

Data File : VU036006.D
Acq On : 05 Dec 2019 20:19
Operator : JC/SP
Sample : K6132-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFQR4

Quant Time: Dec 06 01:03:23 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	285671	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	314384	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	85623	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	109634	3.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.40%
7) Chloroethane-d5	1.93	69	102393	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	2.60	63	127677	2.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.60%#
20) 2-Butanone-d5	4.69	46	221745	38.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.90%
24) Chloroform-d	5.11	84	196867	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	5.75	65	102840	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	5.77	84	370980	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
36) 1,2-Dichloropropane-d6	6.73	67	122663	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.40%
41) Toluene-d8	7.93	98	302828	3.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.60%
43) trans-1,3-Dichloropropene-	8.21	79	45697	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	8.70	63	175282	36.60	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.20%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	105039	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	83301	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

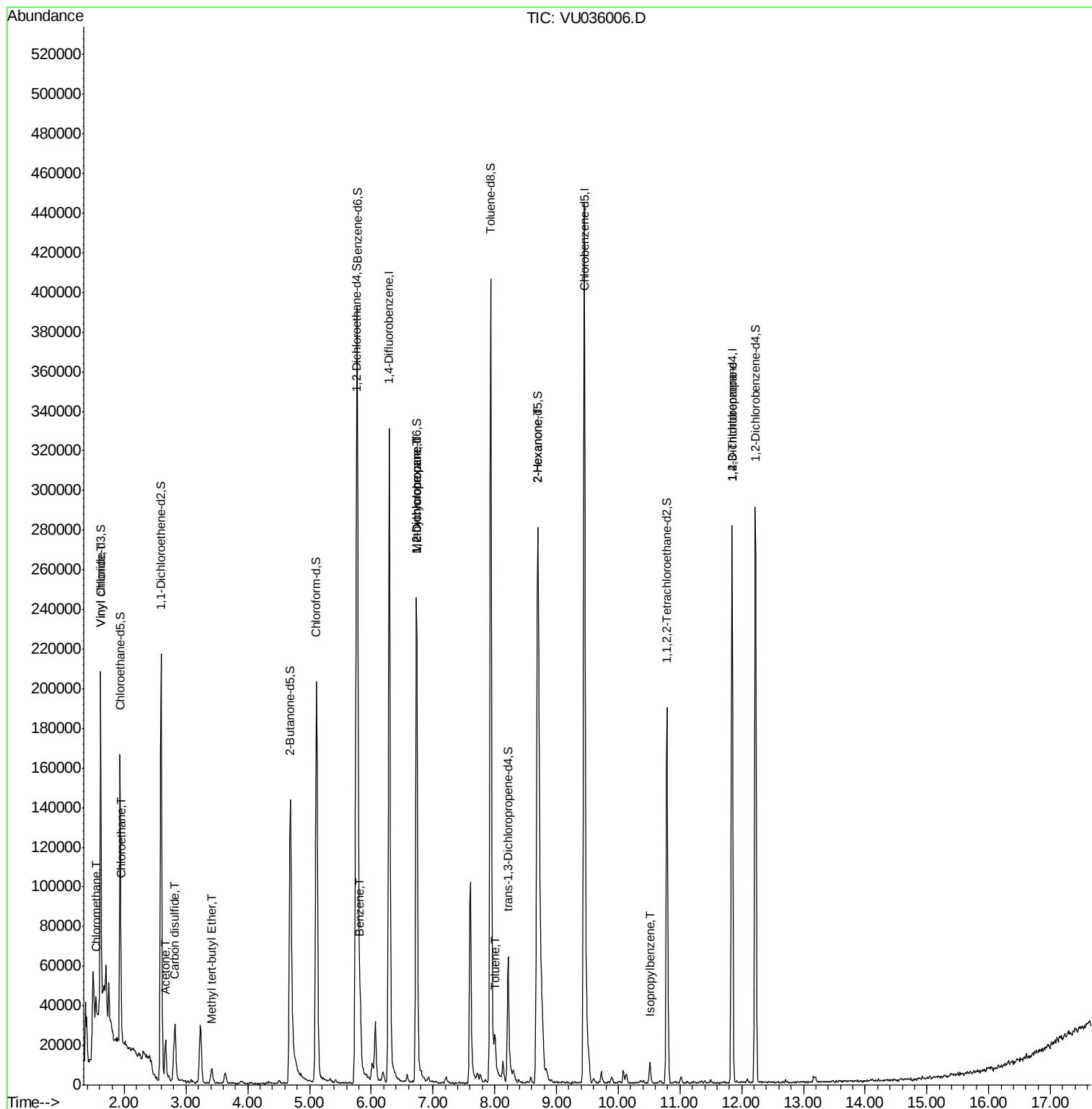
					Qvalue
3) Chloromethane	1.54	50	9024	0.267 ug/L	98
5) Vinyl chloride	1.62	62	3313	0.097 ug/L #	1
8) Chloroethane	1.95	64	1746	0.083 ug/L #	57
13) Acetone	2.66	43	21962	4.212 ug/L	96
14) Carbon disulfide	2.83	76	30969	0.432 ug/L #	93
17) Methyl tert-butyl Ether	3.42	73	7969	0.166 ug/L	98
33) Benzene	5.82	78	32995	0.334 ug/L	100
35) Methylcyclohexane	6.74	83	28695	0.765 ug/L #	16
37) 1,2-Dichloropropane	6.73	63	13267	0.496 ug/L #	89
42) Toluene	8.00	91	12517	0.121 ug/L	93
48) 2-Hexanone	8.70	43	20184	1.737 ug/L #	79
56) Isopropylbenzene	10.51	105	8472	0.087 ug/L	96
59) 1,2,3-Trichloropropane	11.84	75	9434	0.542 ug/L #	86

