

Data File : VU036176.D
Acq On : 13 Dec 2019 02:27
Operator : JC/MD
Sample : K6273-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDR6

Quant Time: Dec 13 04:24:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	263998	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	294037	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	114447	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	137087	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.93	69	121202	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.59	63	140281	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	4.70	46	182906	42.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.10%
24) Chloroform-d	5.11	84	198703	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.75	65	100719	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.77	84	375953	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.73	67	124597	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.93	98	308219	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	8.21	79	45524	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.67	63	167903	44.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.34%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	110174	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	120815	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

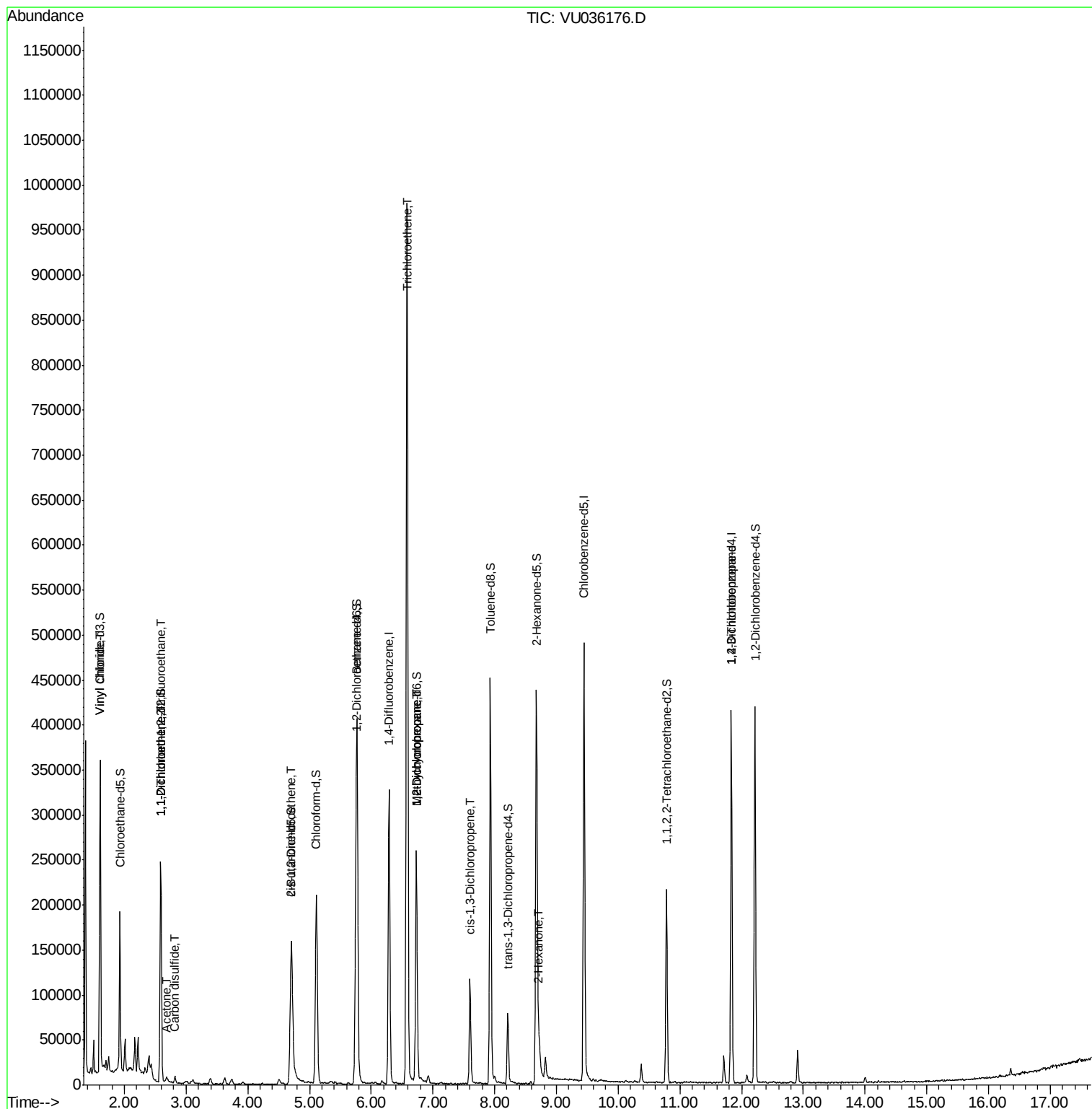
						Qvalue
5) Vinyl chloride	1.62	62	3371	0.096	ug/L #	16
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2353	0.110	ug/L #	39
12) 1,1-Dichloroethene	2.60	96	2118	0.106	ug/L #	1
13) Acetone	2.68	43	8594	2.298	ug/L	95
14) Carbon disulfide	2.82	76	9231	0.140	ug/L #	91
22) cis-1,2-Dichloroethene	4.72	96	38100	1.793	ug/L	95
34) Trichloroethene	6.58	95	334125	14.446	ug/L	97
35) Methylcyclohexane	6.73	83	29467	0.894	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	12835	0.550	ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	3015	0.098	ug/L #	24
48) 2-Hexanone	8.72	43	9528	1.103	ug/L	90
59) 1,2,3-Trichloropropane	11.83	75	13055	0.849	ug/L	97

