

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071720\
 Data File : VU039550.D
 Acq On : 17 Jul 2020 14:30
 Operator : SY/MD
 Sample : L3292-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT87

Quant Time: Jul 17 23:42:47 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	75863	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	75431	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	33633	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20959	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.92	69	24765	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.20%
11) 1,1-Dichloroethene-d2	2.58	63	33719	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.65	46	100330	49.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.74%
24) Chloroform-d	5.09	84	48553	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.72	65	32031	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.75	84	96046	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
36) 1,2-Dichloropropane-d6	6.71	67	33358	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.91	98	85097	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
43) trans-1,3-Dichloropropene-	8.19	79	13005	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.64	63	72123	43.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.32%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	28835	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	34455	5.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	1072	0.233	ug/L	100
3) Chloromethane	1.53	50	927	0.166	ug/L #	78
12) 1,1-Dichloroethene	2.59	96	1230	0.273	ug/L #	1
13) Acetone	2.65	43	3710	3.416	ug/L	100
16) Methylene chloride	3.06	84	638	0.112	ug/L	92
19) 1,1-Dichloroethane	3.89	63	7189	0.736	ug/L #	90
22) cis-1,2-Dichloroethene	4.69	96	3948	0.705	ug/L	78
25) Chloroform	5.11	83	9949	1.008	ug/L	94
34) Trichloroethene	6.56	95	2920	0.501	ug/L	93
35) Methylcyclohexane	6.70	83	7453	0.798	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	3991	0.649	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1329	0.143	ug/L #	77
47) Tetrachloroethene	8.56	164	1047	0.258	ug/L	83
48) 2-Hexanone	8.70	43	4027	1.065	ug/L #	45
49) Dibromochloromethane	8.56	129	1069	0.200	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5423	1.197	ug/L #	87

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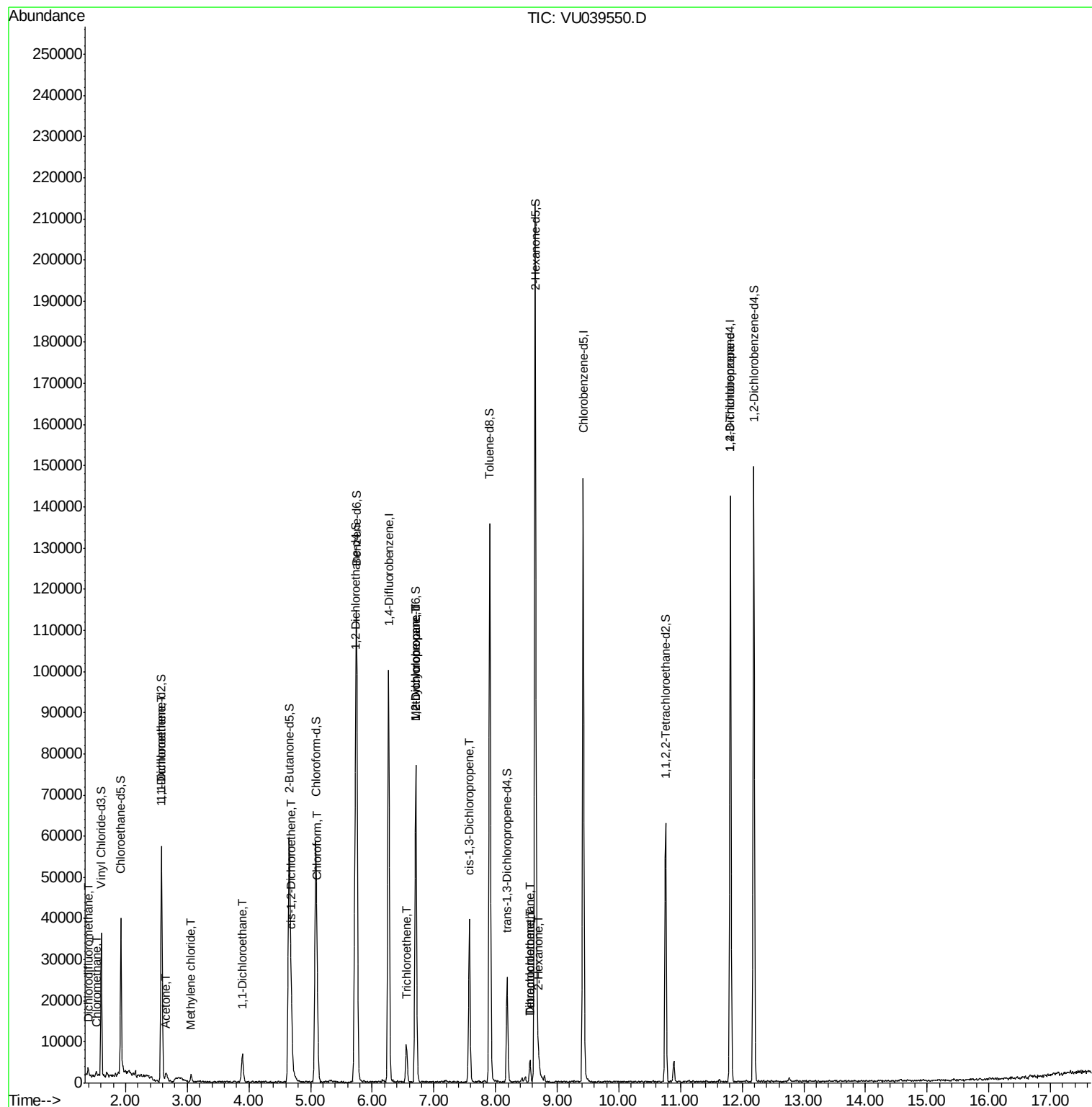
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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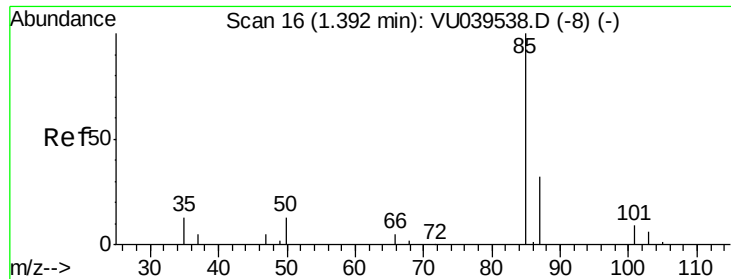
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.233 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039550.D