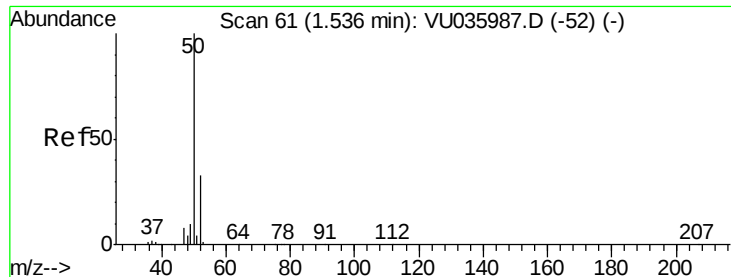
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.267 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036006.D

Acq: 05 Dec 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

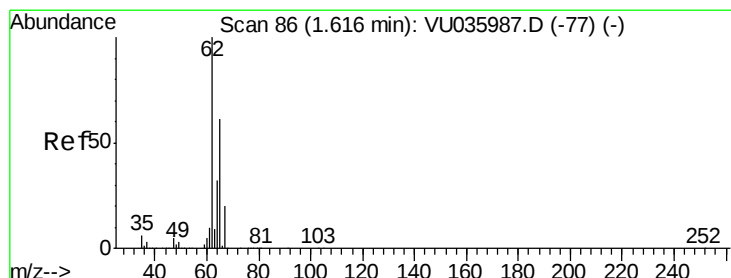
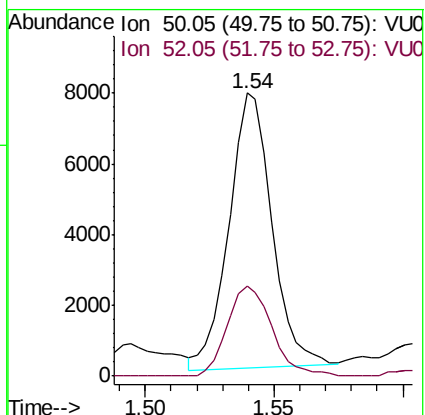
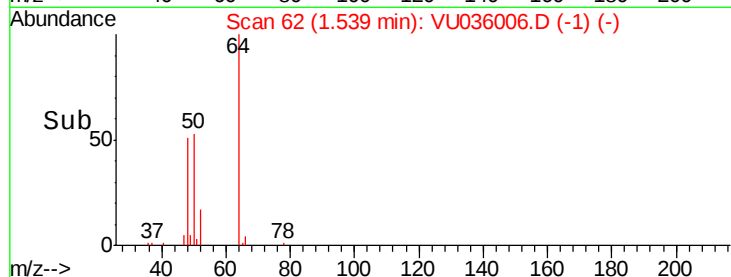
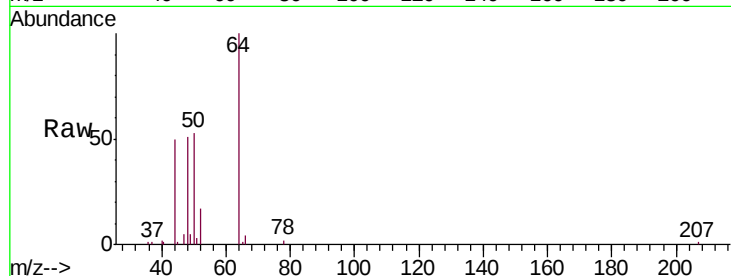
BFQR4

