

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121319\
 Data File : VU036218.D
 Acq On : 14 Dec 2019 00:07
 Operator : JC/MD
 Sample : K6240-22
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFQS7

Quant Time: Dec 14 01:23:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 14 01:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	218692	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	249380	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	95783	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	94080	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	1.93	69	91514	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.59	63	97787	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	4.70	46	234169	64.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.80%
24) Chloroform-d	5.11	84	160817	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.75	65	88530	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
32) Benzene-d6	5.77	84	296805	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.73	67	97070	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.93	98	237239	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	8.21	79	35801	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.68	63	172660	55.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.12%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	100730	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	98367	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

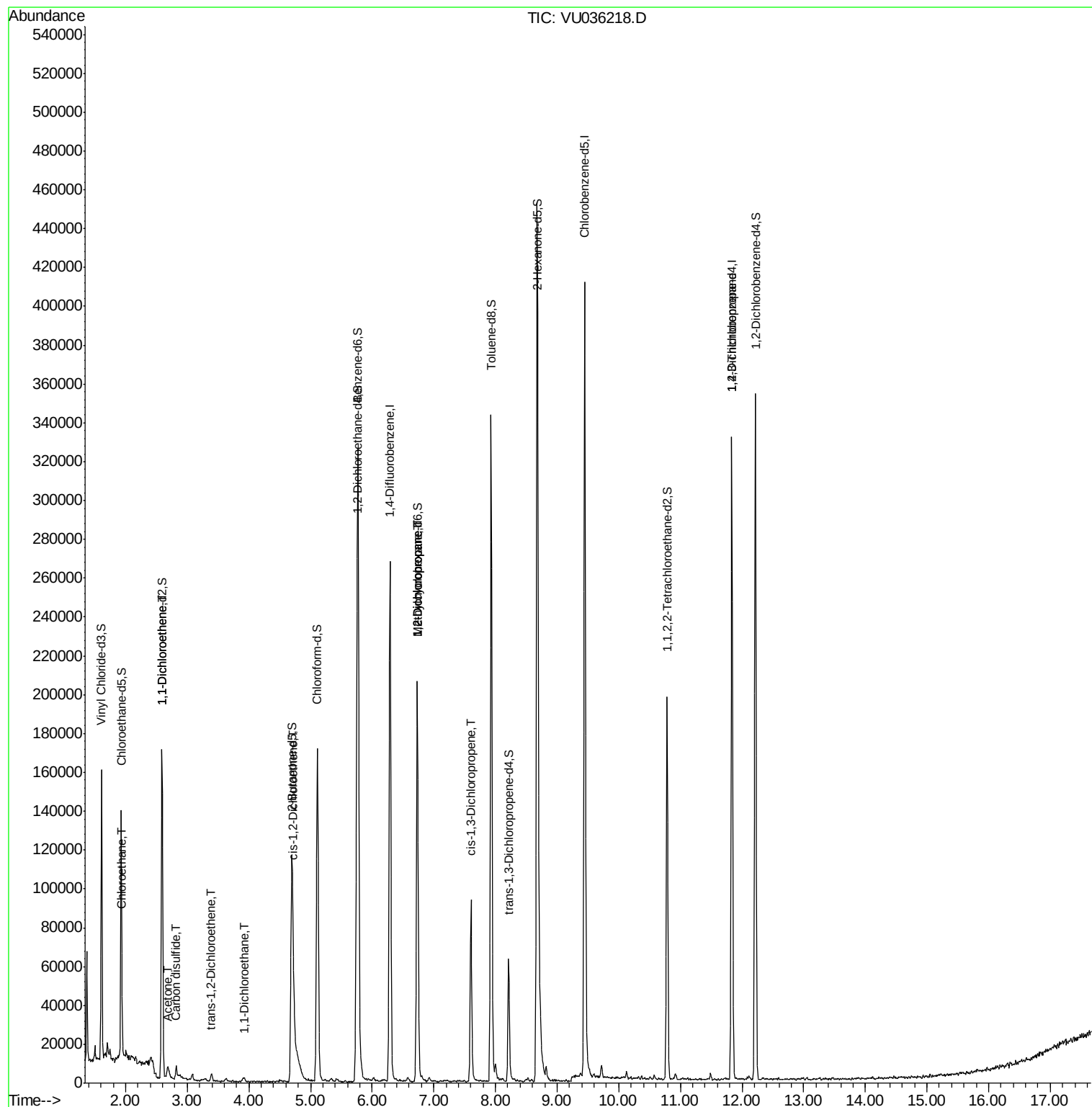
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	1785	0.103	ug/L	93
12) 1,1-Dichloroethene	2.59	96	989	0.061	ug/L #	1
13) Acetone	2.69	43	11527	3.666	ug/L	84
14) Carbon disulfide	2.82	76	7967	0.146	ug/L #	82
18) trans-1,2-Dichloroethene	3.39	96	1695	0.100	ug/L #	68
19) 1,1-Dichloroethane	3.92	63	2876	0.092	ug/L	94
22) cis-1,2-Dichloroethene	4.72	96	1960	0.108	ug/L	89
35) Methylcyclohexane	6.73	83	24429	0.870	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	11105	0.568	ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	2598	0.098	ug/L #	38
59) 1,2,3-Trichloropropane	11.83	75	10155	0.781	ug/L	91

