

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071720\
 Data File : VU039557.D
 Acq On : 17 Jul 2020 17:58
 Operator : SY/MD
 Sample : L3292-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT81

Quant Time: Jul 17 23:44:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 17 23:38:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	88456	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	90756	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	41752	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	19972	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	1.92	69	21136	4.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.60%
11) 1,1-Dichloroethene-d2	2.58	63	35837	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	4.66	46	97538	41.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.16%
24) Chloroform-d	5.08	84	45461	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
26) 1,2-Dichloroethane-d4	5.72	65	31422	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.74	84	91055	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
36) 1,2-Dichloropropane-d6	6.71	67	31853	4.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.00%
41) Toluene-d8	7.91	98	80613	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	8.19	79	12126	3.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.60%
46) 2-Hexanone-d5	8.64	63	69591	34.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.22%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	29789	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	33019	4.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.60%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1142	0.176 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3965	0.772 ug/L	93
12) 1,1-Dichloroethene	2.59	96	6830	1.298 ug/L #	16
13) Acetone	2.66	43	2272	1.794 ug/L	82
16) Methylene chloride	3.06	84	745	0.113 ug/L	89
19) 1,1-Dichloroethane	3.89	63	1260	0.111 ug/L #	84
22) cis-1,2-Dichloroethene	4.69	96	4433	0.679 ug/L	99
25) Chloroform	5.11	83	9322	0.810 ug/L	95
31) Carbon tetrachloride	5.55	117	792	0.087 ug/L	87
34) Trichloroethene	6.56	95	169927	24.224 ug/L	98
35) Methylcyclohexane	6.71	83	6856	0.610 ug/L #	29
37) 1,2-Dichloropropane	6.71	63	4121	0.557 ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1155	0.103 ug/L #	51
45) 1,1,2-Trichloroethane	8.56	97	6107	1.149 ug/L #	20
47) Tetrachloroethene	8.56	164	543444	111.375 ug/L	98
49) Dibromochloromethane	8.56	129	536276	83.334 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6383	1.171 ug/L #	87

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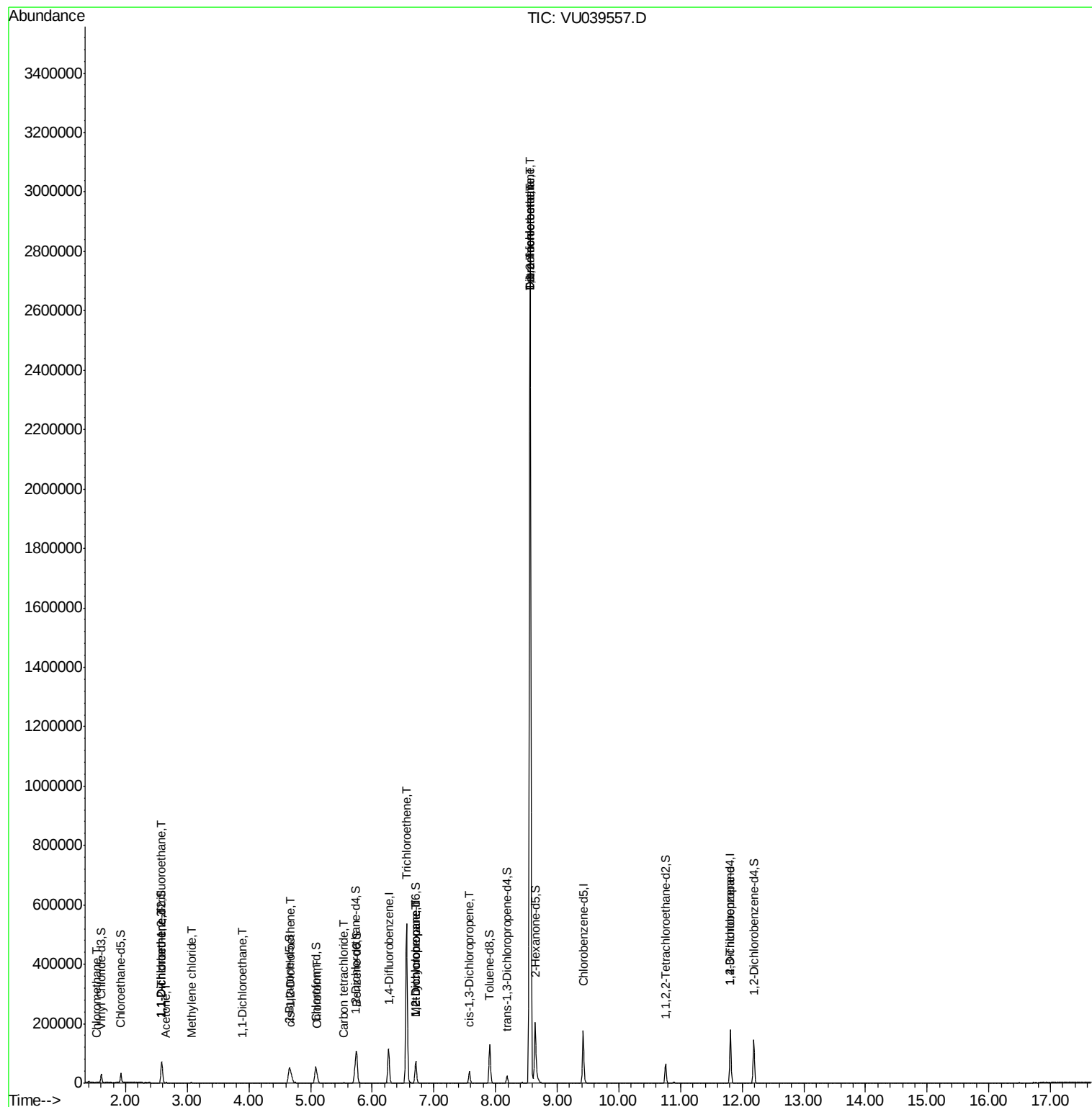
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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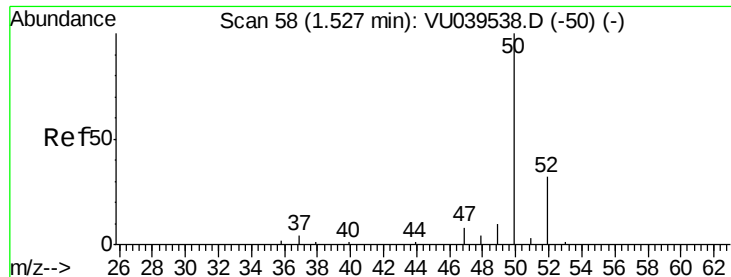
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.176 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039557.D

