

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U061620\
 Data File : VU038924.D
 Acq On : 16 Jun 2020 15:31
 Operator : SY/MD
 Sample : L2985-08RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT76

Quant Time: Jun 17 02:02:29 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
35) Methylcyclohexane	6.72	83	26916	0.808 ug/L #	17
37) 1,2-Dichloropropane	6.72	63	12919	0.585 ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3464	0.110 ug/L #	41
47) Tetrachloroethene	8.57	164	821774	47.945 ug/L	99
49) Dibromochloromethane	8.57	129	771580	39.364 ug/L #	9
59) 1,2,3-Trichloropropane	11.82	75	19591	1.150 ug/L	90

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 17 02:00:04 2020
Response via : Initial Calibration

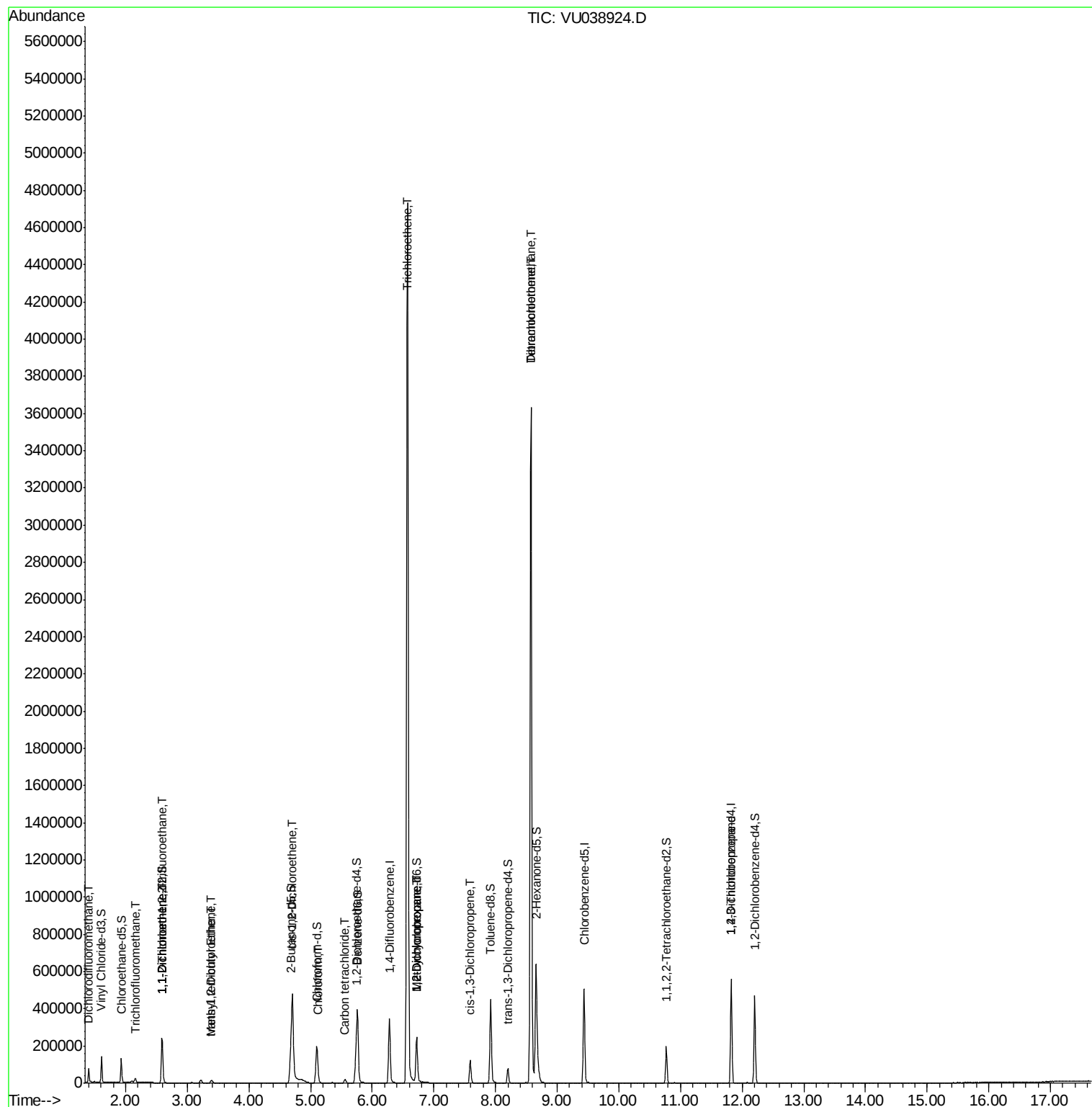
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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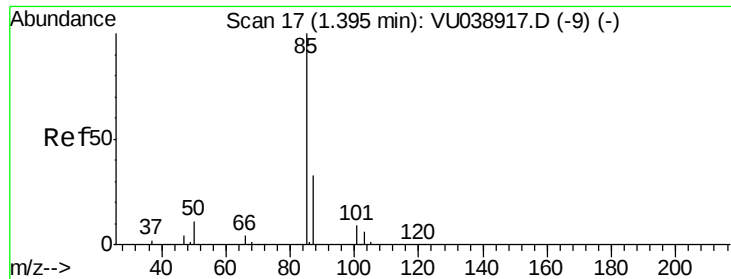
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061620\
Data File : VU038924.D
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#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

ClientSampleId :

