

Data File : VU036288.D
Acq On : 19 Dec 2019 17:23
Operator : JC/MD
Sample : K6282-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDW3

Quant Time: Dec 20 03:17:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 03:13:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	267440	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	289138	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	94637	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	117123	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.93	69	107007	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.60	63	120600	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	4.68	46	198622	45.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.04%
24) Chloroform-d	5.11	84	166159	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.75	65	88051	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.77	84	325876	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.73	67	103683	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.93	98	262029	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.60%
43) trans-1,3-Dichloropropene-	8.21	79	39461	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.68	63	161823	44.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.82%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	91917	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	85954	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
8) Chloroethane	1.95	64	1681	0.079 ug/L #	55
12) 1,1-Dichloroethene	2.61	96	5678	0.286 ug/L #	1
13) Acetone	2.66	43	10875	2.828 ug/L	88
14) Carbon disulfide	2.83	76	4683	0.070 ug/L #	93
15) Methyl Acetate	3.00	43	3766	0.485 ug/L #	49
17) Methyl tert-butyl Ether	3.41	73	14815	0.348 ug/L #	8
18) trans-1,2-Dichloroethene	3.39	96	2829	0.136 ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	55868	2.506 ug/L	100
34) Trichloroethene	6.58	95	654216	28.557 ug/L	98
35) Methylcyclohexane	6.73	83	25545	0.784 ug/L #	18
37) 1,2-Dichloropropane	6.73	63	11560	0.510 ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2643	0.086 ug/L #	47
47) Tetrachloroethene	8.59	164	3078	0.149 ug/L #	73
48) 2-Hexanone	8.68	43	25102	2.837 ug/L #	68
49) Dibromochloromethane	8.58	129	2018	0.096 ug/L #	12
59) 1,2,3-Trichloropropane	11.83	75	10681	0.709 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121919\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 03:13:48 2019
Response via : Initial Calibration

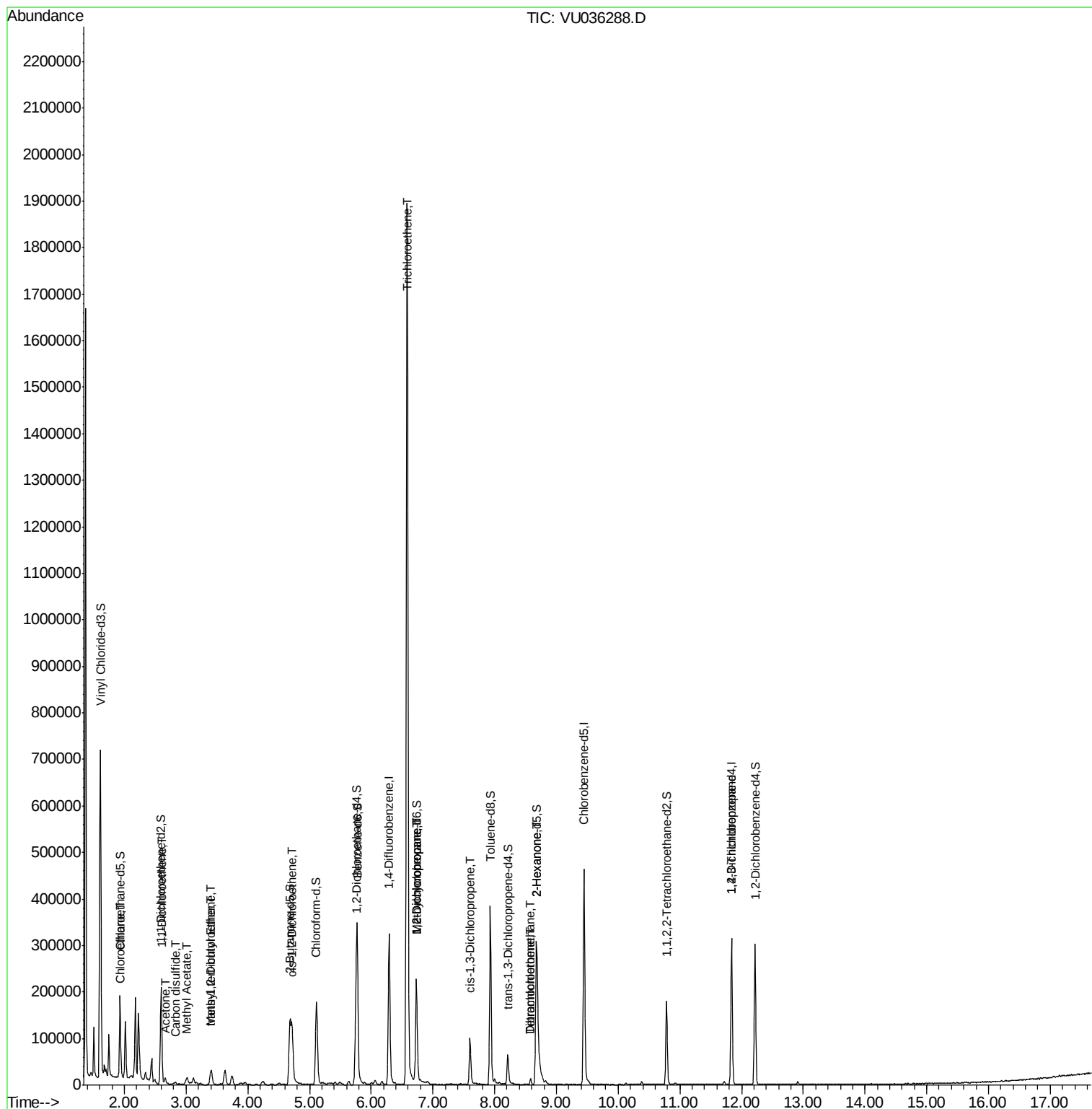
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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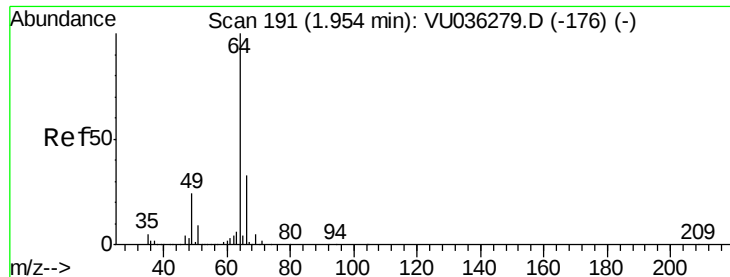
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.079 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036288.D