Acq: 17 Jul 2020 14:30

Instrument :

MSVOA_U

ClientSampleId :

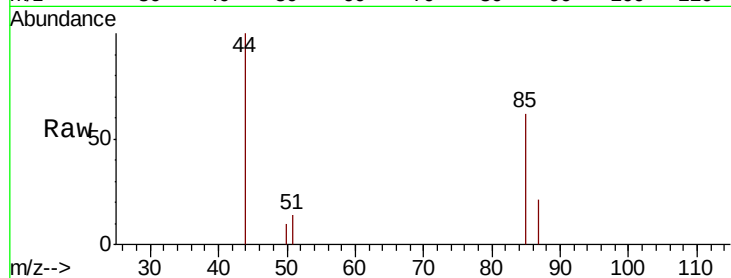
BFT87

Tot Ion: 85 Resp: 1072

Ion Ratio Lower Upper

85 100

87 31.5 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) (-)

1.39

1200

1000

800

600

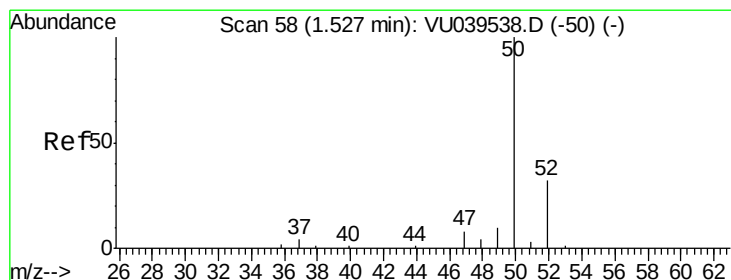
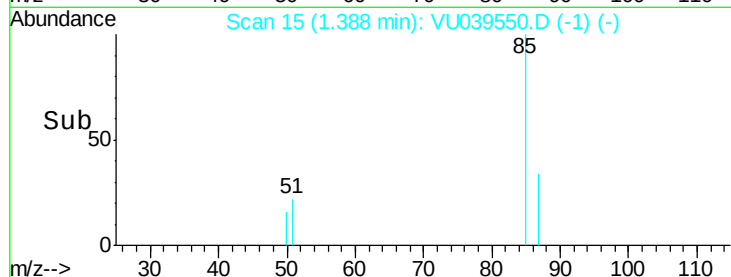
400

200

0

1.36 1.38 1.40 1.42

Time-->



#3

Chloromethane

Concen: 0.166 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039550.D

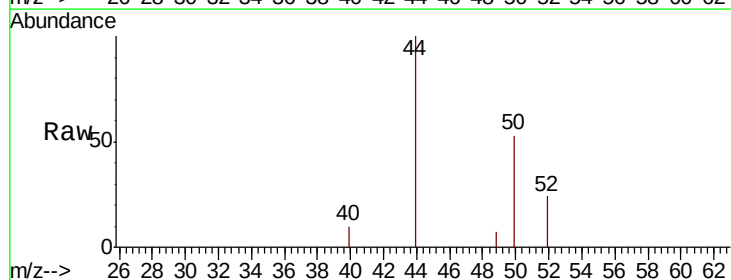
Acq: 17 Jul 2020 14:30

Tgt Ion: 50 Resp: 927

Ion Ratio Lower Upper

50 100

52 45.1 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

800

600

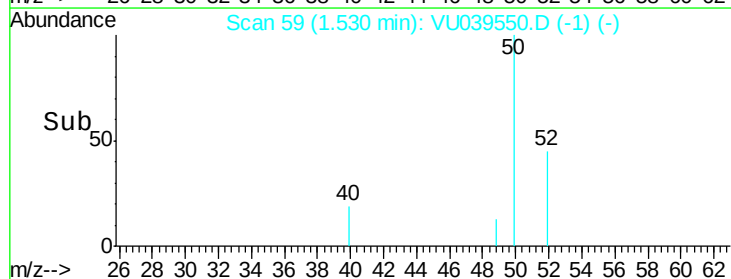
400

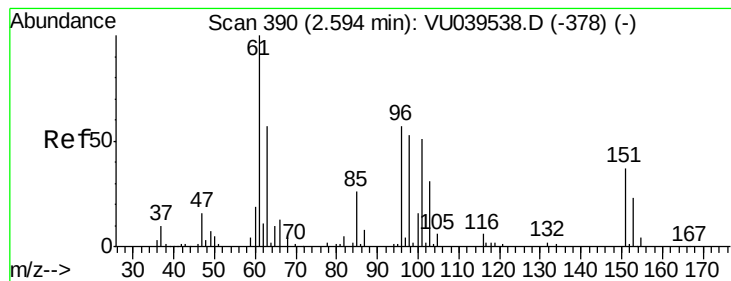
200

0

1.50 1.52 1.54 1.56

Time-->





#12

1,1-Dichloroethene

Concen: 0.273 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039550.D

Acq: 17 Jul 2020 14:30

Instrument :

MSVOA_U

ClientSampleId :

