

Data File : VU036058.D
Acq On : 09 Dec 2019 19:42
Operator : JC/MD
Sample : K6167-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFQT4

Quant Time: Dec 10 01:52:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 01:47:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	241407	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	266087	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	94284	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	111355	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.93	69	133839	5.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.40%
11) 1,1-Dichloroethene-d2	2.59	63	125546	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	4.70	46	214872	58.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.20%
24) Chloroform-d	5.11	84	171644	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.75	65	96118	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.77	84	356940	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.73	67	107949	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.93	98	301686	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	8.21	79	31792	3.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.20%
46) 2-Hexanone-d5	8.68	63	164434	53.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.36%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	98478	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	104152	5.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.80%

Target Compounds

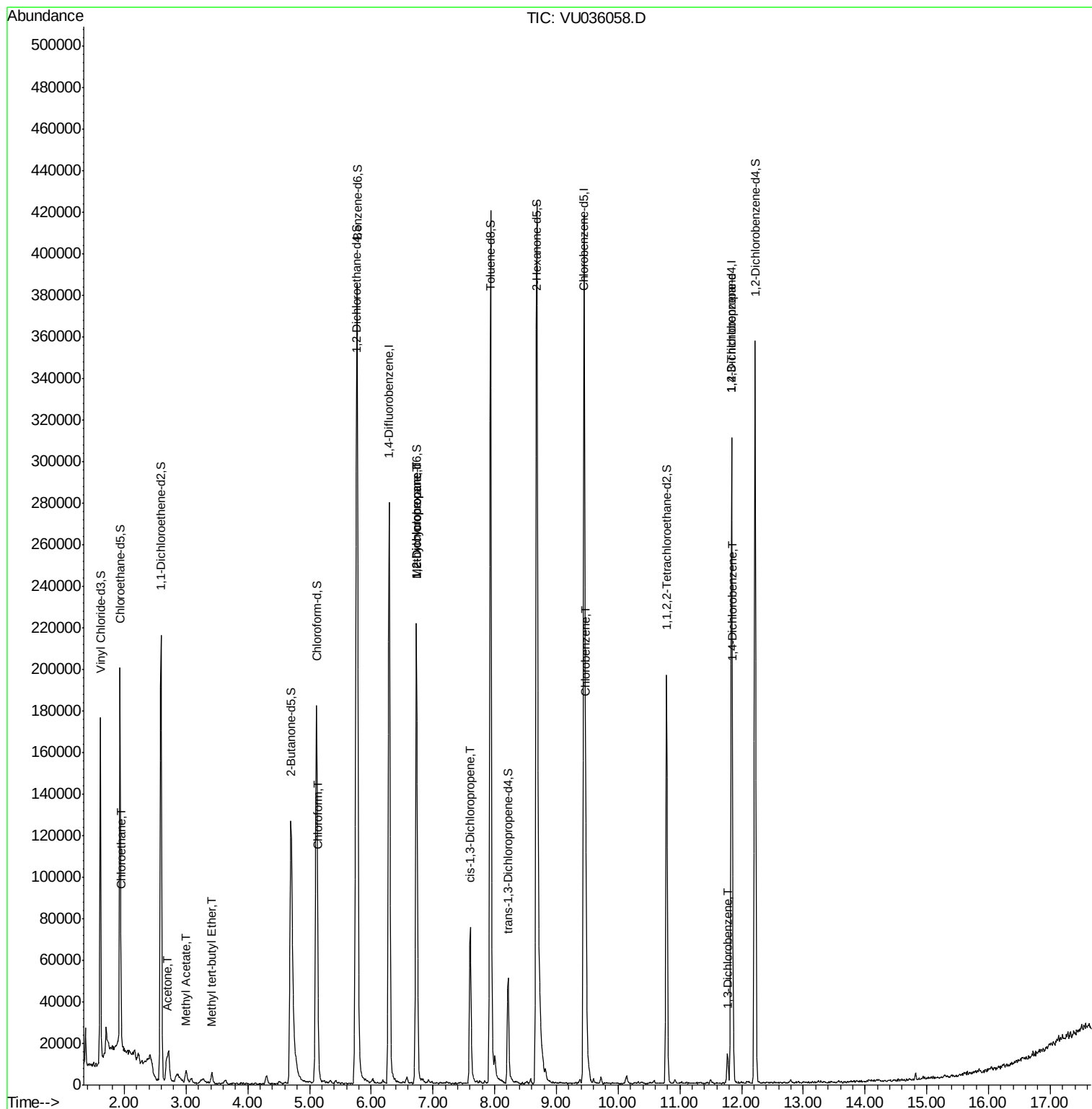
					Qvalue	
8) Chloroethane	1.95	64	1872	0.102	ug/L #	54
13) Acetone	2.69	43	18454	3.965	ug/L	65
15) Methyl Acetate	3.01	43	6957	1.012	ug/L	93
17) Methyl tert-butyl Ether	3.42	73	4964	0.137	ug/L #	95
25) Chloroform	5.14	83	9345	0.261	ug/L	85
35) Methylcyclohexane	6.73	83	26601	1.027	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	11244	0.616	ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	1822	0.073	ug/L #	33
51) Chlorobenzene	9.48	112	55842	1.027	ug/L	97
59) 1,2,3-Trichloropropane	11.83	75	11422	0.876	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	7580	0.246	ug/L	93
63) 1,4-Dichlorobenzene	11.86	146	8167	0.269	ug/L	93

