

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101420\
 Data File : VU040694.D
 Acq On : 14 Oct 2020 13:27
 Operator : SY/MD
 Sample : L4346-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ6

Quant Time: Oct 15 05:30:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 15 05:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	118299	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	122828	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50295	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	49400	5.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.80%
7) Chloroethane-d5	1.92	69	43608	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.40%
11) 1,1-Dichloroethene-d2	2.58	63	80907	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	4.66	46	180431	57.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.04%
24) Chloroform-d	5.08	84	99022	5.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.20%
26) 1,2-Dichloroethane-d4	5.72	65	59860	5.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.20%
32) Benzene-d6	5.74	84	186185	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	6.70	67	63280	5.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.00%
41) Toluene-d8	7.91	98	152581	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
43) trans-1,3-Dichloropropene-	8.19	79	23880	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.64	63	125452	52.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53207	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	56788	6.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.80%#

Target Compounds

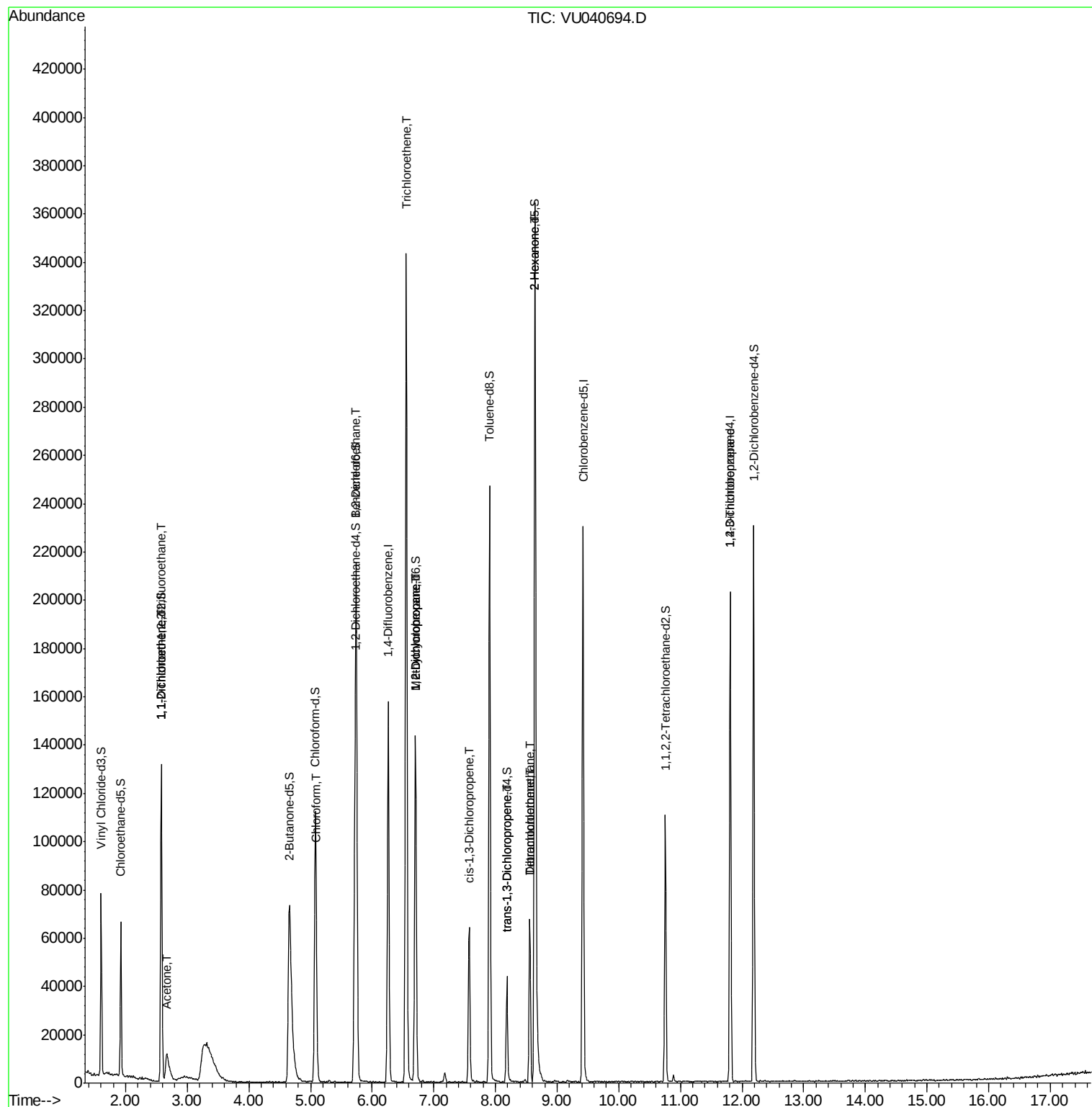
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	723	0.073	ug/L #	20
12) 1,1-Dichloroethene	2.57	96	498	0.059	ug/L #	1
13) Acetone	2.67	43	30835	12.682	ug/L	99
25) Chloroform	5.10	83	5072	0.272	ug/L	97
27) 1,2-Dichloroethane	5.74	62	1205	0.091	ug/L #	77
34) Trichloroethene	6.55	95	115174	11.260	ug/L	97
35) Methylcyclohexane	6.70	83	15144	1.044	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	7603	0.691	ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1878	0.125	ug/L	86
44) trans-1,3-Dichloropropene	8.18	75	1059	0.077	ug/L #	70
47) Tetrachloroethene	8.56	164	13846	1.897	ug/L	92
48) 2-Hexanone	8.64	43	18132	2.778	ug/L #	75
49) Dibromochloromethane	8.56	129	14906	1.573	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6697	0.829	ug/L #	87