Acq: 19 Dec 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

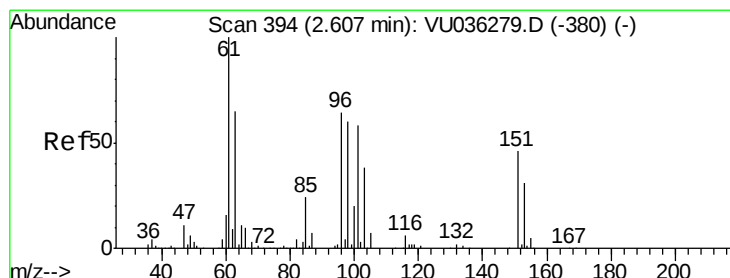
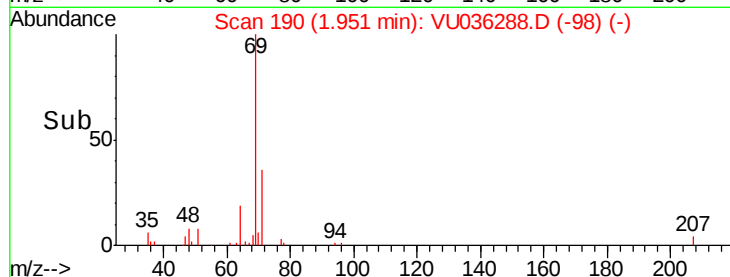
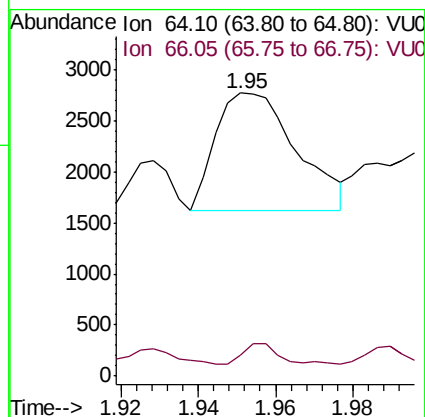
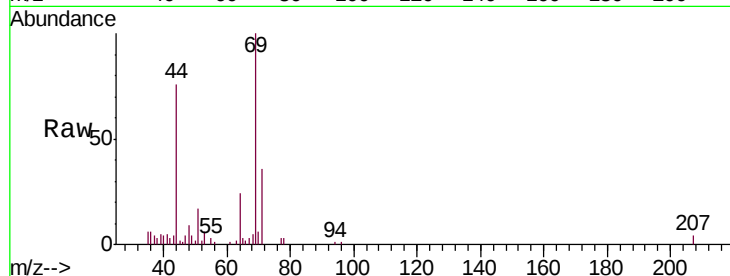
BFDW3

Tgt Ion: 64 Resp: 1681

Ion Ratio Lower Upper

64 100

66 7.6 23.1 42.9#



#12

1,1-Dichloroethene

Concen: 0.286 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU036288.D

Acq: 19 Dec 2019 17:23

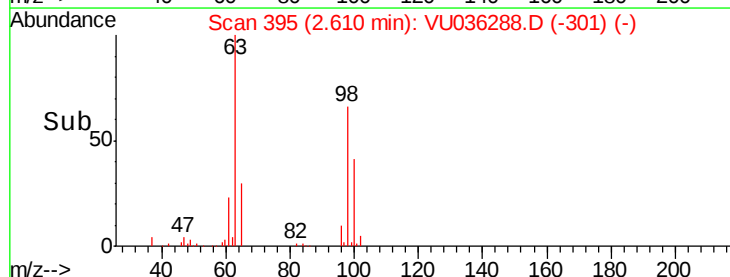
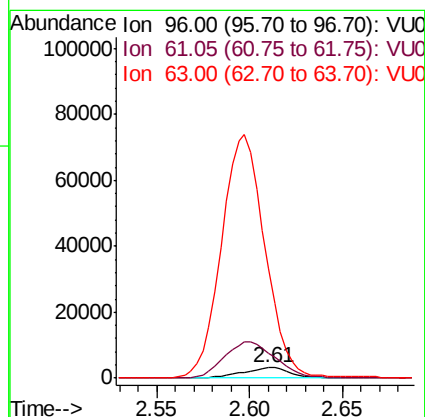
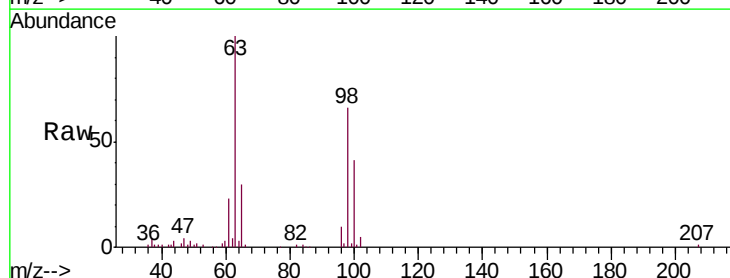
Tgt Ion: 96 Resp: 5678