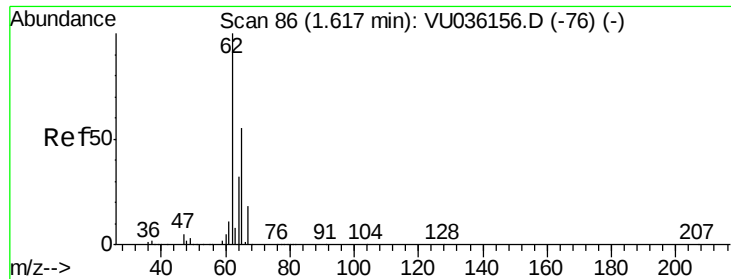
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.096 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036176.D

Acq: 13 Dec 2019 02:27

Instrument :

MSVOA_U

ClientSampleId :

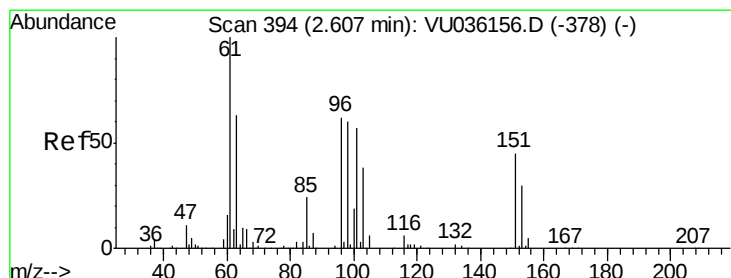
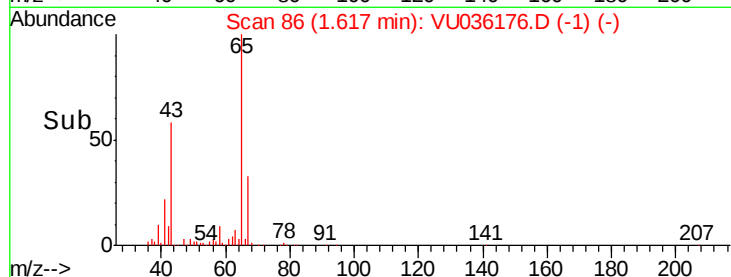
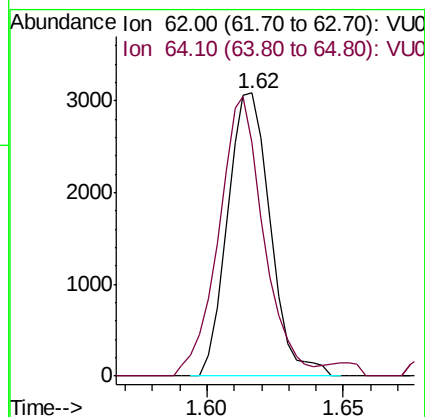
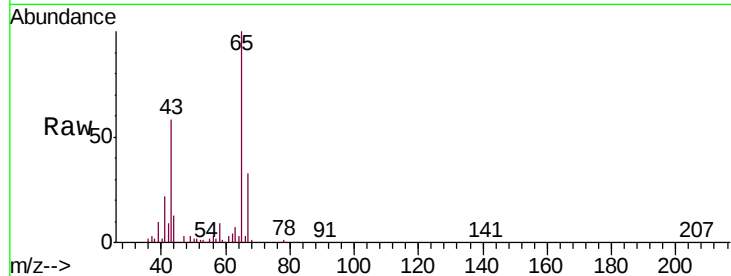
BFDR6

Tgt Ion: 62 Resp: 3371

Ion Ratio Lower Upper

62 100

64 82.6 24.0 44.6#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.110 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU036176.D

