

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040596.D
 Acq On : 09 Oct 2020 19:57
 Operator : SY/MD
 Sample : L4349-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSE0

Quant Time: Oct 10 04:23:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 04:13:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	156978	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	159671	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	67868	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	53930	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.92	69	43651	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.58	63	79272	3.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.40%
20) 2-Butanone-d5	4.66	46	203379	48.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.72%
24) Chloroform-d	5.08	84	102154	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.72	65	62352	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.75	84	189393	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.70	67	63850	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.91	98	155925	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	8.19	79	26235	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.64	63	145275	46.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.10%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	57065	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	64718	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

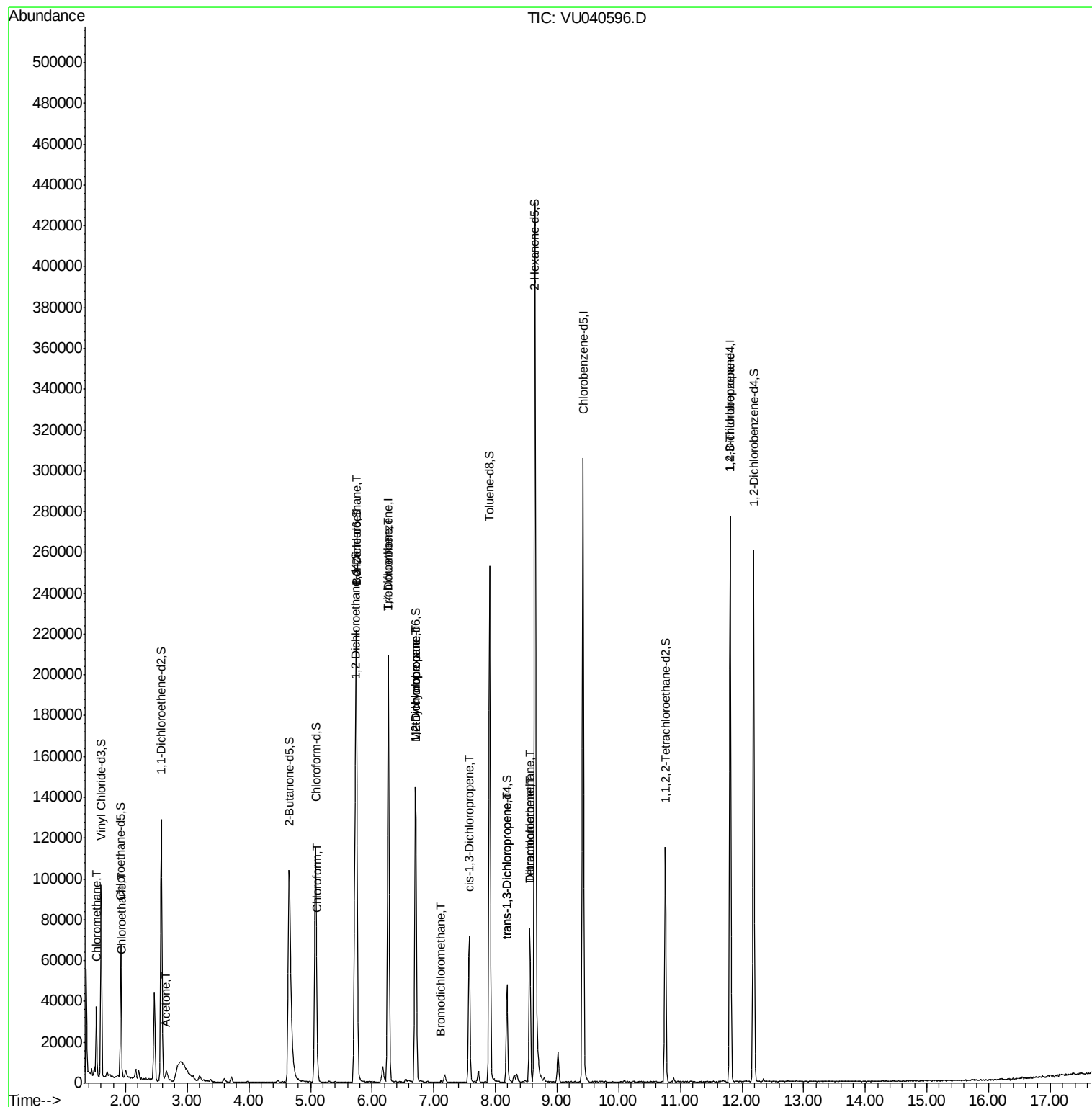
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	22238	1.672	ug/L	92
8) Chloroethane	1.94	64	1028	0.115	ug/L	88
13) Acetone	2.66	43	10697	3.315	ug/L	90
25) Chloroform	5.11	83	4794	0.194	ug/L	99
27) 1,2-Dichloroethane	5.75	62	584	0.033	ug/L #	77
34) Trichloroethene	6.26	95	2870	0.216	ug/L #	5
35) Methylcyclohexane	6.70	83	15161	0.804	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	7476	0.523	ug/L #	87
38) Bromodichloromethane	7.11	83	609	0.033	ug/L #	63
39) cis-1,3-Dichloropropene	7.57	75	1708	0.087	ug/L #	47
44) trans-1,3-Dichloropropene	8.19	75	1264	0.070	ug/L #	49
47) Tetrachloroethene	8.56	164	15637	1.648	ug/L	95
49) Dibromochloromethane	8.56	129	15842	1.286	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	8986	0.856	ug/L	89