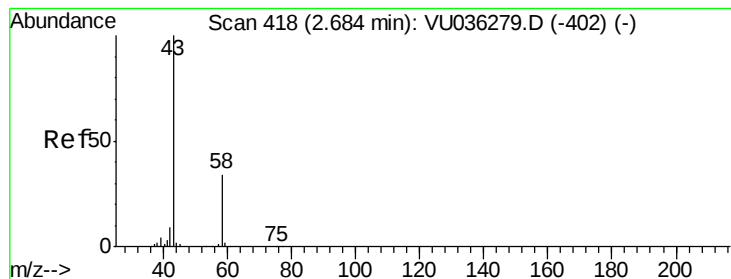
Ion Ratio Lower Upper

96 100

61 241.1 114.0 211.8#

63 1041.5 63.6 118.0#





#13

Acetone

Concen: 2.828 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU036288.D

Acq: 19 Dec 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

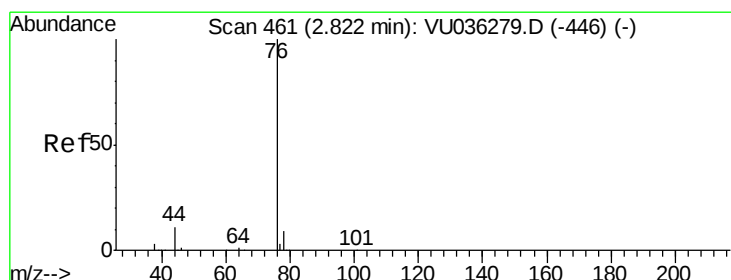
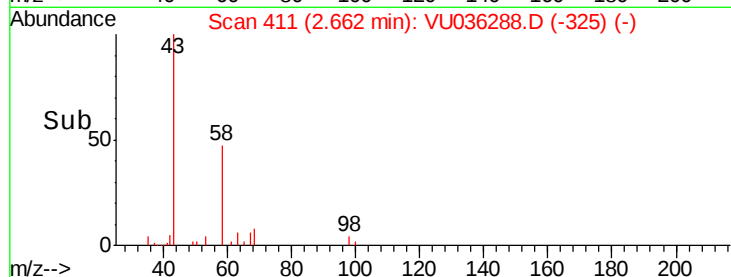
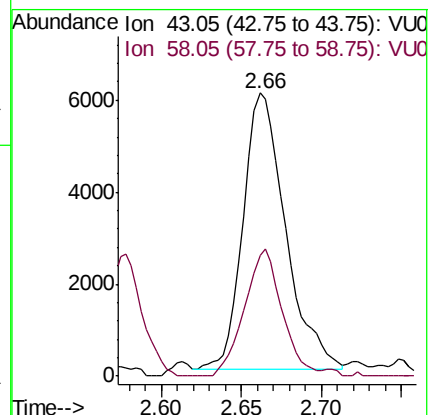
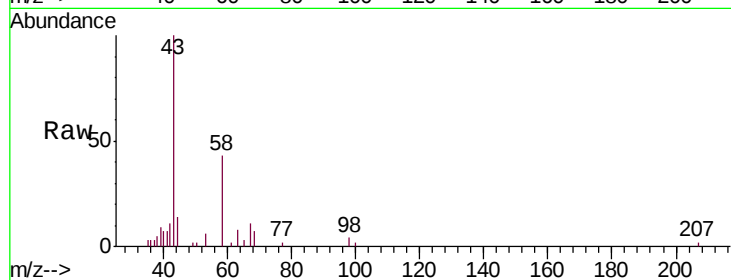
BFDW3

Tgt Ion: 43 Resp: 10875

Ion Ratio Lower Upper

43 100

58 40.8 0.0 67.6



#14

Carbon disulfide

Concen: 0.070 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU036288.D

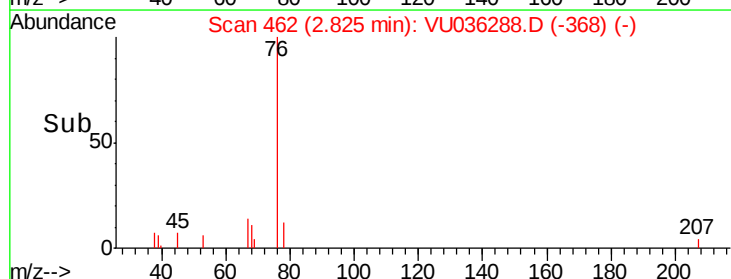
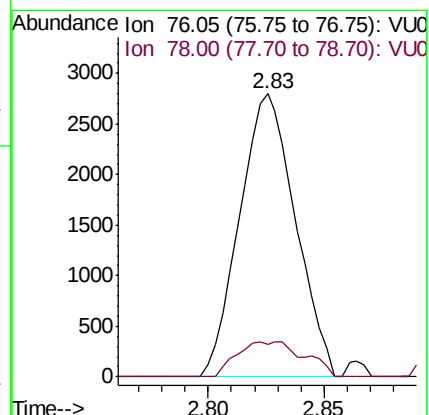
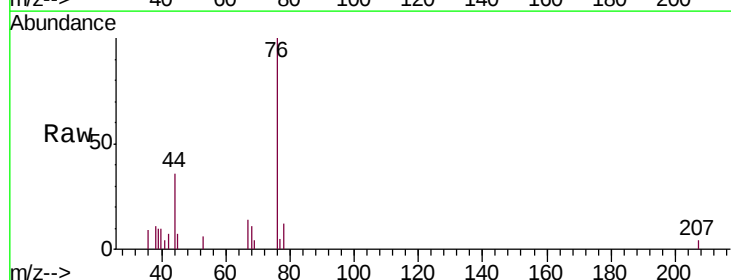
Acq: 19 Dec 2019 17:23