Tgt Ion: 50 Resp: 9024

Ion Ratio Lower Upper

50 100

52 31.7 23.1 42.9



#5

Vinyl chloride

Concen: 0.097 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036006.D

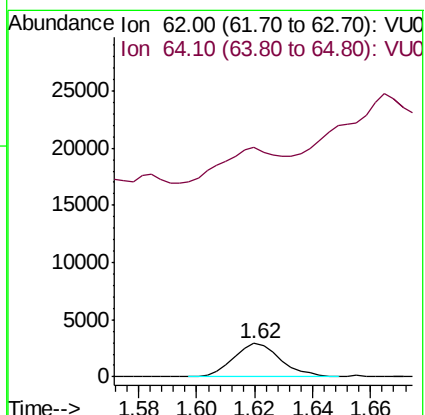
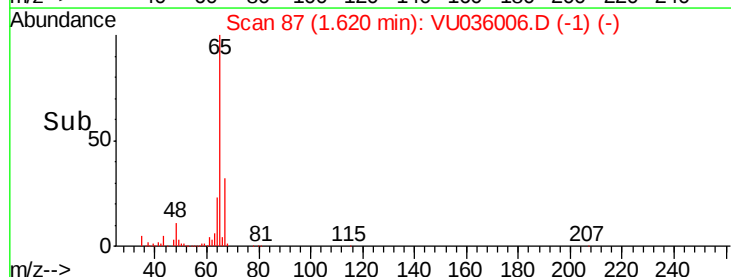
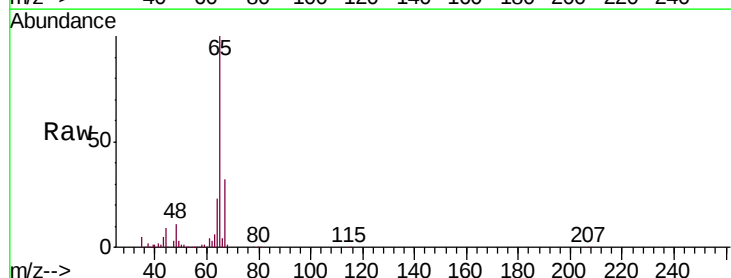
Acq: 05 Dec 2019 20:19

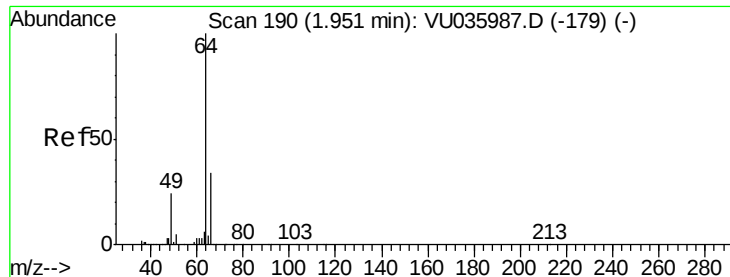
Tgt Ion: 62 Resp: 3313

Ion Ratio Lower Upper

62 100

64 686.8 23.0 42.6#





#8

Chloroethane

Concen: 0.083 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU036006.D

Acq: 05 Dec 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

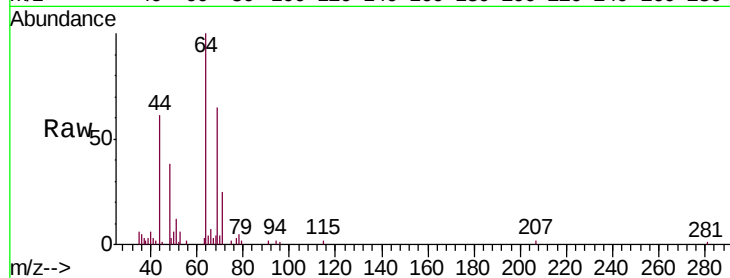
BFQR4

Tgt Ion: 64 Resp: 1746

Ion Ratio Lower Upper

64 100

66 7.4 22.0 40.8#



Abundance Ion 64.10 (63.80 to 64.80): VU035987.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU035987.D (-179) (-)

1.95

8000

6000

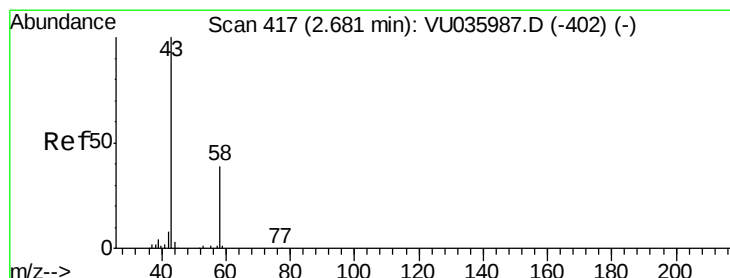
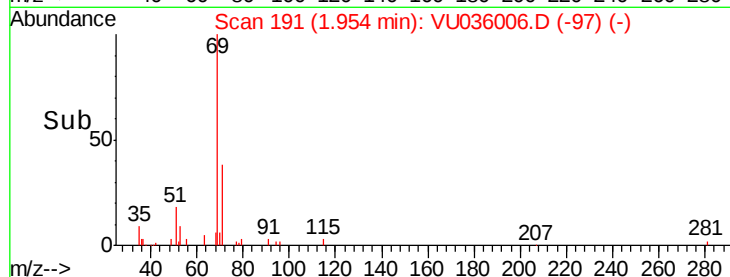
4000

2000

0

1.94 1.96 1.98

Time-->



#13

Acetone

Concen: 4.212 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.02 min

Lab File: VU036006.D

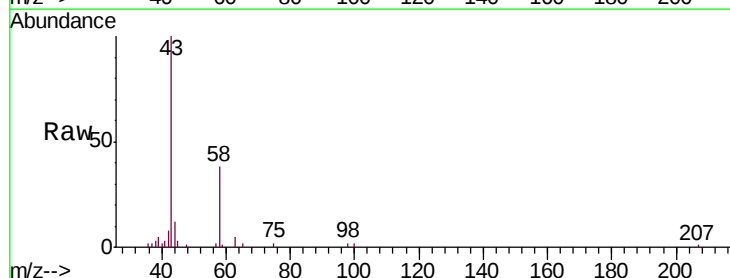
Acq: 05 Dec 2019 20:19

Tgt Ion: 43 Resp: 21962

Ion Ratio Lower Upper

43 100

58 36.8 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU035987.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035987.D (-402) (-)