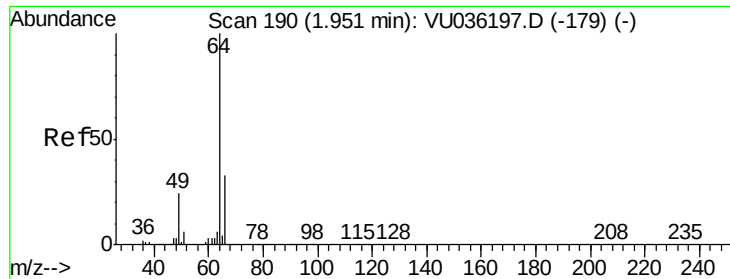
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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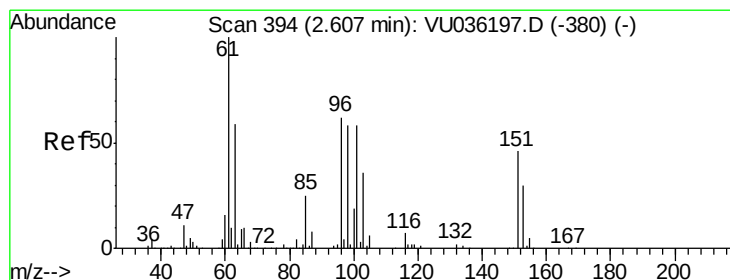
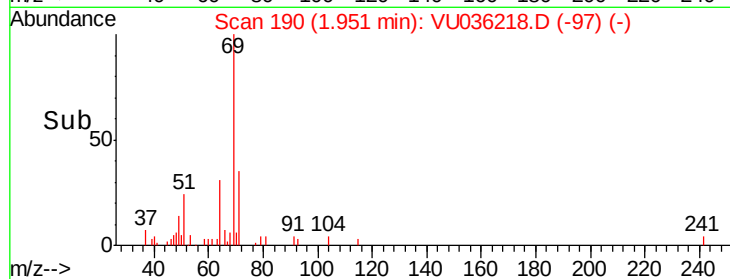
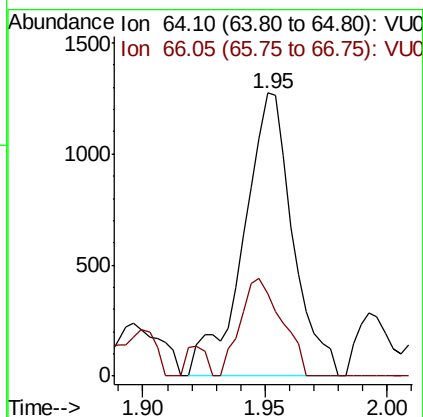
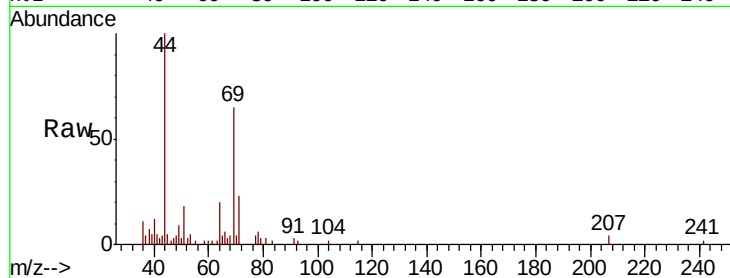




#8
Chloroethane
Concen: 0.103 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036218.D
Acq: 14 Dec 2019 00:07

