

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 01:28:33 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

					Ovalue
3) Chloromethane	1.53	50	1309	0.090 ug/L #	78
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
15) Methyl Acetate	2.81	43	7606	0.677 ug/L #	53
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
35) Methylcyclohexane	6.72	83	32621	1.002 ug/L #	17
37) 1,2-Dichloropropane	6.72	63	15184	0.656 ug/L #	87
38) Bromodichloromethane	6.94	83	21617	0.756 ug/L #	30
39) cis-1,3-Dichloropropene	7.59	75	4190	0.127 ug/L #	52

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 23 01:25:34 2020
Response via : Initial Calibration

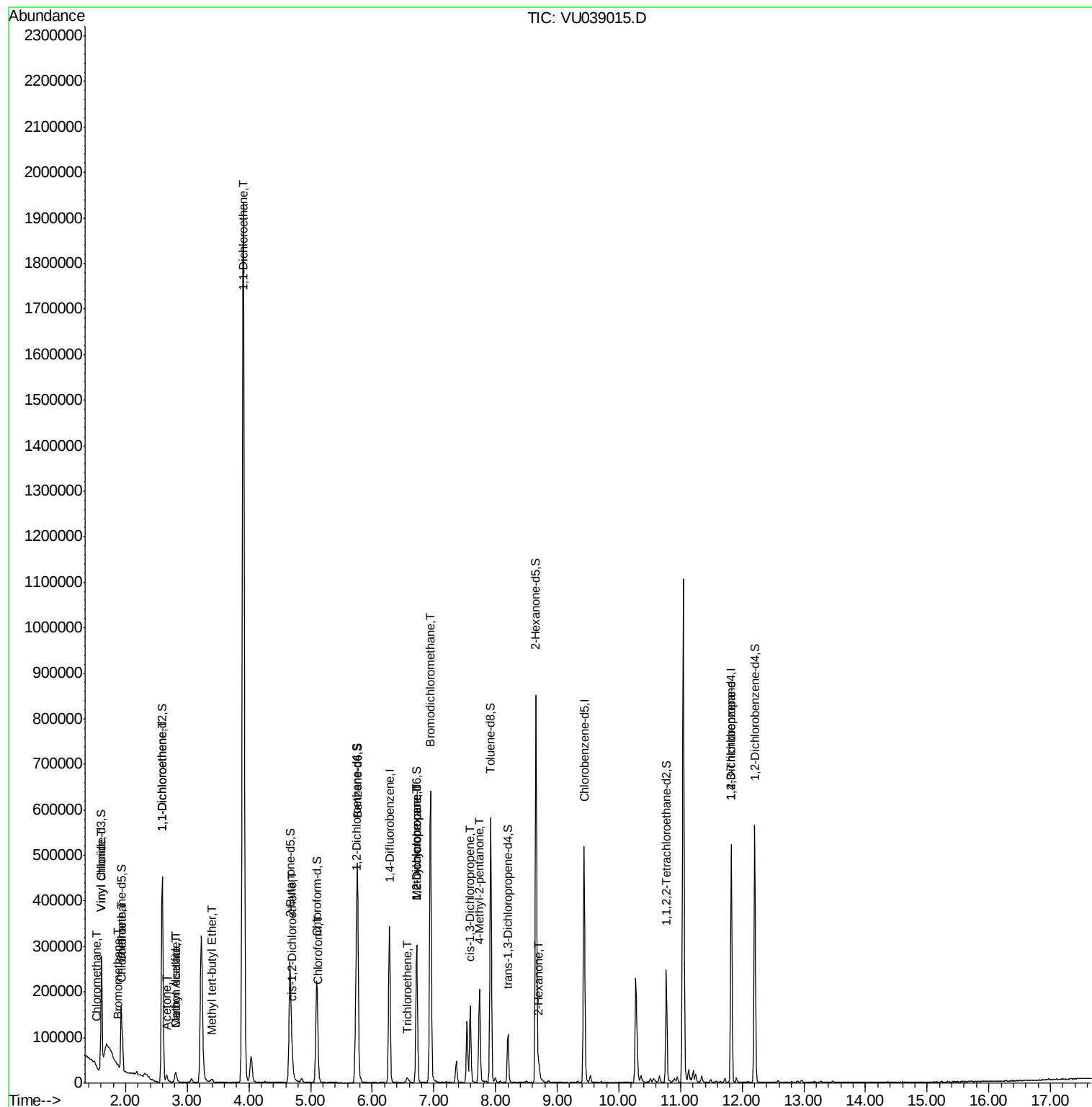
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 4-Methyl-2-pentanone	7.74	43	94910	5.610	ug/L #	45
48) 2-Hexanone	8.71	43	15537	1.213	ug/L #	94
59) 1,2,3-Trichloropropane	11.82	75	17996	1.056	ug/L #	84

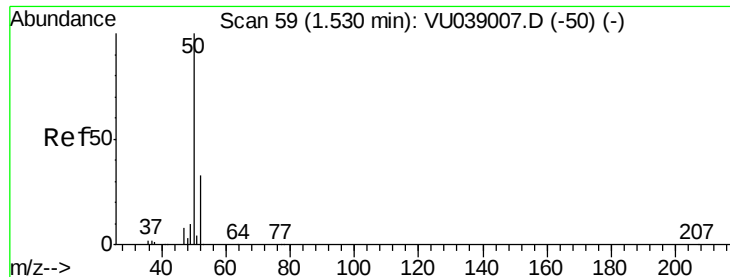
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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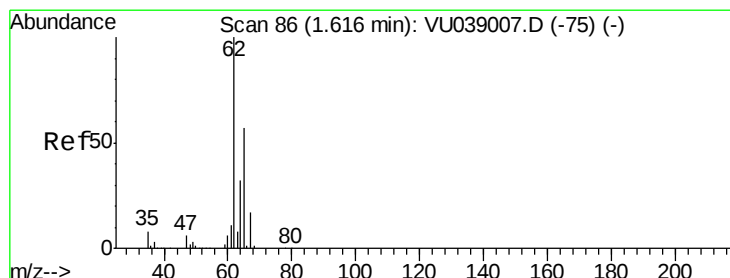
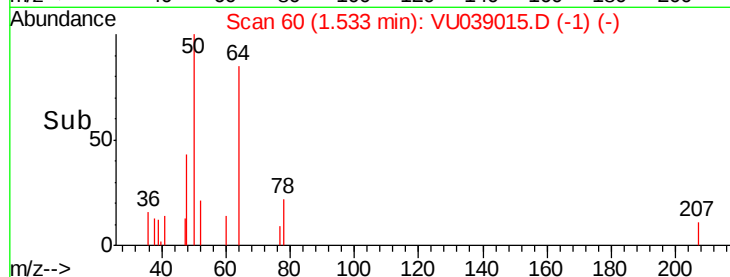
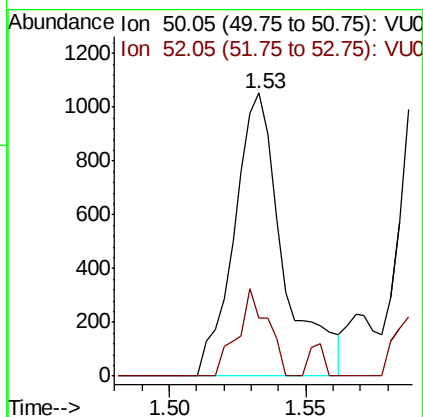
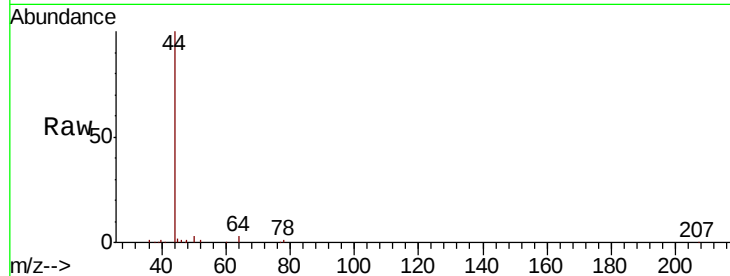