Acq: 13 Dec 2019 02:27

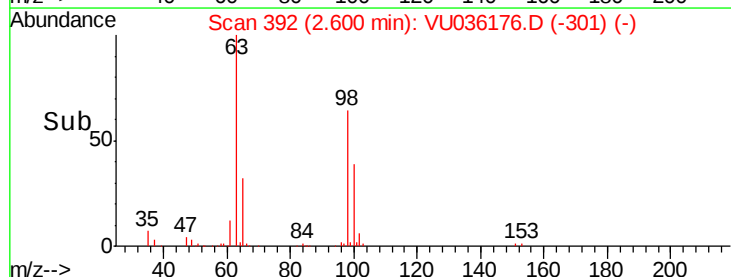
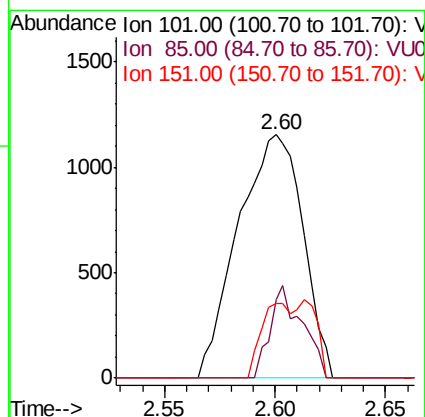
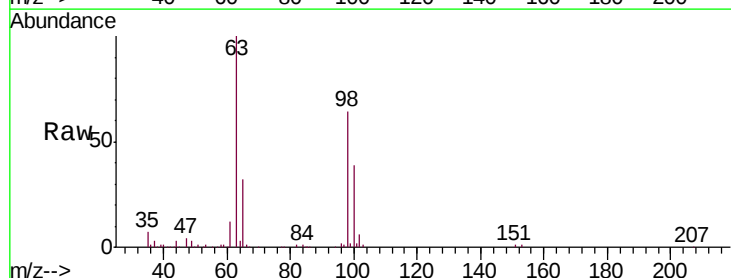
Tgt Ion: 101 Resp: 2353

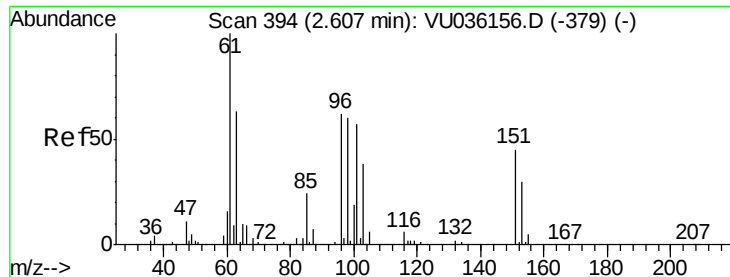
Ion Ratio Lower Upper

101 100

85 18.8 34.2 51.4#

151 14.2 63.4 95.0#





#12

1,1-Dichloroethene

Concen: 0.106 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU036176.D

Acq: 13 Dec 2019 02:27

Instrument :

MSVOA_U

ClientSampleId :

BFDR6

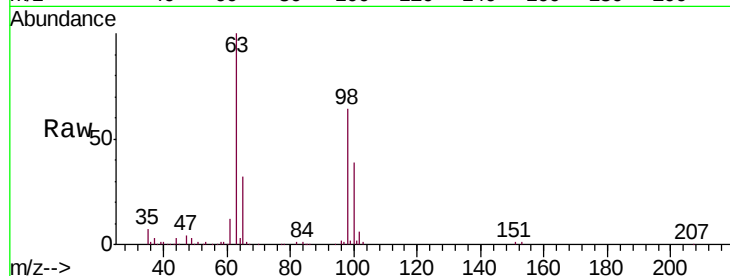
Tgt Ion: 96 Resp: 2118

Ion Ratio Lower Upper

96 100

61 664.1 110.6 205.4#

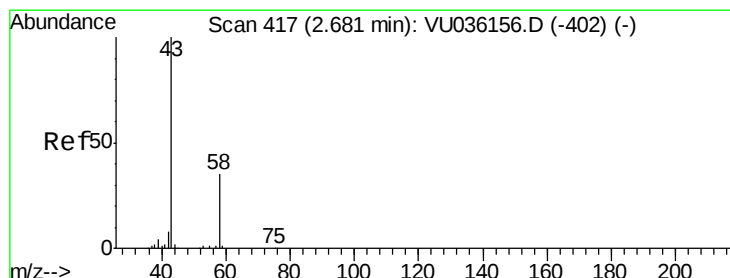
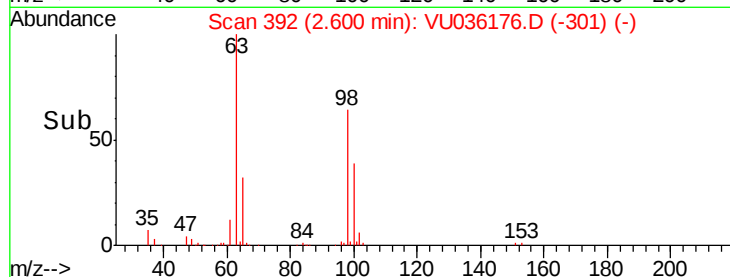
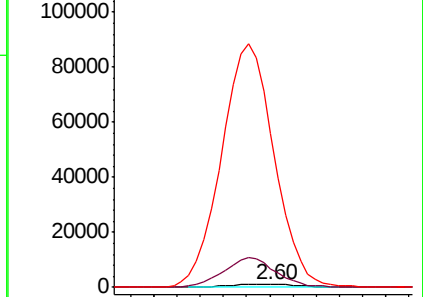
63 5424.6 71.6 133.0#



