

Data File : VU036007.D
Acq On : 05 Dec 2019 20:44
Operator : JC/SP
Sample : K6132-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFQR5

Quant Time: Dec 06 01:03:34 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	279194	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	296563	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	113319	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	124014	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	1.93	69	109869	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.59	63	146527	3.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	4.70	46	255826	45.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.78%
24) Chloroform-d	5.11	84	210060	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.75	65	110178	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.77	84	402819	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.73	67	129599	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.93	98	325263	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	8.21	79	47389	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.68	63	207278	45.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.76%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	111102	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	120564	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

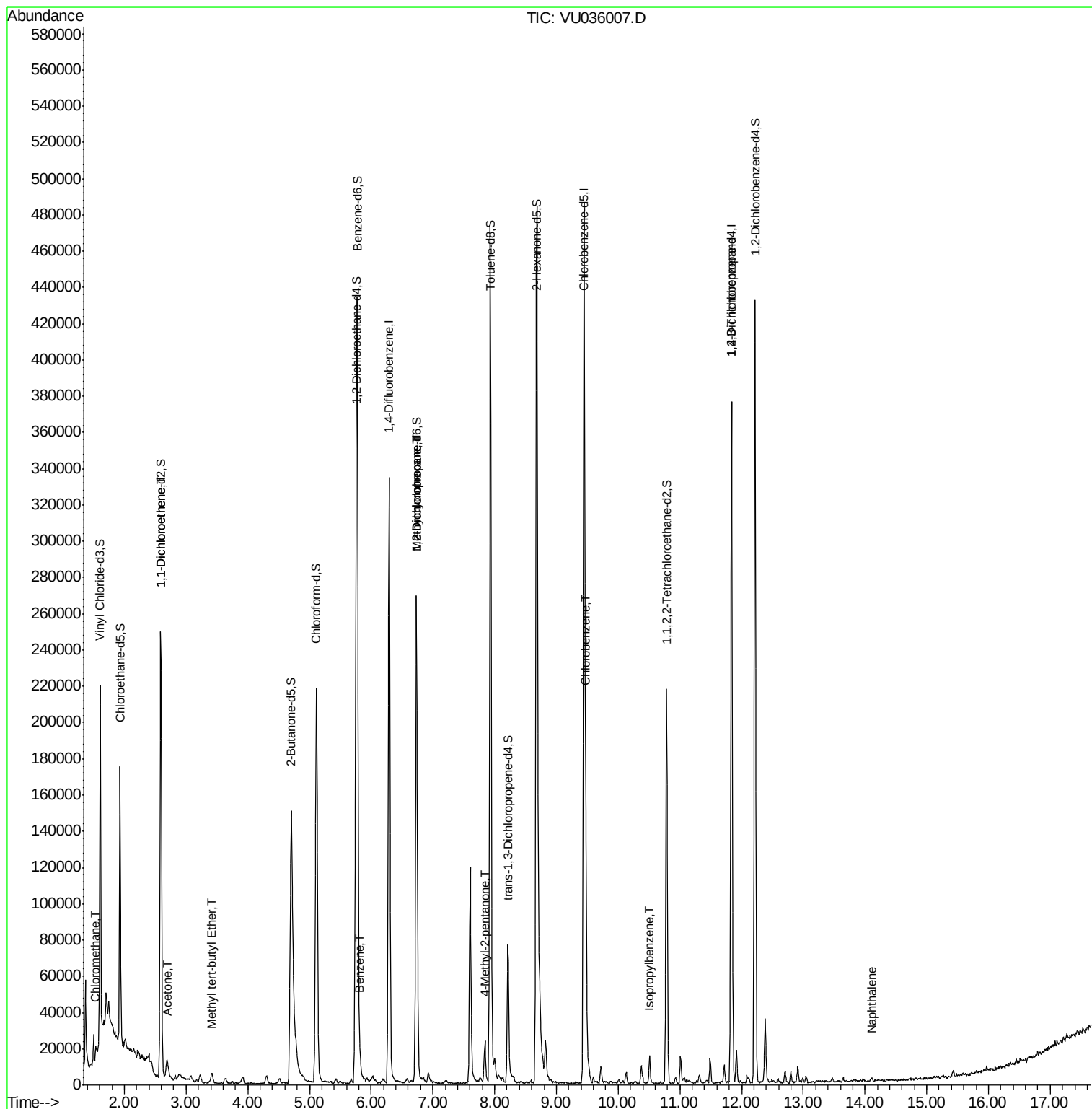
					Qvalue
3) Chloromethane	1.54	50	5819	0.176 ug/L	89
12) 1,1-Dichloroethene	2.59	96	1306	0.065 ug/L #	1
13) Acetone	2.69	43	20695	4.062 ug/L	86
17) Methyl tert-butyl Ether	3.42	73	5967	0.127 ug/L #	92
33) Benzene	5.82	78	7796	0.084 ug/L	100
35) Methylcyclohexane	6.73	83	30032	0.849 ug/L #	17
37) 1,2-Dichloropropane	6.73	63	13384	0.530 ug/L #	88
40) 4-Methyl-2-pentanone	7.84	43	14604	0.984 ug/L #	88
51) Chlorobenzene	9.48	112	67774	1.114 ug/L	97
56) Isopropylbenzene	10.51	105	9541	0.104 ug/L	93
59) 1,2,3-Trichloropropane	11.84	75	12604	0.768 ug/L	89
69) Naphthalene	14.11	128	1746	0.111 ug/L #	79