#3
Chloromethane
Concen: 0.090 ug/L
RT: 1.53 min Scan# 60
Delta R.T. 0.00 min
Lab File: VU039015.D
Acq: 22 Jun 2020 19:37

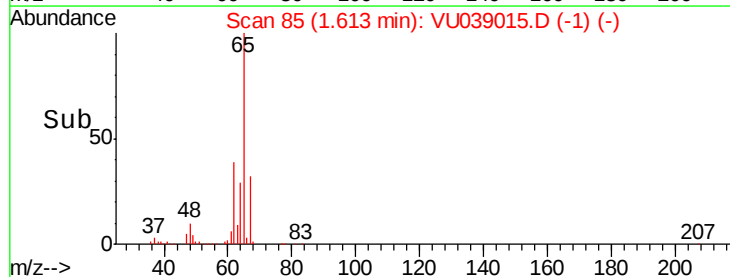
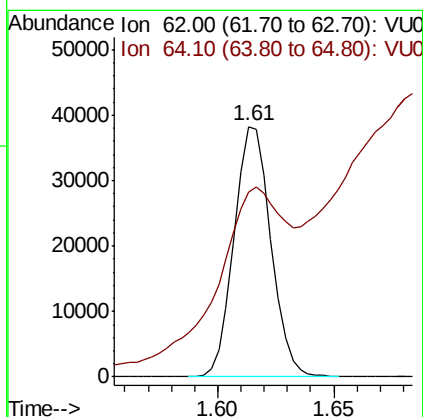
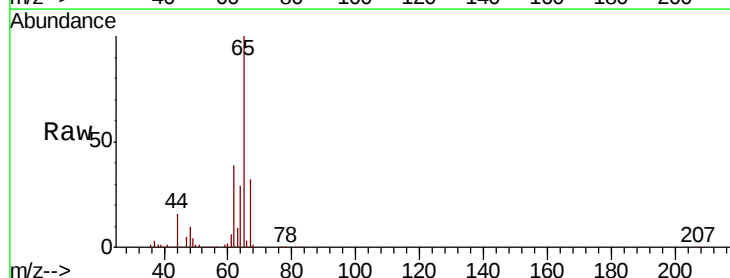
Instrument :
MSVOA_U
ClientSampleId :
BFXJ1

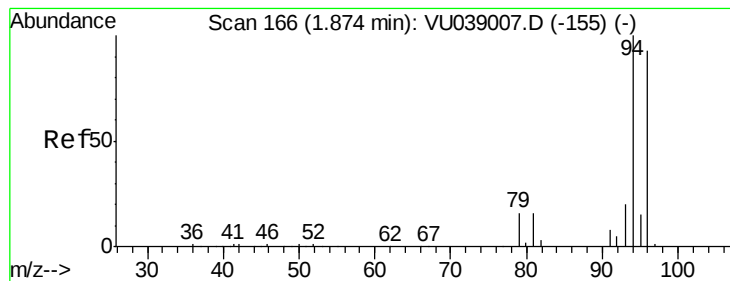
Tot Ion: 50 Resp: 1309
Ion Ratio Lower Upper
50 100
52 20.5 23.0 42.6#



#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

Tgt 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

Instrument :

MSVOA_U

ClientSampleId :

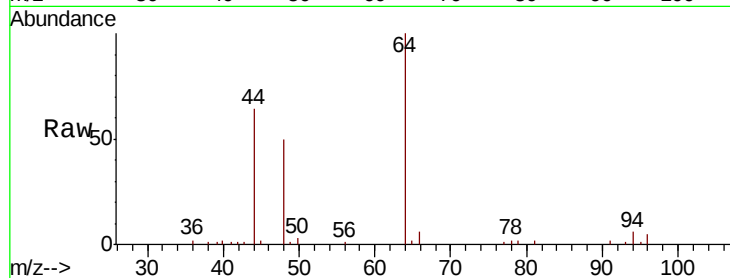
BFXJ1

Tot Ion: 94 Resp: 1154

Ion Ratio Lower Upper

94 100

96 78.9 65.5 121.7

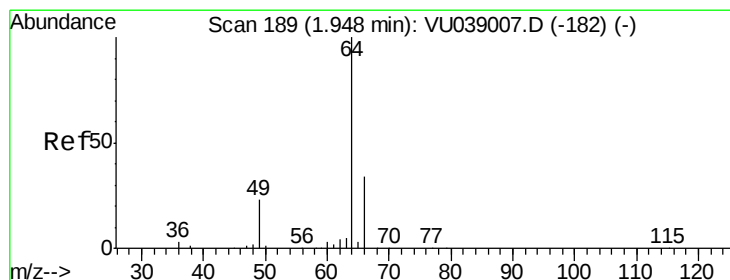
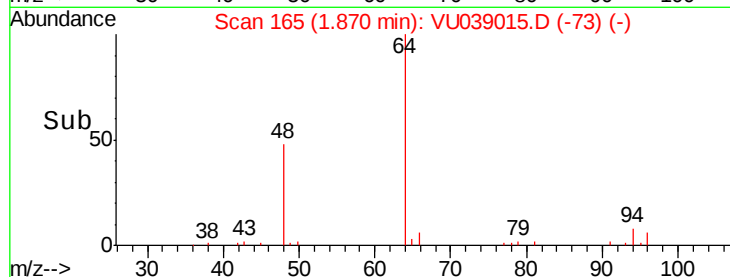


Abundance Ion 94.00 (93.70 to 94.70): VU039007.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039007.D (-155) (-)

