

Data File : VU036002.D
Acq On : 05 Dec 2019 18:45
Operator : JC/SP
Sample : K6132-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFQR1

Quant Time: Dec 06 01:02:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 00:57:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	280173	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	298759	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	110752	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	123912	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.93	69	104984	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	2.59	63	142283	3.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.00%
20) 2-Butanone-d5	4.70	46	298046	52.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.40%
24) Chloroform-d	5.11	84	198336	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.75	65	109923	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.77	84	388115	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.73	67	127700	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.20%
41) Toluene-d8	7.93	98	314418	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	8.21	79	49574	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.68	63	237000	52.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.14%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	118351	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	116368	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

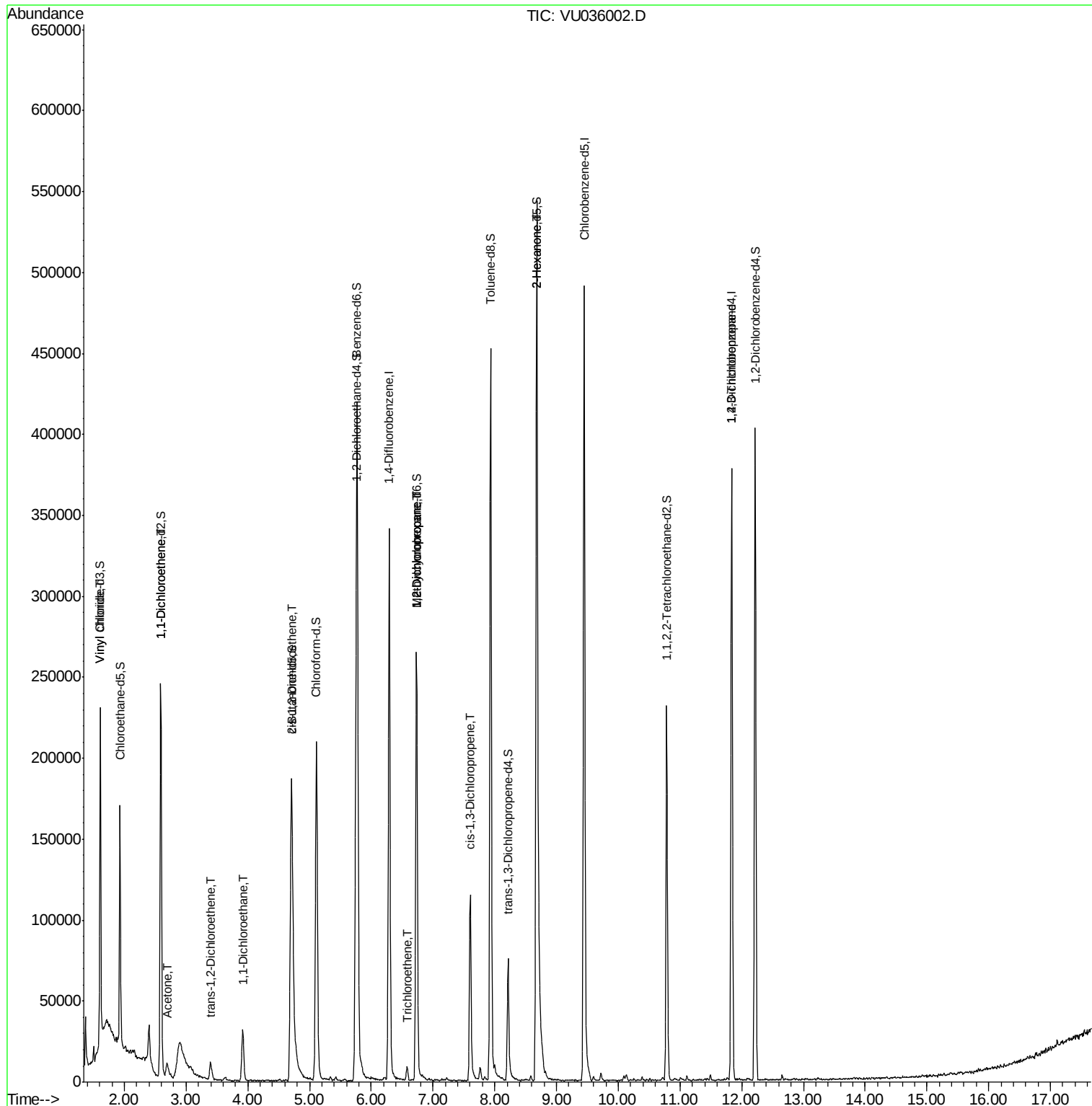
					Qvalue
5) Vinyl chloride	1.62	62	22305	0.666 ug/L #	8
12) 1,1-Dichloroethene	2.60	96	1533	0.076 ug/L #	1
13) Acetone	2.69	43	17622	3.446 ug/L	62
18) trans-1,2-Dichloroethene	3.39	96	3782	0.178 ug/L	91
19) 1,1-Dichloroethane	3.92	63	35284	0.849 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	30949	1.378 ug/L	94
34) Trichloroethene	6.58	95	2790	0.117 ug/L	89
35) Methylcyclohexane	6.74	83	29574	0.830 ug/L #	17
37) 1,2-Dichloropropane	6.73	63	13731	0.540 ug/L #	89
39) cis-1,3-Dichloropropene	7.60	75	3414	0.101 ug/L #	28
48) 2-Hexanone	8.68	43	29215	2.645 ug/L #	77
59) 1,2,3-Trichloropropane	11.83	75	12306	0.744 ug/L	91

