

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061620\
 Data File : VU038924.D
 Acq On : 16 Jun 2020 15:31
 Operator : SY/MD
 Sample : L2985-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT76

Quant Time: Jun 17 03:58:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 17 02:00:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	287581	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	288348	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	144091	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	92512	6.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	129.20%
7) Chloroethane-d5	1.93	69	89246	6.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	126.80%
11) 1,1-Dichloroethene-d2	2.59	63	140729	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	4.68	46	231719	44.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.36%
24) Chloroform-d	5.10	84	183106	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.74	65	109295	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	5.76	84	359727	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.00%
36) 1,2-Dichloropropane-d6	6.72	67	110194	5.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.20%
41) Toluene-d8	7.92	98	299580	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	8.20	79	44421	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.66	63	261379	59.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.92%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	95603	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	119918	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

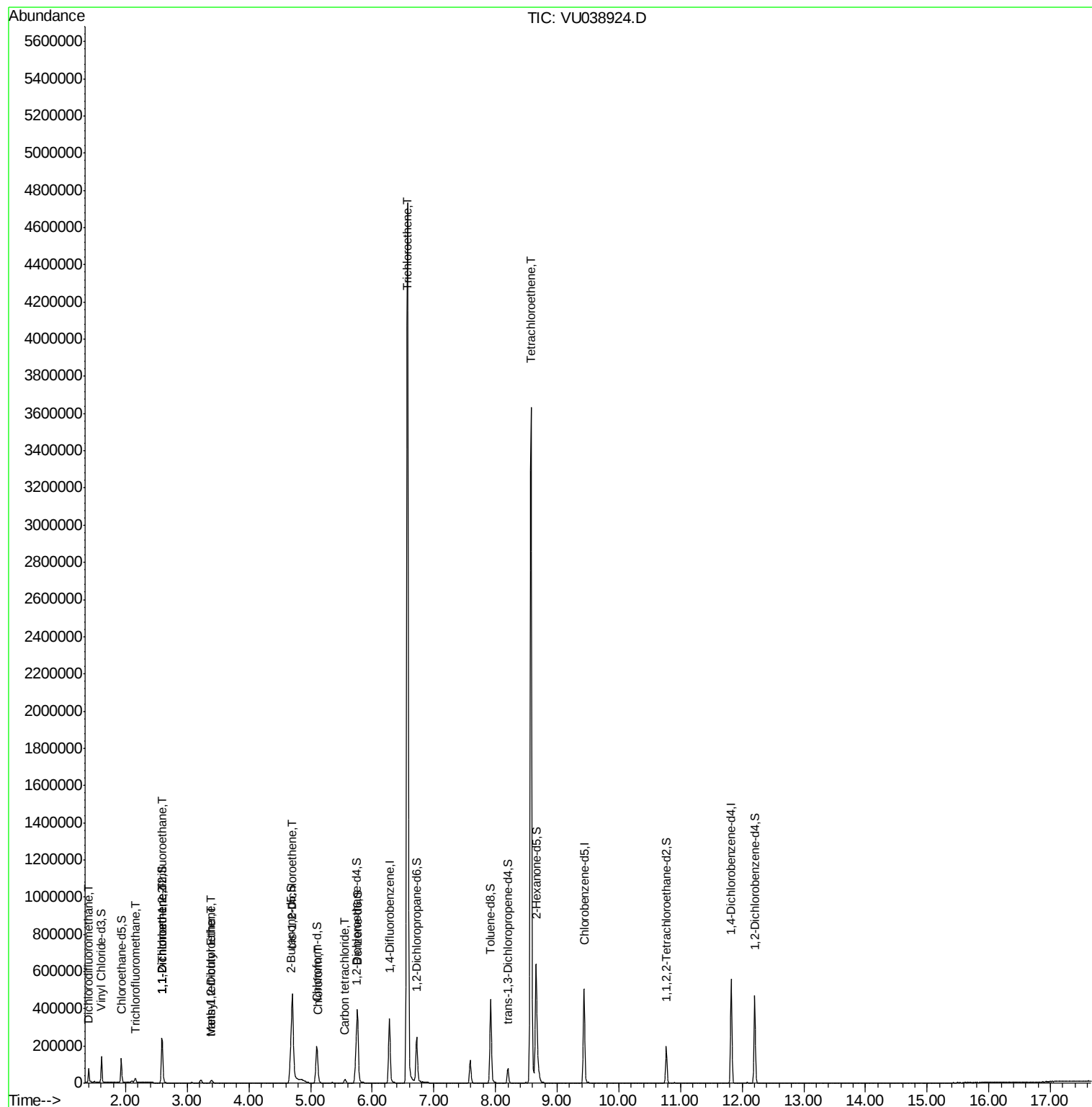
					Ovalue
2) Dichlorodifluoromethane	1.40	85	6023	0.215 ug/L	97
9) Trichlorofluoromethane	2.16	101	12777	0.299 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4717	0.222 ug/L #	81
12) 1,1-Dichloroethene	2.60	96	6622	0.326 ug/L #	1
17) Methyl tert-butyl Ether	3.40	73	7990	0.154 ug/L #	92
18) trans-1,2-Dichloroethene	3.39	96	3645	0.169 ug/L	93
22) cis-1,2-Dichloroethene	4.71	96	213740	9.493 ug/L	94
25) Chloroform	5.12	83	12132	0.295 ug/L	92
31) Carbon tetrachloride	5.56	117	12373	0.407 ug/L	97
34) Trichloroethene	6.57	95	1602752	71.665 ug/L	98
47) Tetrachloroethene	8.57	164	821774	47.945 ug/L	99

