

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071720\
 Data File : VU039559.D
 Acq On : 17 Jul 2020 18:44
 Operator : SY/MD
 Sample : L3292-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT90

Quant Time: Jul 17 23:45:03 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	91086	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	95213	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42173	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	20347	3.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.20%
7) Chloroethane-d5	1.92	69	20480	3.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.80%
11) 1,1-Dichloroethene-d2	2.58	63	56860	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.60%
20) 2-Butanone-d5	4.66	46	101720	42.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.22%
24) Chloroform-d	5.09	84	46918	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
26) 1,2-Dichloroethane-d4	5.72	65	31325	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
32) Benzene-d6	5.75	84	93314	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
36) 1,2-Dichloropropane-d6	6.71	67	31946	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.40%
41) Toluene-d8	7.91	98	83838	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	8.19	79	12456	3.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.00%
46) 2-Hexanone-d5	8.64	63	71527	33.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	67.82%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	31062	3.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	34884	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	3450	0.625 ug/L	96
9) Trichlorofluoromethane	2.15	101	13559	1.051 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	33546	6.339 ug/L	100
12) 1,1-Dichloroethene	2.59	96	43651	8.058 ug/L	84
13) Acetone	2.67	43	1097	0.841 ug/L	80
16) Methylene chloride	3.07	84	591	0.087 ug/L	87
19) 1,1-Dichloroethane	3.90	63	8328	0.710 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	39466	5.869 ug/L	96
25) Chloroform	5.11	83	13255	1.119 ug/L	95
27) 1,2-Dichloroethane	5.82	62	2485	0.290 ug/L #	80
29) 1,1,1-Trichloroethane	5.34	97	10912	0.973 ug/L	96
31) Carbon tetrachloride	5.54	117	5337	0.558 ug/L	95
34) Trichloroethene	6.56	95	325902	44.284 ug/L	98
35) Methylcyclohexane	6.71	83	6792	0.576 ug/L #	18
39) cis-1,3-Dichloropropene	7.57	75	1100	0.094 ug/L #	56
47) Tetrachloroethene	8.56	164	723683	141.371 ug/L	96
49) Dibromochloromethane	8.56	129	726005	107.536 ug/L #	10

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 17 23:38:36 2020
Response via : Initial Calibration

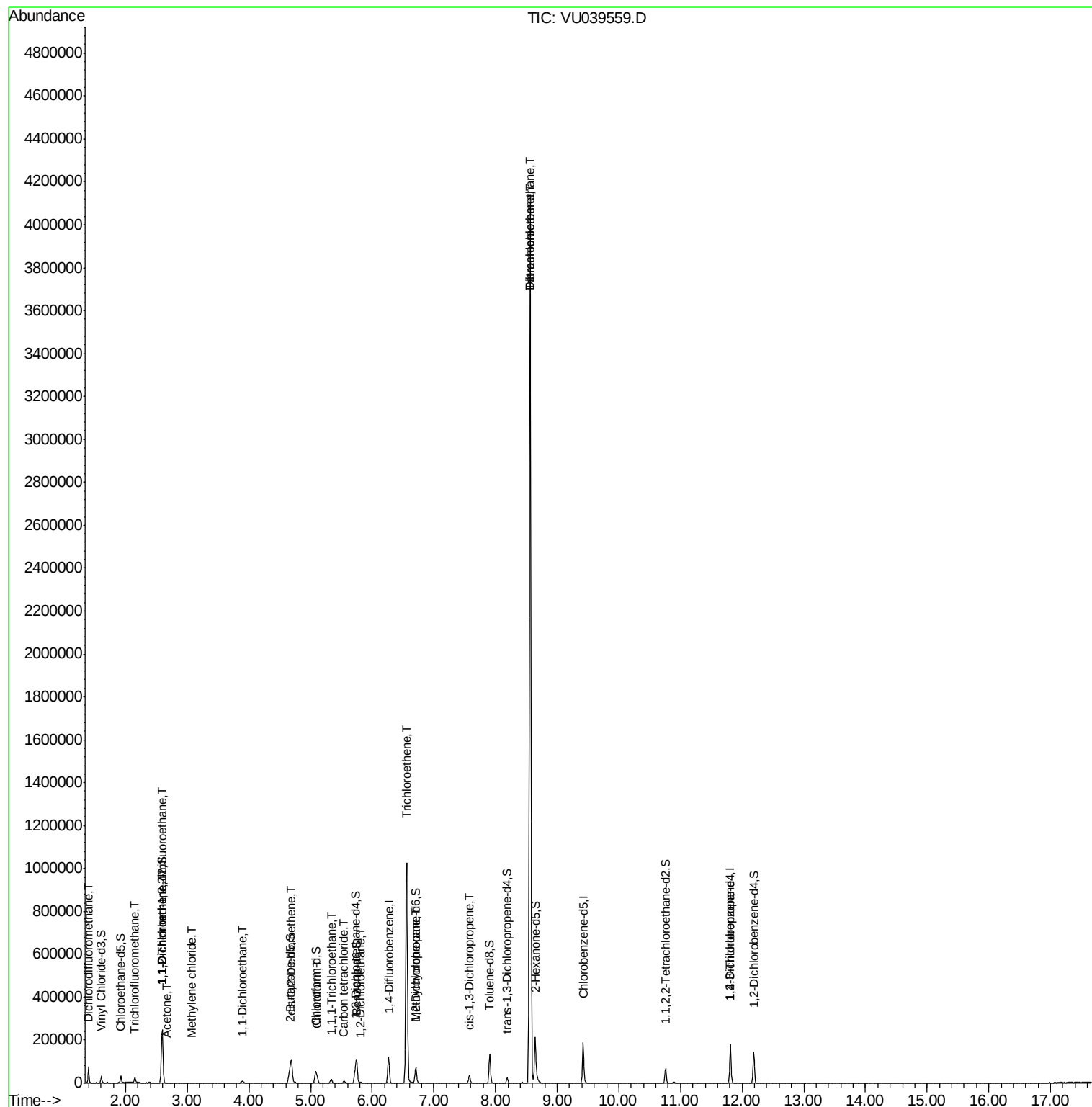
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	6874	1.202	ug/L	99

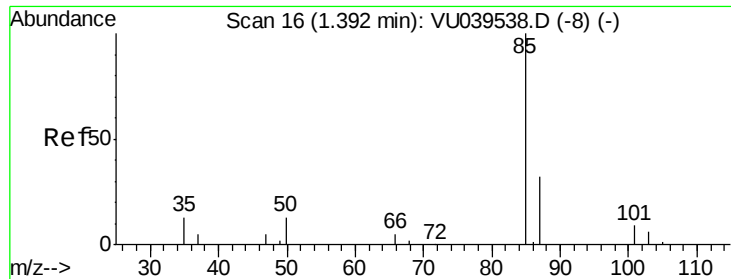
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 17 23:38:36 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.625 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039559.D

Acq: 17 Jul 2020 18:44

Instrument :