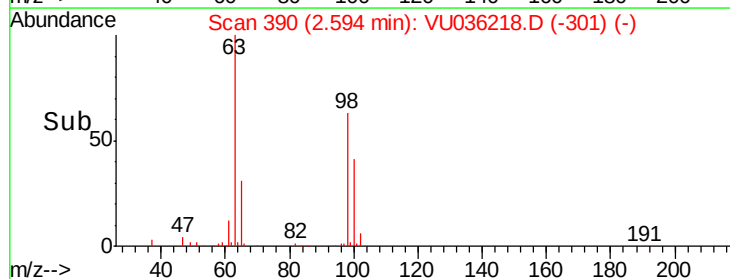
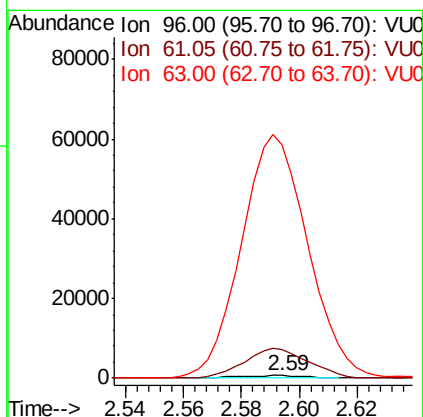
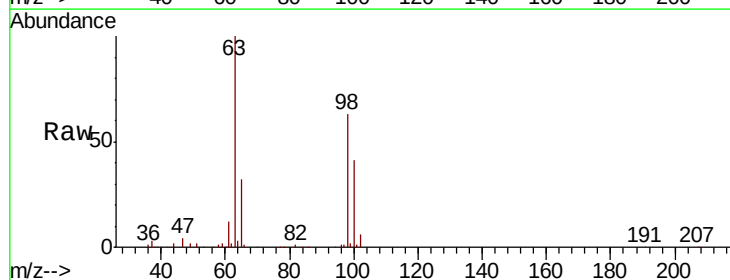
Instrument :
MSVOA_U
ClientSampled :
BFQS7

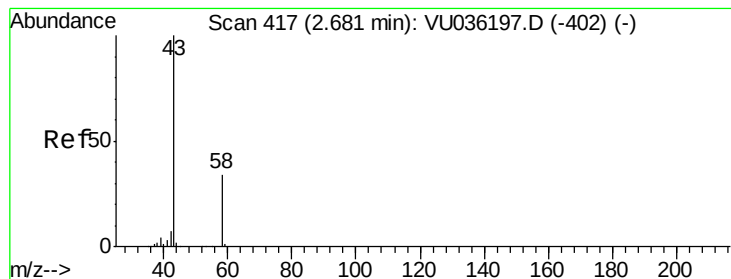
Tot Ion: 64 Resp: 1785
Ion Ratio Lower Upper
64 100
66 29.2 23.1 42.9



#12
1,1-Dichloroethene
Concen: 0.061 ug/L
RT: 2.59 min Scan# 390
Delta R.T. -0.01 min
Lab File: VU036218.D
Acq: 14 Dec 2019 00:07

Tgt Ion: 96 Resp: 989
Ion Ratio Lower Upper
96 100
61 1072.6 114.0 211.8#
63 8726.2 63.6 118.0#





#13

Acetone

Concen: 3.666 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.01 min

Lab File: VU036218.D

Acq: 14 Dec 2019 00:07

Instrument :

MSVOA_U

ClientSampleId :

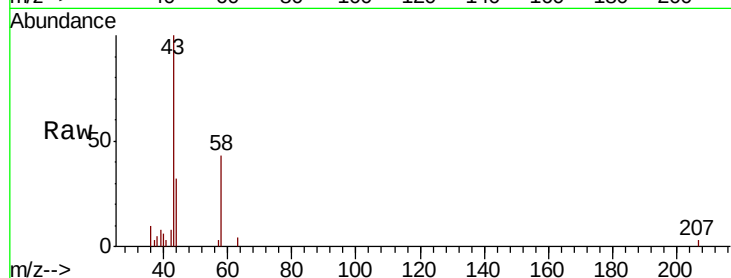
BFQS7

Tot Ion: 43 Resp: 11527

Ion Ratio Lower Upper

43 100

58 24.7 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036197.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU036197.D (-402) (-)