BFT87

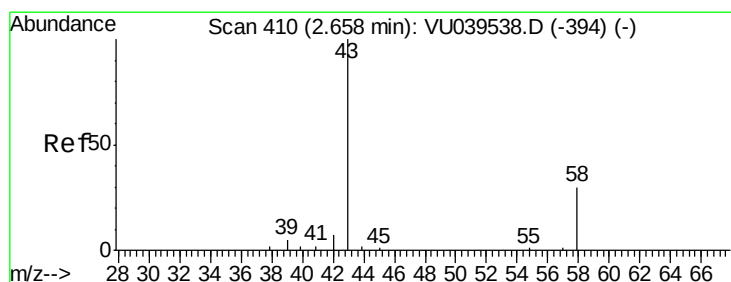
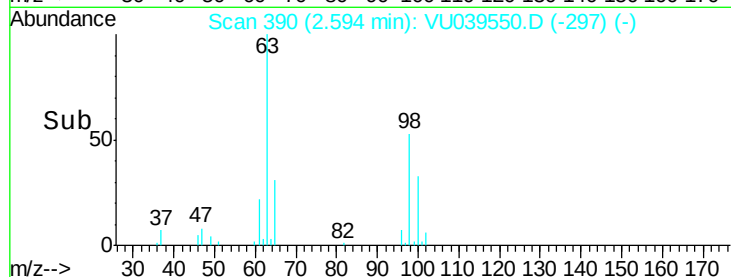
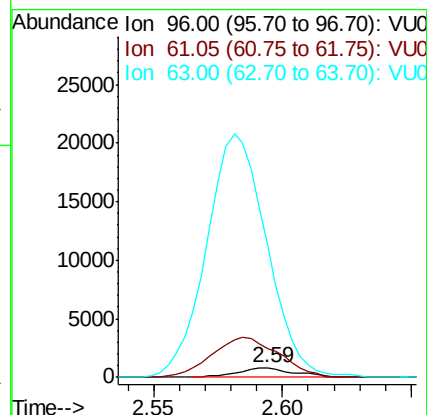
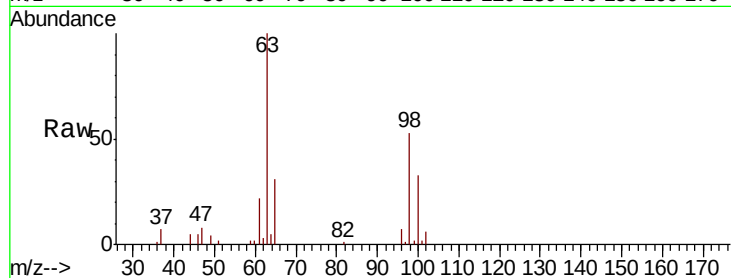
Tot Ion: 96 Resp: 1230

Ion Ratio Lower Upper

96 100

61 307.7 125.4 232.8#

63 1381.2 92.7 172.3#



#13

Acetone

Concen: 3.416 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU039550.D

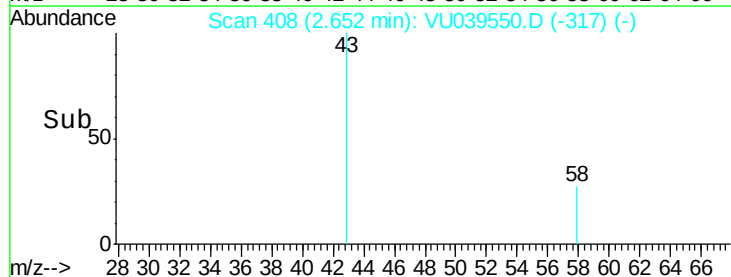
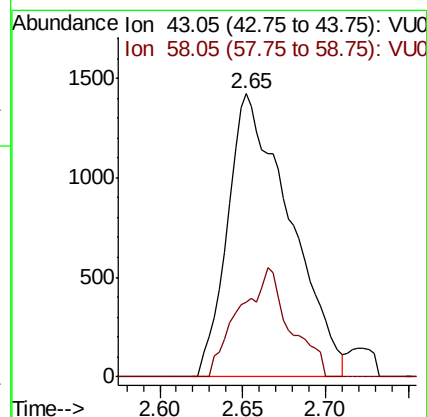
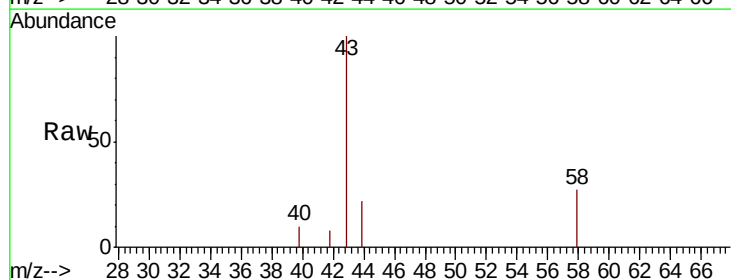
Acq: 17 Jul 2020 14:30

