

Data File : VU035913.D
Acq On : 29 Nov 2019 11:19
Operator : JC/SP
Sample : K6056-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE20

Quant Time: Nov 30 03:23:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 30 03:20:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	314225	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	338400	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	113400	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	100282	2.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	48.80%
7) Chloroethane-d5	1.93	69	104286	2.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	58.60%#
11) 1,1-Dichloroethene-d2	2.59	63	120865	1.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	31.60%#
20) 2-Butanone-d5	4.70	46	350031	36.85	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.70%
24) Chloroform-d	5.11	84	213010	3.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	61.20%#
26) 1,2-Dichloroethane-d4	5.75	65	121736	3.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	62.40%#
32) Benzene-d6	5.77	84	383633	2.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	59.40%#
36) 1,2-Dichloropropane-d6	6.73	67	140338	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	64.60%
41) Toluene-d8	7.93	98	287677	2.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	48.20%#
43) trans-1,3-Dichloropropene-	8.22	79	47114	2.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	55.60%
46) 2-Hexanone-d5	8.68	63	295036	43.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.72%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	125145	3.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	68.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	98238	3.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.80%#

Target Compounds

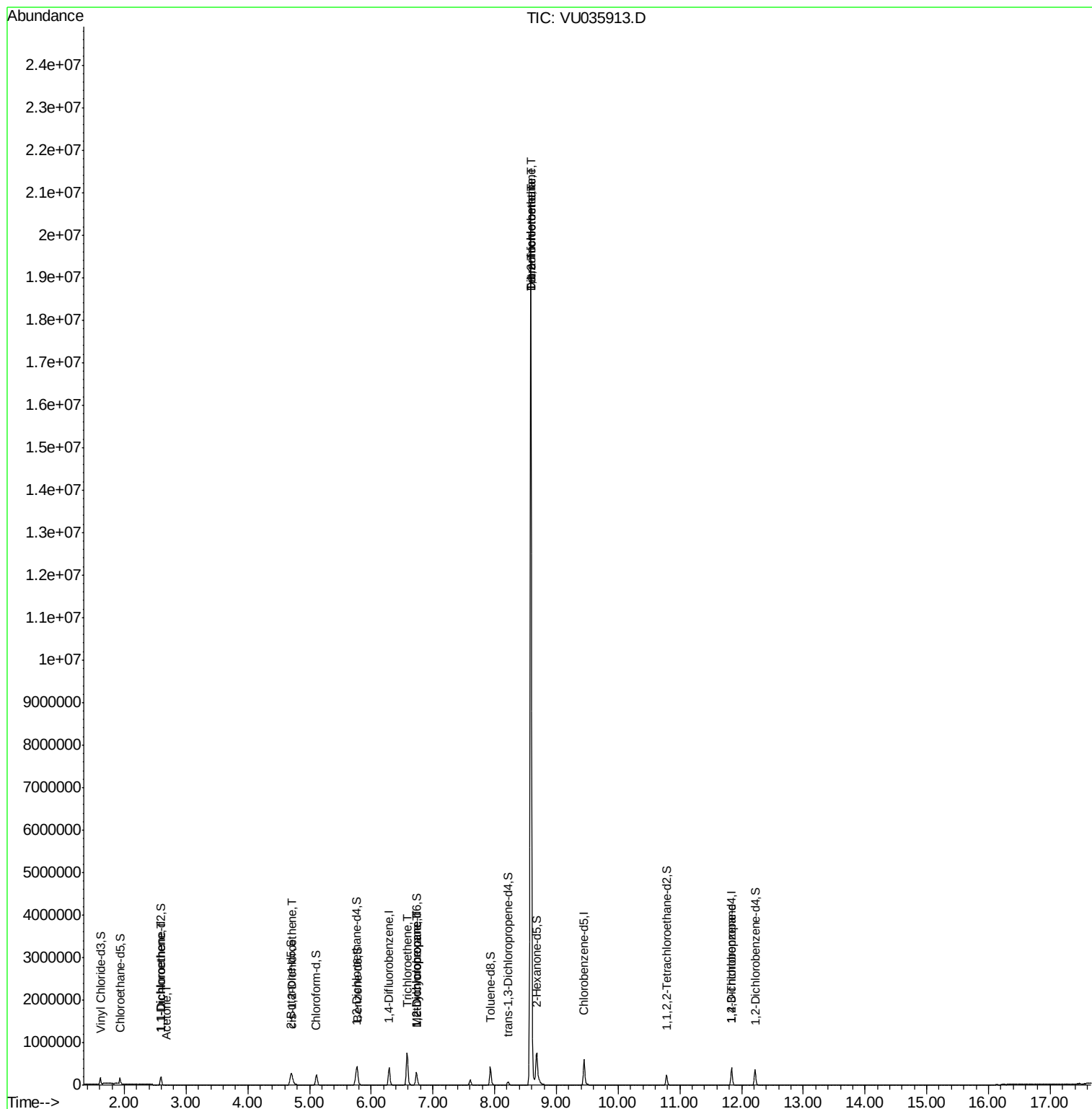
					Qvalue
12) 1,1-Dichloroethene	2.61	96	2182	0.067 ug/L #	1
13) Acetone	2.68	43	10083	1.209 ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	63666	1.775 ug/L	100
34) Trichloroethene	6.58	95	266409	7.692 ug/L	97
35) Methylcyclohexane	6.73	83	31257	0.615 ug/L #	14
37) 1,2-Dichloropropane	6.73	63	15815	0.395 ug/L #	91
45) 1,1,2-Trichloroethane	8.58	97	38249	1.465 ug/L #	1
47) Tetrachloroethene	8.59	164	4577793	173.702 ug/L	98
49) Dibromochloromethane	8.59	129	4291605	139.349 ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	15713	0.603 ug/L	98