1.87

Time-->



#8

Chloroethane

Concen: 3.721 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU039015.D

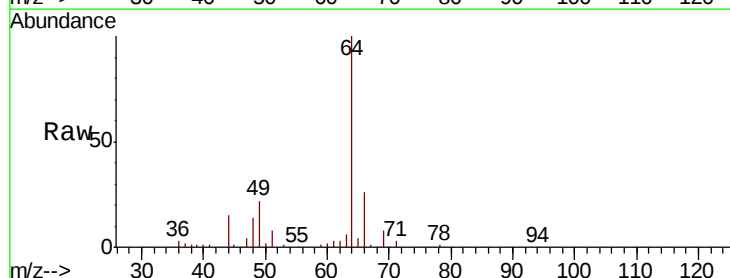
Acq: 22 Jun 2020 19:37

Tgt Ion: 64 Resp: 54730

Ion Ratio Lower Upper

64 100

66 25.8 19.4 36.0

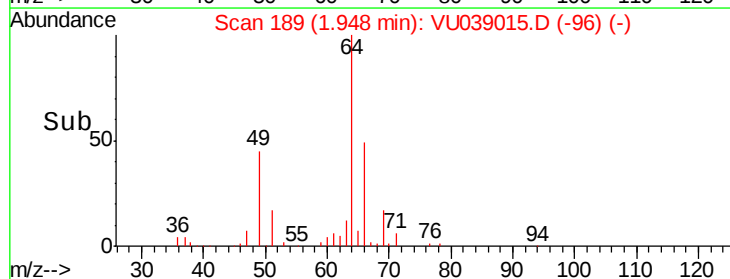


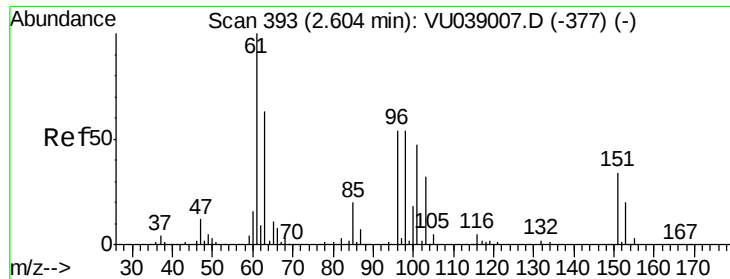
Abundance Ion 64.10 (63.80 to 64.80): VU039007.D (-182) (-)

Ion 66.05 (65.75 to 66.75): VU039007.D (-182) (-)

1.95

Time-->

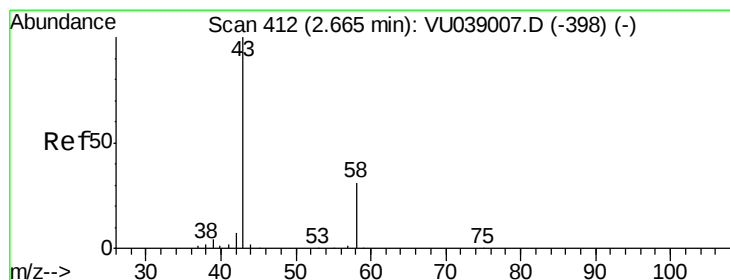
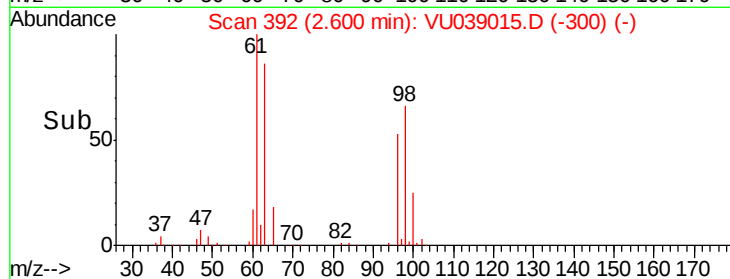
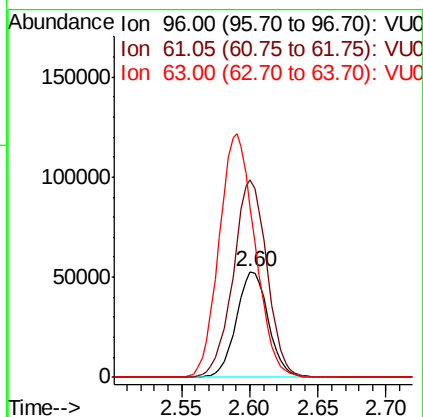
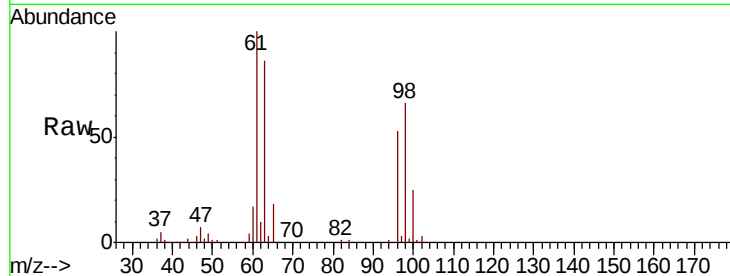




#12
 1,1-Dichloroethene
 Concen: 4.535 ug/L
 RT: 2.60 min Scan# 392
 Delta R.T. -0.00 min
 Lab File: VU039015.D
 Acq: 22 Jun 2020 19:37

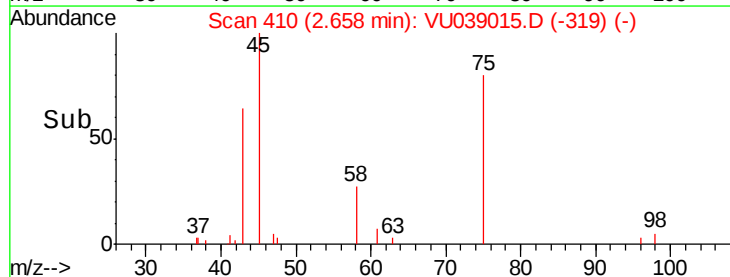
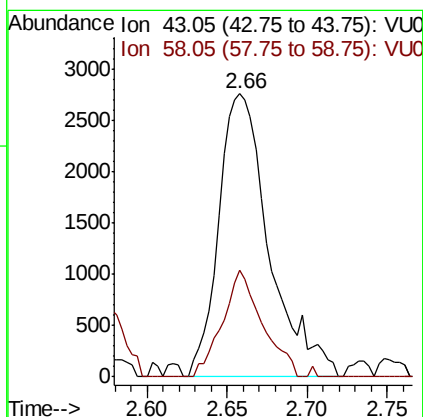
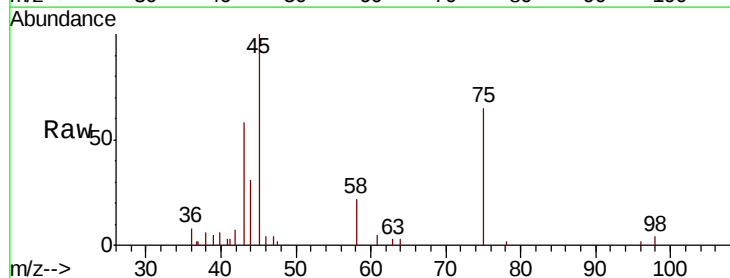
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ1

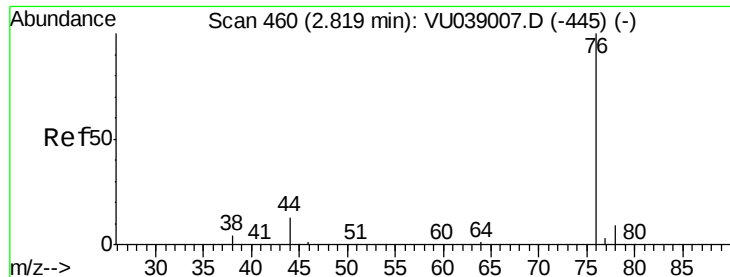
Tot Ion: 96 Resp: 85831
 Ion Ratio Lower Upper
 96 100
 61 187.7 128.7 239.1
 63 161.3 101.5 188.5



#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

Tgt Ion: 43 Resp: 5973
 Ion Ratio Lower Upper
 43 100
 58 29.8 0.0 64.8





#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

Instrument :

MSVOA_U

ClientSampleId :

