

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028712.D
 Acq On : 17 Dec 2018 11:40
 Operator : MD/SY
 Sample : J6439-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:05:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	79013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	139433	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	126902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	49277	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	63682	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
35) Dibromofluoromethane	4.88	113	47770	54.44	ug/l	0.00
Spiked Amount			Recovery	=	108.88%	
50) Toluene-d8	7.57	98	181531	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	10.31	95	59562	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	

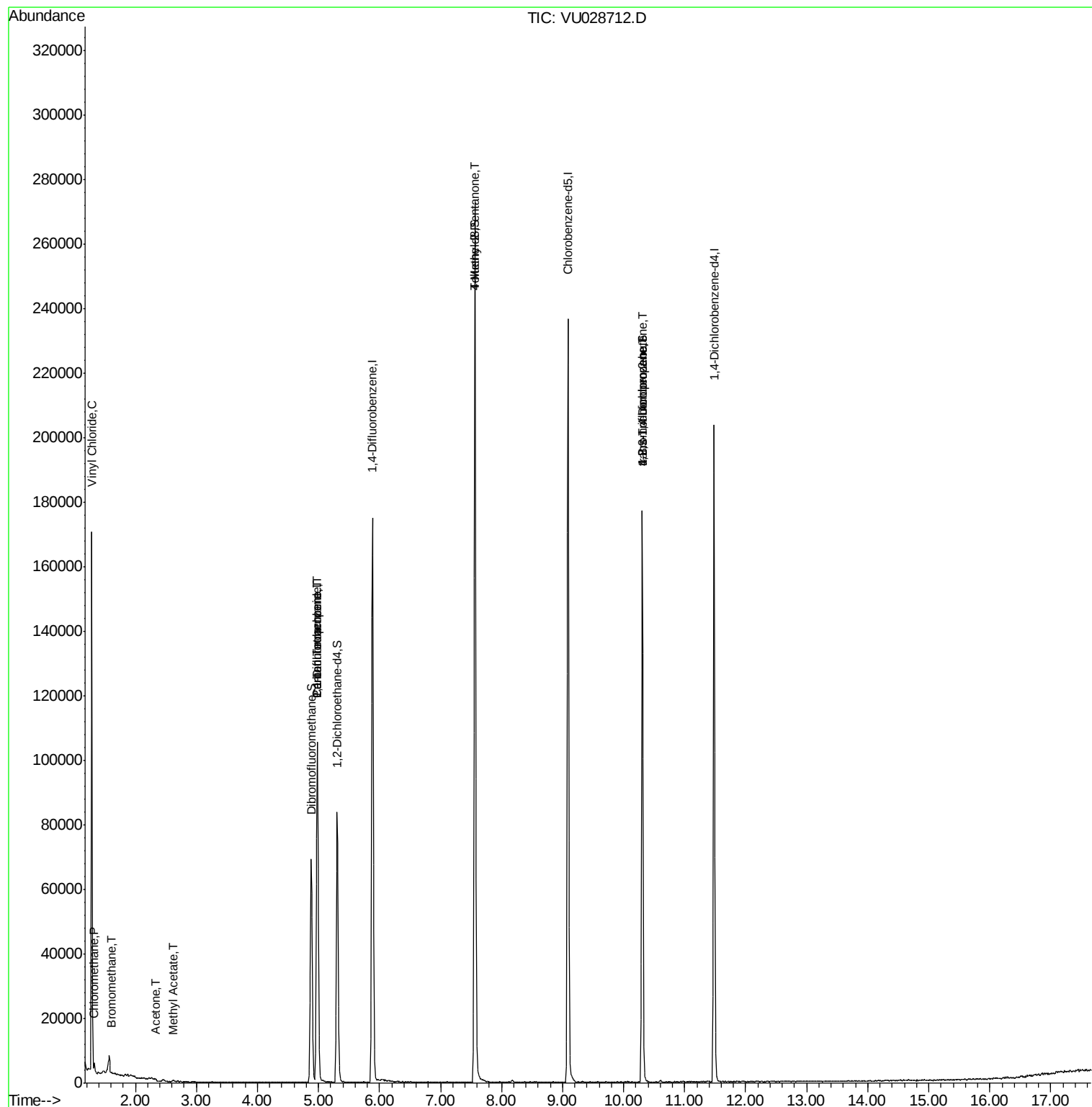
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2301	1.182	ug/l #	86
4) Vinyl Chloride	1.29	62	1409	1.003	ug/l #	43
5) Bromomethane	1.62	94	119	0.210	ug/l #	72
16) Acetone	2.32	43	527	0.670	ug/l #	44
18) Methyl Acetate	2.62	43	1030	0.505	ug/l #	56
31) Cyclohexane	4.99	56	1813	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	6707	4.396	ug/l #	49
38) Carbon Tetrachloride	4.98	117	7762	6.312	ug/l #	15
51) 4-Methyl-2-Pentanone	7.57	43	926	0.471	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	31136	24.745	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	31136	60.725	ug/l #	100