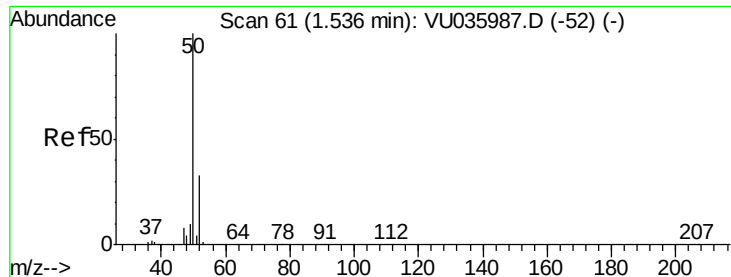
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.176 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036007.D

Acq: 05 Dec 2019 20:44

Instrument :

MSVOA_U

ClientSampleId :

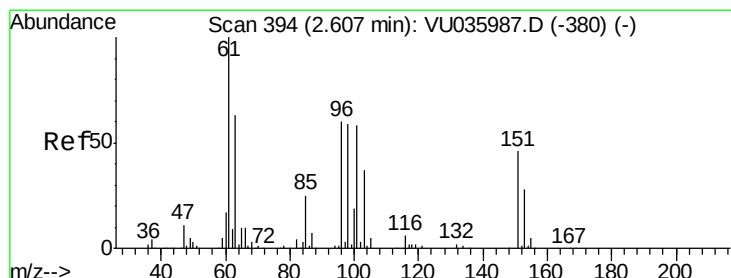
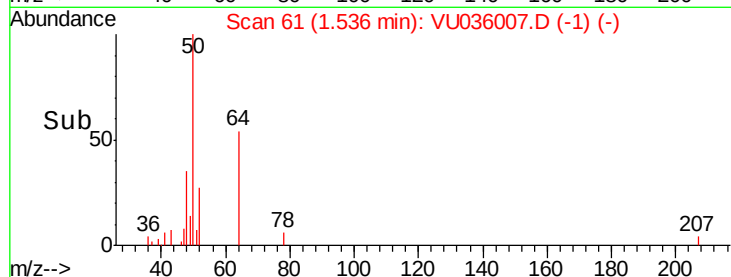
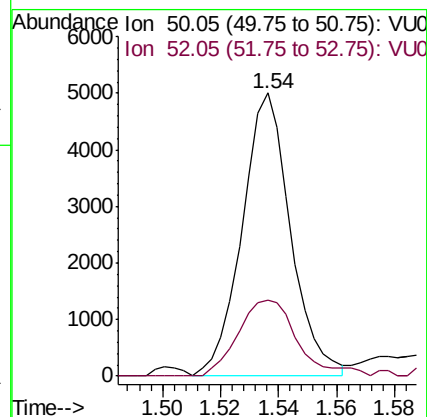
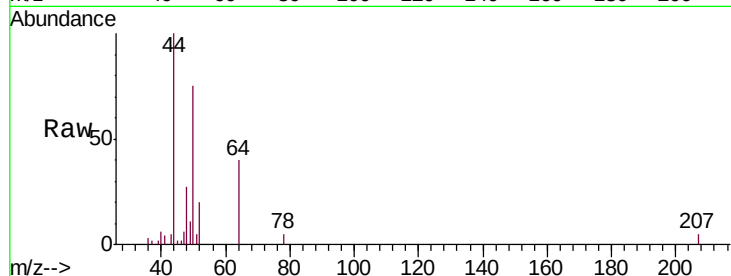
BFQR5