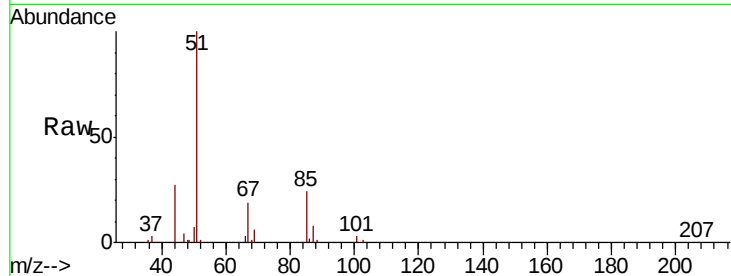
BFT76

Tot Ion: 85 Resp: 6023

Ion Ratio Lower Upper

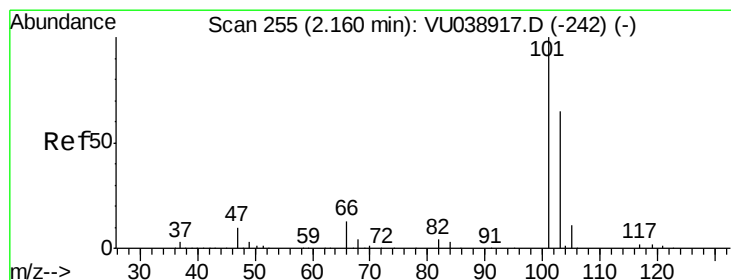
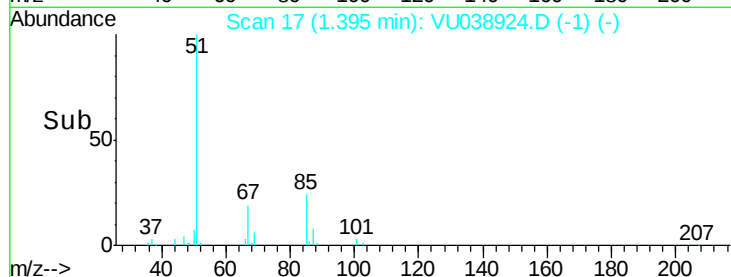
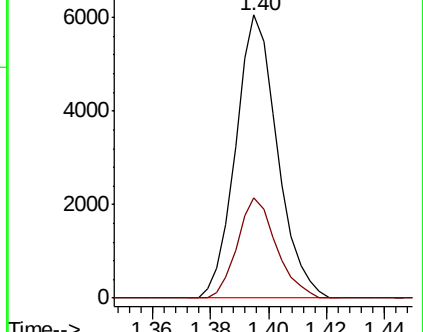
85 100

87 33.2 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU038917.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038917.D (-9) (-)



#9

Trichlorofluoromethane

Concen: 0.299 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038924.D

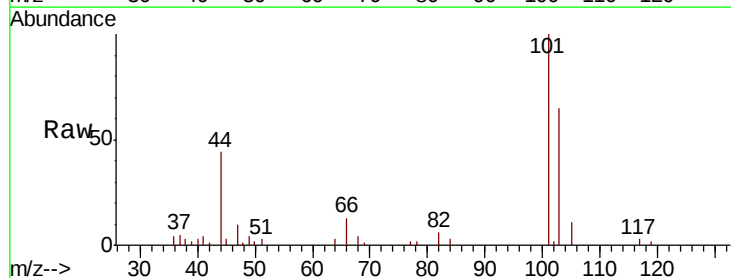
Acq: 16 Jun 2020 15:31

Tgt Ion: 101 Resp: 12777

Ion Ratio Lower Upper

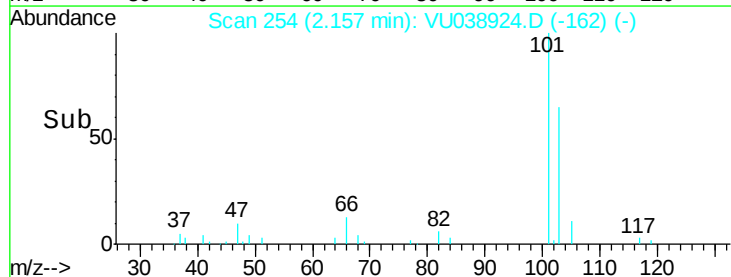
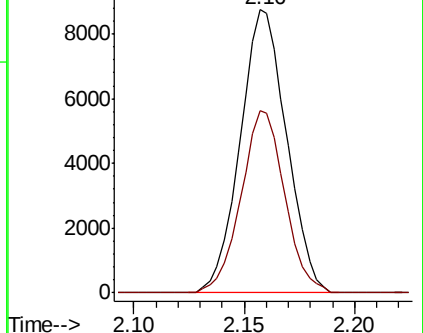
101 100

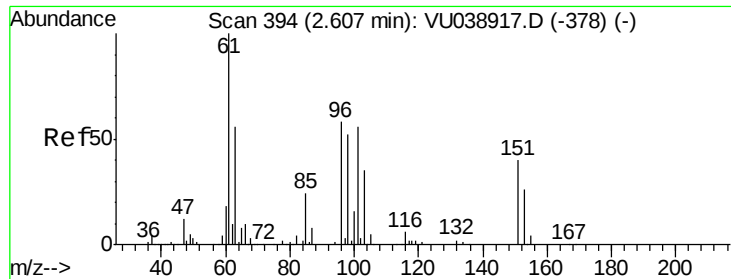
103 60.6 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU038917.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038917.D (-242) (-)