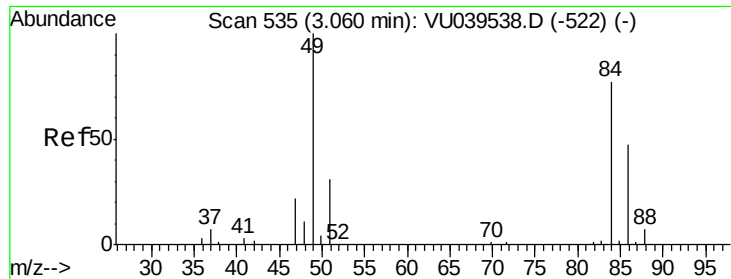
Tgt Ion: 43 Resp: 3710

Ion Ratio Lower Upper

43 100

58 31.2 0.0 62.8

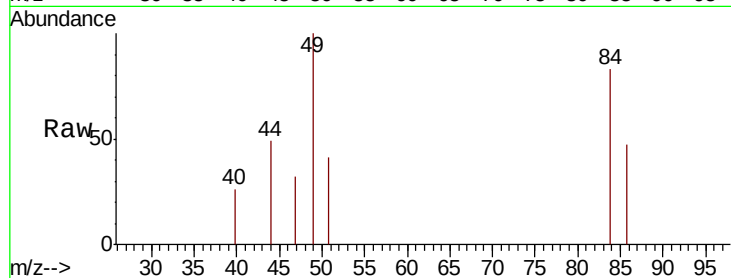




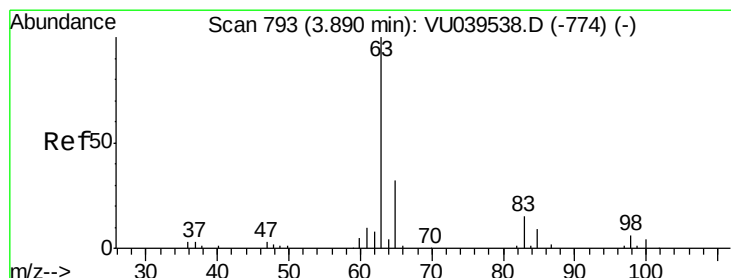
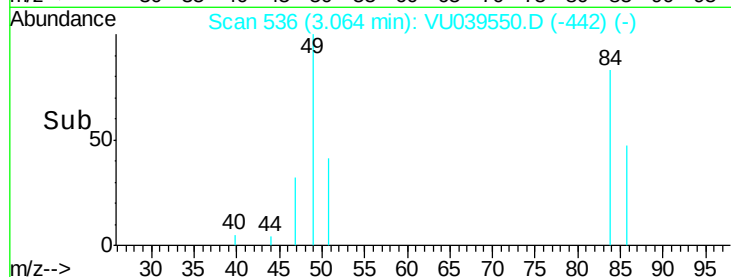
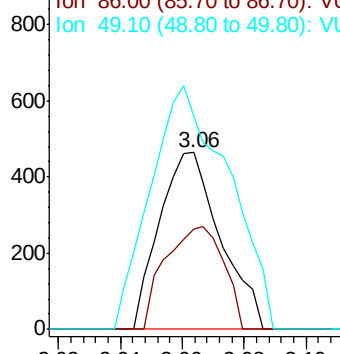
#16
Methylene chloride
Concen: 0.112 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039550.D
Acq: 17 Jul 2020 14:30

Instrument :
MSVOA_U
ClientSampleId :
BFT87

Tot Ion: 84 Resp: 638
Ion Ratio Lower Upper
84 100
86 57.1 43.5 80.9
49 120.3 91.1 169.1

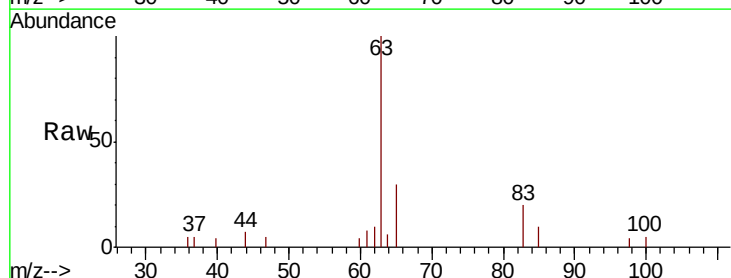


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

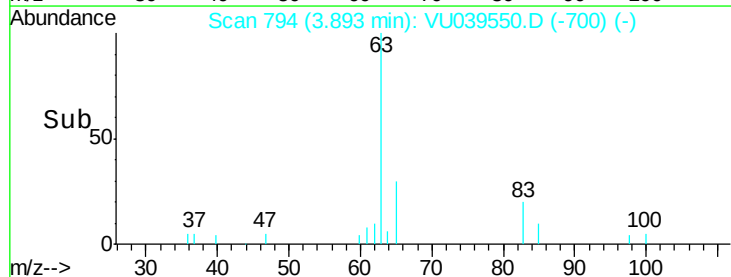
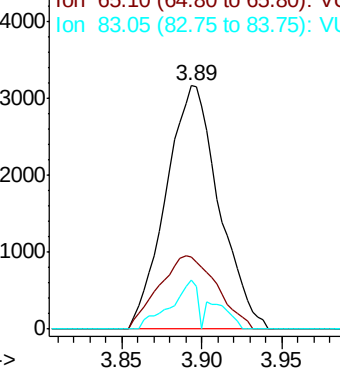


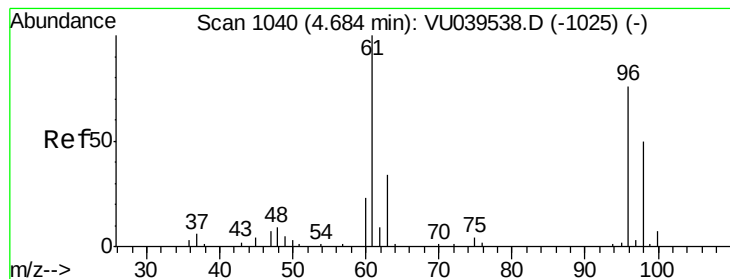
#19
1,1-Dichloroethane
Concen: 0.736 ug/L
RT: 3.89 min Scan# 794
Delta R.T. 0.00 min
Lab File: VU039550.D
Acq: 17 Jul 2020 14:30

Tgt Ion: 63 Resp: 7189
Ion Ratio Lower Upper
63 100
65 28.2 23.0 42.6
83 19.0 9.6 17.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.705 ug/L

RT: 4.69 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VU039550.D

Acq: 17 Jul 2020 14:30

Instrument :

MSVOA_U

ClientSampleId :

BFT87

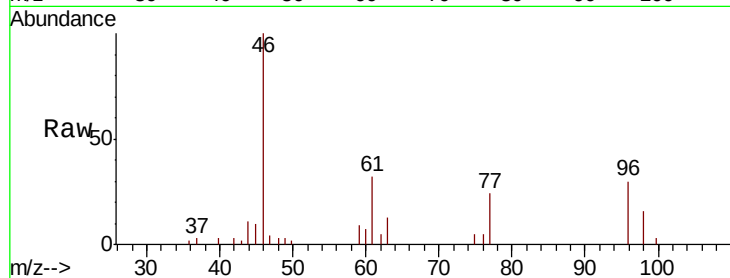
Tot Ion: 96 Resp: 3948

Ion Ratio Lower Upper

96 100

61 106.8 92.8 172.4

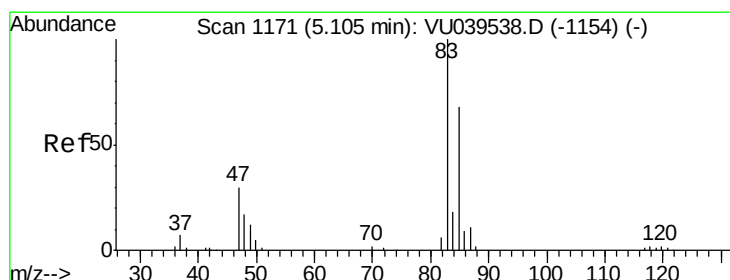
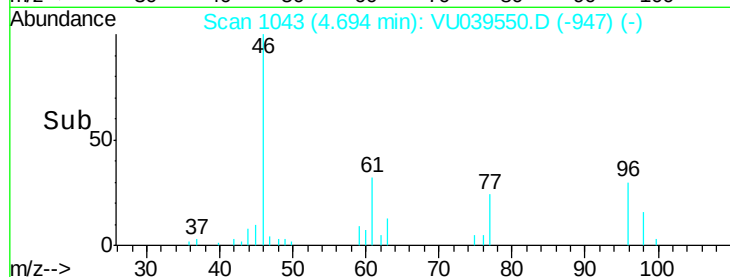
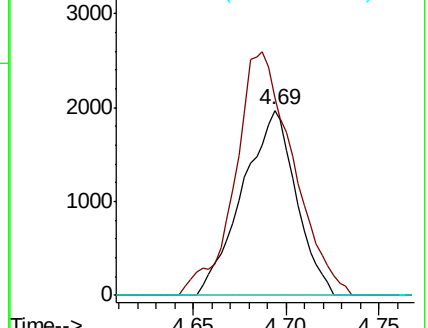
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039550.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU039550.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU039550.D (-947) (-)