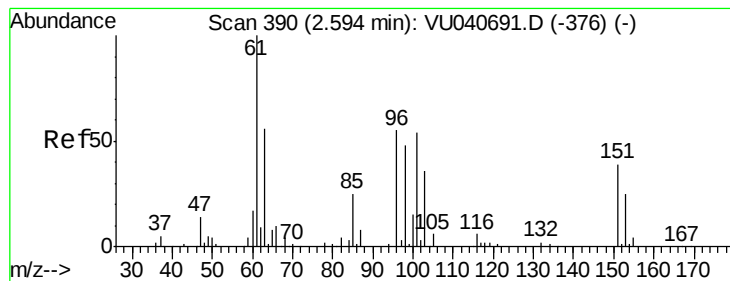
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 15 05:23:17 2020
Response via : Initial Calibration





#10

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

Concen: 0.073 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040694.D

Acq: 14 Oct 2020 13:27

Instrument :

MSVOA_U

ClientSampleId :

YAZ6

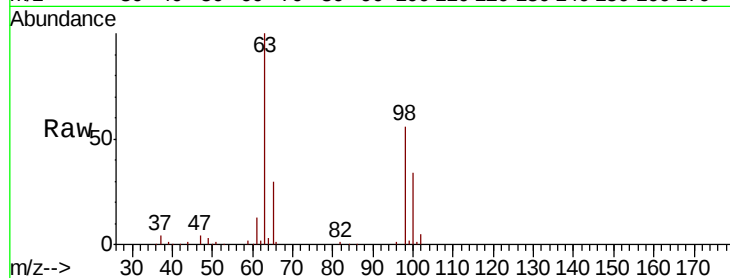
Tot Ion:101 Resp: 723

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.58

400

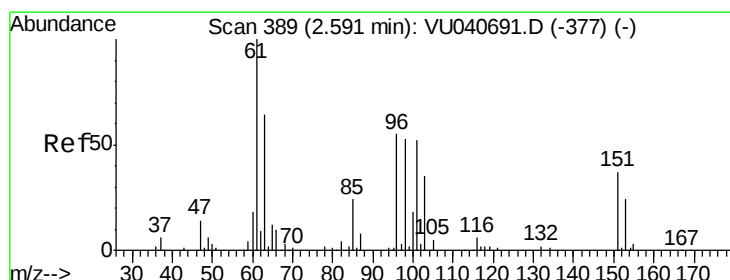
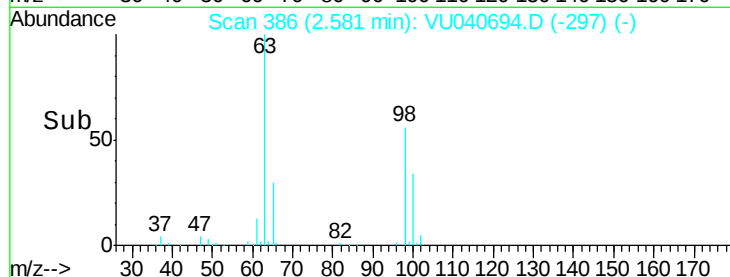
300

200

100

0

Time--> 2.54 2.56 2.58 2.60 2.62



#12

1,1-Dichloroethene

Concen: 0.059 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040694.D

Acq: 14 Oct 2020 13:27

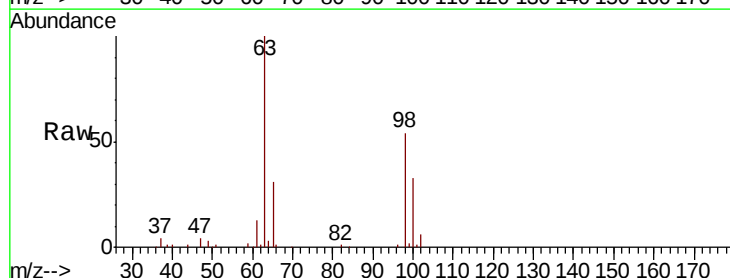
Tgt Ion: 96 Resp: 498

Ion Ratio Lower Upper

96 100

61 1476.8 128.8 239.2#

63 11205.9 84.6 157.2#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

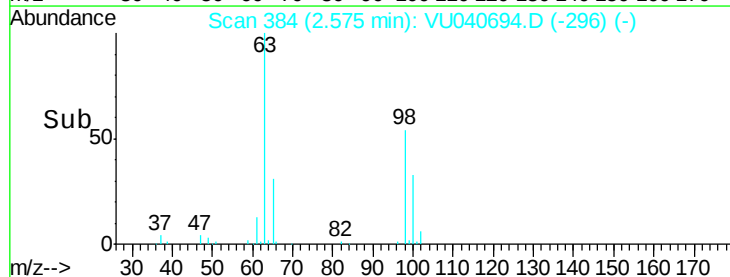
60000

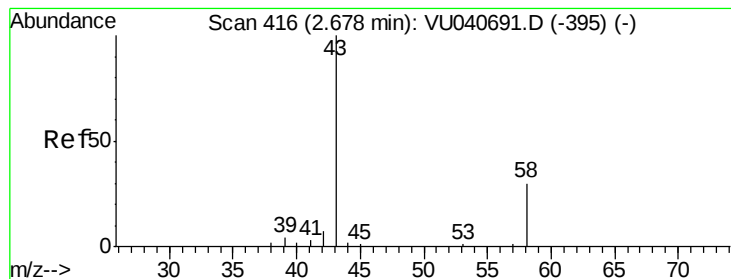
40000

20000

0

Time--> 2.56 2.58





#13

Acetone

Concen: 12.682 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU040694.D

Acq: 14 Oct 2020 13:27

Instrument :