#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

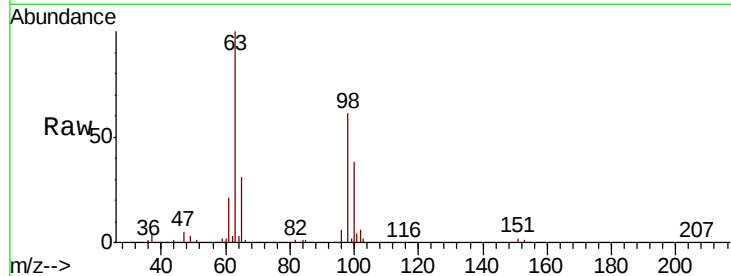
Tot Ion:101 Resp: 4717

Ion Ratio Lower Upper

101 100

85 29.5 35.3 52.9#

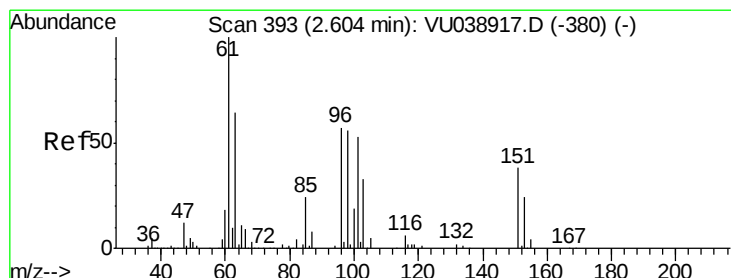
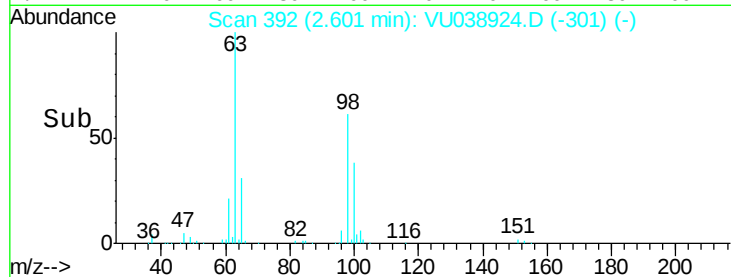
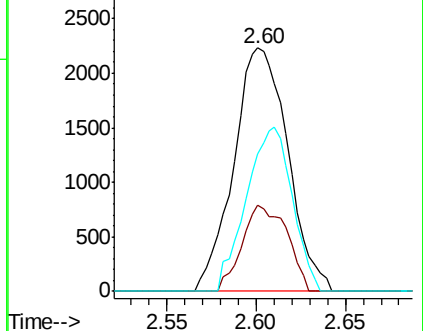
151 57.3 57.4 86.2#



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: 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

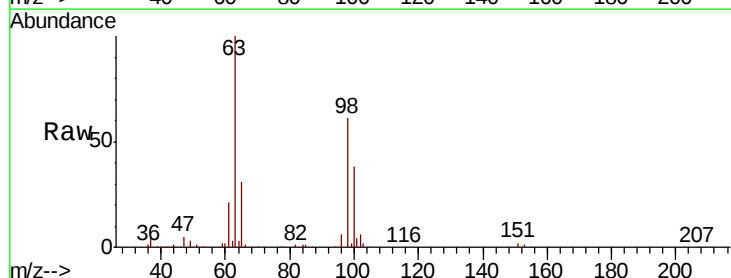
Tgt Ion: 96 Resp: 6622

Ion Ratio Lower Upper

96 100

61 339.2 124.9 232.1#

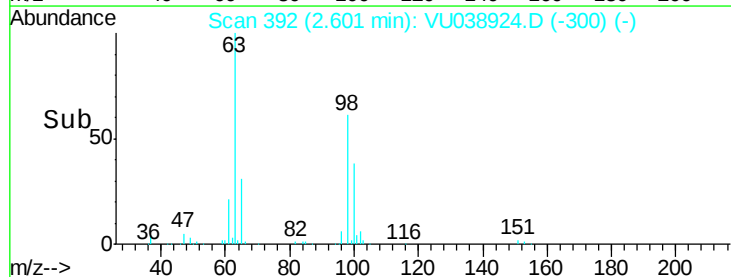
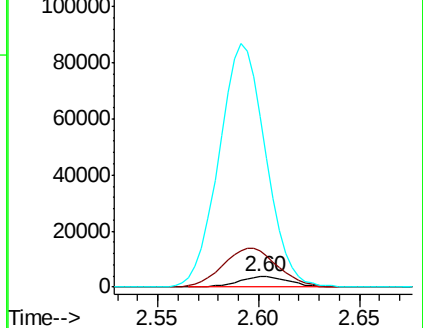
63 1617.4 79.1 146.9#

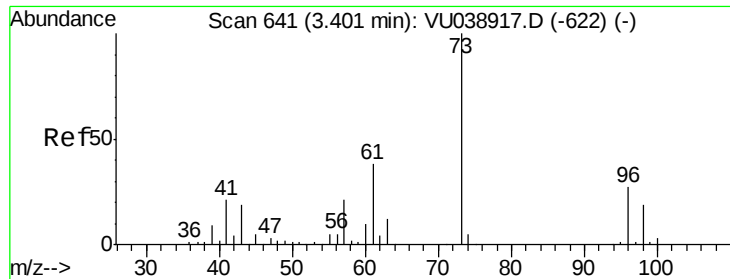


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

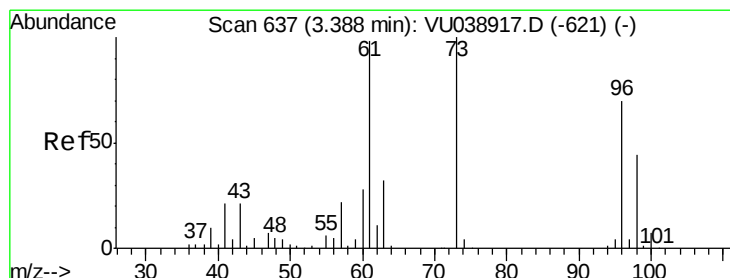
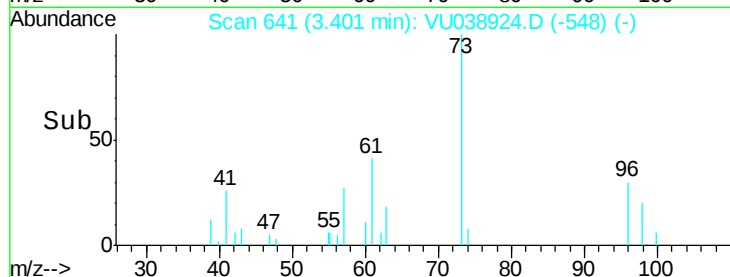
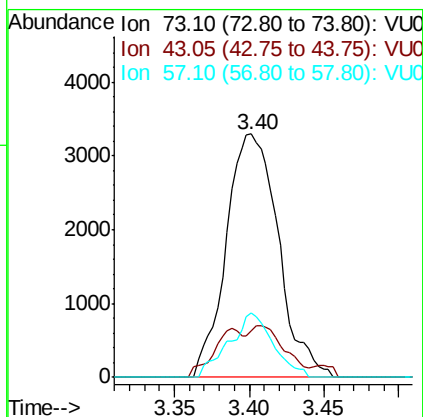
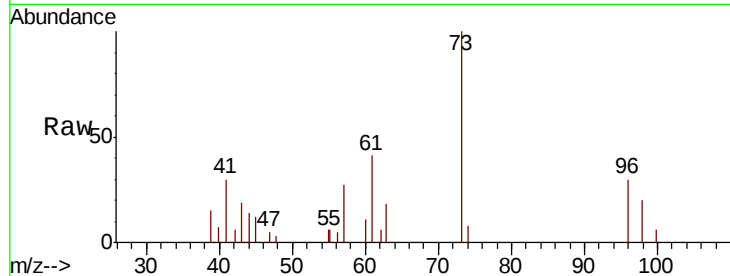