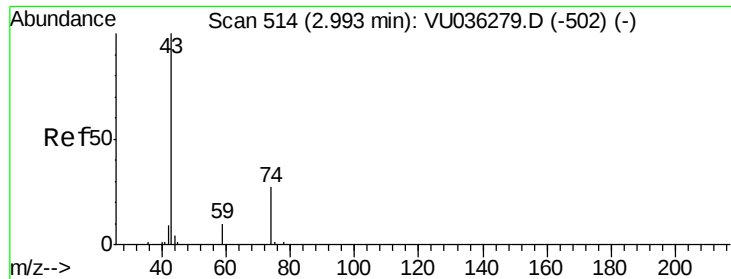
Tgt Ion: 76 Resp: 4683

Ion Ratio Lower Upper

76 100

78 11.6 7.1 10.7#

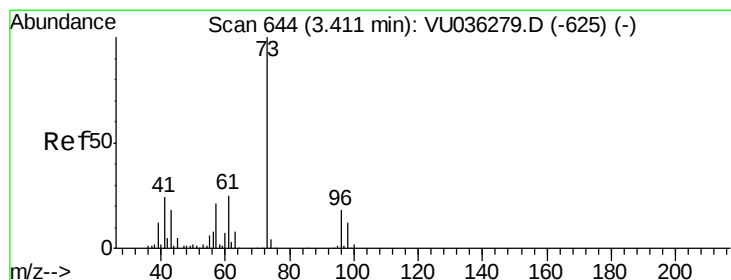
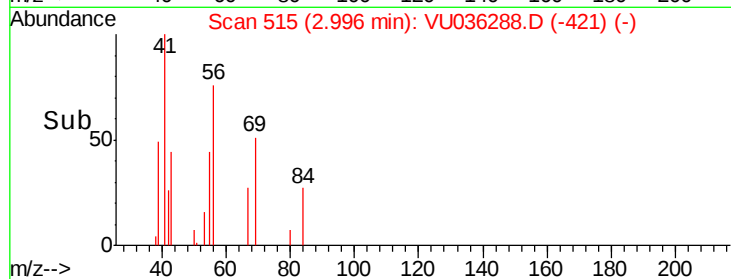
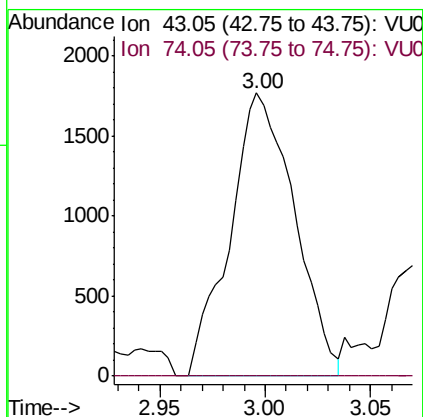
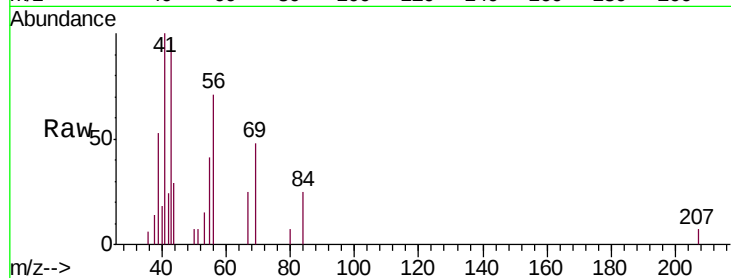




#15
Methyl Acetate
Concen: 0.485 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU036288.D
Acq: 19 Dec 2019 17:23

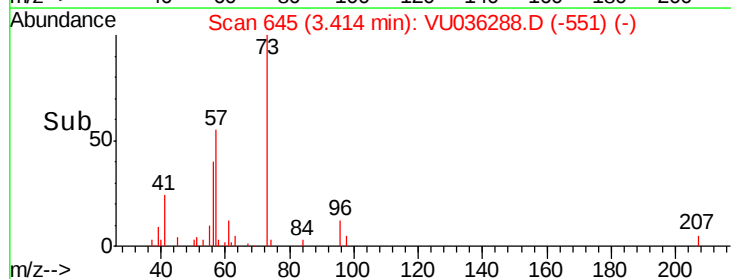
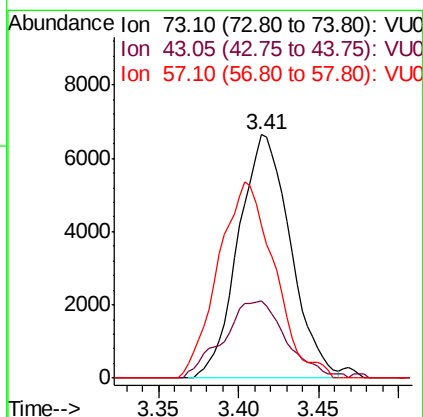
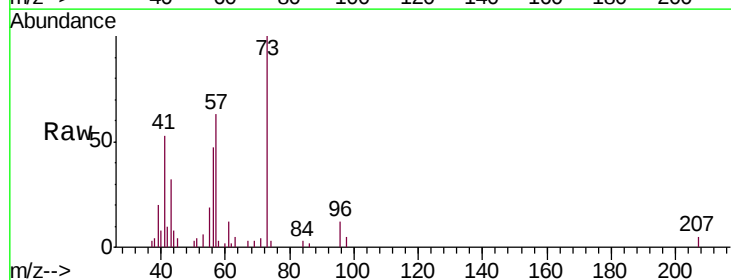
Instrument :
MSVOA_U
ClientSampleId :
BFDW3

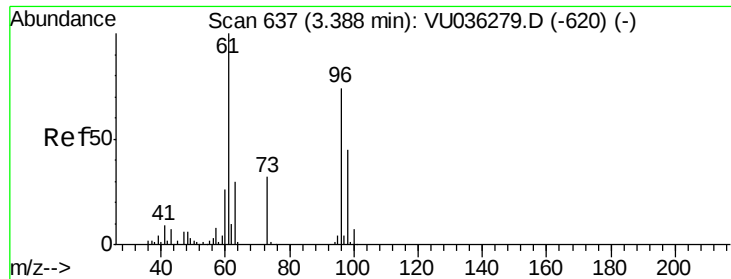
Tgt Ion: 43 Resp: 3766
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#17
Methyl tert-butyl Ether
Concen: 0.348 ug/L
RT: 3.41 min Scan# 645
Delta R.T. 0.00 min
Lab File: VU036288.D
Acq: 19 Dec 2019 17:23

Tgt Ion: 73 Resp: 14815
Ion Ratio Lower Upper
73 100
43 38.3 15.3 22.9#
57 87.1 18.2 27.2#