#25

Chloroform

Concen: 1.008 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU039550.D

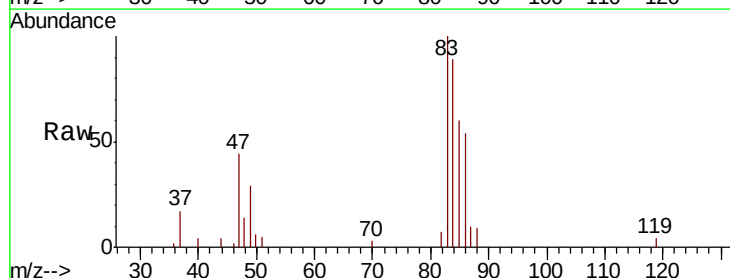
Acq: 17 Jul 2020 14:30

Tgt Ion: 83 Resp: 9949

Ion Ratio Lower Upper

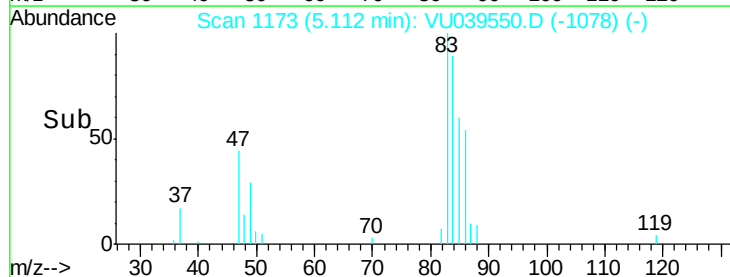
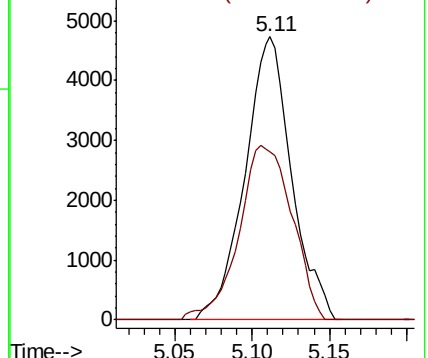
83 100

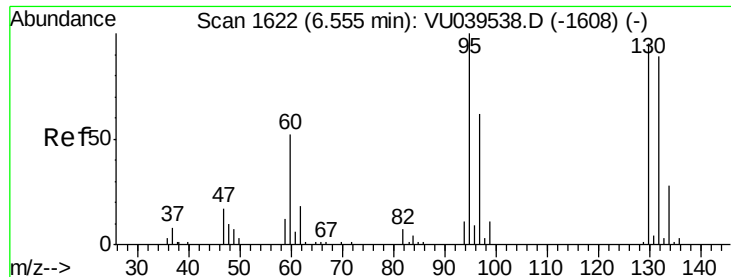
85 59.6 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039550.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU039550.D (-1078) (-)

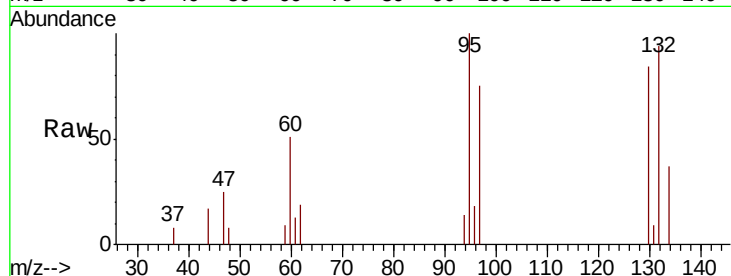




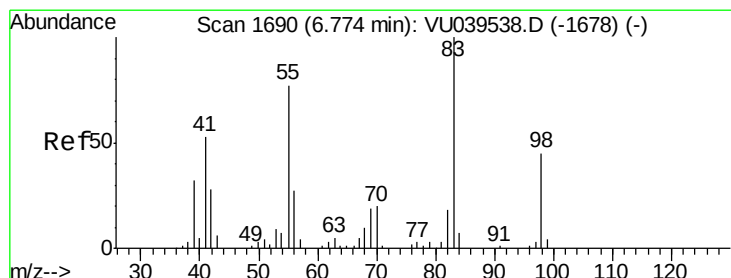
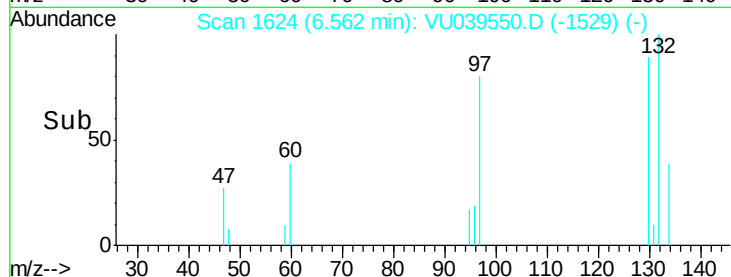
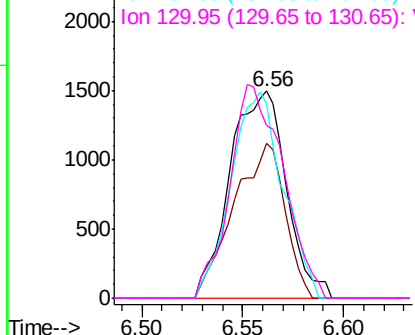
#34
 Trichloroethene
 Concen: 0.501 ug/L
 RT: 6.56 min Scan# 1624
 Delta R.T. 0.01 min
 Lab File: VU039550.D
 Acq: 17 Jul 2020 14:30