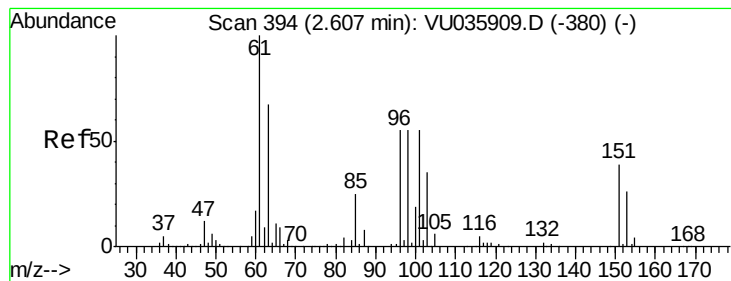
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.067 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035913.D

Acq: 29 Nov 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

BFE20

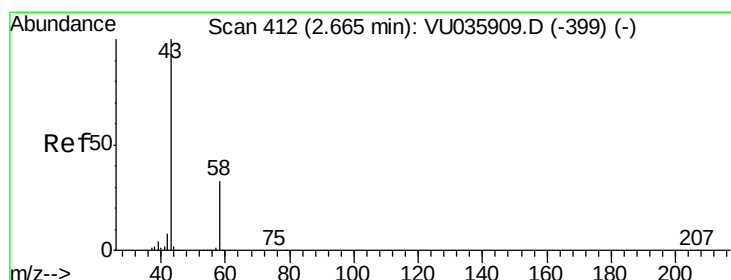
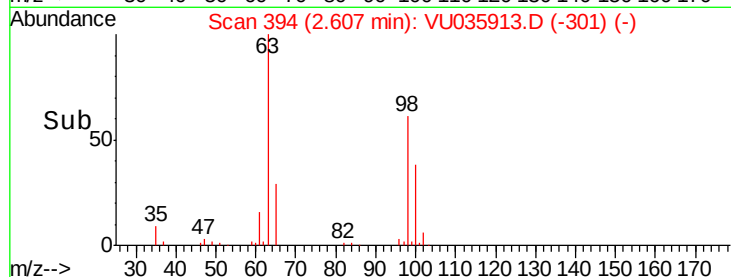
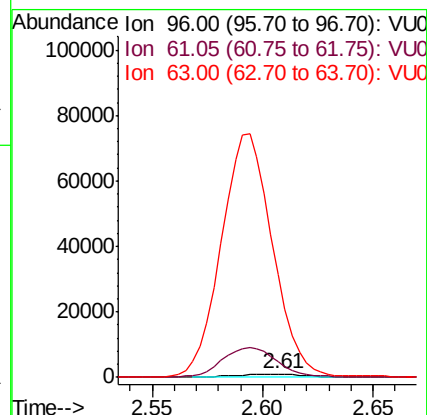
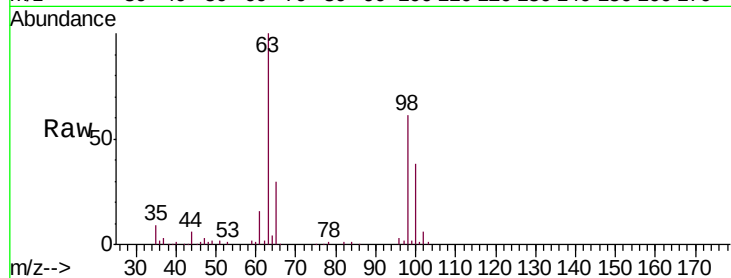
Tgt Ion: 96 Resp: 2182