#18

trans-1,2-Dichloroethene

Concen: 0.136 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.01 min

Lab File: VU036288.D

Acq: 19 Dec 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

BFDW3

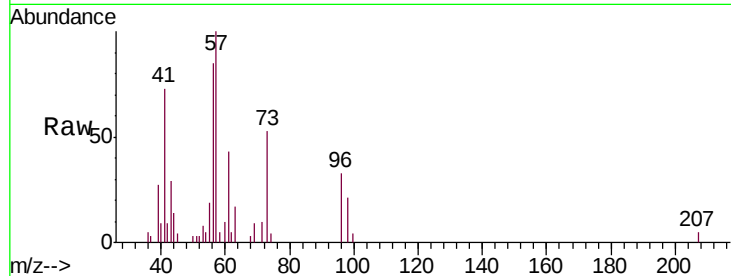
Tgt Ion: 96 Resp: 2829

Ion Ratio Lower Upper

96 100

61 133.1 94.8 176.2

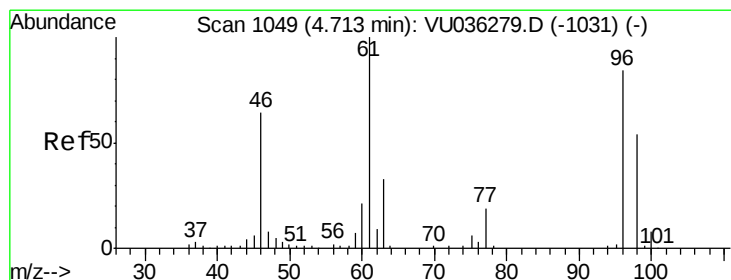
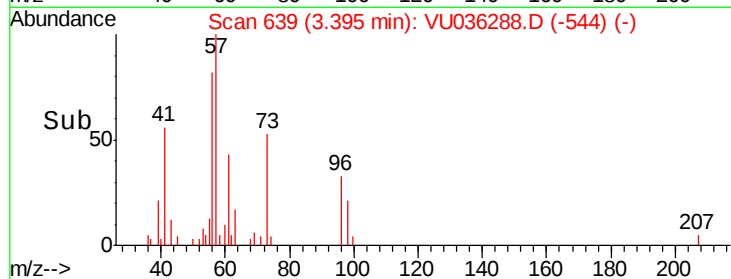
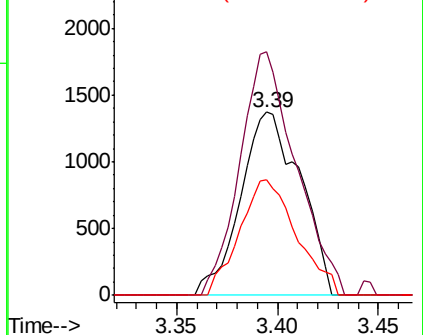
98 63.2 46.8 86.8



Abundance Ion 96.00 (95.70 to 96.70): VU036279.D (-620) (-)

Ion 61.05 (60.75 to 61.75): VU036279.D (-620) (-)

Ion 97.95 (97.65 to 98.65): VU036279.D (-620) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.506 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU036288.D

Acq: 19 Dec 2019 17:23

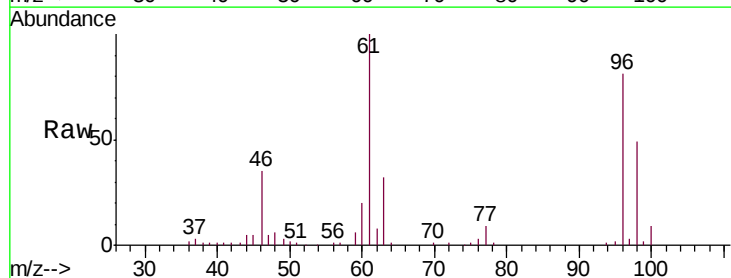
Tgt Ion: 96 Resp: 55868

Ion Ratio Lower Upper

96 100

61 123.9 86.7 161.1

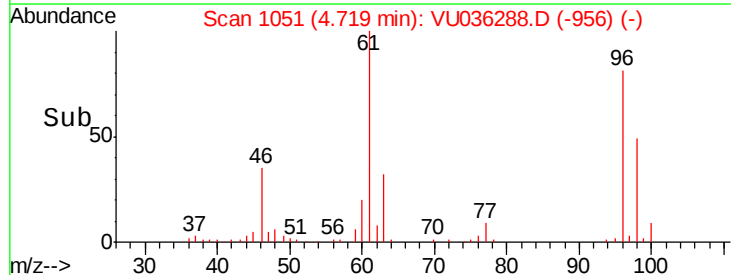
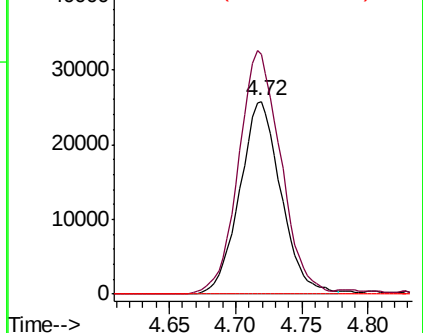
68 0.0 0.0 0.0

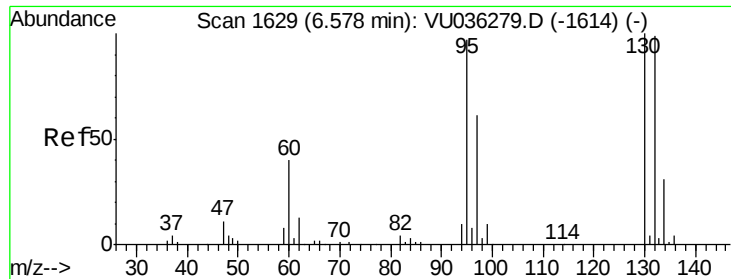


Abundance Ion 96.00 (95.70 to 96.70): VU036279.D (-1031) (-)

Ion 61.05 (60.75 to 61.75): VU036279.D (-1031) (-)

Ion 68.15 (67.85 to 68.85): VU036279.D (-1031) (-)

