

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101720\
 Data File : VU040777.D
 Acq On : 17 Oct 2020 21:37
 Operator : SY/MD
 Sample : L4423-05
 Misc : 25.4mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 03:10:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 03:08:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115757	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123829	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49775	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31721	3.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.20%
7) Chloroethane-d5	1.93	69	31970	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.58	63	55422	2.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.20%#
20) 2-Butanone-d5	4.66	46	172413	56.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.34%
24) Chloroform-d	5.08	84	83204	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.72	65	51927	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.75	84	143292	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.70	67	50955	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.91	98	108357	3.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.40%
43) trans-1,3-Dichloropropene-	8.19	79	19514	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.64	63	117672	48.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.24%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48340	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	46650	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

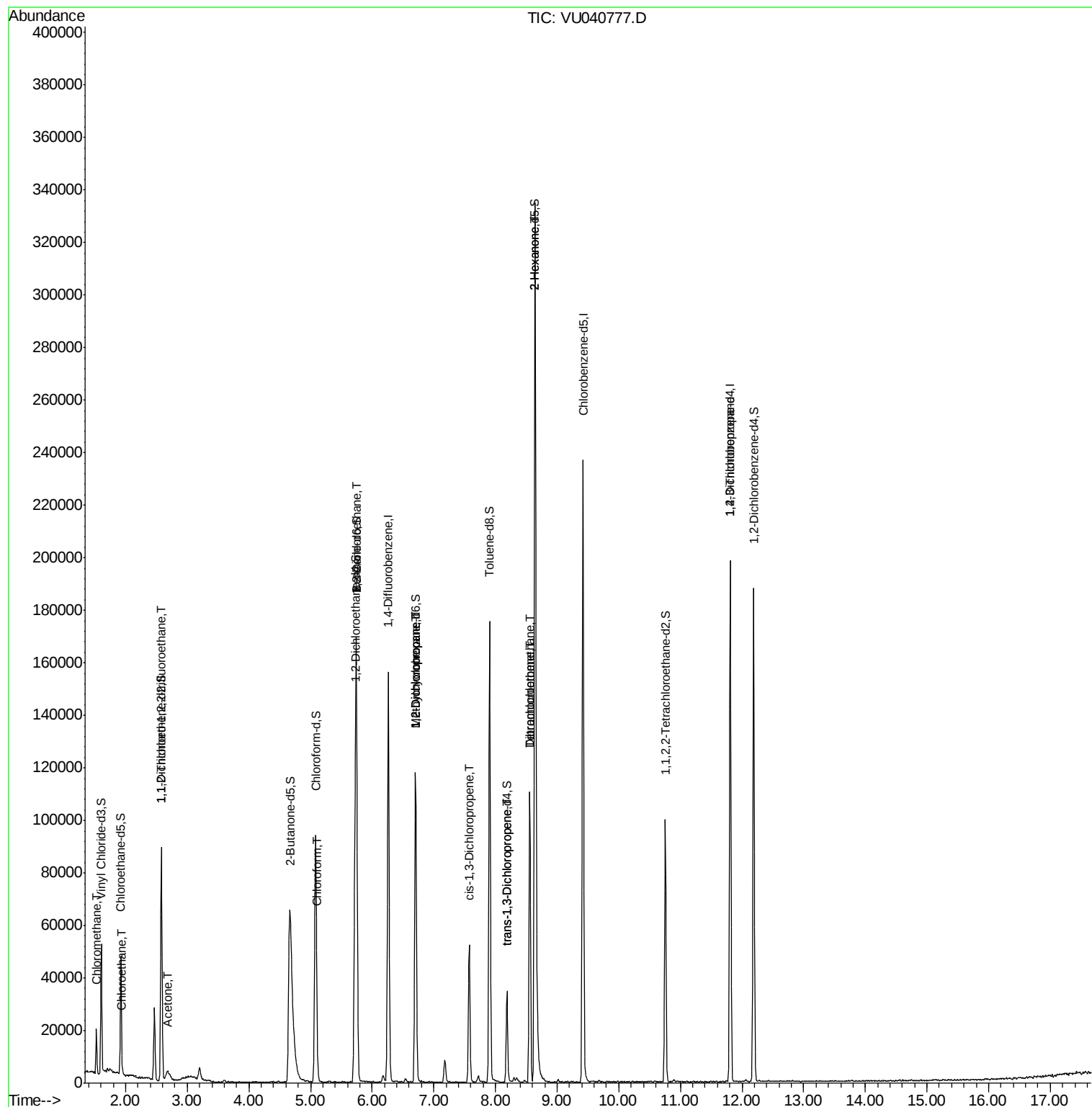
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	12042	1.228	ug/L	100
8) Chloroethane	1.95	64	867	0.132	ug/L #	65
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	478	0.050	ug/L #	20
13) Acetone	2.67	43	5447	2.289	ug/L	97
25) Chloroform	5.11	83	2011	0.110	ug/L	78
27) 1,2-Dichloroethane	5.75	62	1047	0.081	ug/L #	77
35) Methylcyclohexane	6.70	83	12229	0.836	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	6171	0.557	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1235	0.082	ug/L #	47
44) trans-1,3-Dichloropropene	8.18	75	1089	0.078	ug/L #	79
47) Tetrachloroethene	8.56	164	24038	3.267	ug/L	95
48) 2-Hexanone	8.64	43	19116	2.905	ug/L #	72
49) Dibromochloromethane	8.56	129	22993	2.407	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	7100	0.872	ug/L	95