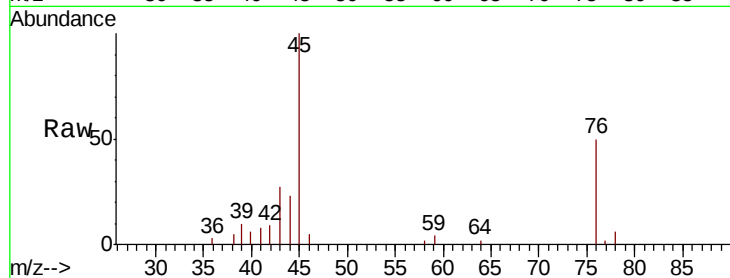
BFXJ1

Tot Ion: 76 Resp: 6750

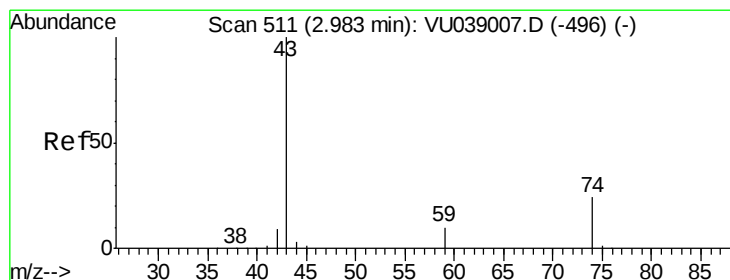
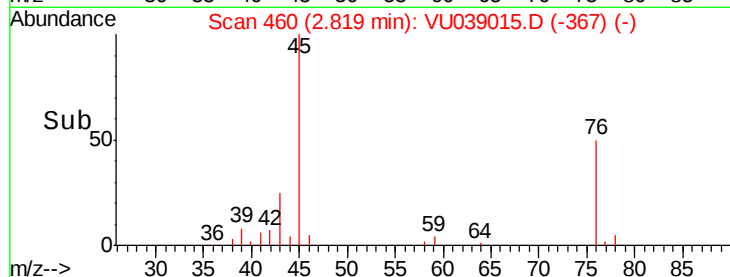
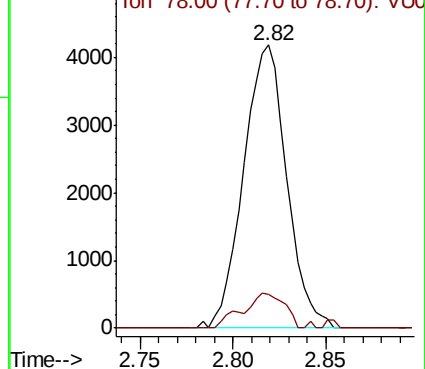
Ion Ratio Lower Upper

76 100

78 12.0 7.1 10.7#



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



#15

Methyl Acetate

Concen: 0.677 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.17 min

Lab File: VU039015.D

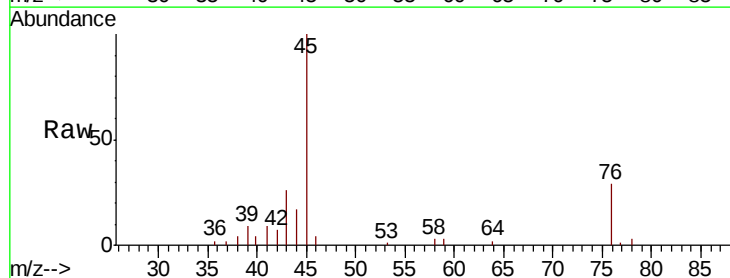
Acq: 22 Jun 2020 19:37

Tgt Ion: 43 Resp: 7606

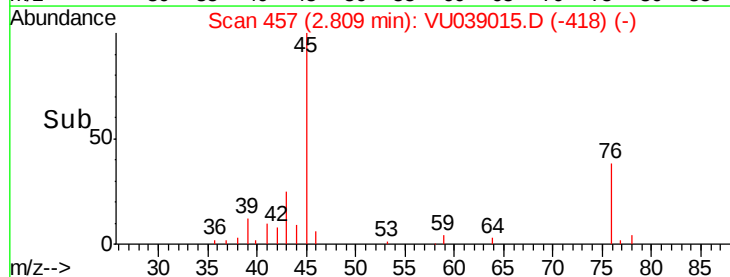
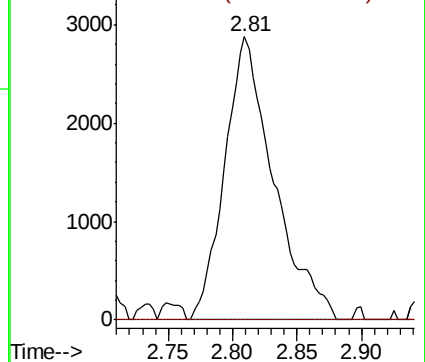
Ion Ratio Lower Upper

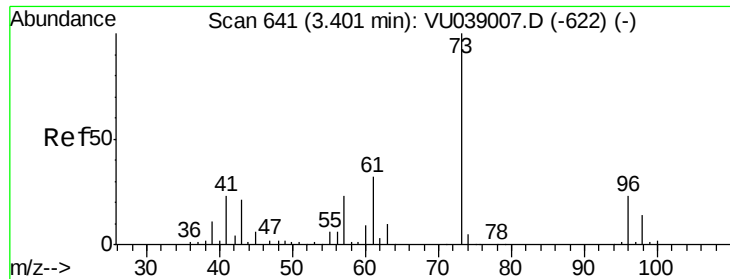
43 100

74 0.0 18.0 27.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039015.D (-418) (-)

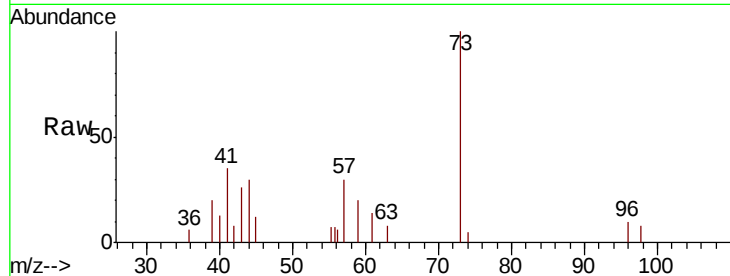




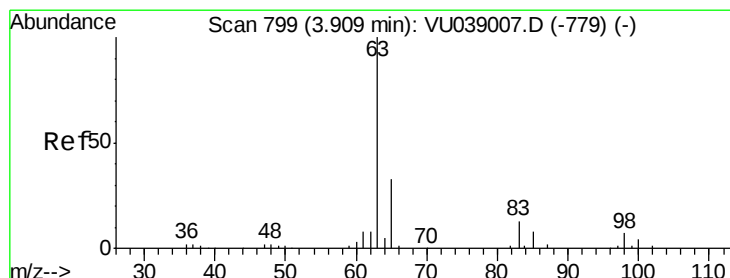
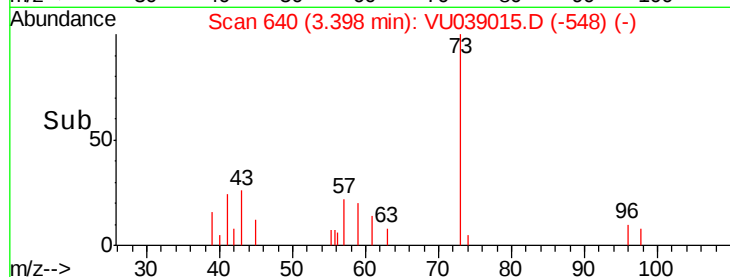
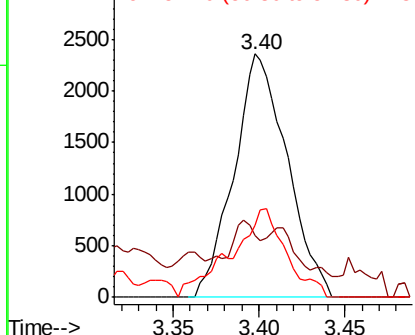
#17
Methvl tert-butvl Ether
Concen: 0.111 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU039015.D
Acq: 22 Jun 2020 19:37