2.69

4000

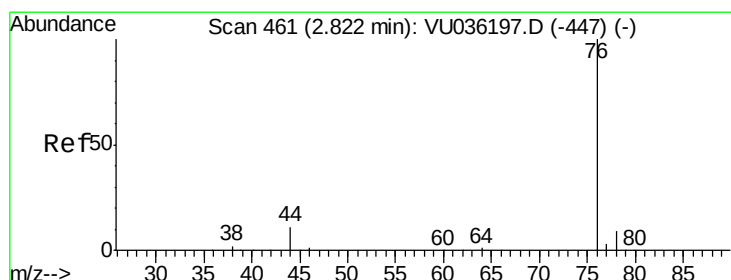
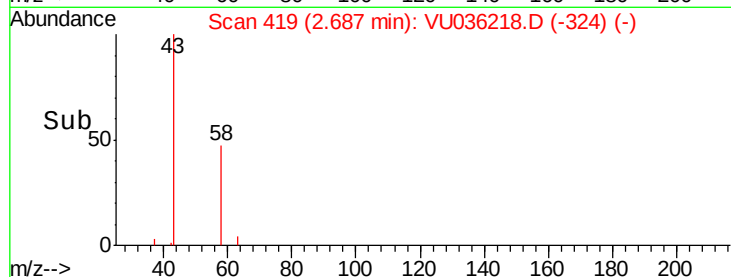
3000

2000

1000

0

Time--> 2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 0.146 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036218.D

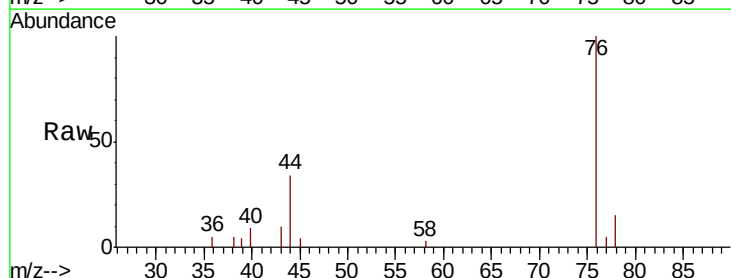
Acq: 14 Dec 2019 00:07

Tgt Ion: 76 Resp: 7967

Ion Ratio Lower Upper

76 100

78 15.2 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU036197.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036197.D (-447) (-)

