

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121319\
 Data File : VU036202.D
 Acq On : 13 Dec 2019 17:39
 Operator : JC/MD
 Sample : K6273-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDR2

Quant Time: Dec 14 01:21:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 14 01:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	251827	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	272082	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	119213	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	107225	4.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.80%
7) Chloroethane-d5	1.93	69	96178	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.59	63	108577	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.70	46	234691	56.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.98%
24) Chloroform-d	5.11	84	167188	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.75	65	95183	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.77	84	313738	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.73	67	105752	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.93	98	265571	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	8.21	79	44072	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
46) 2-Hexanone-d5	8.67	63	196567	57.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.96%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	101363	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	115742	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

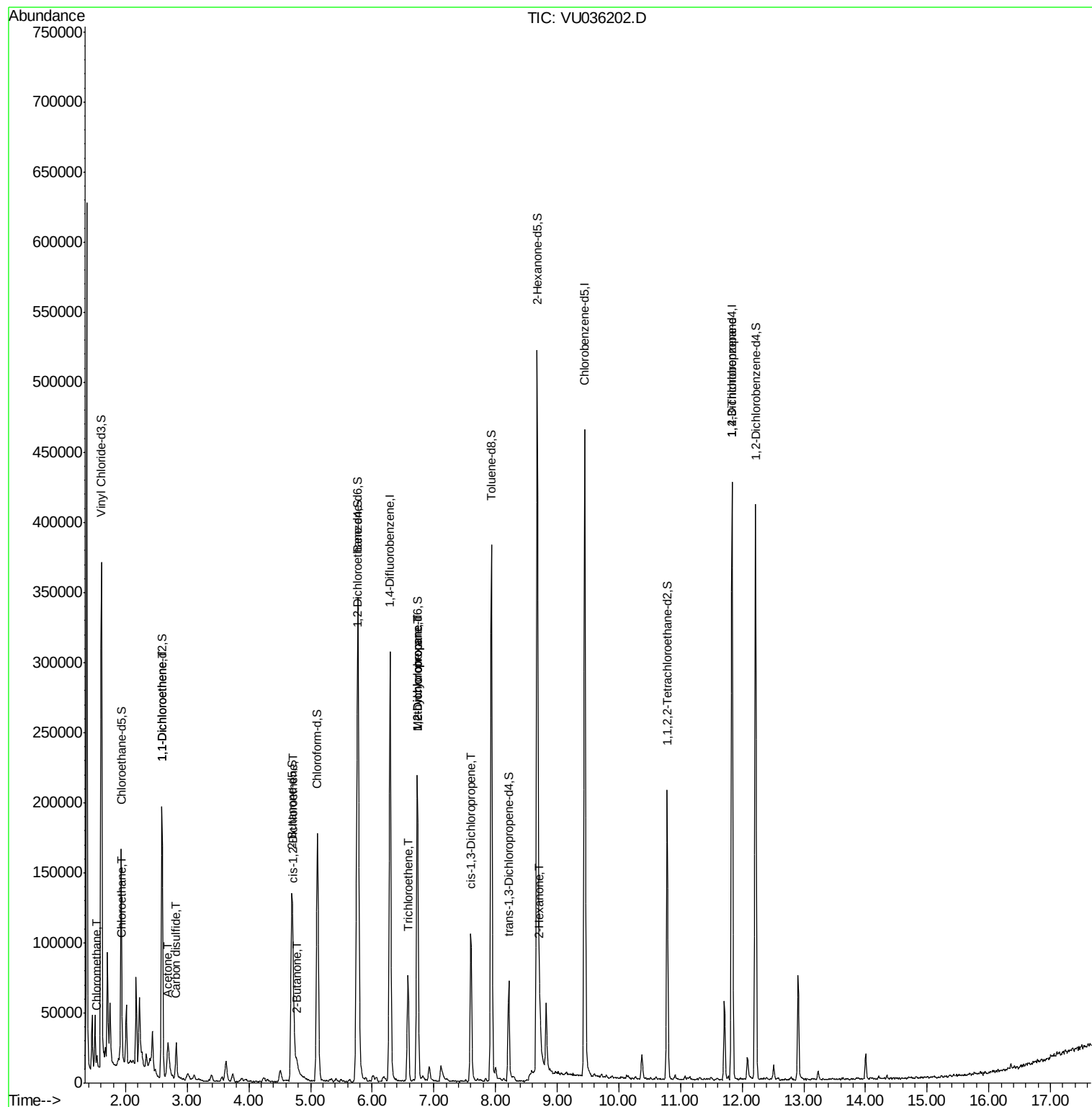
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.54	50	5645	0.160	ug/L #	82
8) Chloroethane	1.95	64	1861	0.093	ug/L	96
12) 1,1-Dichloroethene	2.59	96	1140	0.061	ug/L #	1
13) Acetone	2.68	43	49981	13.804	ug/L	95
14) Carbon disulfide	2.82	76	33299	0.531	ug/L	100
21) 2-Butanone	4.78	43	9030	1.866	ug/L #	70
22) cis-1,2-Dichloroethene	4.72	96	3106	0.148	ug/L	99
34) Trichloroethene	6.58	95	25488	1.182	ug/L	96
35) Methylcyclohexane	6.73	83	26205	0.855	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	11066	0.519	ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	3153	0.108	ug/L #	58
48) 2-Hexanone	8.72	43	9747	1.170	ug/L #	87
59) 1,2,3-Trichloropropane	11.83	75	13261	0.935	ug/L	97