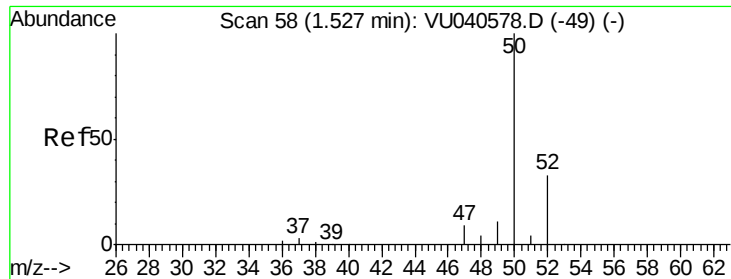
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
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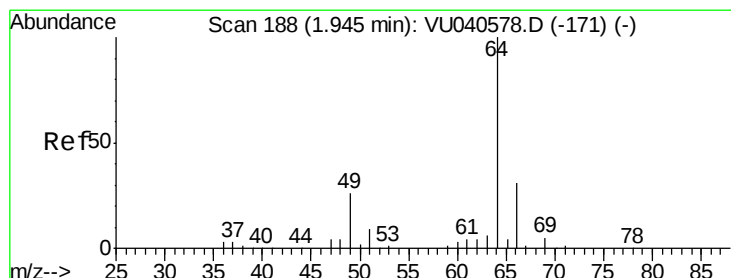
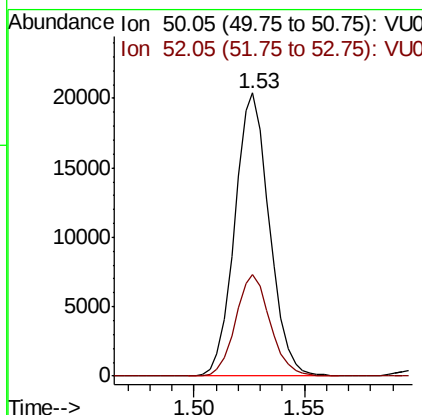
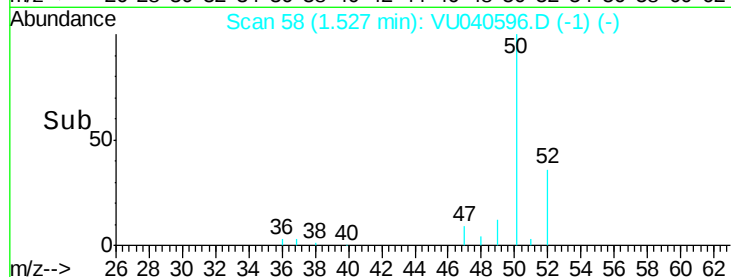
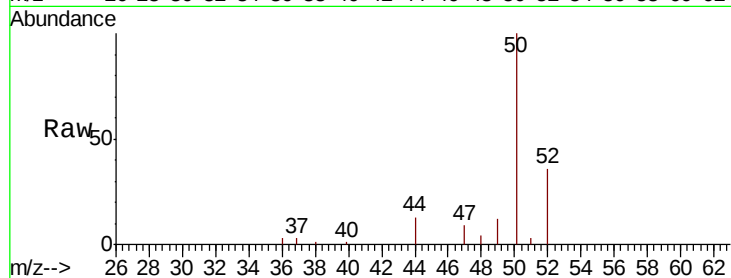




#3
 Chloromethane
 Concen: 1.672 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. -0.00 min
 Lab File: VU040596.D
 Acq: 09 Oct 2020 19:57

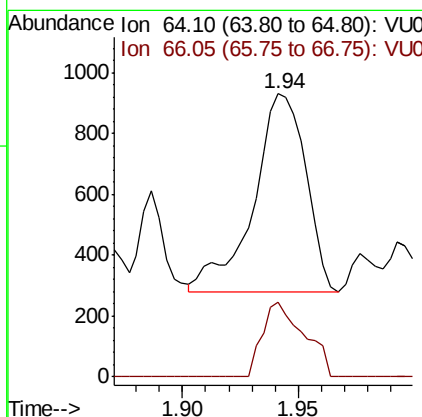
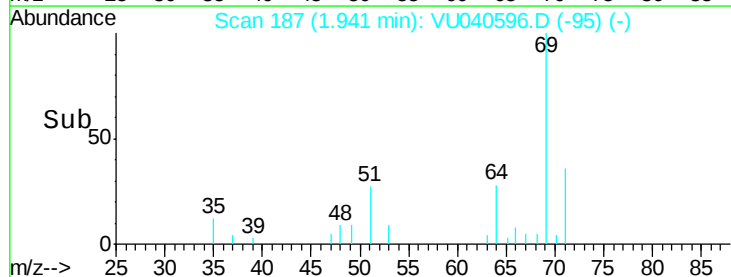
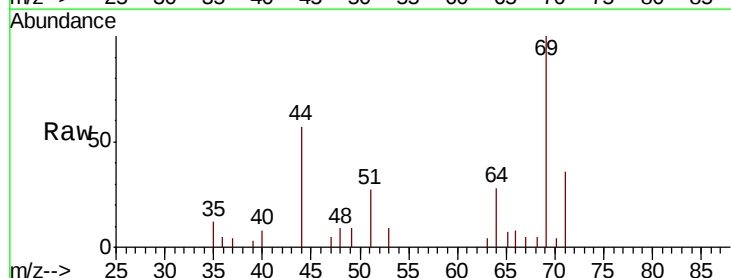
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSE0

