

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062220\
 Data File : VU039015.D
 Acq On : 22 Jun 2020 19:37
 Operator : SY/MD
 Sample : L3061-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ1

Quant Time: Jun 23 02:09:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 01:25:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	261787	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	266530	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	127528	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	121298	5.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.80%
7) Chloroethane-d5	1.93	69	91039	5.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.20%
11) 1,1-Dichloroethene-d2	2.59	63	221440	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.60%
20) 2-Butanone-d5	4.66	46	379042	54.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.28%
24) Chloroform-d	5.10	84	203447	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.74	65	125436	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.76	84	427310	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
36) 1,2-Dichloropropane-d6	6.72	67	137389	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.92	98	359259	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
43) trans-1,3-Dichloropropene-	8.20	79	58655	5.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.20%
46) 2-Hexanone-d5	8.65	63	295709	54.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.98%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	122446	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	137800	5.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.00%

Target Compounds

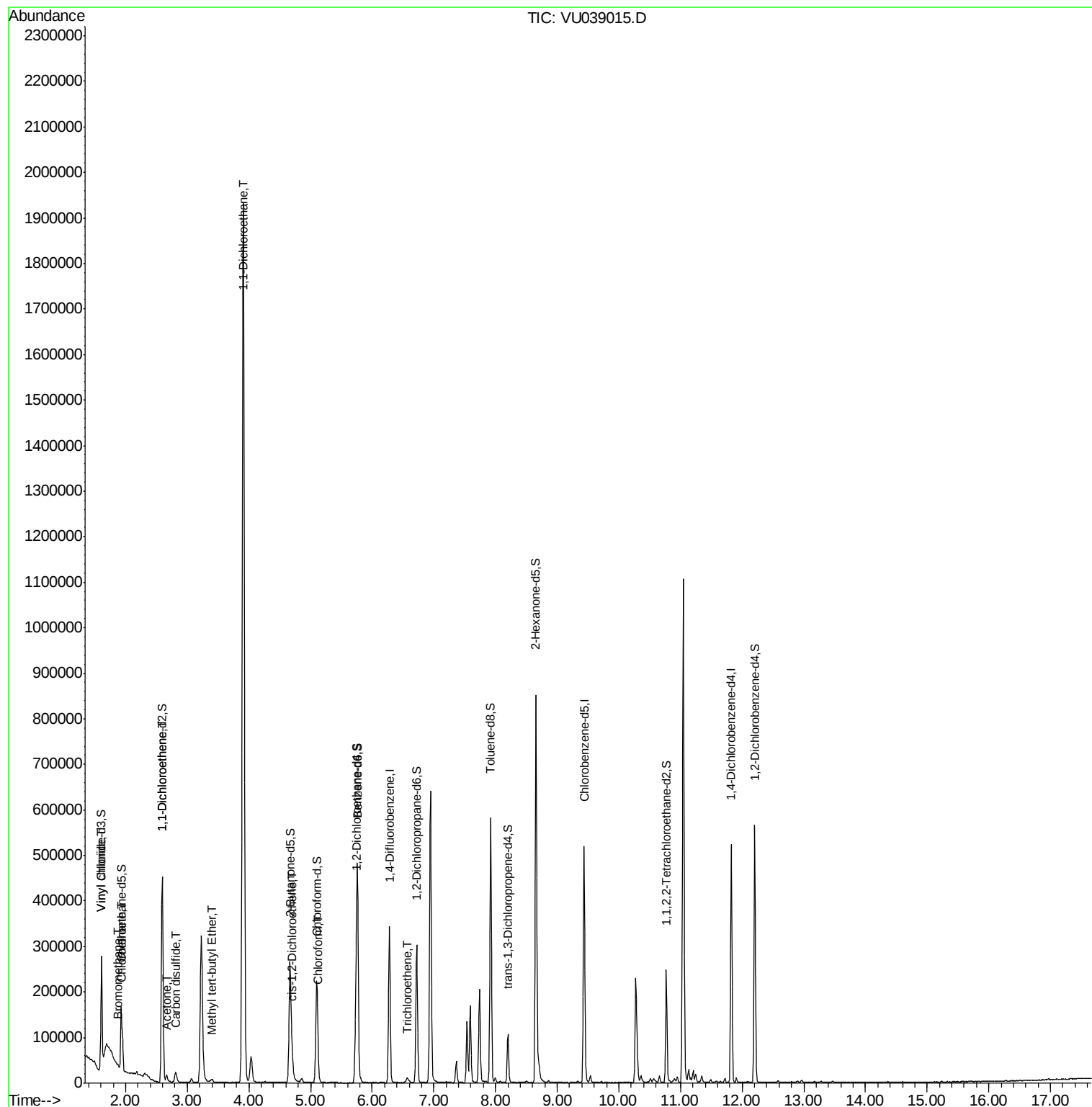
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	42225	1.580	ug/L #	26
6) Bromomethane	1.87	94	1154	0.181	ug/L	85
8) Chloroethane	1.95	64	54730	3.721	ug/L	96
12) 1,1-Dichloroethene	2.60	96	85831	4.535	ug/L	93
13) Acetone	2.66	43	5973	1.352	ug/L	95
14) Carbon disulfide	2.82	76	6750	0.103	ug/L #	92
17) Methyl tert-butyl Ether	3.40	73	5066	0.111	ug/L #	63
19) 1,1-Dichloroethane	3.91	63	2247972	56.255	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	16032	0.741	ug/L	96
25) Chloroform	5.13	83	13715	0.331	ug/L	97
34) Trichloroethene	6.57	95	3009	0.140	ug/L #	80