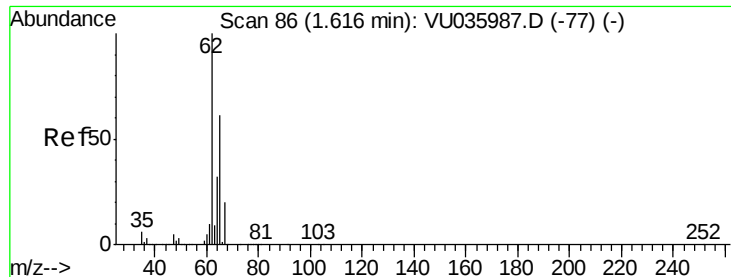
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.666 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036002.D

Acq: 05 Dec 2019 18:45

Instrument :

MSVOA_U

ClientSampleId :

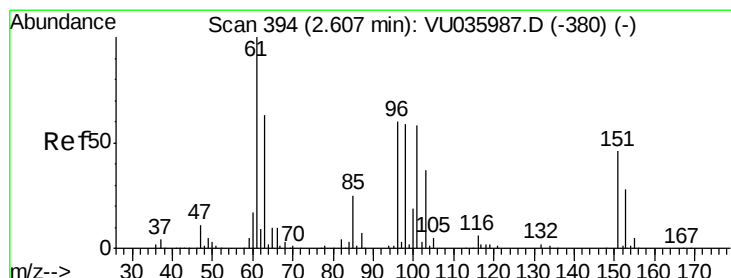
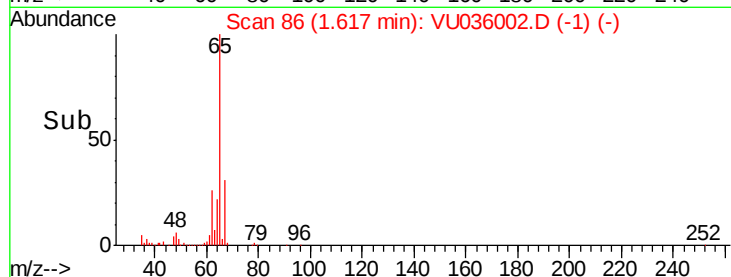
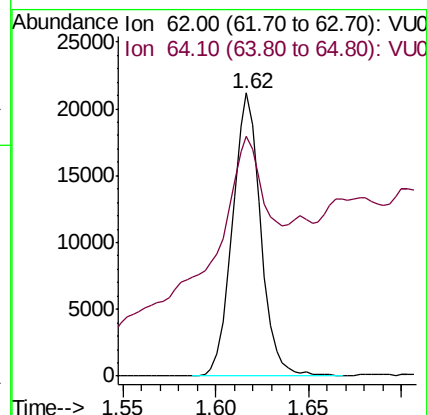
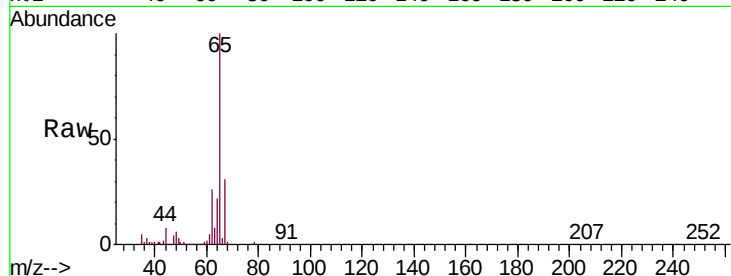
BFQR1