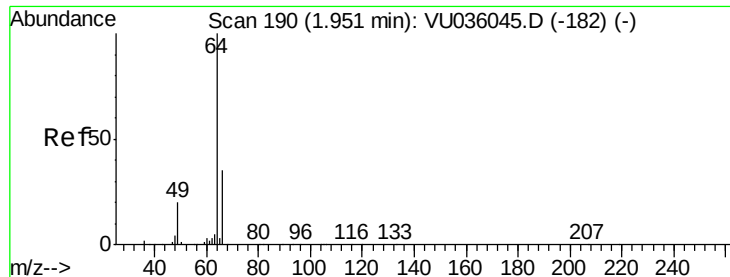
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.102 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU036058.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

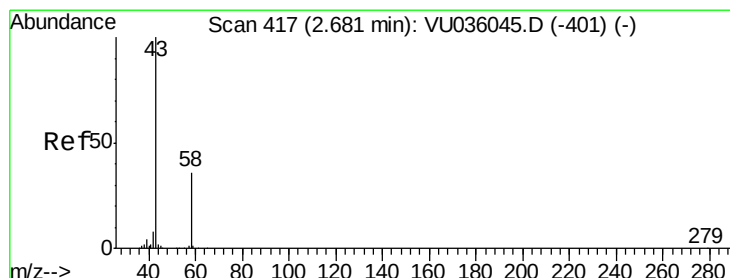
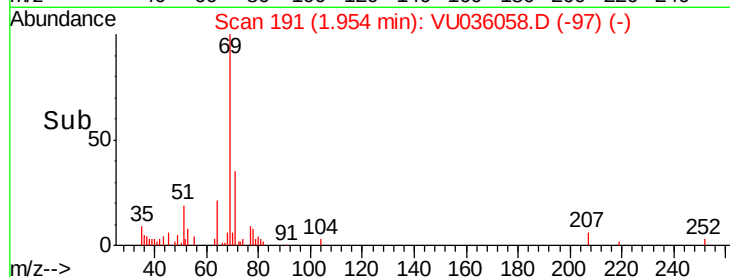
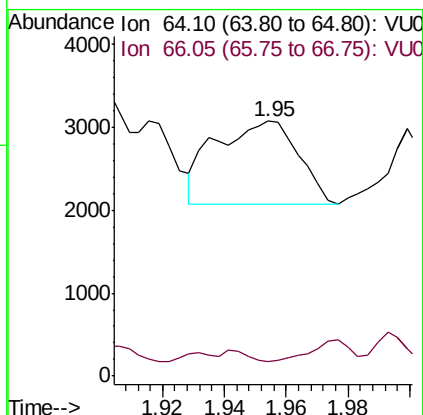
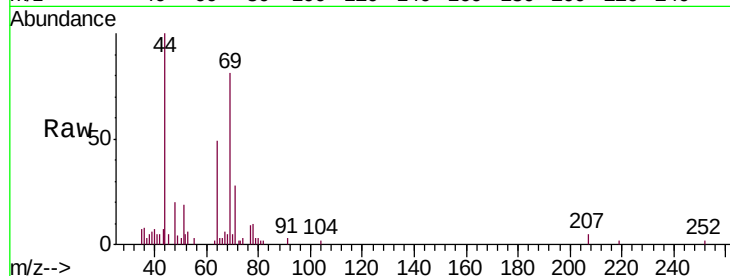
BFQT4