Acq: 17 Jul 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

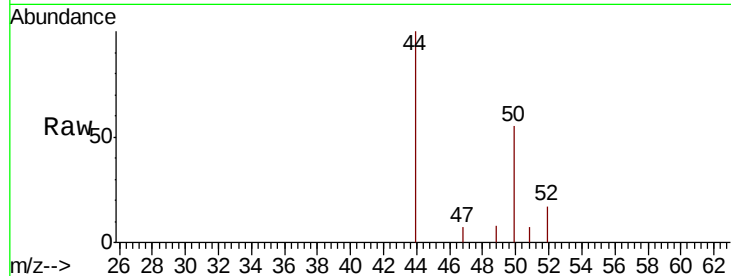
BFT81

Tot Ion: 50 Resp: 1142

Ion Ratio Lower Upper

50 100

52 30.7 23.0 42.8

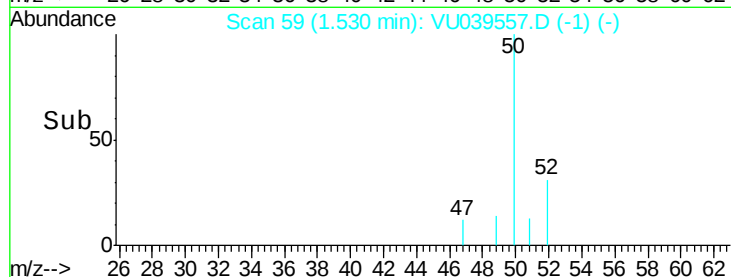


Abundance Ion 50.05 (49.75 to 50.75): VU039538.D (-50) (-)

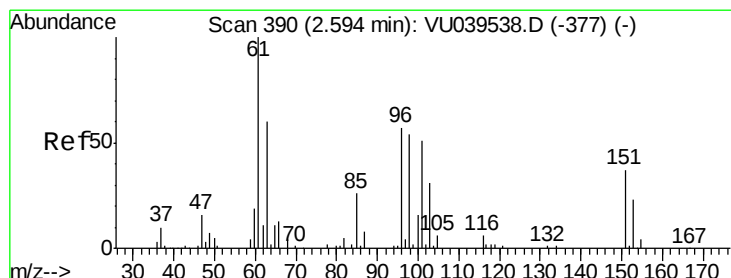
Ion 52.05 (51.75 to 52.75): VU039538.D (-50) (-)

1.53

1.52 1.54 1.56



Time-->



#10

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

Concen: 0.772 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039557.D

Acq: 17 Jul 2020 17:58

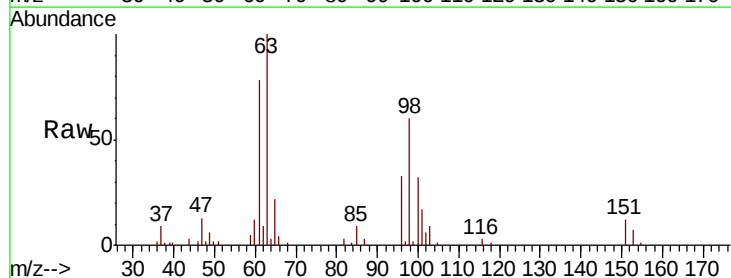
Tgt Ion:101 Resp: 3965

Ion Ratio Lower Upper

101 100

85 50.7 38.9 58.3

151 63.6 57.0 85.4



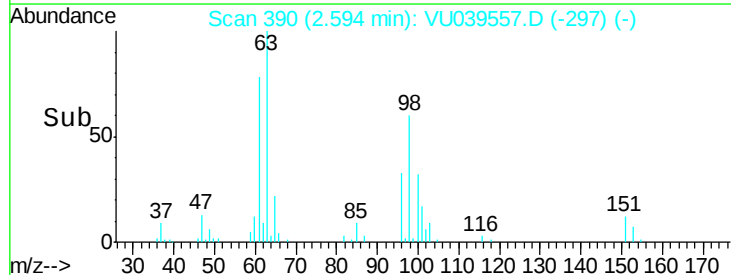
Abundance Ion 101.00 (100.70 to 101.70): VU039538.D (-377) (-)

Ion 85.00 (84.70 to 85.70): VU039538.D (-377) (-)

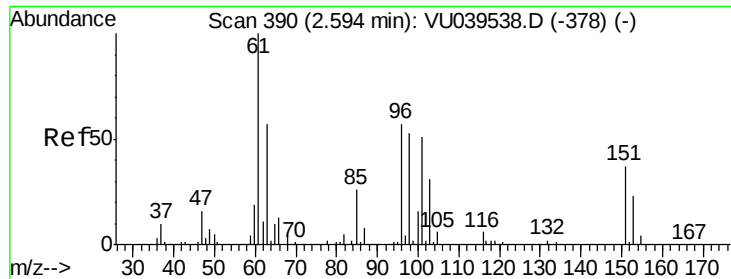
Ion 151.00 (150.70 to 151.70): VU039538.D (-377) (-)

2.59

2.55 2.60 2.65



Time-->



#12

1,1-Dichloroethene

Concen: 1.298 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039557.D

Acq: 17 Jul 2020 17:58

Instrument :

MSVOA_U

ClientSampled :