Tgt Ion: 62 Resp: 22305

Ion Ratio Lower Upper

62 100

64 84.5 23.0 42.6#



#12

1,1-Dichloroethene

Concen: 0.076 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU036002.D

Acq: 05 Dec 2019 18:45

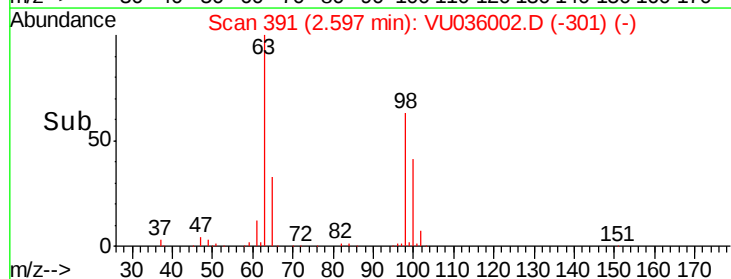
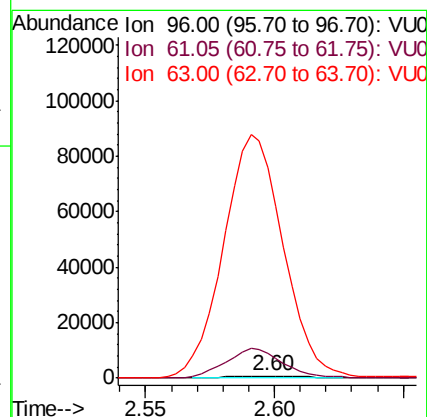
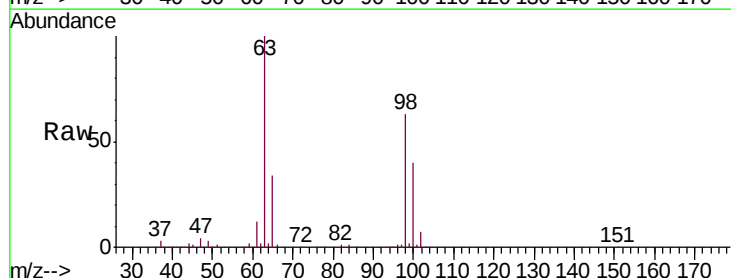
Tgt Ion: 96 Resp: 1533

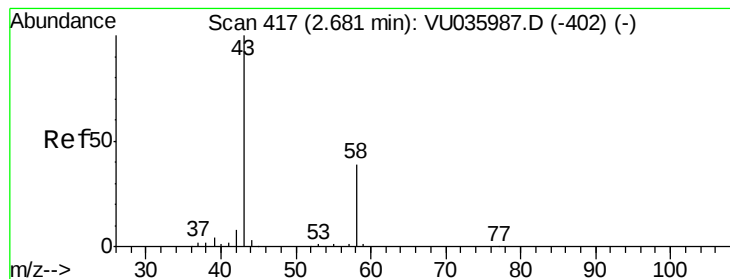
Ion Ratio Lower Upper

96 100

61 1056.5 127.1 236.1#

63 9018.1 86.0 159.8#





#13

Acetone

Concen: 3.446 ug/L

RT: 2.69 min Scan# 421

Delta R.T. 0.01 min

Lab File: VU036002.D

Acq: 05 Dec 2019 18:45

Instrument :

MSVOA_U

ClientSampleId :

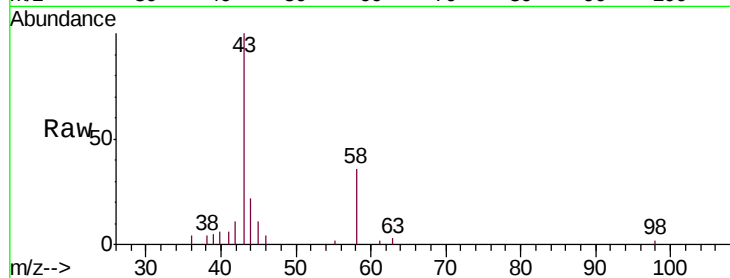
BFQR1

Tgt Ion: 43 Resp: 17622

Ion Ratio Lower Upper

43 100

58 12.7 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU036002.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU036002.D (-324) (-)

2.69

6000

5000

4000

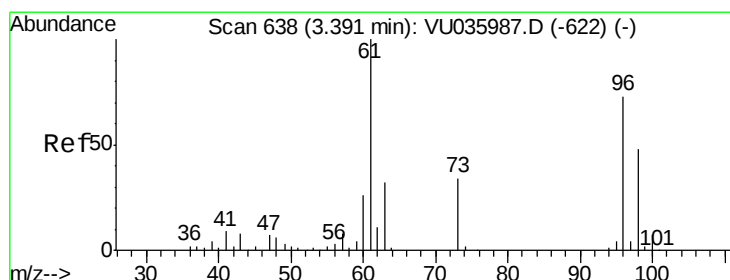
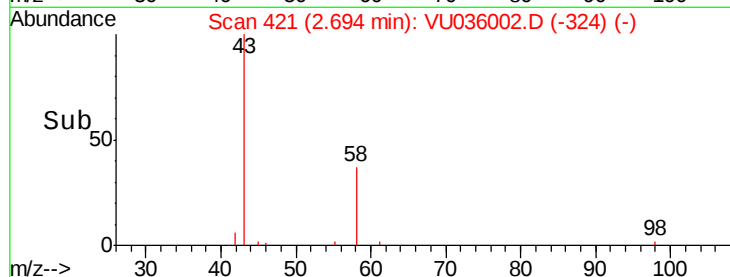
3000