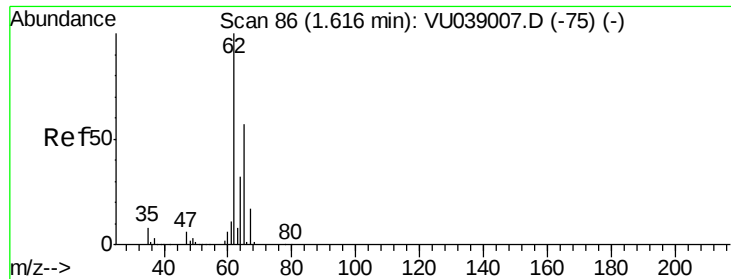
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.580 ug/L

RT: 1.61 min Scan# 85

Delta R.T. -0.00 min

Lab File: VU039015.D

Acq: 22 Jun 2020 19:37

Instrument :

MSVOA_U

ClientSampleId :

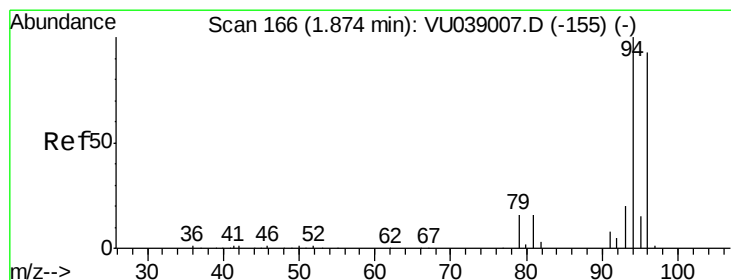
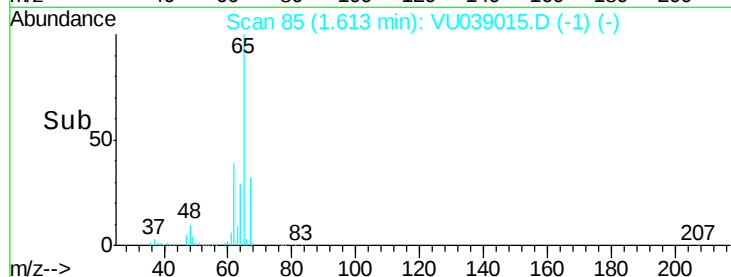
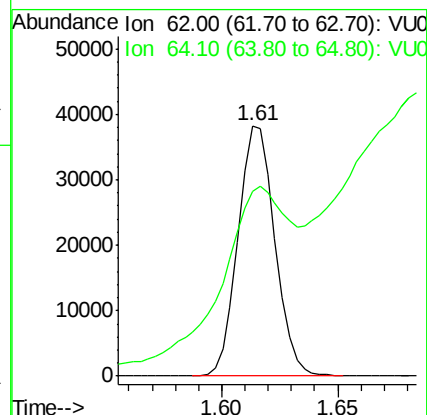
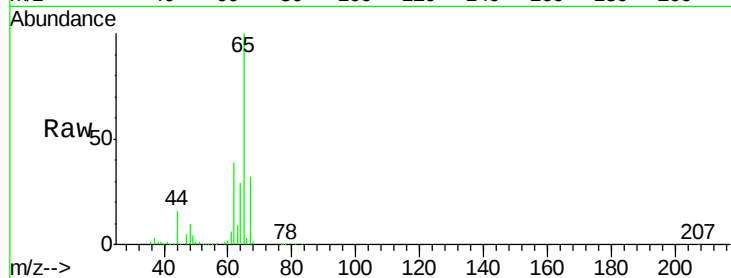
BFXJ1