MSVOA_U

ClientSampleId :

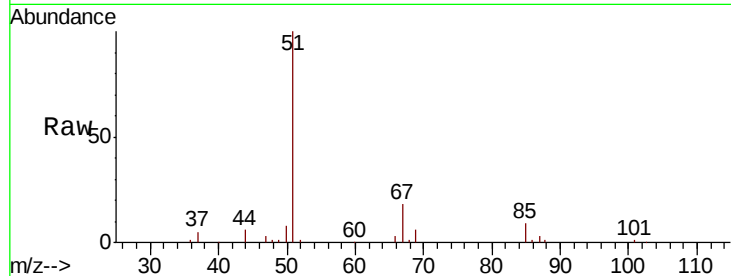
BFT90

Tot Ion: 85 Resp: 3450

Ion Ratio Lower Upper

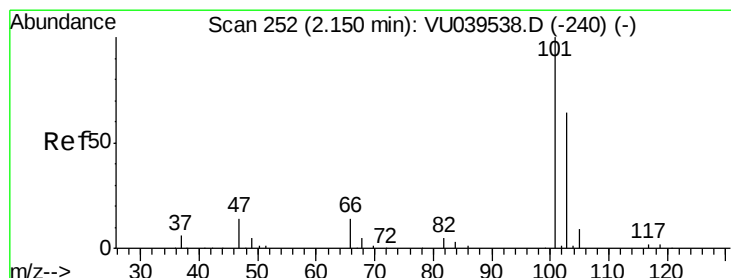
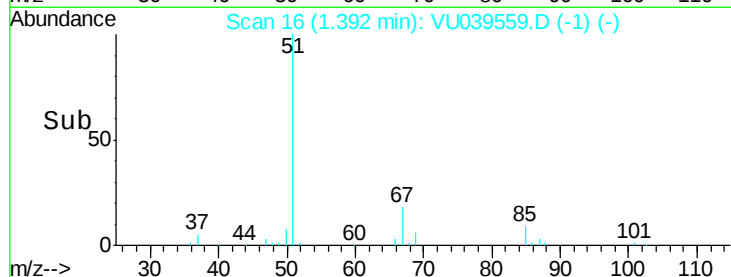
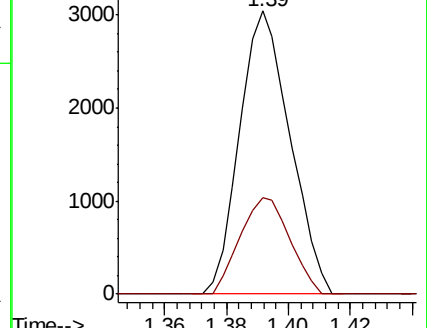
85 100

87 33.6 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039538.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039538.D (-8) (-)



#9

Trichlorofluoromethane

Concen: 1.051 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039559.D

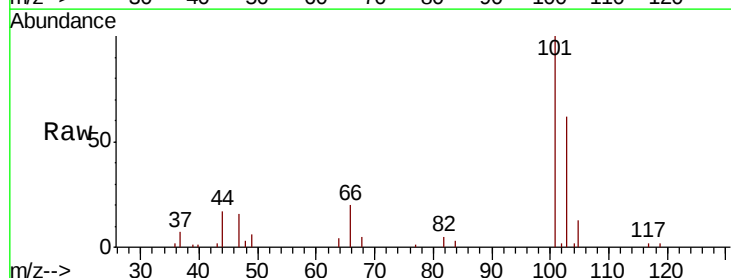
Acq: 17 Jul 2020 18:44

Tgt Ion: 101 Resp: 13559

Ion Ratio Lower Upper

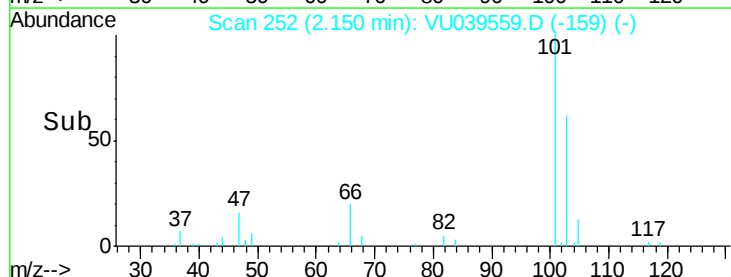
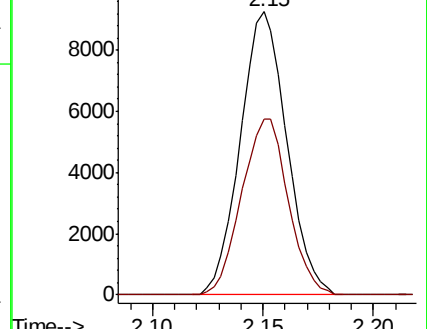
101 100

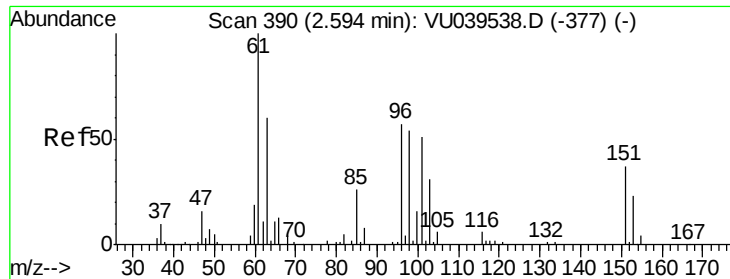
103 62.2 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): VU039538.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039538.D (-240) (-)





#10

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

Concen: 6.339 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039559.D

Acq: 17 Jul 2020 18:44

Instrument :

MSVOA_U

ClientSampleId :