2000

1000

0

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.178 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU036002.D

Acq: 05 Dec 2019 18:45

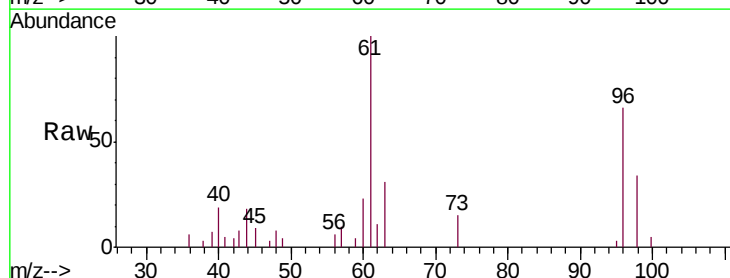
Tgt Ion: 96 Resp: 3782

Ion Ratio Lower Upper

96 100

61 152.5 101.2 187.8

98 52.1 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VU036002.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU036002.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU036002.D (-545) (-)

3.39

4000

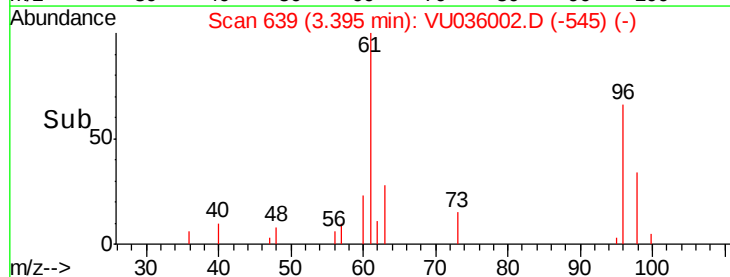
3000

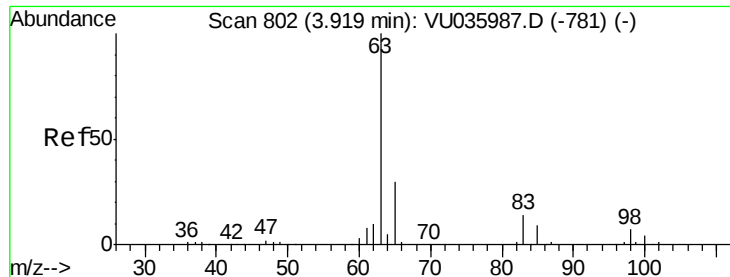
2000

1000

0

Time-->





#19

1,1-Dichloroethane

Concen: 0.849 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU036002.D

Acq: 05 Dec 2019 18:45

Instrument :

MSVOA_U

ClientSampleId :