BFT81

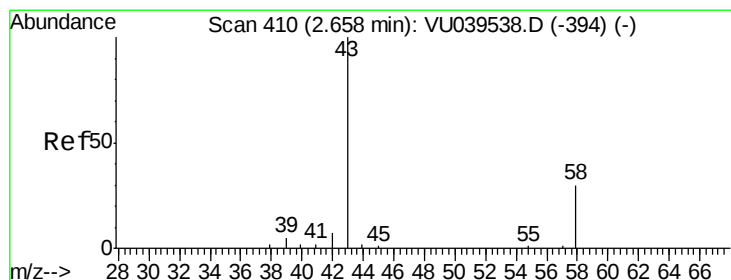
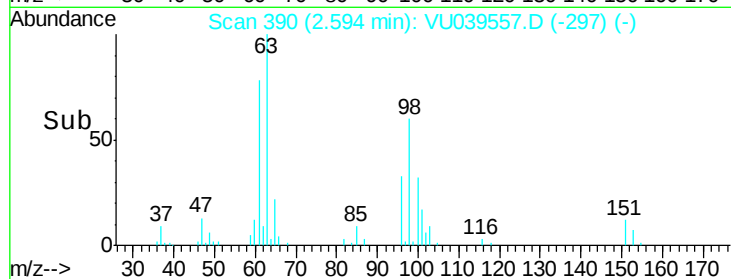
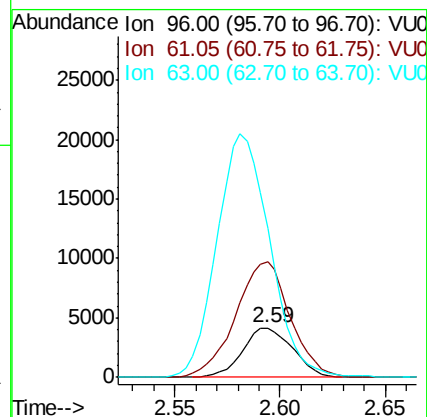
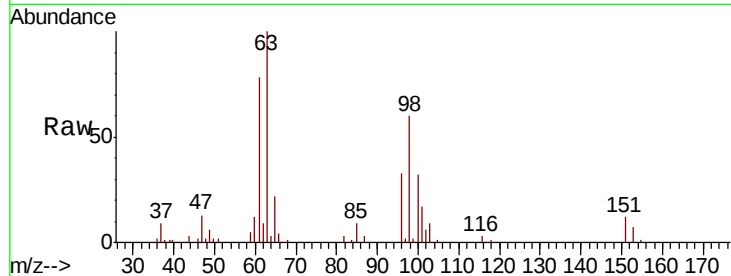
Tot Ion: 96 Resp: 6830

Ion Ratio Lower Upper

96 100

61 234.4 125.4 232.8#

63 302.3 92.7 172.3#



#13

Acetone

Concen: 1.794 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU039557.D

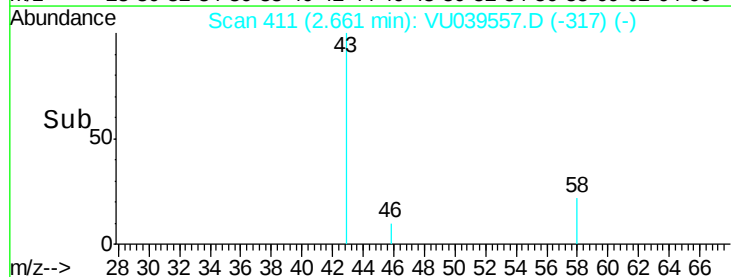
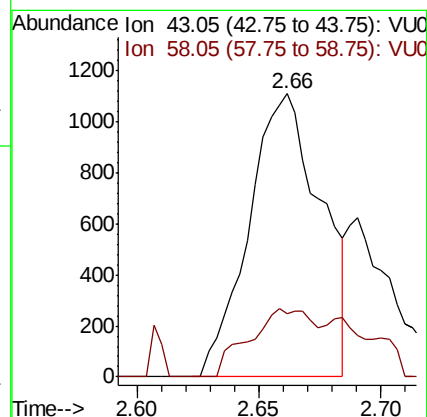
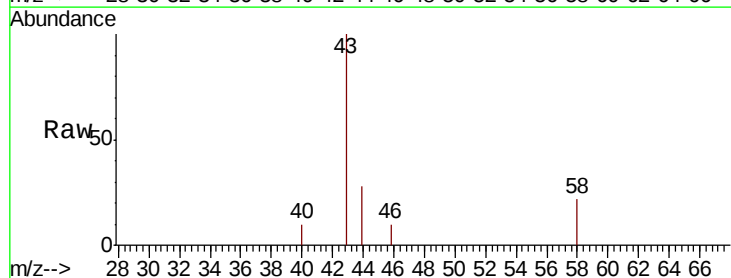
Acq: 17 Jul 2020 17:58

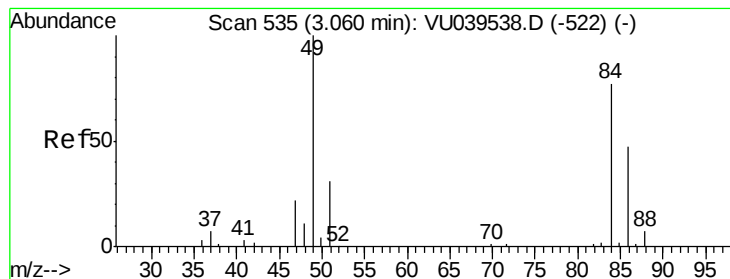
Tgt Ion: 43 Resp: 2272

Ion Ratio Lower Upper

43 100

58 21.5 0.0 62.8





#16

Methylene chloride

Concen: 0.113 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039557.D

Acq: 17 Jul 2020 17:58

Instrument :

MSVOA_U

ClientSampled :

BFT81

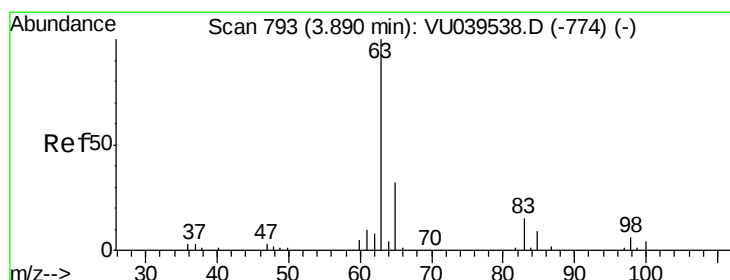
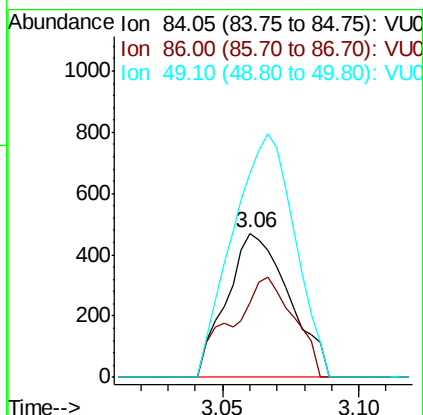
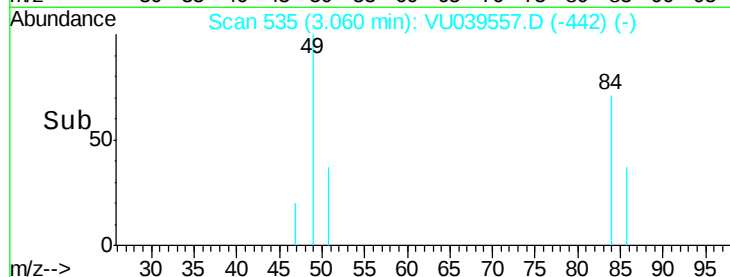
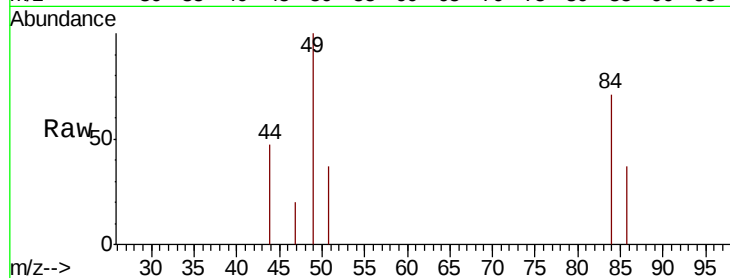
Tot Ion: 84 Resp: 745