BFT90

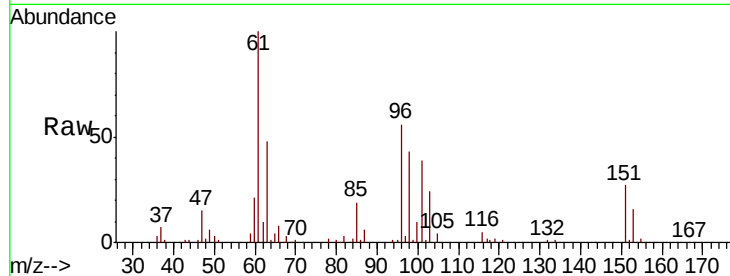
Tot Ion:101 Resp: 33546

Ion Ratio Lower Upper

101 100

85 49.0 38.9 58.3

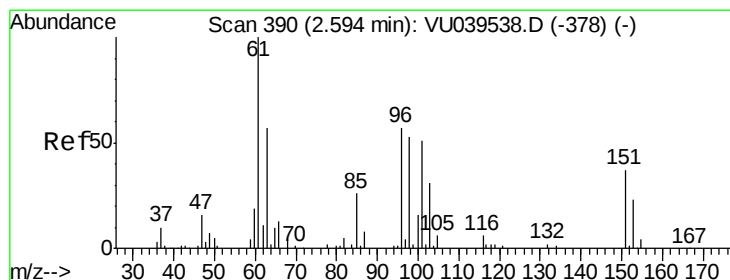
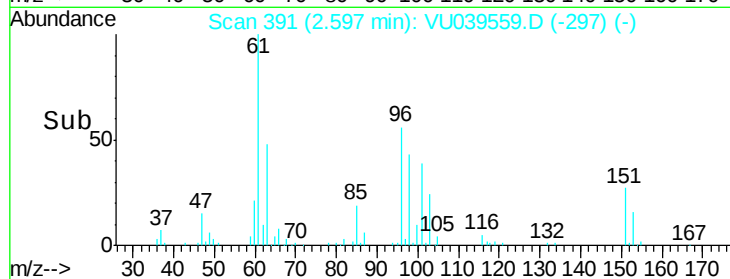
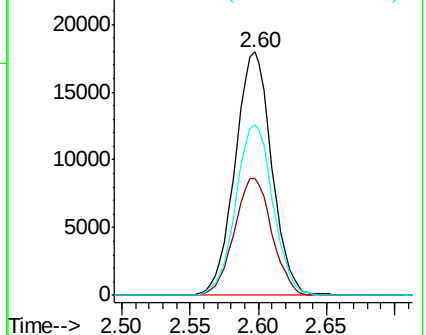
151 71.0 57.0 85.4



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



#12

1,1-Dichloroethene

Concen: 8.058 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039559.D

Acq: 17 Jul 2020 18:44

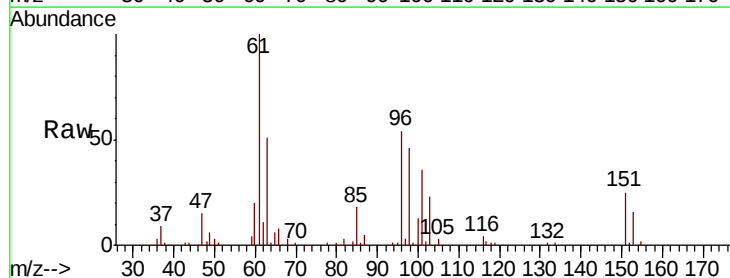
Tgt Ion: 96 Resp: 43651

Ion Ratio Lower Upper

96 100

61 185.2 125.4 232.8

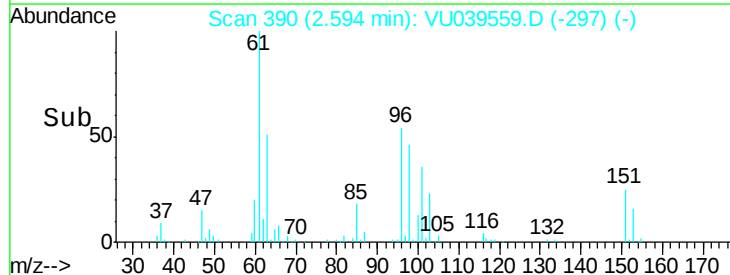
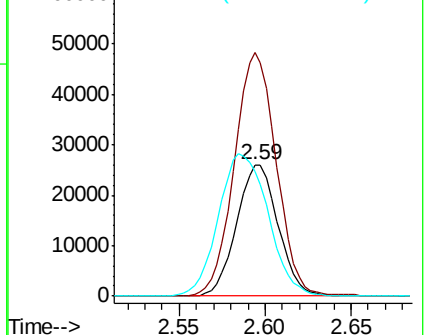
63 95.0 92.7 172.3

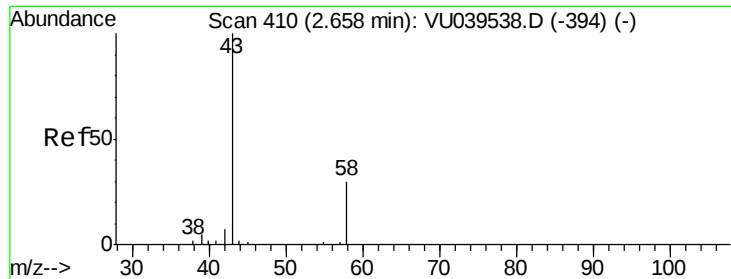


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.841 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU039559.D

Acq: 17 Jul 2020 18:44

Instrument :

MSVOA_U

ClientSampled :

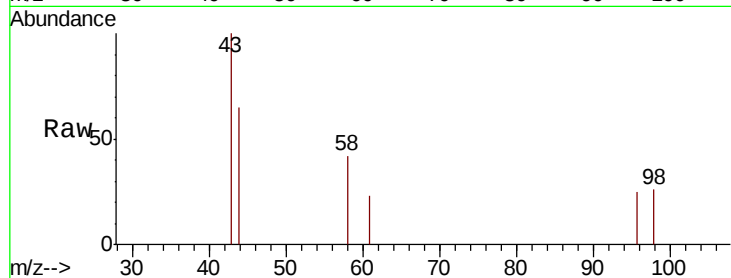
BFT90

Tot Ion: 43 Resp: 1097

Ion Ratio Lower Upper

43 100

58 20.2 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

400

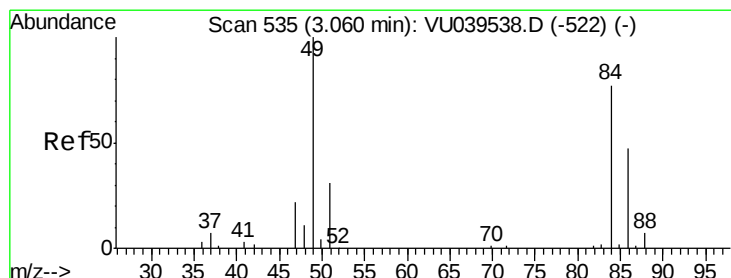
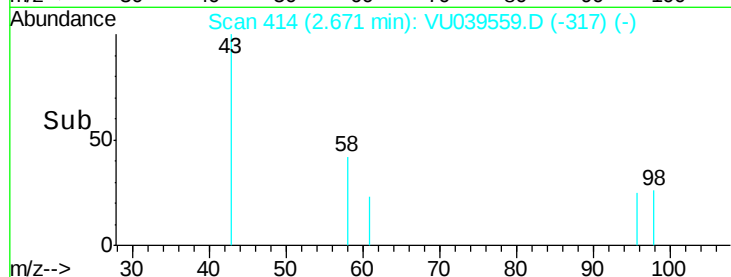
300