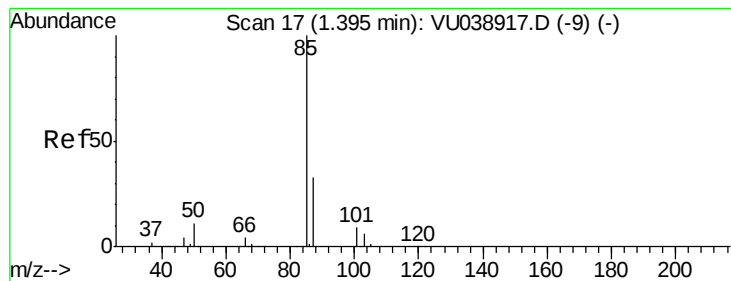
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.215 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038924.D

Acq: 16 Jun 2020 15:31

Instrument :

MSVOA_U

ClientSampled :

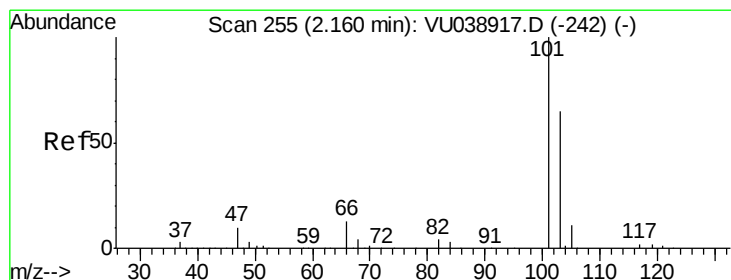
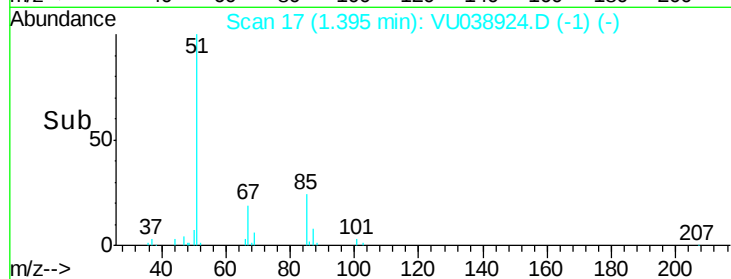
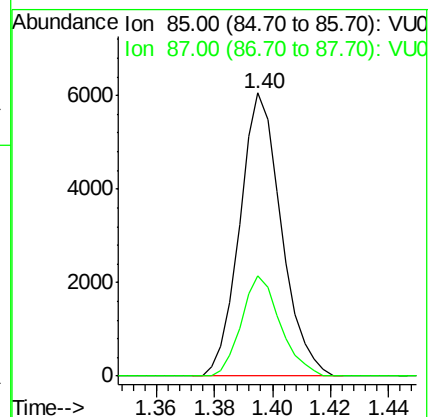
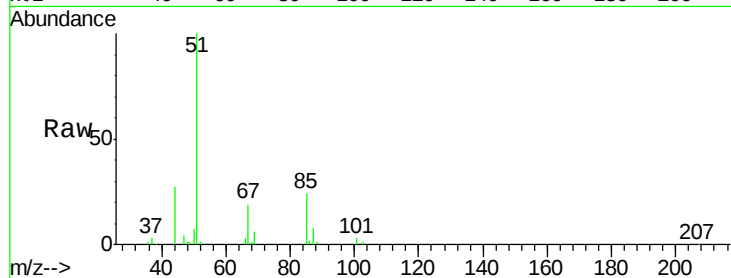
BFT76