Ion Ratio Lower Upper

84 100

86 51.9 43.5 80.9

49 141.3 91.1 169.1



#19

1,1-Dichloroethane

Concen: 0.111 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU039557.D

Acq: 17 Jul 2020 17:58

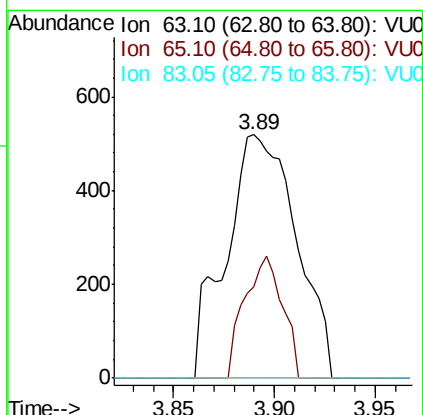
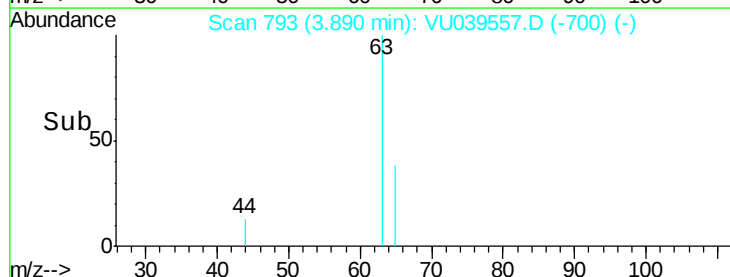
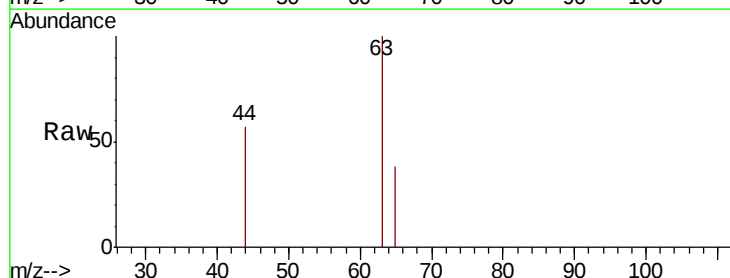
Tgt Ion: 63 Resp: 1260

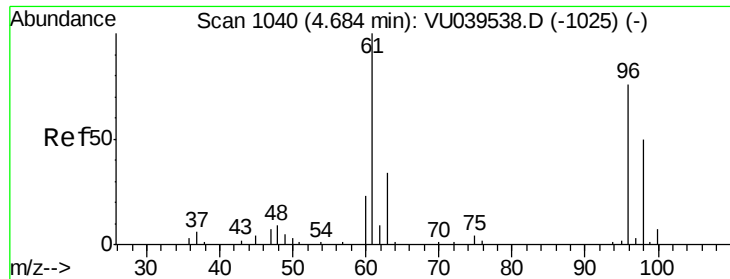
Ion Ratio Lower Upper

63 100

65 37.6 23.0 42.6

83 0.0 9.6 17.8#

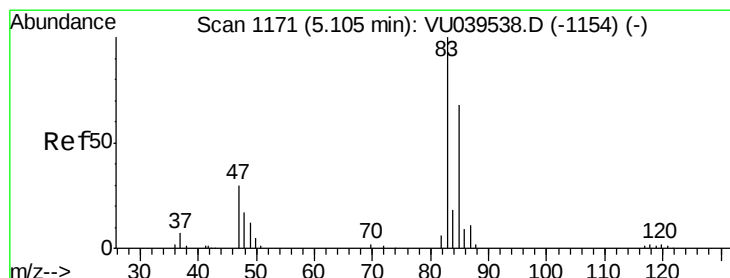
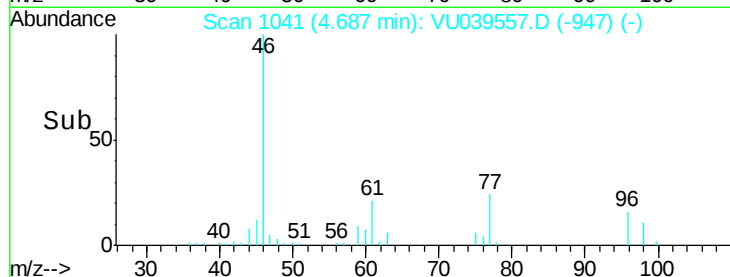
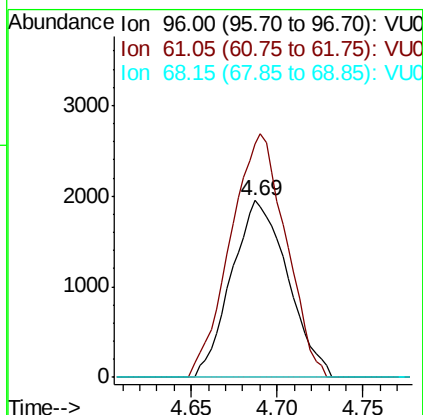
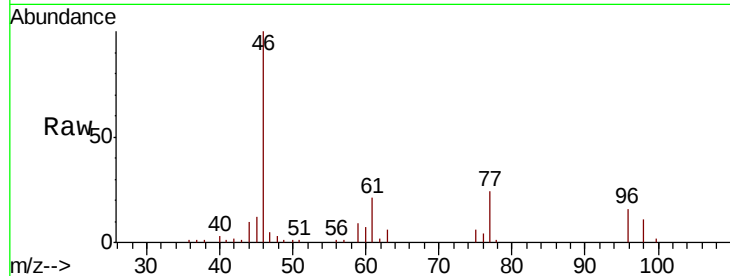




#22
 cis-1,2-Dichloroethene
 Concen: 0.679 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039557.D
 Acq: 17 Jul 2020 17:58