#17
Methvl tert-butvl Ether
Concen: 0.154 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038924.D
Acq: 16 Jun 2020 15:31

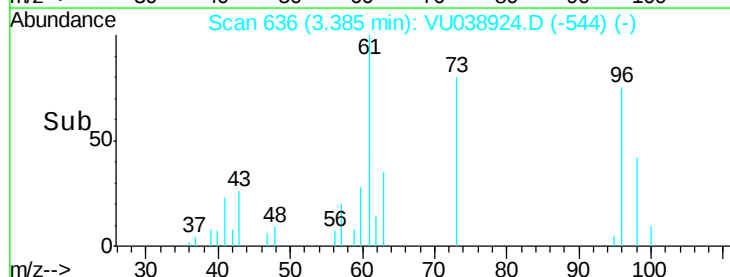
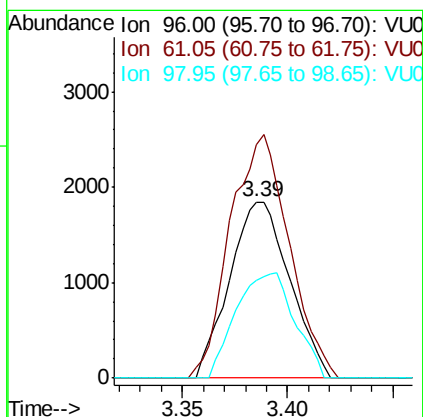
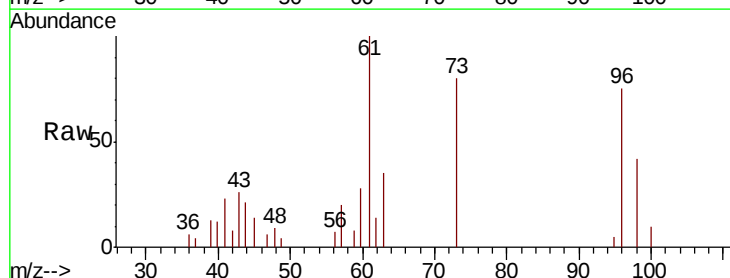
Instrument :
MSVOA_U
ClientSampleId :
BFT76

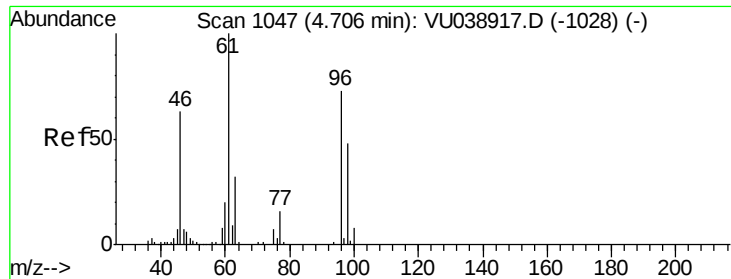
Tot Ion: 73 Resp: 7990
Ion Ratio Lower Upper
73 100
43 13.9 16.6 24.8#
57 22.5 17.5 26.3



#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

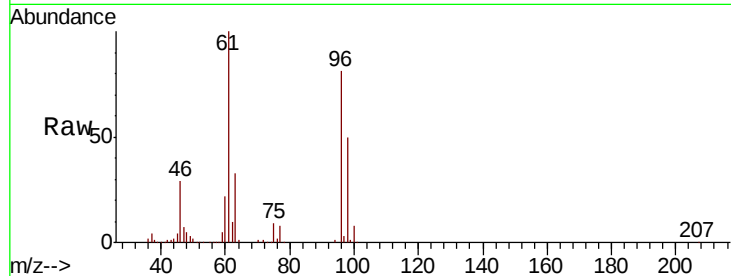




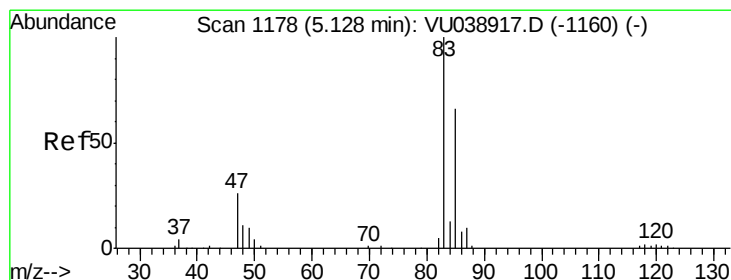
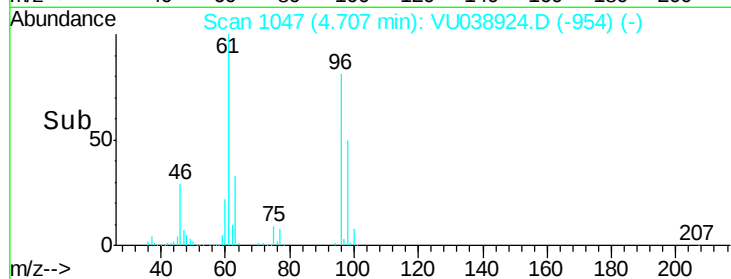
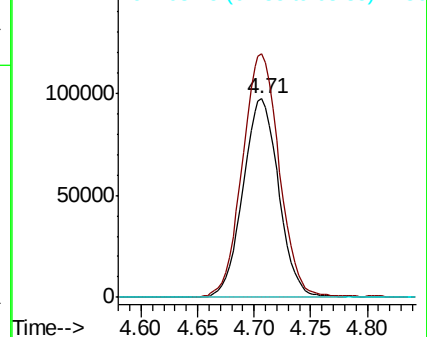
#22
 cis-1,2-Dichloroethene
 Concen: 9.493 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038924.D
 Acq: 16 Jun 2020 15:31