200

100

0

Time-->



#16

Methylene chloride

Concen: 0.087 ug/L

RT: 3.07 min Scan# 537

Delta R.T. 0.01 min

Lab File: VU039559.D

Acq: 17 Jul 2020 18:44

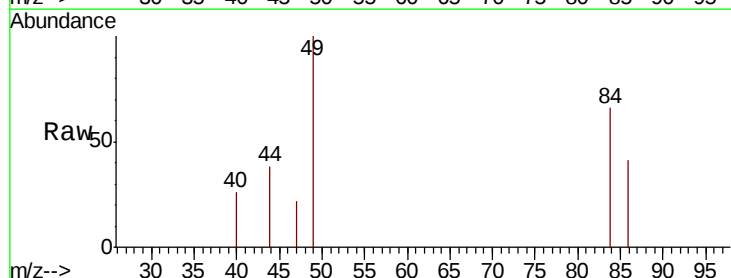
Tgt Ion: 84 Resp: 591

Ion Ratio Lower Upper

84 100

86 61.9 43.5 80.9

49 151.7 91.1 169.1



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

800

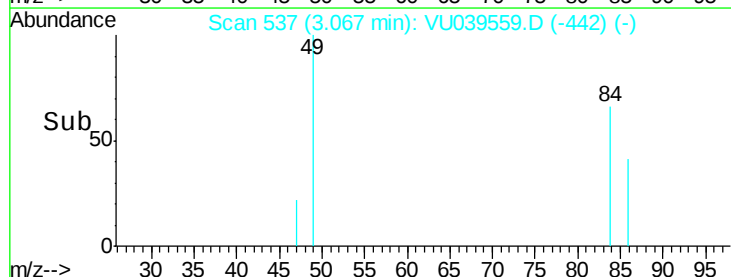
600

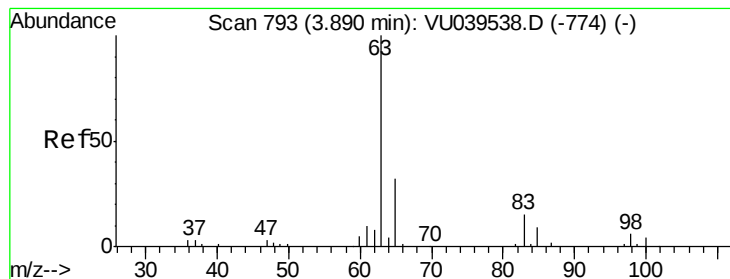
400

200

0

Time-->





#19

1,1-Dichloroethane

Concen: 0.710 ug/L

RT: 3.90 min Scan# 795

Delta R.T. 0.01 min

Lab File: VU039559.D

Acq: 17 Jul 2020 18:44

Instrument :

MSVOA_U

ClientSampleId :

BFT90

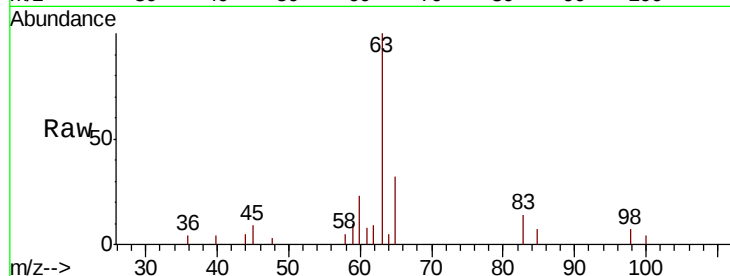
Tot Ion: 63 Resp: 8328

Ion Ratio Lower Upper

63 100

65 32.2 23.0 42.6

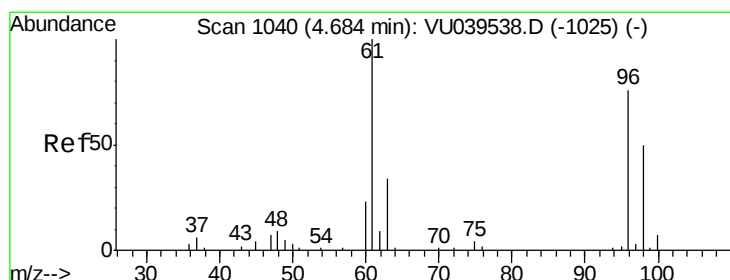
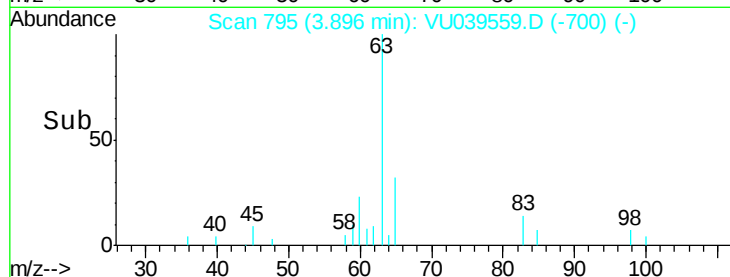
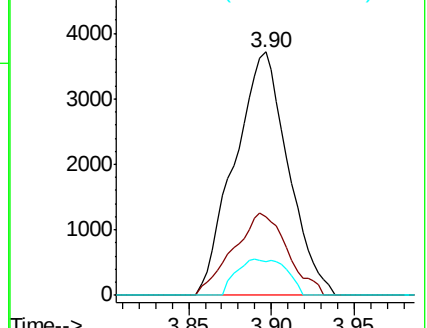
83 14.0 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU039559.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU039559.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU039559.D (-700) (-)



#22

cis-1,2-Dichloroethene

Concen: 5.869 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039559.D

Acq: 17 Jul 2020 18:44

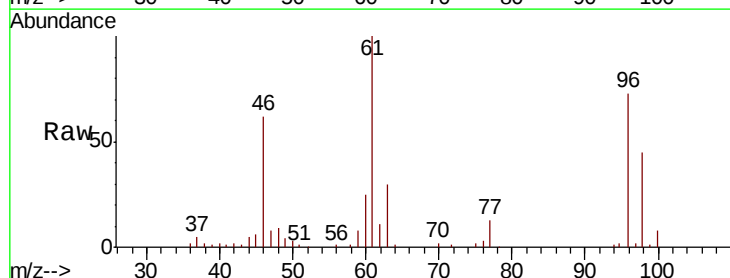
Tgt Ion: 96 Resp: 39466

Ion Ratio Lower Upper

96 100

61 137.3 92.8 172.4

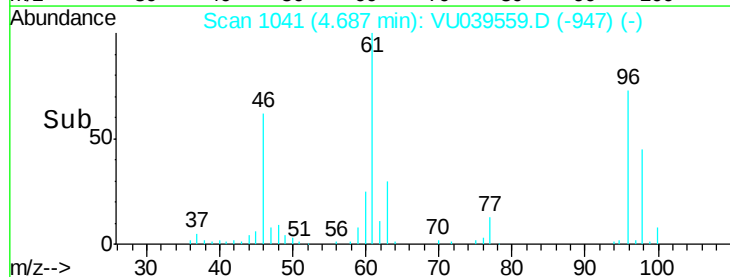
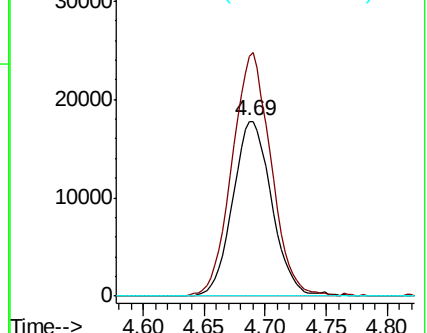
68 0.0 0.0 0.0

