleId :

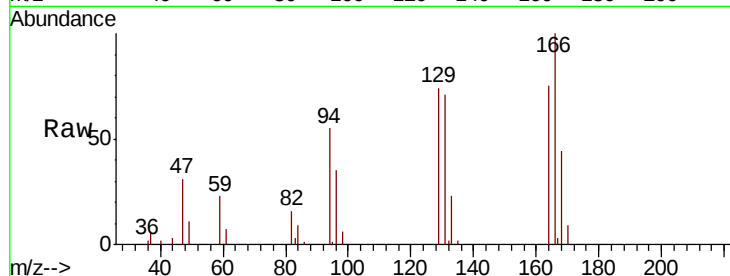
YQZ6

Tot Ion:129 Resp: 13431

Ion Ratio Lower Upper

129 100

127 0.0 55.8 103.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

8000

6000

4000

2000

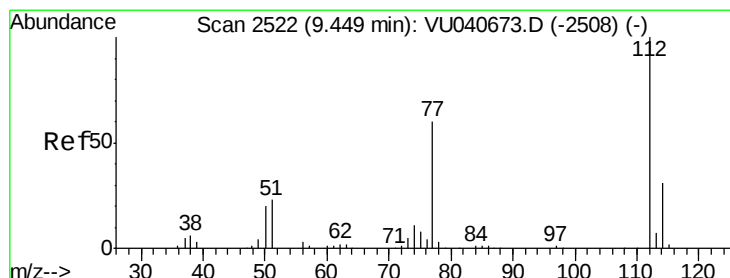
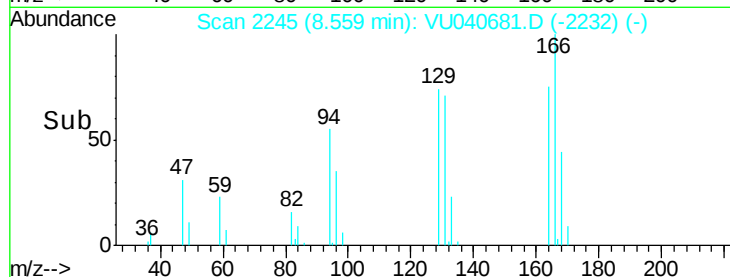
0

8.50

8.55

8.60

Time-->



#51

Chlorobenzene

Concen: 1.418 ug/L

RT: 9.45 min Scan# 2523

Delta R.T. 0.00 min

Lab File: VU040681.D

Acq: 13 Oct 2020 14:40

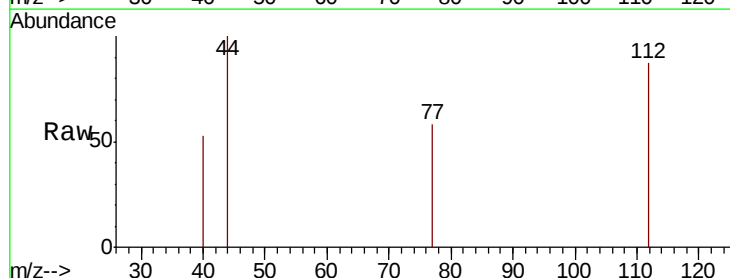
Tgt Ion:112 Resp: 229

Ion Ratio Lower Upper

112 100

114 0.0 23.1 42.9#

77 66.0 50.3 75.5



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): VU0

300

250

200

150

100

50

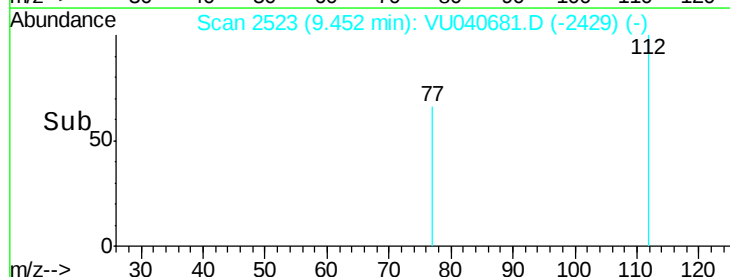
0

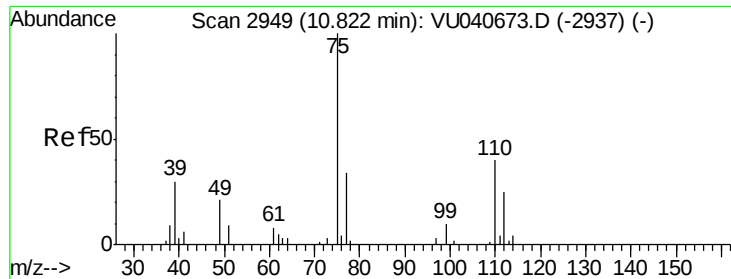
9.44

9.45

9.46

Time-->





#59

1,2,3-Trichloropropane

Concen: 1.462 ug/L

RT: 11.80 min Scan# 3254

Delta R.T. 0.98 min

Lab File: VU040681.D

Acq: 13 Oct 2020 14:40

Instrument :

MSVOA_U

ClientSampleId :

YQZ6

Tot Ion: 75 Resp: 72

Ion Ratio Lower Upper

75 100

77 0.0 26.4 39.6#