Tgt Ion: 64 Resp: 1872

Ion Ratio Lower Upper

64 100

66 5.7 21.5 39.9#



#13

Acetone

Concen: 3.965 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.01 min

Lab File: VU036058.D

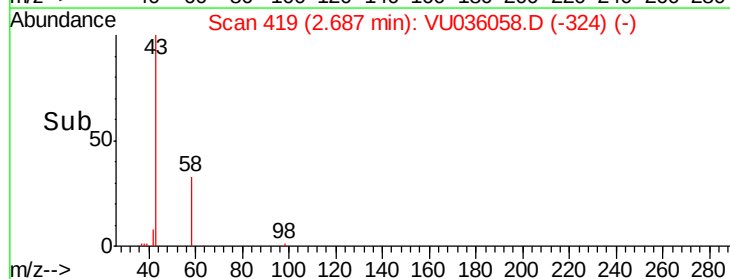
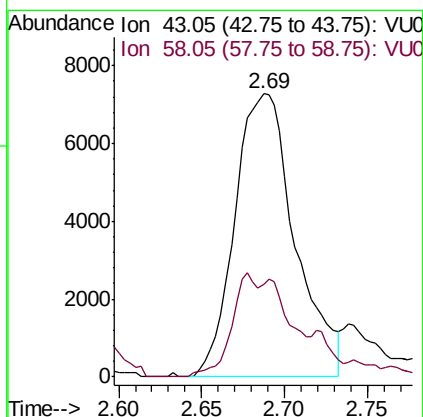
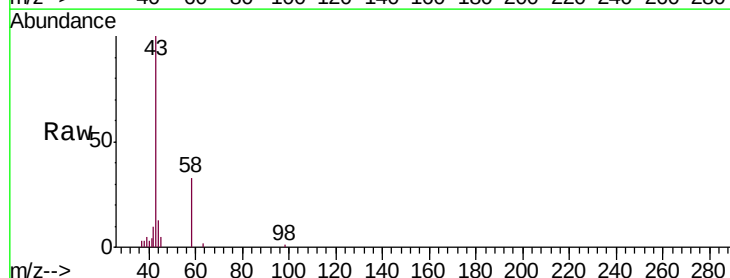
Acq: 09 Dec 2019 19:42

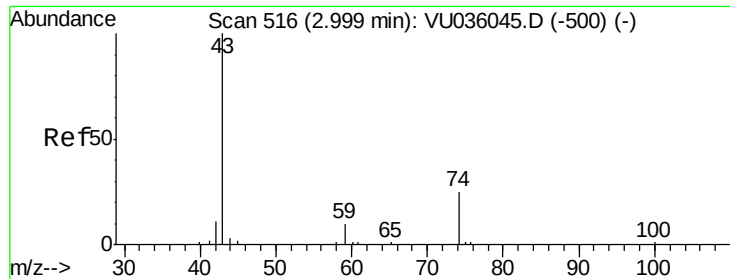
Tgt Ion: 43 Resp: 18454

Ion Ratio Lower Upper

43 100

58 16.1 0.0 74.2





#15

Methyl Acetate

Concen: 1.012 ug/L

RT: 3.01 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU036058.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

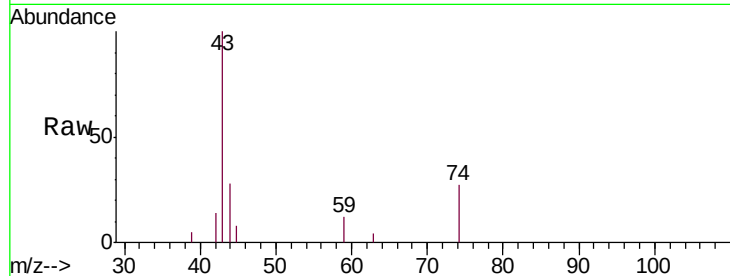
BFQT4

Tgt Ion: 43 Resp: 6957

Ion Ratio Lower Upper

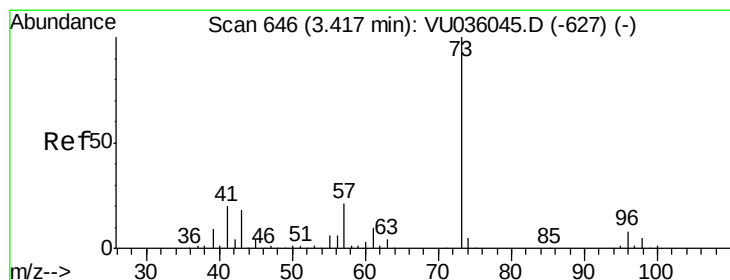
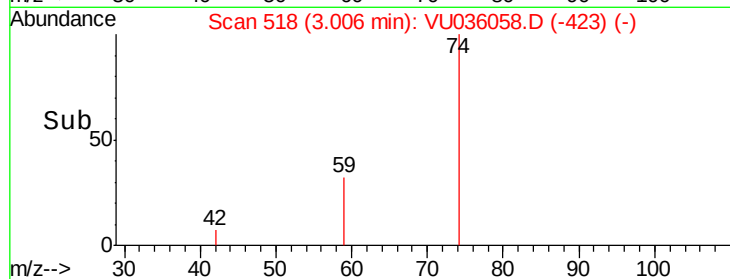
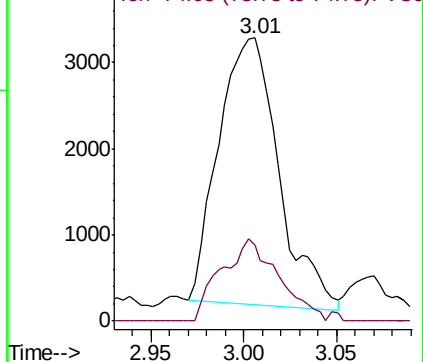
43 100

74 29.7 21.0 31.4



Abundance Ion 43.05 (42.75 to 43.75): VU036045.D (-500) (-)