BFQR1

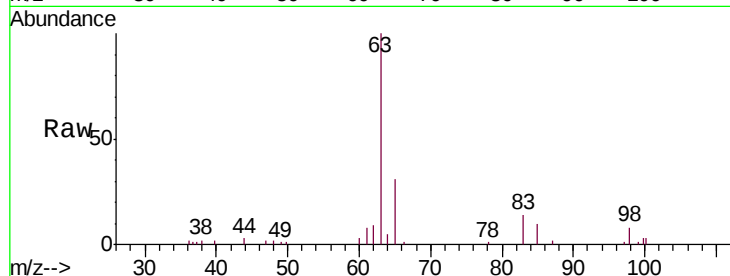
Tgt Ion: 63 Resp: 35284

Ion Ratio Lower Upper

63 100

65 31.1 22.4 41.6

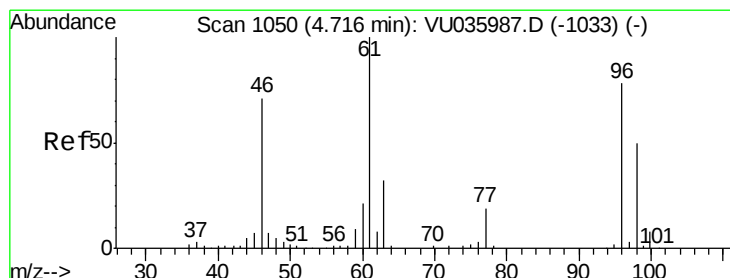
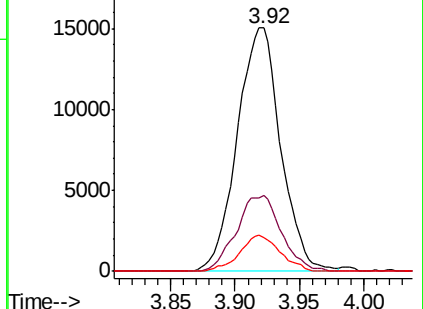
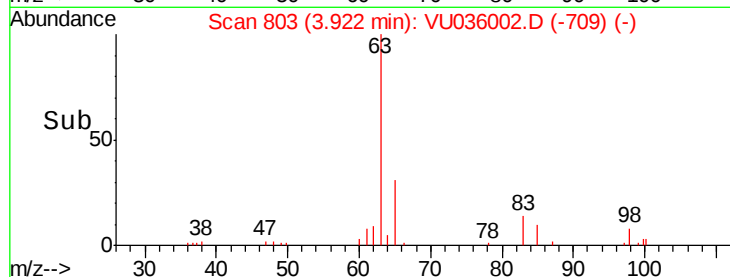
83 14.0 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VU036002.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU036002.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU036002.D (-709) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.378 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036002.D

Acq: 05 Dec 2019 18:45

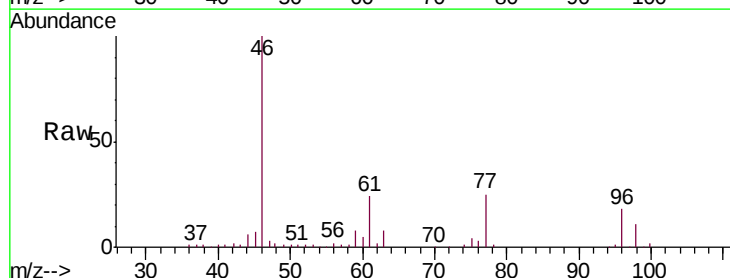
Tgt Ion: 96 Resp: 30949

Ion Ratio Lower Upper

96 100

61 128.9 95.7 177.7

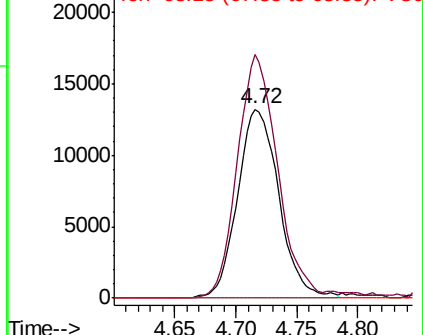
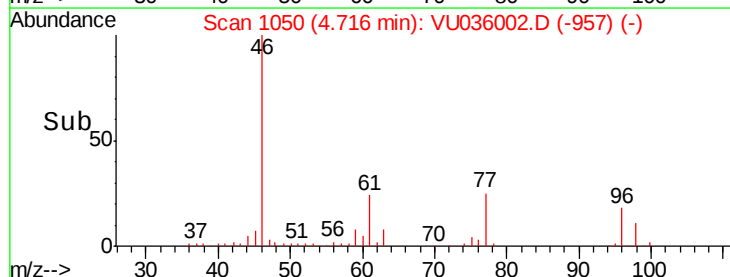
68 0.0 0.0 0.0

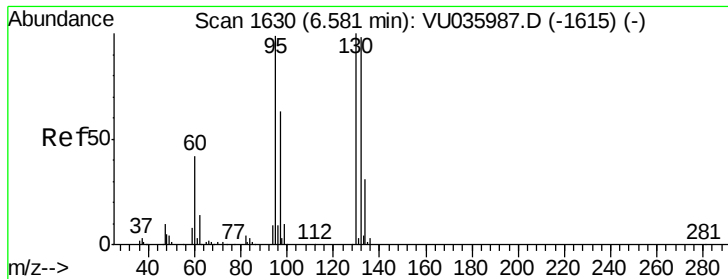


Abundance Ion 96.00 (95.70 to 96.70): VU036002.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036002.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036002.D (-957) (-)





#34

Trichloroethene

Concen: 0.117 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU036002.D

Acq: 05 Dec 2019 18:45

Instrument :

MSVOA_U

ClientSampleId :