Tgt Ion: 50 Resp: 5819

Ion Ratio Lower Upper

50 100

52 26.8 23.1 42.9



#12

1,1-Dichloroethene

Concen: 0.065 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU036007.D

Acq: 05 Dec 2019 20:44

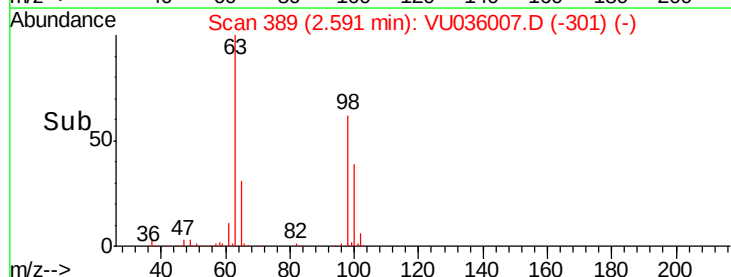
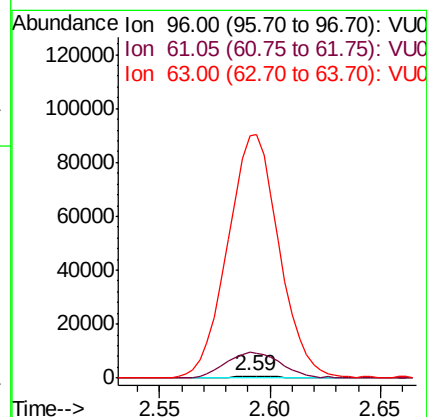
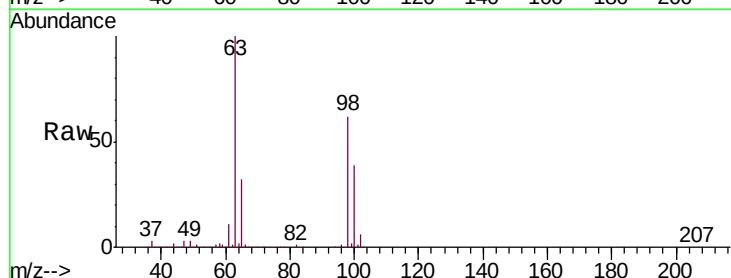
Tgt Ion: 96 Resp: 1306

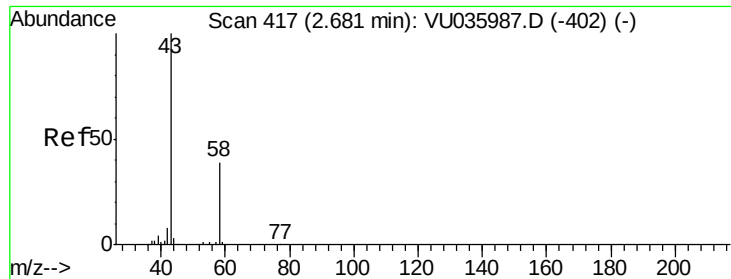
Ion Ratio Lower Upper

96 100

61 1189.4 127.1 236.1#

63 11307.9 86.0 159.8#





#13

Acetone

Concen: 4.062 ug/L

RT: 2.69 min Scan# 421

Delta R.T. 0.01 min

Lab File: VU036007.D

Acq: 05 Dec 2019 20:44

Instrument :

MSVOA_U

ClientSampleId :

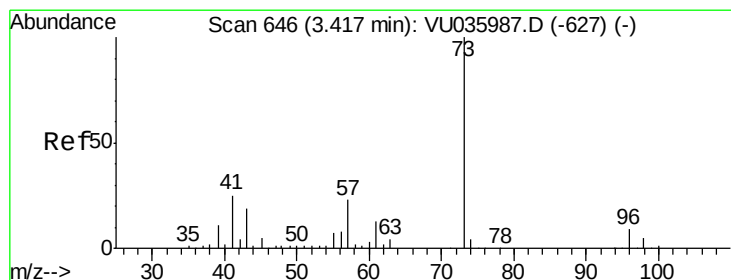
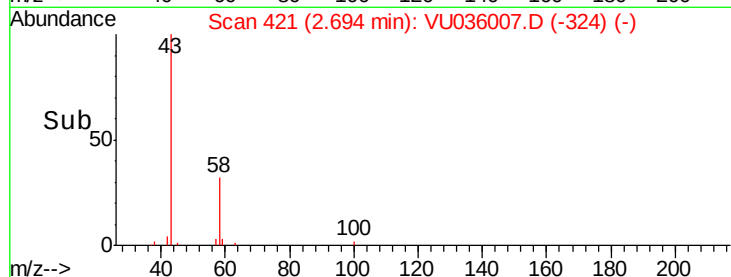
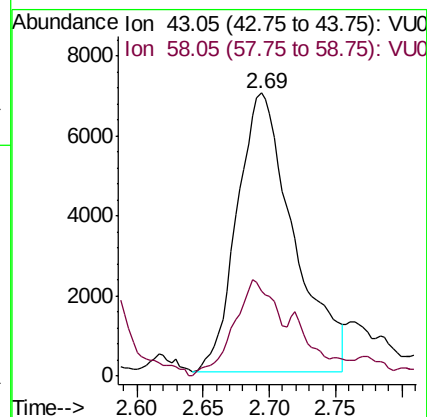
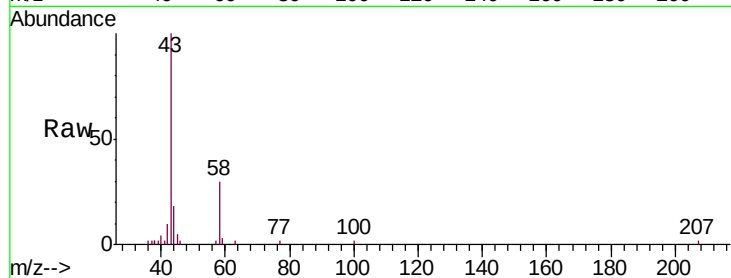
BFQR5