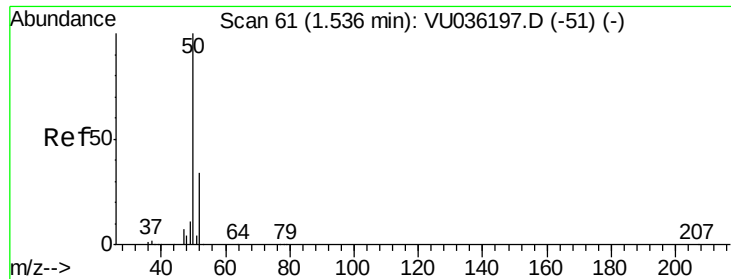
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 14 01:19:01 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.160 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036202.D

Acq: 13 Dec 2019 17:39

Instrument :

MSVOA_U

ClientSampleId :

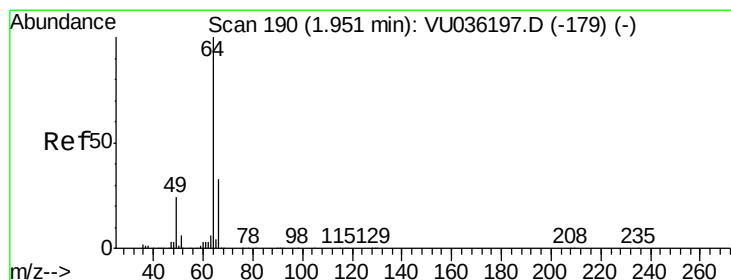
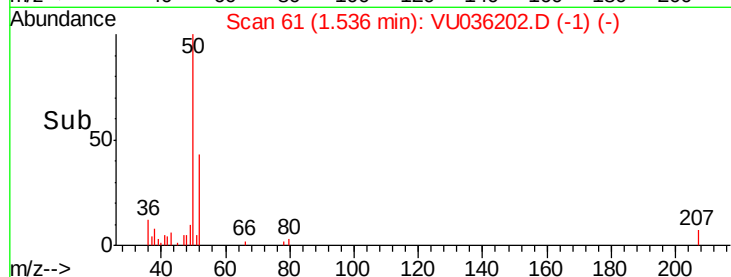
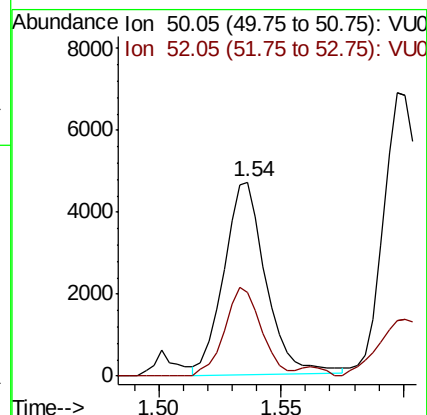
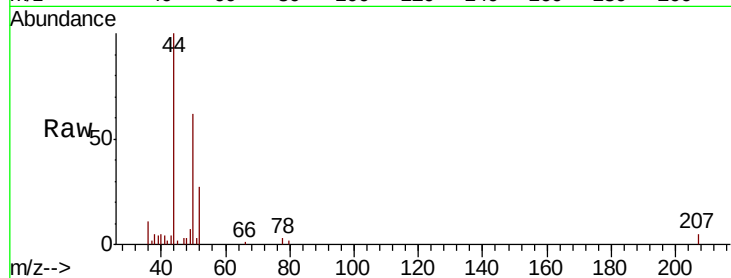
BFDR2

Tot Ion: 50 Resp: 5645

Ion Ratio Lower Upper

50 100

52 43.4 23.1 42.9#



#8

Chloroethane

Concen: 0.093 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036202.D

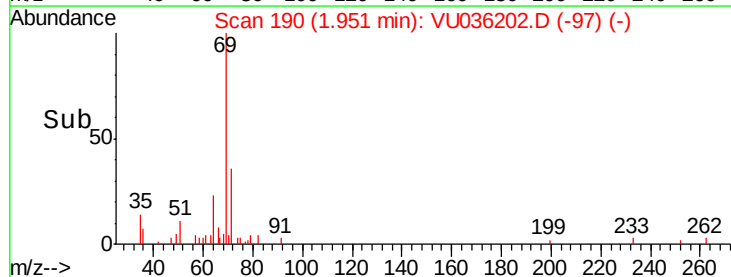
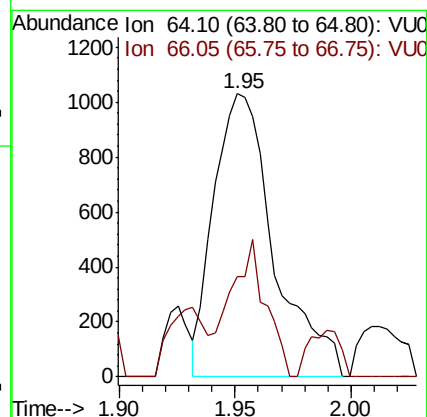
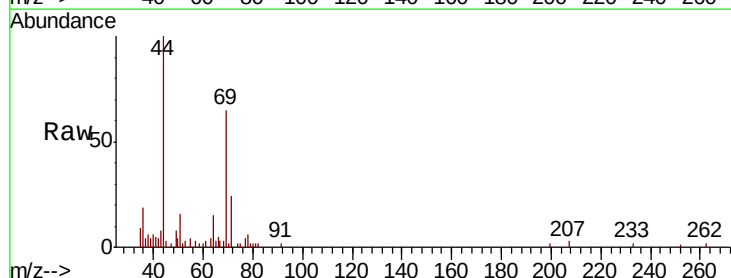
Acq: 13 Dec 2019 17:39