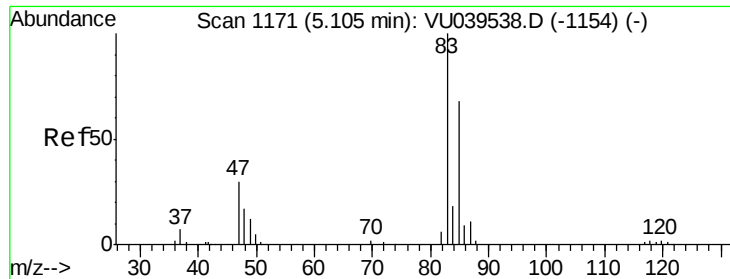


Abundance Ion 96.00 (95.70 to 96.70): VU039559.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU039559.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU039559.D (-947) (-)

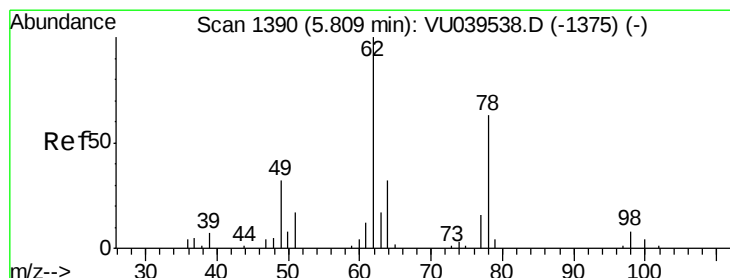
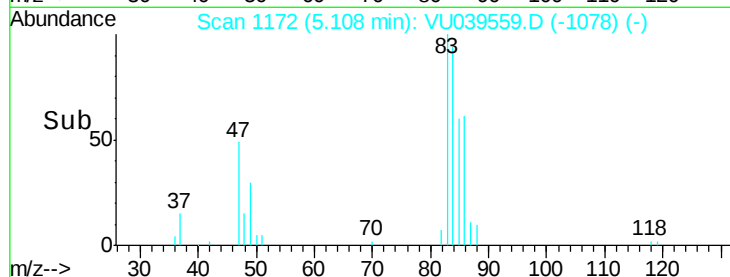
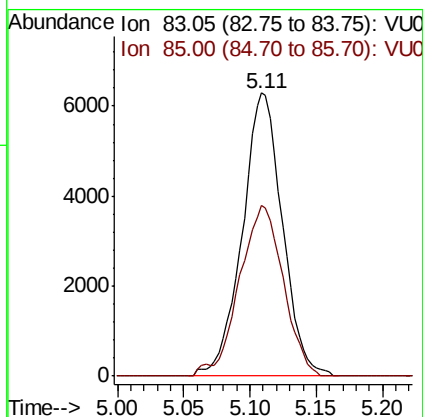
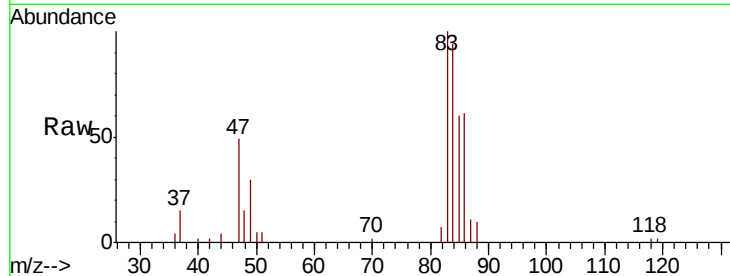




#25
Chloroform
Concen: 1.119 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039559.D
Acq: 17 Jul 2020 18:44

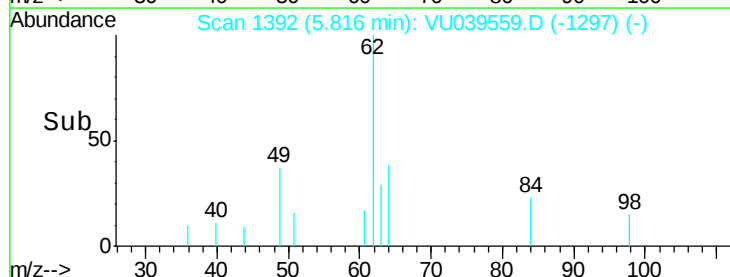
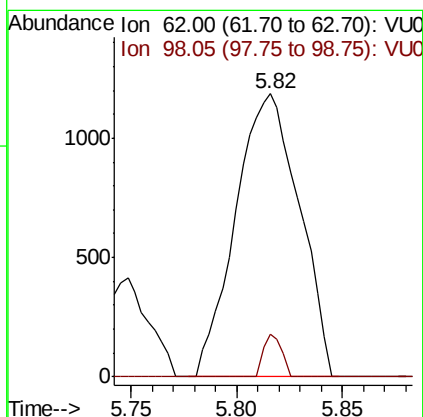
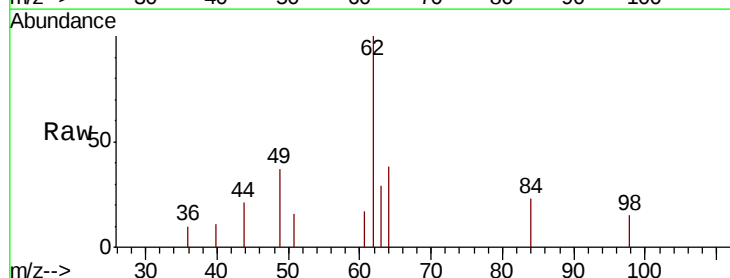
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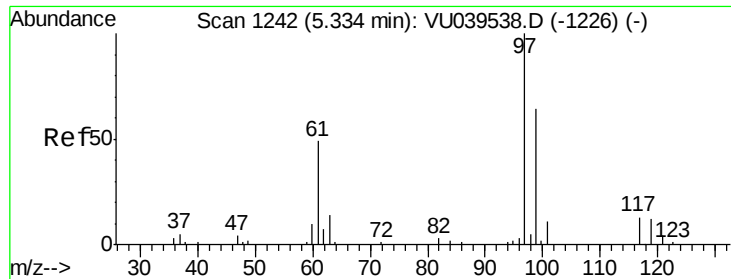
Tot Ion: 83 Resp: 13255
Ion Ratio Lower Upper
83 100
85 60.1 44.9 83.5



#27
1,2-Dichloroethane
Concen: 0.290 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VU039559.D
Acq: 17 Jul 2020 18:44