Abundance Ion 96.00 (95.70 to 96.70): VU036176.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU036176.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU036176.D (-301) (-)



#13

Acetone

Concen: 2.298 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.00 min

Lab File: VU036176.D

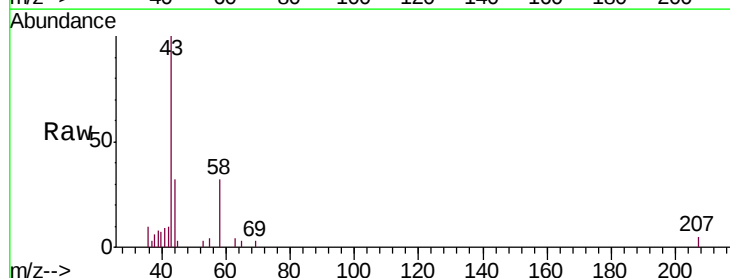
Acq: 13 Dec 2019 02:27

Tgt Ion: 43 Resp: 8594

Ion Ratio Lower Upper

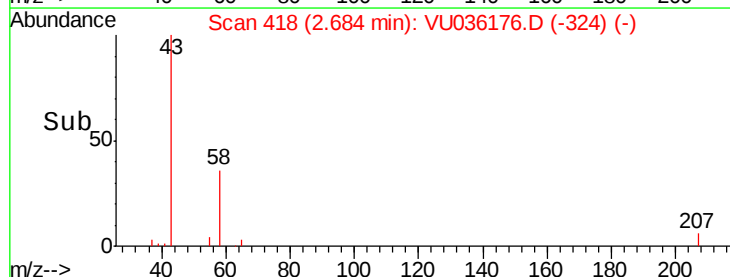
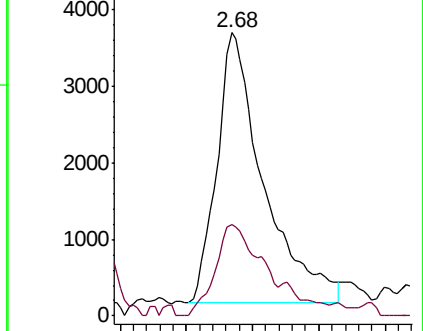
43 100

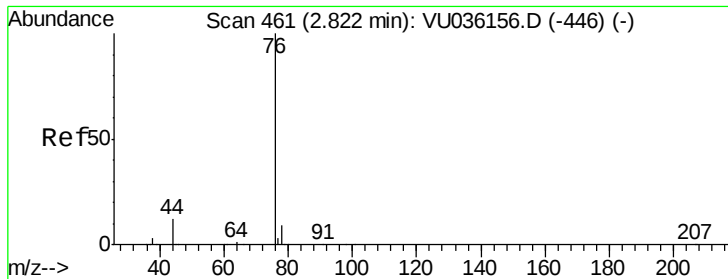
58 32.3 0.0 70.0



Abundance Ion 43.05 (42.75 to 43.75): VU036176.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU036176.D (-324) (-)





#14

Carbon disulfide

Concen: 0.140 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036176.D

Acq: 13 Dec 2019 02:27

Instrument :

MSVOA_U

ClientSampleId :

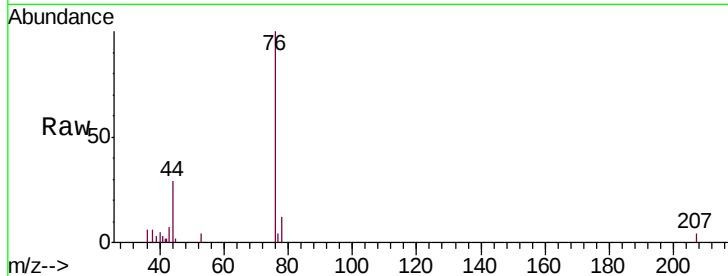
BFDR6

Tgt Ion: 76 Resp: 9231

Ion Ratio Lower Upper

76 100

78 12.2 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU036156.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036156.D (-446) (-)