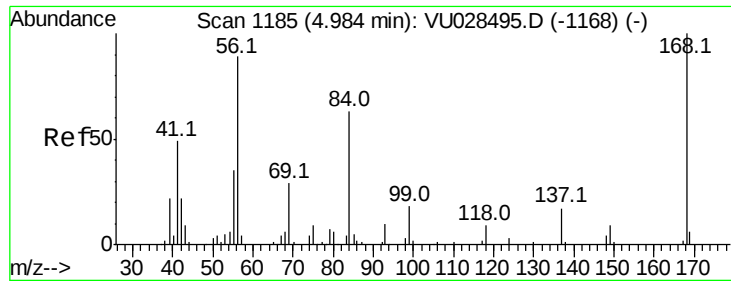
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121718\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
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QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028712.D

Acq: 17 Dec 2018 11:40

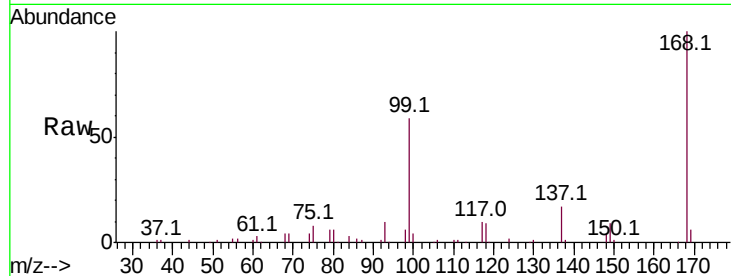
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 79013

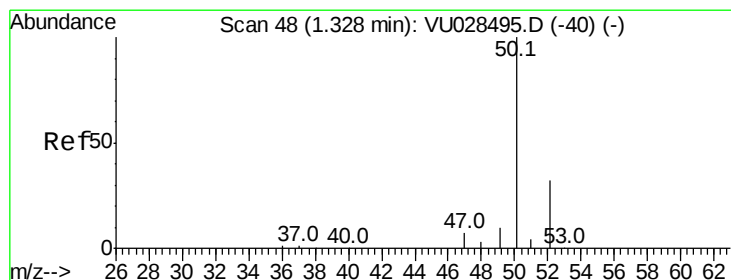
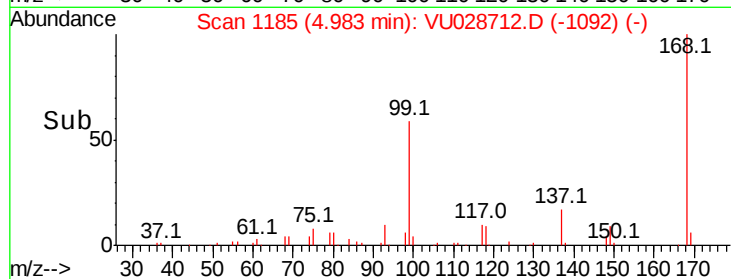
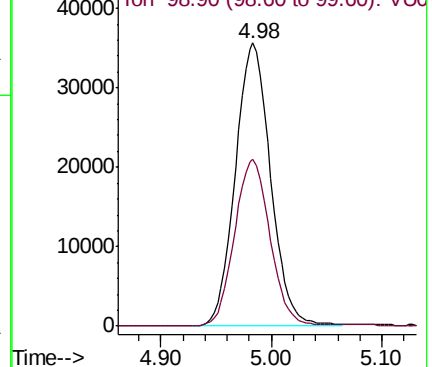
Ion Ratio Lower Upper