Tgt Ion: 62 Resp: 2485
Ion Ratio Lower Upper
62 100
98 15.1 6.3 9.5#

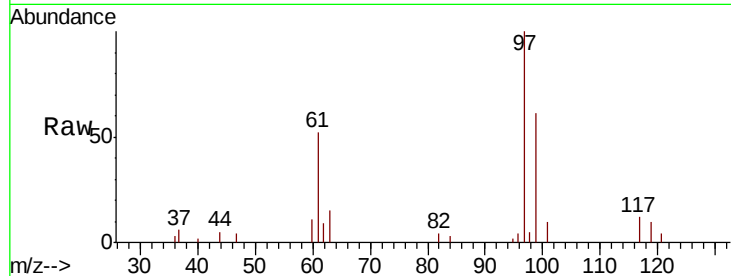




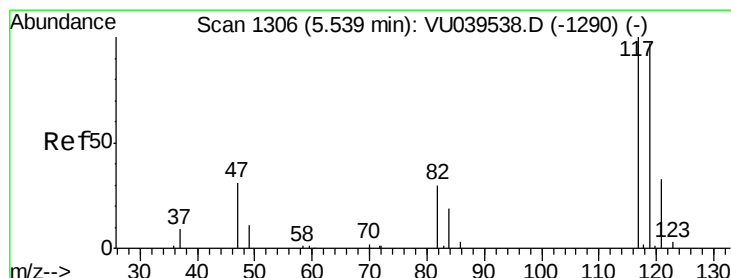
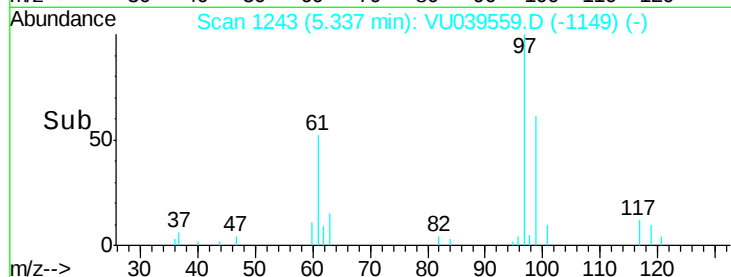
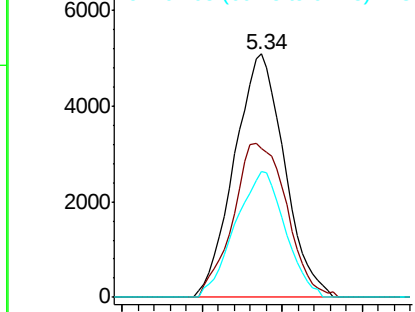
#29
 1,1,1-Trichloroethane
 Concen: 0.973 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039559.D
 Acq: 17 Jul 2020 18:44

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT90

Tot Ion: 97 Resp: 10912
 Ion Ratio Lower Upper
 97 100
 99 67.4 52.6 79.0
 61 51.3 37.9 56.9

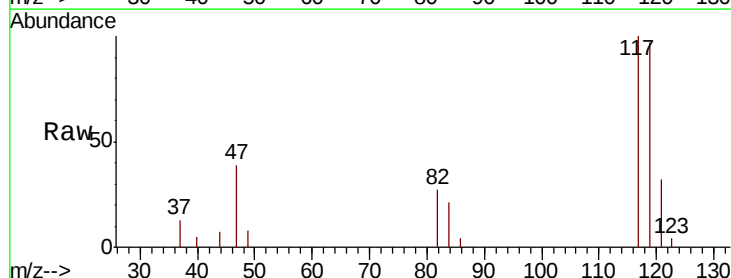


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

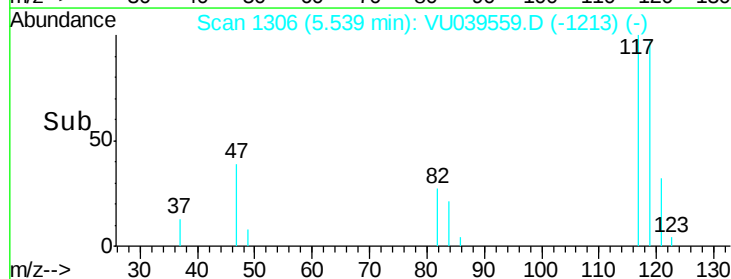
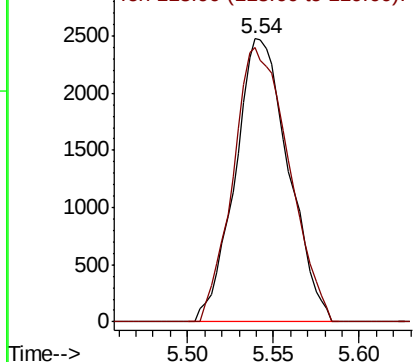


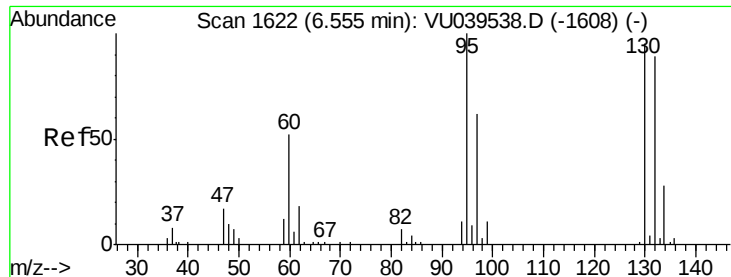
#31
 Carbon tetrachloride
 Concen: 0.558 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU039559.D
 Acq: 17 Jul 2020 18:44

Tgt Ion: 117 Resp: 5337
 Ion Ratio Lower Upper
 117 100
 119 101.9 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V