Ion 74.05 (73.75 to 74.75): VU036045.D (-500) (-)



#17

Methyl tert-butyl Ether

Concen: 0.137 ug/L

RT: 3.42 min Scan# 647

Delta R.T. 0.00 min

Lab File: VU036058.D

Acq: 09 Dec 2019 19:42

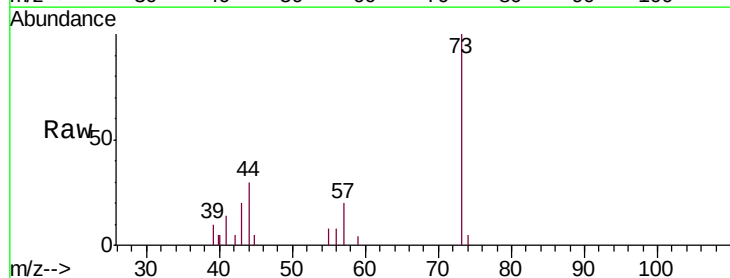
Tgt Ion: 73 Resp: 4964

Ion Ratio Lower Upper

73 100

43 15.0 15.6 23.4#

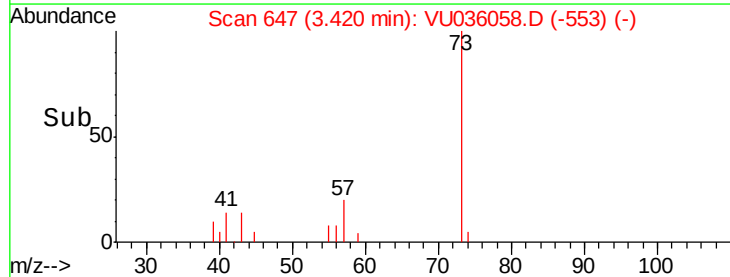
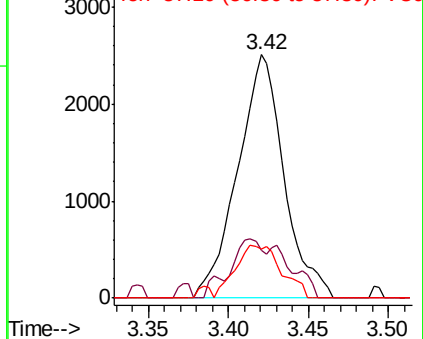
57 21.5 17.4 26.2

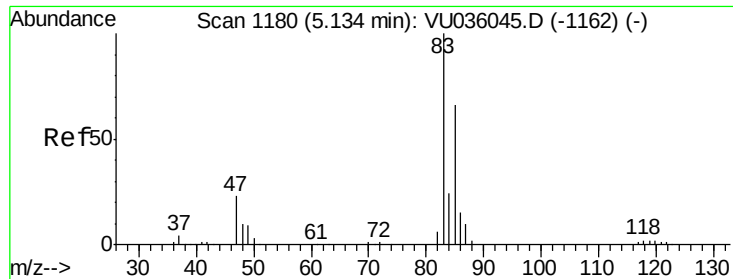


Abundance Ion 73.10 (72.80 to 73.80): VU036045.D (-627) (-)

Ion 43.05 (42.75 to 43.75): VU036045.D (-627) (-)

Ion 57.10 (56.80 to 57.80): VU036045.D (-627) (-)





#25

Chloroform

Concen: 0.261 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VU036058.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