2.66

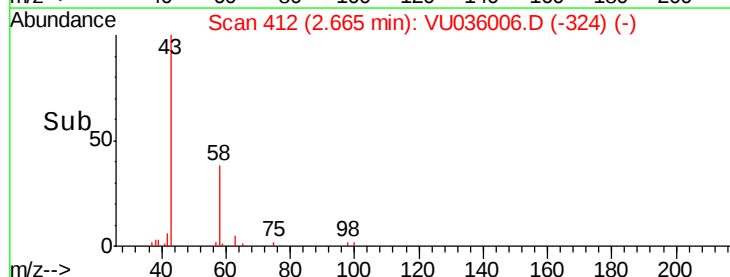
10000

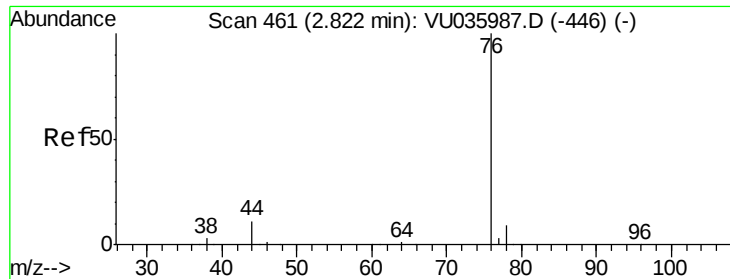
5000

0

2.60 2.65 2.70 2.75

Time-->





#14

Carbon disulfide

Concen: 0.432 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU036006.D

Acq: 05 Dec 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

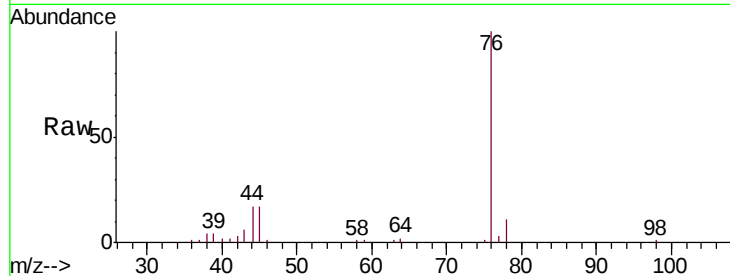
BFQR4

Tgt Ion: 76 Resp: 30969

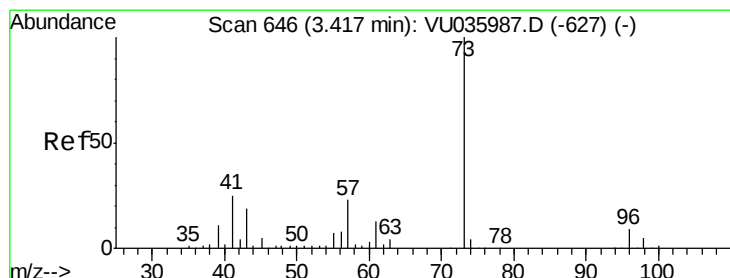
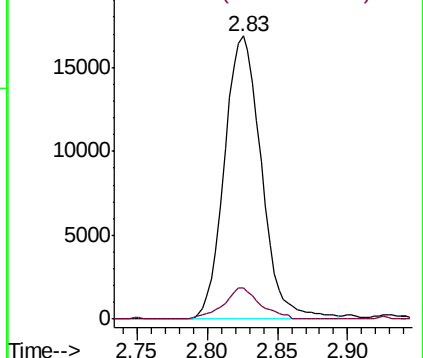
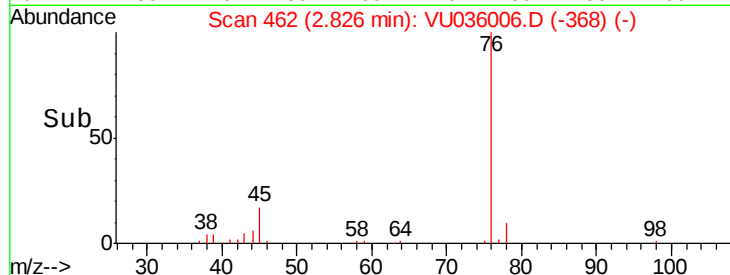
Ion Ratio Lower Upper

76 100

78 10.9 6.9 10.3#



Abundance Ion 76.05 (75.75 to 76.75): VU036006.D (-368) (-)