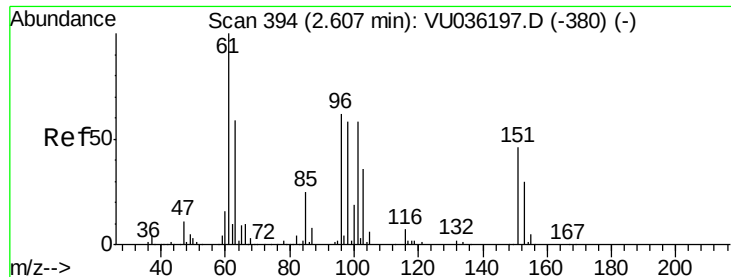
Tgt Ion: 64 Resp: 1861

Ion Ratio Lower Upper

64 100

66 35.5 23.1 42.9

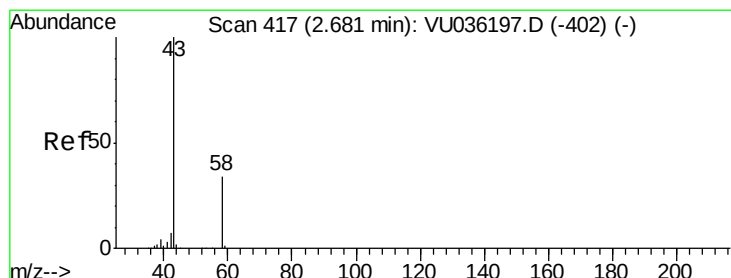
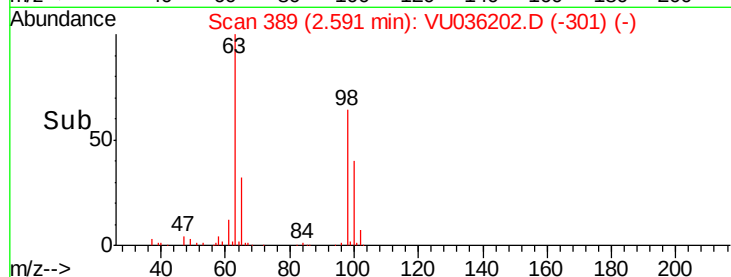
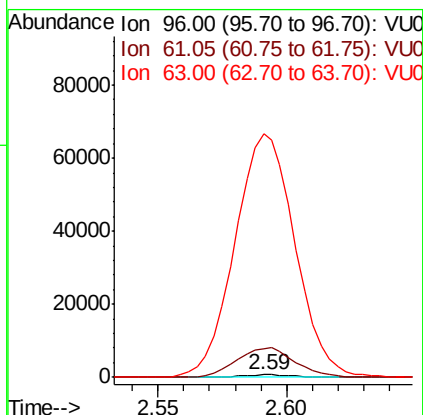
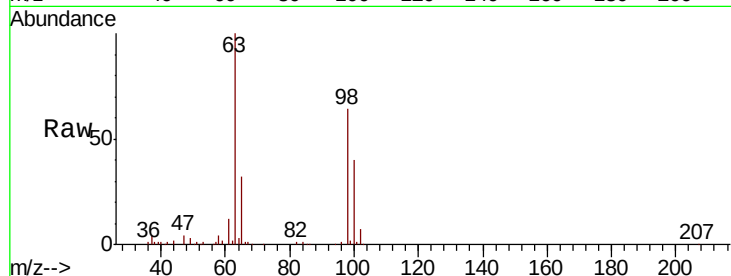




#12
 1,1-Dichloroethene
 Concen: 0.061 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. -0.02 min
 Lab File: VU036202.D
 Acq: 13 Dec 2019 17:39