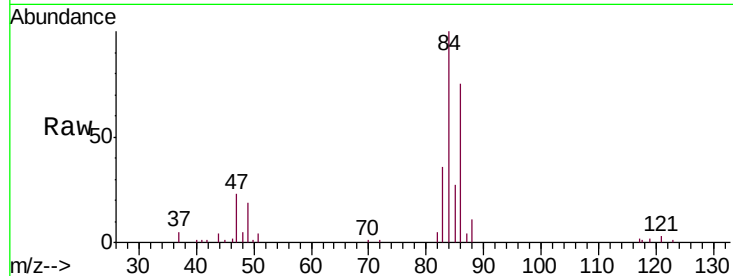
BFQT4

Tgt Ion: 83 Resp: 9345

Ion Ratio Lower Upper

83 100

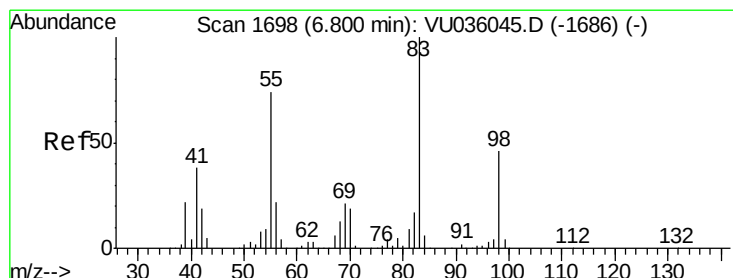
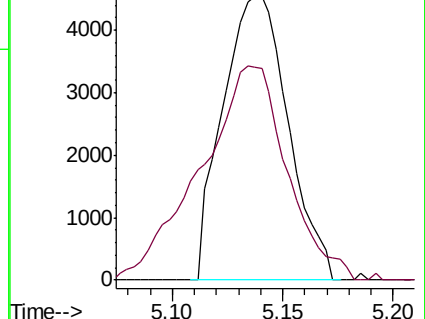
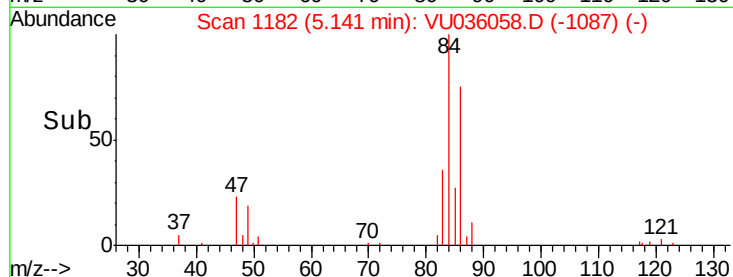
85 74.7 43.9 81.5



Abundance Ion 83.05 (82.75 to 83.75): VU036045.D (-1162) (-)

Ion 85.00 (84.70 to 85.70): VU036045.D (-1162) (-)

5.14



#35

Methylcyclohexane

Concen: 1.027 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036058.D

Acq: 09 Dec 2019 19:42

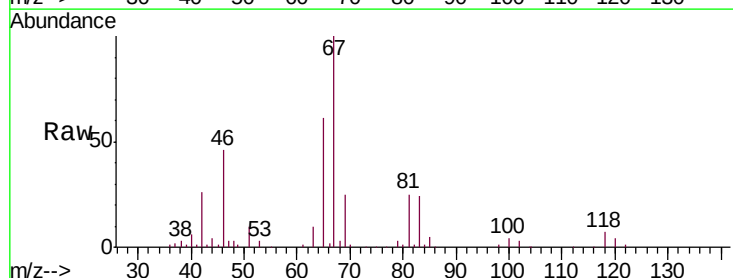
Tgt Ion: 83 Resp: 26601

Ion Ratio Lower Upper

83 100

55 0.2 62.1 93.1#

98 1.8 37.0 55.4#

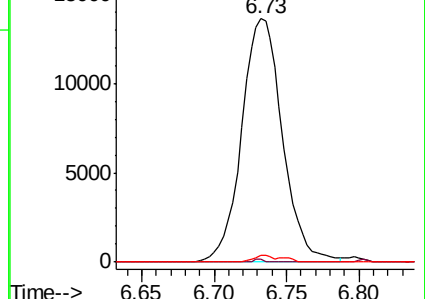
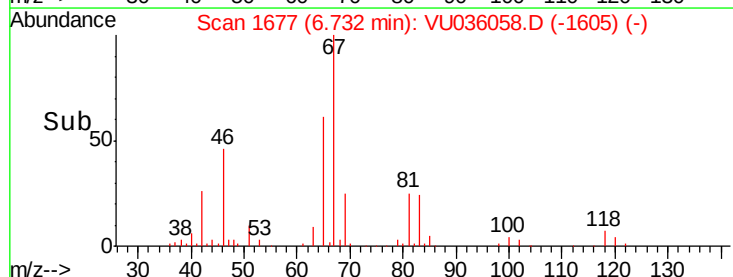


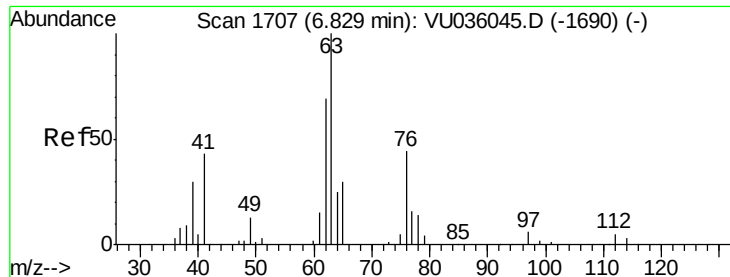
Abundance Ion 83.15 (82.85 to 83.85): VU036045.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU036045.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU036045.D (-1686) (-)