#17

Methyl tert-butyl Ether

Concen: 0.166 ug/L

RT: 3.42 min Scan# 647

Delta R.T. 0.00 min

Lab File: VU036006.D

Acq: 05 Dec 2019 20:19

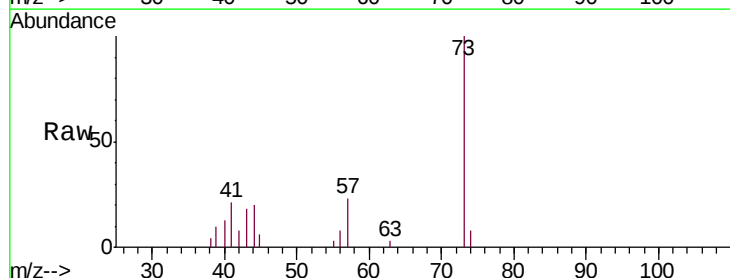
Tgt Ion: 73 Resp: 7969

Ion Ratio Lower Upper

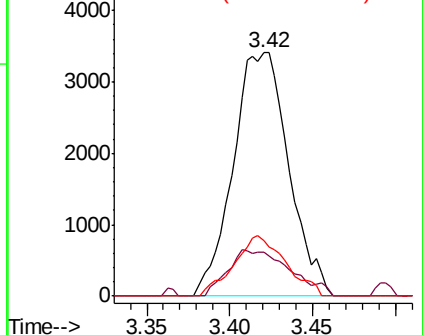
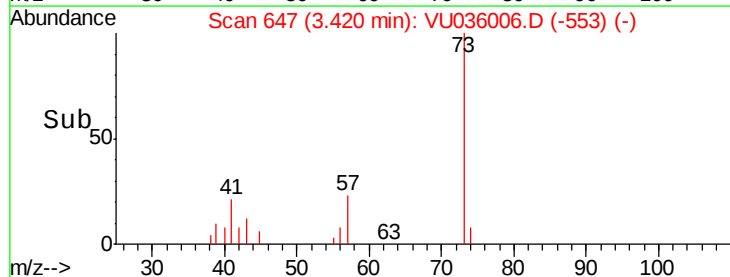
73 100

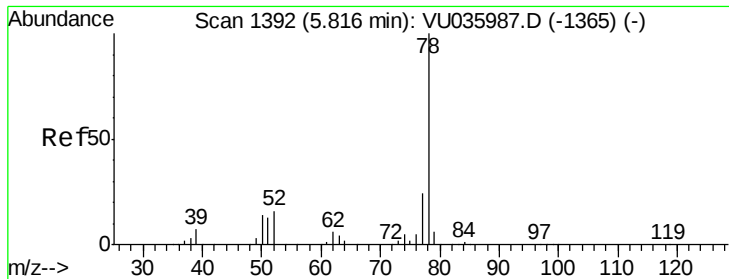
43 21.2 15.9 23.9

57 23.2 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VU036006.D (-553) (-)

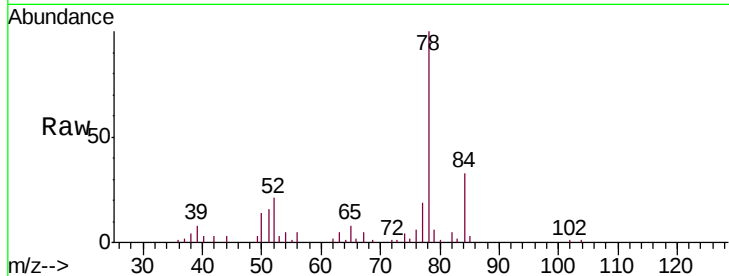




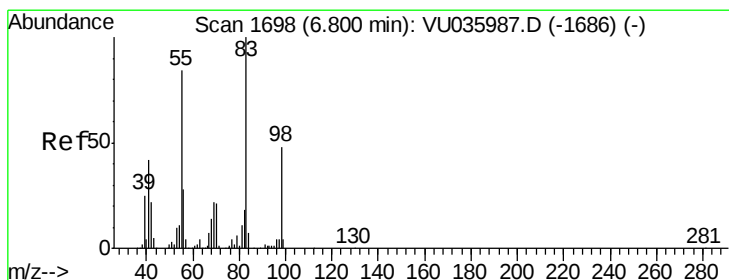
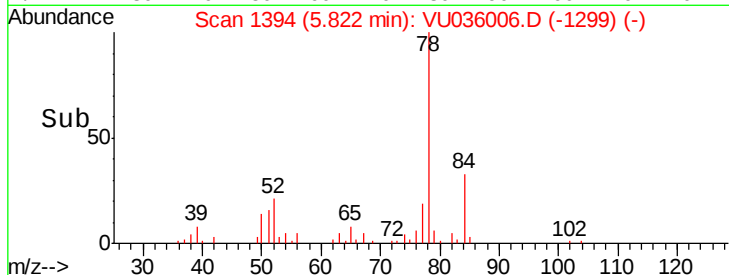
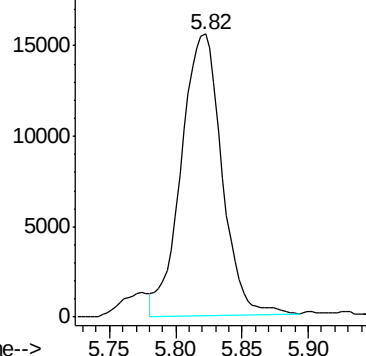
#33
Benzene
Concen: 0.334 ug/L
RT: 5.82 min Scan# 1394
Delta R.T. 0.01 min
Lab File: VU036006.D
Acq: 05 Dec 2019 20:19