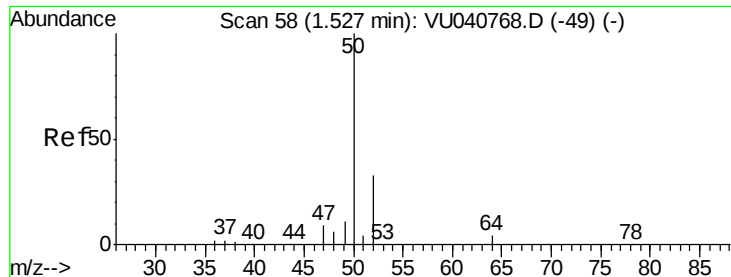
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.228 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040777.D

Acq: 17 Oct 2020 21:37

Instrument :

MSVOA_U

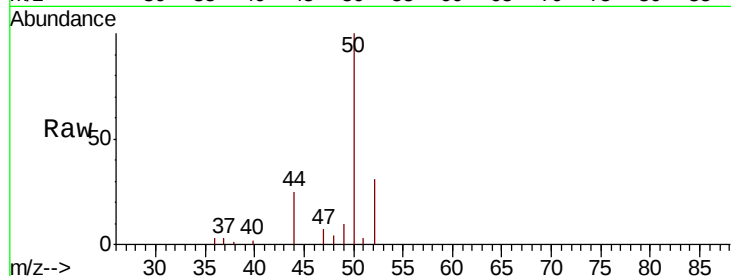
ClientSampled :

Tot Ion: 50 Resp: 12042

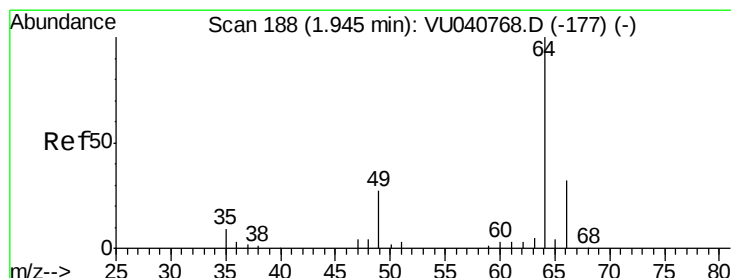
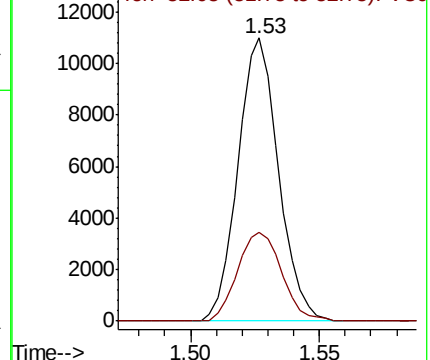
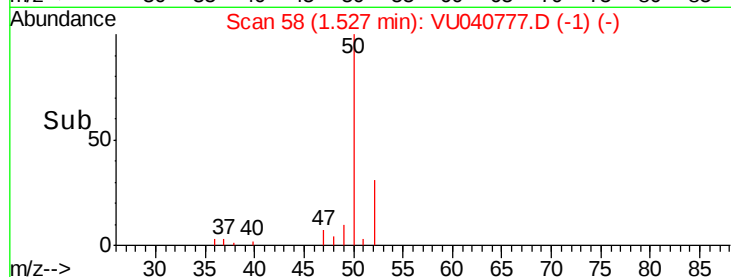
Ion Ratio Lower Upper

50 100

52 31.3 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040777.D (-1) (-)



#8

Chloroethane

Concen: 0.132 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU040777.D

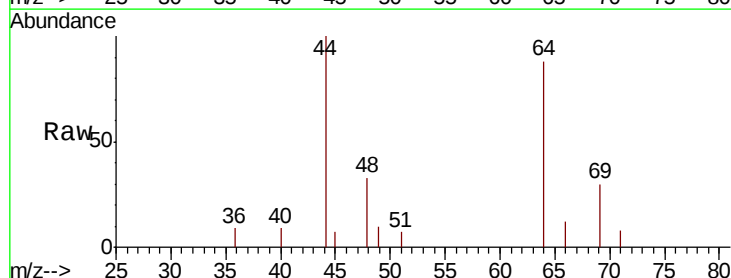
Acq: 17 Oct 2020 21:37

Tgt Ion: 64 Resp: 867

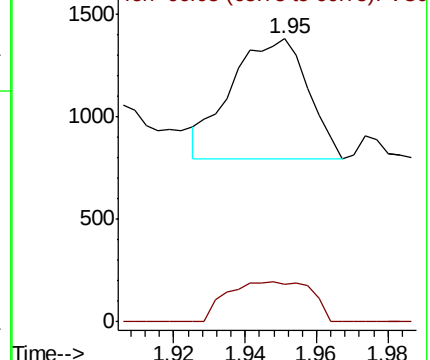
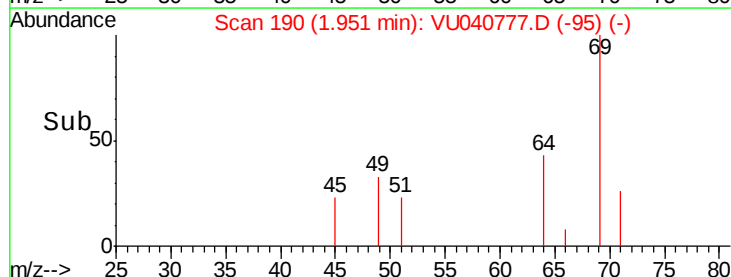
Ion Ratio Lower Upper