Tot Ion: 85 Resp: 6023

Ion Ratio Lower Upper

85 100

87 33.2 25.0 37.6



#9

Trichlorofluoromethane

Concen: 0.299 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038924.D

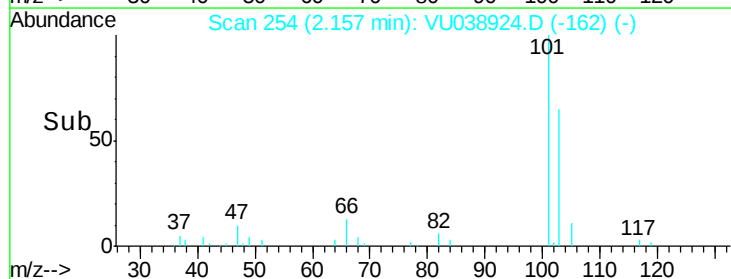
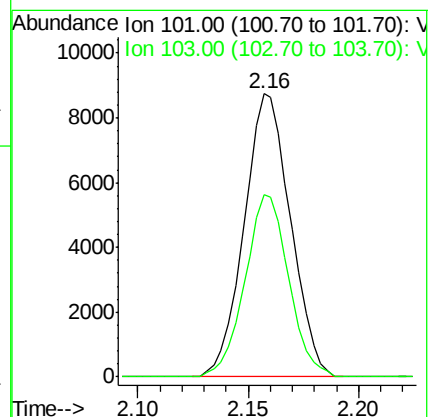
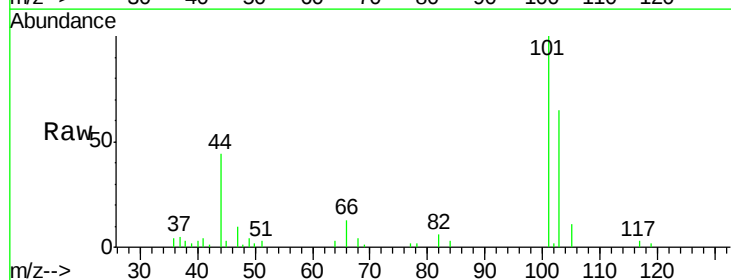
Acq: 16 Jun 2020 15:31

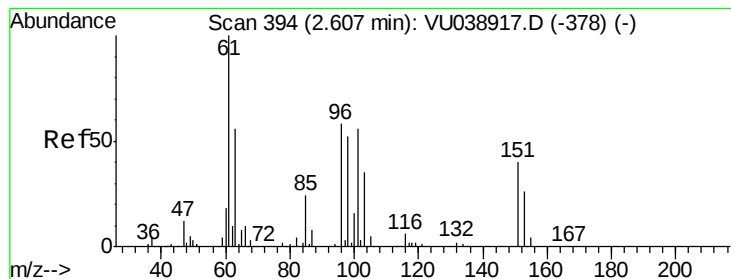
Tgt Ion: 101 Resp: 12777

Ion Ratio Lower Upper

101 100

103 60.6 51.1 76.7





#10

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

Concen: 0.222 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU038924.D

Acq: 16 Jun 2020 15:31

Instrument :

MSVOA_U

ClientSampleId :

BFT76

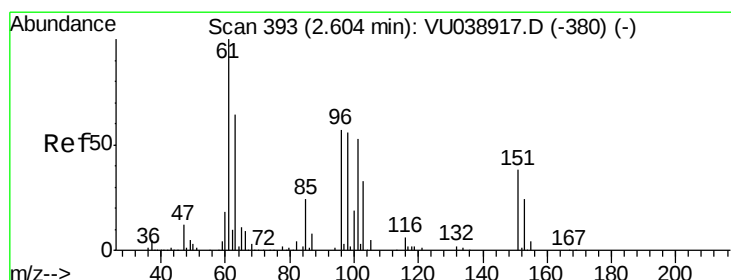
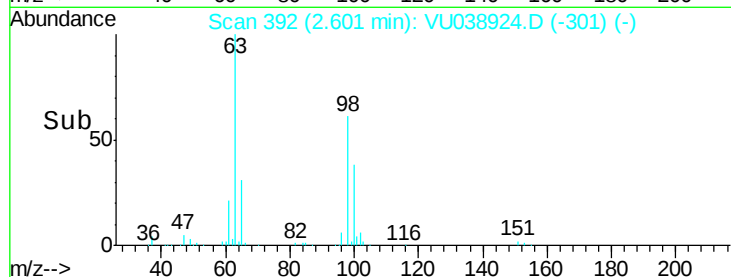
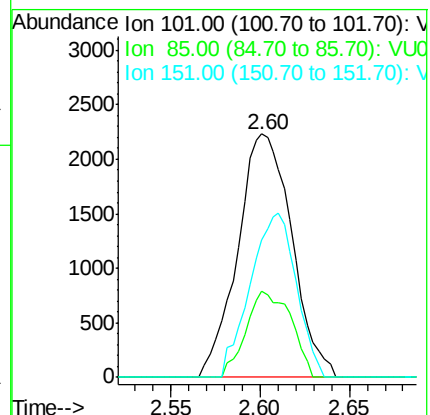
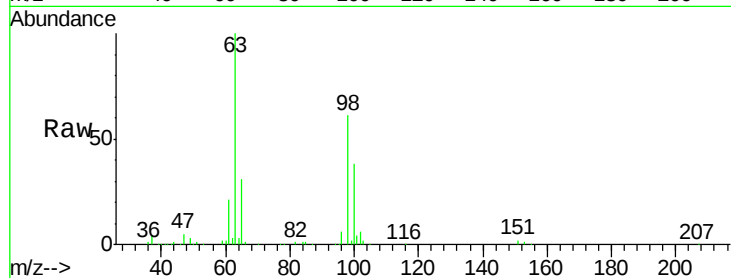
Tot Ion:101 Resp: 4717