Instrument :
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ClientSampleId :
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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#

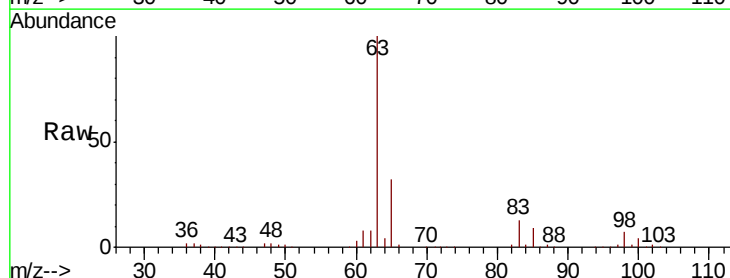


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

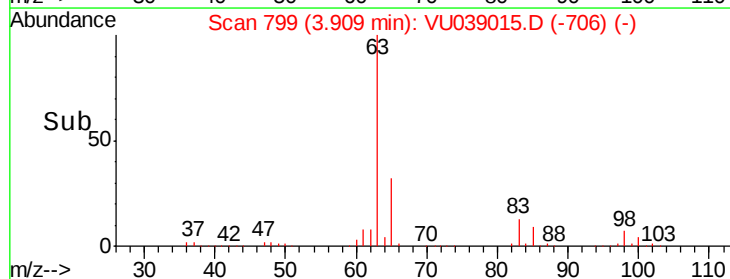
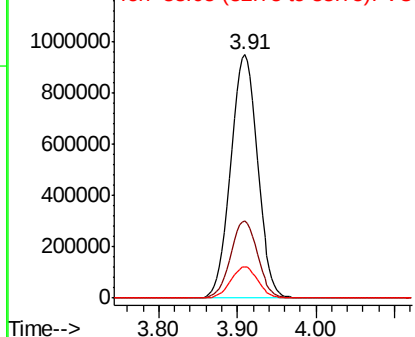


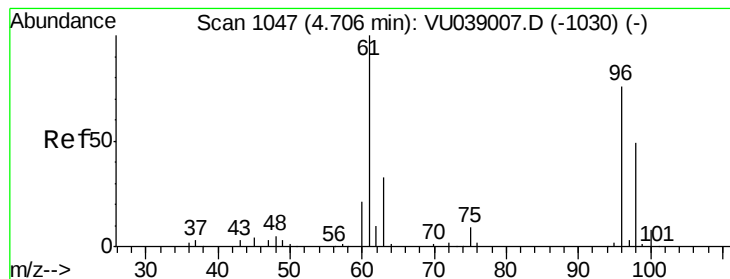
#19
1,1-Dichloroethane
Concen: 56.255 ug/L
RT: 3.91 min Scan# 799
Delta R.T. -0.00 min
Lab File: VU039015.D
Acq: 22 Jun 2020 19:37

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



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: 0.741 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 :

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BFXJ1

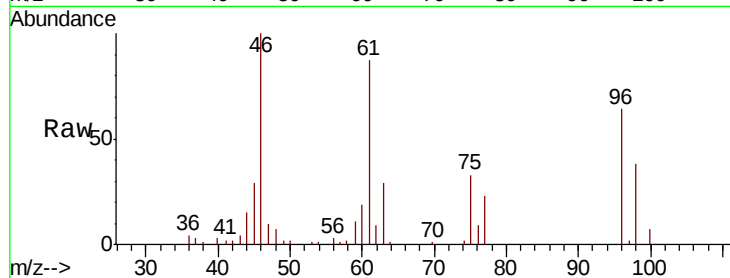
Tot Ion: 96 Resp: 16032

Ion Ratio Lower Upper

96 100

61 136.1 92.0 170.8

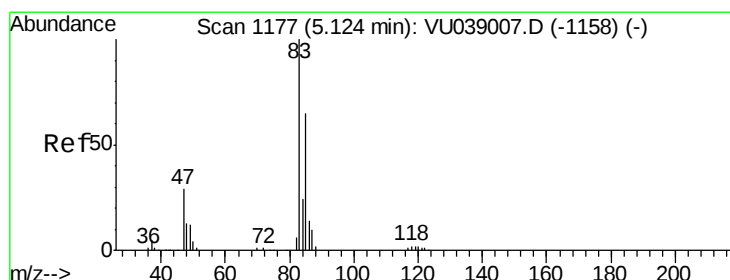
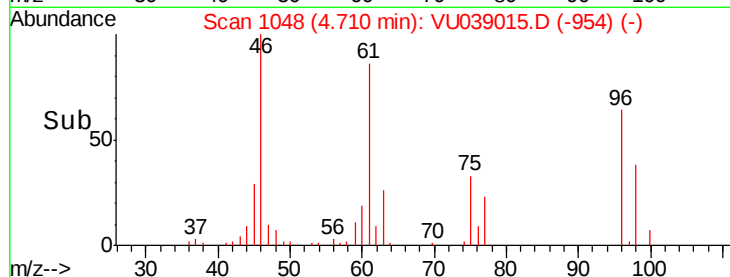
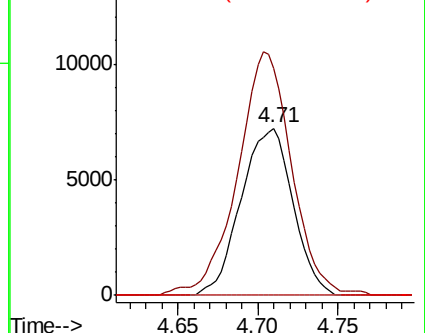
68 0.0 0.0 0.0



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

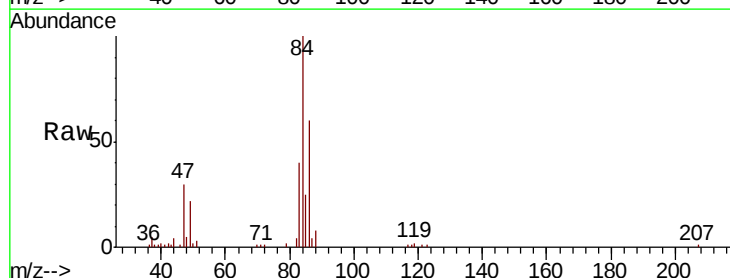
Acq: 22 Jun 2020 19:37

Tgt Ion: 83 Resp: 13715

Ion Ratio Lower Upper

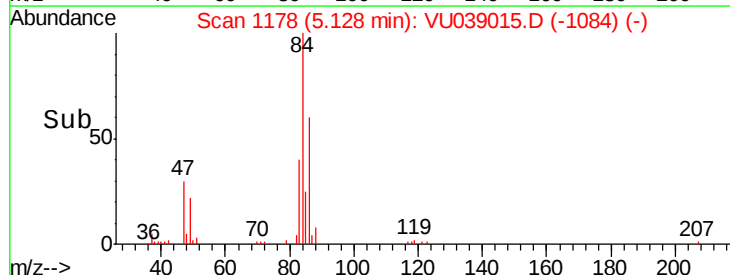
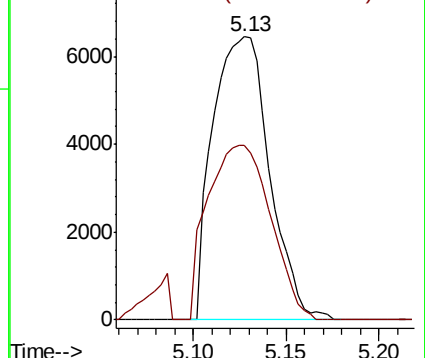
83 100