MSVOA_U

ClientSampleId :

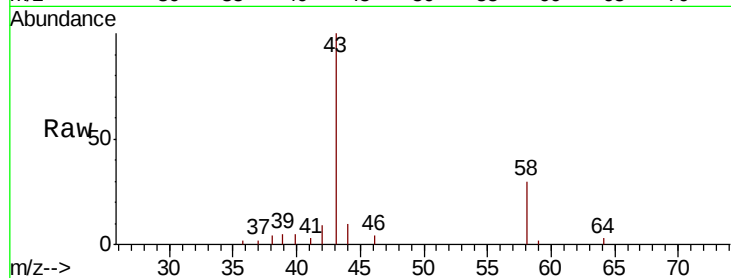
YQZ6

Tot Ion: 43 Resp: 30835

Ion Ratio Lower Upper

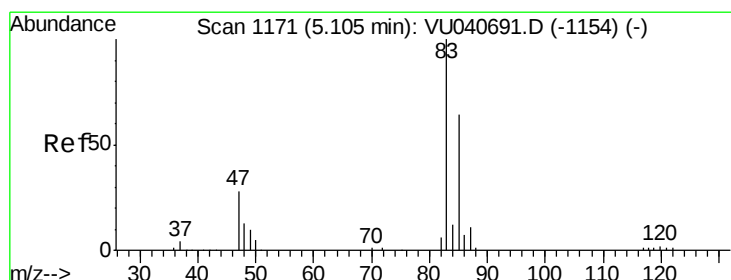
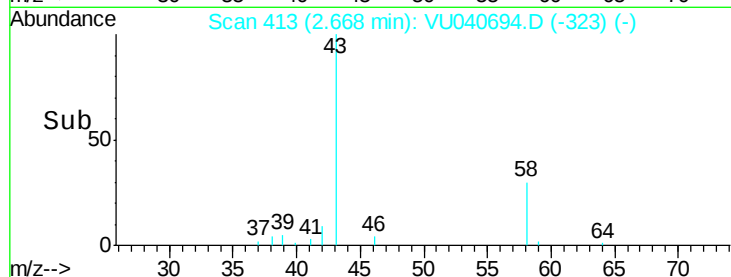
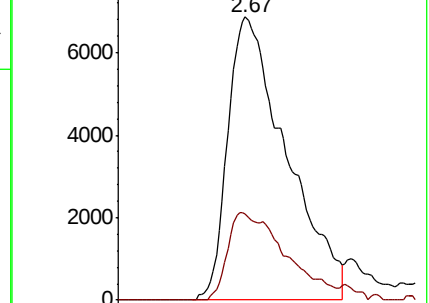
43 100

58 30.7 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040694.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU040694.D (-323) (-)



#25

Chloroform

Concen: 0.272 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU040694.D

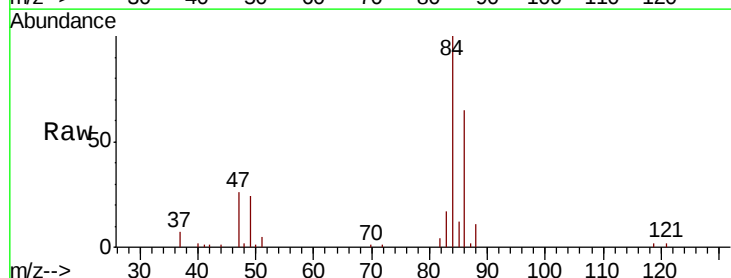
Acq: 14 Oct 2020 13:27

Tgt Ion: 83 Resp: 5072

Ion Ratio Lower Upper

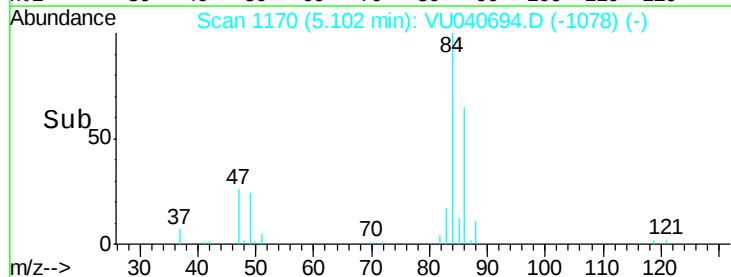
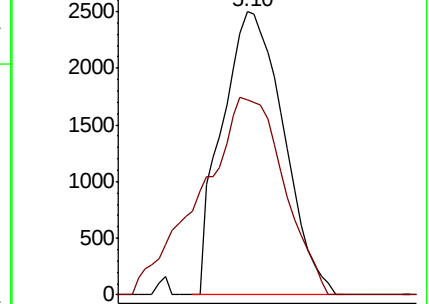
83 100