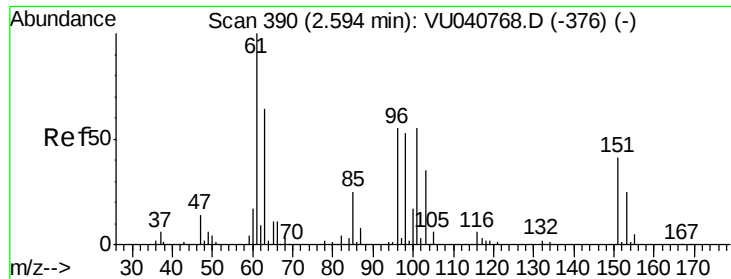
64 100

66 13.3 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040777.D (-95) (-)





#10

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

Concen: 0.050 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040777.D

Acq: 17 Oct 2020 21:37

Instrument :

MSVOA_U

ClientSampled :

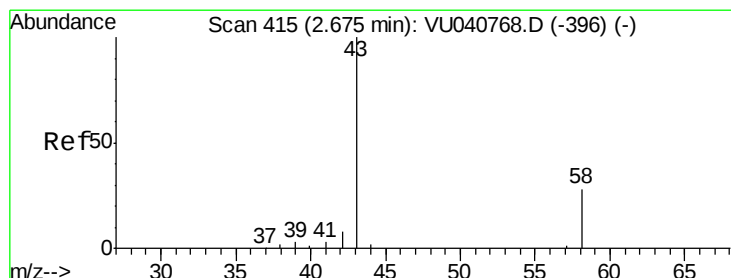
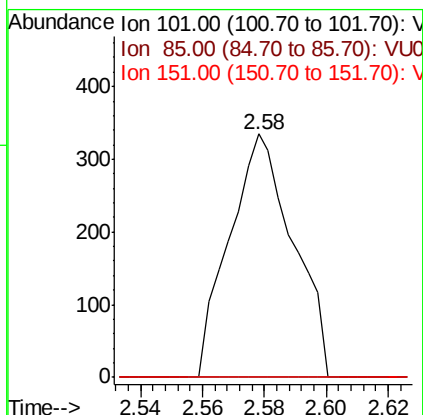
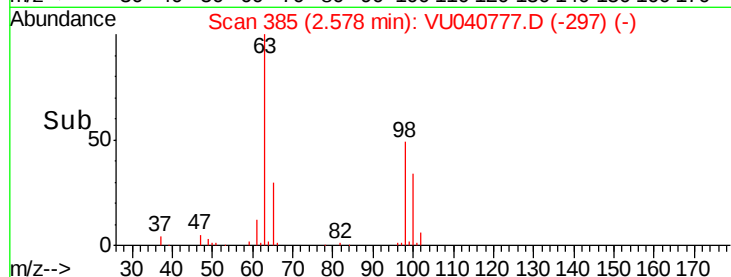
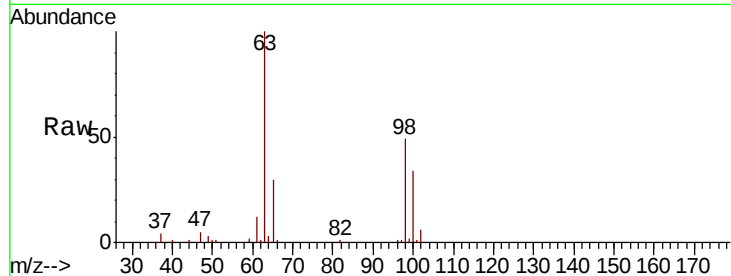
Tot Ion:101 Resp: 478

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



#13

Acetone

Concen: 2.289 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU040777.D

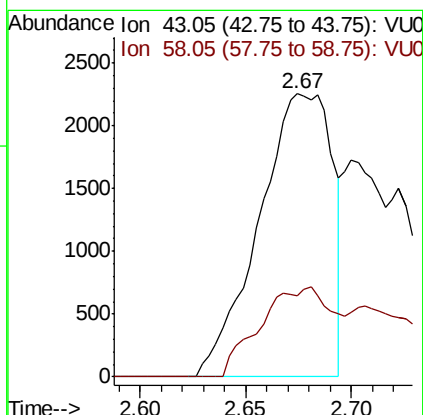
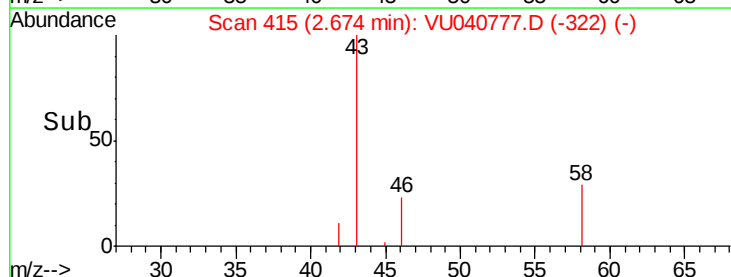
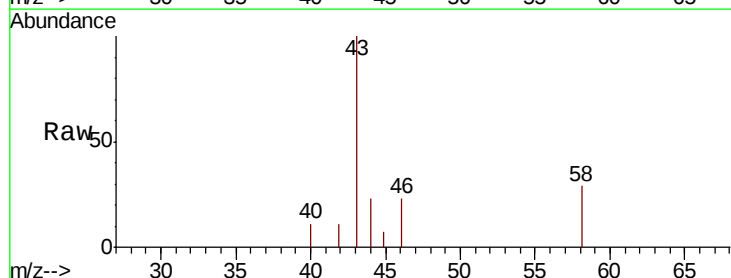
Acq: 17 Oct 2020 21:37