2.82

6000

5000

4000

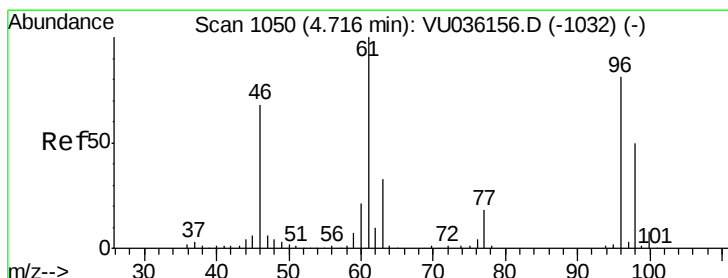
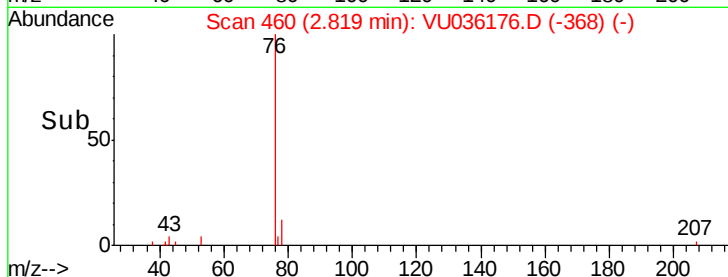
3000

2000

1000

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 1.793 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036176.D

Acq: 13 Dec 2019 02:27

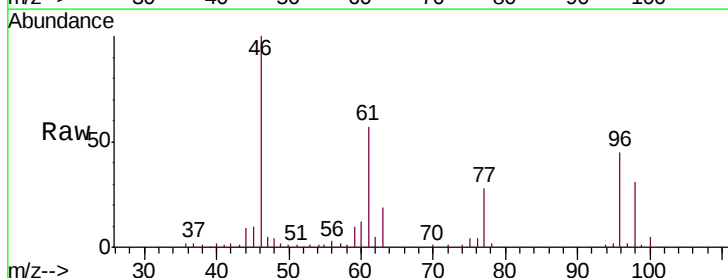
Tgt Ion: 96 Resp: 38100

Ion Ratio Lower Upper

96 100

61 125.3 83.8 155.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036156.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU036156.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU036156.D (-1032) (-)

4.72

30000

25000

20000

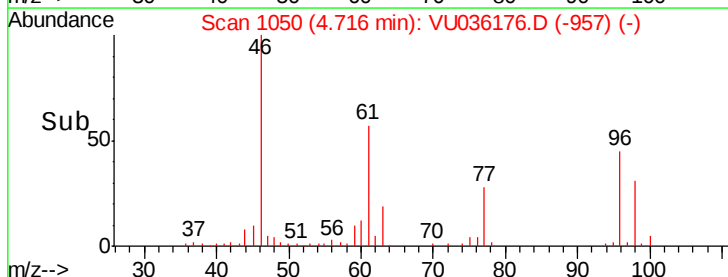
15000

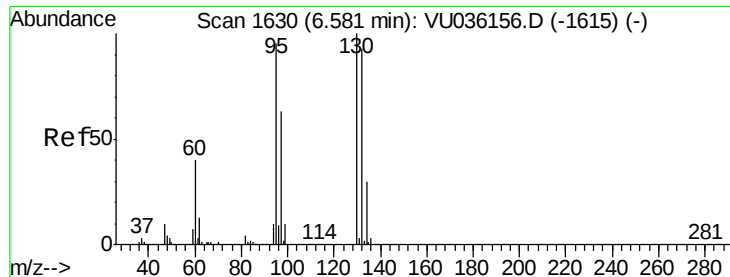
10000

5000

0

Time-->





#34

Trichloroethene

Concen: 14.446 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU036176.D

Acq: 13 Dec 2019 02:27

Instrument :

MSVOA_U

ClientSampleId :