BFQR1

Tgt Ion: 95 Resp: 2790

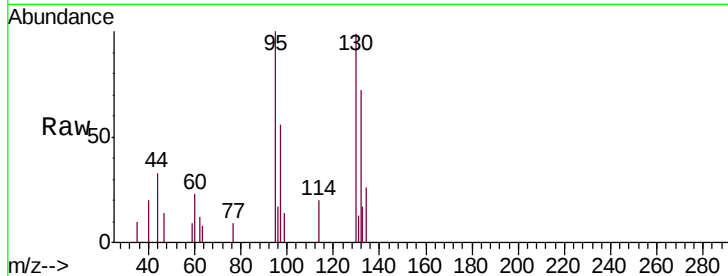
Ion Ratio Lower Upper

95 100

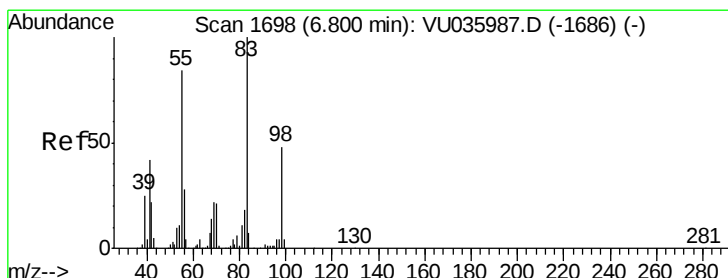
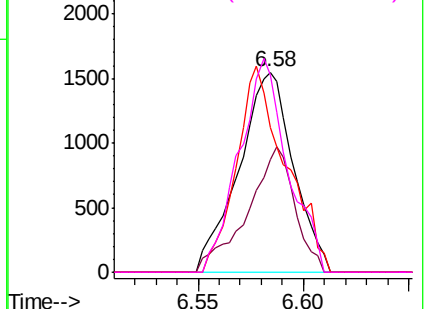
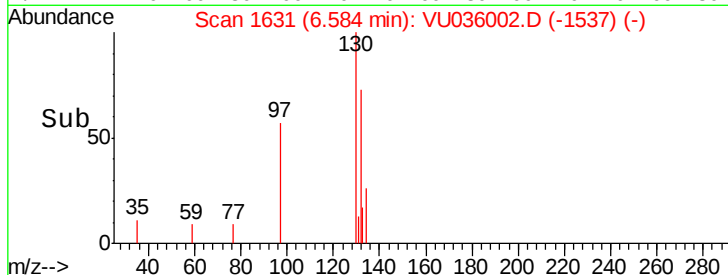
97 56.0 46.3 85.9

132 72.4 65.7 122.1

130 98.6 69.2 128.6



Abundance Ion 95.00 (94.70 to 95.70): VU036002.D (-1537) (-)



#35

Methylcyclohexane

Concen: 0.830 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU036002.D

Acq: 05 Dec 2019 18:45

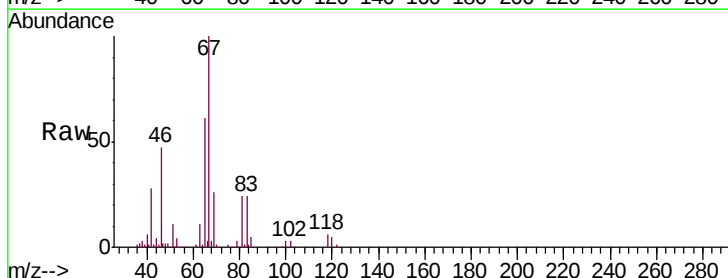
Tgt Ion: 83 Resp: 29574

Ion Ratio Lower Upper

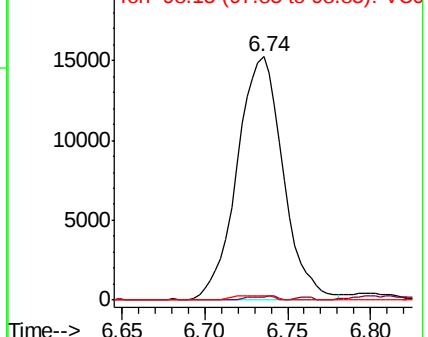
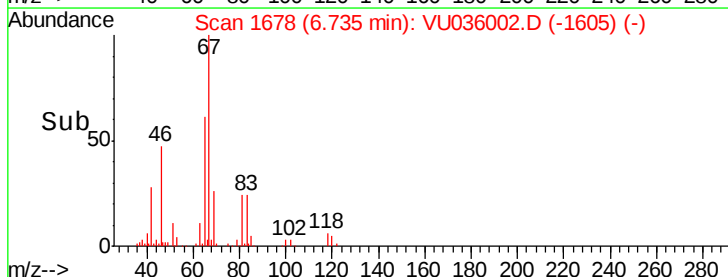
83 100