Tgt Ion: 43 Resp: 20695

Ion Ratio Lower Upper

43 100

58 26.2 0.0 68.6



#17

Methyl tert-butyl Ether

Concen: 0.127 ug/L

RT: 3.42 min Scan# 647

Delta R.T. 0.00 min

Lab File: VU036007.D

Acq: 05 Dec 2019 20:44

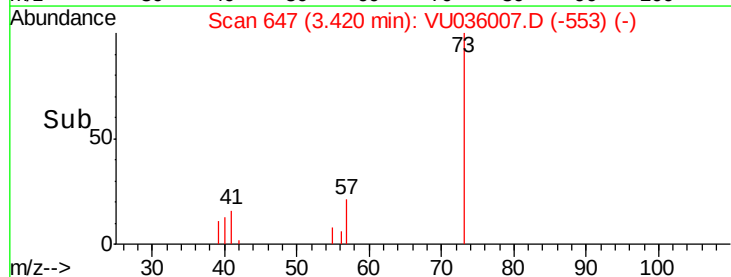
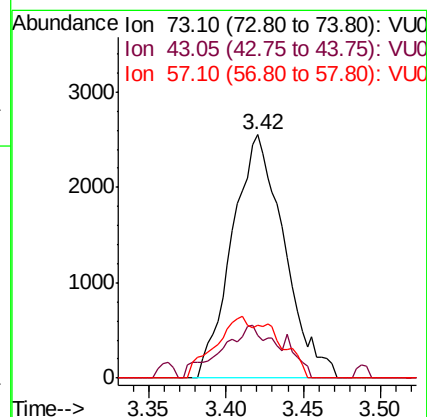
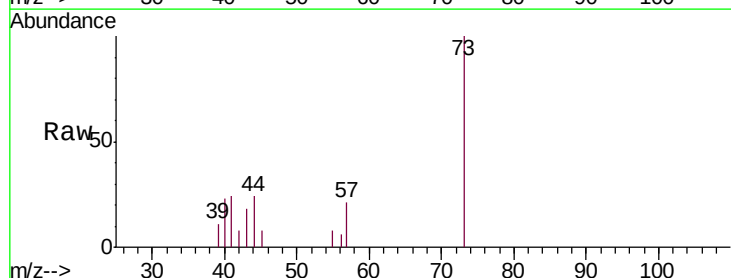
Tgt Ion: 73 Resp: 5967