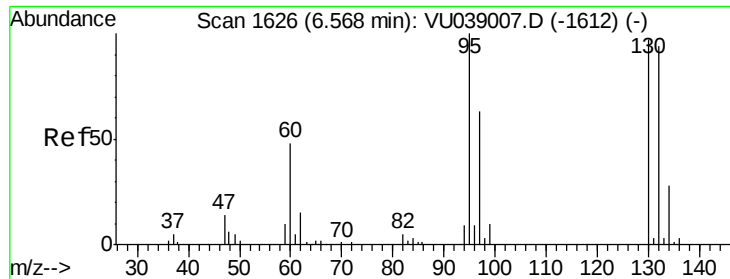
85 61.6 44.9 83.5



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

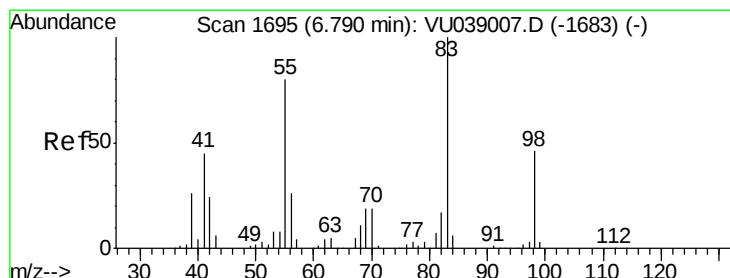
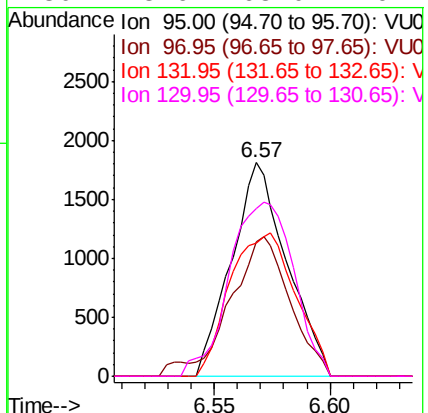
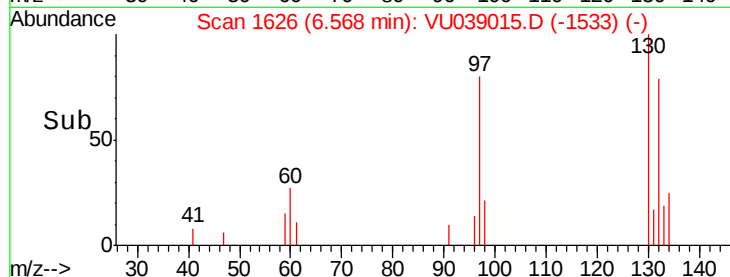
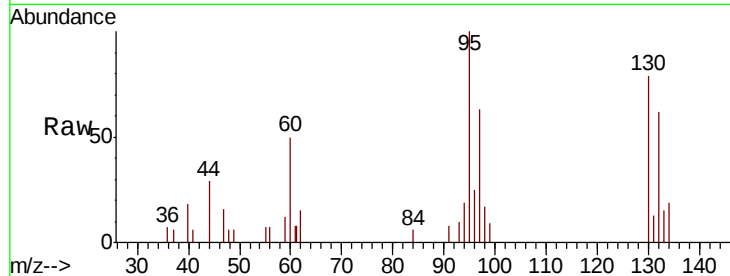
ClientSampleId :

BFXJ1

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



#35

Methylcyclohexane

Concen: 1.002 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

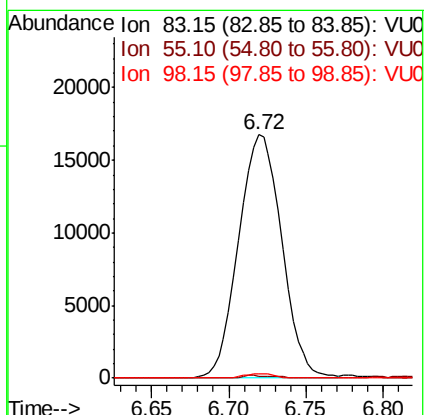
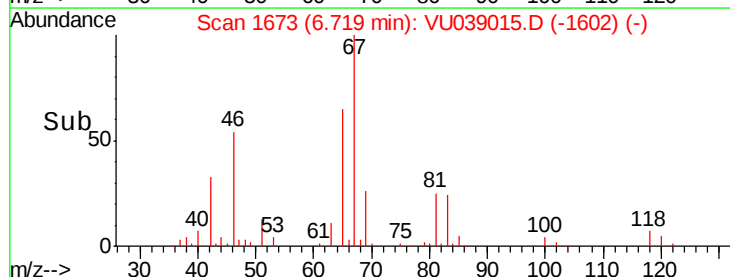
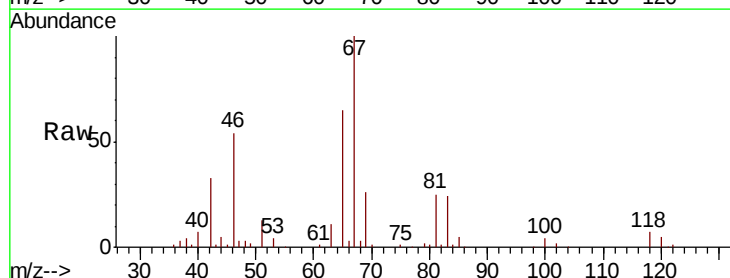
Lab File: VU039015.D