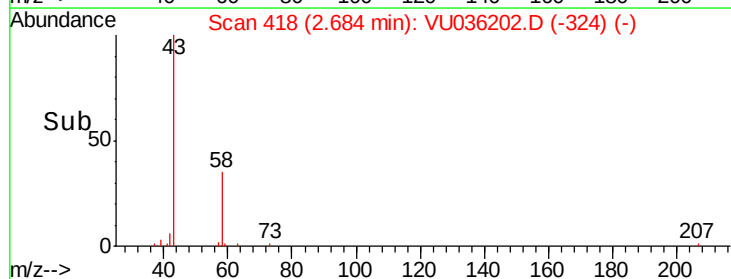
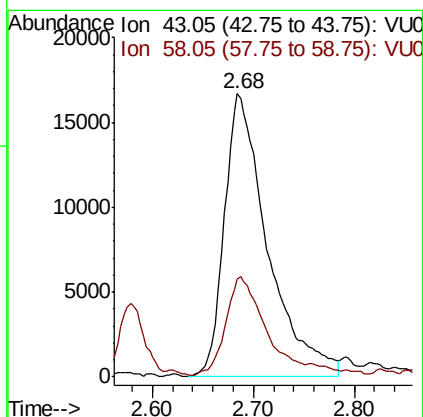
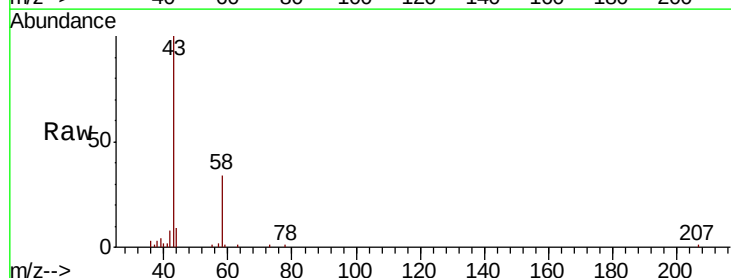
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDR2

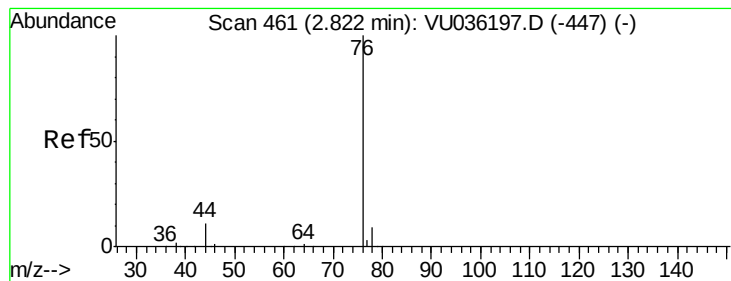
Tot Ion: 96 Resp: 1140
 Ion Ratio Lower Upper
 96 100
 61 1150.1 114.0 211.8#
 63 9590.8 63.6 118.0#



#13
 Acetone
 Concen: 13.804 ug/L
 RT: 2.68 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: VU036202.D
 Acq: 13 Dec 2019 17:39

Tgt Ion: 43 Resp: 49981
 Ion Ratio Lower Upper
 43 100
 58 31.2 0.0 67.6





#14

Carbon disulfide

Concen: 0.531 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036202.D

Acq: 13 Dec 2019 17:39

Instrument :

MSVOA_U

ClientSampleId :

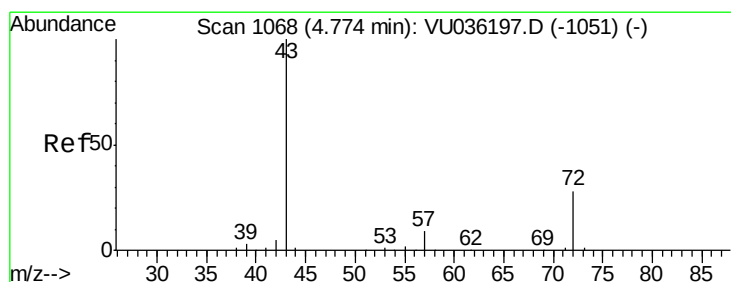
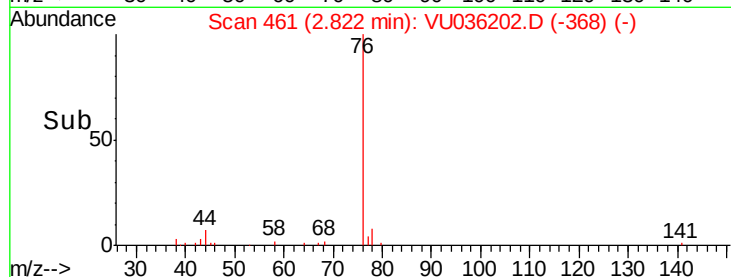
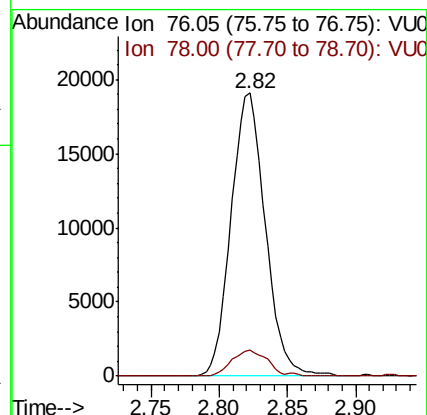
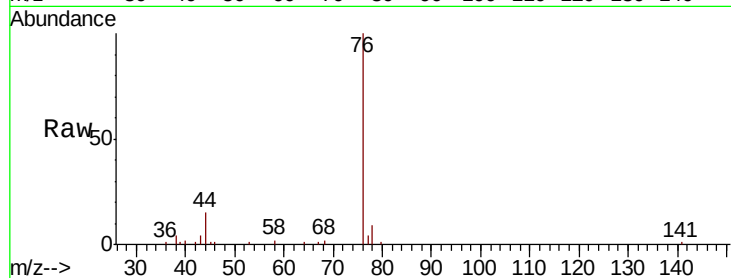
BFDR2