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

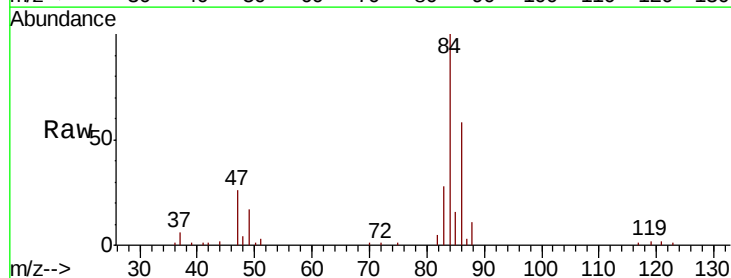


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

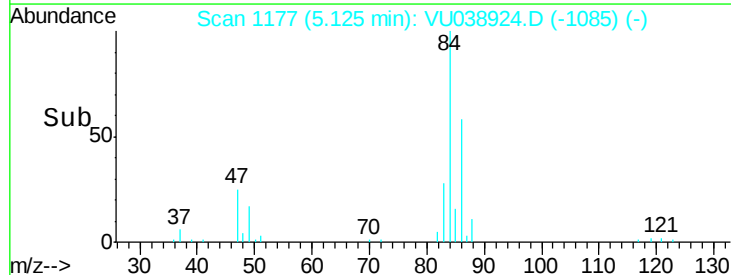
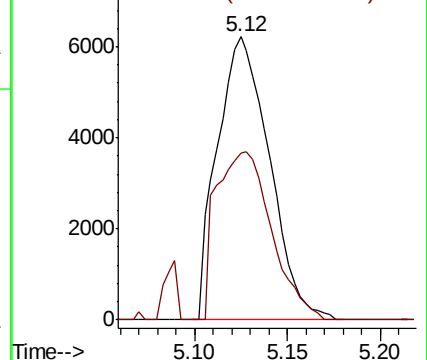


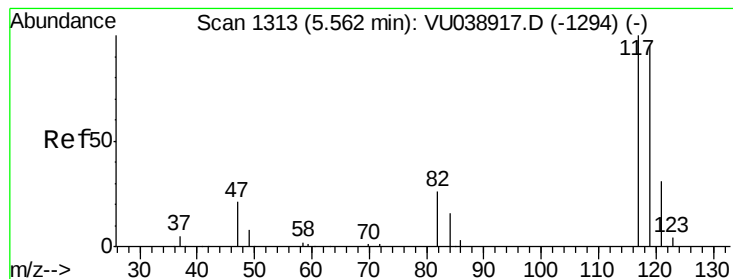
#25
 Chloroform
 Concen: 0.295 ug/L
 RT: 5.12 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VU038924.D
 Acq: 16 Jun 2020 15:31

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): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#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

Instrument :

MSVOA_U

ClientSampleId :

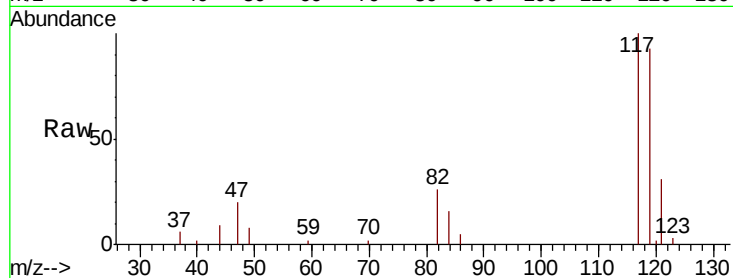
BFT76

Tot Ion:117 Resp: 12373

Ion Ratio Lower Upper

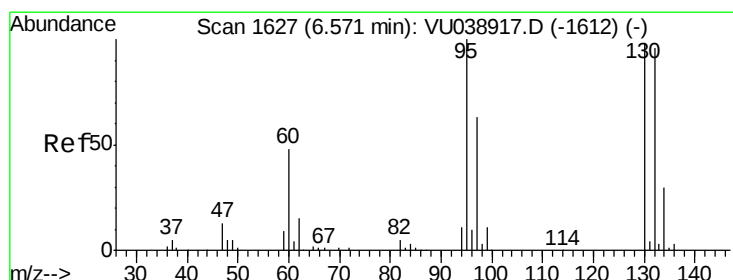
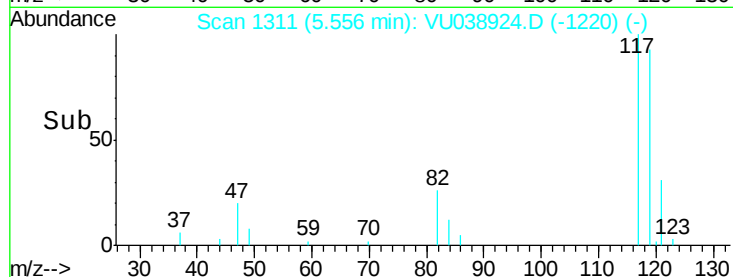
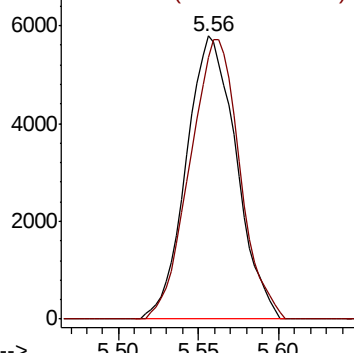
117 100