6.73

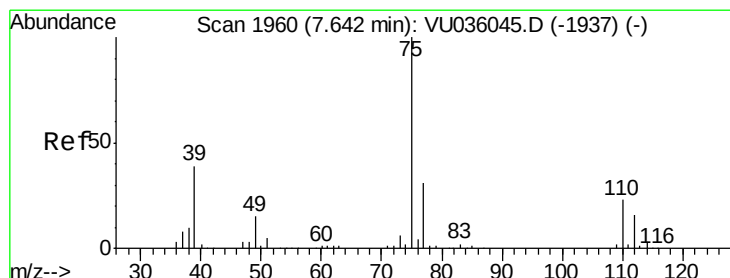
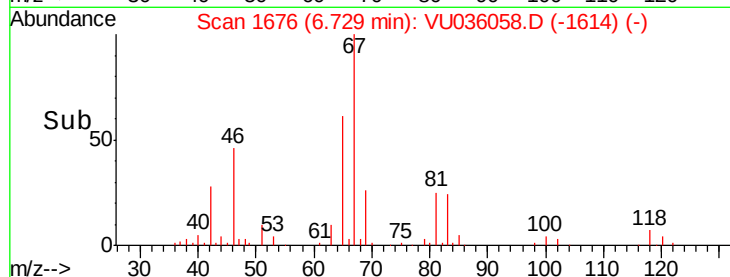
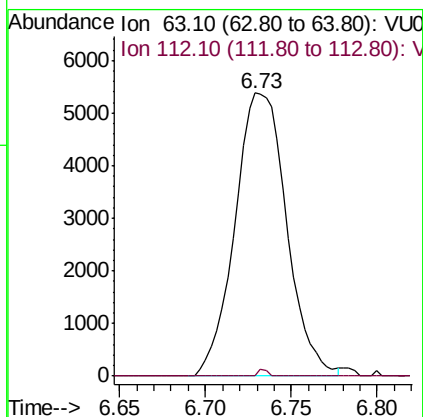
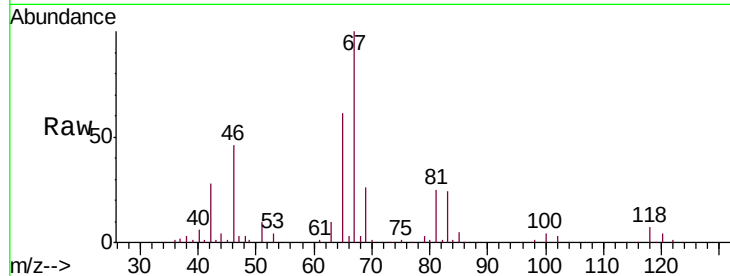




#37
 1,2-Dichloropropane
 Concen: 0.616 ug/L
 RT: 6.73 min Scan# 1676
 Delta R.T. -0.10 min
 Lab File: VU036058.D
 Acq: 09 Dec 2019 19:42

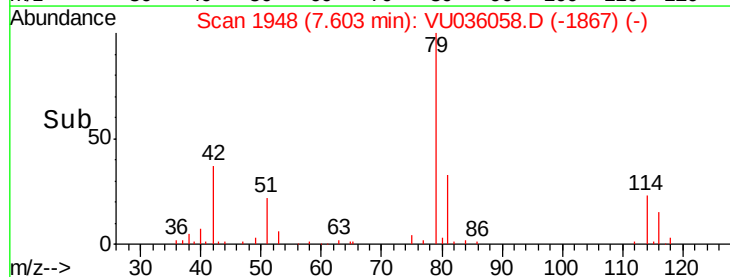
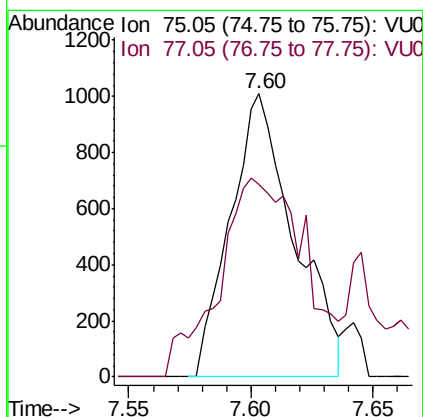
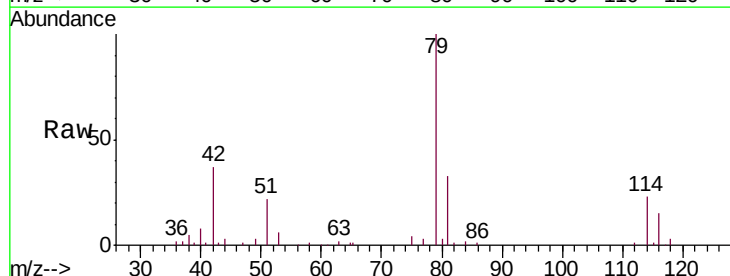
Instrument :
 MSVOA_U
 ClientSampleId :
 BFQT4

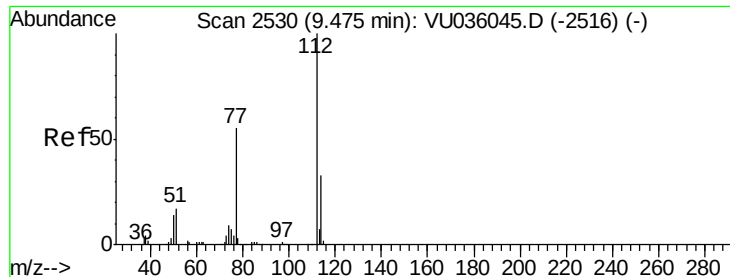
Tgt Ion: 63 Resp: 11244
 Ion Ratio Lower Upper
 63 100
 112 0.4 3.8 5.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.073 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU036058.D
 Acq: 09 Dec 2019 19:42