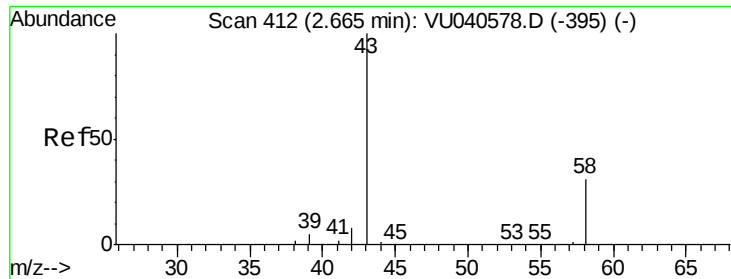
Tot Ion: 50 Resp: 22238
 Ion Ratio Lower Upper
 50 100
 52 35.7 21.9 40.7



#8
 Chloroethane
 Concen: 0.115 ug/L
 RT: 1.94 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VU040596.D
 Acq: 09 Oct 2020 19:57

Tgt Ion: 64 Resp: 1028
 Ion Ratio Lower Upper
 64 100
 66 26.6 23.3 43.3

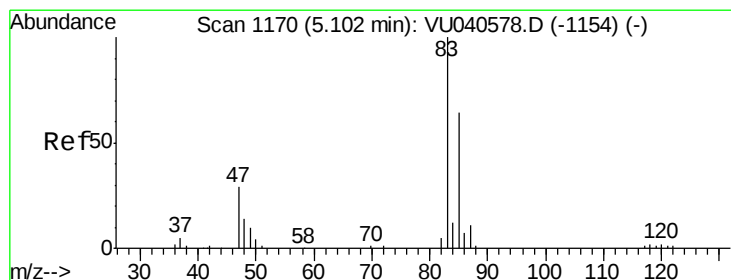
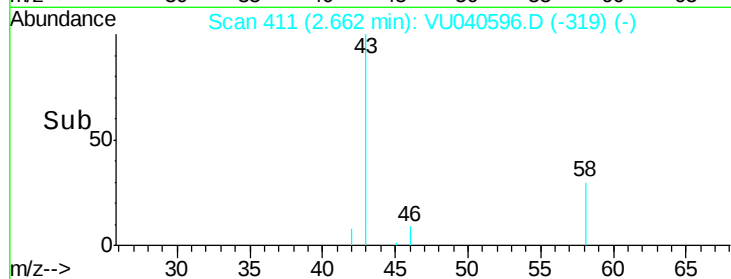
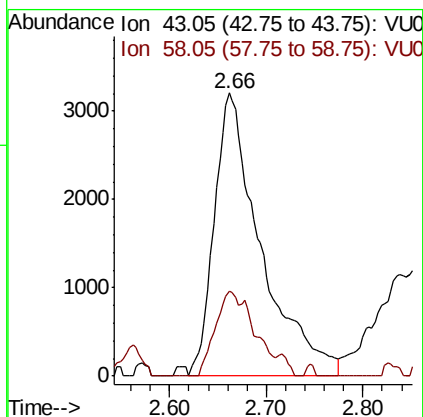
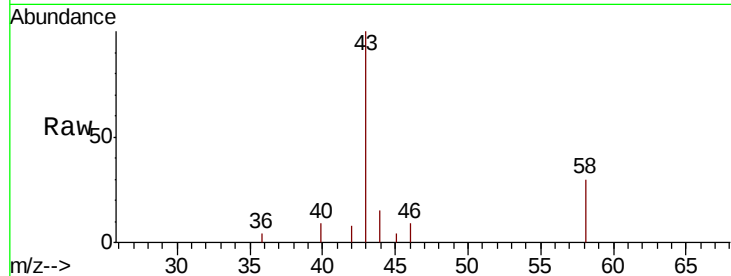




#13
Acetone
Concen: 3.315 ug/L
RT: 2.66 min Scan# 411
Delta R.T. -0.00 min
Lab File: VU040596.D
Acq: 09 Oct 2020 19:57

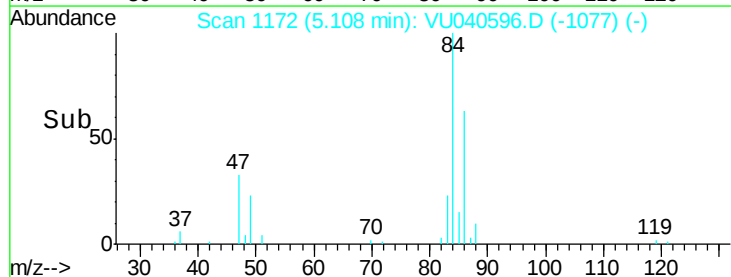
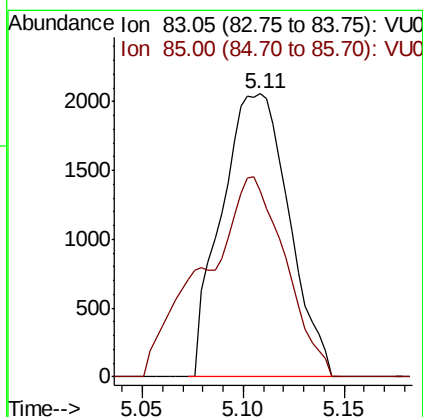
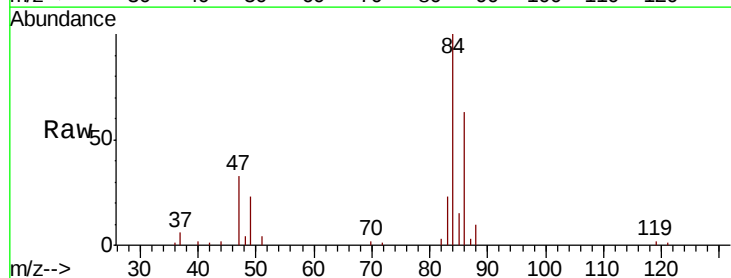
Instrument :
MSVOA_U
ClientSampleId :
BFSE0