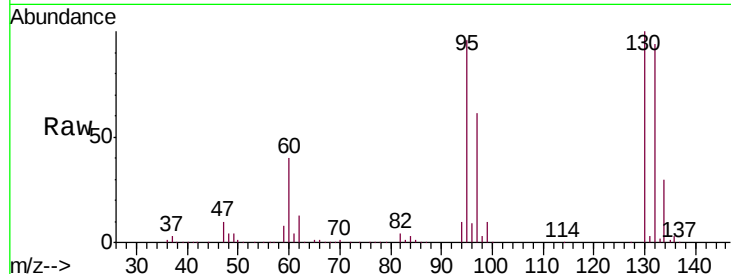




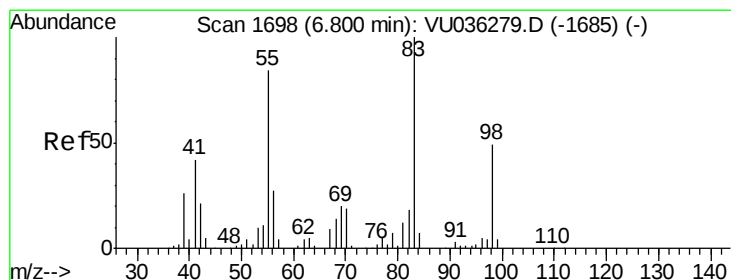
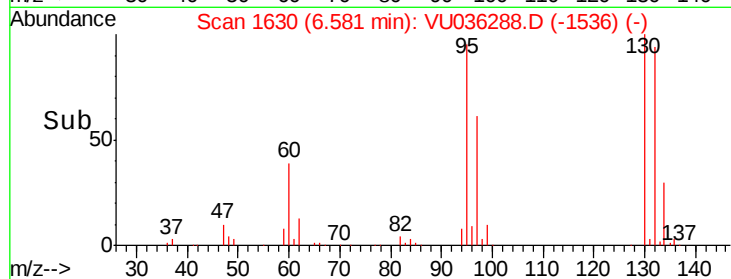
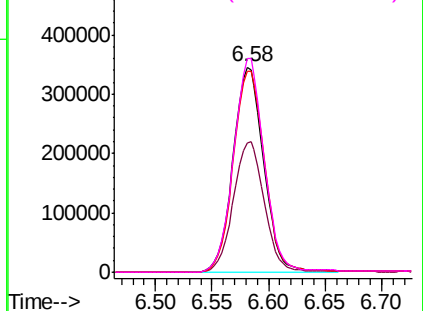
#34
 Trichloroethene
 Concen: 28.557 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036288.D
 Acq: 19 Dec 2019 17:23

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDW3

Tgt Ion: 95 Resp: 654216
 Ion Ratio Lower Upper
 95 100
 97 63.4 43.6 81.0
 132 98.3 69.6 129.2
 130 104.1 70.3 130.7

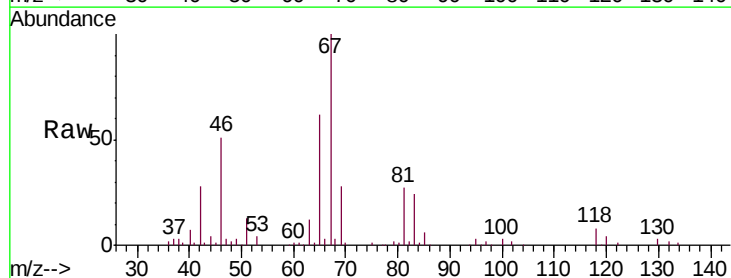


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

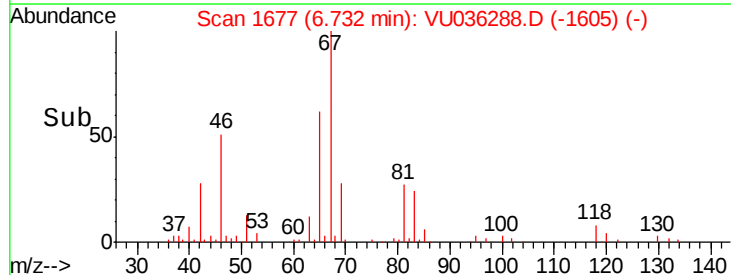
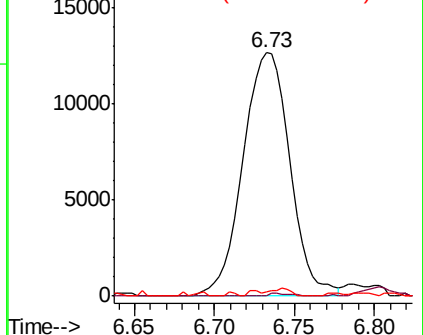


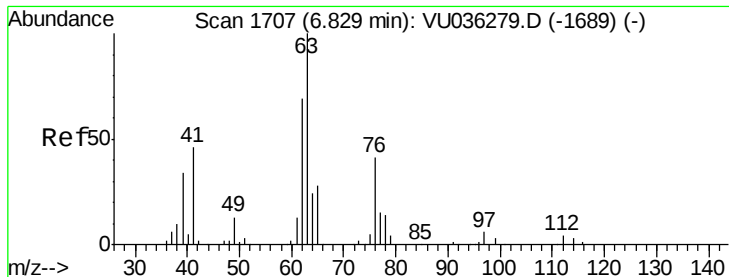
#35
 Methylcyclohexane
 Concen: 0.784 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.07 min
 Lab File: VU036288.D
 Acq: 19 Dec 2019 17:23

Tgt Ion: 83 Resp: 25545
 Ion Ratio Lower Upper
 83 100
 55 0.5 62.6 94.0#
 98 0.0 36.2 54.2#



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

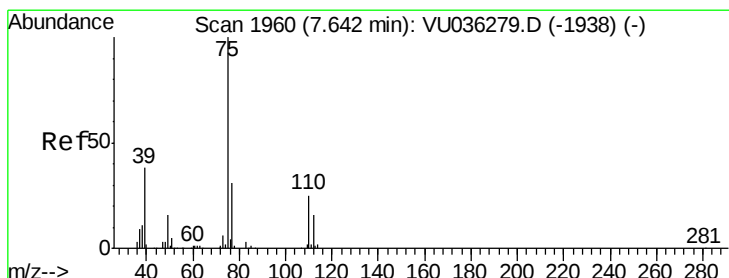
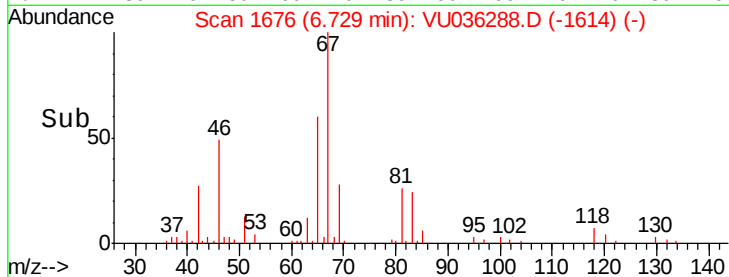
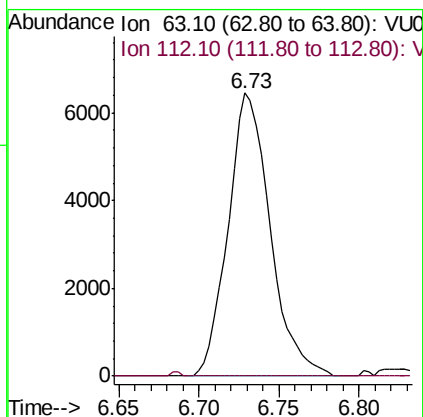
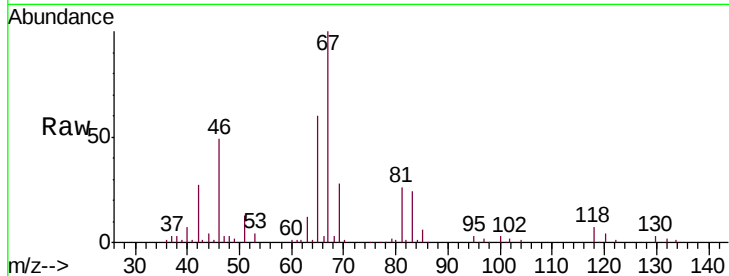