Tot Ion: 76 Resp: 33299

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



#21

2-Butanone

Concen: 1.866 ug/L

RT: 4.78 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU036202.D

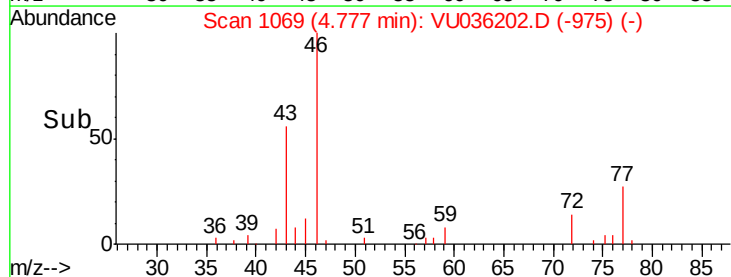
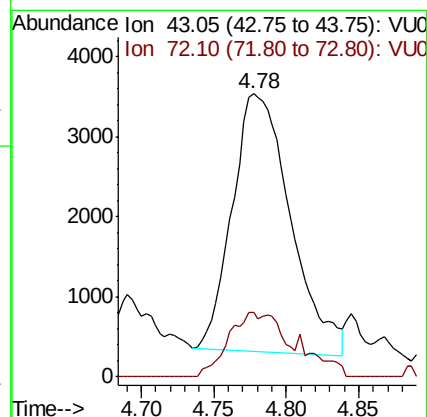
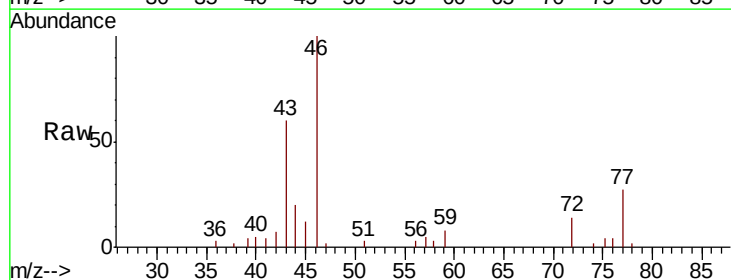
Acq: 13 Dec 2019 17:39

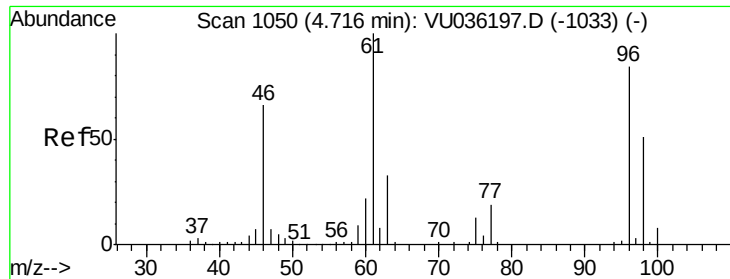
Tgt Ion: 43 Resp: 9030

Ion Ratio Lower Upper

43 100

72 13.0 14.4 43.4#





#22

cis-1,2-Dichloroethene

Concen: 0.148 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU036202.D

Acq: 13 Dec 2019 17:39

Instrument :

MSVOA_U

ClientSampleId :

BFDR2

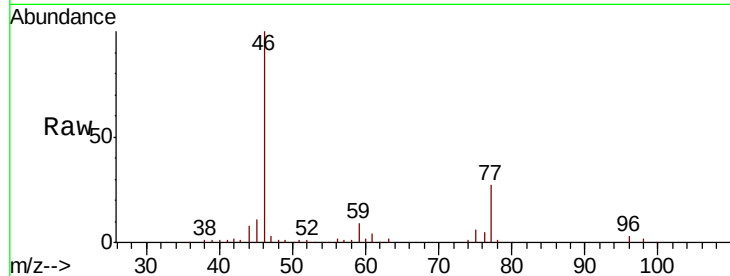
Tot Ion: 96 Resp: 3106

Ion Ratio Lower Upper

96 100

61 122.9 86.7 161.1

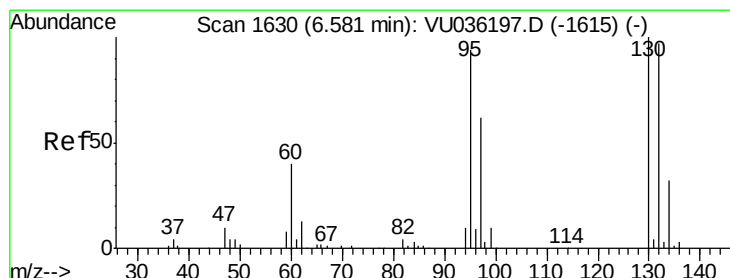
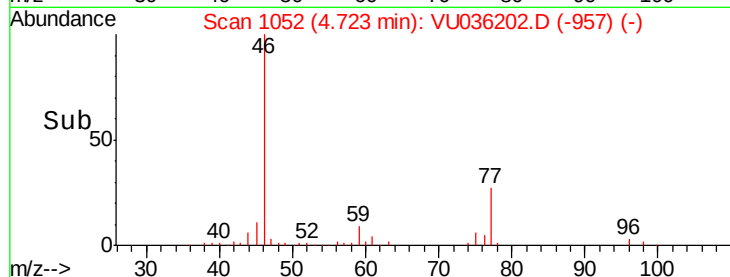
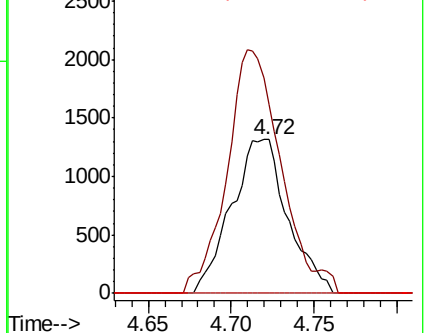
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036197.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU036197.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU036197.D (-1033) (-)