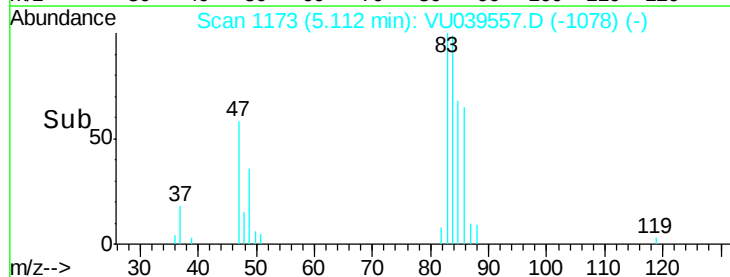
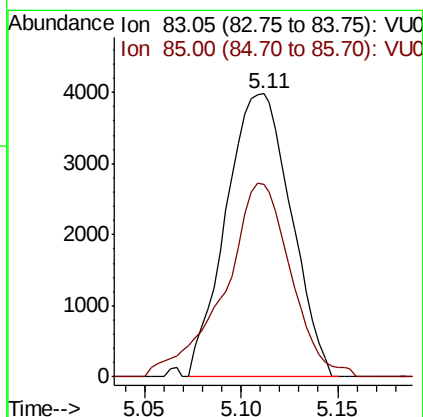
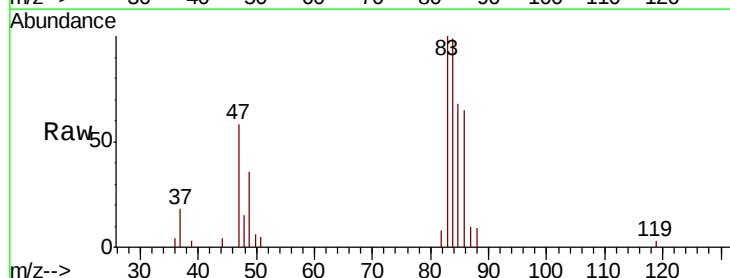
Instrument :
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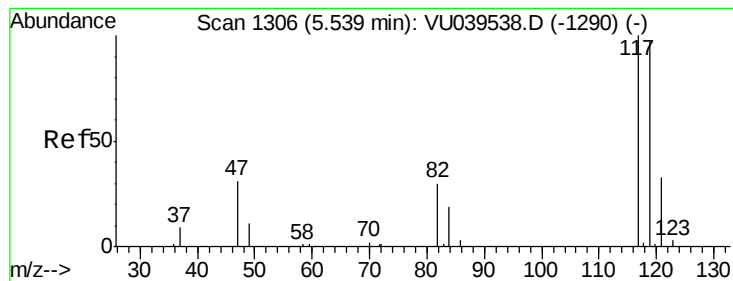
Tot Ion: 96 Resp: 4433
 Ion Ratio Lower Upper
 96 100
 61 131.9 92.8 172.4
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.810 ug/L
 RT: 5.11 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: VU039557.D
 Acq: 17 Jul 2020 17:58

Tgt Ion: 83 Resp: 9322
 Ion Ratio Lower Upper
 83 100
 85 68.1 44.9 83.5





#31

Carbon tetrachloride

Concen: 0.087 ug/L

RT: 5.55 min Scan# 1308

Delta R.T. 0.01 min

Lab File: VU039557.D

Acq: 17 Jul 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

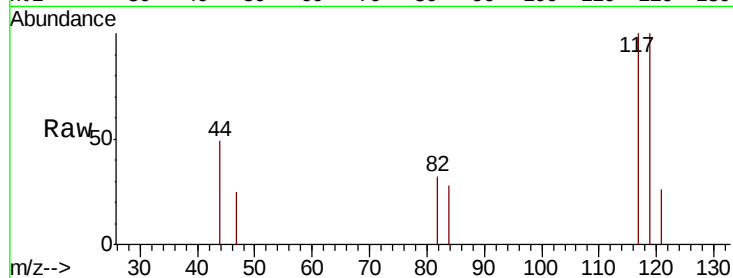
BFT81

Tot Ion:117 Resp: 792

Ion Ratio Lower Upper

117 100

119 109.0 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.55

400

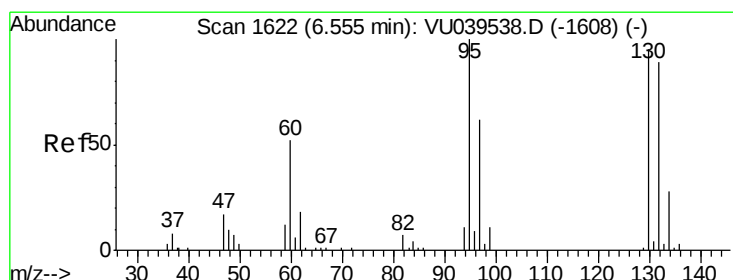
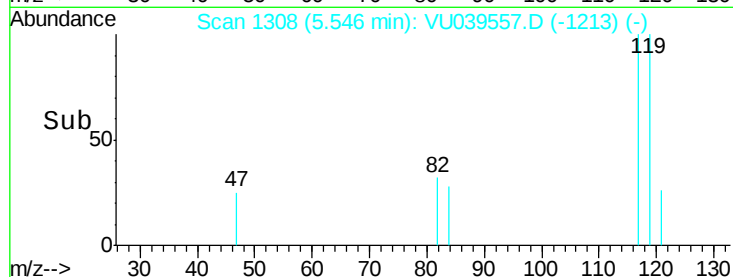
300