Tot Ion: 62 Resp: 42225

Ion Ratio Lower Upper

62 100

64 73.7 22.5 41.9#



#6

Bromomethane

Concen: 0.181 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU039015.D

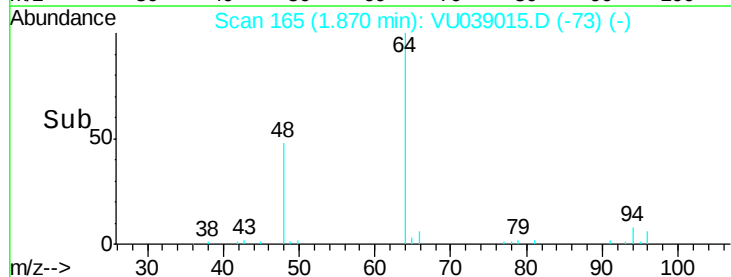
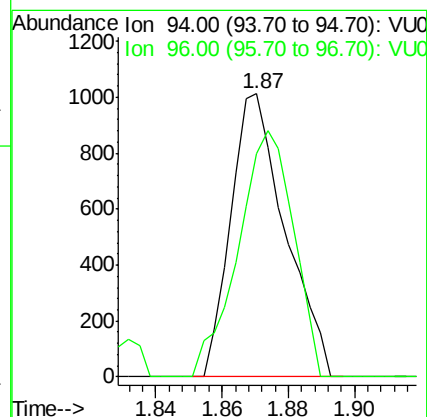
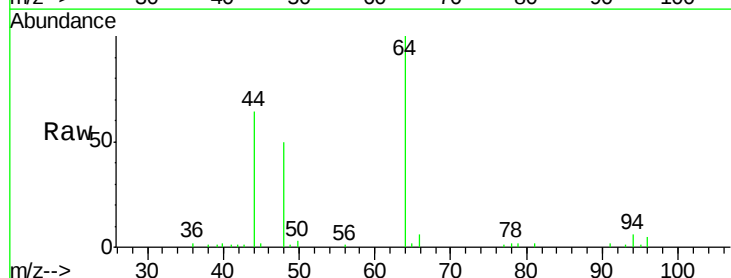
Acq: 22 Jun 2020 19:37

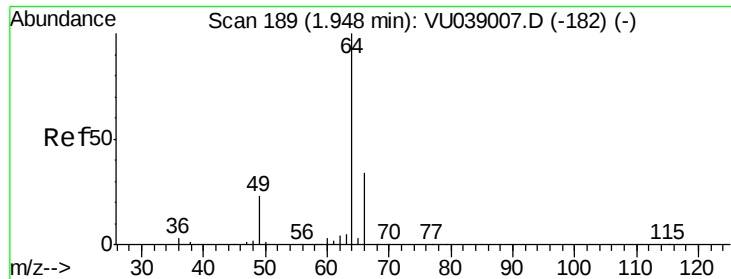
Tgt Ion: 94 Resp: 1154

Ion Ratio Lower Upper

94 100

96 78.9 65.5 121.7

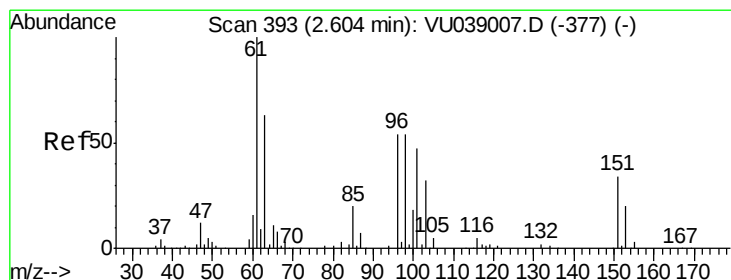
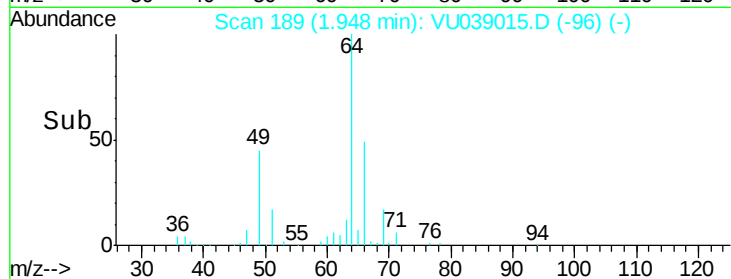
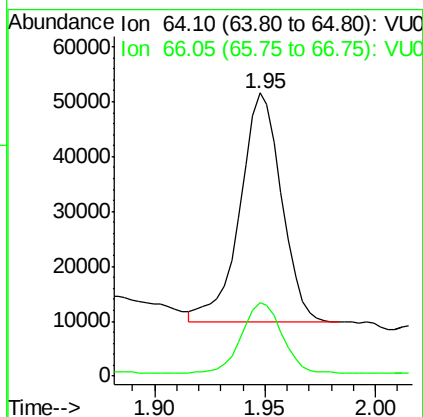
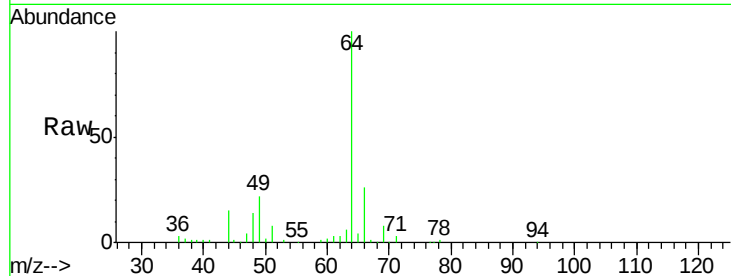