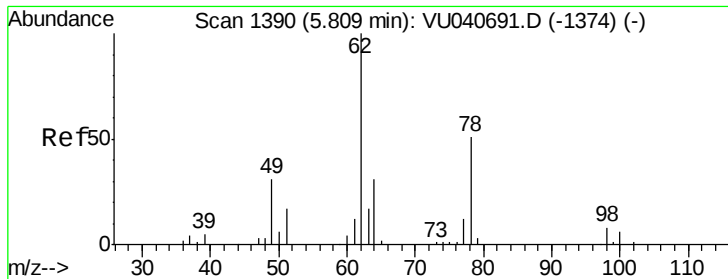
85 68.8 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040694.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040694.D (-1078) (-)

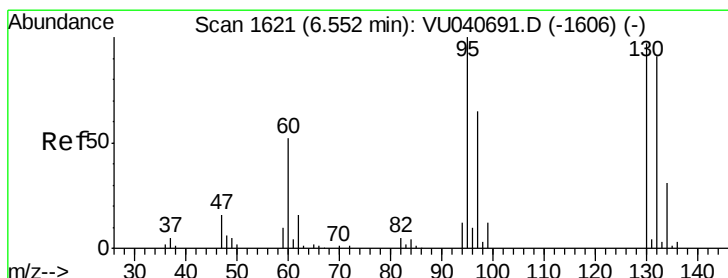
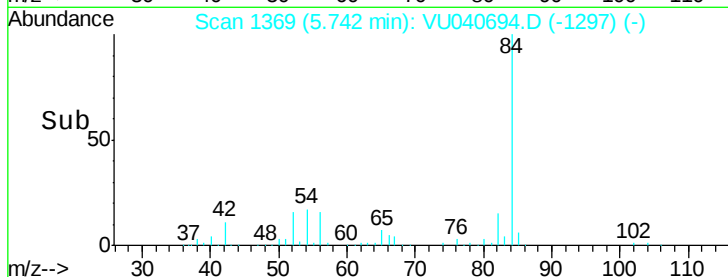
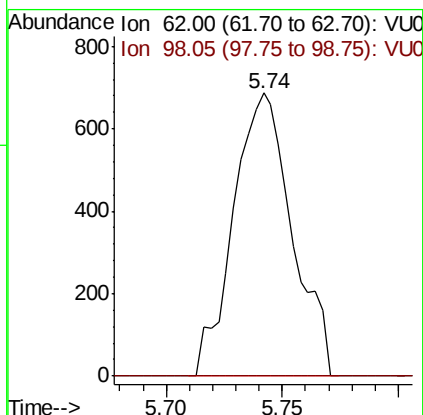
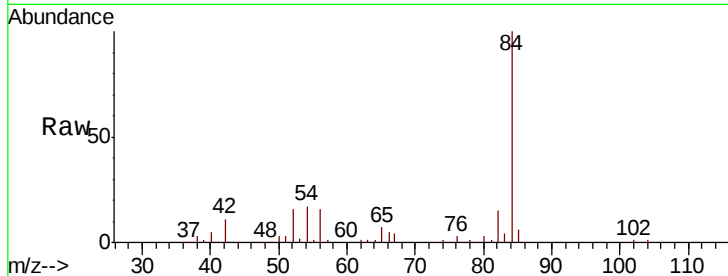




#27
 1,2-Dichloroethane
 Concen: 0.091 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.07 min
 Lab File: VU040694.D
 Acq: 14 Oct 2020 13:27

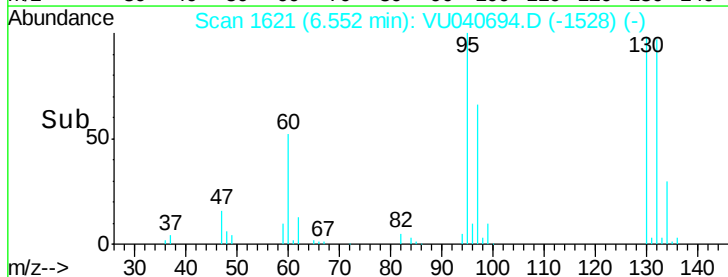
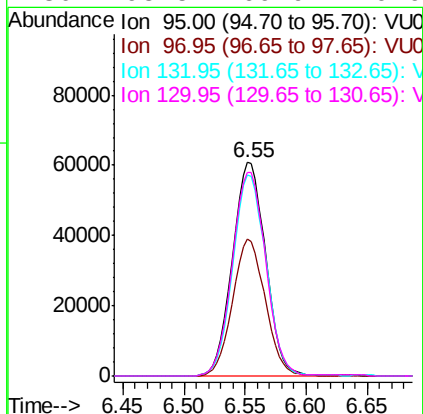
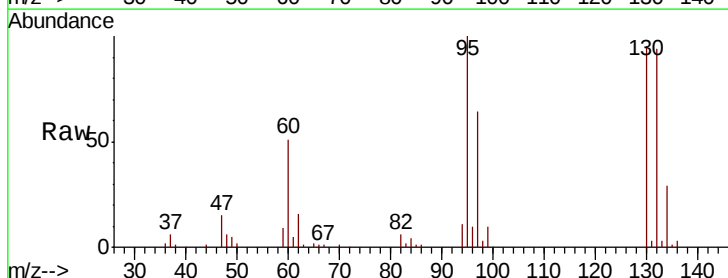
Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ6