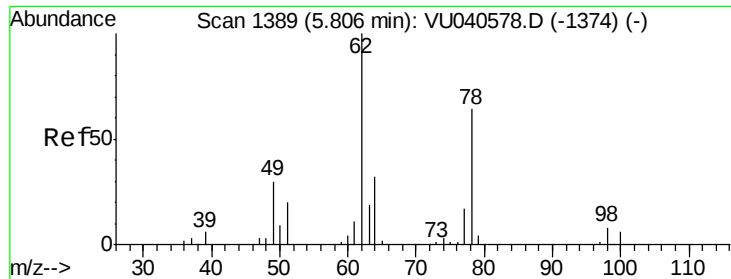
Tot Ion: 43 Resp: 10697
Ion Ratio Lower Upper
43 100
58 25.1 0.0 60.6



#25
Chloroform
Concen: 0.194 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040596.D
Acq: 09 Oct 2020 19:57

Tgt Ion: 83 Resp: 4794
Ion Ratio Lower Upper
83 100
85 65.8 46.5 86.5





#27

1,2-Dichloroethane

Concen: 0.033 ug/L

RT: 5.75 min Scan# 1371

Delta R.T. -0.06 min

Lab File: VU040596.D

Acq: 09 Oct 2020 19:57

Instrument :

MSVOA_U

ClientSampleId :

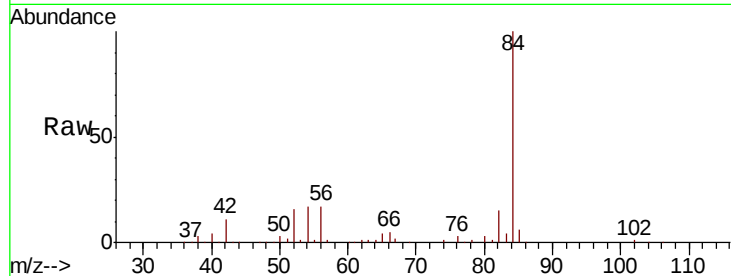
BFSE0

Tot Ion: 62 Resp: 584

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

800

600

400

200

0

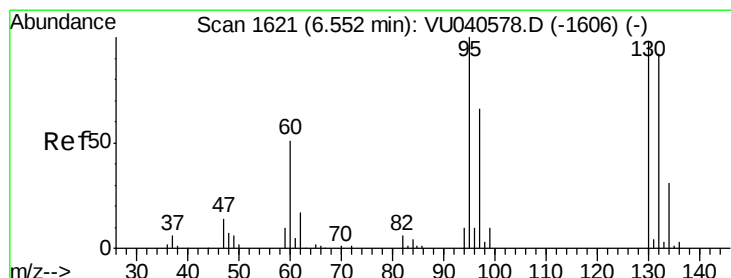
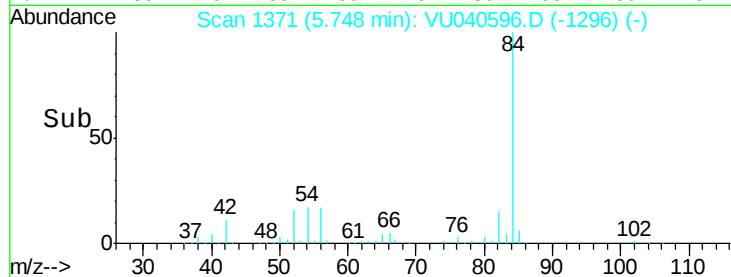
5.74