#8
 Chloroethane
 Concen: 3.721 ug/L
 RT: 1.95 min Scan# 189
 Delta R.T. -0.00 min
 Lab File: VU039015.D
 Acq: 22 Jun 2020 19:37

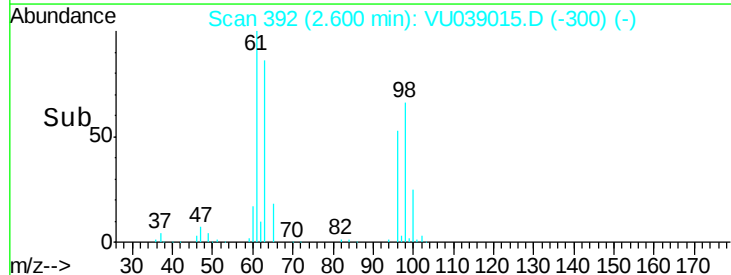
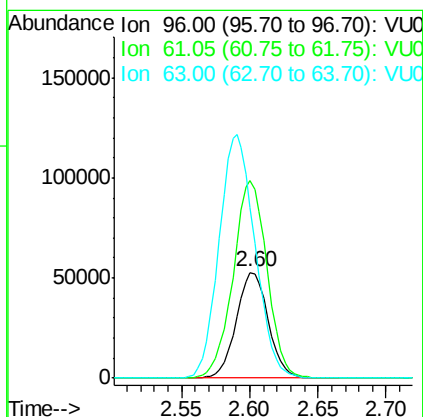
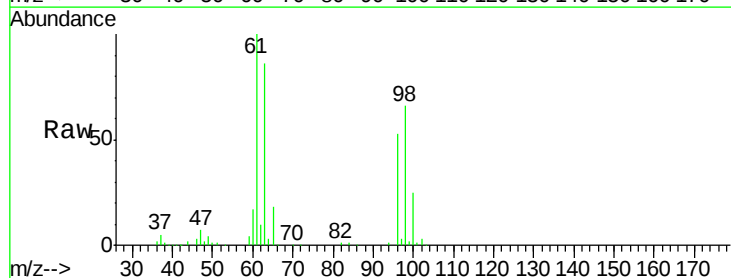
Instrument :
 MSVOA_U
 ClientSampleID :
 BFXJ1

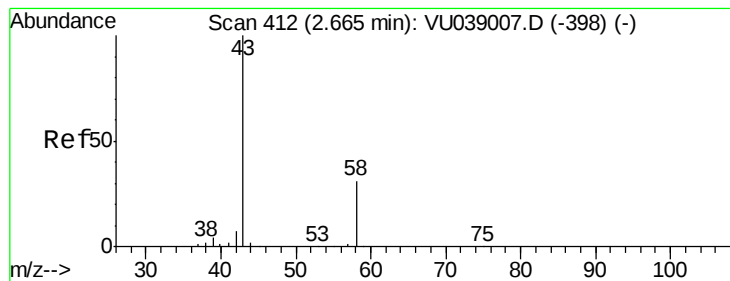
Tot Ion: 64 Resp: 54730
 Ion Ratio Lower Upper
 64 100
 66 25.8 19.4 36.0



#12
 1,1-Dichloroethene
 Concen: 4.535 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU039015.D
 Acq: 22 Jun 2020 19:37

Tgt Ion: 96 Resp: 85831
 Ion Ratio Lower Upper
 96 100
 61 187.7 128.7 239.1
 63 161.3 101.5 188.5