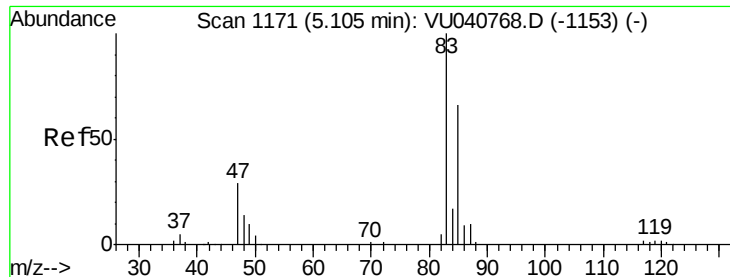
Tgt Ion: 43 Resp: 5447

Ion Ratio Lower Upper

43 100

58 32.1 0.0 60.6

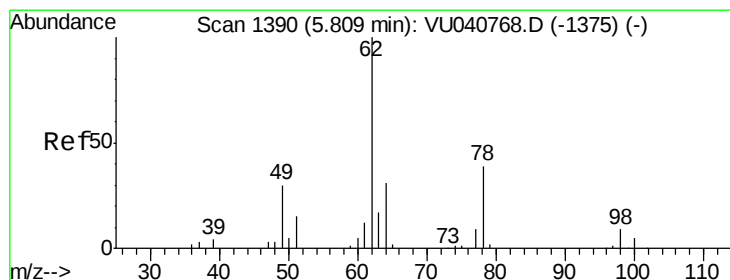
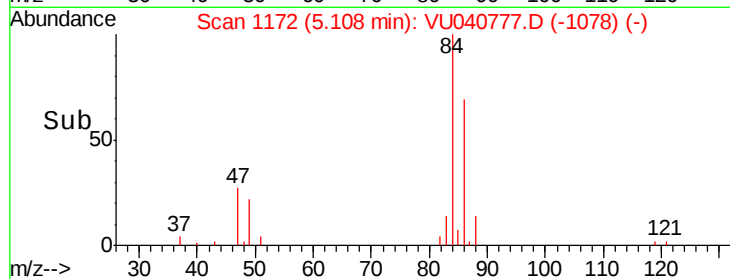
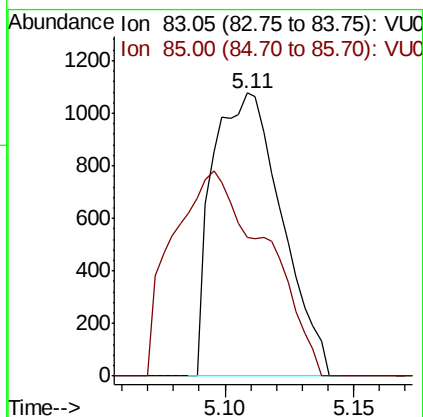
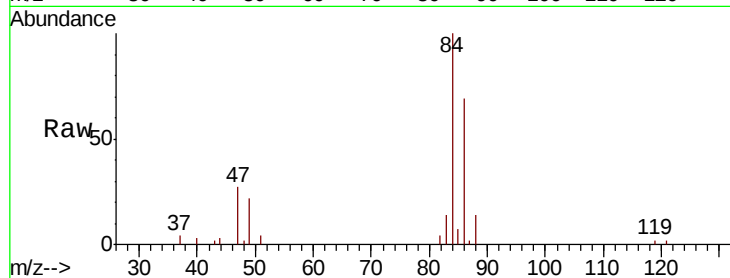




#25
Chloroform
Concen: 0.110 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040777.D
Acq: 17 Oct 2020 21:37

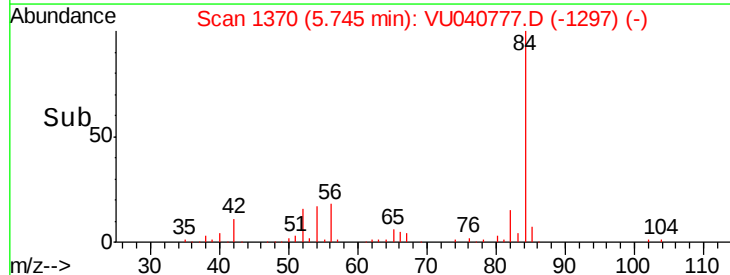
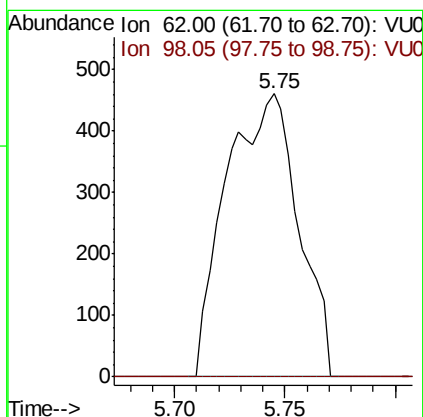
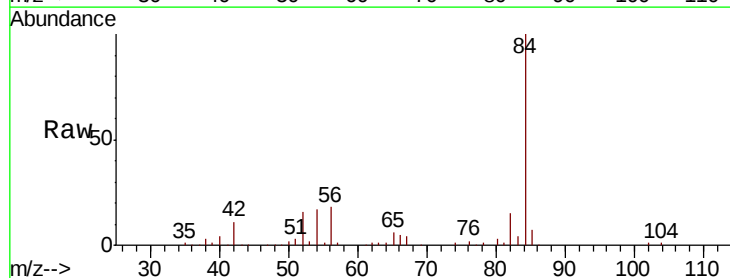
Instrument :
MSVOA_U
ClientSampleId :