5.75

5.76

5.78

Time-->



#34

Trichloroethene

Concen: 0.216 ug/L

RT: 6.26 min Scan# 1531

Delta R.T. -0.29 min

Lab File: VU040596.D

Acq: 09 Oct 2020 19:57

Tgt Ion: 95 Resp: 2870

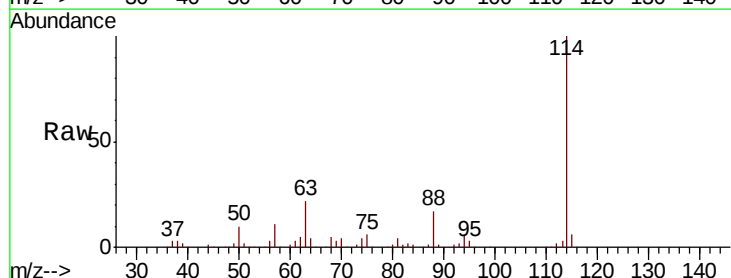
Ion Ratio Lower Upper

95 100

97 0.0 45.5 84.5#

132 0.0 67.5 125.4#

130 0.0 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

4000

3000

2000

1000

0

6.24

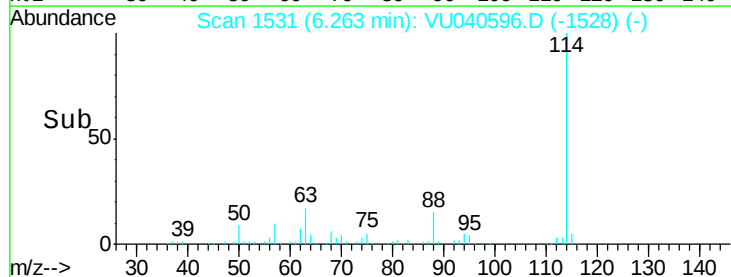
6.26

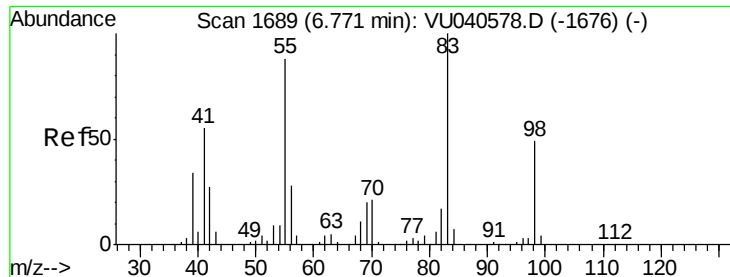
6.28

6.30

6.32

Time-->

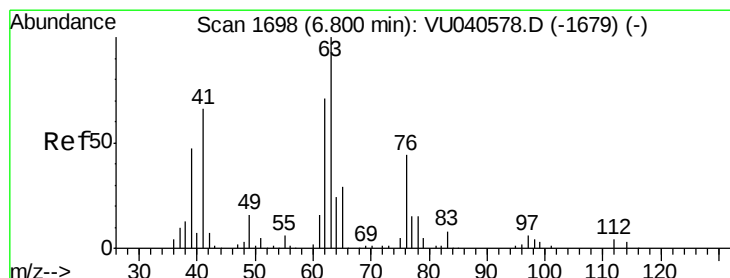
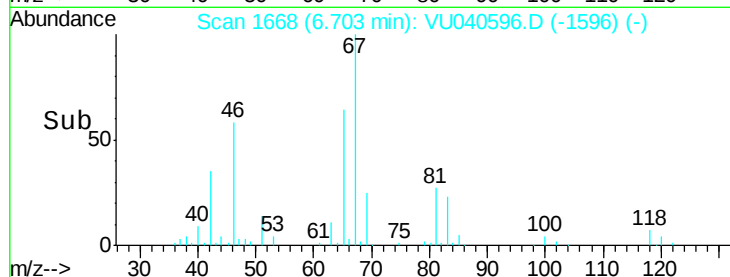
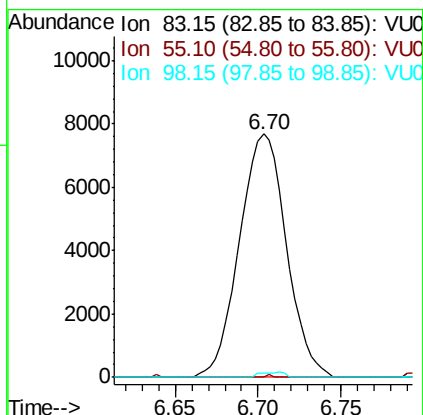
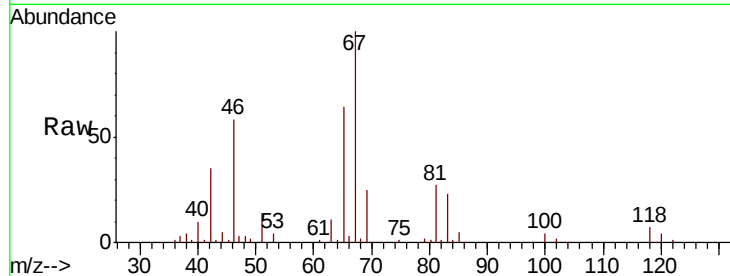




#35
Methvlcvclohexane
Concen: 0.804 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040596.D
Acq: 09 Oct 2020 19:57

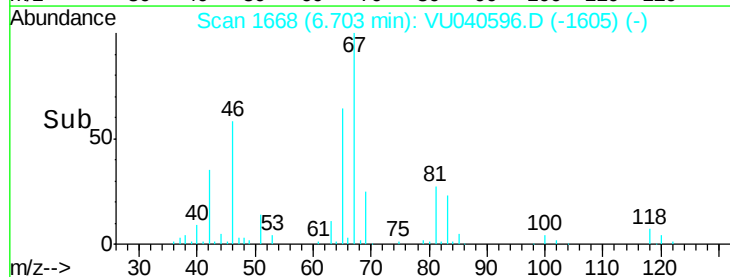
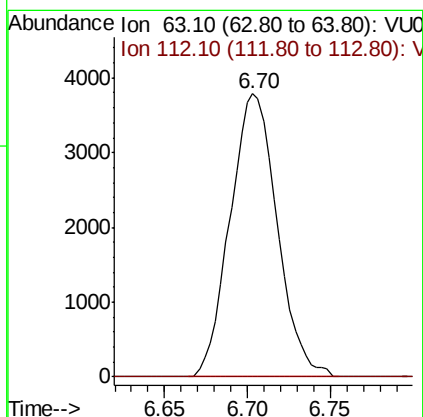
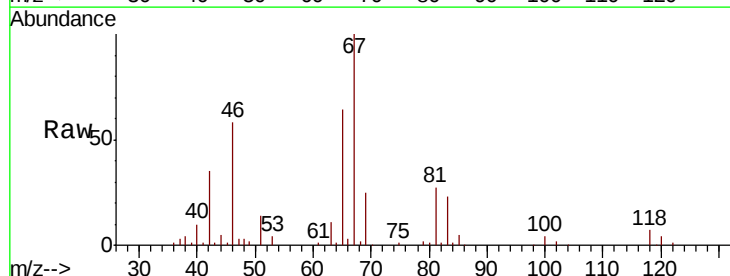
Instrument :
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ClientSampleId :
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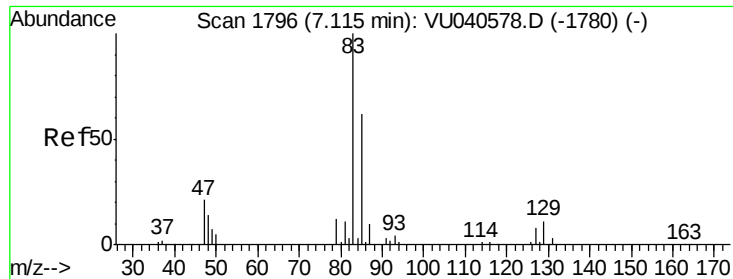
Tot Ion: 83 Resp: 15161
Ion Ratio Lower Upper
83 100
55 0.1 70.7 106.1#
98 1.1 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.523 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040596.D
Acq: 09 Oct 2020 19:57