#37
 1,2-Dichloropropane
 Concen: 0.510 ug/L
 RT: 6.73 min Scan# 1676
 Delta R.T. -0.10 min
 Lab File: VU036288.D
 Acq: 19 Dec 2019 17:23

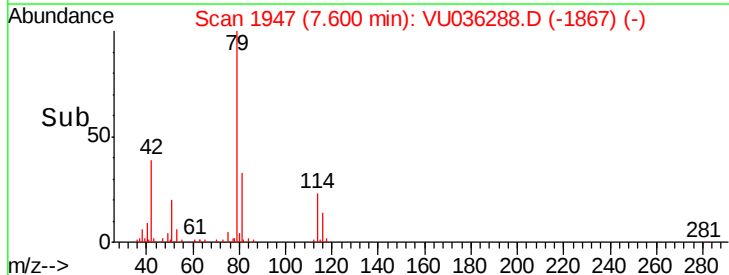
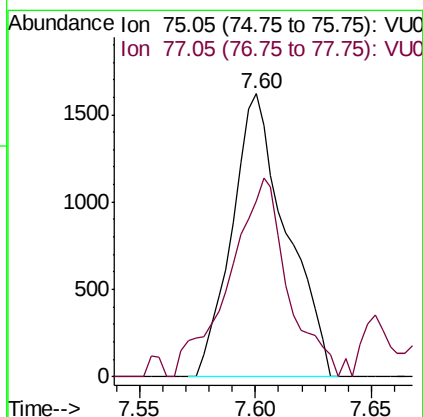
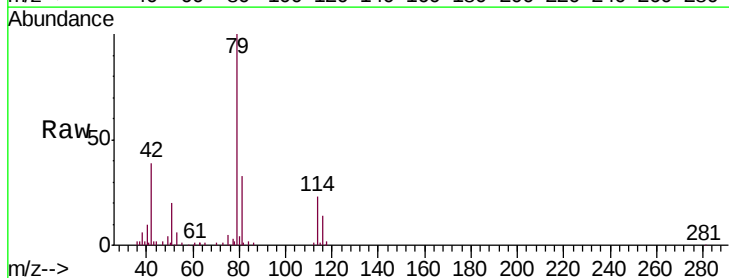
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 MSVOA_U
 ClientSampled :
 BFDW3

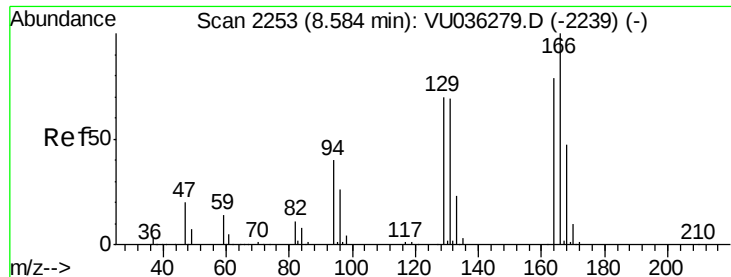
Tgt Ion: 63 Resp: 11560
 Ion Ratio Lower Upper
 63 100
 112 0.4 3.8 5.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: VU036288.D
 Acq: 19 Dec 2019 17:23

Tgt Ion: 75 Resp: 2643
 Ion Ratio Lower Upper
 75 100
 77 62.0 22.7 42.1#





#47

Tetrachloroethene

Concen: 0.149 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU036288.D

Acq: 19 Dec 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

BFDW3

Tgt Ion:164 Resp: 3078

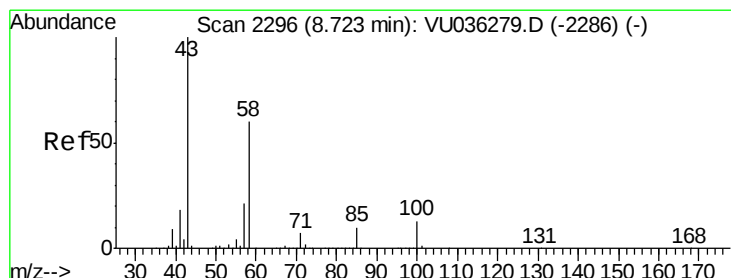
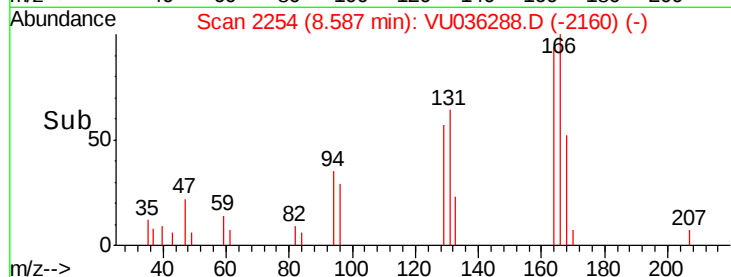
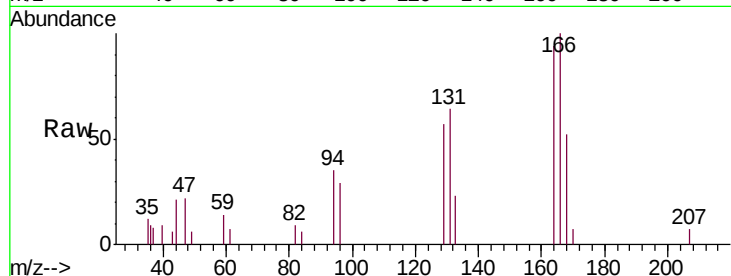
Ion Ratio Lower Upper