2.82

5000

4000

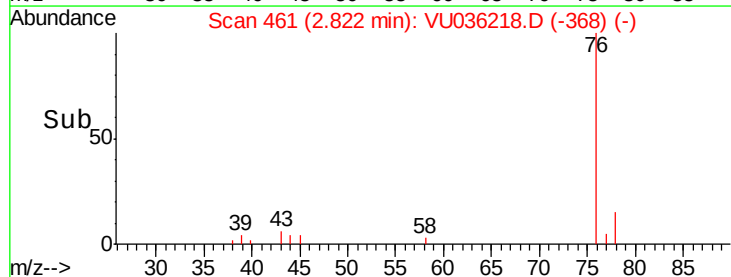
3000

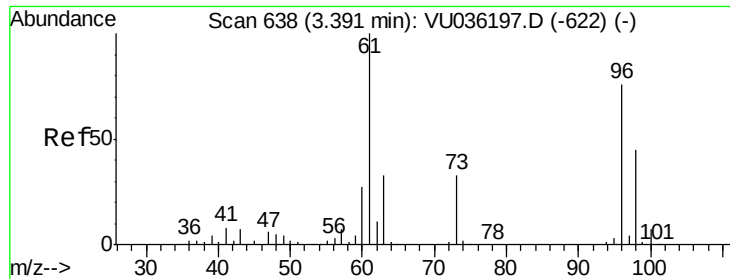
2000

1000

0

Time--> 2.75 2.80 2.85

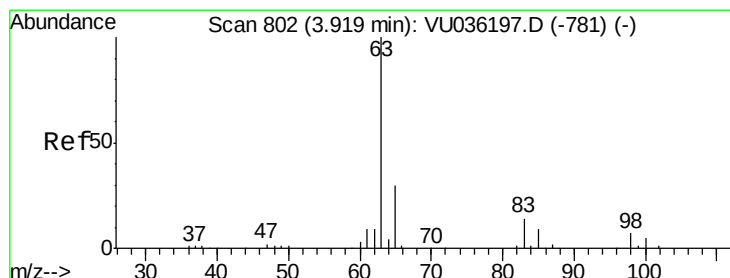
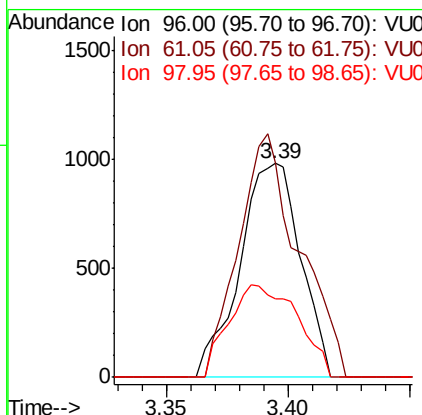
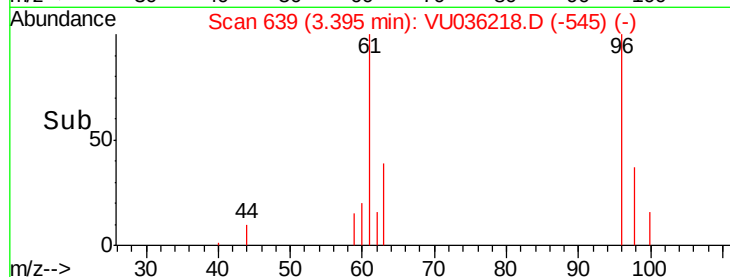
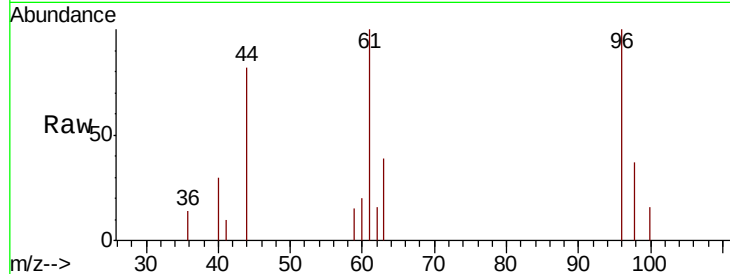




#18
 trans-1,2-Dichloroethene
 Concen: 0.100 ug/L
 RT: 3.39 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VU036218.D
 Acq: 14 Dec 2019 00:07

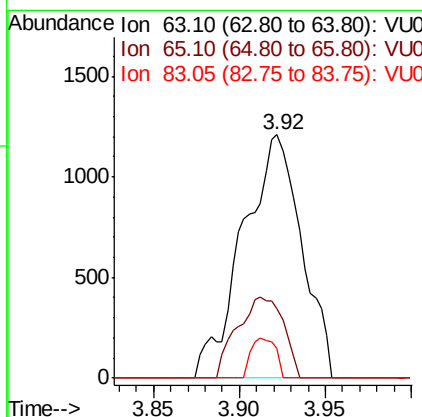
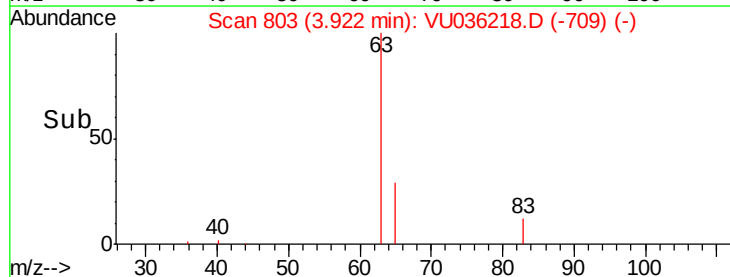
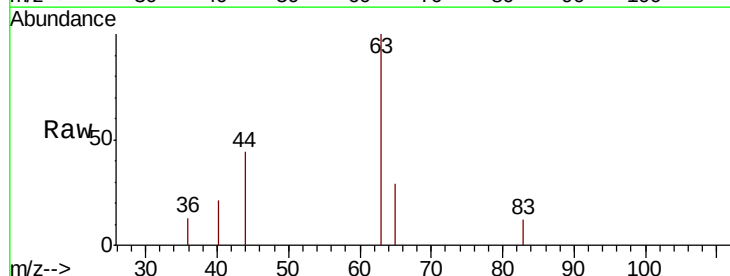
Instrument :
 MSVOA_U
 ClientSampleID :
 BFQS7

