

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121020\
 Data File : VU041561.D
 Acq On : 11 Dec 2020 01:53
 Operator : SY/MD
 Sample : L5027-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1H2

Quant Time: Dec 11 07:35:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 11 07:33:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	43094	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	36181	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	18645	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	9372	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.92	69	9147	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.58	63	16843	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.66	46	25478	30.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	61.40%
24) Chloroform-d	5.08	84	25193	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
26) 1,2-Dichloroethane-d4	5.72	65	19567	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.74	84	45065	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
36) 1,2-Dichloropropane-d6	6.70	67	11558	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.91	98	36457	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	8.19	79	5924	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.64	63	18659	32.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	64.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	9498	3.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	16823	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

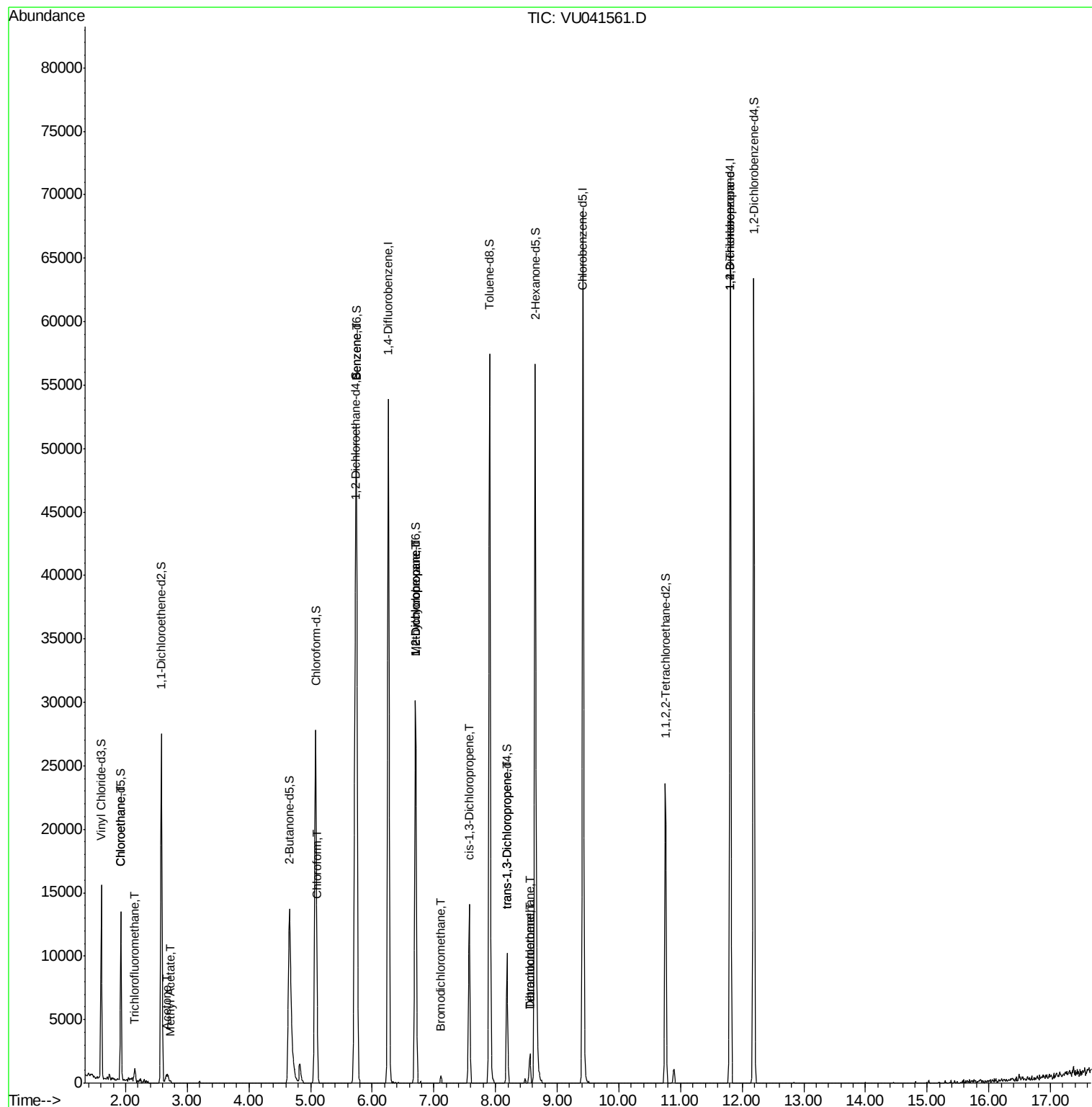
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.93	64	64	0.033	ug/L #	45
9) Trichlorofluoromethane	2.15	101	667	0.102	ug/L	86
13) Acetone	2.66	43	697	1.079	ug/L	76
15) Methyl Acetate	2.73	43	220	0.186	ug/L #	51
25) Chloroform	5.11	83	691	0.115	ug/L	86
33) Benzene	5.73	78	369	0.041	ug/L	100
35) Methylcyclohexane	6.71	83	3859	1.047	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	1873	0.892	ug/L #	84
38) Bromodichloromethane	7.12	83	484	0.126	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	403	0.106	ug/L #	40
44) trans-1,3-Dichloropropene	8.19	75	271	0.072	ug/L #	42
47) Tetrachloroethene	8.56	164	549	0.257	ug/L	92
49) Dibromochloromethane	8.56	129	516	0.187	ug/L #	12
59) 1,2,3-Trichloropropane	11.81	75	1691	0.830	ug/L #	67