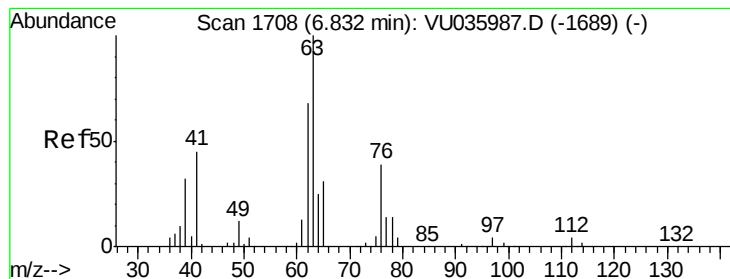
55 1.0 67.4 101.0#

98 1.5 34.6 52.0#



Abundance Ion 83.15 (82.85 to 83.85): VU036002.D (-1605) (-)





#37

1,2-Dichloropropane

Concen: 0.540 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU036002.D

Acq: 05 Dec 2019 18:45

Instrument :

MSVOA_U

ClientSampleId :

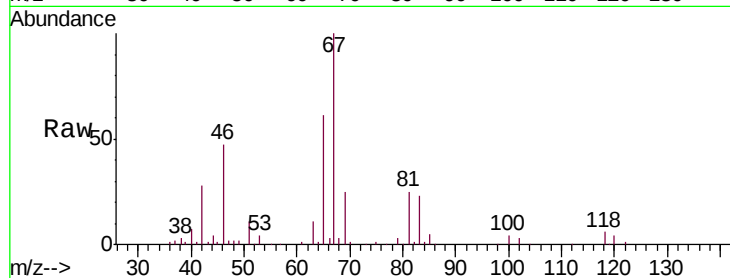
BFQR1

Tgt Ion: 63 Resp: 13731

Ion Ratio Lower Upper

63 100

112 0.4 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU035987.D (-1689) (-)

Ion 112.10 (111.80 to 112.80): VU035987.D (-1689) (-)

6.73

8000

6000

4000

2000

0

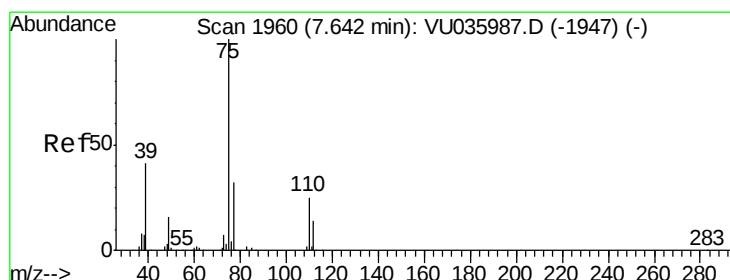
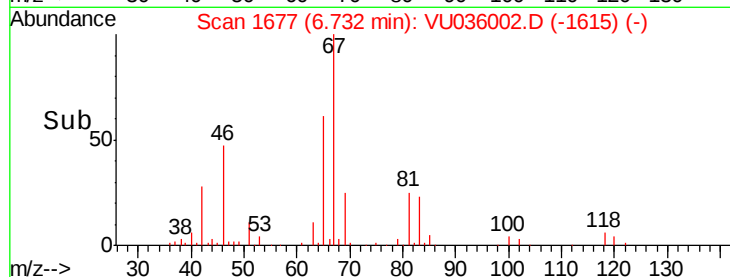
6.65

6.70

6.75

6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU036002.D

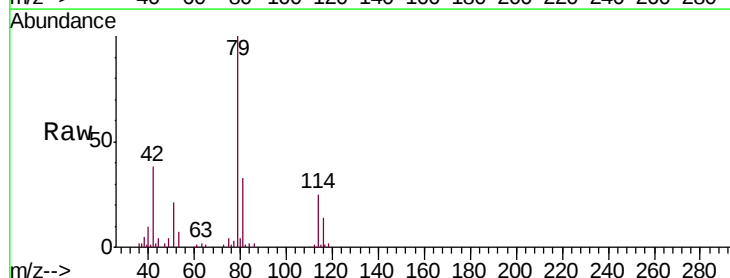
Acq: 05 Dec 2019 18:45

Tgt Ion: 75 Resp: 3414

Ion Ratio Lower Upper

75 100

77 70.9 21.9 40.7#



Abundance Ion 75.05 (74.75 to 75.75): VU035987.D (-1947) (-)

Ion 77.05 (76.75 to 77.75): VU035987.D (-1947) (-)