#13

Acetone

Concen: 1.352 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU039015.D

Acq: 22 Jun 2020 19:37

Instrument :

MSVOA_U

ClientSampleId :

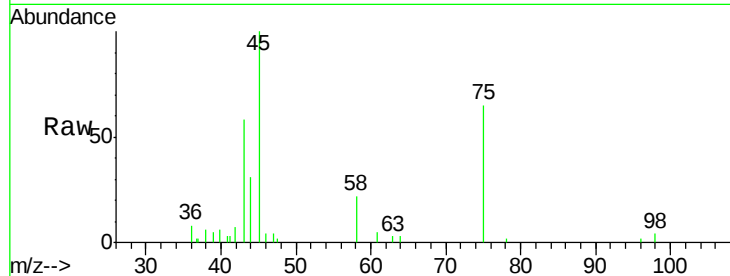
BFXJ1

Tot Ion: 43 Resp: 5973

Ion Ratio Lower Upper

43 100

58 29.8 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU039015.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU039015.D (-319) (-)

2.66

2500

2000

1500

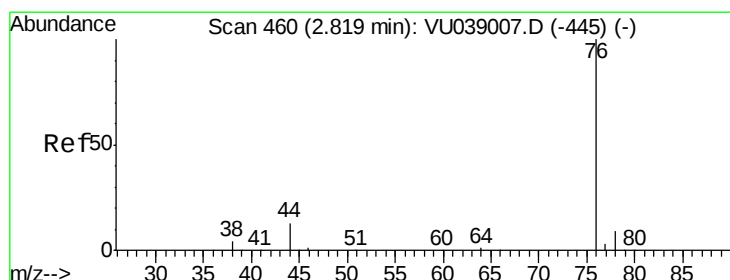
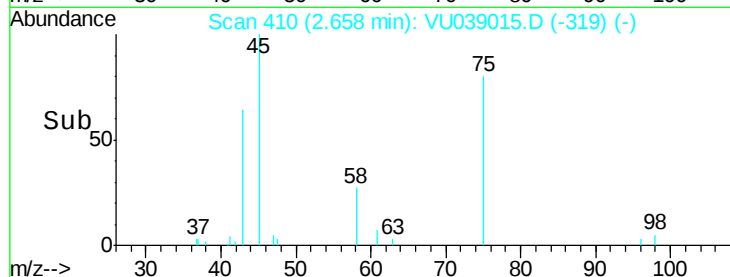
1000

500

0

Time-->

2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 0.103 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU039015.D

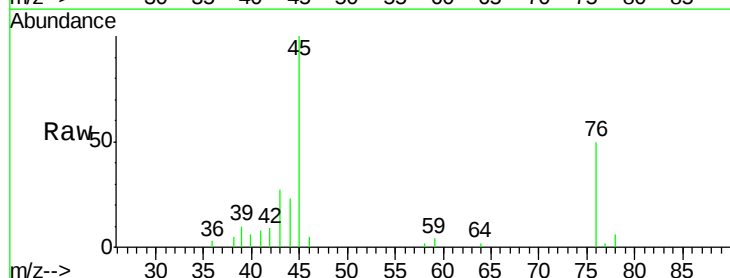
Acq: 22 Jun 2020 19:37

Tgt Ion: 76 Resp: 6750

Ion Ratio Lower Upper

76 100

78 12.0 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU039015.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU039015.D (-367) (-)