Ion Ratio Lower Upper

96 100

61 545.8 139.3 258.7#

63 3481.4 93.7 174.1#



#13

Acetone

Concen: 1.209 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.02 min

Lab File: VU035913.D

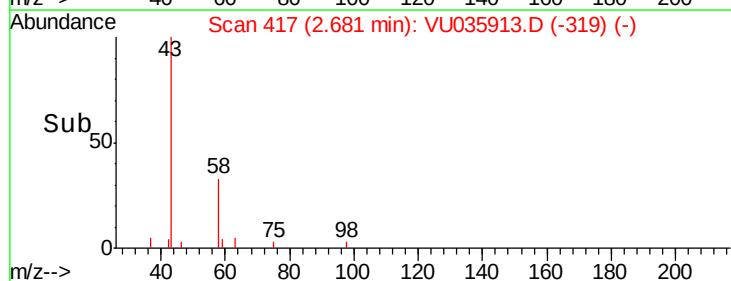
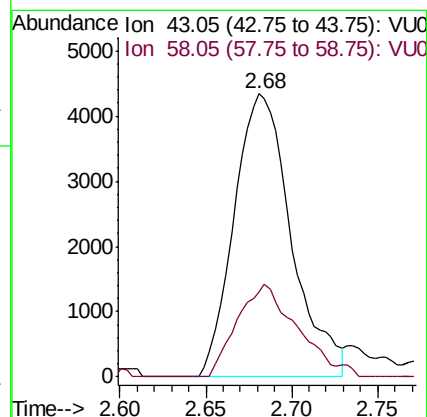
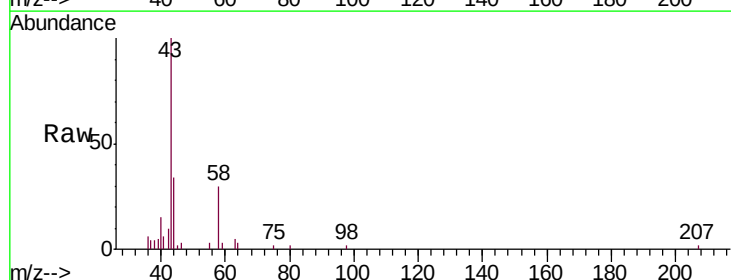
Acq: 29 Nov 2019 11:19

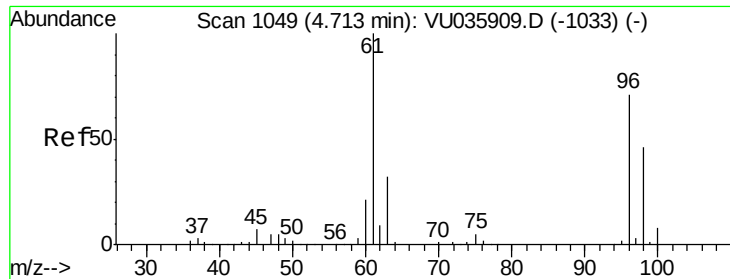
Tgt Ion: 43 Resp: 10083

Ion Ratio Lower Upper

43 100

58 34.4 0.0 61.2





#22

cis-1,2-Dichloroethene

Concen: 1.775 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU035913.D

Acq: 29 Nov 2019 11:19

Instrument :