Ion Ratio Lower Upper

101 100

85 29.5 35.3 52.9#

151 57.3 57.4 86.2#



#12

1,1-Dichloroethene

Concen: 0.326 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU038924.D

Acq: 16 Jun 2020 15:31

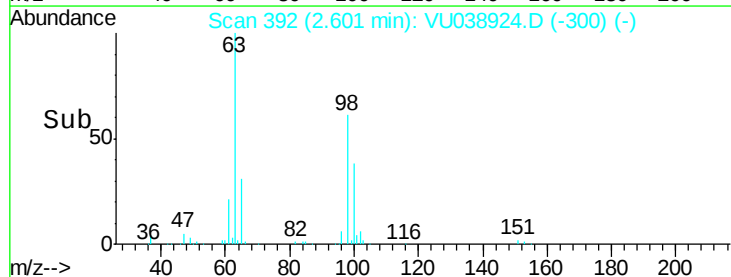
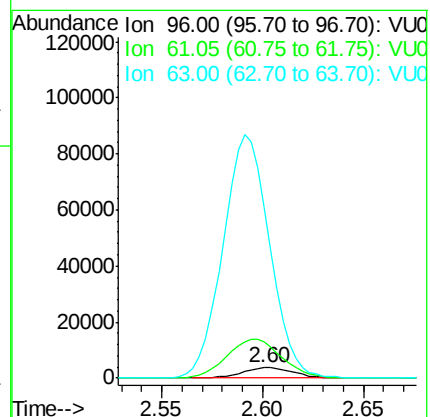
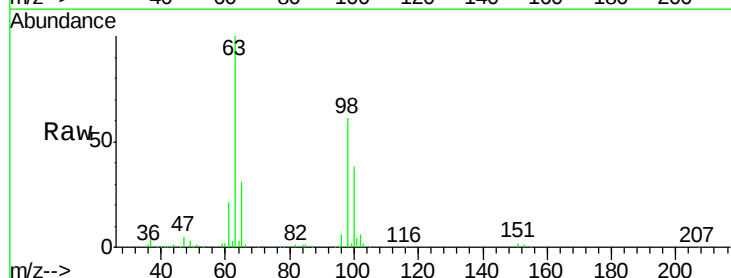
Tgt Ion: 96 Resp: 6622