200

100

0

Time-->



#34

Trichloroethene

Concen: 24.224 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039557.D

Acq: 17 Jul 2020 17:58

Tgt Ion: 95 Resp: 169927

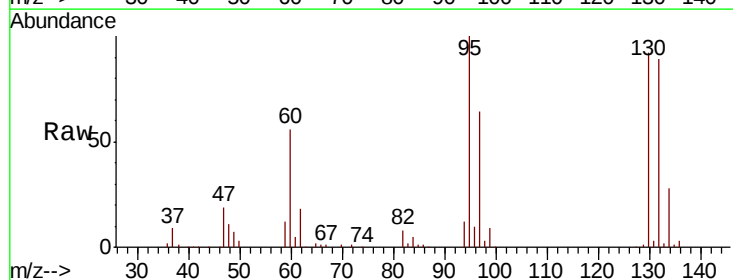
Ion Ratio Lower Upper

95 100

97 64.0 46.3 85.9

132 89.3 64.0 118.8

130 92.4 64.3 119.5



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): VU0

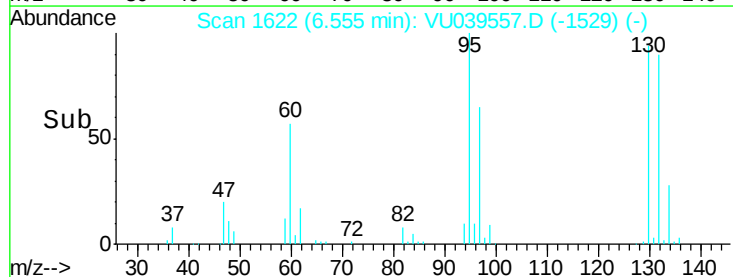
Ion 129.95 (129.65 to 130.65): VU0

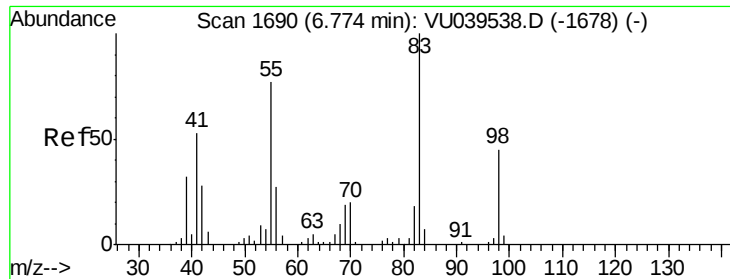
100000

50000

0

Time-->

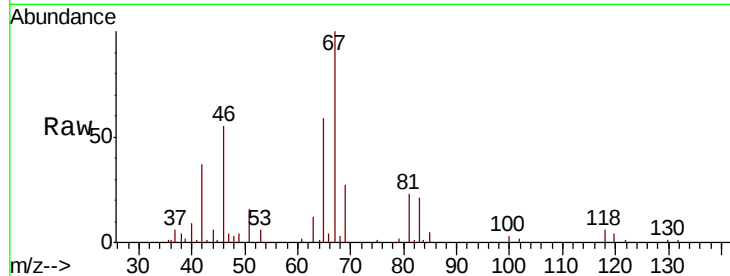




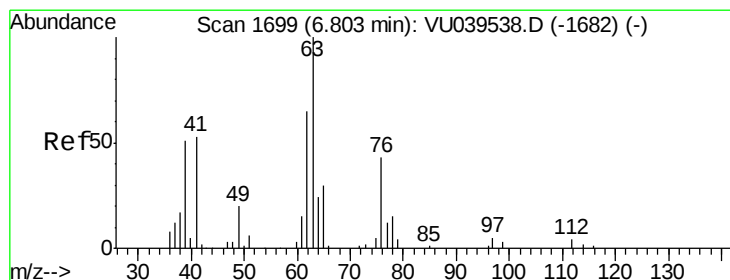
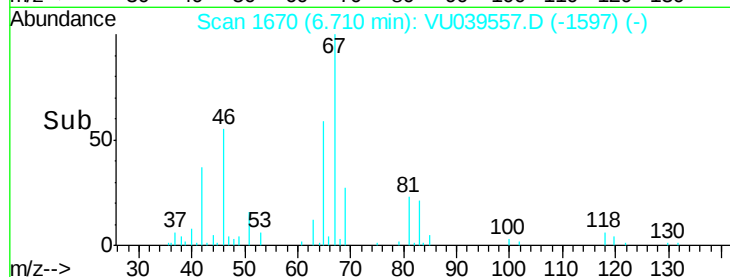
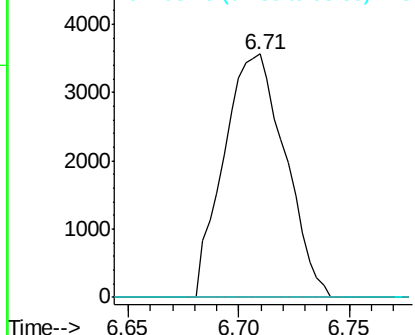
#35
Methvlcvclohexane
Concen: 0.610 ug/L
RT: 6.71 min Scan# 1670
Delta R.T. -0.06 min
Lab File: VU039557.D
Acq: 17 Jul 2020 17:58

Instrument :
MSVOA_U
ClientSampleId :
BFT81

Tot Ion: 83 Resp: 6856
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 18.6 35.9 53.9#

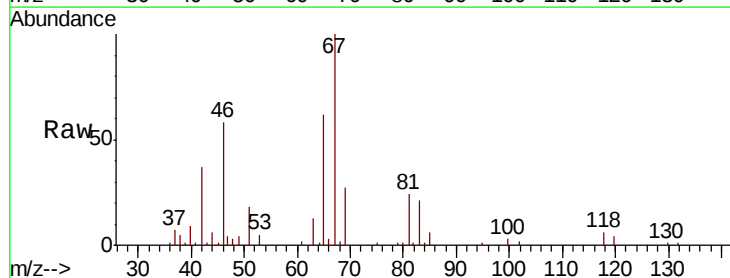


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

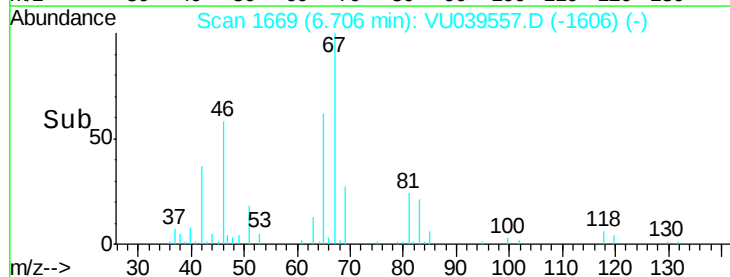
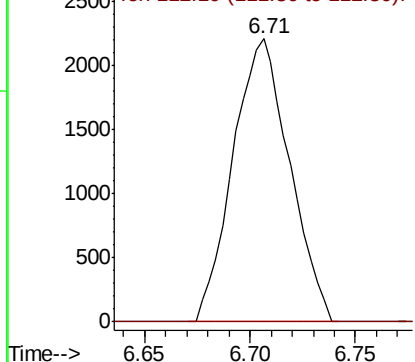