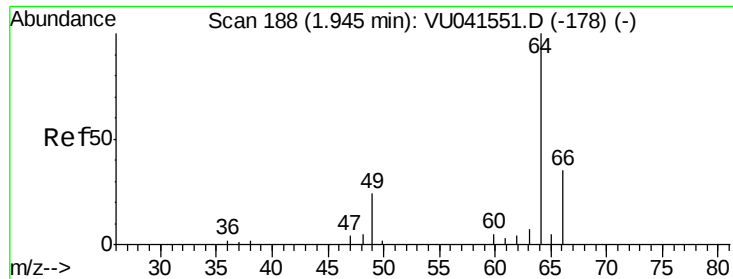
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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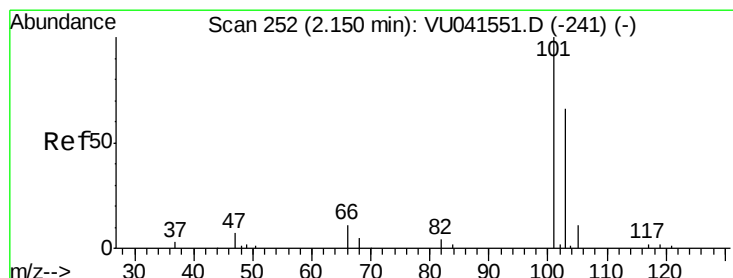
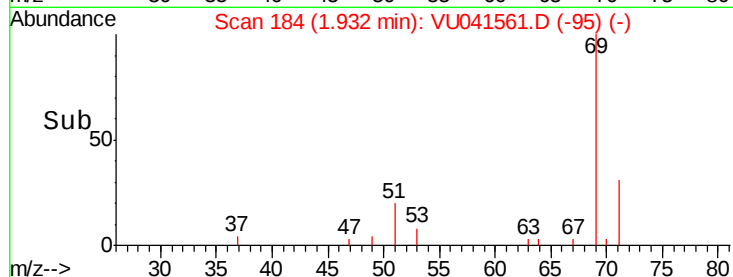
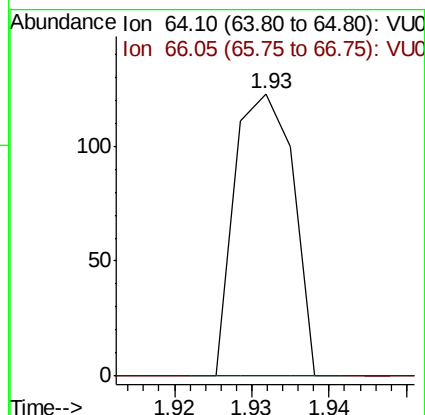
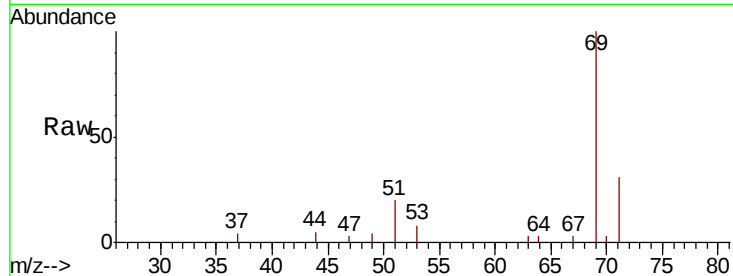




#8
Chloroethane
Concen: 0.033 ug/L
RT: 1.93 min Scan# 184
Delta R.T. -0.01 min
Lab File: VU041561.D
Acq: 11 Dec 2020 01:53

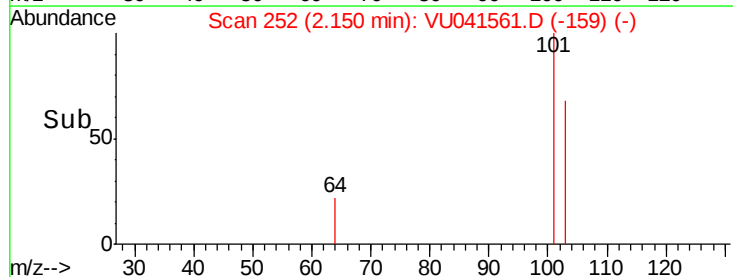
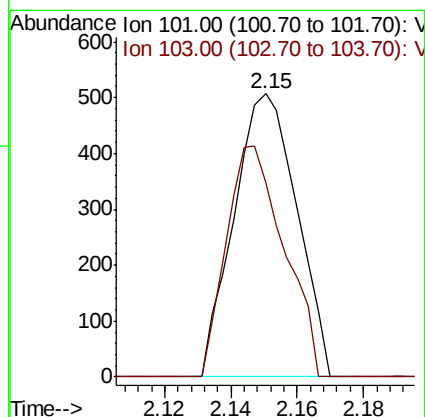
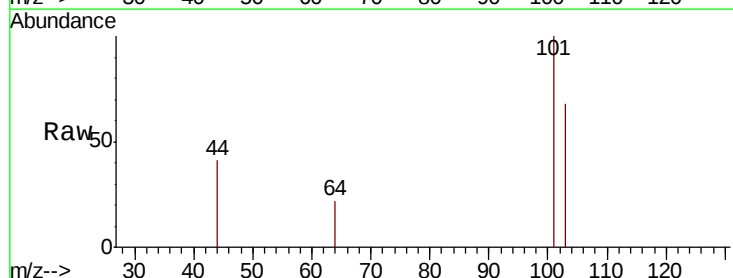
Instrument :
MSVOA_U
ClientSampleId :
GB1H2