7.60

1500

1000

500

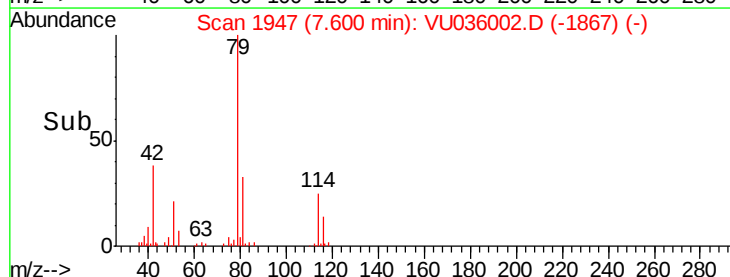
0

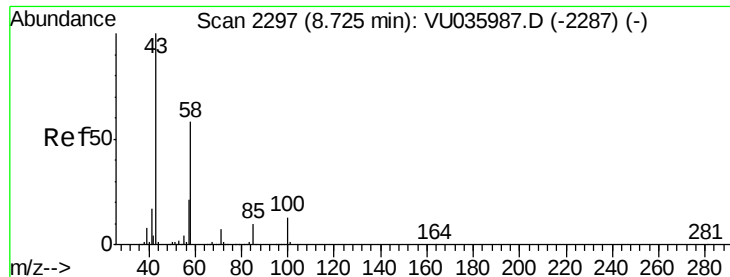
7.55

7.60

7.65

Time-->

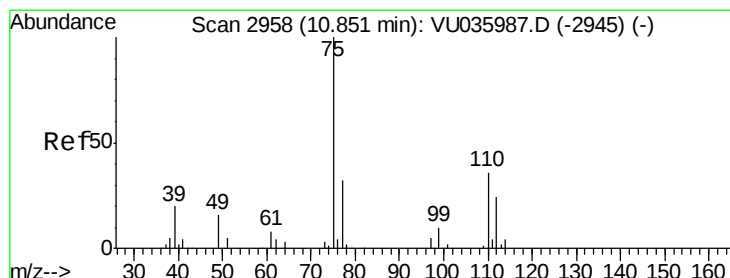
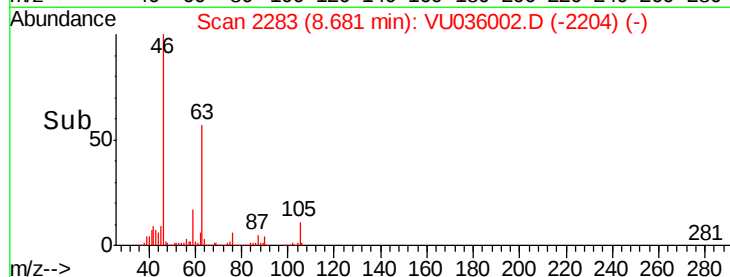
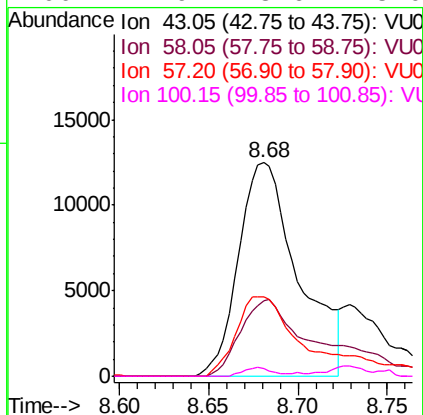
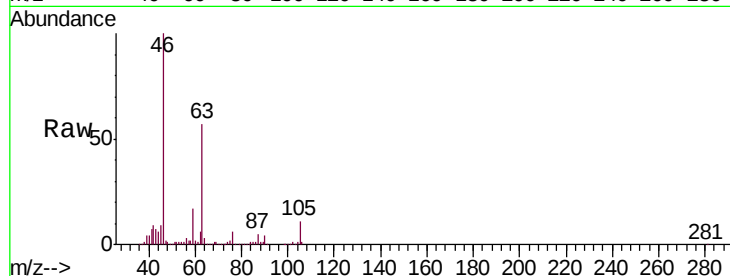




#48
 2-Hexanone
 Concen: 2.645 ug/L
 RT: 8.68 min Scan# 2283
 Delta R.T. -0.04 min
 Lab File: VU036002.D
 Acq: 05 Dec 2019 18:45

Instrument :
 MSVOA_U
 ClientSampleId :
 BFQR1

Tgt Ion:	43	Resp:	29215
Ion	Ratio	Lower	Upper
43	100		
58	48.9	45.4	68.2
57	46.3	14.9	22.3#
100	1.9	8.6	13.0#



#59
 1,2,3-Trichloropropane
 Concen: 0.744 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.98 min
 Lab File: VU036002.D
 Acq: 05 Dec 2019 18:45

Tgt Ion:	75	Resp:	12306
Ion	Ratio	Lower	Upper
75	100		
77	38.4	26.6	39.8