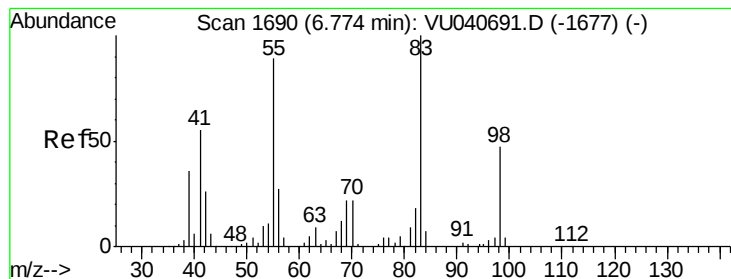
Tot Ion: 62 Resp: 1205
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#34
 Trichloroethene
 Concen: 11.260 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040694.D
 Acq: 14 Oct 2020 13:27

Tgt Ion: 95 Resp: 115174
 Ion Ratio Lower Upper
 95 100
 97 63.9 45.5 84.5
 132 94.3 67.5 125.4
 130 95.5 69.9 129.9





#35

Methylcyclohexane

Concen: 1.044 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU040694.D

Acq: 14 Oct 2020 13:27

Instrument :

MSVOA_U

ClientSampled :

YAZ6

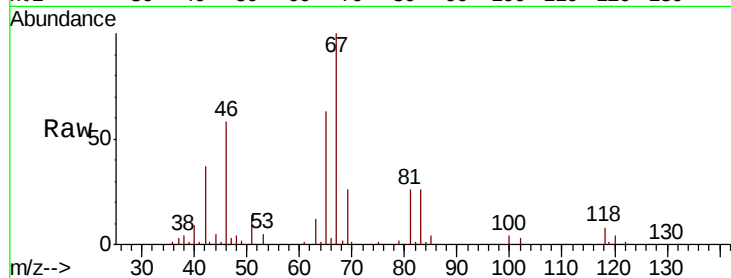
Tot Ion: 83 Resp: 15144

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

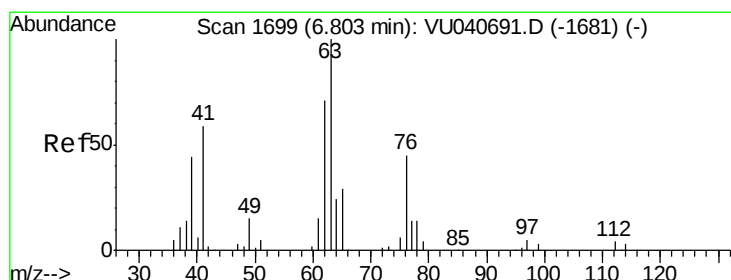
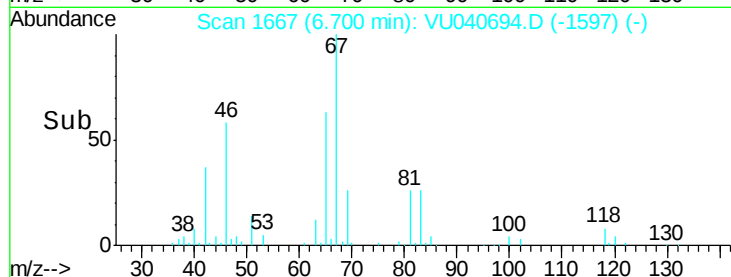
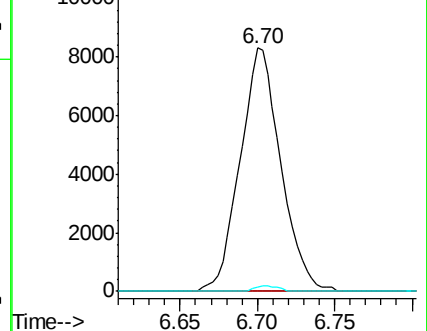
98 1.3 38.4 57.6#



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: 0.691 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040694.D

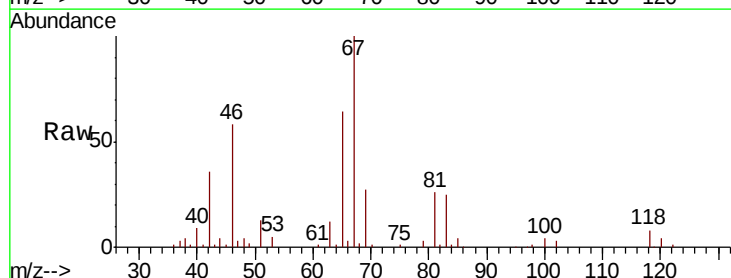
Acq: 14 Oct 2020 13:27

Tgt Ion: 63 Resp: 7603

Ion Ratio Lower Upper

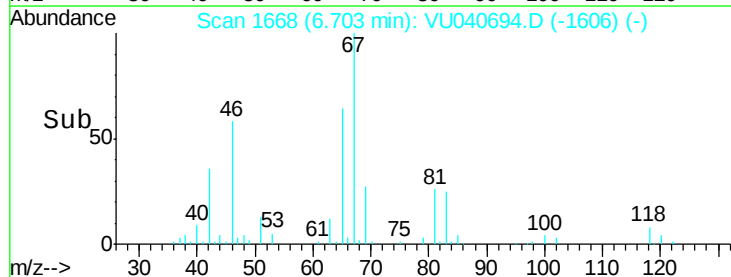
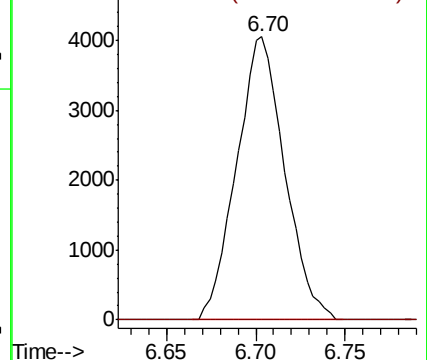
63 100