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

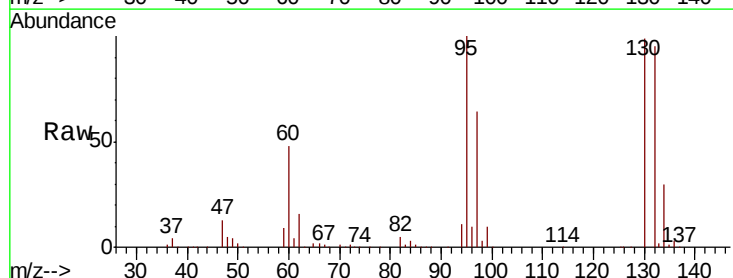
Ion Ratio Lower Upper

95 100

97 64.2 46.1 85.5

132 95.3 68.2 126.6

130 98.6 71.0 131.9

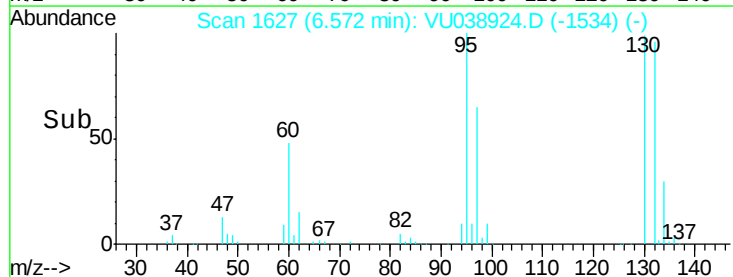
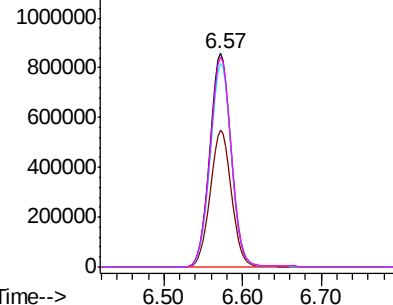


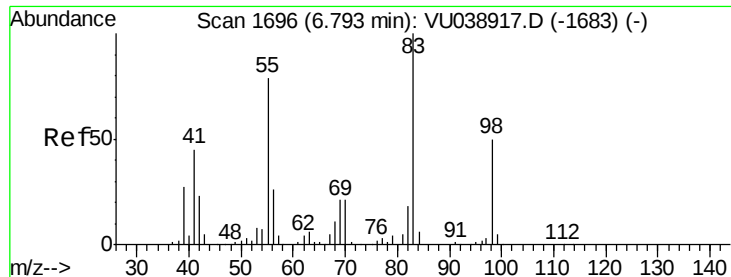
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

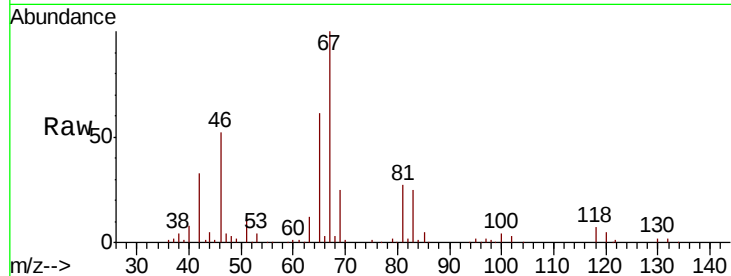




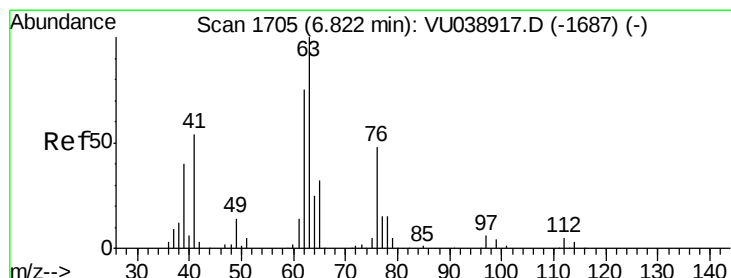
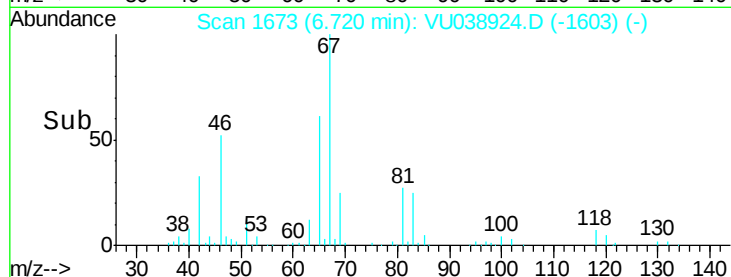
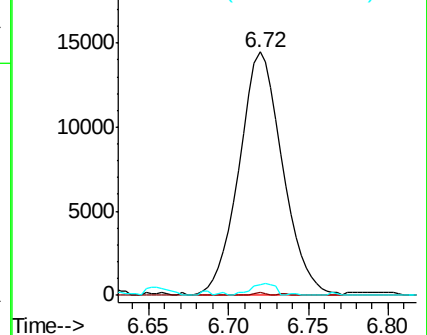
#35
Methvlcvclohexane
Concen: 0.808 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038924.D
Acq: 16 Jun 2020 15:31

Instrument :
MSVOA_U
ClientSampleId :
BFT76

Tot Ion: 83 Resp: 26916
Ion Ratio Lower Upper
83 100
55 0.3 63.6 95.4#
98 0.0 38.9 58.3#