Instrument :
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 BFT87

Tot Ion: 95 Resp: 2920
 Ion Ratio Lower Upper
 95 100
 97 74.8 46.3 85.9
 132 94.0 64.0 118.8
 130 83.7 64.3 119.5

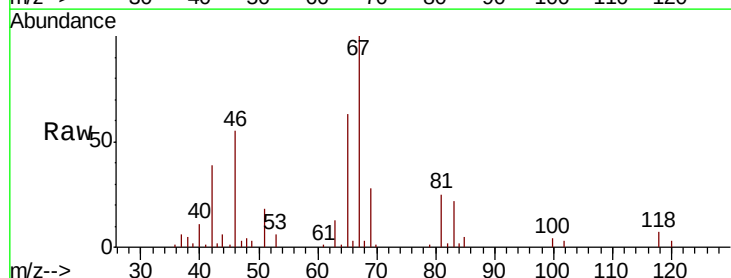


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

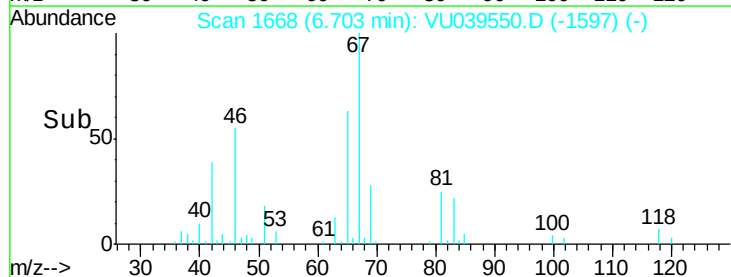
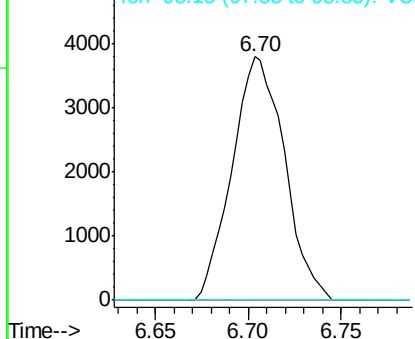


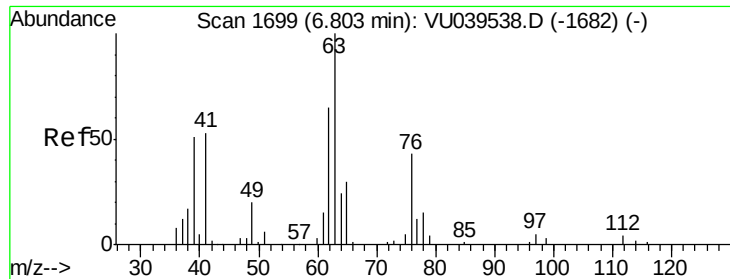
#35
 Methylcyclohexane
 Concen: 0.798 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU039550.D
 Acq: 17 Jul 2020 14:30

Tgt Ion: 83 Resp: 7453
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.1 93.1#
 98 0.9 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

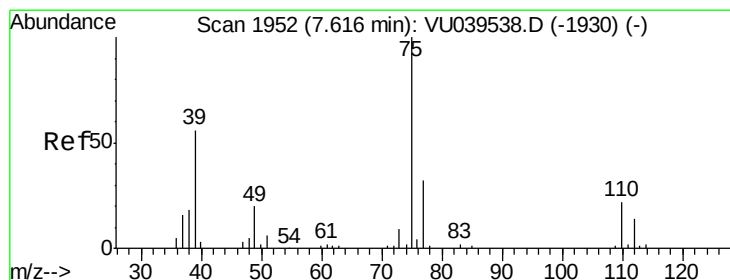
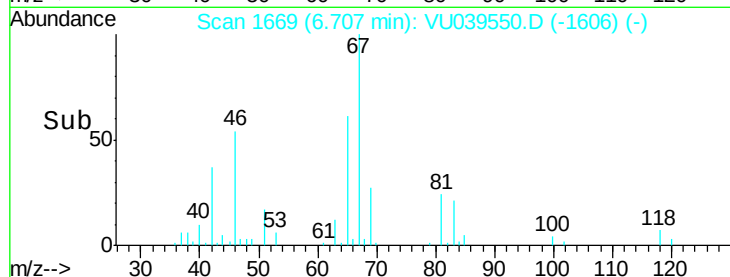
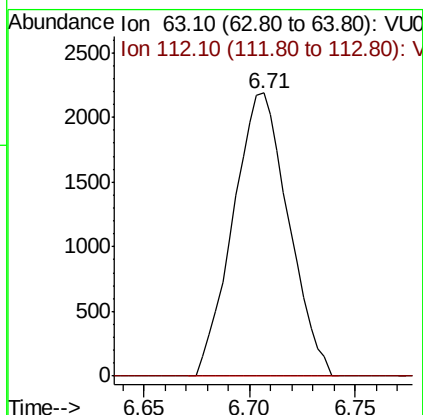
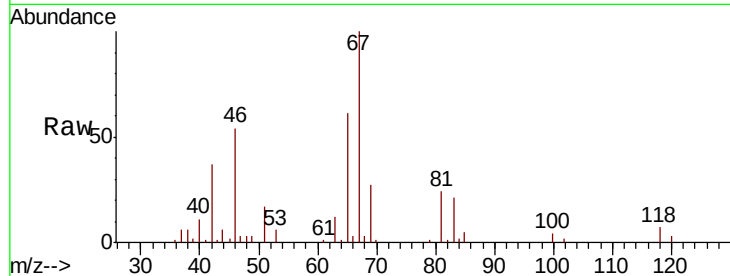




#37
 1,2-Dichloropropane
 Concen: 0.649 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039550.D
 Acq: 17 Jul 2020 14:30