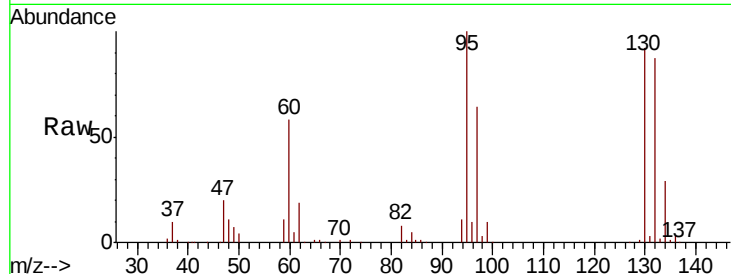




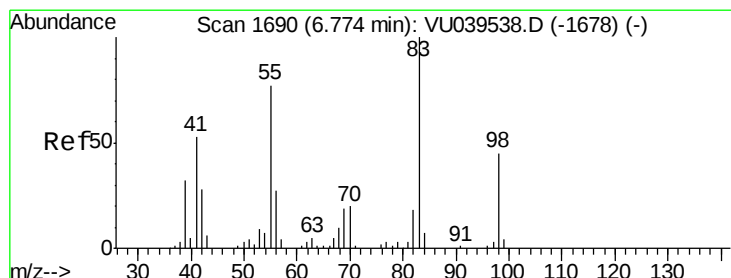
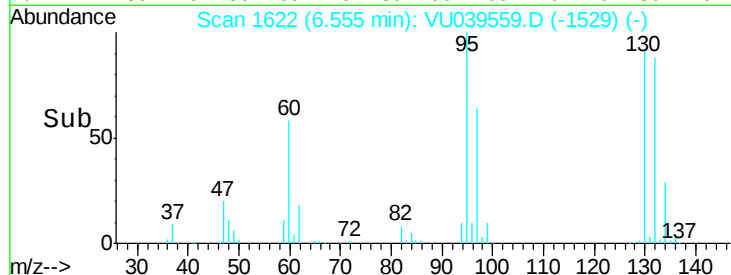
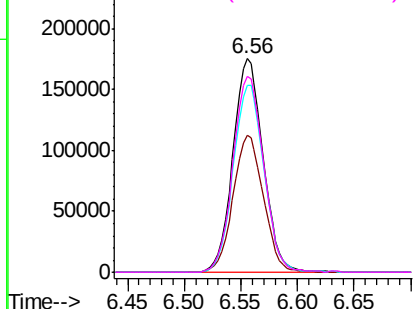
#34
 Trichloroethene
 Concen: 44.284 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039559.D
 Acq: 17 Jul 2020 18:44

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT90

Tot Ion: 95 Resp: 325902
 Ion Ratio Lower Upper
 95 100
 97 64.0 46.3 85.9
 132 87.3 64.0 118.8
 130 91.6 64.3 119.5

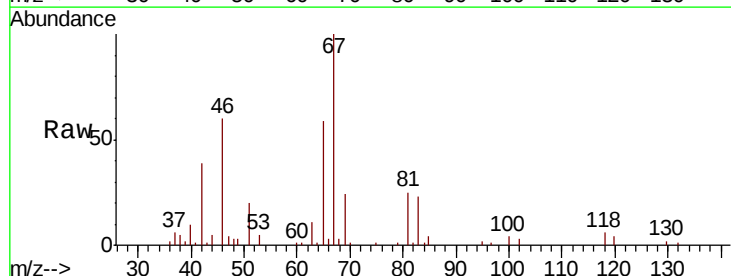


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

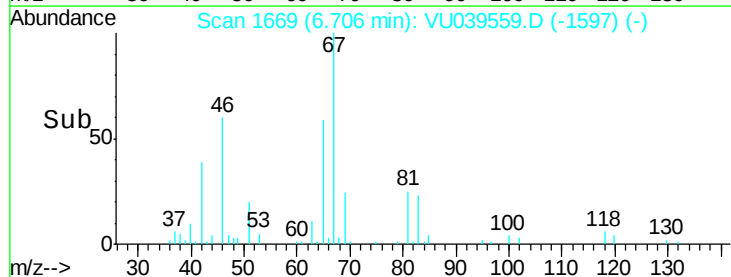
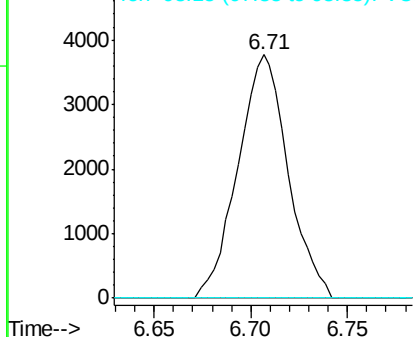


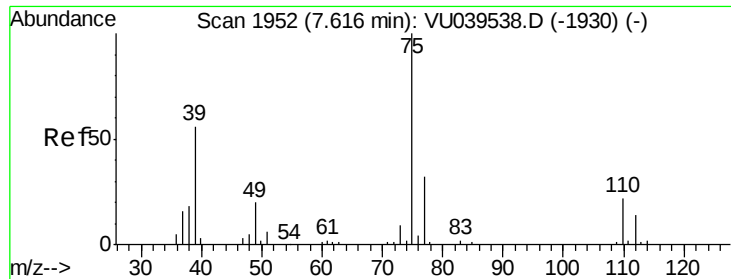
#35
 Methylcyclohexane
 Concen: 0.576 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.07 min
 Lab File: VU039559.D
 Acq: 17 Jul 2020 18:44

Tgt Ion: 83 Resp: 6792
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.1 93.1#
 98 0.0 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

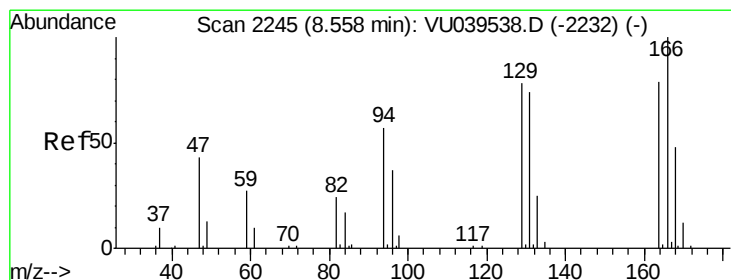
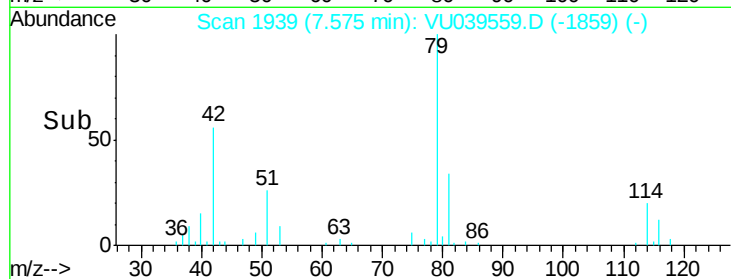
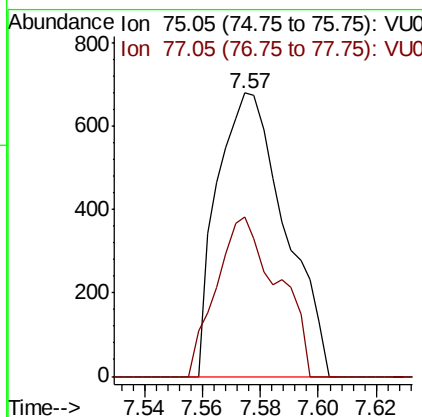
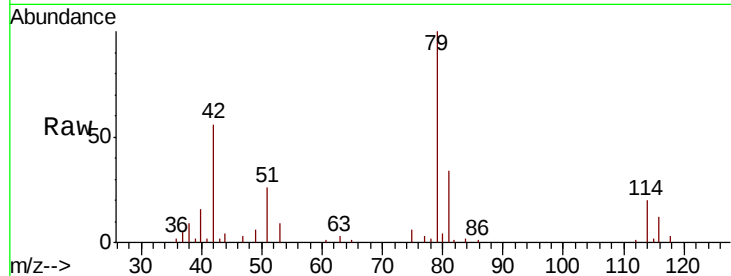




#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039559.D
 Acq: 17 Jul 2020 18:44