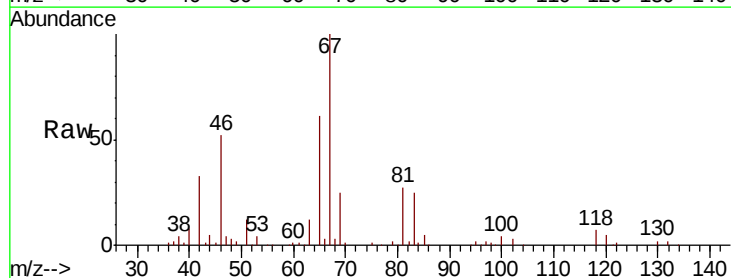


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

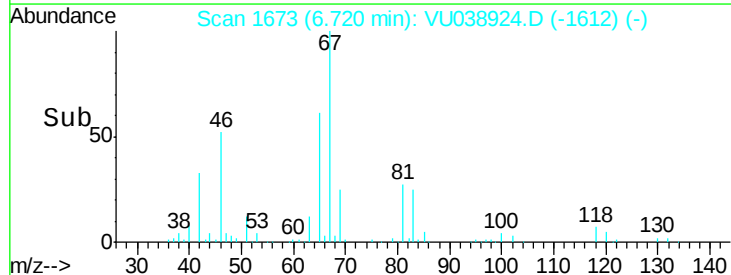
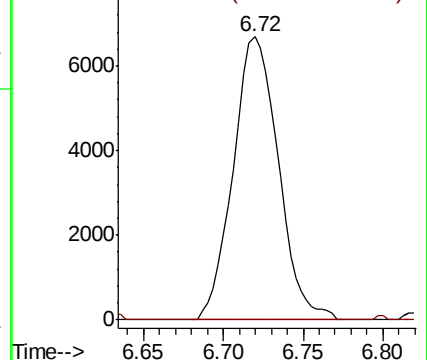


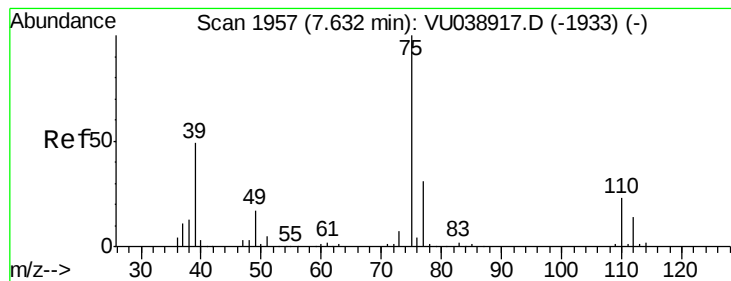
#37
1,2-Dichloropropane
Concen: 0.585 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038924.D
Acq: 16 Jun 2020 15:31

Tgt Ion: 63 Resp: 12919
Ion Ratio Lower Upper
63 100
112 0.3 3.8 5.8#



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



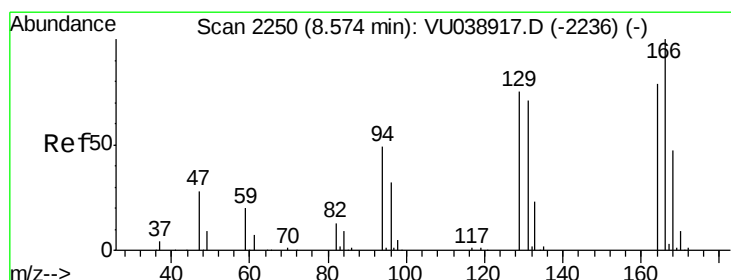
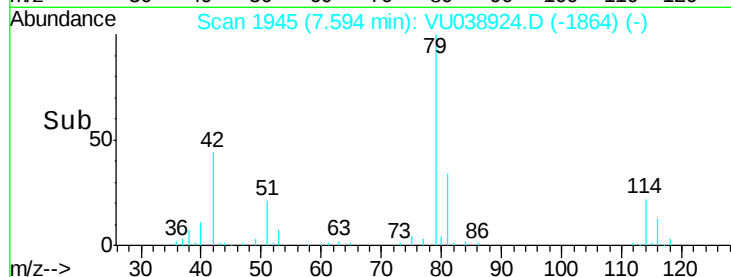
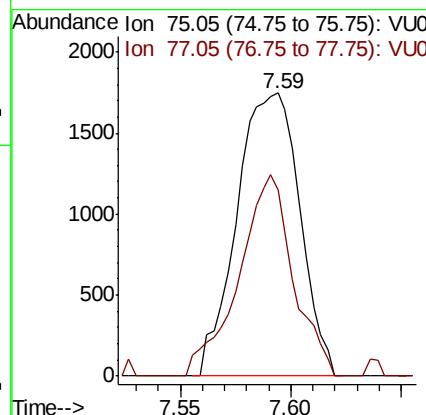
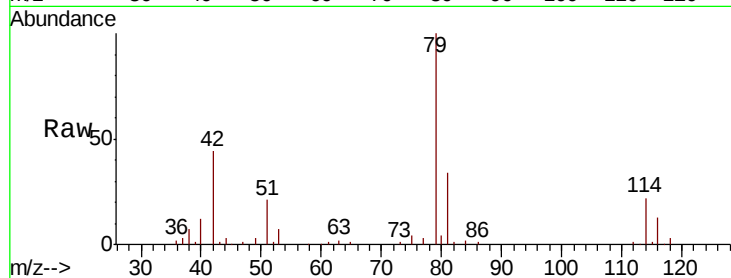


#39

cis-1,3-Dichloropropene
 Concen: 0.110 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038924.D
 Acq: 16 Jun 2020 15:31