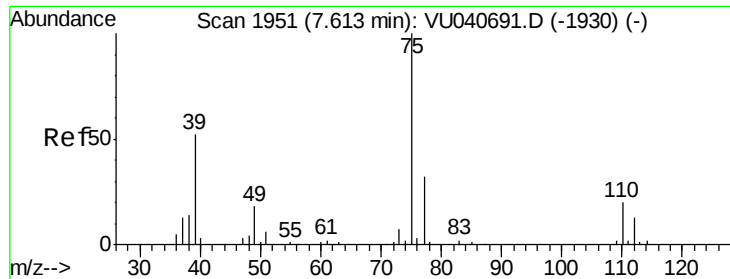
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

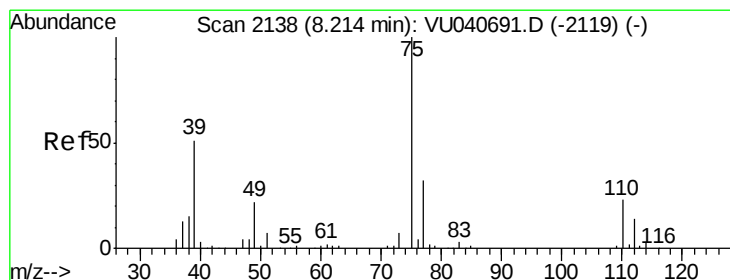
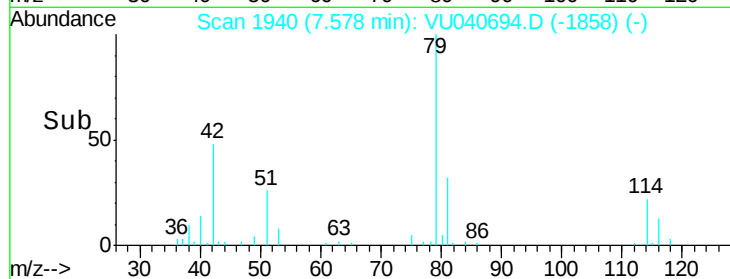
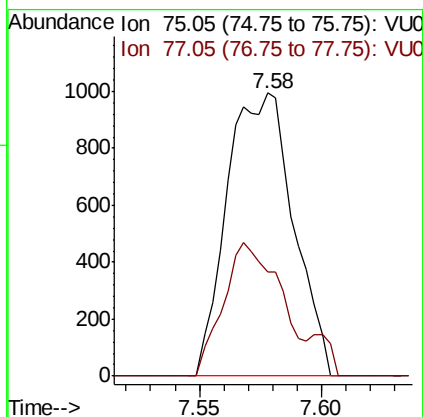
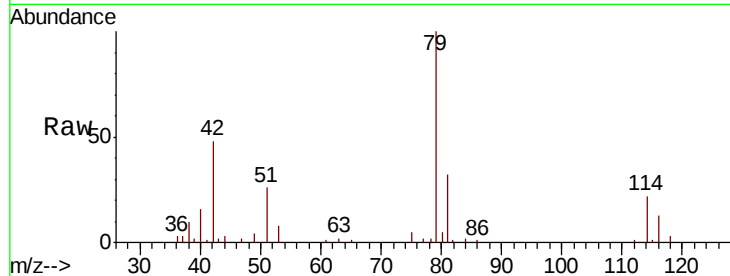




#39
 cis-1,3-Dichloropropene
 Concen: 0.125 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040694.D
 Acq: 14 Oct 2020 13:27

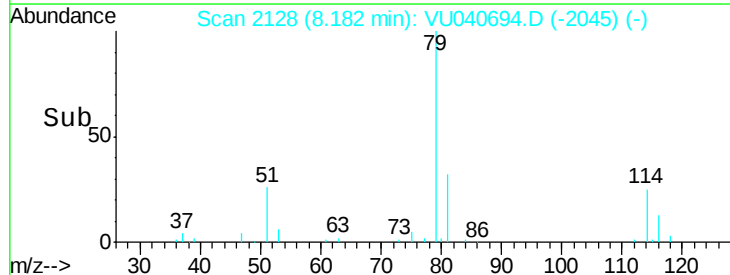
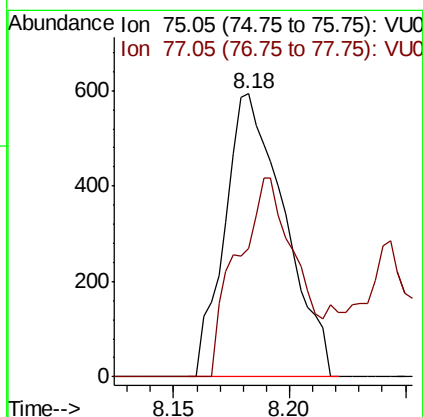
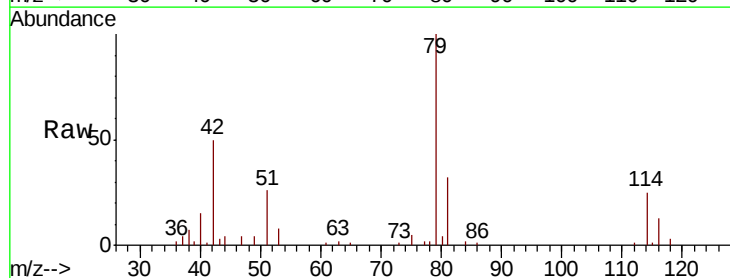
Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ6