Tgt Ion: 63 Resp: 7476
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

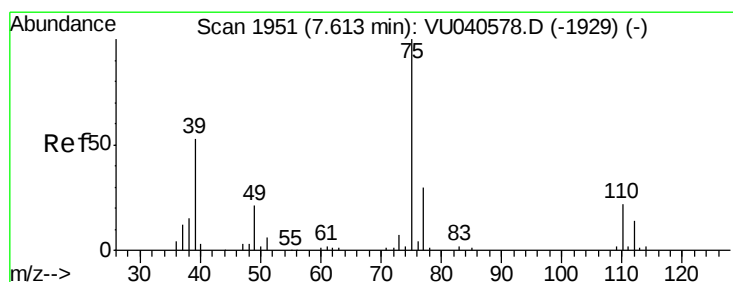
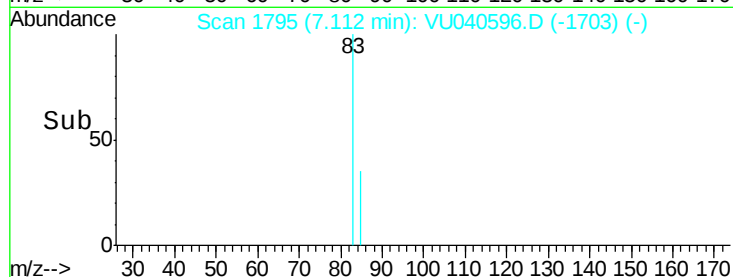
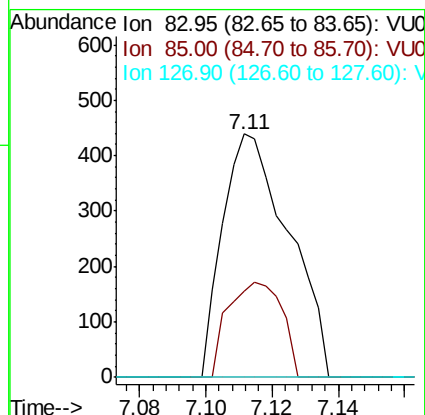
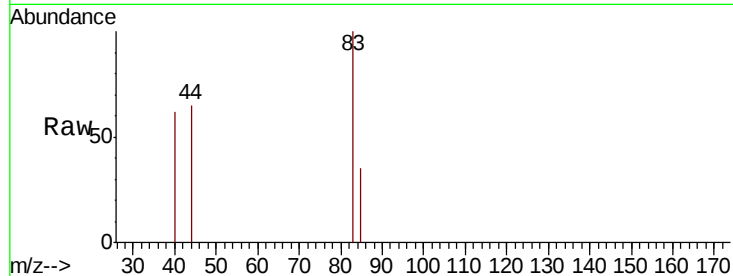




#38
Bromodichloromethane
Concen: 0.033 ug/L
RT: 7.11 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VU040596.D
Acq: 09 Oct 2020 19:57