Instrument :
MSVOA_U
ClientSampled :
BFQR4

Tgt Ion: 78 Resp: 32995

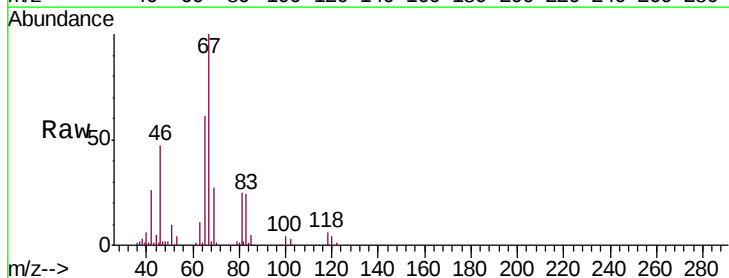


Abundance Ion 78.10 (77.80 to 78.80): VU0



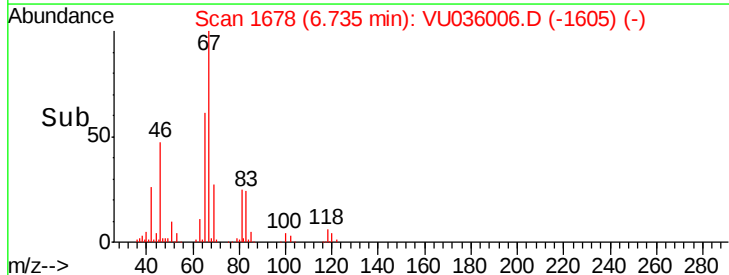
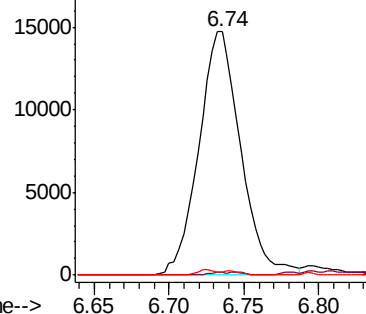
#35
Methylcyclohexane
Concen: 0.765 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU036006.D
Acq: 05 Dec 2019 20:19

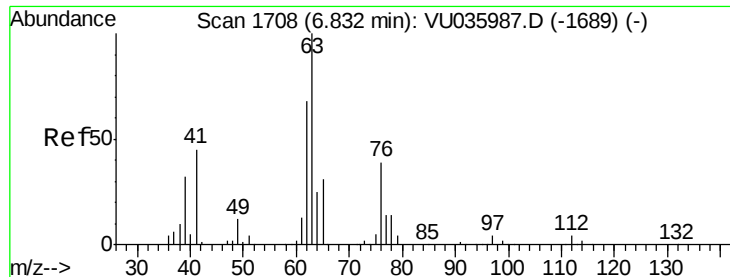
Tgt Ion: 83 Resp: 28695
Ion Ratio Lower Upper
83 100
55 0.5 67.4 101.0#
98 0.6 34.6 52.0#



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

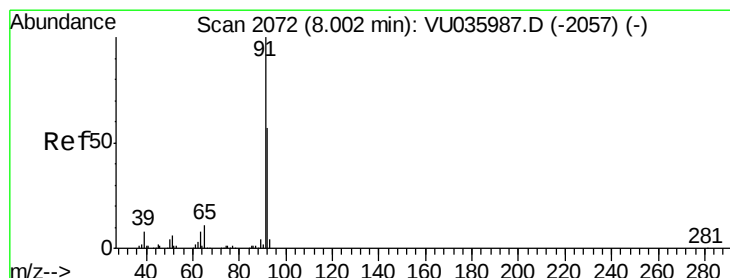
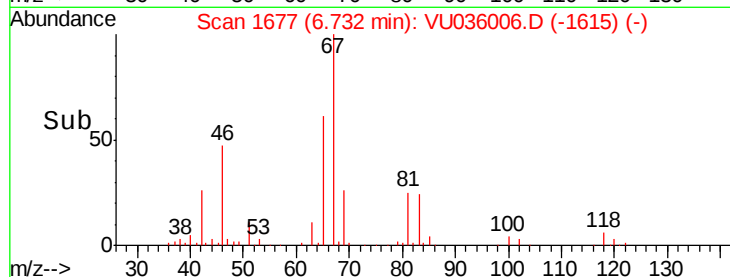
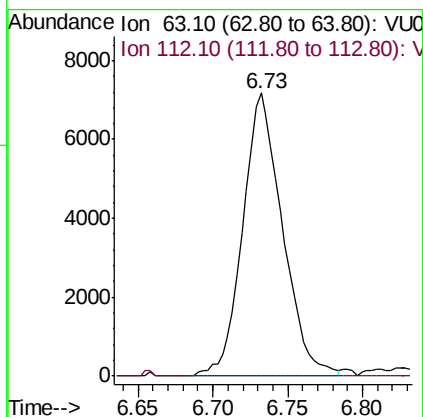
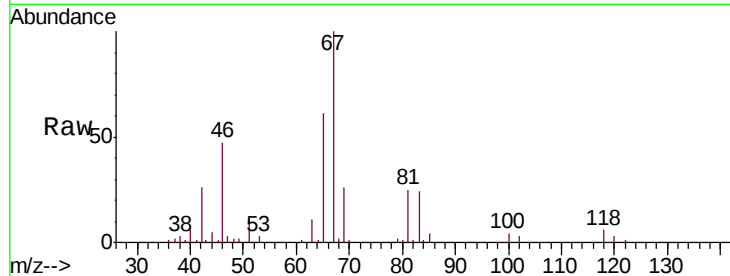