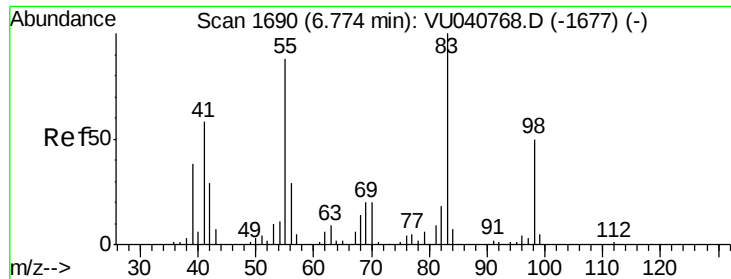
Tot Ion: 83 Resp: 2011
Ion Ratio Lower Upper
83 100
85 49.0 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.081 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU040777.D
Acq: 17 Oct 2020 21:37

Tgt Ion: 62 Resp: 1047
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

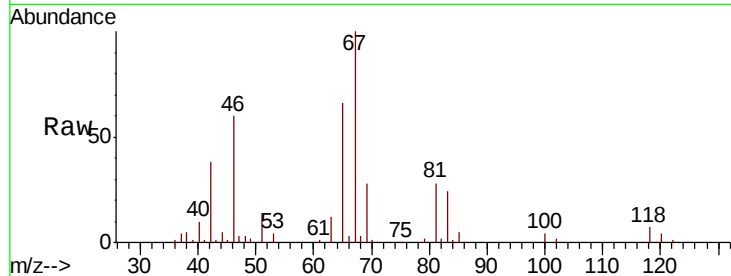




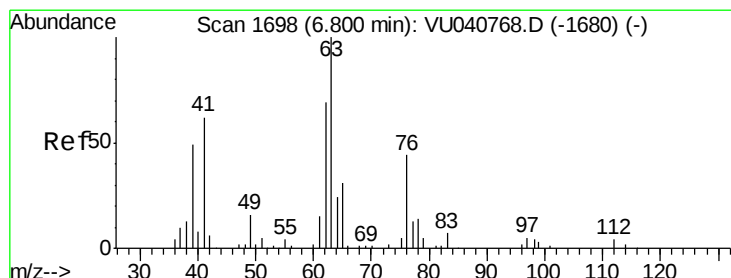
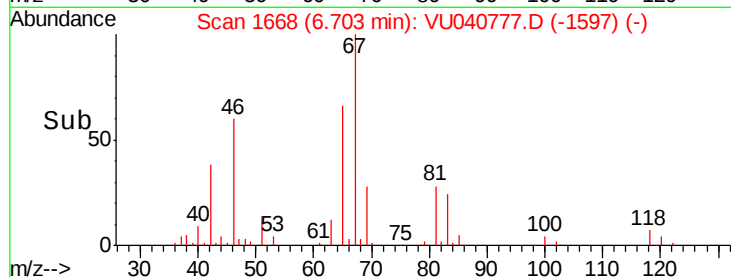
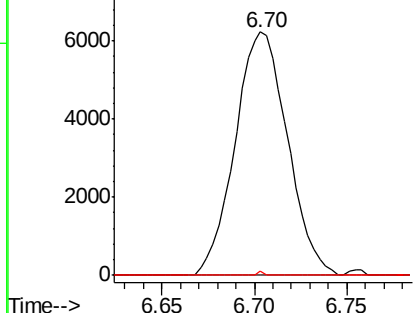
#35
Methvlcvclohexane
Concen: 0.836 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040777.D
Acq: 17 Oct 2020 21:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 12229
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.2 38.4 57.6#

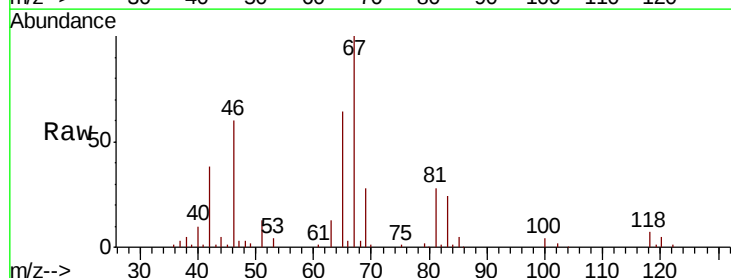


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

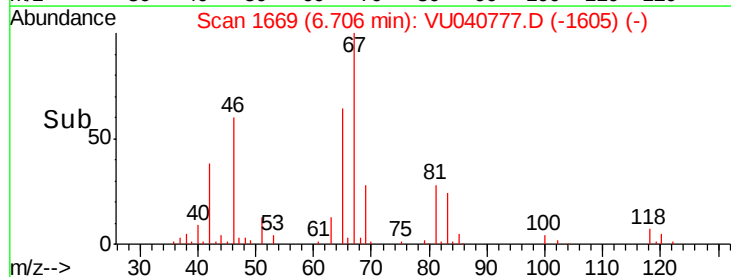
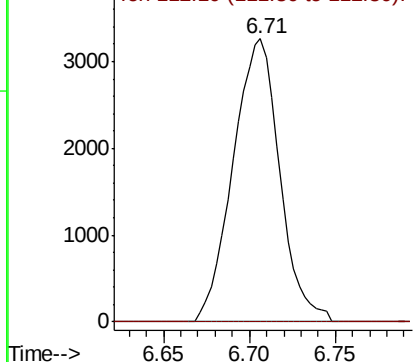