MSVOA_U

ClientSampled :

BFE20

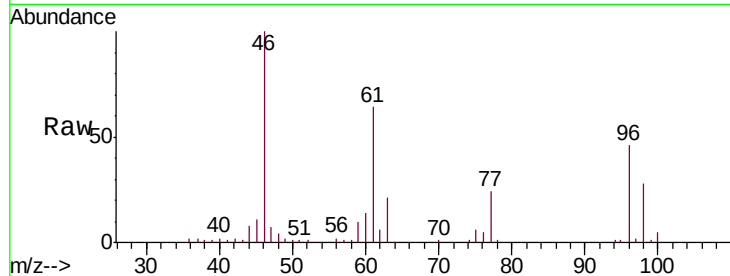
Tgt Ion: 96 Resp: 63666

Ion Ratio Lower Upper

96 100

61 140.1 98.1 182.1

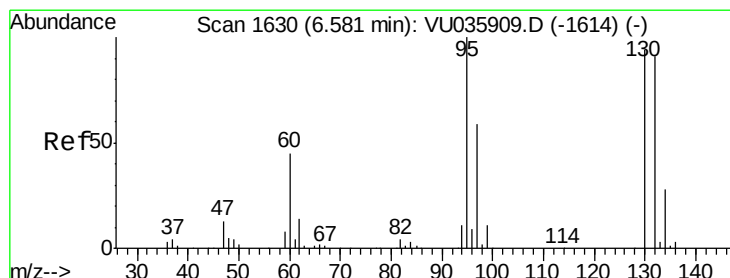
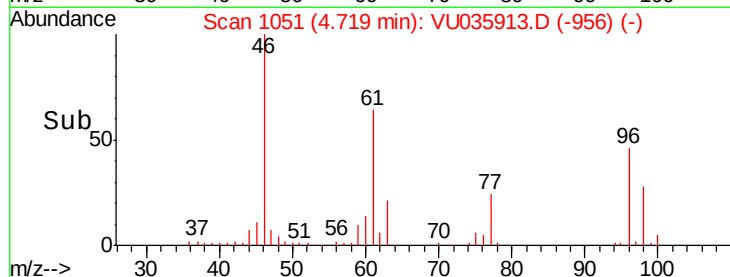
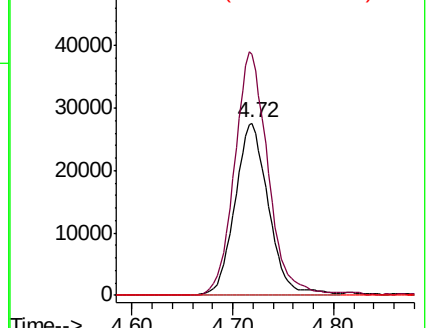
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035913.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU035913.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU035913.D (-1033) (-)