BFDR6

Tgt Ion: 95 Resp: 334125

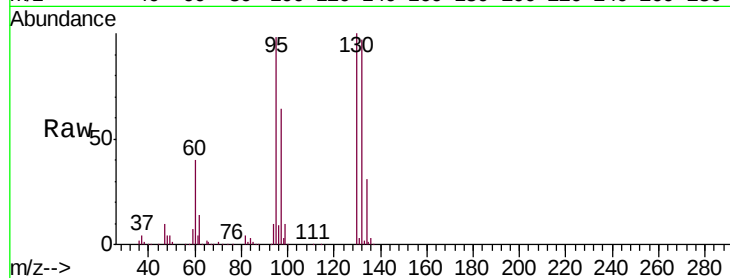
Ion Ratio Lower Upper

95 100

97 65.1 43.7 81.1

132 99.2 71.7 133.3

130 102.4 73.1 135.7

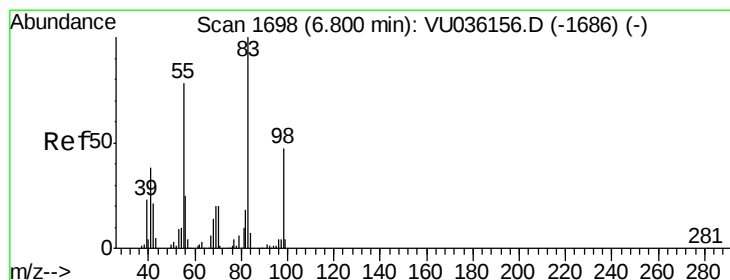
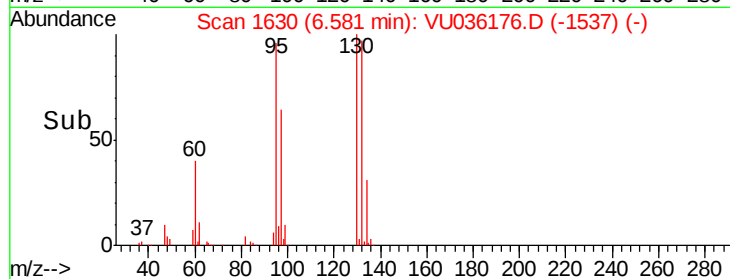
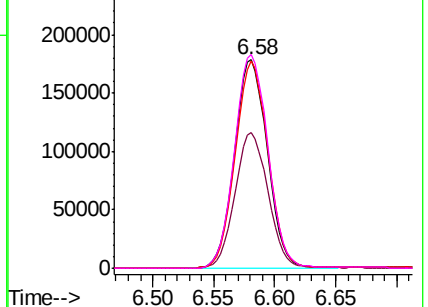


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.894 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036176.D

Acq: 13 Dec 2019 02:27

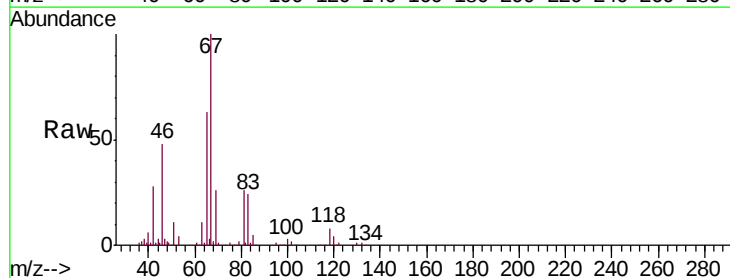
Tgt Ion: 83 Resp: 29467

Ion Ratio Lower Upper

83 100

55 0.2 61.9 92.9#

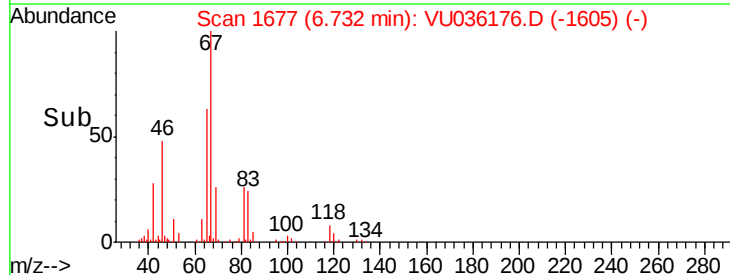
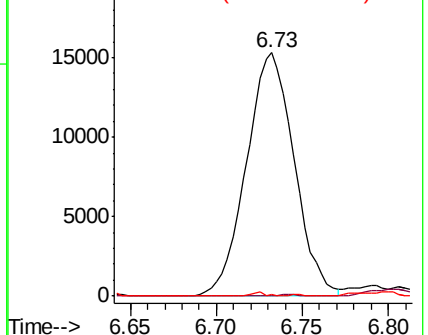
98 1.1 35.8 53.6#