#37
 1,2-Dichloropropane
 Concen: 0.496 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU036006.D
 Acq: 05 Dec 2019 20:19

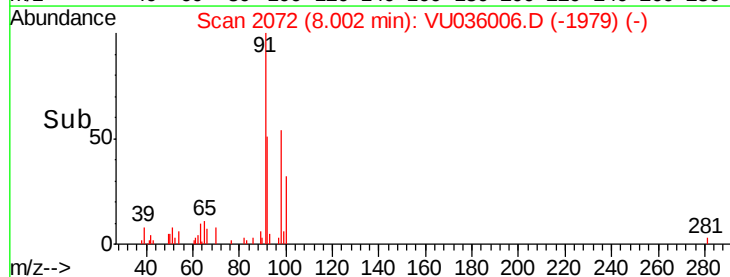
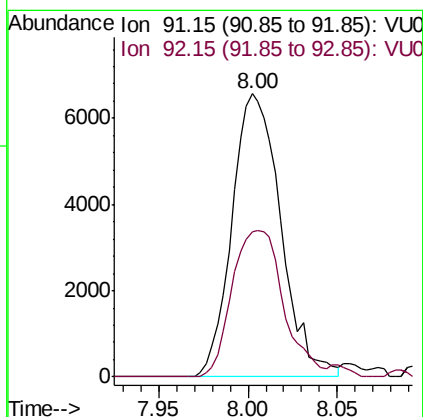
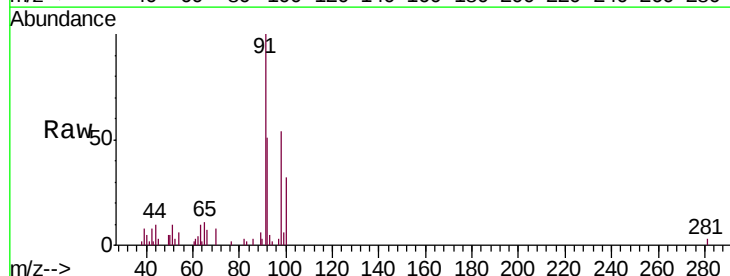
Instrument :
 MSVOA_U
 ClientSampleId :
 BFQR4

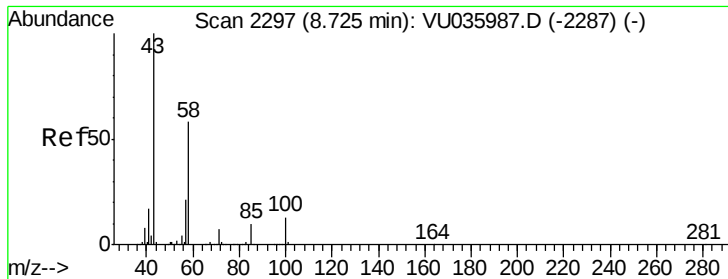
Tgt Ion: 63 Resp: 13267
 Ion Ratio Lower Upper
 63 100
 112 0.4 3.3 4.9#



#42
 Toluene
 Concen: 0.121 ug/L
 RT: 8.00 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VU036006.D
 Acq: 05 Dec 2019 20:19