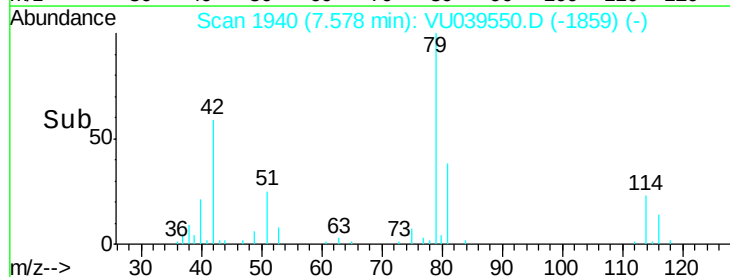
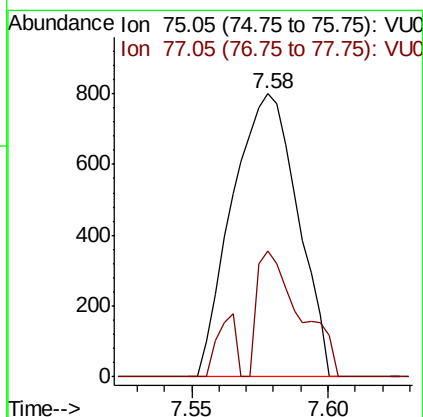
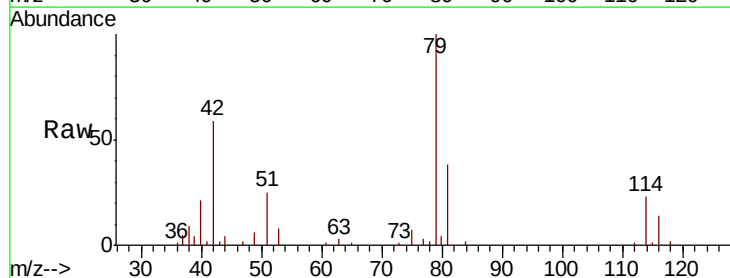
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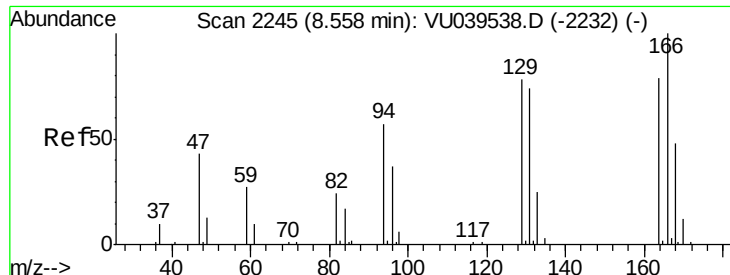
Tot Ion: 63 Resp: 3991
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.143 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039550.D
 Acq: 17 Jul 2020 14:30

Tgt Ion: 75 Resp: 1329
 Ion Ratio Lower Upper
 75 100
 77 44.7 22.3 41.3#





#47

Tetrachloroethene

Concen: 0.258 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039550.D

Acq: 17 Jul 2020 14:30

Instrument :
MSVOA_U
ClientSampleId :
BFT87

Tot Ion:164 Resp: 1047

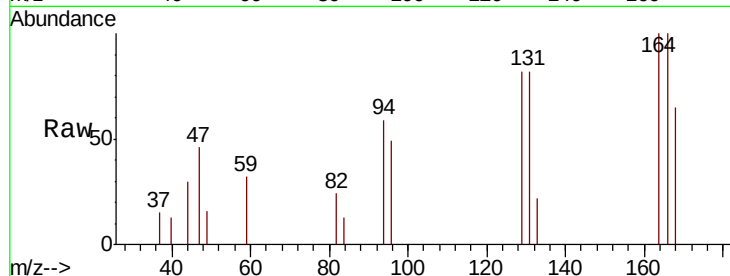
Ion Ratio Lower Upper

164 100

129 82.0 68.6 127.4

131 82.0 66.4 123.4

166 100.1 85.9 159.5

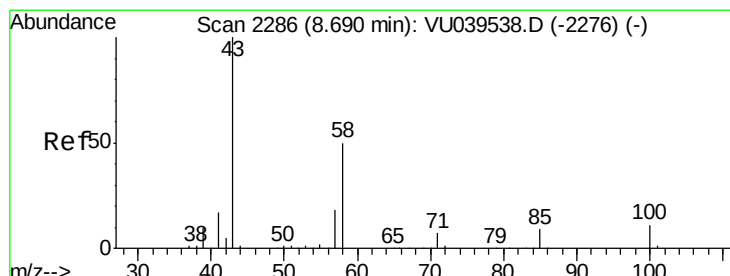
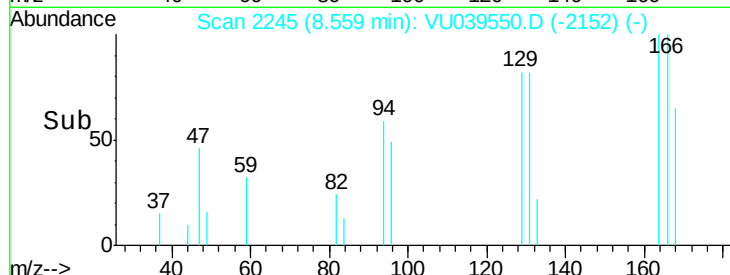
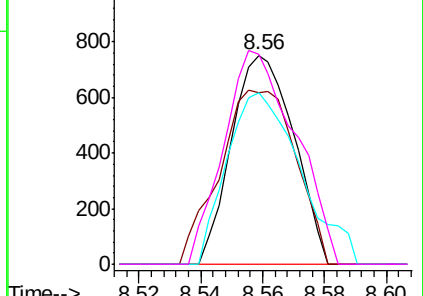