#34

Trichloroethene

Concen: 7.692 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035913.D

Acq: 29 Nov 2019 11:19

Tgt Ion: 95 Resp: 266409

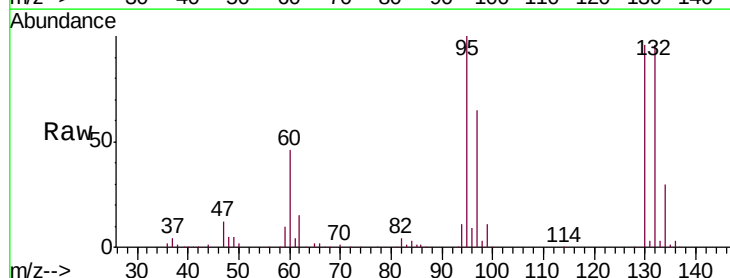
Ion Ratio Lower Upper

95 100

97 64.6 45.1 83.9

132 95.7 61.9 114.9

130 95.6 66.3 123.1

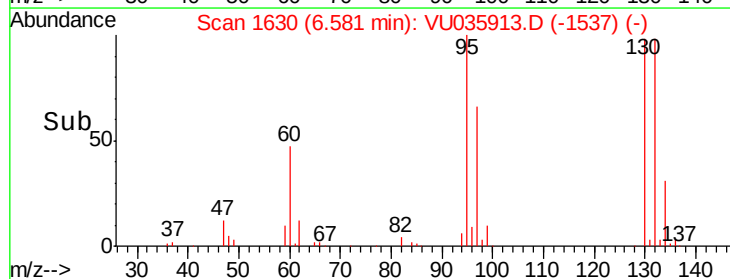
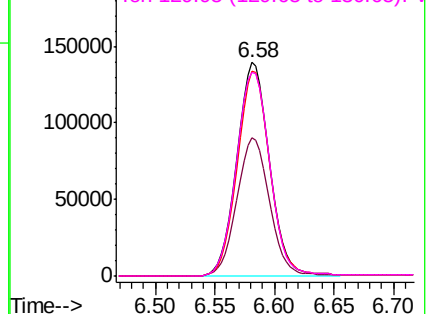


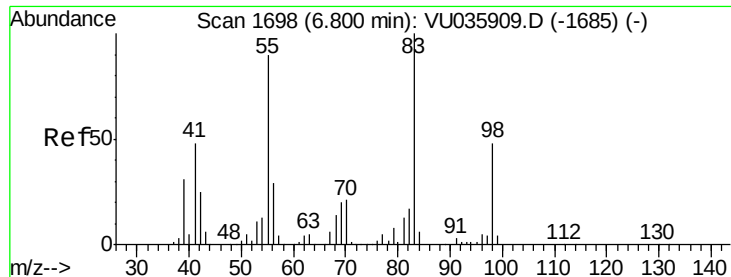
Abundance Ion 95.00 (94.70 to 95.70): VU035913.D (-1614) (-)

Ion 96.95 (96.65 to 97.65): VU035913.D (-1614) (-)

Ion 131.95 (131.65 to 132.65): VU035913.D (-1614) (-)

Ion 129.95 (129.65 to 130.65): VU035913.D (-1614) (-)

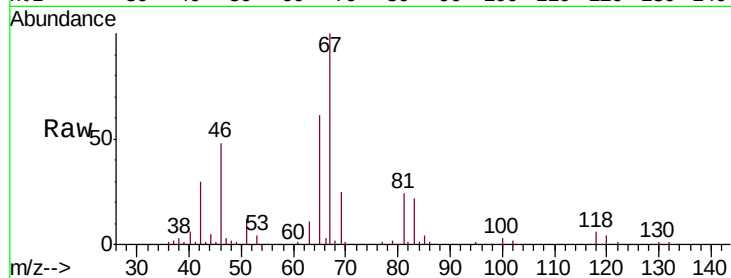




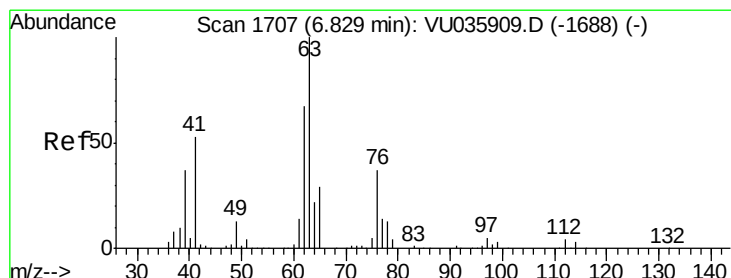
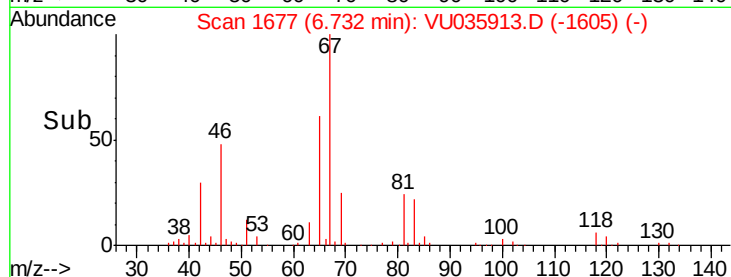
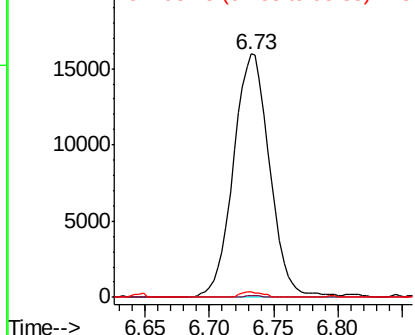
#35
Methylcyclohexane
Concen: 0.615 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU035913.D
Acq: 29 Nov 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
BFE20