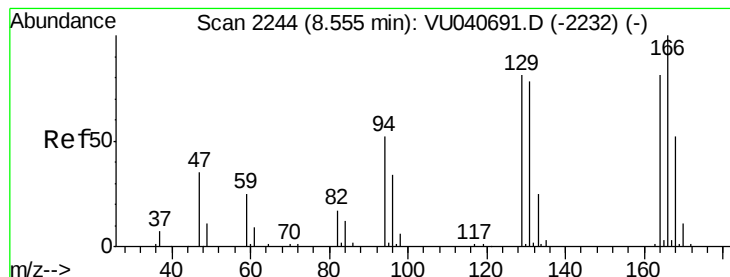
Tot Ion: 75 Resp: 1878
 Ion Ratio Lower Upper
 75 100
 77 37.0 20.5 38.1



#44
 trans-1,3-Dichloropropene
 Concen: 0.077 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU040694.D
 Acq: 14 Oct 2020 13:27

Tgt Ion: 75 Resp: 1059
 Ion Ratio Lower Upper
 75 100
 77 45.2 20.4 38.0#





#47

Tetrachloroethene

Concen: 1.897 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040694.D

Acq: 14 Oct 2020 13:27

Instrument :

MSVOA_U

ClientSampleId :

YAZ6

Tot Ion:164 Resp: 13846

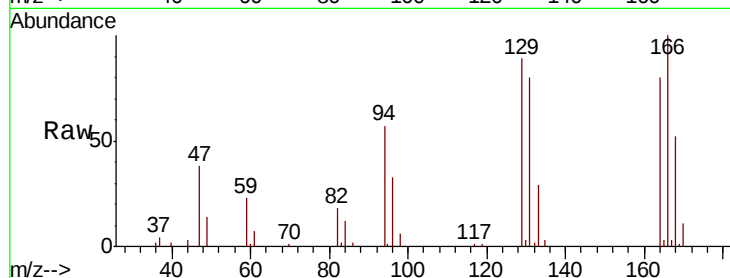
Ion Ratio Lower Upper

164 100

129 111.4 68.8 127.8

131 100.1 66.7 123.9

166 125.6 83.9 155.7

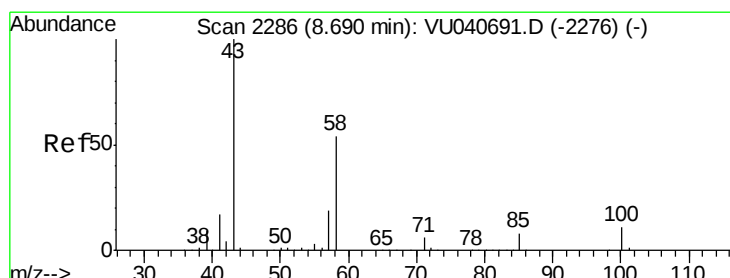
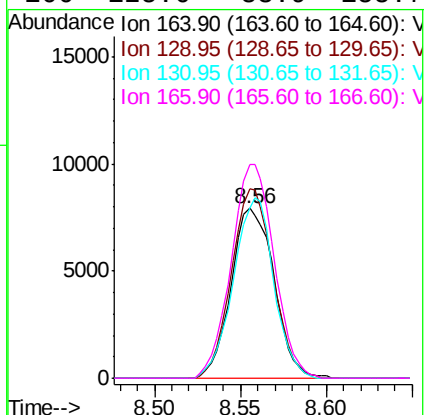
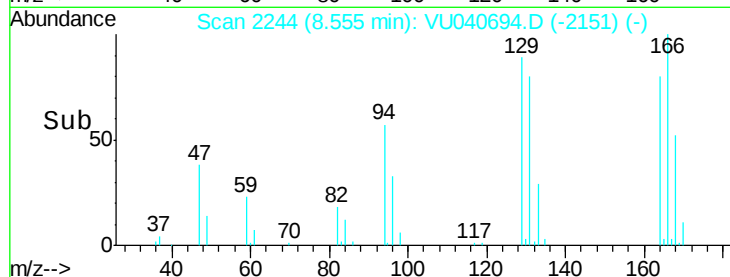


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.778 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040694.D