#34

Trichloroethene

Concen: 1.182 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036202.D

Acq: 13 Dec 2019 17:39

Tgt Ion: 95 Resp: 25488

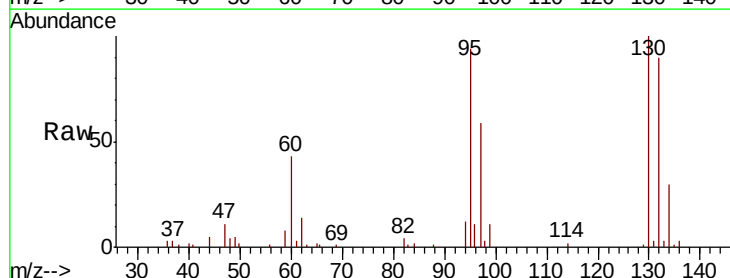
Ion Ratio Lower Upper

95 100

97 62.7 43.6 81.0

132 96.2 69.6 129.2

130 106.4 70.3 130.7

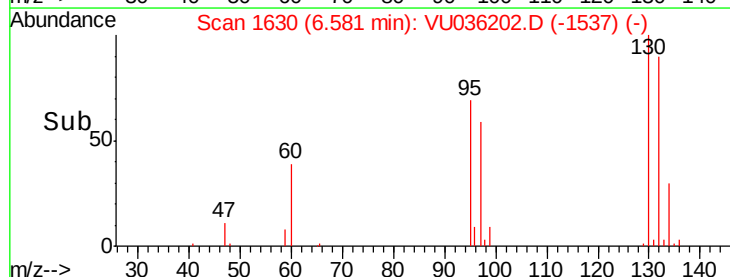
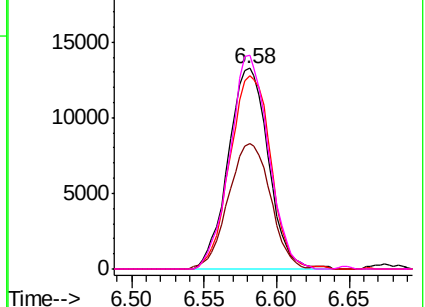


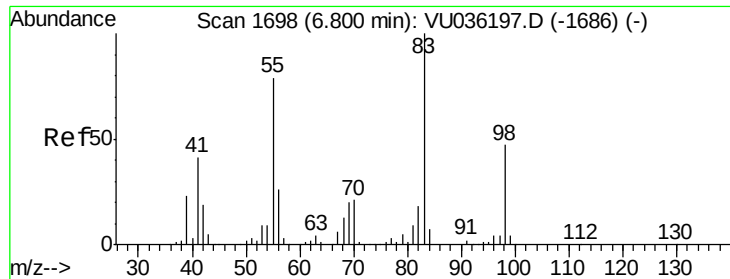
Abundance Ion 95.00 (94.70 to 95.70): VU036197.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU036197.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU036197.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU036197.D (-1615) (-)

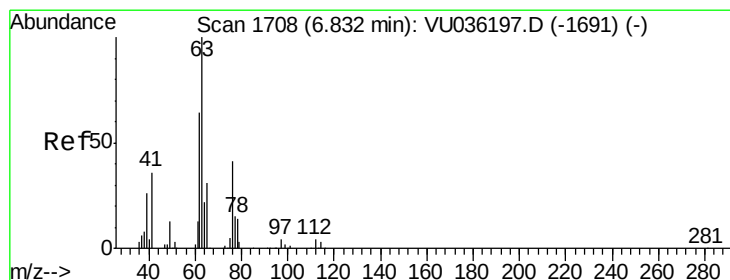
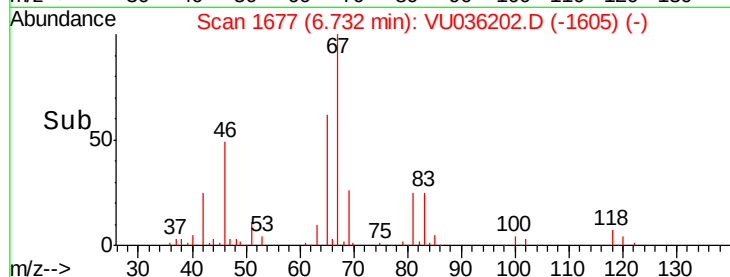
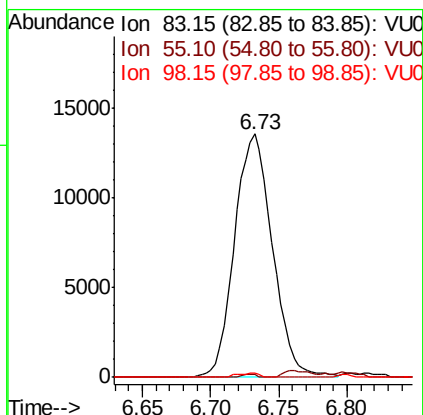
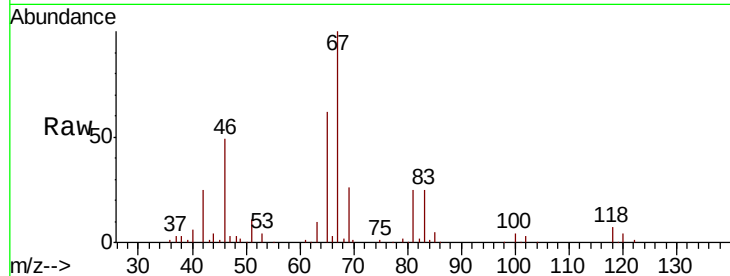