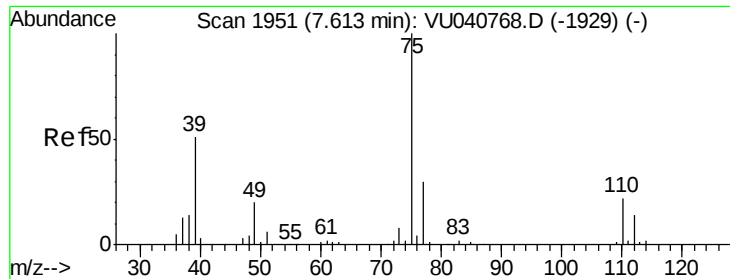
#37
1,2-Dichloropropane
Concen: 0.557 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU040777.D
Acq: 17 Oct 2020 21:37

Tgt Ion: 63 Resp: 6171
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

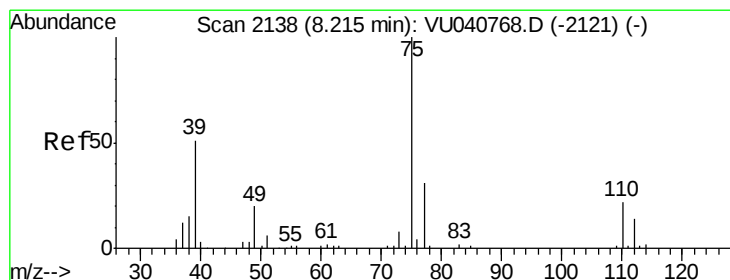
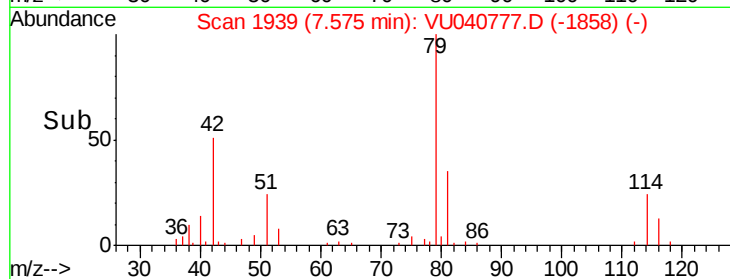
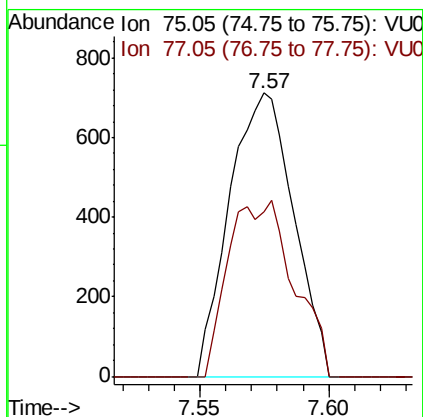
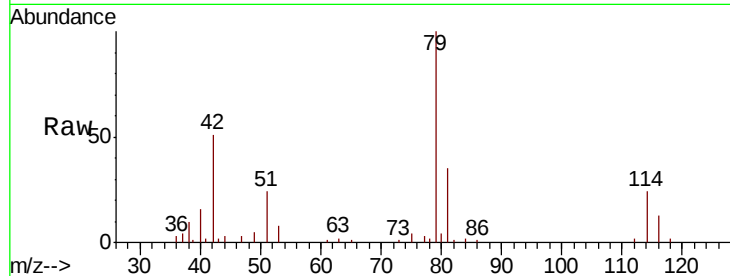




#39
 cis-1,3-Dichloropropene
 Concen: 0.082 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040777.D
 Acq: 17 Oct 2020 21:37

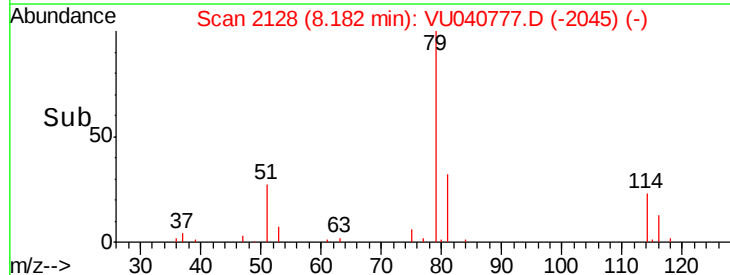
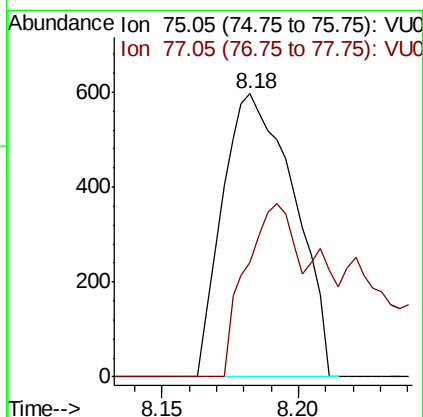
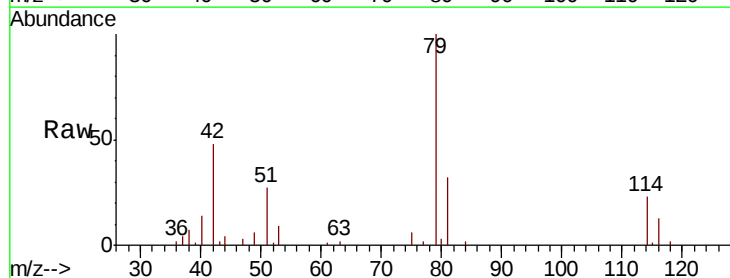
Instrument :
 MSVOA_U
 ClientSampleId :