Acq: 14 Oct 2020 13:27

Tgt Ion: 43 Resp: 18132

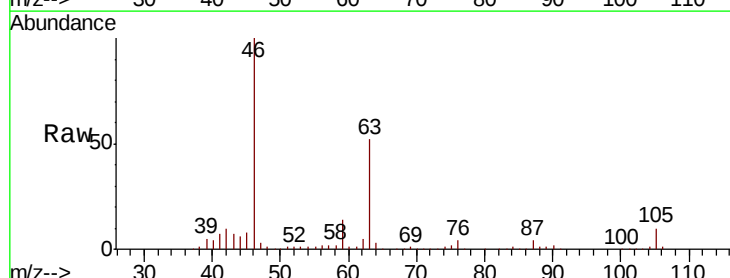
Ion Ratio Lower Upper

43 100

58 33.8 41.0 61.6#

57 29.1 14.4 21.6#

100 0.8 8.6 13.0#

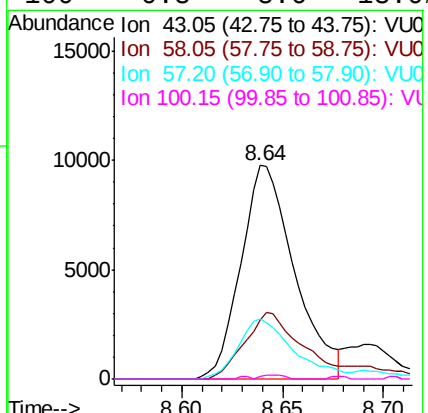
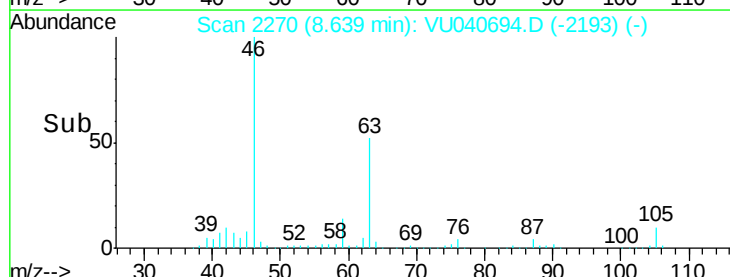


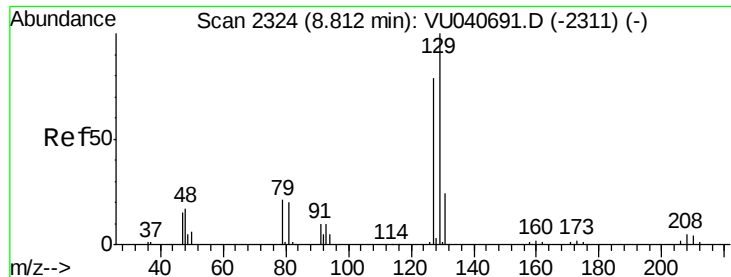
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 1.573 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040694.D

Acq: 14 Oct 2020 13:27

Instrument :

MSVOA_U

ClientSampleId :

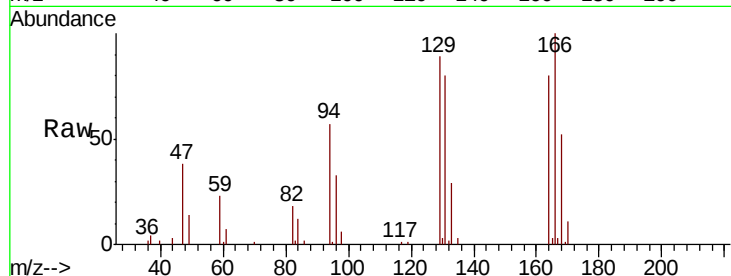
YAZ6

Tot Ion:129 Resp: 14906

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

10000

8000

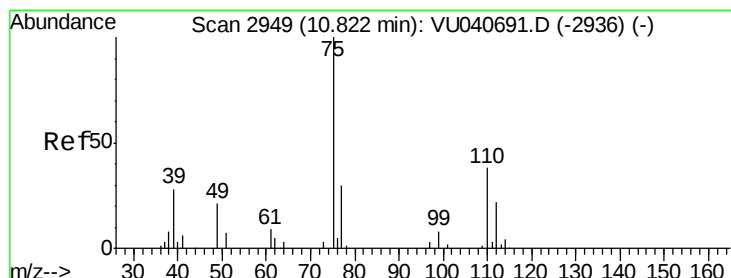
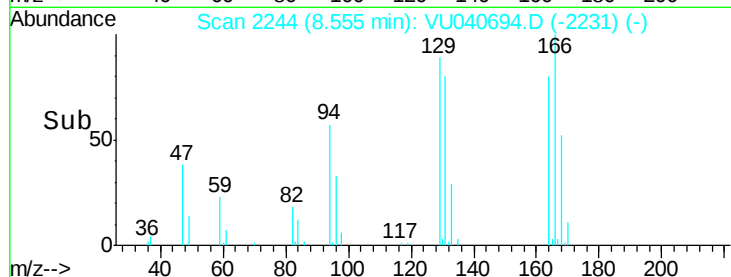
6000

4000

2000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.829 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040694.D

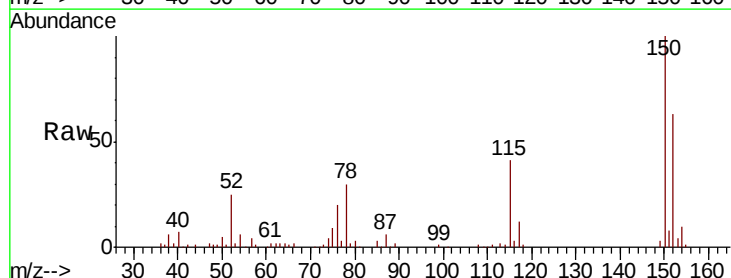
Acq: 14 Oct 2020 13:27

Tgt Ion: 75 Resp: 6697

Ion Ratio Lower Upper

75 100

77 40.6 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

5000

4000

3000

2000

1000

0

Time-->