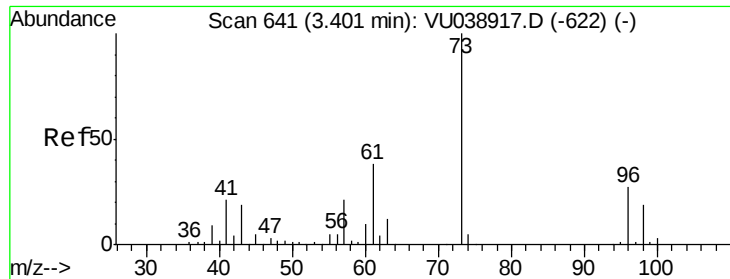
Ion Ratio Lower Upper

96 100

61 339.2 124.9 232.1#

63 1617.4 79.1 146.9#

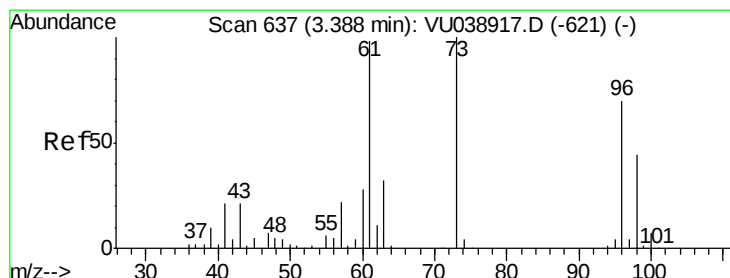
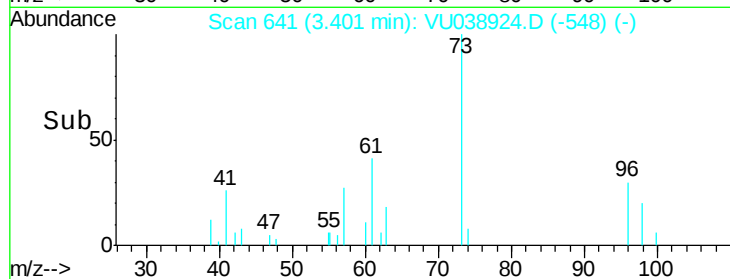
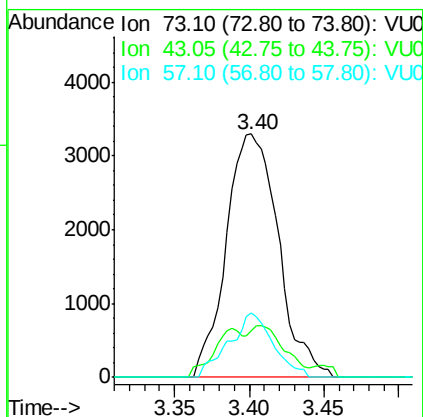
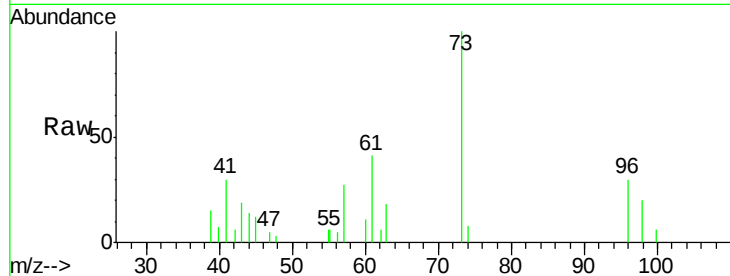




#17
Methvl tert-butvl Ether
Concen: 0.154 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038924.D
Acq: 16 Jun 2020 15:31

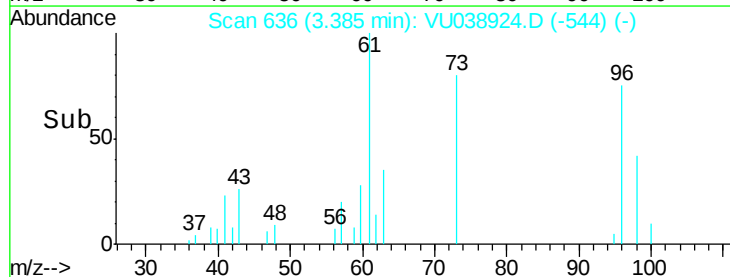
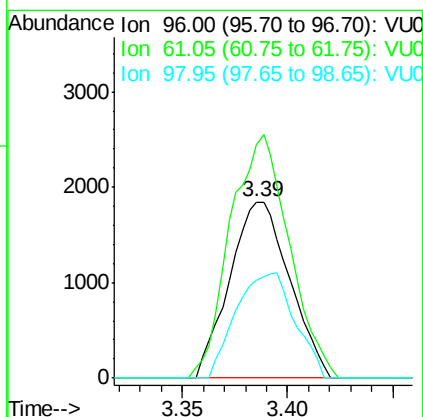
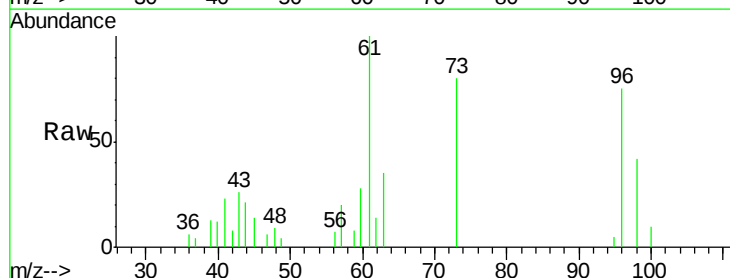
Instrument :
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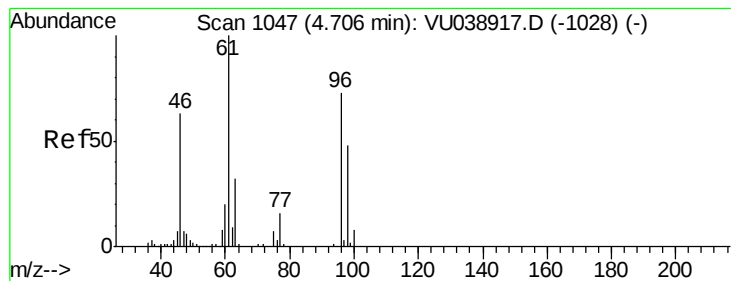
Tot Ion: 73 Resp: 7990
Ion Ratio Lower Upper
73 100
43 13.9 16.6 24.8#
57 22.5 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 0.169 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038924.D
Acq: 16 Jun 2020 15:31