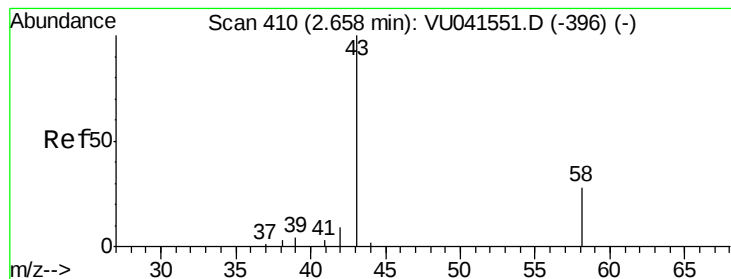
Tot Ion: 64 Resp: 64
Ion Ratio Lower Upper
64 100
66 0.0 20.9 38.9#



#9
Trichlorofluoromethane
Concen: 0.102 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041561.D
Acq: 11 Dec 2020 01:53

Tgt Ion: 101 Resp: 667
Ion Ratio Lower Upper
101 100
103 75.0 51.4 77.0





#13

Acetone

Concen: 1.079 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU041561.D

Acq: 11 Dec 2020 01:53

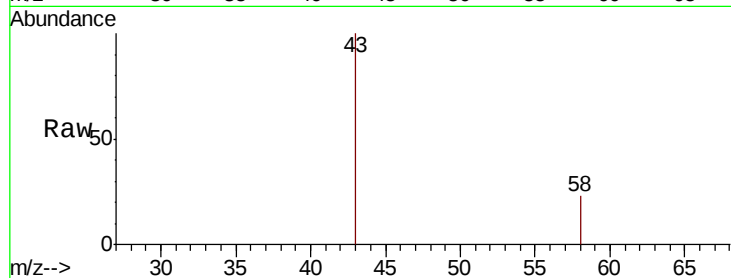
Instrument :
MSVOA_U
ClientSampleId :
GB1H2

Tot Ion: 43 Resp: 697

Ion Ratio Lower Upper

43 100

58 12.9 0.0 50.0

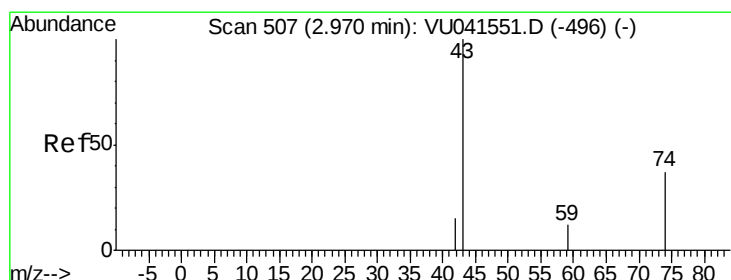
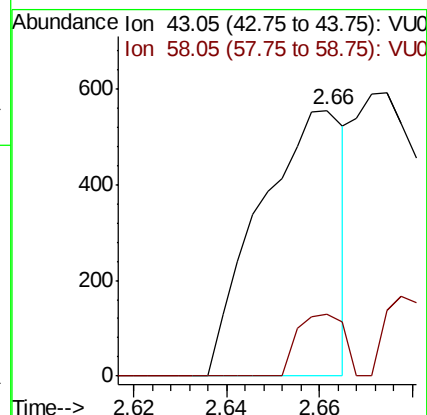
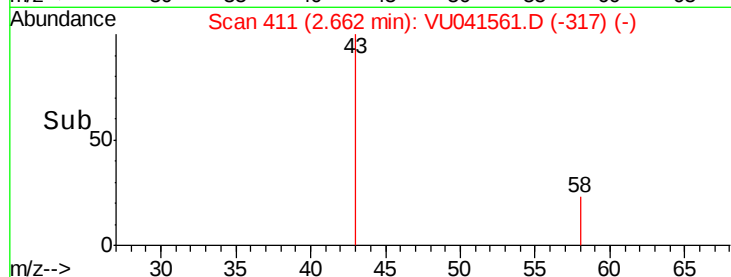


Abundance Ion 43.05 (42.75 to 43.75): VU041561.D (-410) (-)

Ion 58.05 (57.75 to 58.75): VU041561.D (-410) (-)