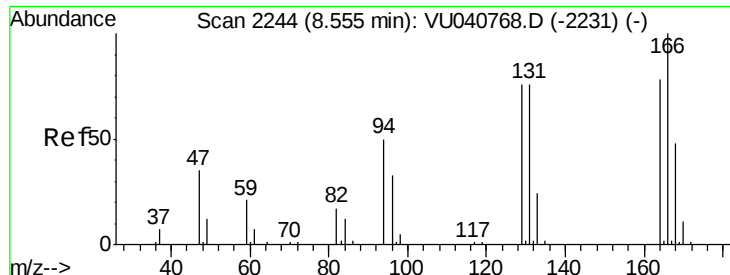
Tot Ion: 75 Resp: 1235
 Ion Ratio Lower Upper
 75 100
 77 57.9 20.5 38.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU040777.D
 Acq: 17 Oct 2020 21:37

Tgt Ion: 75 Resp: 1089
 Ion Ratio Lower Upper
 75 100
 77 40.5 20.4 38.0#





#47

Tetrachloroethene

Concen: 3.267 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040777.D

Acq: 17 Oct 2020 21:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 24038

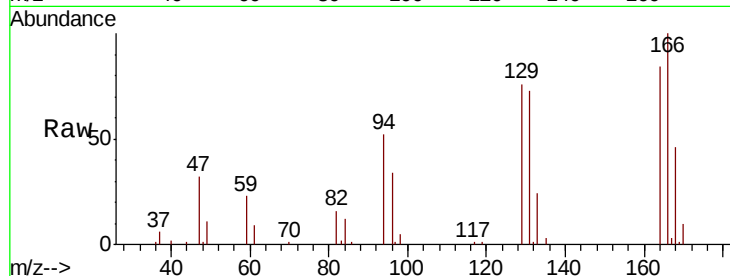
Ion Ratio Lower Upper

164 100

129 91.3 68.8 127.8

131 87.9 66.7 123.9

166 119.6 83.9 155.7

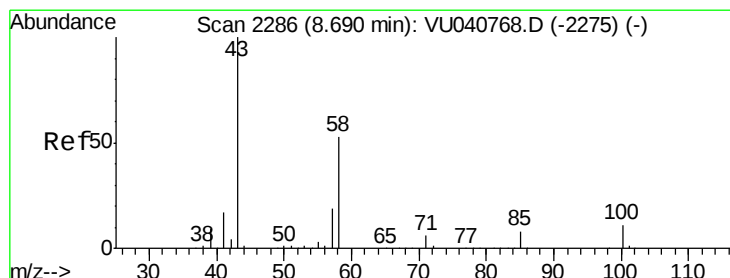
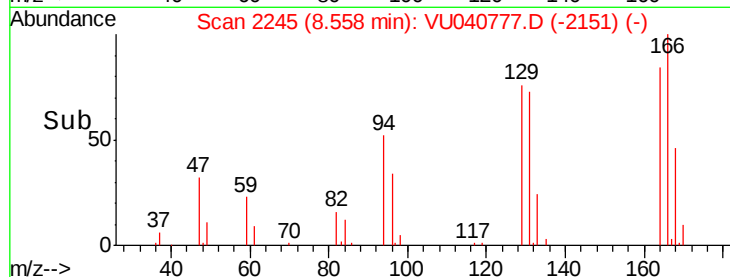
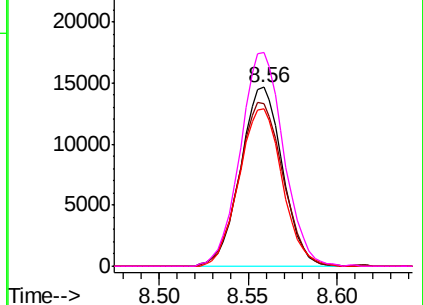


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.905 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040777.D