Tgt Ion: 96 Resp: 3645
Ion Ratio Lower Upper
96 100
61 132.5 97.6 181.4
98 55.5 44.5 82.7





#22

cis-1,2-Dichloroethene

Concen: 9.493 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038924.D

Acq: 16 Jun 2020 15:31

Instrument :

MSVOA_U

ClientSampleId :

BFT76

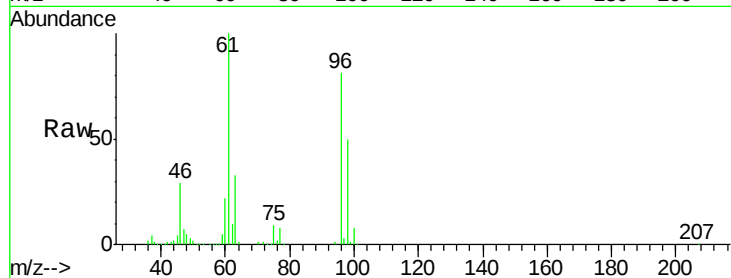
Tot Ion: 96 Resp: 213740

Ion Ratio Lower Upper

96 100

61 122.8 90.5 168.1

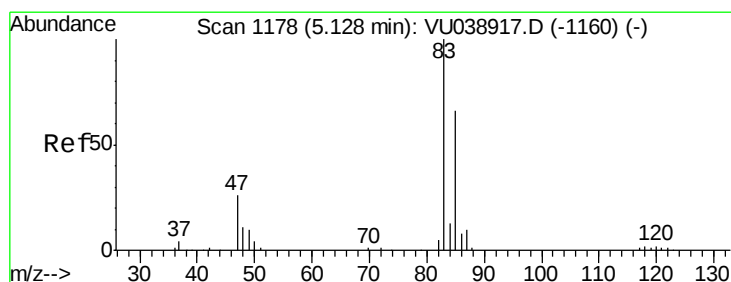
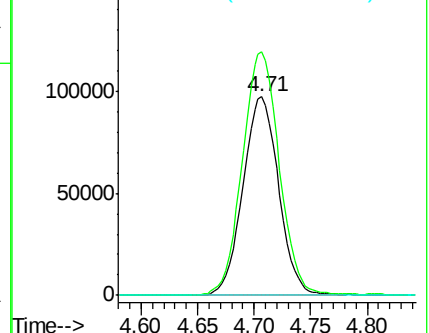
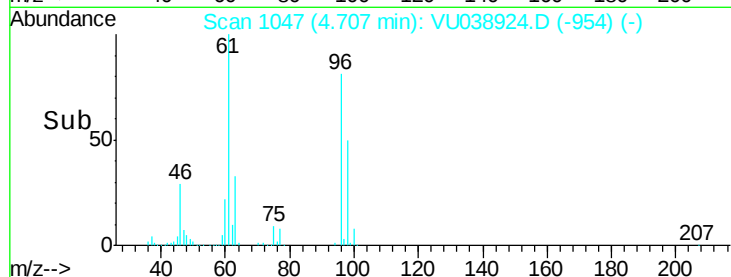
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038924.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038924.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038924.D (-954) (-)