Tgt Ion: 83 Resp: 31257
Ion Ratio Lower Upper
83 100
55 0.3 72.7 109.1#
98 1.3 36.2 54.4#

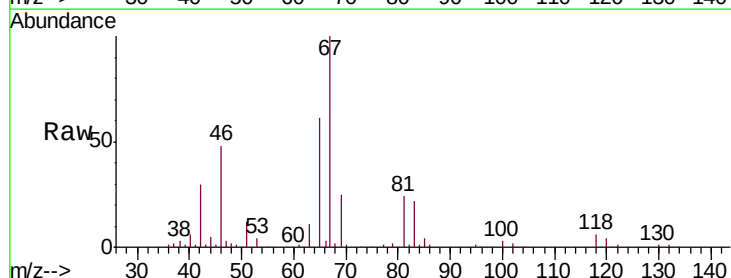


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

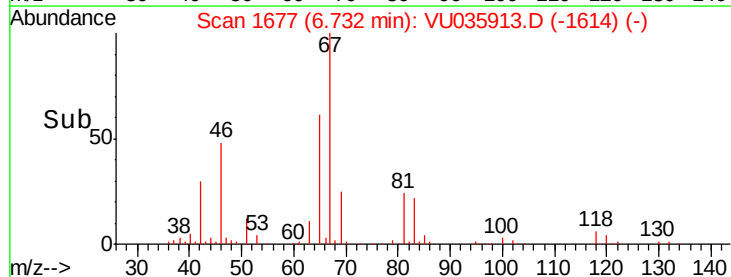
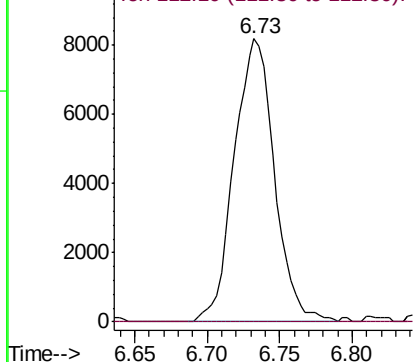


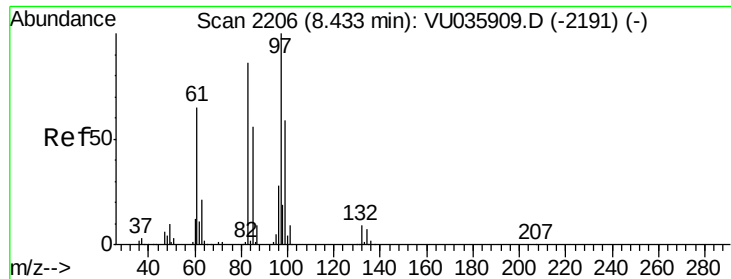
#37
1,2-Dichloropropane
Concen: 0.395 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU035913.D
Acq: 29 Nov 2019 11:19