168 100

99 58.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)



#3

Chloromethane

Concen: 1.182 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028712.D

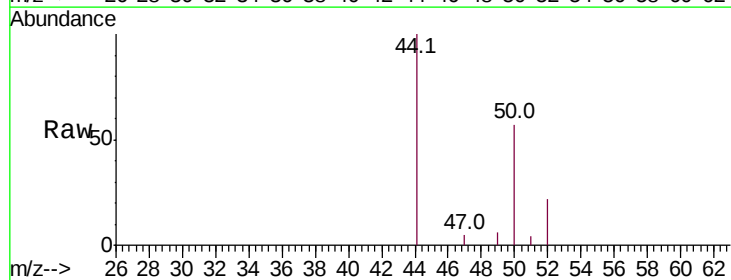
Acq: 17 Dec 2018 11:40

Tgt Ion: 50 Resp: 2301

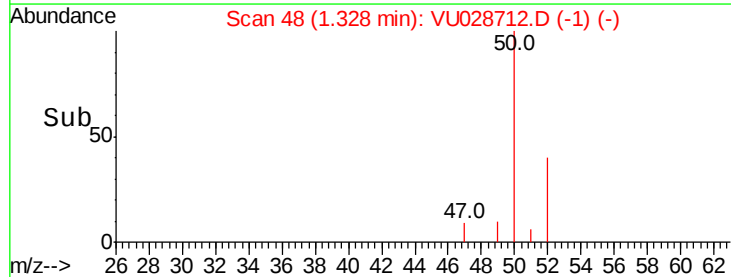
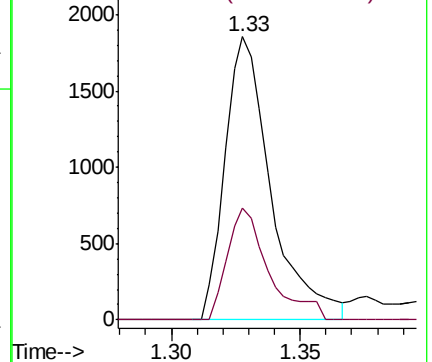
Ion Ratio Lower Upper

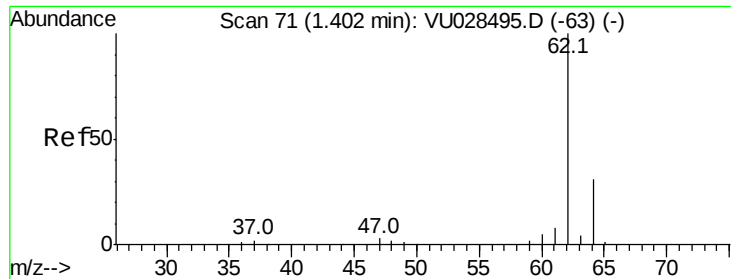
50 100

52 39.7 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)





#4

Vinyl Chloride

Concen: 1.003 ug/l

RT: 1.29 min Scan# 35

Delta R.T. -0.12 min

Lab File: VU028712.D

Acq: 17 Dec 2018 11:40

Instrument :

MSVOA_U

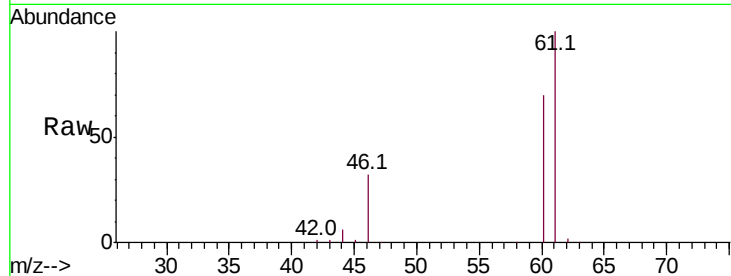
ClientSampleId :