#35
Methylvlcyclohexane
Concen: 0.855 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036202.D
Acq: 13 Dec 2019 17:39

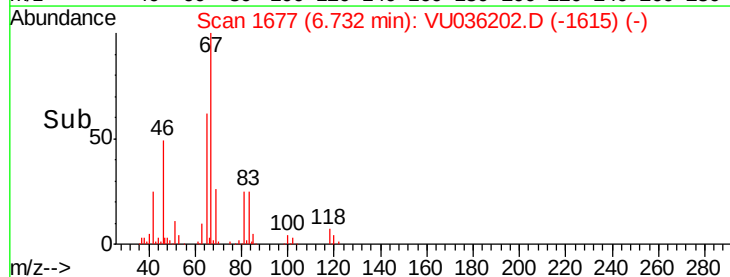
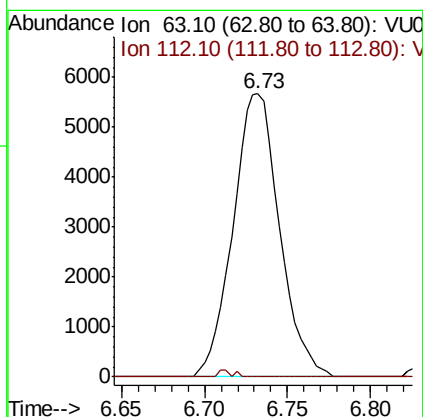
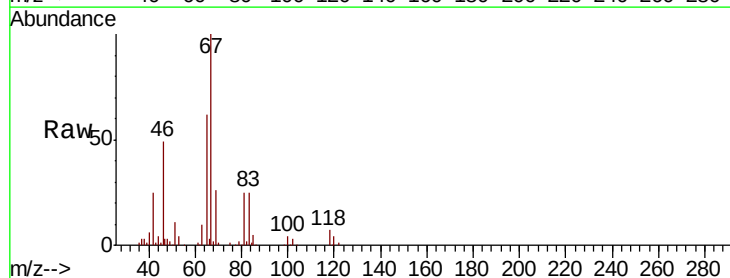
Instrument :
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ClientSampleId :
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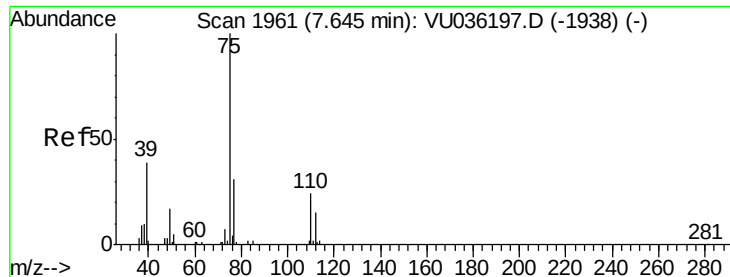
Tot Ion	Ratio	Lower	Upper
83	100		
55	0.4	62.6	94.0#
98	0.9	36.2	54.2#



#37
1,2-Dichloropropane
Concen: 0.519 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU036202.D
Acq: 13 Dec 2019 17:39

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.6	3.8	5.8#





#39

cis-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU036202.D

Acq: 13 Dec 2019 17:39

Instrument :

MSVOA_U

ClientSampleId :