Tgt Ion: 91 Resp: 12517
 Ion Ratio Lower Upper
 91 100
 92 51.5 39.8 74.0





#48

2-Hexanone

Concen: 1.737 ug/L

RT: 8.70 min Scan# 2288

Delta R.T. -0.03 min

Lab File: VU036006.D

Acq: 05 Dec 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

BFQR4

Tgt Ion: 43 Resp: 20184

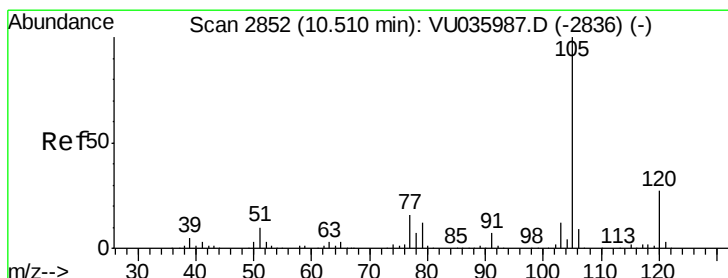
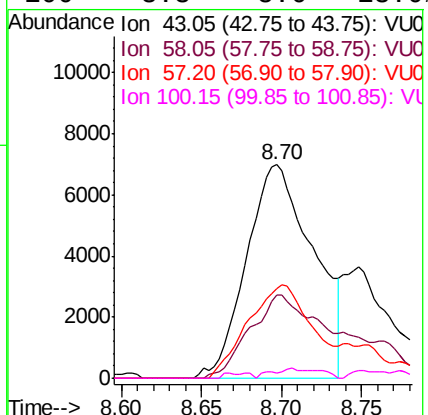
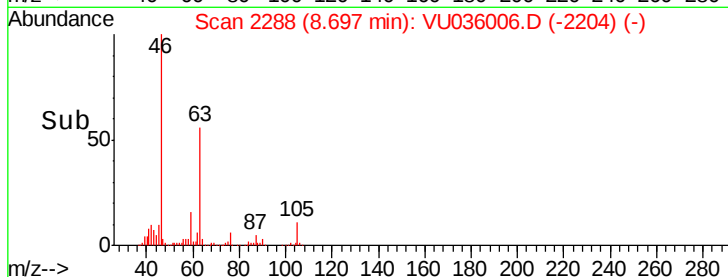
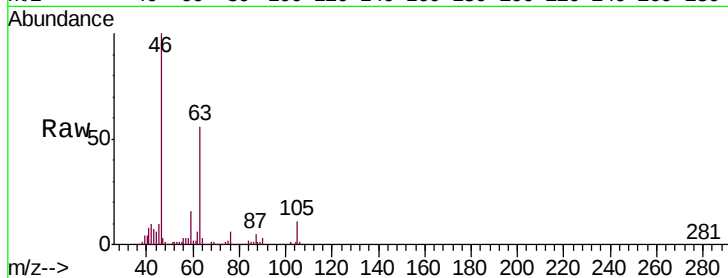
Ion Ratio Lower Upper

43 100

58 48.6 45.4 68.2

57 41.1 14.9 22.3#

100 3.3 8.6 13.0#



#56

Isopropylbenzene

Concen: 0.087 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036006.D

Acq: 05 Dec 2019 20:19

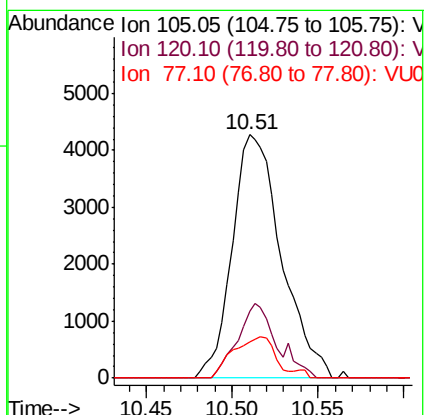
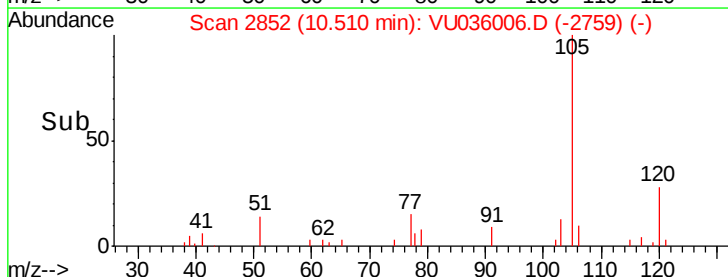
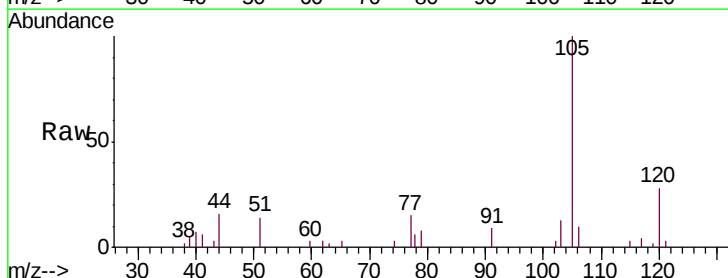
Tgt Ion: 105 Resp: 8472

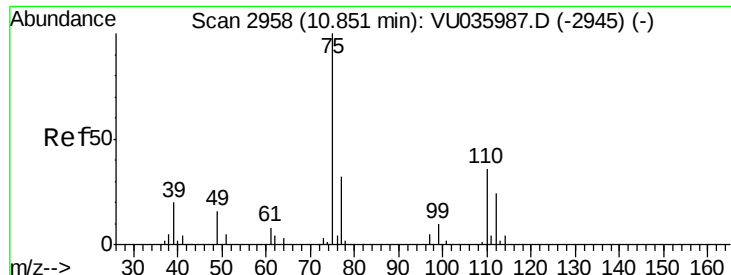
Ion Ratio Lower Upper

105 100

120 24.7 21.3 31.9

77 14.2 13.1 19.7





#59

1,2,3-Trichloropropane

Concen: 0.542 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU036006.D

Acq: 05 Dec 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

BFQR4

Tgt Ion: 75 Resp: 9434

Ion Ratio Lower Upper

75 100

77 41.1 26.6 39.8#