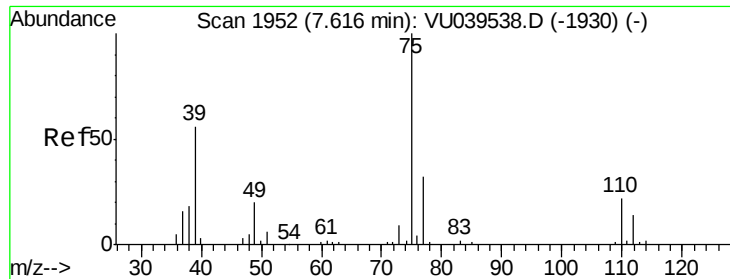
#37
1,2-Dichloropropane
Concen: 0.557 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039557.D
Acq: 17 Jul 2020 17:58

Tgt Ion: 63 Resp: 4121
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#



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

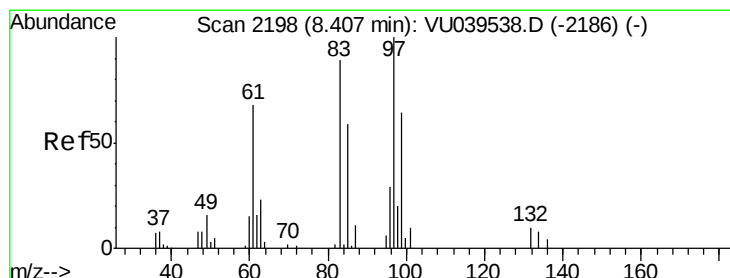
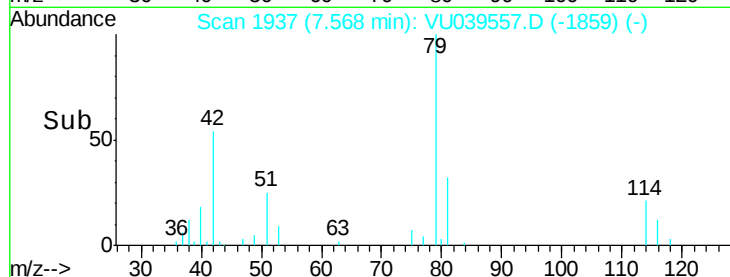
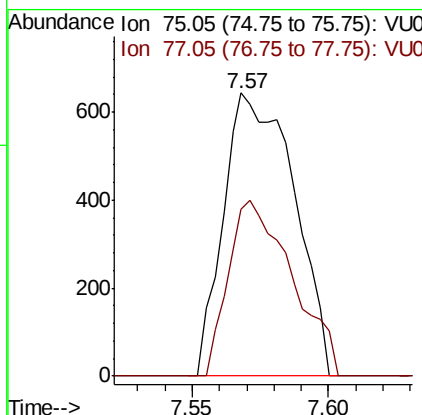
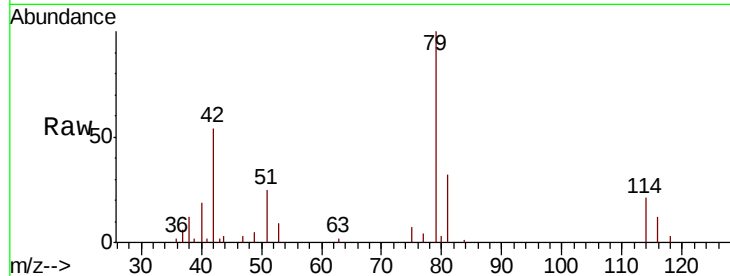




#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU039557.D
 Acq: 17 Jul 2020 17:58

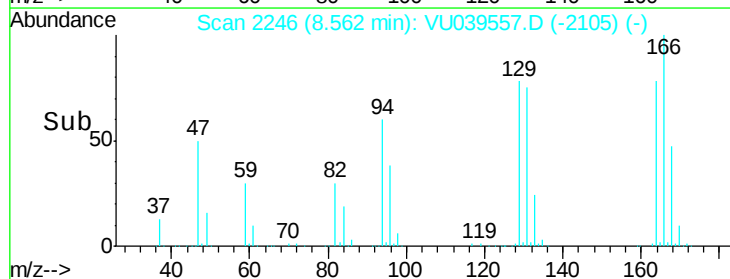
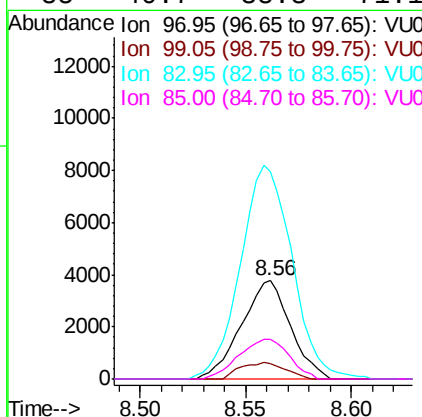
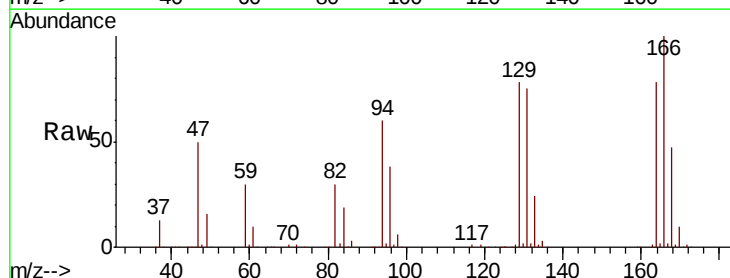
Instrument :
 MSVOA_U
 ClientSampleId :
 BFT81

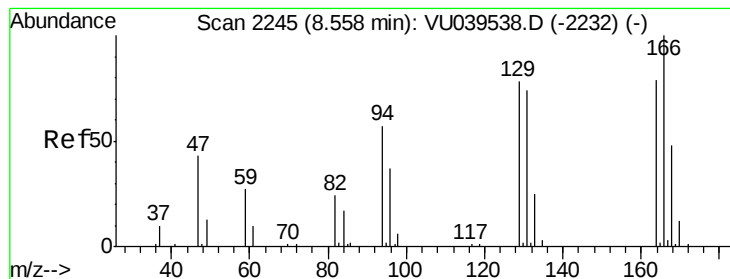
Tot Ion: 75 Resp: 1155
 Ion Ratio Lower Upper
 75 100
 77 58.9 22.3 41.3#



#45
 1,1,2-Trichloroethane
 Concen: 1.149 ug/L
 RT: 8.56 min Scan# 2246
 Delta R.T. 0.15 min
 Lab File: VU039557.D
 Acq: 17 Jul 2020 17:58

Tgt Ion: 97 Resp: 6107
 Ion Ratio Lower Upper
 97 100
 99 16.2 40.7 75.7#
 83 210.7 60.6 112.6#
 85 40.7 38.3 71.1