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT76

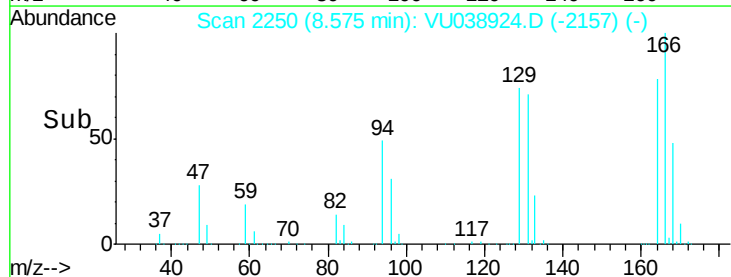
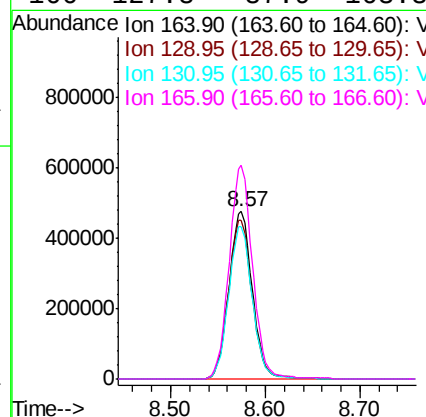
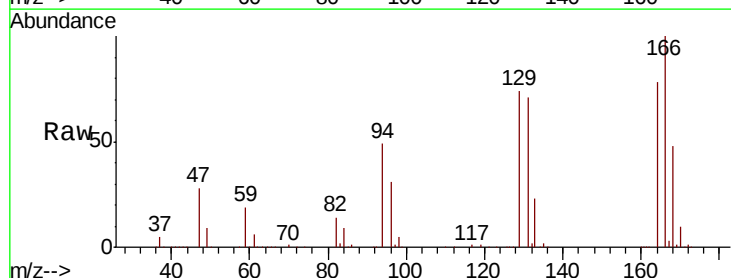
Tot Ion: 75 Resp: 3464
 Ion Ratio Lower Upper
 75 100
 77 65.8 23.0 42.6#

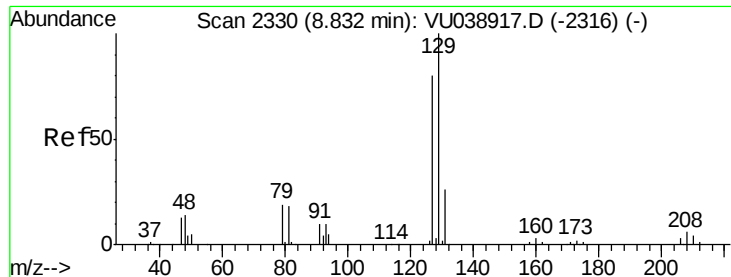


#47

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

Tgt 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

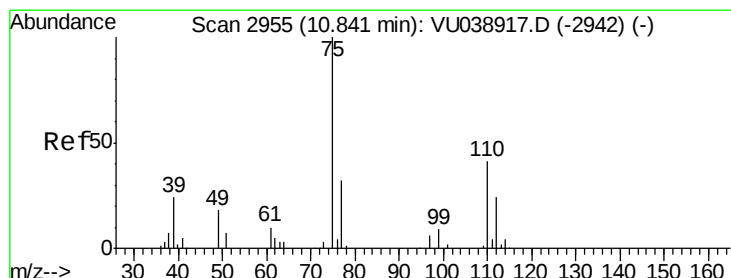
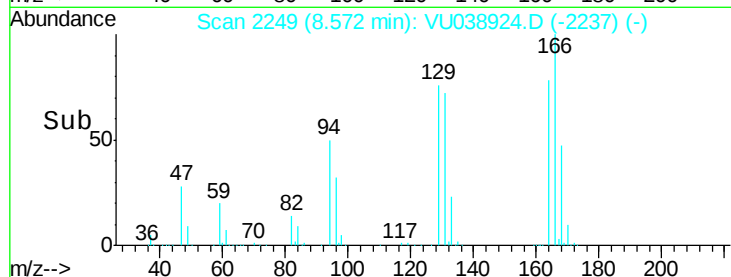
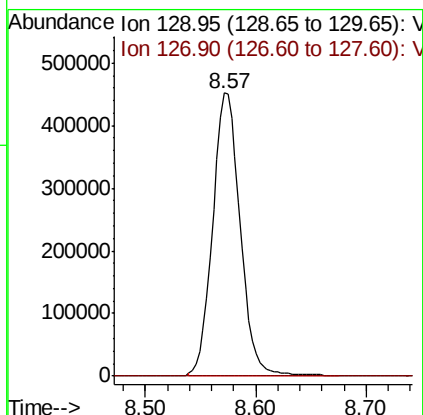
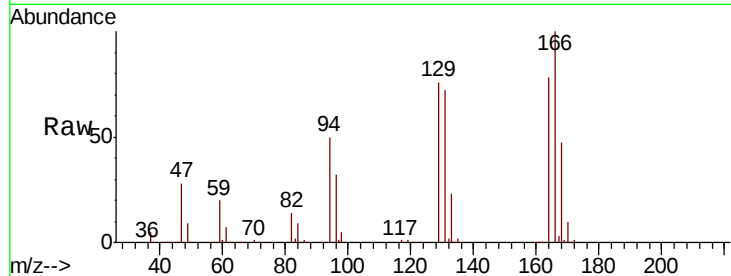




#49
 Dibromochloromethane
 Concen: 39.364 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. -0.26 min
 Lab File: VU038924.D
 Acq: 16 Jun 2020 15:31

Instrument :
 MSVOA_U
 ClientSampled :
 BFT76

Tot Ion:129 Resp: 771580
 Ion Ratio Lower Upper
 129 100
 127 0.0 56.7 105.3#



#59
 1,2,3-Trichloropropane
 Concen: 1.150 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU038924.D
 Acq: 16 Jun 2020 15:31

Tgt Ion: 75 Resp: 19591
 Ion Ratio Lower Upper
 75 100
 77 38.2 25.9 38.9