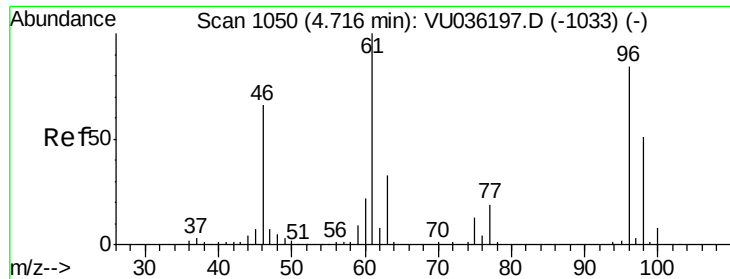
Tot Ion: 96 Resp: 1695
 Ion Ratio Lower Upper
 96 100
 61 100.3 94.8 176.2
 98 36.7 46.8 86.8#



#19
 1,1-Dichloroethane
 Concen: 0.092 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU036218.D
 Acq: 14 Dec 2019 00:07

Tgt Ion: 63 Resp: 2876
 Ion Ratio Lower Upper
 63 100
 65 28.6 22.6 42.0
 83 12.2 9.7 18.1





#22

cis-1,2-Dichloroethene

Concen: 0.108 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU036218.D

Acq: 14 Dec 2019 00:07

Instrument :

MSVOA_U

ClientSampleId :

BFQS7

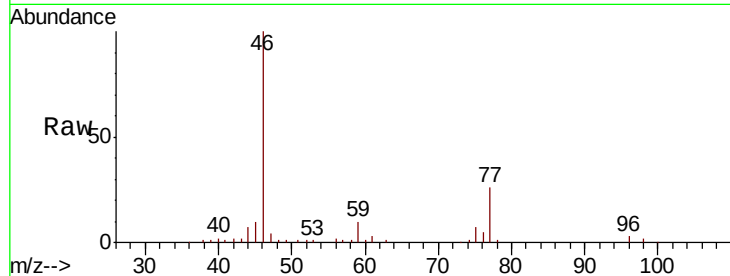
Tot Ion: 96 Resp: 1960

Ion Ratio Lower Upper

96 100

61 111.6 86.7 161.1

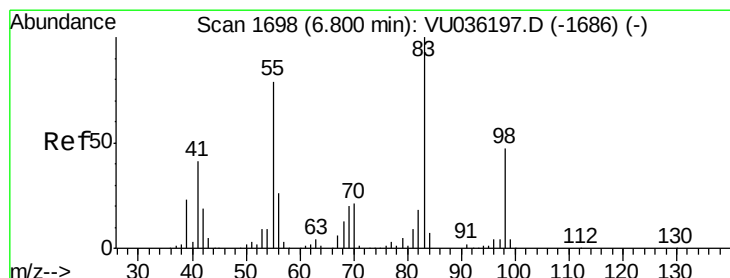
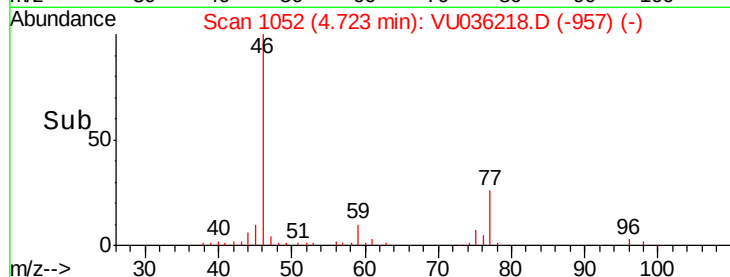
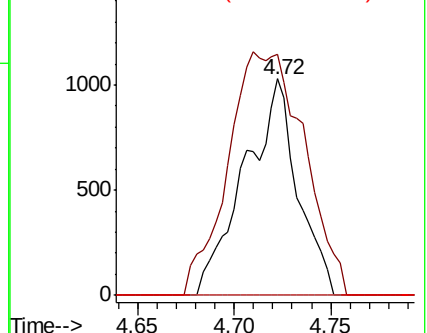
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036218.D (-1605) (-)

Ion 61.05 (60.75 to 61.75): VU036218.D (-1605) (-)

Ion 68.15 (67.85 to 68.85): VU036218.D (-1605) (-)