#25

Chloroform

Concen: 0.295 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038924.D

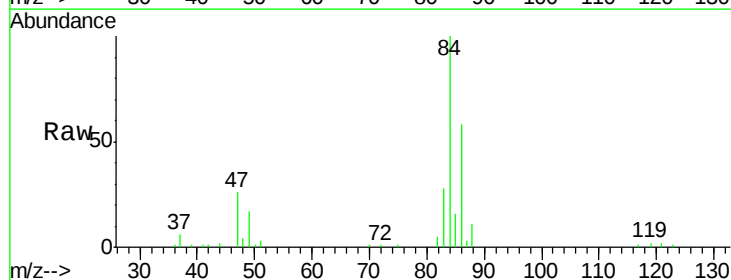
Acq: 16 Jun 2020 15:31

Tgt Ion: 83 Resp: 12132

Ion Ratio Lower Upper

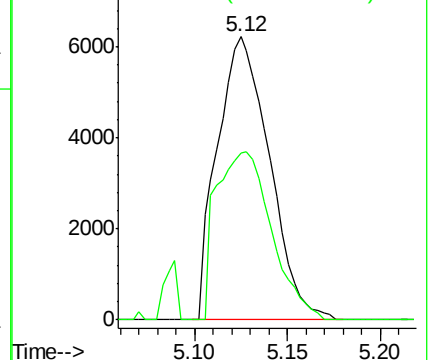
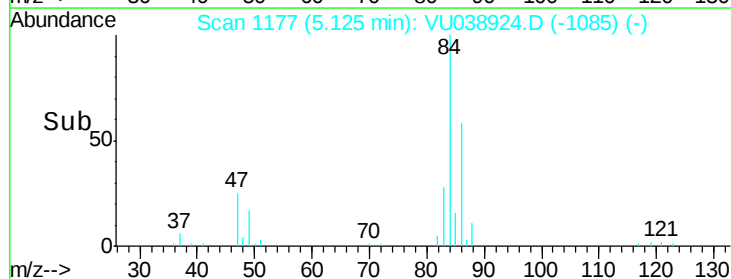
83 100

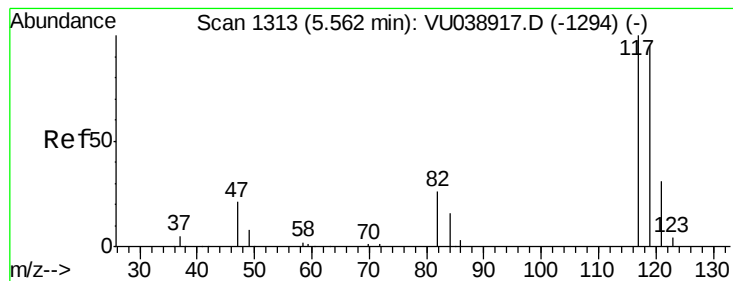
85 58.9 45.8 85.2



Abundance Ion 83.05 (82.75 to 83.75): VU038924.D (-1085) (-)

Ion 85.00 (84.70 to 85.70): VU038924.D (-1085) (-)





#31

Carbon tetrachloride

Concen: 0.407 ug/L

RT: 5.56 min Scan# 1311

Delta R.T. -0.01 min

Lab File: VU038924.D

Acq: 16 Jun 2020 15:31

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ClientSampleId :

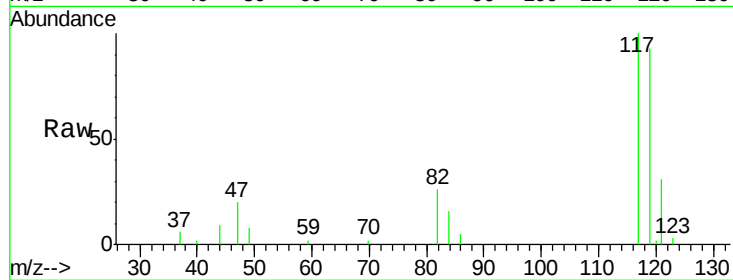
BFT76

Tot Ion:117 Resp: 12373

Ion Ratio Lower Upper

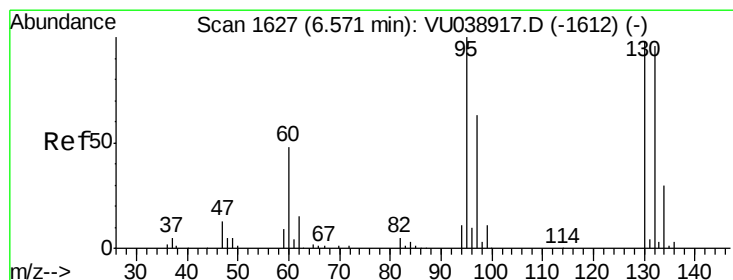
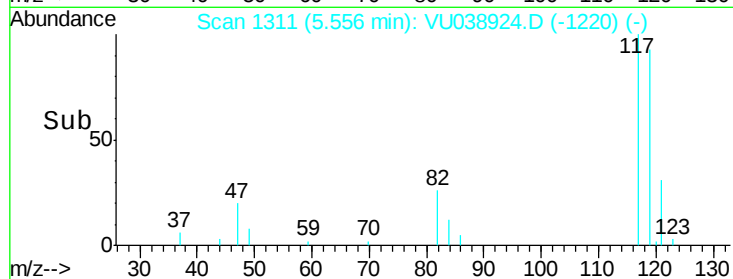
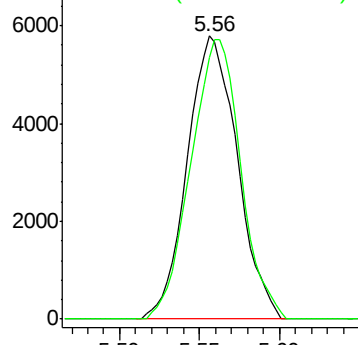
117 100