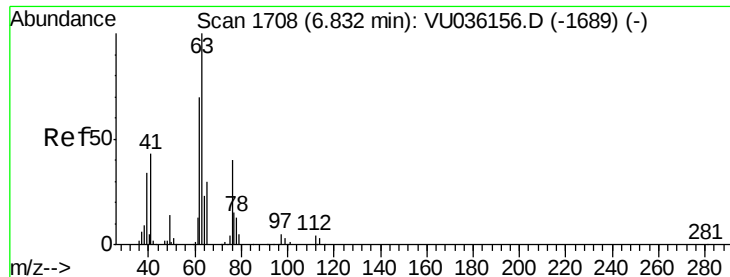


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

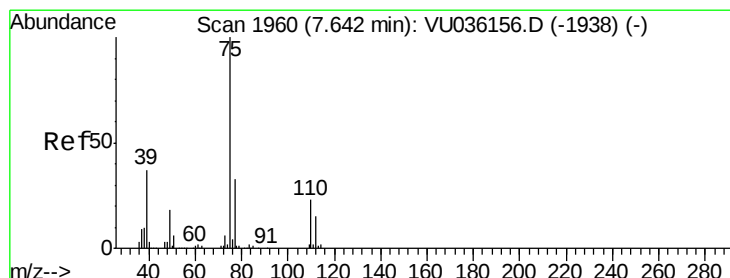
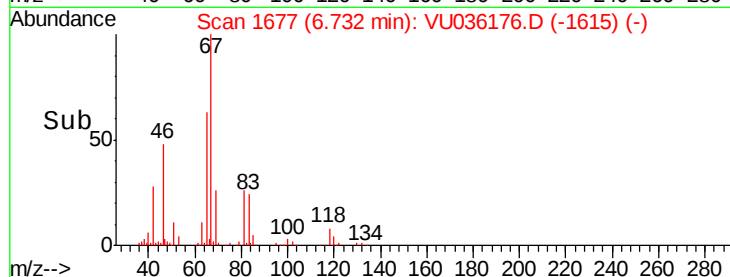
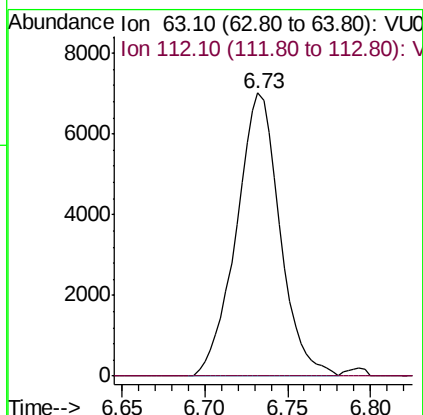
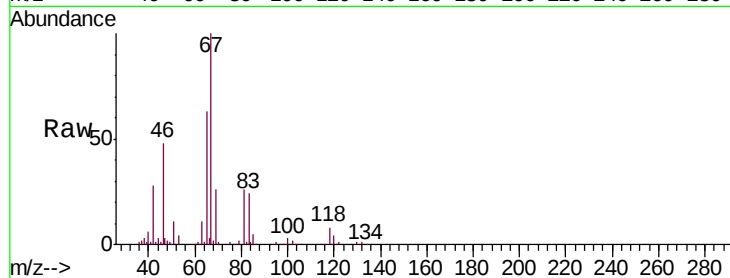




#37
 1,2-Dichloropropane
 Concen: 0.550 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU036176.D
 Acq: 13 Dec 2019 02:27

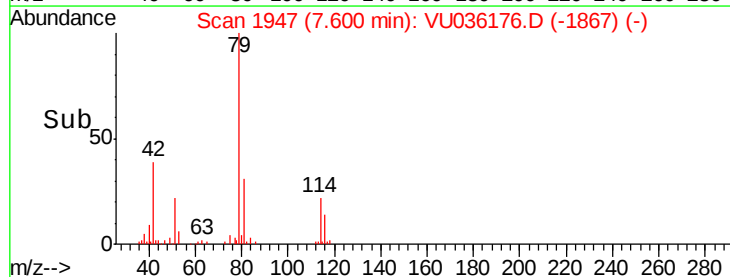
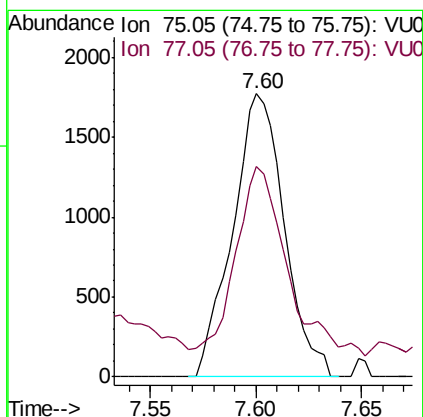
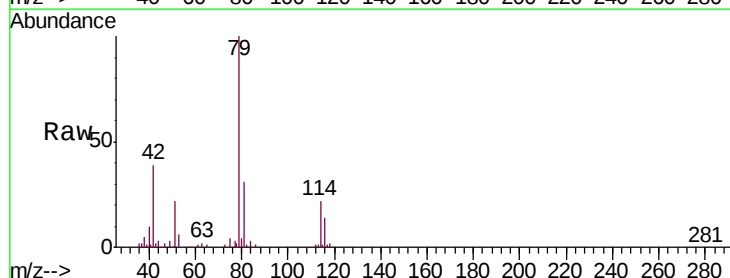
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDR6