2.66

Time-->



#15

Methyl Acetate

Concen: 0.186 ug/L

RT: 2.73 min Scan# 431

Delta R.T. -0.24 min

Lab File: VU041561.D

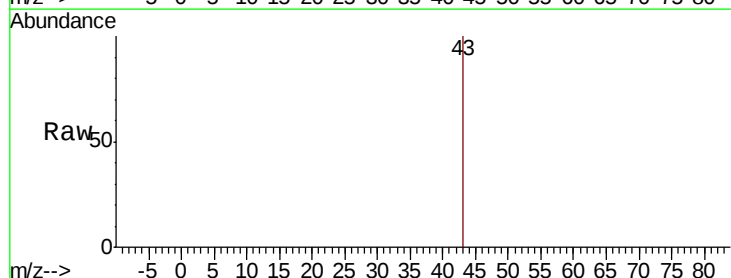
Acq: 11 Dec 2020 01:53

Tgt Ion: 43 Resp: 220

Ion Ratio Lower Upper

43 100

74 0.0 19.7 29.5#

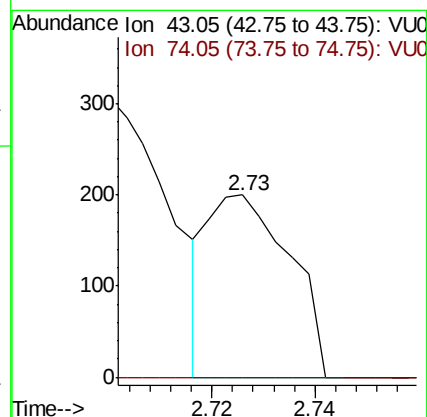
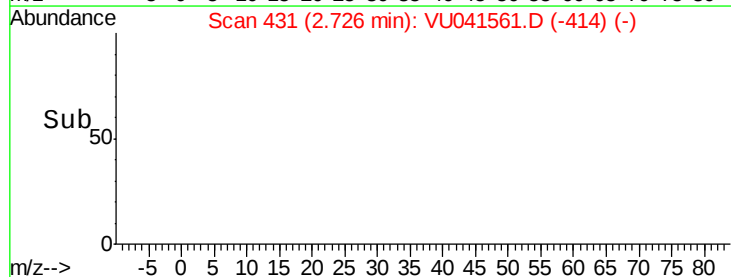


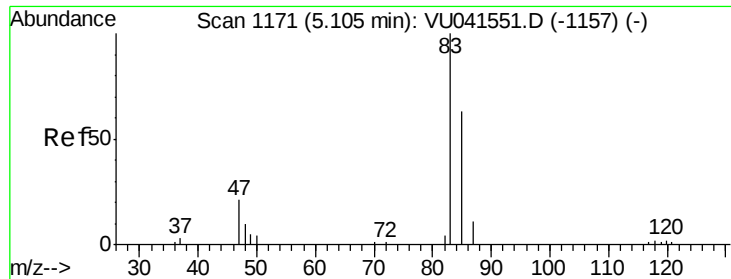
Abundance Ion 43.05 (42.75 to 43.75): VU041561.D (-414) (-)

Ion 74.05 (73.75 to 74.75): VU041561.D (-414) (-)

2.73

Time-->

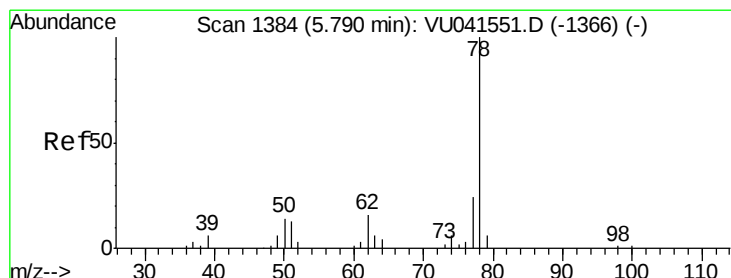
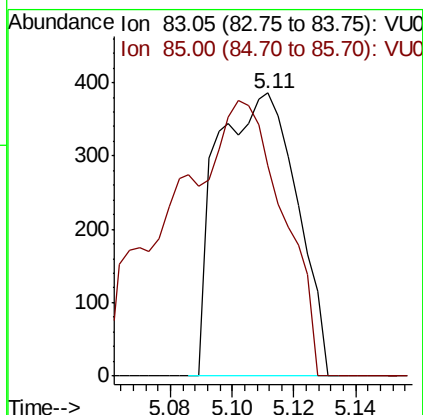
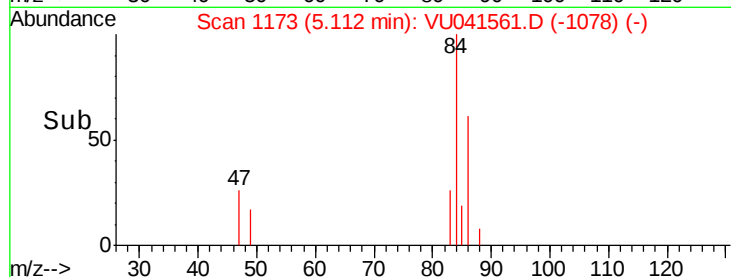
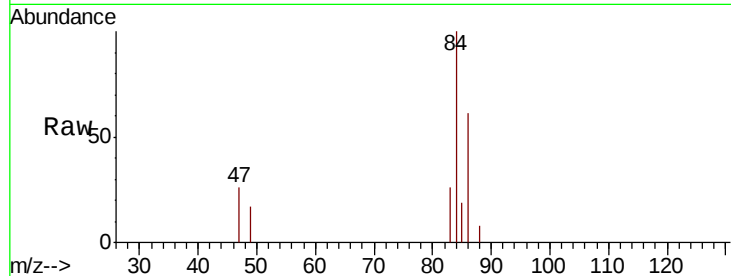




#25
Chloroform
Concen: 0.115 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU041561.D
Acq: 11 Dec 2020 01:53