Tgt Ion: 63 Resp: 15815
Ion Ratio Lower Upper
63 100
112 0.4 2.7 4.1#



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





#45

1,1,2-Trichloroethane

Concen: 1.465 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.15 min

Lab File: VU035913.D

Acq: 29 Nov 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

BFE20

Tgt Ion: 97 Resp: 38249

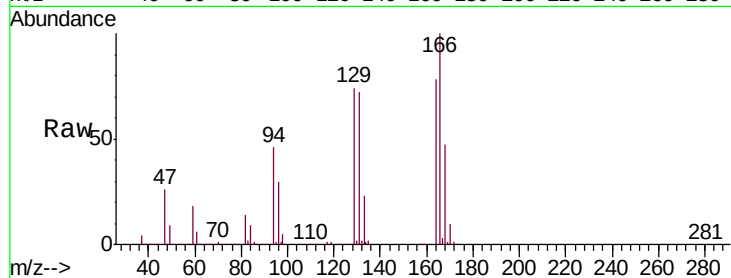
Ion Ratio Lower Upper

97 100

99 16.0 44.2 82.0#

83 300.2 62.2 115.6#

85 39.5 41.5 77.1#



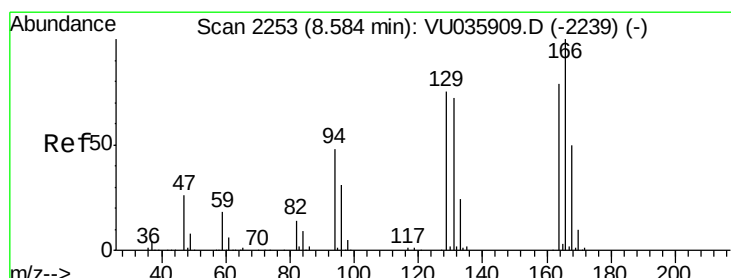
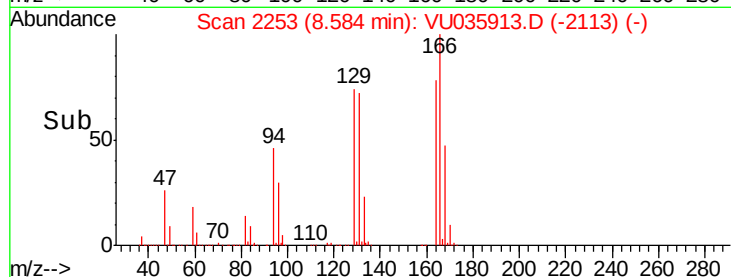
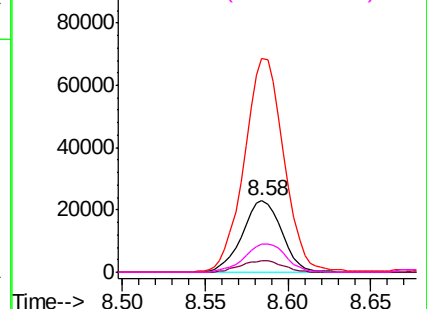
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 173.702 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU035913.D

Acq: 29 Nov 2019 11:19

Tgt Ion:164 Resp: 4577793

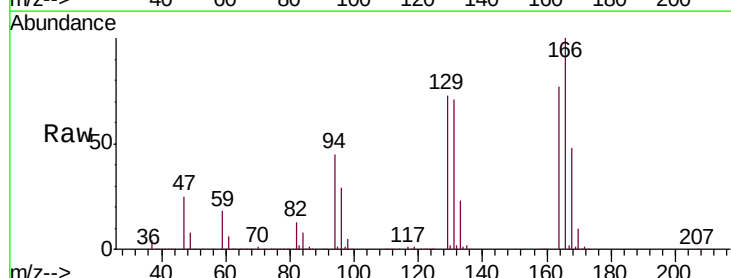
Ion Ratio Lower Upper

164 100

129 95.7 68.8 127.8

131 92.6 67.3 124.9

166 130.5 91.6 170.2



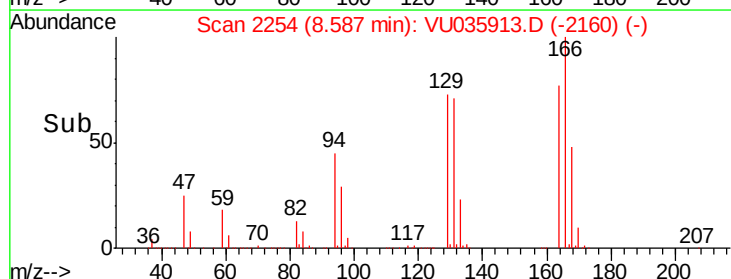
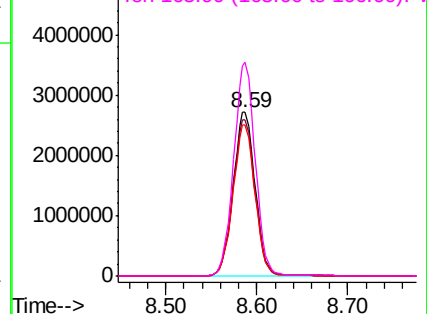
Abundance