2.82

5000

4000

3000

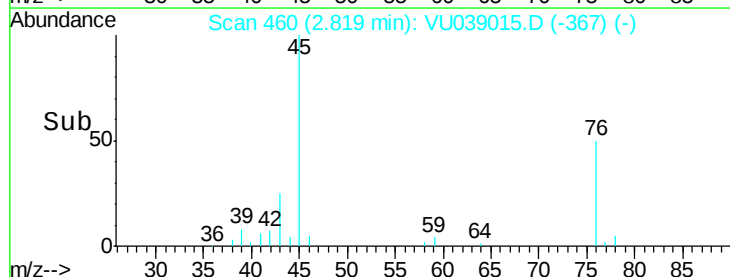
2000

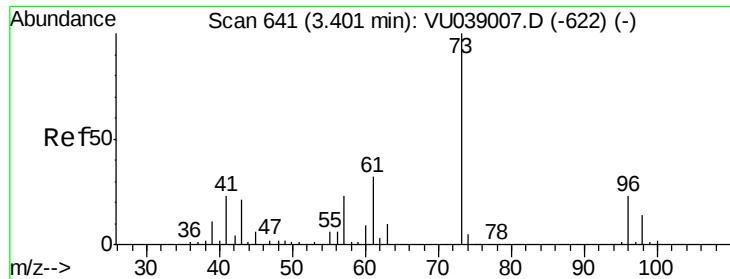
1000

0

Time-->

2.75 2.80 2.85

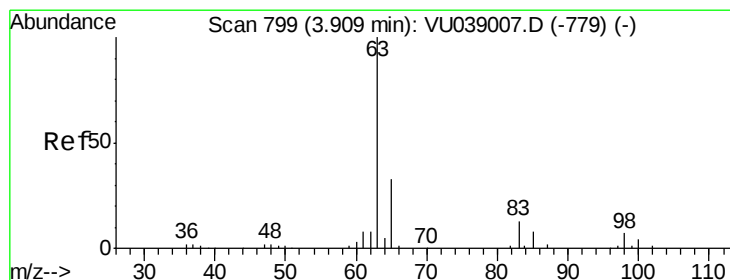
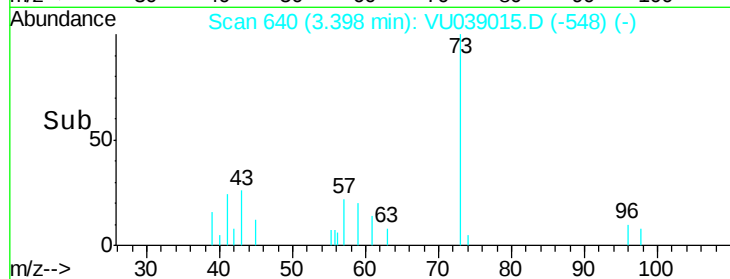
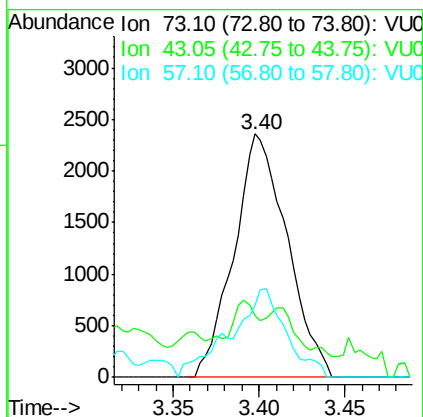
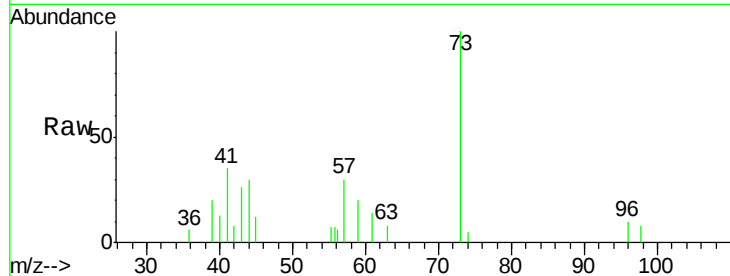




#17
Methvl tert-butvl Ether
Concen: 0.111 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU039015.D
Acq: 22 Jun 2020 19:37

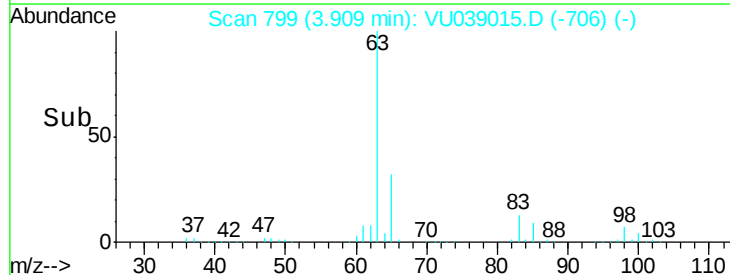
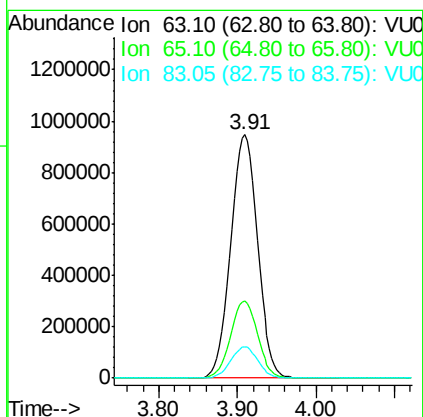
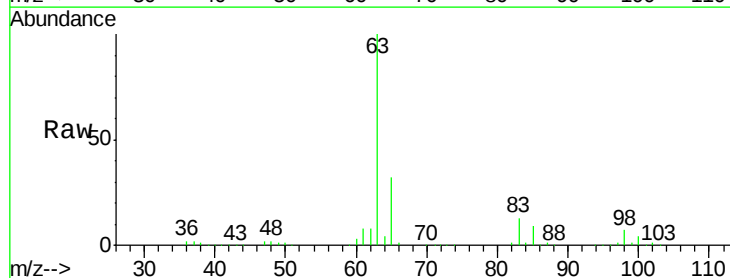
Instrument :
MSVOA_U
ClientSampleId :
BFXJ1