Tgt Ion: 75 Resp: 1822
 Ion Ratio Lower Upper
 75 100
 77 68.0 21.7 40.3#





#51

Chlorobenzene

Concen: 1.027 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU036058.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

BFQT4

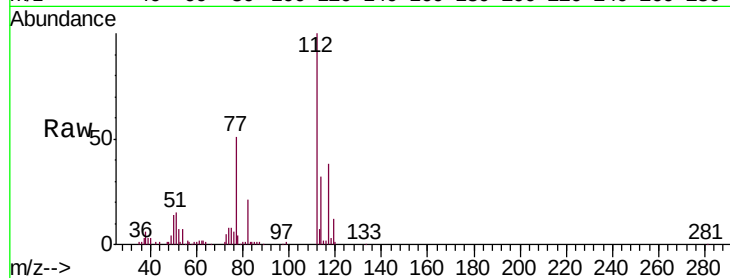
Tgt Ion: 112 Resp: 55842

Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.5

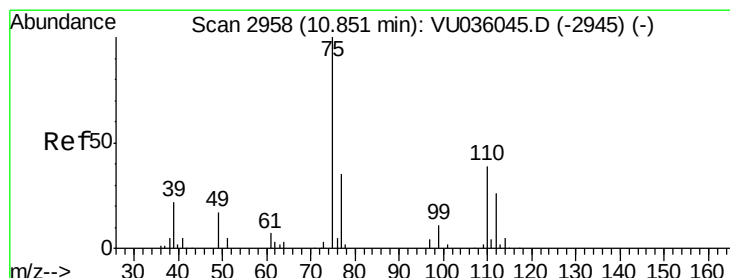
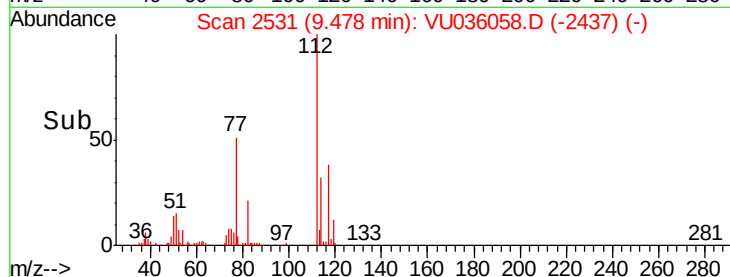
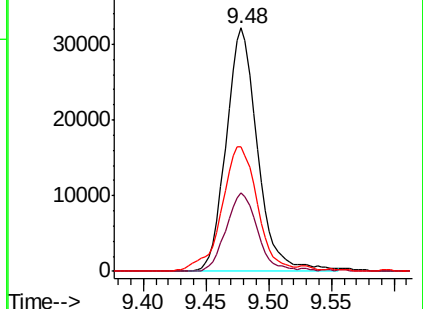
77 51.0 43.8 65.8



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): VU



#59

1,2,3-Trichloropropane

Concen: 0.876 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.98 min

Lab File: VU036058.D

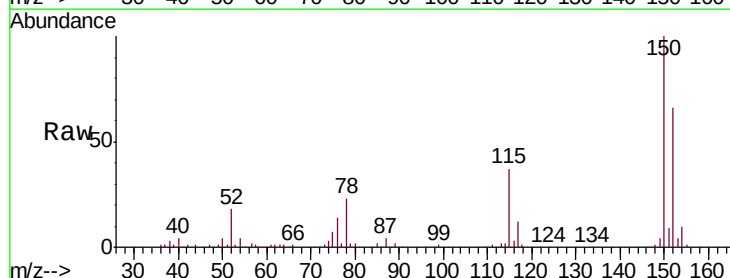
Acq: 09 Dec 2019 19:42

Tgt Ion: 75 Resp: 11422

Ion Ratio Lower Upper

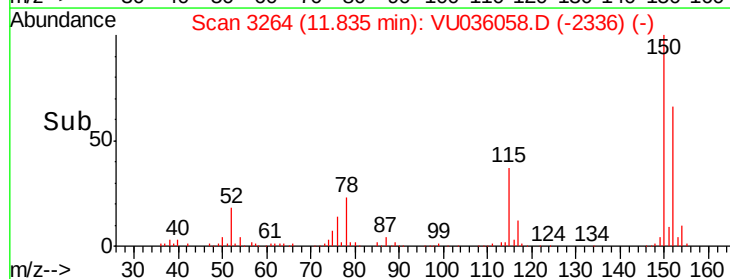
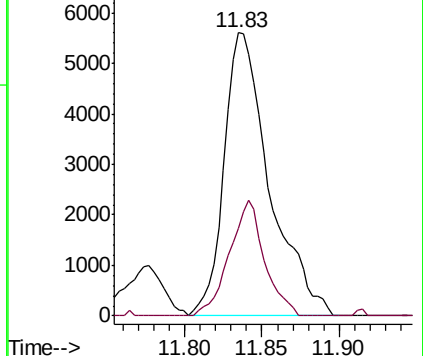
75 100