119 98.8 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 71.665 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038924.D

Acq: 16 Jun 2020 15:31

Tgt Ion: 95 Resp: 1602752

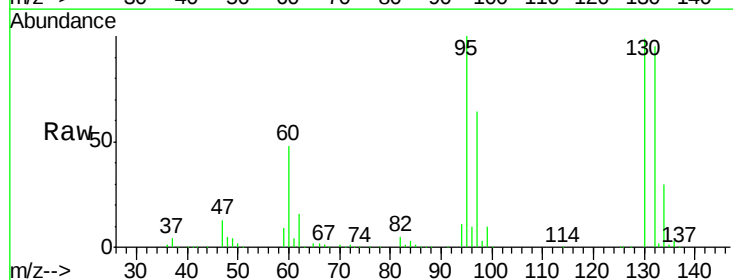
Ion Ratio Lower Upper

95 100

97 64.2 46.1 85.5

132 95.3 68.2 126.6

130 98.6 71.0 131.9

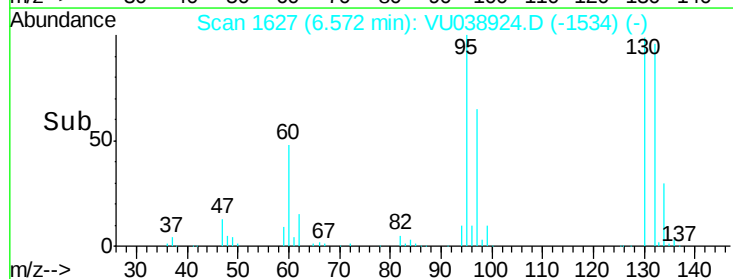
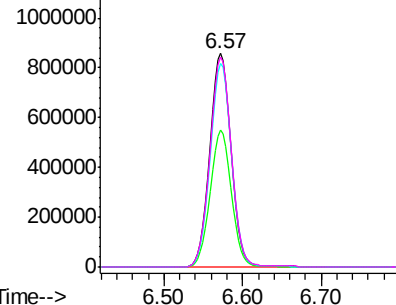


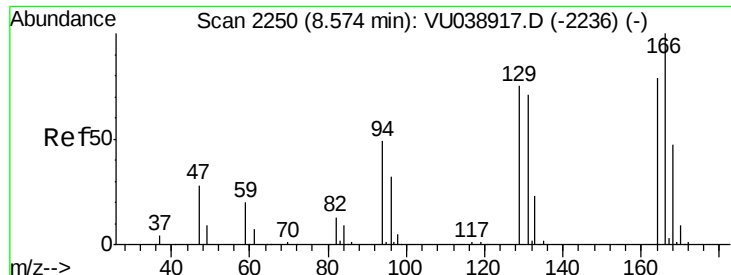
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0





#47

Tetrachloroethene

Concen: 47.945 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038924.D

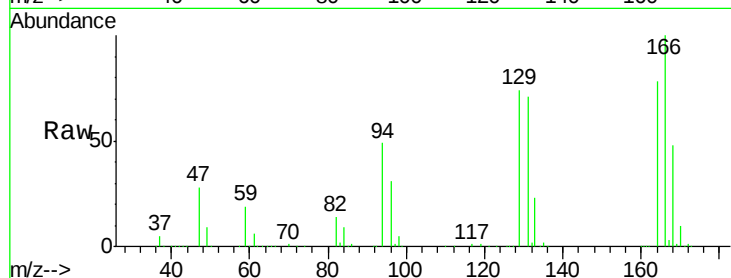
Acq: 16 Jun 2020 15:31

Instrument :

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ClientSampleId :

BFT76



Tot Ion:164 Resp: 821774

Ion Ratio Lower Upper

164 100

129 95.2 65.5 121.7

131 91.3 63.9 118.7

166 127.8 87.9 163.3

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