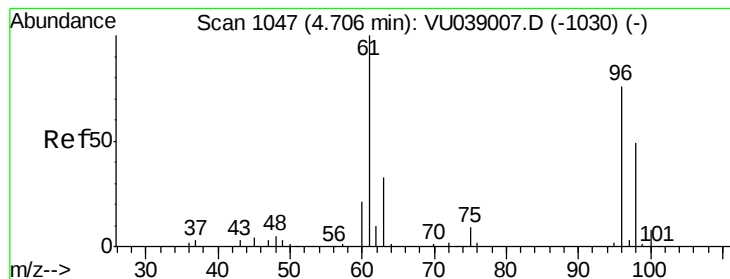
Tot Ion: 73 Resp: 5066
Ion Ratio Lower Upper
73 100
43 0.0 16.7 25.1#
57 38.0 18.8 28.2#



#19
1,1-Dichloroethane
Concen: 56.255 ug/L
RT: 3.91 min Scan# 799
Delta R.T. -0.00 min
Lab File: VU039015.D
Acq: 22 Jun 2020 19:37

Tgt Ion: 63 Resp: 2247972
Ion Ratio Lower Upper
63 100
65 31.5 22.5 41.7
83 12.9 9.2 17.2





#22

cis-1,2-Dichloroethene

Concen: 0.741 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU039015.D

Acq: 22 Jun 2020 19:37

Instrument :

MSVOA_U

ClientSampleId :

BFXJ1

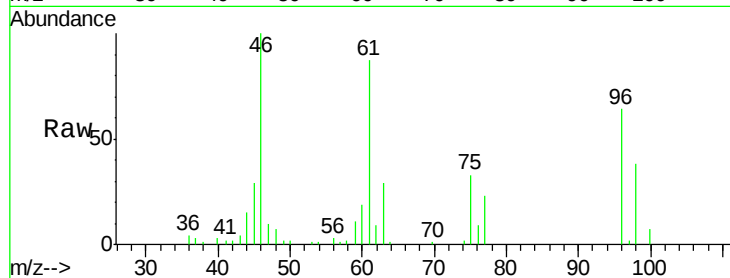
Tot Ion: 96 Resp: 16032

Ion Ratio Lower Upper

96 100

61 136.1 92.0 170.8

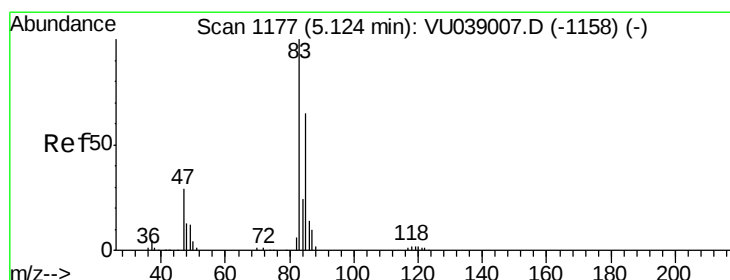
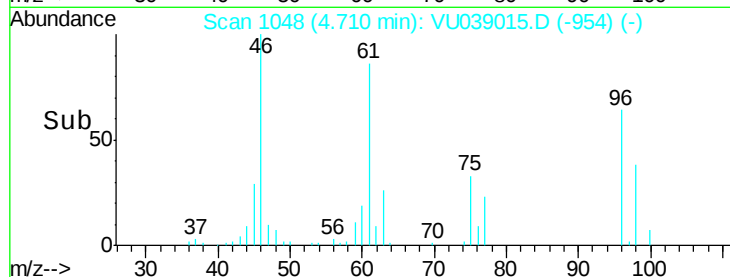
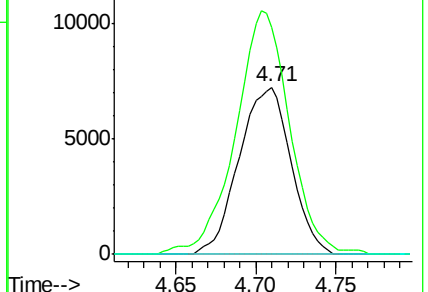
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039007.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU039007.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU039007.D (-1030) (-)