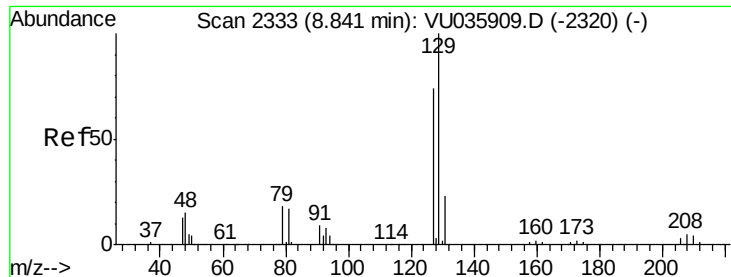
Ion 163.90 (163.60 to 164.60): V

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





#49

Dibromochloromethane

Concen: 139.349 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. -0.25 min

Lab File: VU035913.D

Acq: 29 Nov 2019 11:19

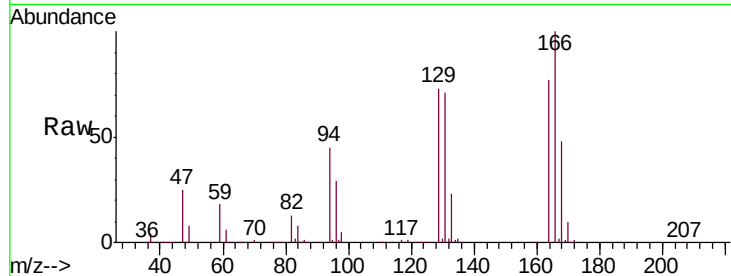
Instrument :
MSVOA_U
ClientSampled :
BFE20

Tgt Ion:129 Resp: 4291605

Ion Ratio Lower Upper

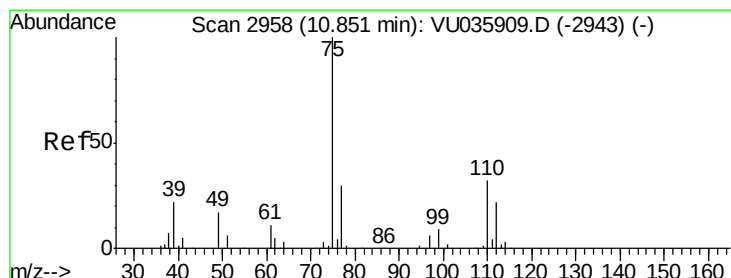
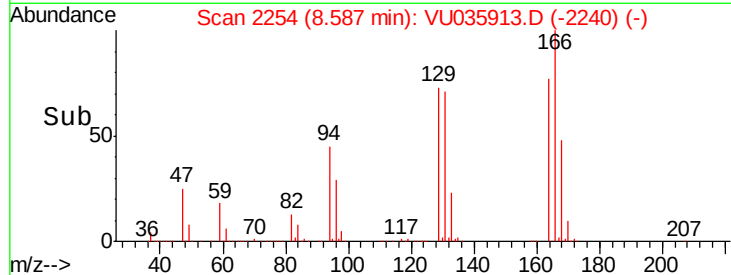
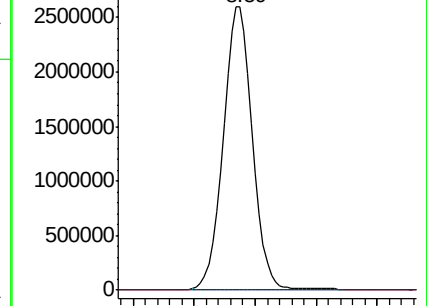
129 100

127 0.0 53.1 98.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.603 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU035913.D

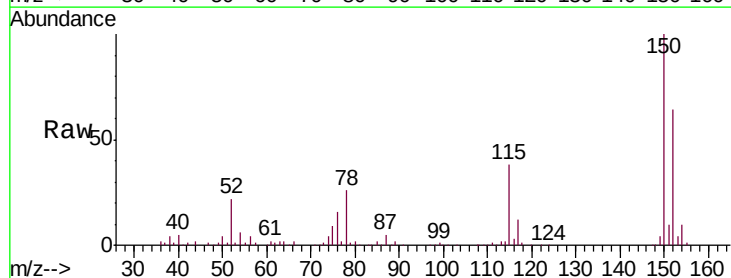
Acq: 29 Nov 2019 11:19

Tgt Ion: 75 Resp: 15713

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