Acq: 17 Oct 2020 21:37

Tgt Ion: 43 Resp: 19116

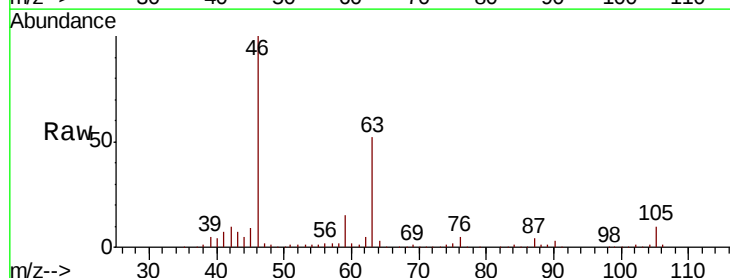
Ion Ratio Lower Upper

43 100

58 29.4 41.0 61.6#

57 27.0 14.4 21.6#

100 1.4 8.6 13.0#

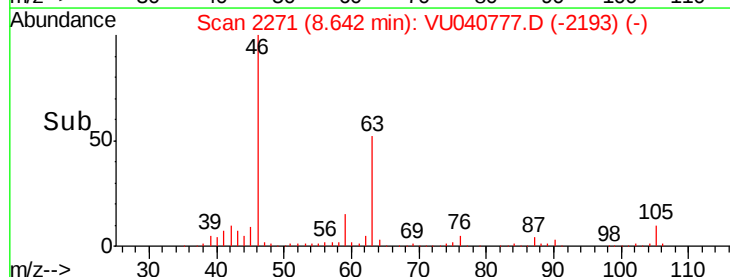
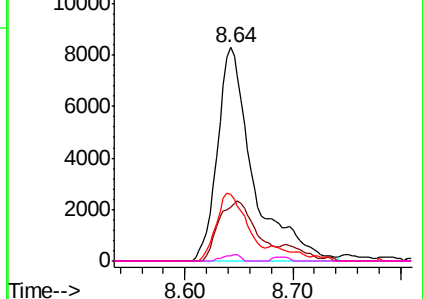


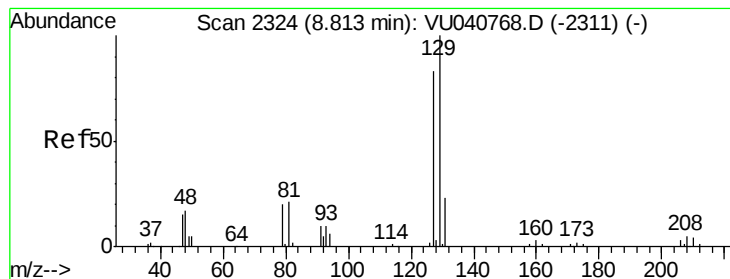
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 2.407 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040777.D

Acq: 17 Oct 2020 21:37

Instrument :

MSVOA_U

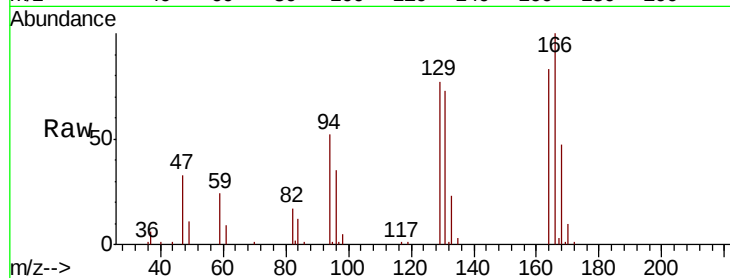
ClientSampleId :

Tot Ion:129 Resp: 22993

Ion Ratio Lower Upper

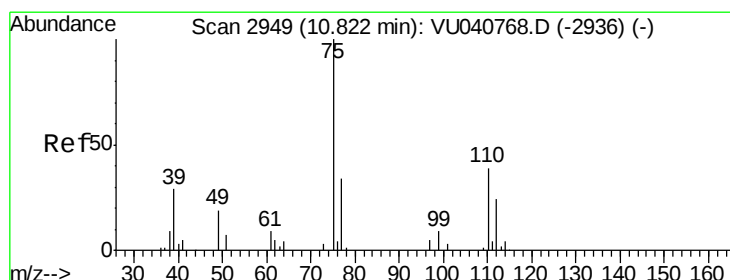
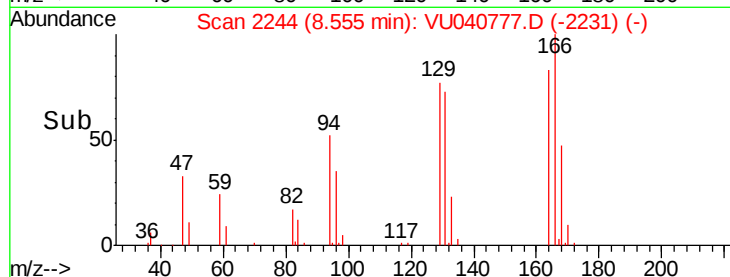
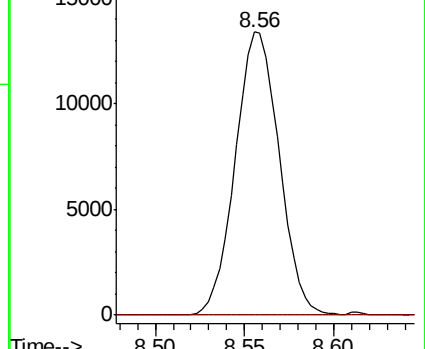
129 100

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



#59

1,2,3-Trichloropropane

Concen: 0.872 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040777.D

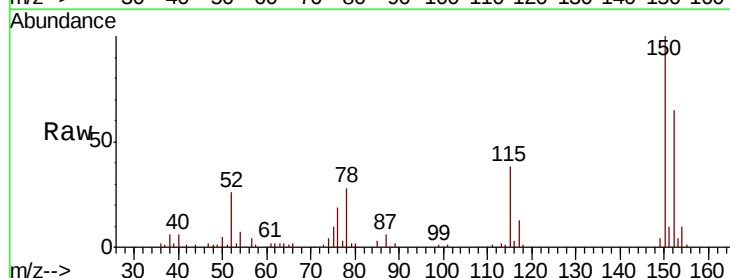
Acq: 17 Oct 2020 21:37

Tgt Ion: 75 Resp: 7100

Ion Ratio Lower Upper

75 100

77 35.8 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