#25

Chloroform

Concen: 0.331 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU039015.D

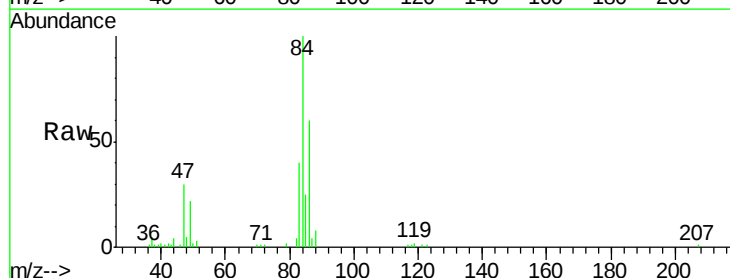
Acq: 22 Jun 2020 19:37

Tgt Ion: 83 Resp: 13715

Ion Ratio Lower Upper

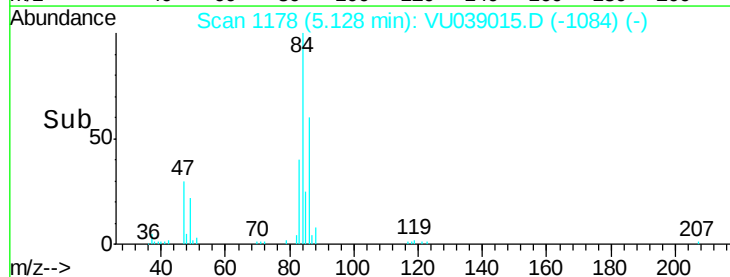
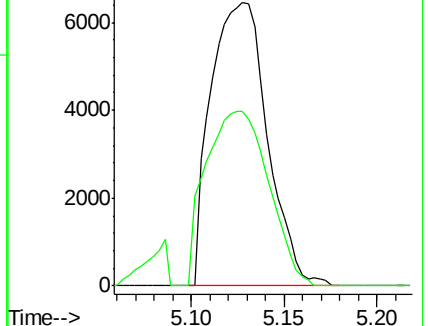
83 100

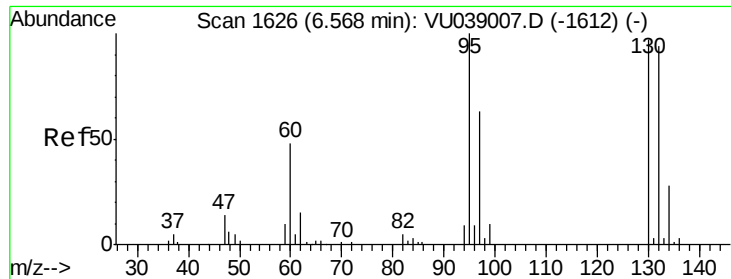
85 61.6 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039007.D (-1158) (-)

Ion 85.00 (84.70 to 85.70): VU039007.D (-1158) (-)





#34

Trichloroethene

Concen: 0.140 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VU039015.D

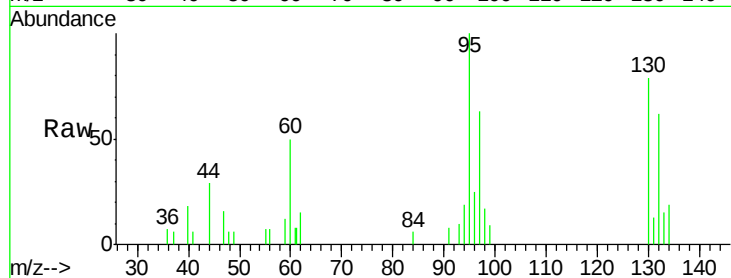
Acq: 22 Jun 2020 19:37

Instrument :

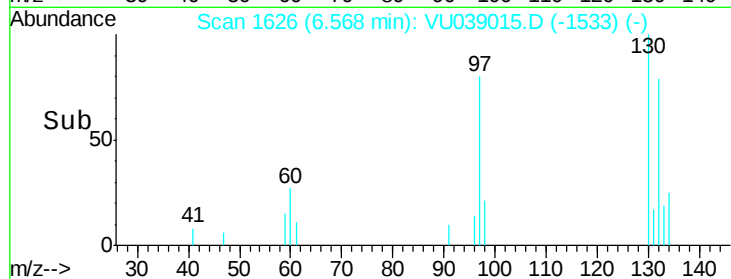
MSVOA_U

ClientSampleId :

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Tot Ion:	95	Resp:	3009
Ion	Ratio	Lower	Upper
95	100		
97	62.7	46.0	85.4
132	62.1	65.0	120.6#
130	78.6	68.0	126.2



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