#35

Methylcyclohexane

Concen: 0.870 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036218.D

Acq: 14 Dec 2019 00:07

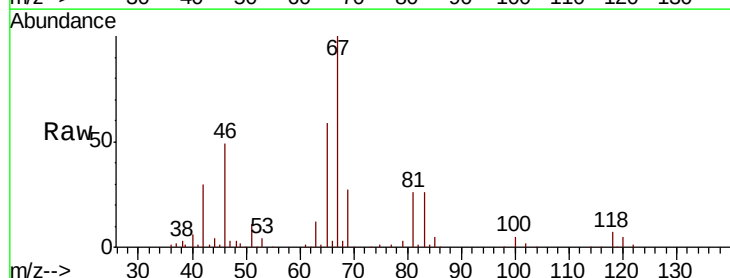
Tgt Ion: 83 Resp: 24429

Ion Ratio Lower Upper

83 100

55 0.3 62.6 94.0#

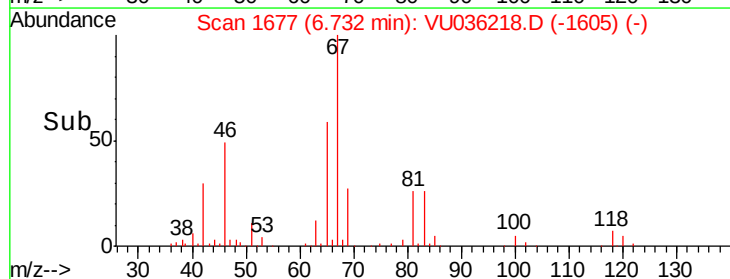
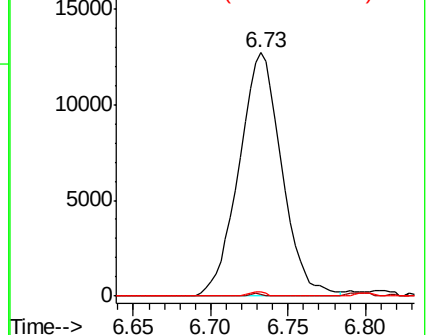
98 0.7 36.2 54.2#

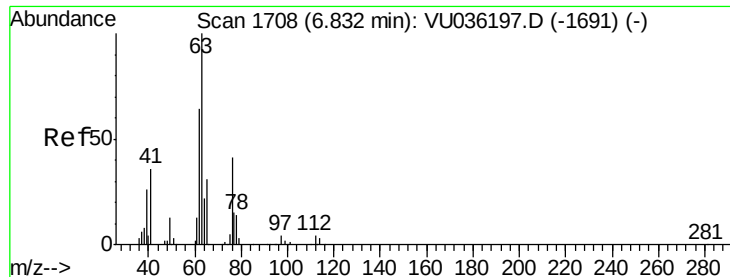


Abundance Ion 83.15 (82.85 to 83.85): VU036218.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU036218.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU036218.D (-1605) (-)





#37

1,2-Dichloropropane

Concen: 0.568 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU036218.D

Acq: 14 Dec 2019 00:07

Instrument :

MSVOA_U

ClientSampleId :