#47

Tetrachloroethene

Concen: 111.375 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039557.D

Acq: 17 Jul 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

BFT81

Tot Ion:164 Resp: 543444

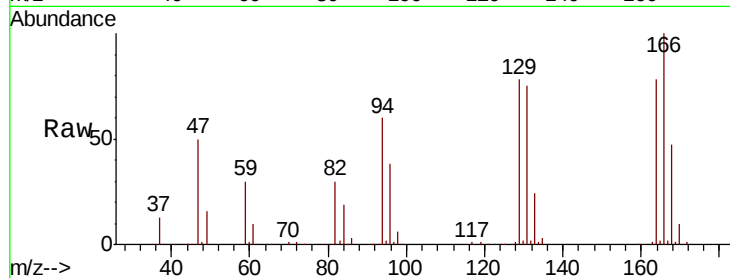
Ion Ratio Lower Upper

164 100

129 99.7 68.6 127.4

131 95.6 66.4 123.4

166 127.7 85.9 159.5

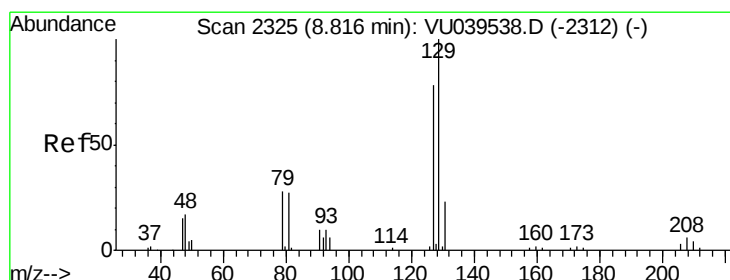
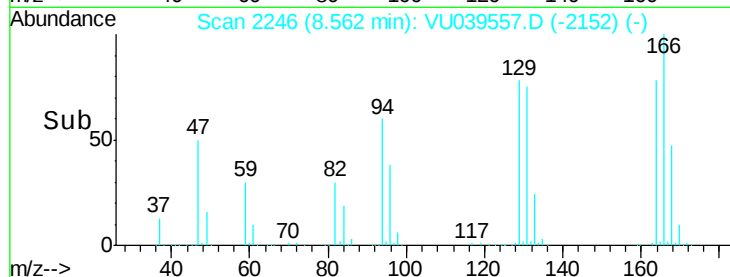
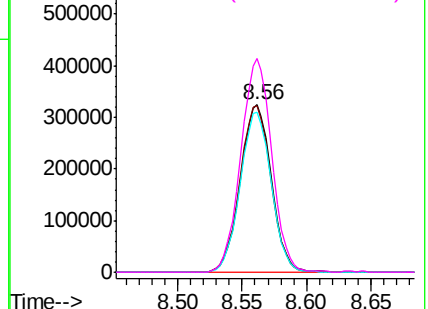


Abundance Ion 163.90 (163.60 to 164.60): V

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: 83.334 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU039557.D

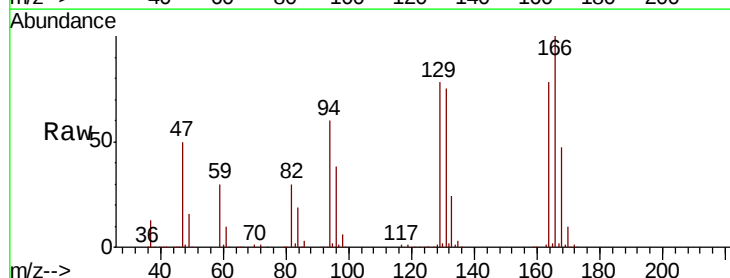
Acq: 17 Jul 2020 17:58

Tgt Ion:129 Resp: 536276

Ion Ratio Lower Upper

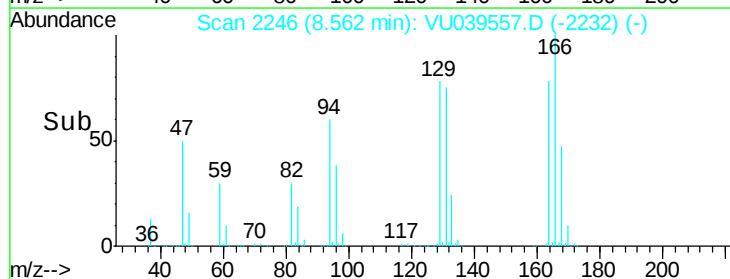
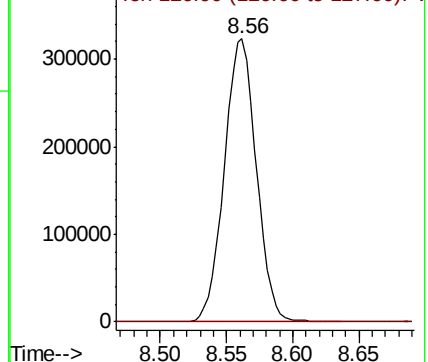
129 100

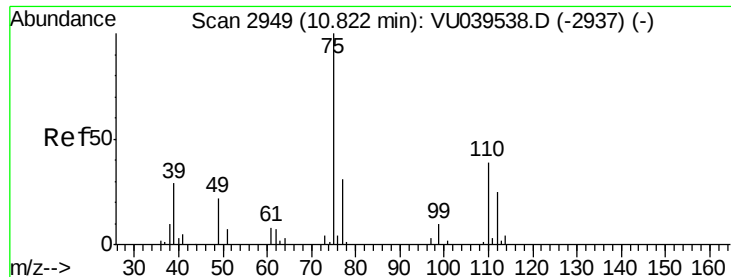
127 0.3 55.4 102.8#



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: 1.171 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039557.D

Acq: 17 Jul 2020 17:58

Instrument :

MSVOA_U

ClientSampleId :

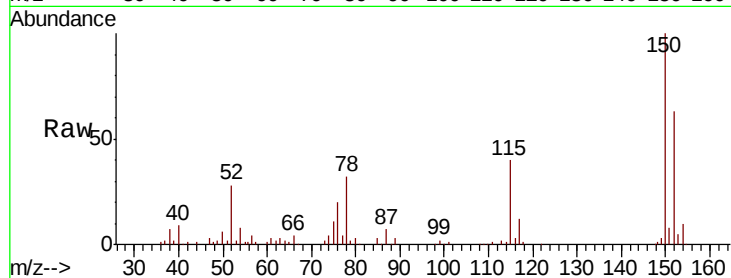
BFT81

Tot Ion: 75 Resp: 6383

Ion Ratio Lower Upper

75 100

77 40.8 26.8 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