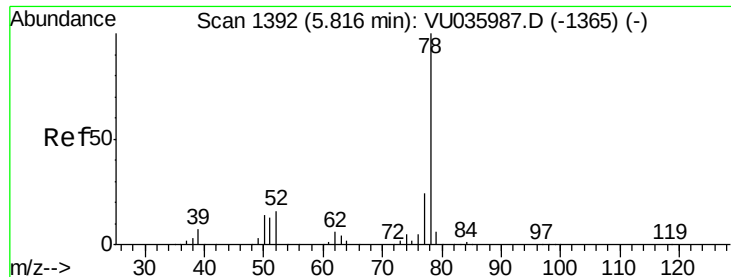
Ion Ratio Lower Upper

73 100

43 21.3 15.9 23.9

57 17.5 18.8 28.2#

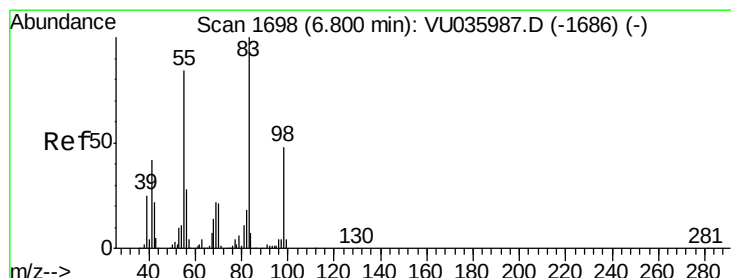
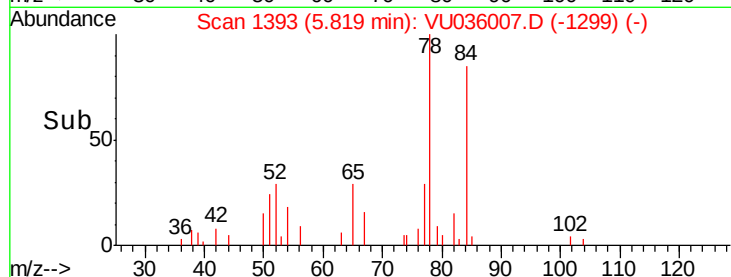
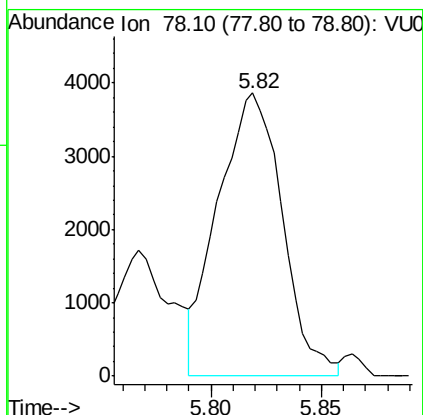
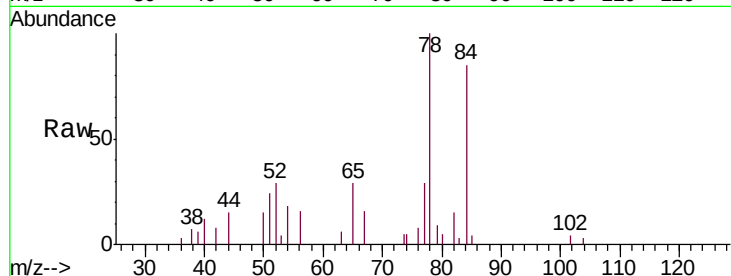




#33
Benzene
Concen: 0.084 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU036007.D
Acq: 05 Dec 2019 20:44

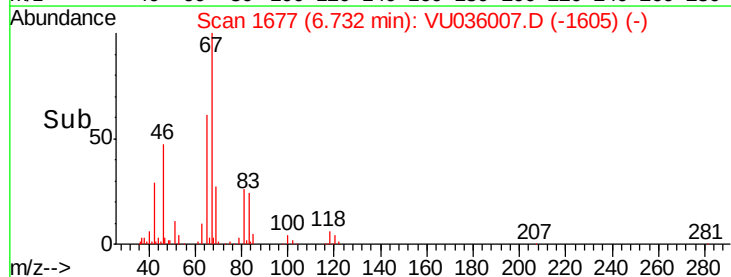
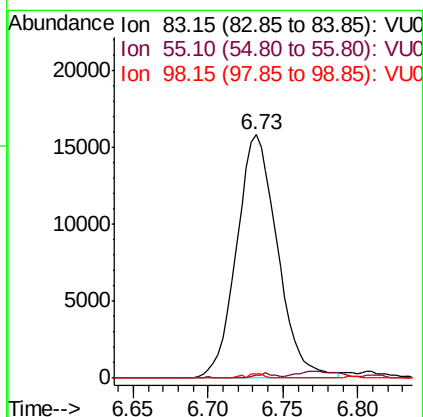
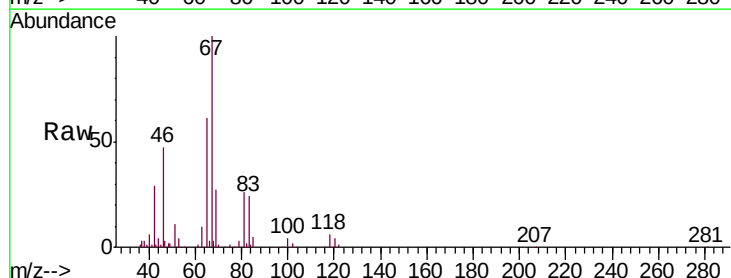
Tgt Ion: 78 Resp: 7796

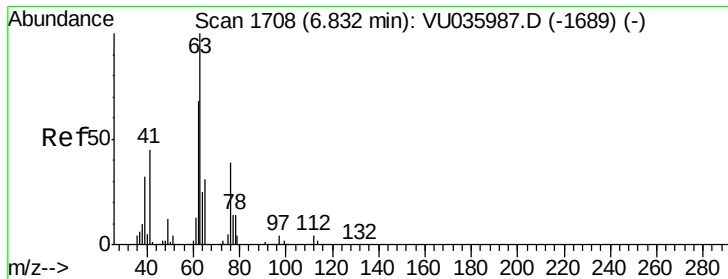
Instrument :
MSVOA_U
ClientSampled :
BFQR5



#35
Methylcyclohexane
Concen: 0.849 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036007.D
Acq: 05 Dec 2019 20:44

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.9	67.4	101.0#
98	0.8	34.6	52.0#