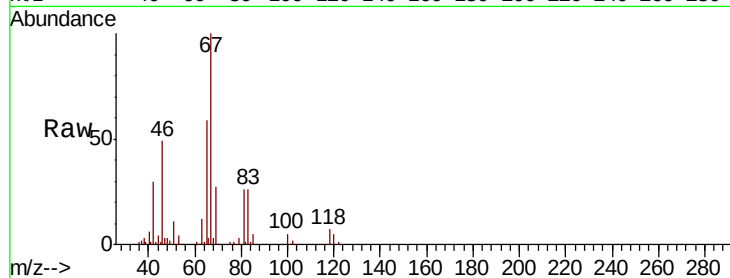
BFQS7

Tot Ion: 63 Resp: 11105

Ion Ratio Lower Upper

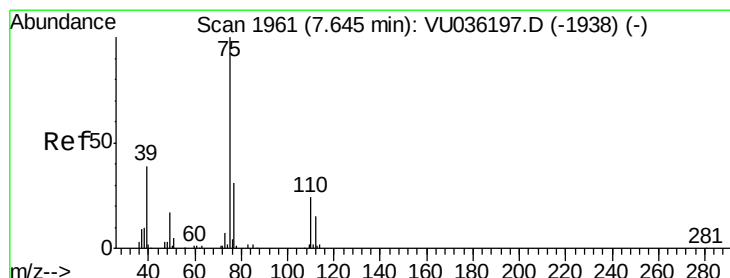
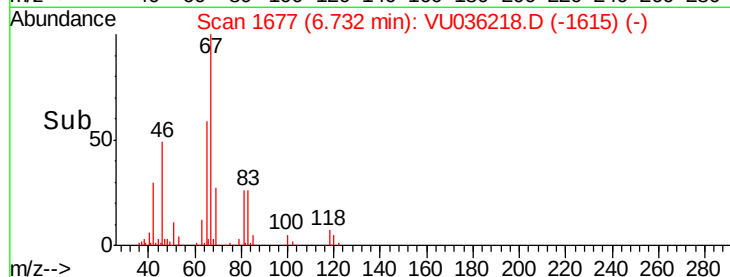
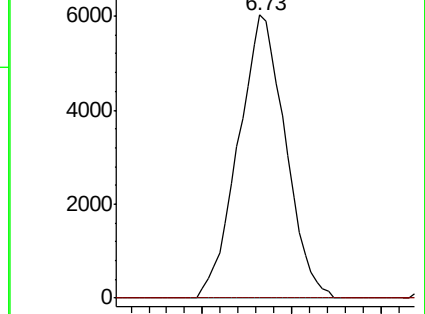
63 100

112 0.7 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU036218.D (-1677) (-)

Ion 112.10 (111.80 to 112.80): VU036218.D (-1677) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.098 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU036218.D

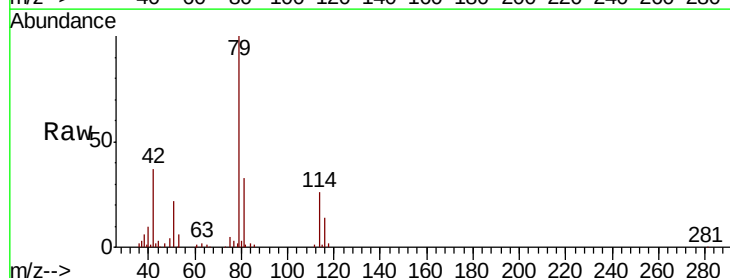
Acq: 14 Dec 2019 00:07

Tgt Ion: 75 Resp: 2598

Ion Ratio Lower Upper

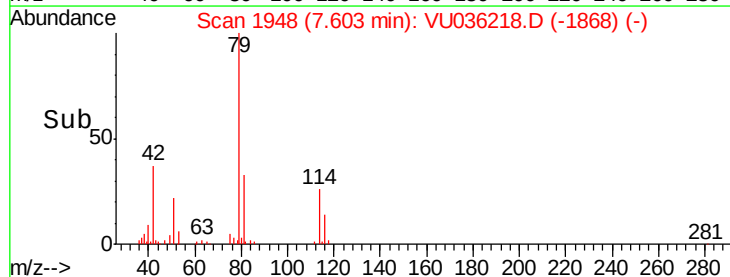
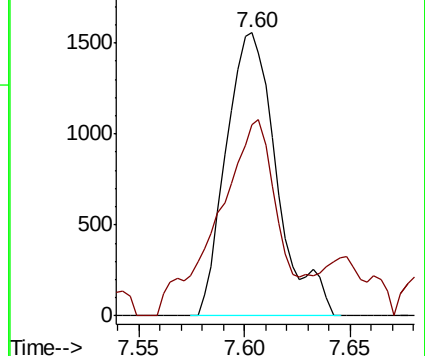
75 100

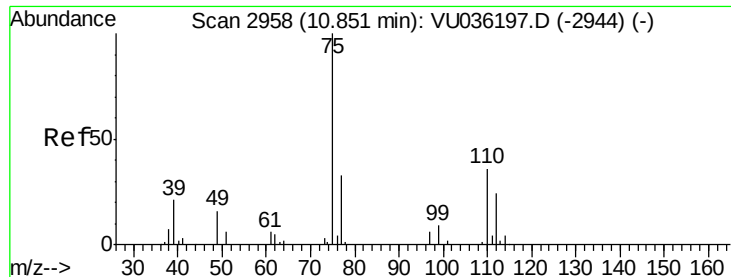
77 67.4 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU036218.D (-1868) (-)

Ion 77.05 (76.75 to 77.75): VU036218.D (-1868) (-)





#59

1,2,3-Trichloropropane

Concen: 0.781 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.98 min

Lab File: VU036218.D

Acq: 14 Dec 2019 00:07

Instrument :

MSVOA_U

ClientSampleId :

BFQS7

Tot Ion: 75 Resp: 10155

Ion Ratio Lower Upper

75 100

77 39.3 27.2 40.8