164 100

129 60.1 64.2 119.2#

131 68.5 66.6 123.8

166 106.3 93.1 172.9



#48

2-Hexanone

Concen: 2.837 ug/L

RT: 8.68 min Scan# 2282

Delta R.T. -0.05 min

Lab File: VU036288.D

Acq: 19 Dec 2019 17:23

Tgt Ion: 43 Resp: 25102

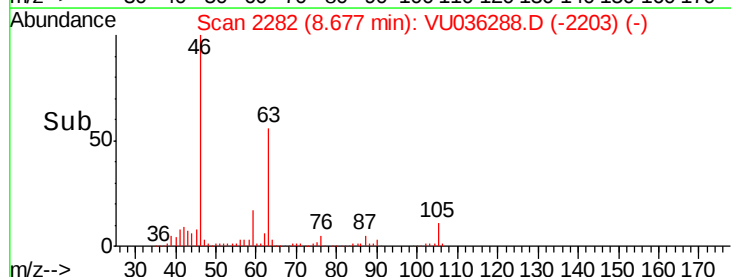
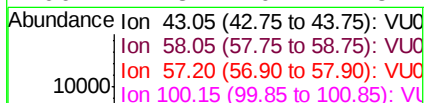
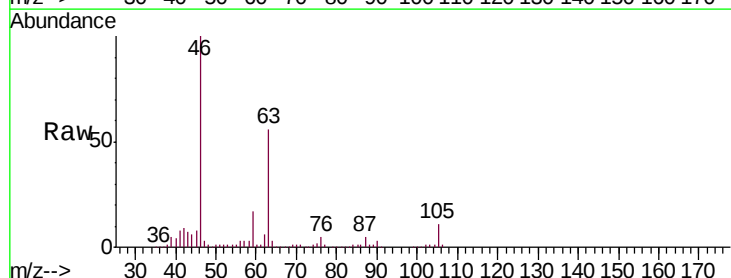
Ion Ratio Lower Upper

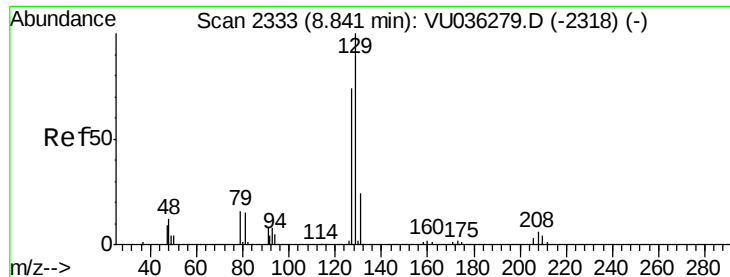
43 100

58 30.4 46.2 69.2#

57 30.6 16.2 24.4#

100 2.3 10.2 15.4#





#49

Dibromochloromethane

Concen: 0.096 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU036288.D

Acq: 19 Dec 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

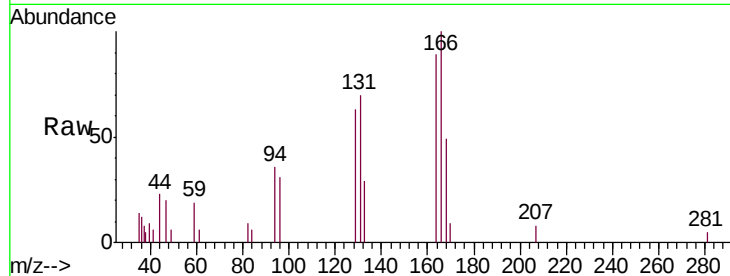
BFDW3

Tgt Ion:129 Resp: 2018

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.58

1500

1000

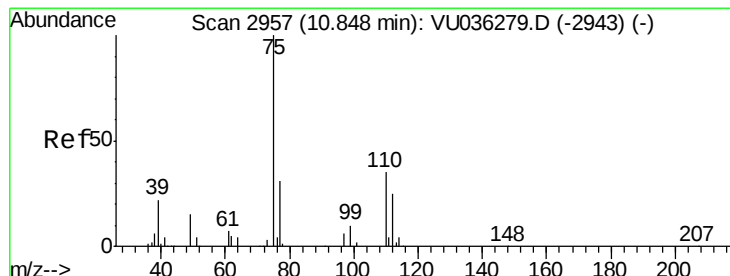
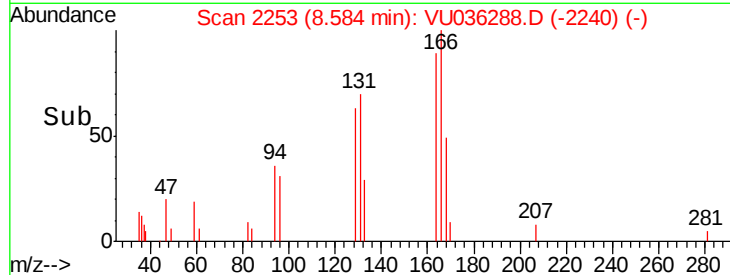
500

0

8.55

8.60

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.709 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.99 min

Lab File: VU036288.D

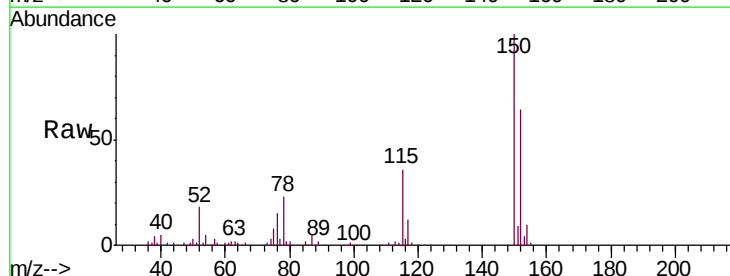
Acq: 19 Dec 2019 17:23

Tgt Ion: 75 Resp: 10681

Ion Ratio Lower Upper

75 100

77 34.5 27.2 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.83

6000

4000

2000

0

11.80

11.85

11.90

Time-->