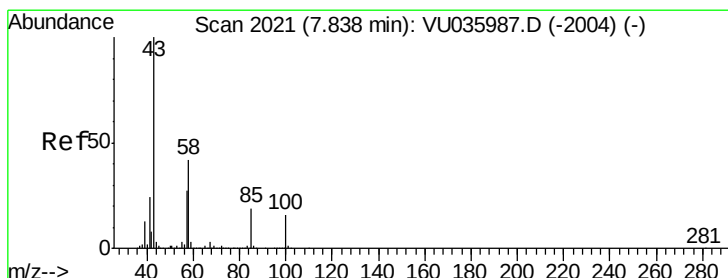
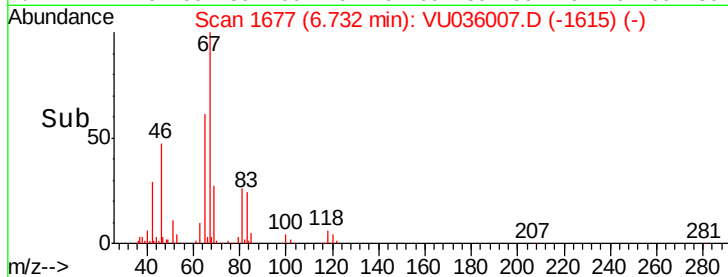
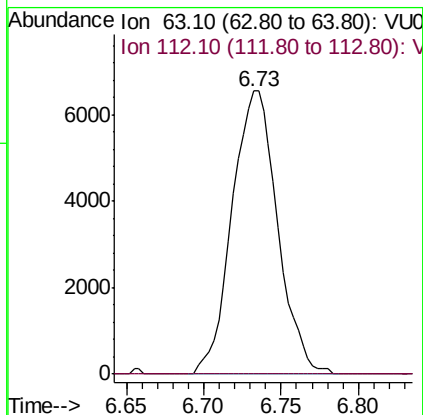
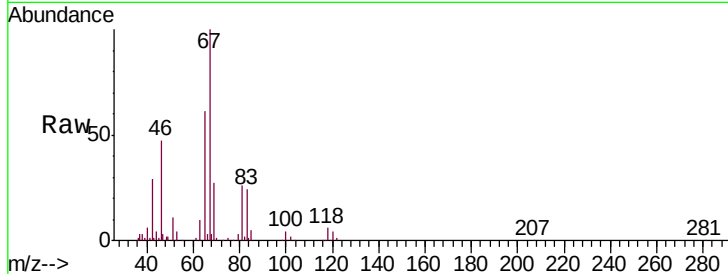




#37
 1,2-Dichloropropane
 Concen: 0.530 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU036007.D
 Acq: 05 Dec 2019 20:44

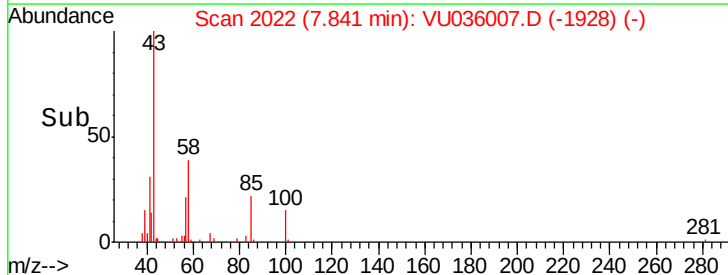
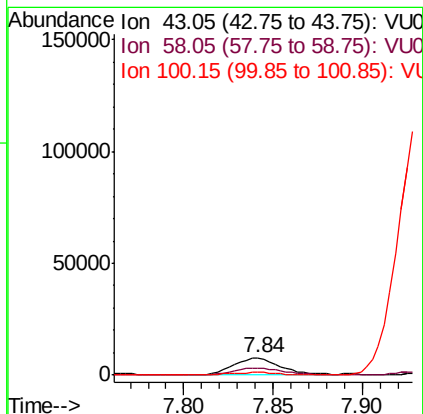
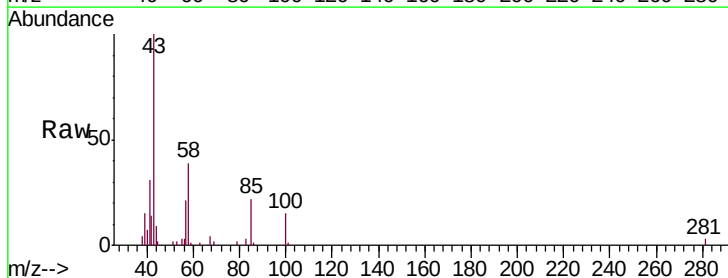
Instrument :
 MSVOA_U
 ClientSampleId :
 BFQR5

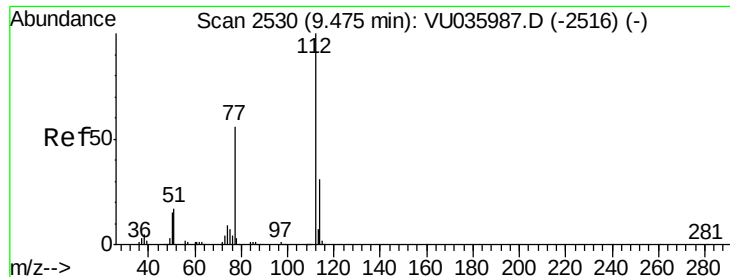
Tgt Ion: 63 Resp: 13384
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#40
 4-Methyl-2-pentanone
 Concen: 0.984 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: VU036007.D
 Acq: 05 Dec 2019 20:44