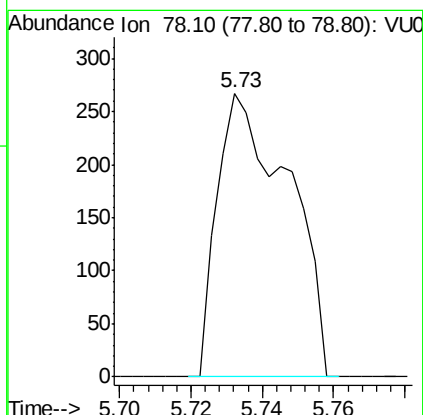
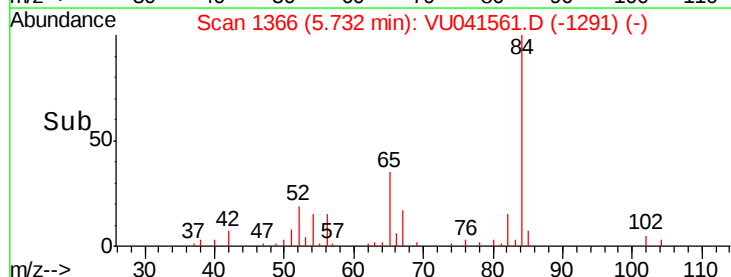
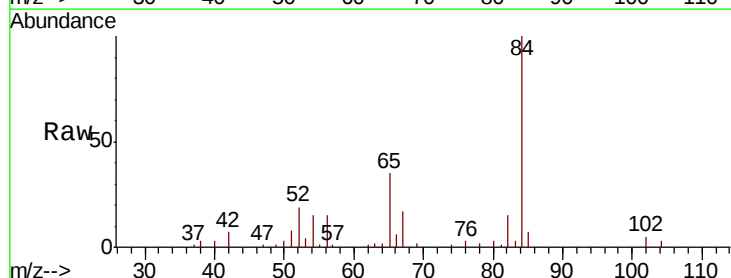
Instrument :
MSVOA_U
ClientSampleId :
GB1H2

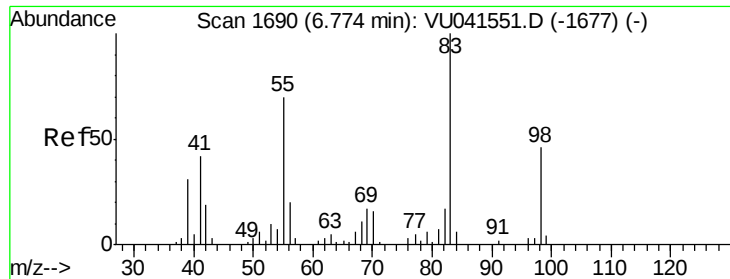
Tot Ion: 83 Resp: 691
Ion Ratio Lower Upper
83 100
85 74.4 44.7 82.9



#33
Benzene
Concen: 0.041 ug/L
RT: 5.73 min Scan# 1366
Delta R.T. -0.06 min
Lab File: VU041561.D
Acq: 11 Dec 2020 01:53

Tgt Ion: 78 Resp: 369

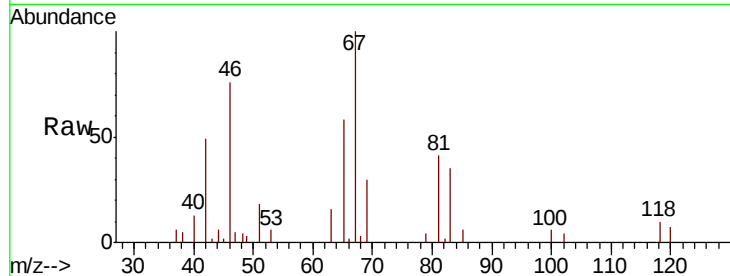




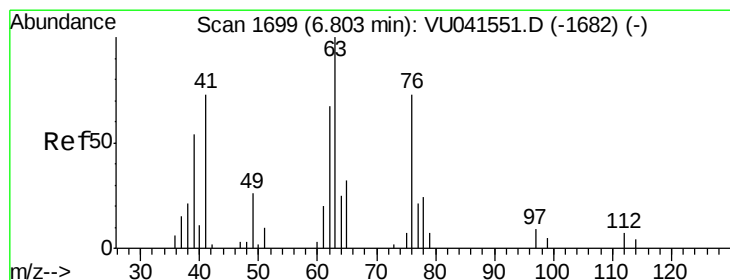
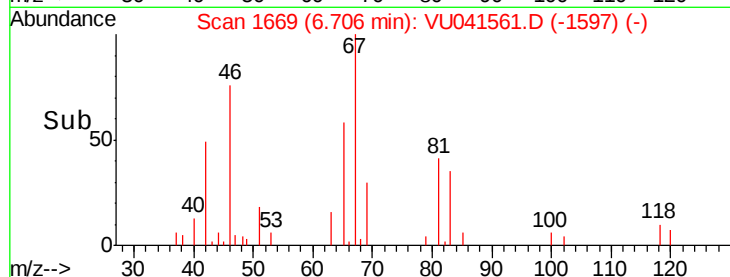
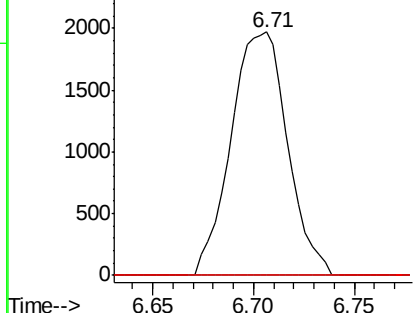
#35
Methylcyclohexane
Concen: 1.047 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU041561.D
Acq: 11 Dec 2020 01:53

Instrument :
MSVOA_U
ClientSampleId :
GB1H2

Tot Ion: 83 Resp: 3859
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 38.7 58.1#