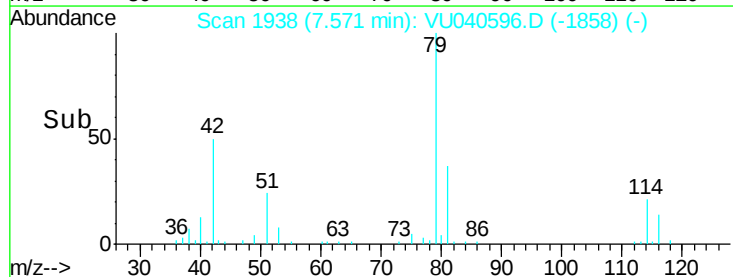
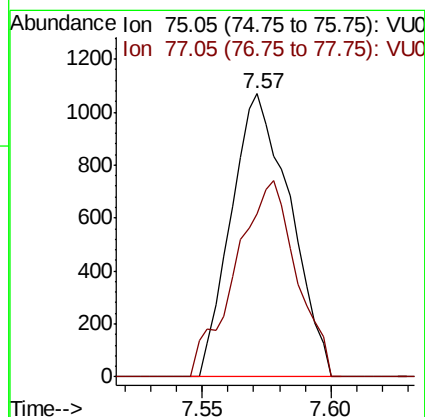
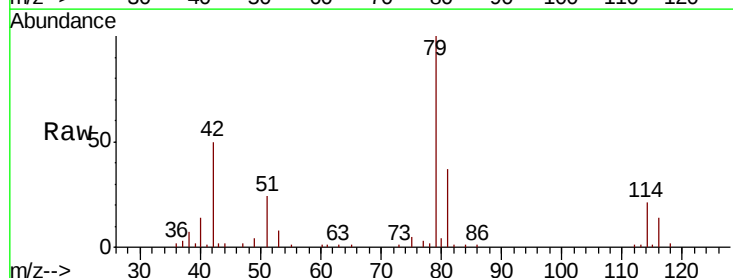
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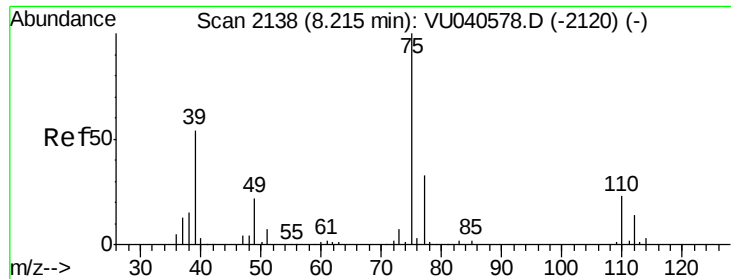
Tot Ion: 83 Resp: 609
Ion Ratio Lower Upper
83 100
85 35.3 46.0 85.4#
127 0.0 6.7 10.1#



#39
cis-1,3-Dichloropropene
Concen: 0.087 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.04 min
Lab File: VU040596.D
Acq: 09 Oct 2020 19:57

Tgt Ion: 75 Resp: 1708
Ion Ratio Lower Upper
75 100
77 57.5 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040596.D

Acq: 09 Oct 2020 19:57

Instrument :

MSVOA_U

ClientSampleId :

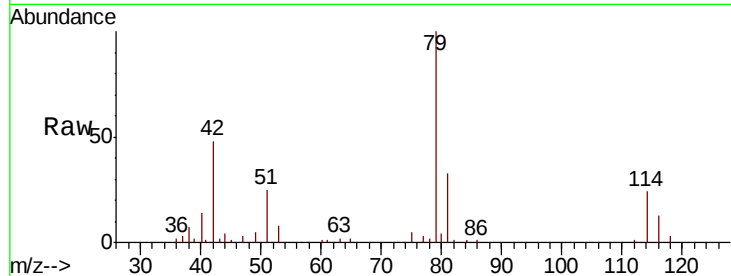
BFSE0

Tot Ion: 75 Resp: 1264

Ion Ratio Lower Upper

75 100

77 56.7 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU040578.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040578.D (-2120) (-)