Tgt Ion: 43 Resp: 14604
 Ion Ratio Lower Upper
 43 100
 58 42.5 32.3 48.5
 100 0.0 11.7 17.5#





#51

Chlorobenzene

Concen: 1.114 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU036007.D

Acq: 05 Dec 2019 20:44

Instrument :

MSVOA_U

ClientSampled :

BFQR5

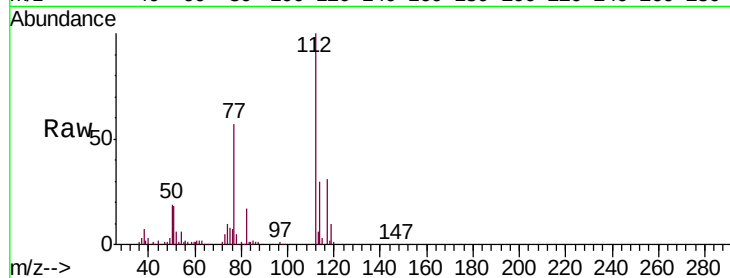
Tgt Ion:112 Resp: 67774

Ion Ratio Lower Upper

112 100

114 30.3 22.5 41.7

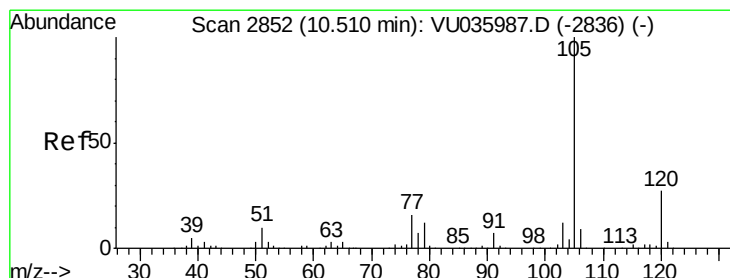
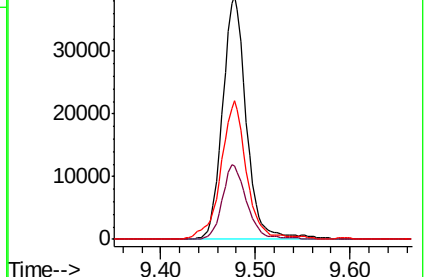
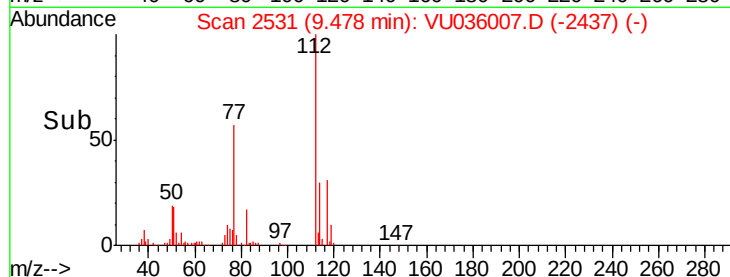
77 57.2 47.7 71.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0



#56

Isopropylbenzene

Concen: 0.104 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036007.D

Acq: 05 Dec 2019 20:44

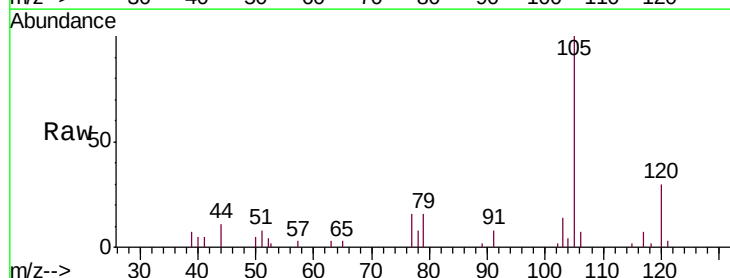
Tgt Ion:105 Resp: 9541

Ion Ratio Lower Upper

105 100

120 31.1 21.3 31.9

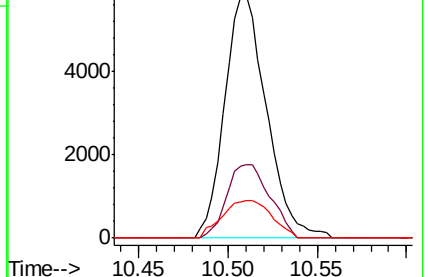
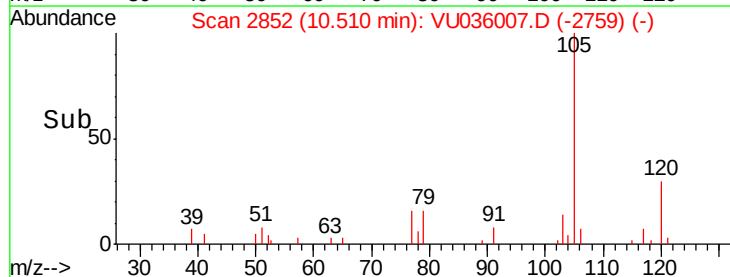
77 18.2 13.1 19.7