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 1.065 ug/L

RT: 8.70 min Scan# 2288

Delta R.T. 0.01 min

Lab File: VU039550.D

Acq: 17 Jul 2020 14:30

Tgt Ion: 43 Resp: 4027

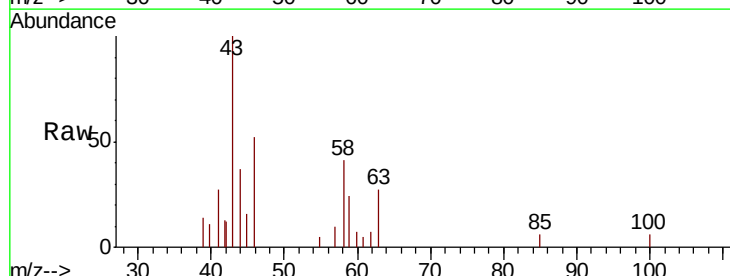
Ion Ratio Lower Upper

43 100

58 0.0 42.0 63.0#

57 10.0 14.0 21.0#

100 2.4 8.2 12.2#

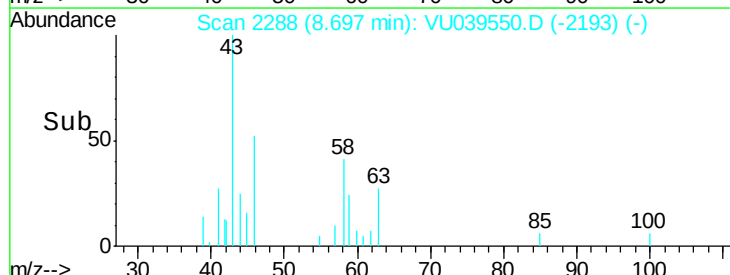
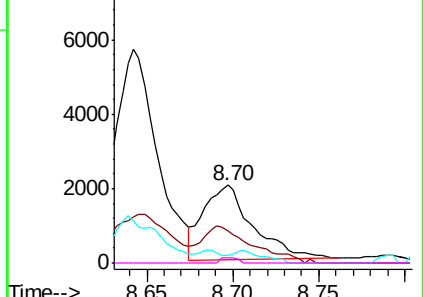


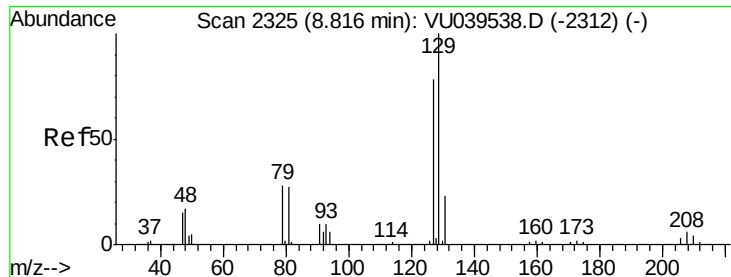
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.200 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU039550.D

Acq: 17 Jul 2020 14:30

Instrument :

MSVOA_U

ClientSampled :

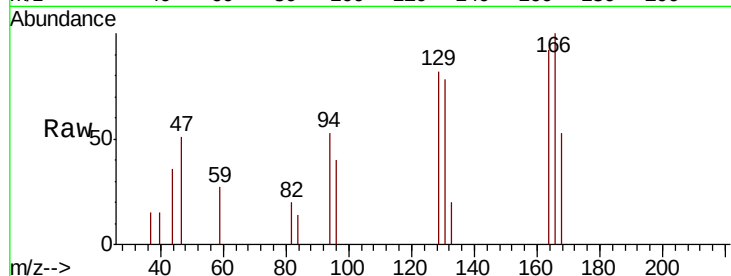
BFT87

Tot Ion:129 Resp: 1069

Ion Ratio Lower Upper

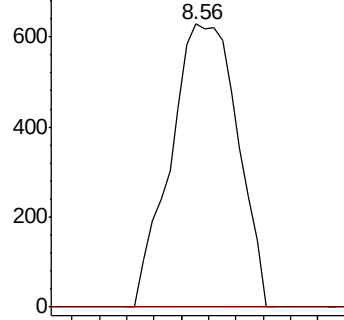
129 100

127 0.0 55.4 102.8#

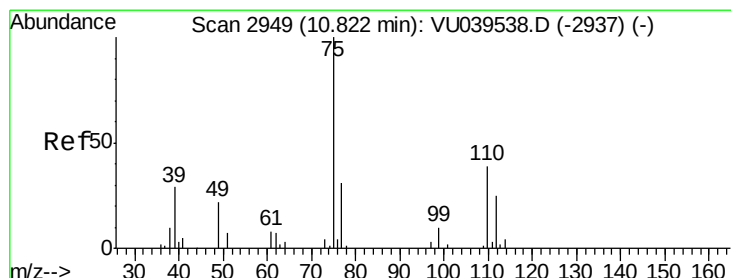
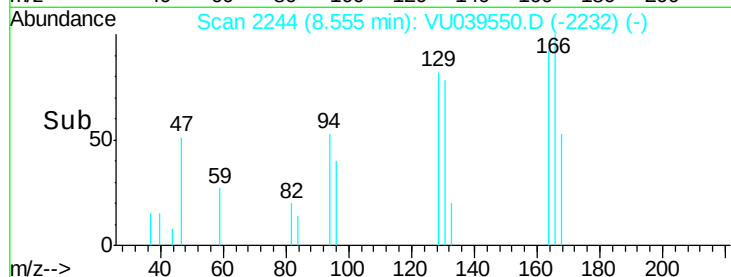


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



Time-->



#59

1,2,3-Trichloropropane

Concen: 1.197 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039550.D

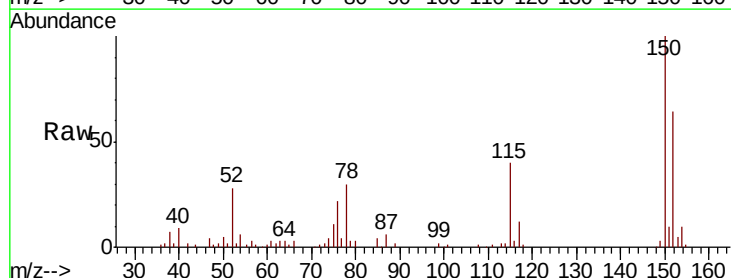
Acq: 17 Jul 2020 14:30

Tgt Ion: 75 Resp: 5423

Ion Ratio Lower Upper

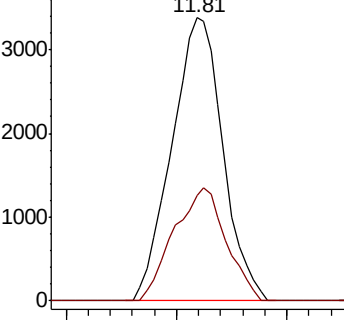
75 100

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



Time-->