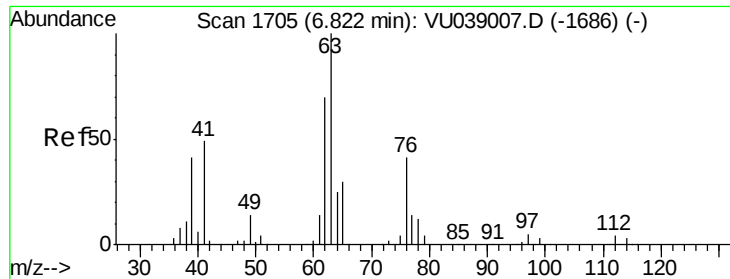
Acq: 22 Jun 2020 19:37

Tgt Ion: 83 Resp: 32621

Ion Ratio Lower Upper

83	100		
55	0.0	65.1	97.7#
98	1.2	37.0	55.4#

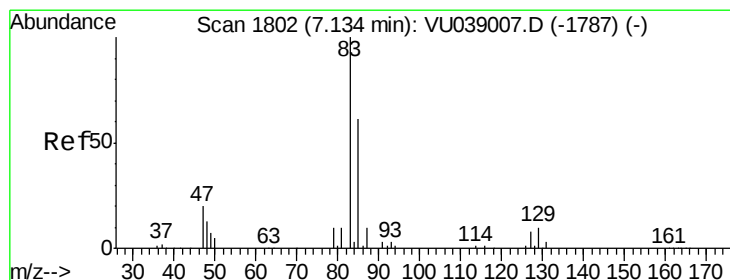
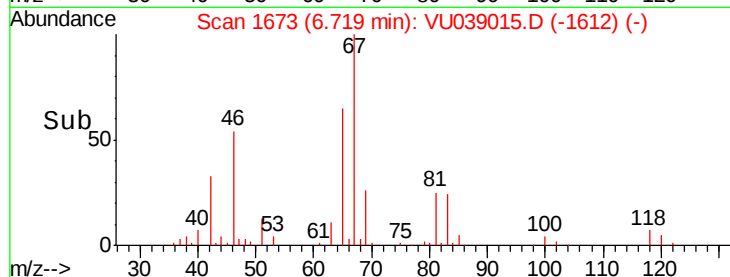
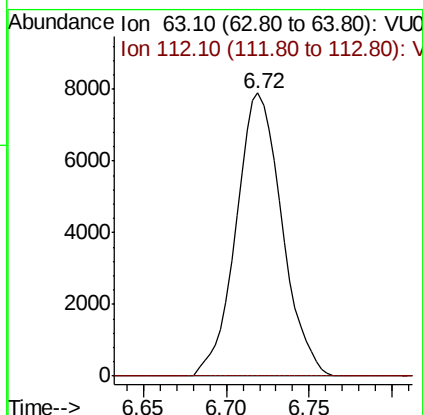
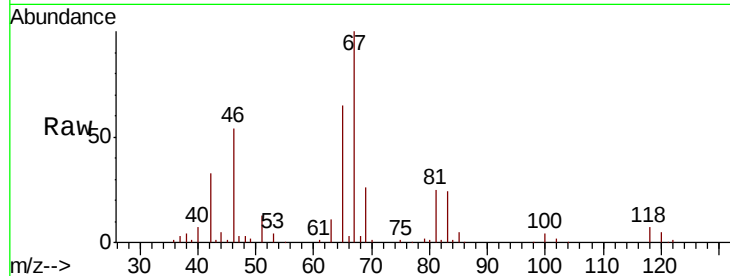




#37
 1,2-Dichloropropane
 Concen: 0.656 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU039015.D
 Acq: 22 Jun 2020 19:37

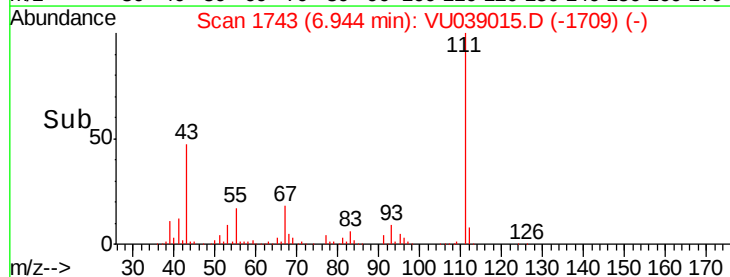
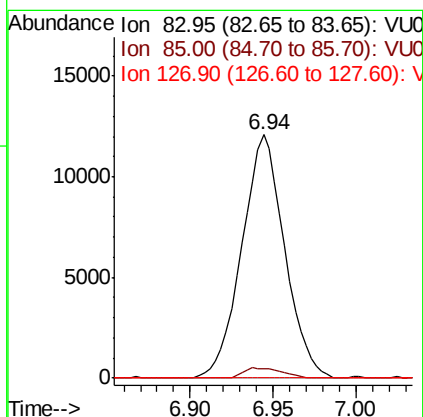
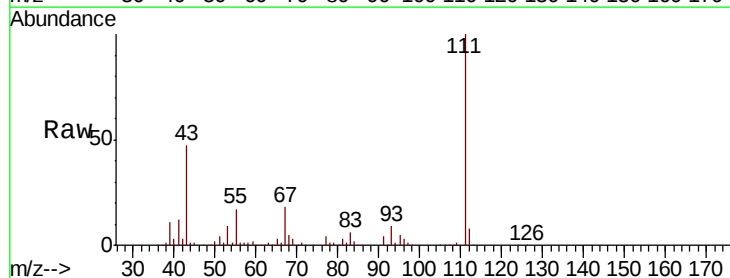
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ1

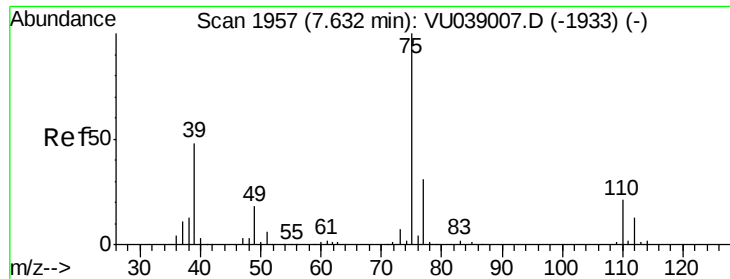
Tot Ion: 63 Resp: 15184
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#38
 Bromodichloromethane
 Concen: 0.756 ug/L
 RT: 6.94 min Scan# 1743
 Delta R.T. -0.19 min
 Lab File: VU039015.D
 Acq: 22 Jun 2020 19:37

Tgt Ion: 83 Resp: 21617
 Ion Ratio Lower Upper
 83 100
 85 3.7 43.6 81.0#
 127 0.0 6.1 9.1#

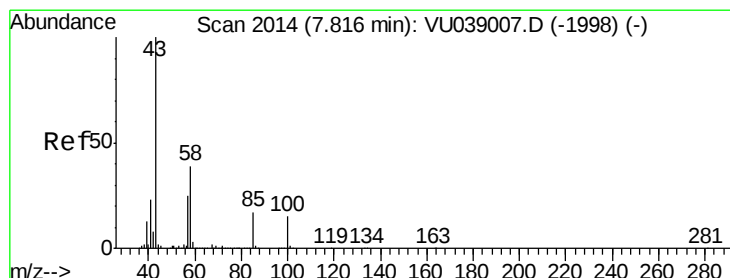
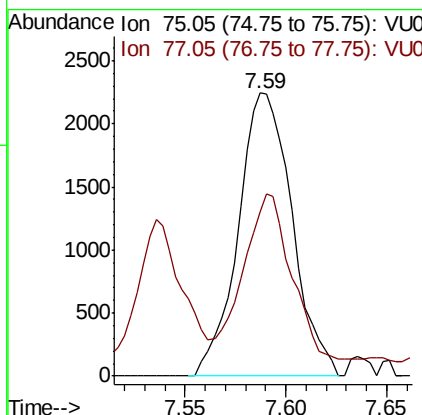
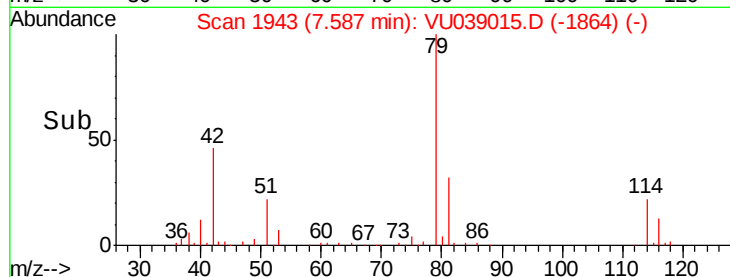
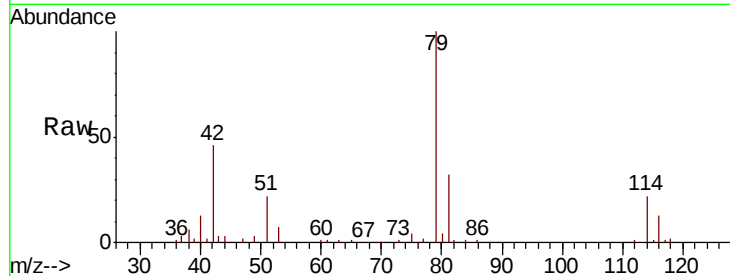