8.19

8.20

8.21

8.22

8.23

8.24

8.25

8.26

8.27

8.28

8.29

8.30

8.31

8.32

8.33

8.34

8.35

8.36

8.37

8.38

8.39

8.40

8.41

8.42

8.43

8.44

8.45

8.46

8.47

8.48

8.49

8.50

8.51

8.52

8.53

8.54

8.55

8.56

8.57

8.58

8.59

8.60

8.61

8.62

8.63

8.64

8.65

8.66

8.67

8.68

8.69

8.70

8.71

8.72

8.73

8.74

8.75

8.76

8.77

8.78

8.79

8.80

8.81

8.82

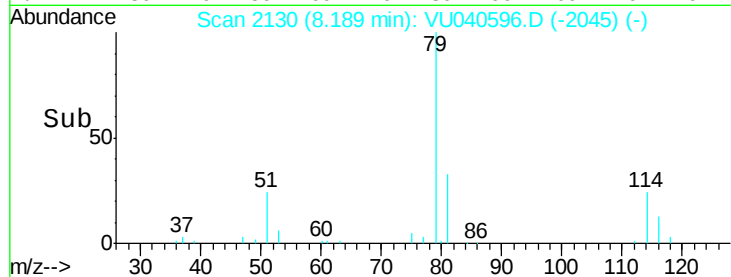
8.83

8.84

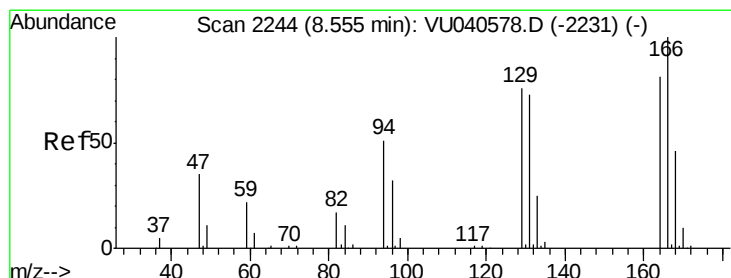
8.85

8.86

8.87



Time-->



#47

Tetrachloroethene

Concen: 1.648 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040596.D

Acq: 09 Oct 2020 19:57

Tgt Ion:164 Resp: 15637

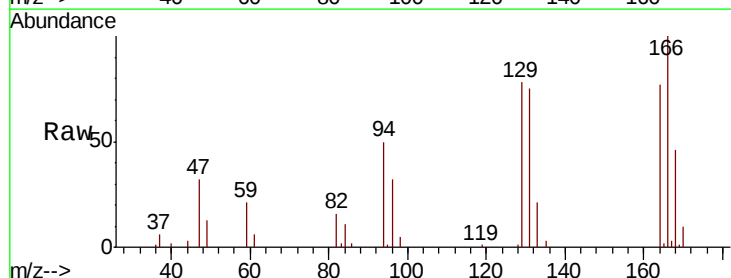
Ion Ratio Lower Upper

164 100

129 100.9 68.8 127.8

131 97.0 66.7 123.9

166 129.5 83.9 155.7



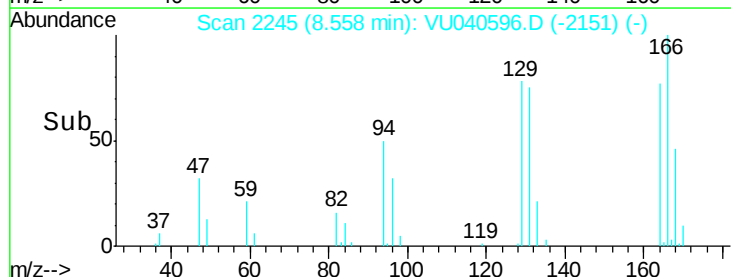
Abundance Ion 163.90 (163.60 to 164.60): VU040578.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU040578.D (-2231) (-)

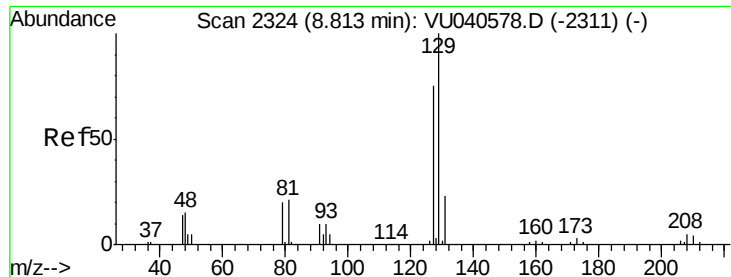
Ion 130.95 (130.65 to 131.65): VU040578.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU040578.D (-2231) (-)

8.56



Time-->



#49

Dibromochloromethane

Concen: 1.286 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040596.D

Acq: 09 Oct 2020 19:57

Instrument :

MSVOA_U

ClientSampleId :

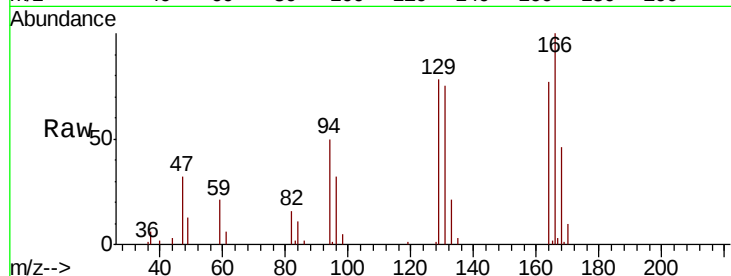
BFSE0

Tot Ion:129 Resp: 15842

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

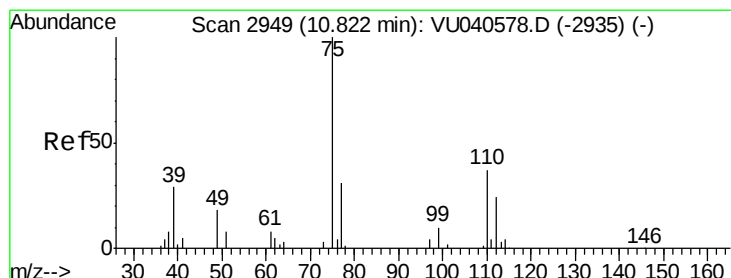
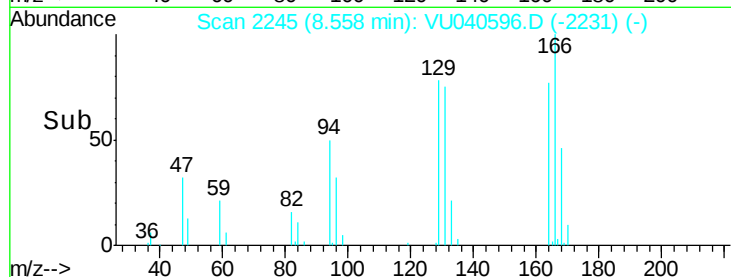
4000

2000

0

8.50 8.55 8.60

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.856 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040596.D

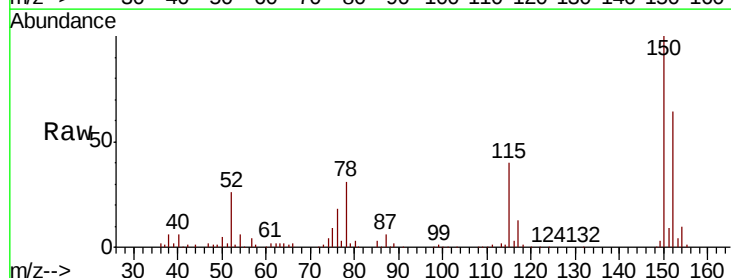
Acq: 09 Oct 2020 19:57

Tgt Ion: 75 Resp: 8986

Ion Ratio Lower Upper

75 100

77 39.3 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

6000

4000

2000

0

11.75 11.80 11.85

Time-->