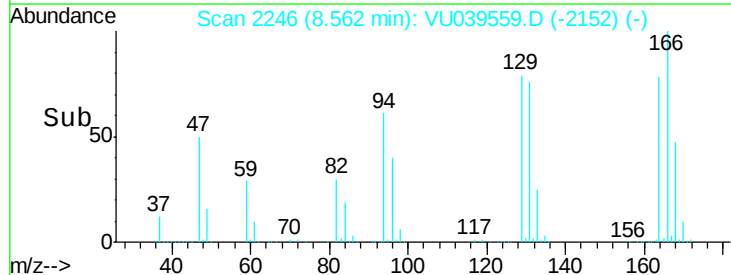
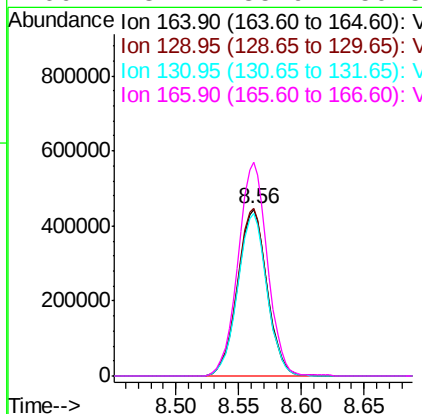
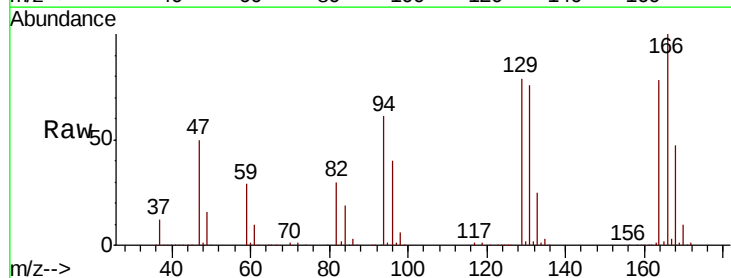
Instrument :
 MSVOA_U
 ClientSampleId :
 BFT90

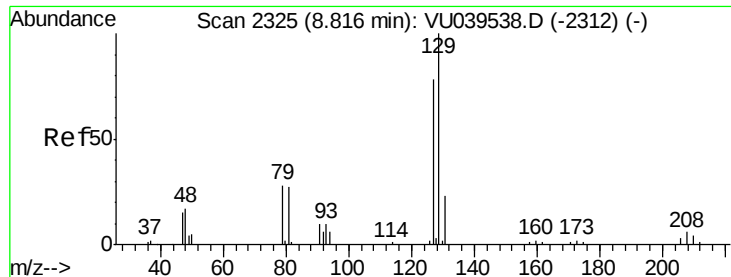
Tot Ion: 75 Resp: 1100
 Ion Ratio Lower Upper
 75 100
 77 56.4 22.3 41.3#



#47
 Tetrachloroethene
 Concen: 141.371 ug/L
 RT: 8.56 min Scan# 2246
 Delta R.T. 0.00 min
 Lab File: VU039559.D
 Acq: 17 Jul 2020 18:44

Tgt Ion: 164 Resp: 723683
 Ion Ratio Lower Upper
 164 100
 129 101.0 68.6 127.4
 131 97.4 66.4 123.4
 166 128.4 85.9 159.5





#49

Dibromochloromethane

Concen: 107.536 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU039559.D

Acq: 17 Jul 2020 18:44

Instrument :

MSVOA_U

ClientSampled :

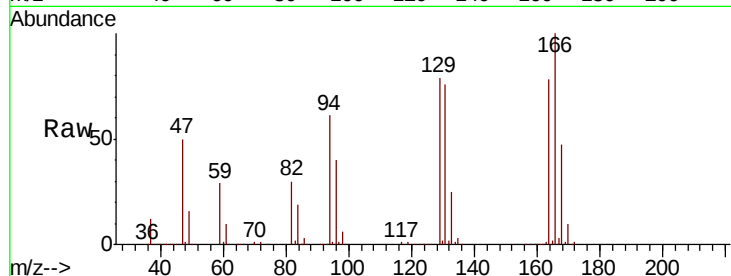
BFT90

Tot Ion:129 Resp: 726005

Ion Ratio Lower Upper

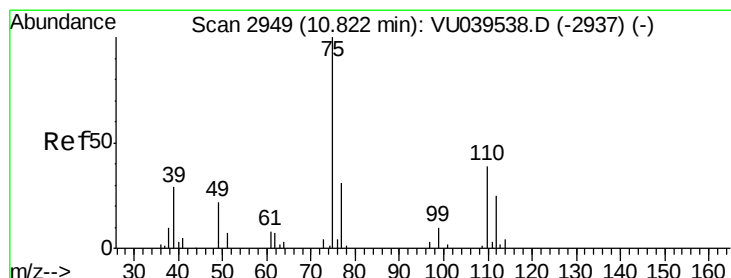
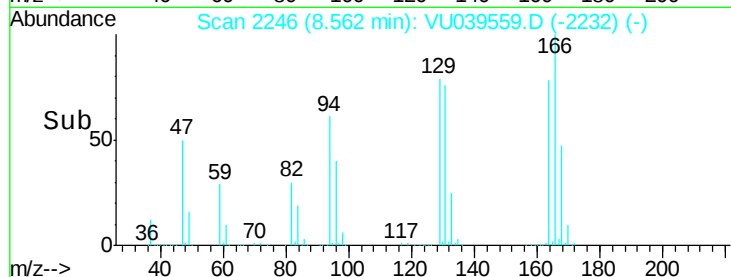
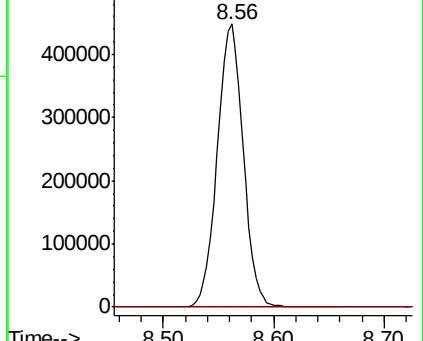
129 100

127 0.0 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: 1.202 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039559.D

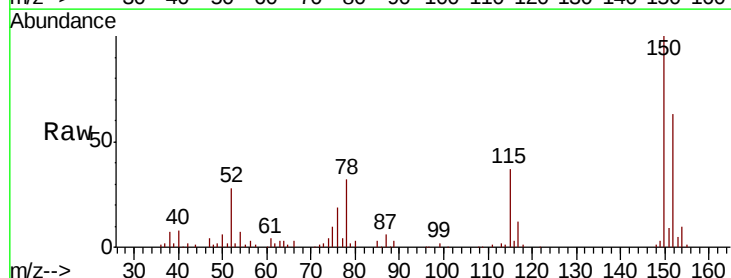
Acq: 17 Jul 2020 18:44

Tgt Ion: 75 Resp: 6874

Ion Ratio Lower Upper

75 100

77 33.9 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