#39
 cis-1,3-Dichloropropene
 Concen: 0.127 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU039015.D
 Acq: 22 Jun 2020 19:37

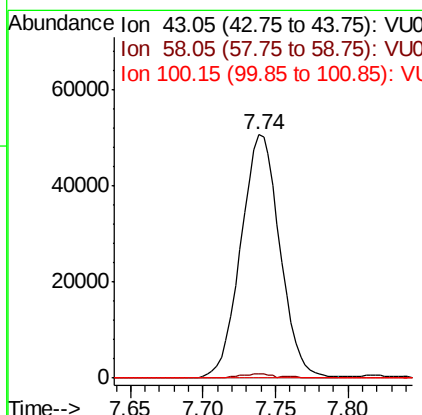
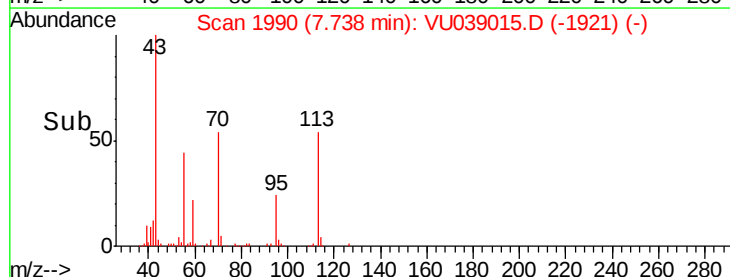
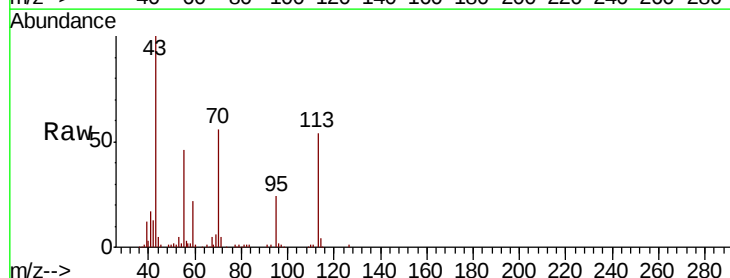
Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ1

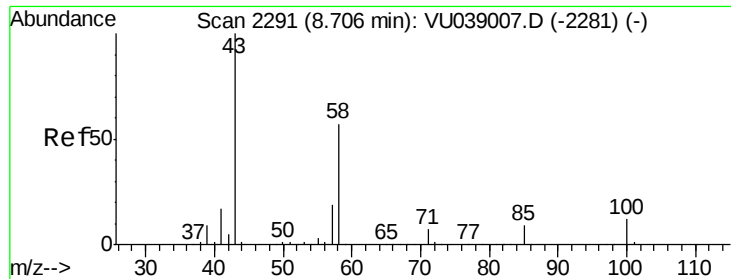
Tot Ion: 75 Resp: 4190
 Ion Ratio Lower Upper
 75 100
 77 58.0 22.0 41.0#



#40
 4-Methyl-2-pentanone
 Concen: 5.610 ug/L
 RT: 7.74 min Scan# 1990
 Delta R.T. -0.08 min
 Lab File: VU039015.D
 Acq: 22 Jun 2020 19:37

Tgt Ion: 43 Resp: 94910
 Ion Ratio Lower Upper
 43 100
 58 1.3 31.4 47.0#
 100 0.0 11.6 17.4#

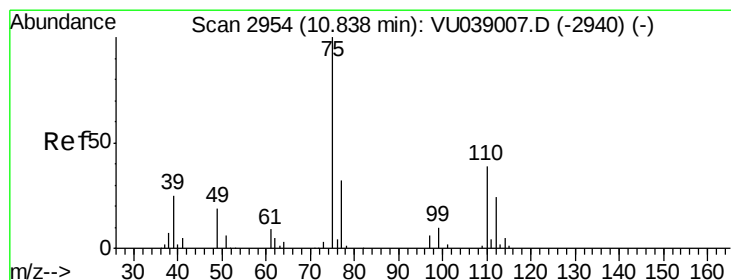
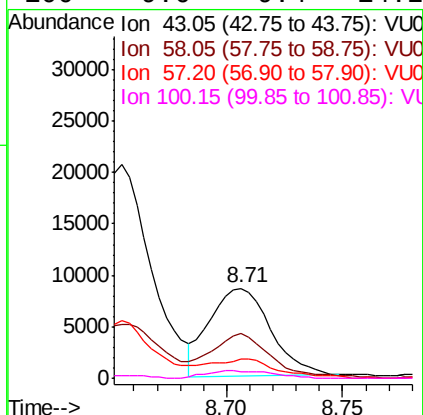
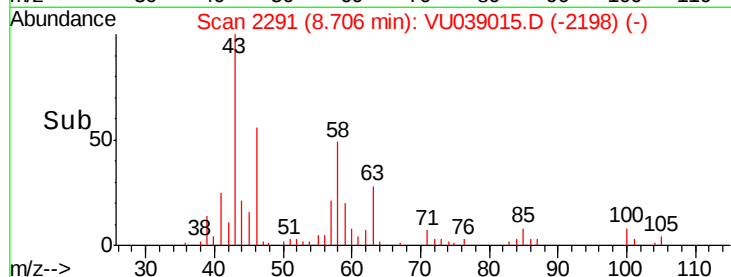
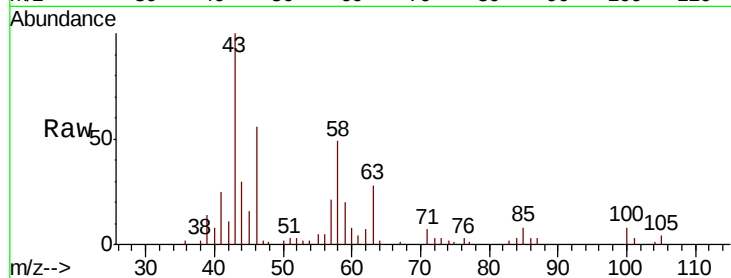




#48
2-Hexanone
Concen: 1.213 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU039015.D
Acq: 22 Jun 2020 19:37

Instrument :
MSVOA_U
ClientSampleId :
BFXJ1

Tot Ion: 43 Resp: 15537
Ion Ratio Lower Upper
43 100
58 50.8 43.5 65.3
57 23.7 15.0 22.4#
100 9.6 9.4 14.2



#59
1,2,3-Trichloropropane
Concen: 1.056 ug/L
RT: 11.82 min Scan# 3260
Delta R.T. 0.98 min
Lab File: VU039015.D
Acq: 22 Jun 2020 19:37

Tgt Ion: 75 Resp: 17996
Ion Ratio Lower Upper
75 100
77 40.9 25.5 38.3#