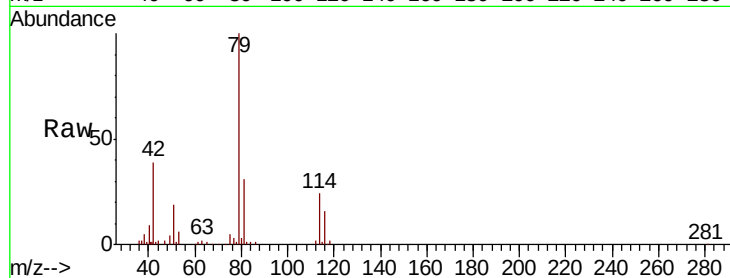
BFDR2

Tot Ion: 75 Resp: 3153

Ion Ratio Lower Upper

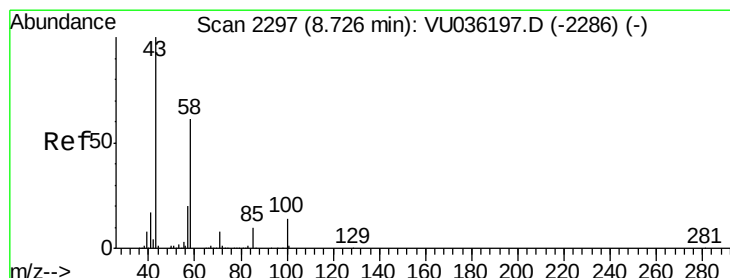
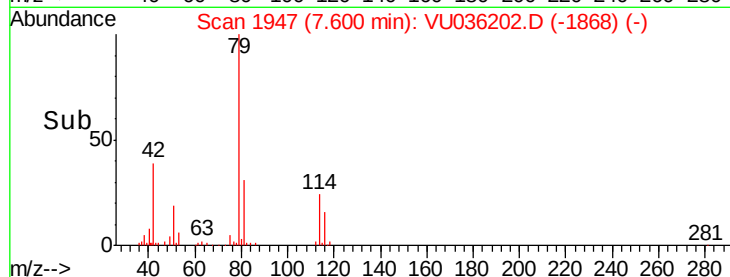
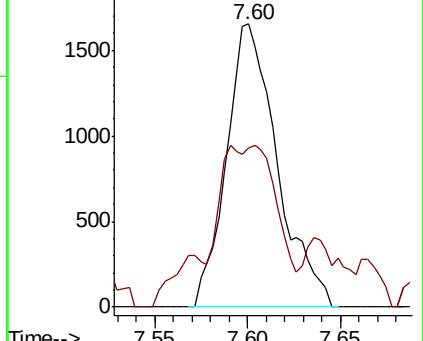
75 100

77 56.1 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU036197.D (-1938) (-)

Ion 77.05 (76.75 to 77.75): VU036197.D (-1938) (-)



#48

2-Hexanone

Concen: 1.170 ug/L

RT: 8.72 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU036202.D

Acq: 13 Dec 2019 17:39

Tgt Ion: 43 Resp: 9747

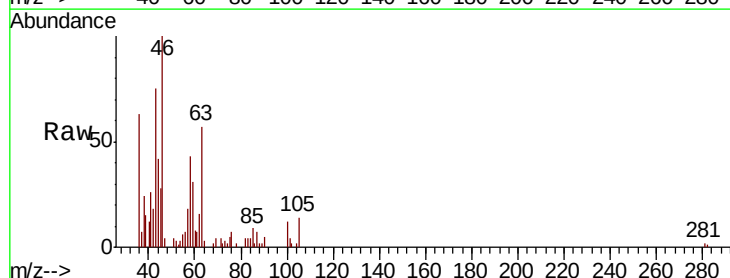
Ion Ratio Lower Upper

43 100

58 55.1 46.2 69.2

57 0.0 16.2 24.4#

100 16.9 10.2 15.4#

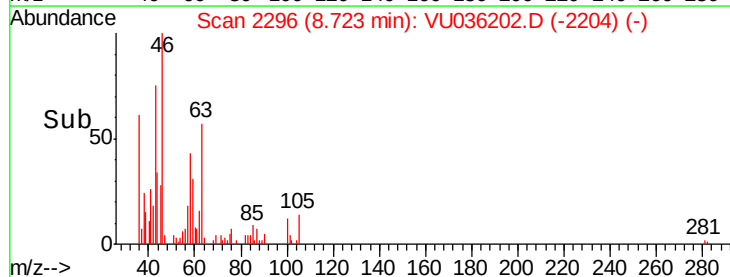
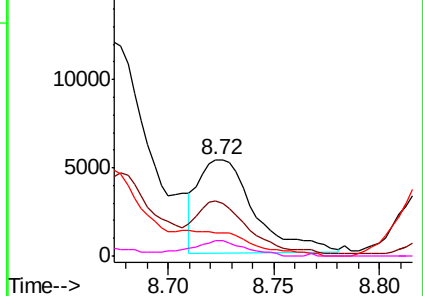


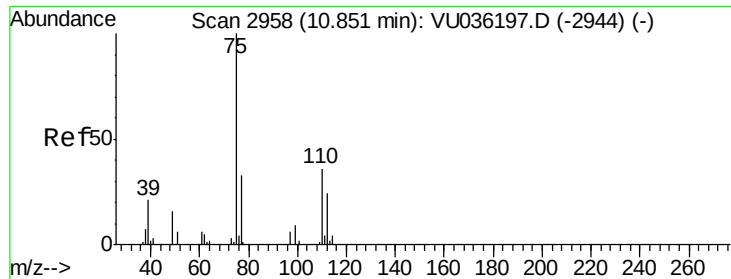
Abundance Ion 43.05 (42.75 to 43.75): VU036197.D (-2286) (-)

Ion 58.05 (57.75 to 58.75): VU036197.D (-2286) (-)

Ion 57.20 (56.90 to 57.90): VU036197.D (-2286) (-)

Ion 100.15 (99.85 to 100.85): VU036197.D (-2286) (-)





#59

1,2,3-Trichloropropane

Concen: 0.935 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.98 min

Lab File: VU036202.D

Acq: 13 Dec 2019 17:39

Instrument :

MSVOA_U

ClientSampleId :

BFDR2

Tot Ion: 75 Resp: 13261

Ion Ratio Lower Upper

75 100

77 36.0 27.2 40.8