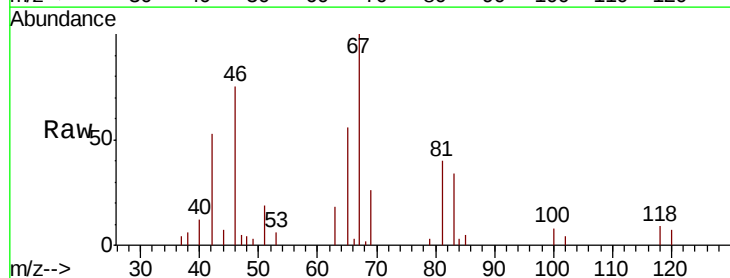


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

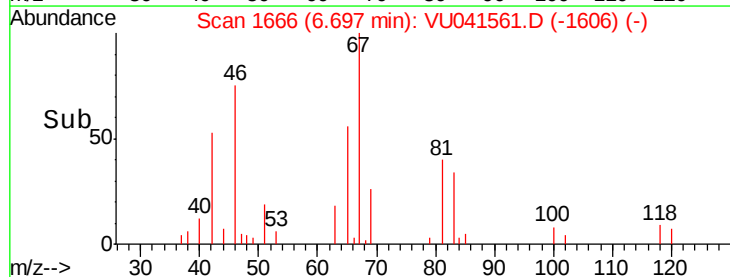
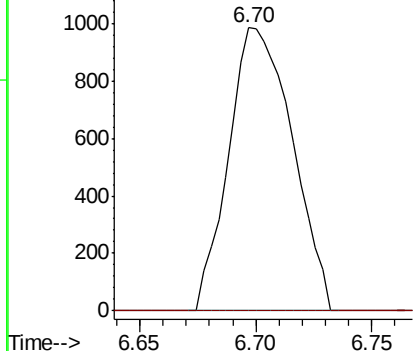


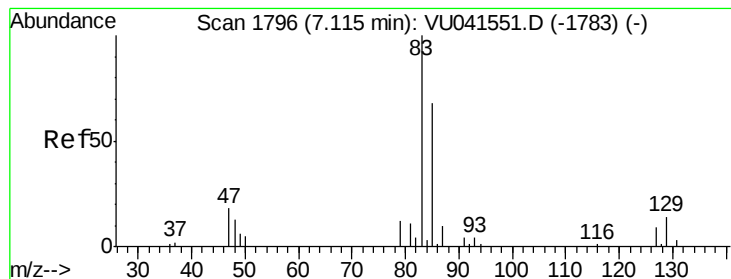
#37
1,2-Dichloropropane
Concen: 0.892 ug/L
RT: 6.70 min Scan# 1666
Delta R.T. -0.11 min
Lab File: VU041561.D
Acq: 11 Dec 2020 01:53

Tgt Ion: 63 Resp: 1873
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.126 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU041561.D

Acq: 11 Dec 2020 01:53

Instrument :

MSVOA_U

ClientSampleId :

GB1H2

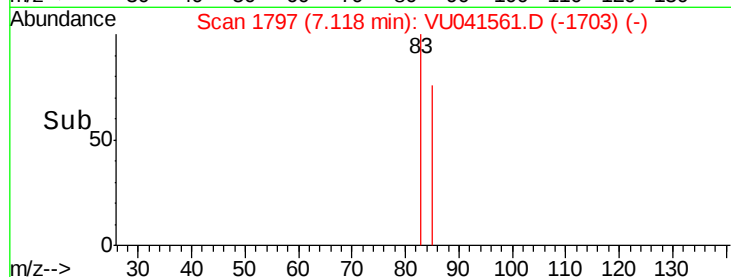
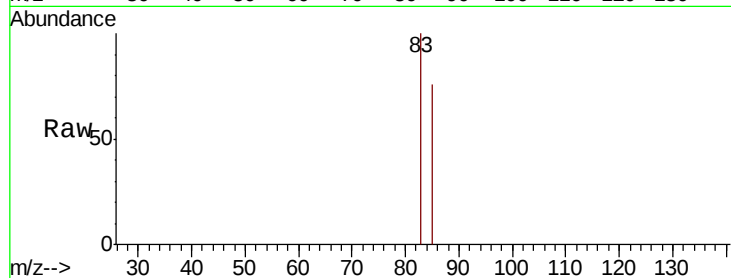
Tot Ion: 83 Resp: 484