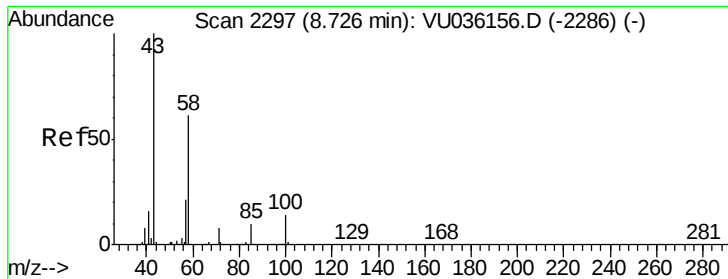
Tgt Ion: 63 Resp: 12835
 Ion Ratio Lower Upper
 63 100
 112 0.6 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: VU036176.D
 Acq: 13 Dec 2019 02:27

Tgt Ion: 75 Resp: 3015
 Ion Ratio Lower Upper
 75 100
 77 74.4 22.3 41.5#

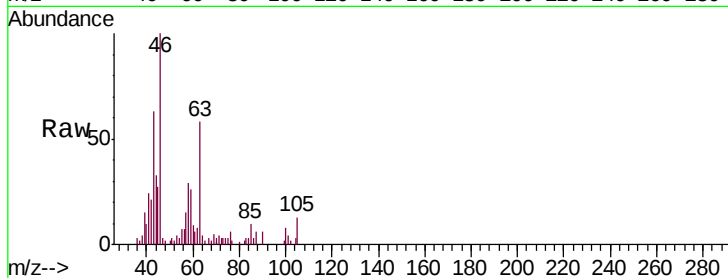




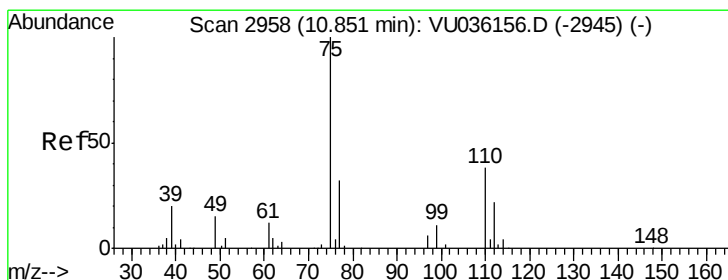
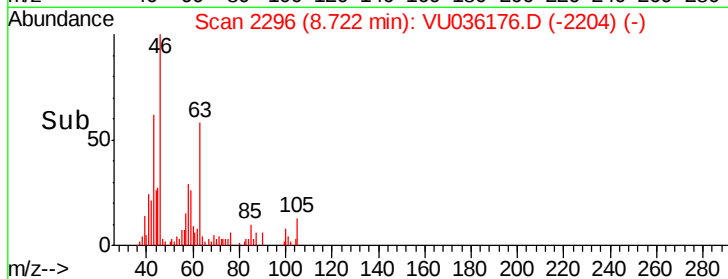
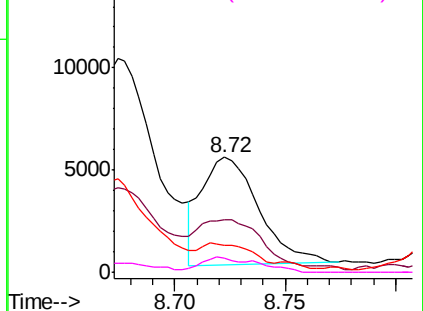
#48
 2-Hexanone
 Concen: 1.103 ug/L
 RT: 8.72 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: VU036176.D
 Acq: 13 Dec 2019 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDR6

Tgt Ion:	43	Resp:	9528
Ion	Ratio	Lower	Upper
43	100		
58	50.8	48.6	72.8
57	17.6	16.7	25.1
100	13.9	10.6	15.8

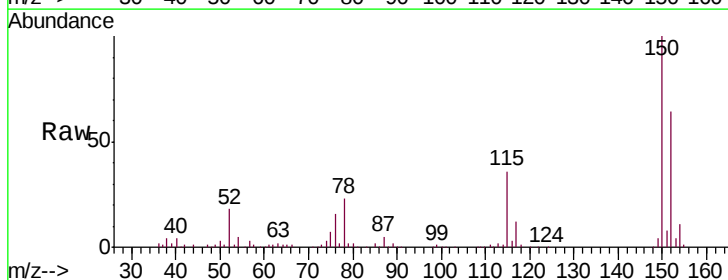


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 57.20 (56.90 to 57.90): VU0
 Ion 100.15 (99.85 to 100.85): VU0



#59
 1,2,3-Trichloropropane
 Concen: 0.849 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.98 min
 Lab File: VU036176.D
 Acq: 13 Dec 2019 02:27

Tgt Ion:	75	Resp:	13055
Ion	Ratio	Lower	Upper
75	100		
77	34.8	26.6	39.8



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