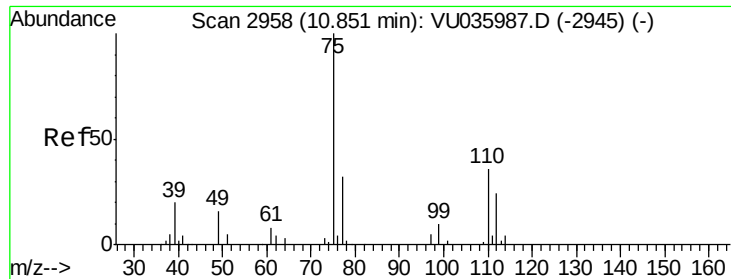


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0





#59

1,2,3-Trichloropropane

Concen: 0.768 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU036007.D

Acq: 05 Dec 2019 20:44

Instrument :

MSVOA_U

ClientSampleId :

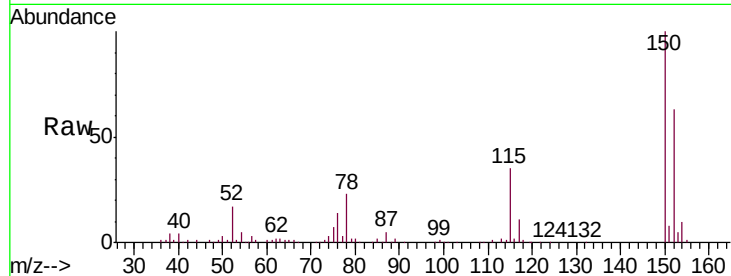
BFQR5

Tgt Ion: 75 Resp: 12604

Ion Ratio Lower Upper

75 100

77 39.6 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU036007.D (-2336) (-)

Ion 77.00 (76.70 to 77.70): VU036007.D (-2336) (-)

11.84

8000

6000

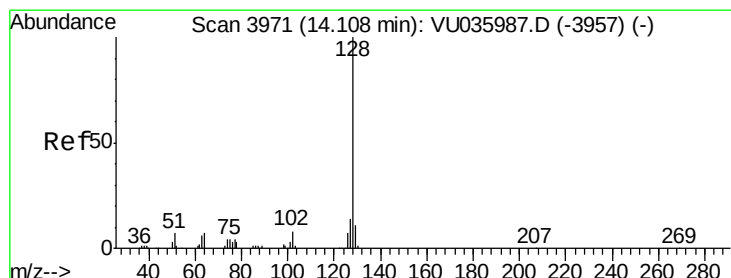
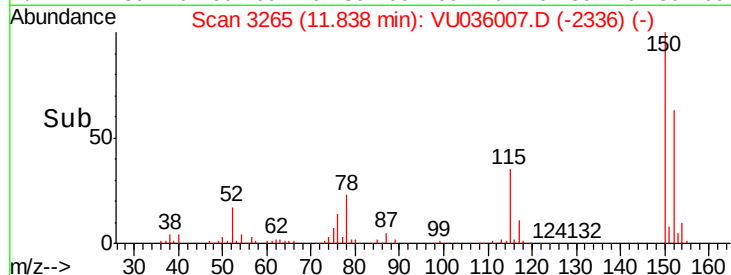
4000

2000

0

11.80 11.85 11.90

Time-->



#69

Naphthalene

Concen: 0.111 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU036007.D

Acq: 05 Dec 2019 20:44

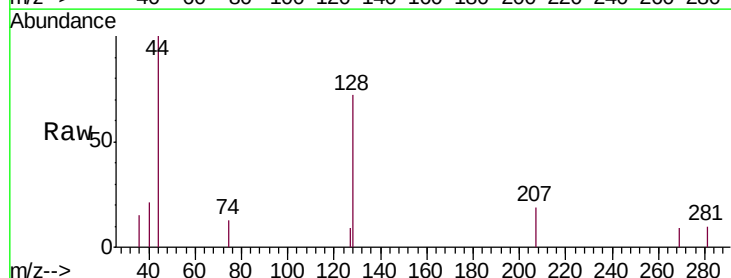
Tgt Ion: 128 Resp: 1746

Ion Ratio Lower Upper

128 100

129 1.1 8.4 12.6#

127 6.1 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): VU036007.D (-3349) (-)

Ion 129.00 (128.70 to 129.70): VU036007.D (-3349) (-)

Ion 127.00 (126.70 to 127.70): VU036007.D (-3349) (-)

14.11

1000

500

0

14.10 14.15

Time-->