Ion Ratio Lower Upper

83 100

85 76.3 46.7 86.7

127 0.0 6.6 10.0#



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

7.12

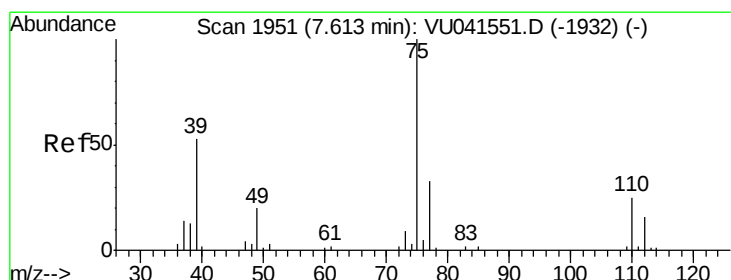
300

200

100

0

Time--> 7.08 7.10 7.12 7.14



#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 7.57 min Scan# 1937

Delta R.T. -0.04 min

Lab File: VU041561.D

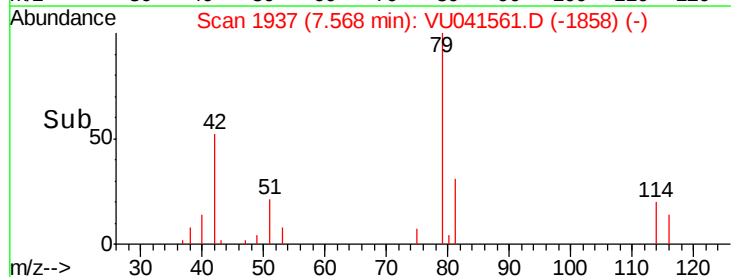
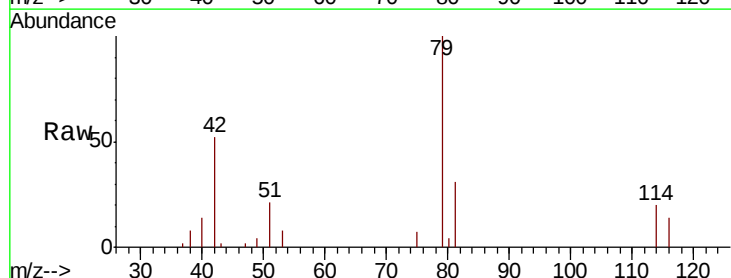
Acq: 11 Dec 2020 01:53

Tgt Ion: 75 Resp: 403

Ion Ratio Lower Upper

75 100

77 0.0 24.0 44.6#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.57

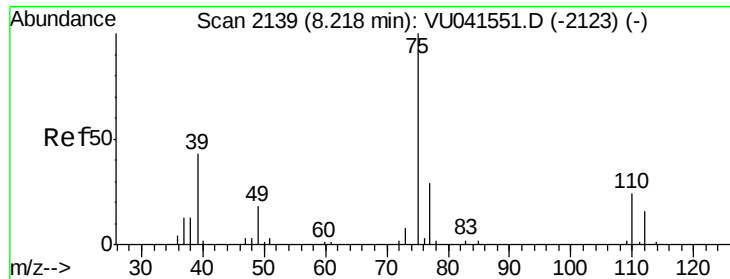
300

200

100

0

Time--> 7.54 7.56 7.58 7.60



#44

trans-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 8.19 min Scan# 2131

Delta R.T. -0.03 min

Lab File: VU041561.D

Acq: 11 Dec 2020 01:53

Instrument :

MSVOA_U

ClientSampled :

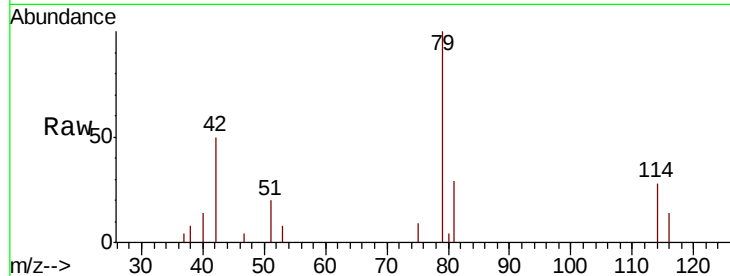
GB1H2

Tot Ion: 75 Resp: 271

Ion Ratio Lower Upper

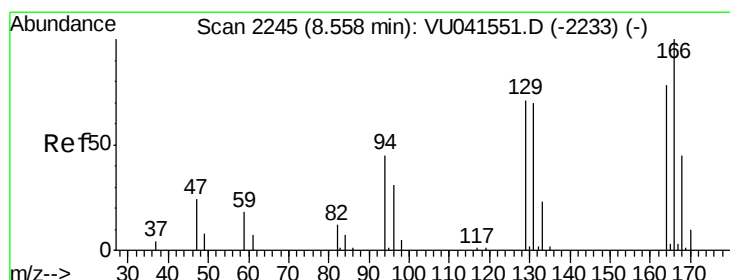
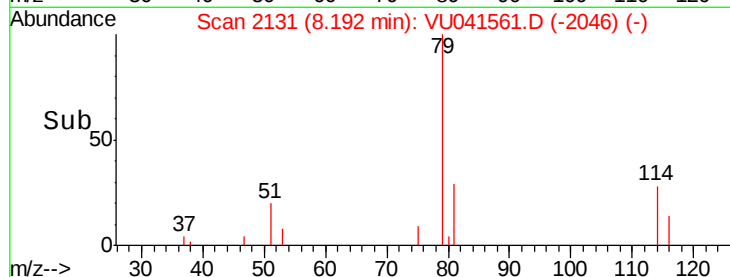
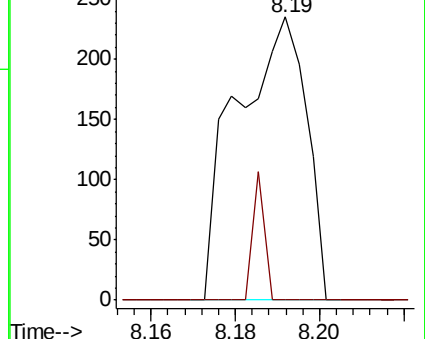
75 100

77 0.0 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 0.257 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041561.D