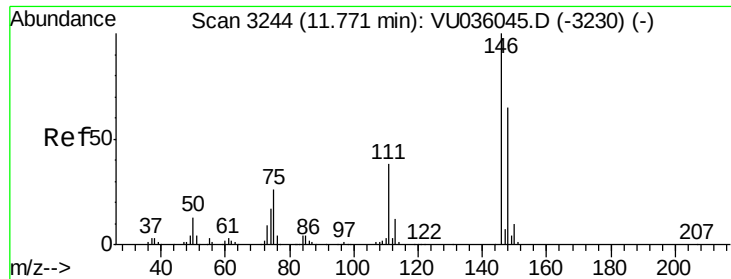
77 31.4 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

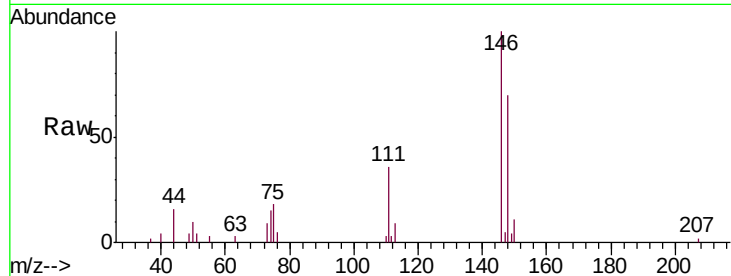




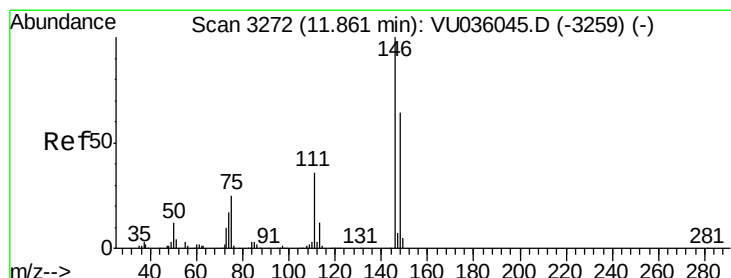
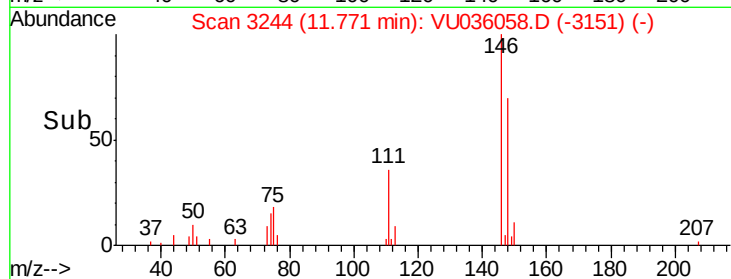
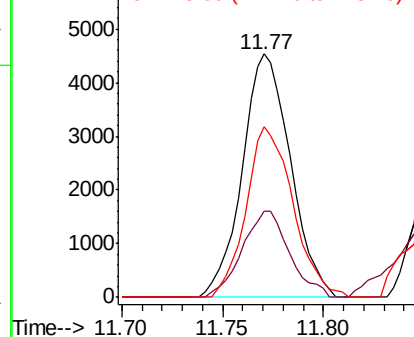
#62
 1,3-Dichlorobenzene
 Concen: 0.246 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. -0.00 min
 Lab File: VU036058.D
 Acq: 09 Dec 2019 19:42

Instrument :
 MSVOA_U
 ClientSampleId :
 BFQT4

Tgt Ion:146 Resp: 7580
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.0 48.2
 148 70.0 43.7 81.1

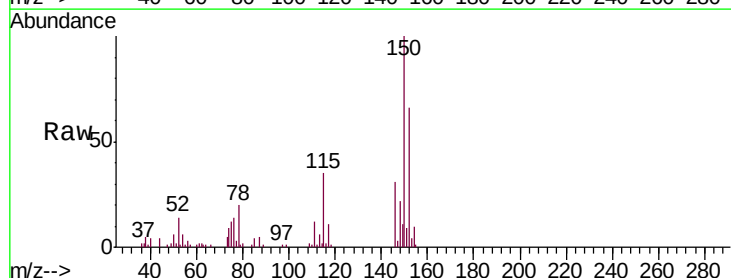


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



#63
 1,4-Dichlorobenzene
 Concen: 0.269 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. -0.00 min
 Lab File: VU036058.D
 Acq: 09 Dec 2019 19:42

Tgt Ion:146 Resp: 8167
 Ion Ratio Lower Upper
 146 100
 111 39.3 26.2 48.6
 148 71.2 44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