Acq: 11 Dec 2020 01:53

Tgt Ion:164 Resp: 549

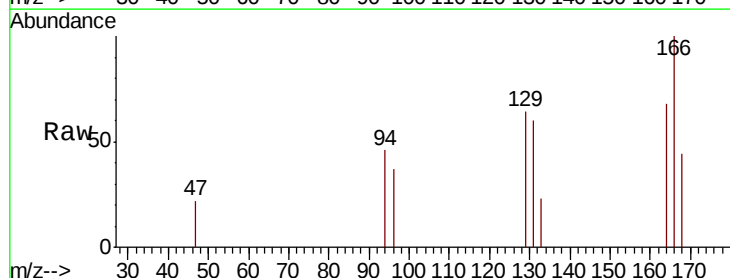
Ion Ratio Lower Upper

164 100

129 94.4 67.1 124.7

131 89.1 63.3 117.7

166 147.9 88.8 164.8

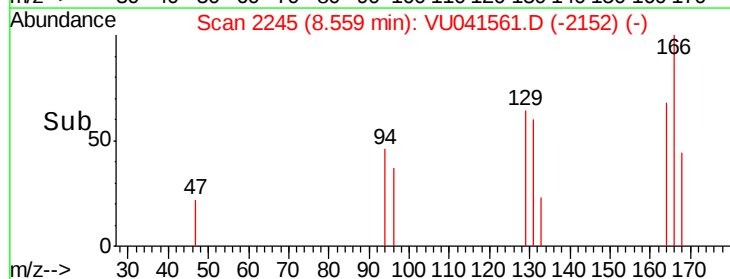
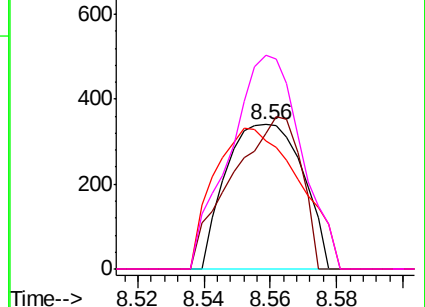


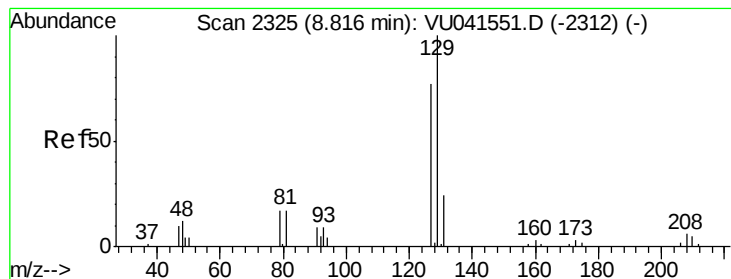
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.187 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU041561.D

Acq: 11 Dec 2020 01:53

Instrument :

MSVOA_U

ClientSampleId :

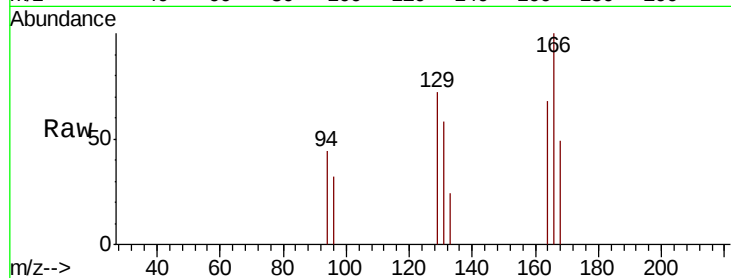
GB1H2

Tot Ion:129 Resp: 516

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

400

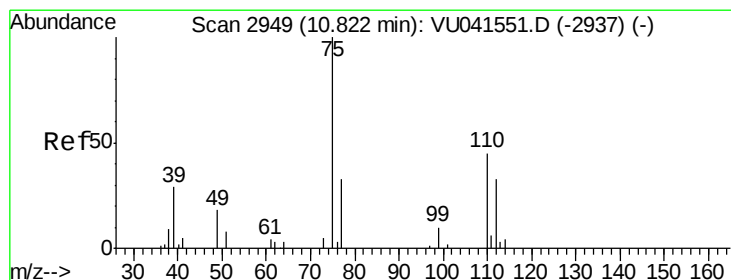
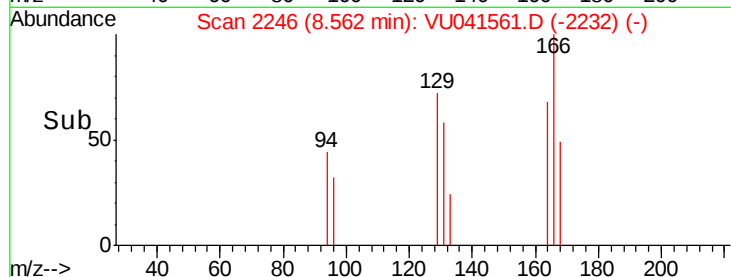
300

200

100

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.830 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041561.D

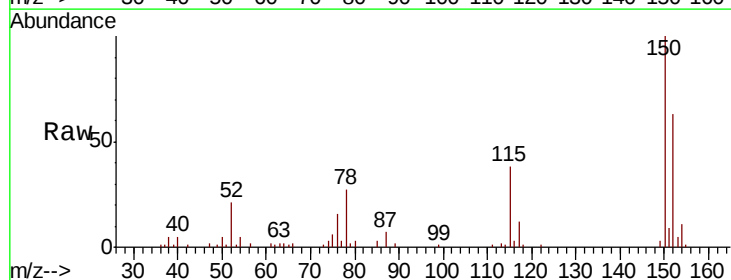
Acq: 11 Dec 2020 01:53

Tgt Ion: 75 Resp: 1691

Ion Ratio Lower Upper

75 100

77 51.4 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

1000

500

0

Time-->