Tot Ion: 62 Resp: 1409

Ion Ratio Lower Upper

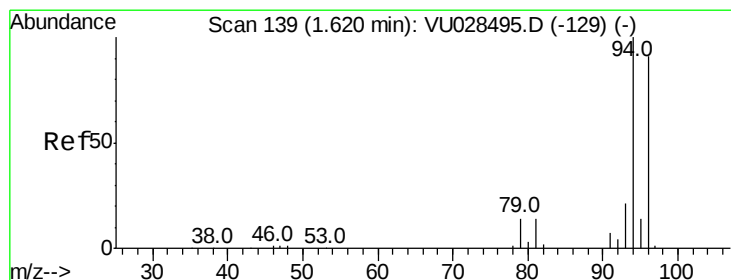
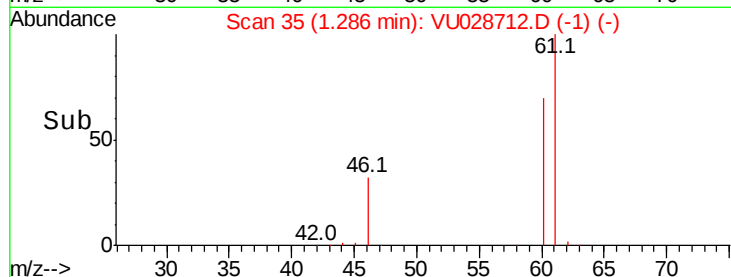
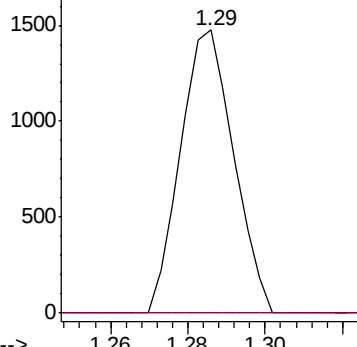
62 100

64 0.0 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.210 ug/l

RT: 1.62 min Scan# 139

Delta R.T. -0.00 min

Lab File: VU028712.D

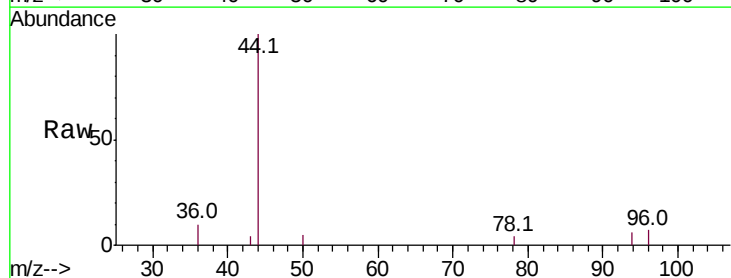
Acq: 17 Dec 2018 11:40

Tgt Ion: 94 Resp: 119

Ion Ratio Lower Upper

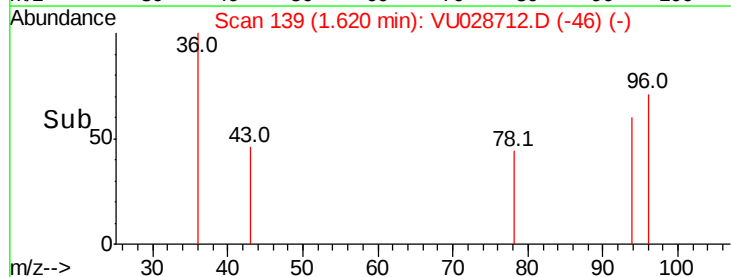
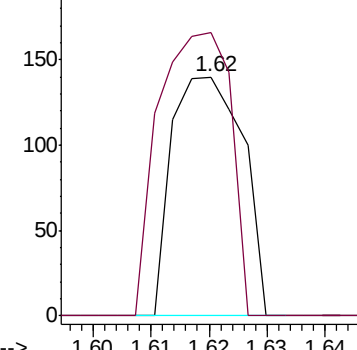
94 100

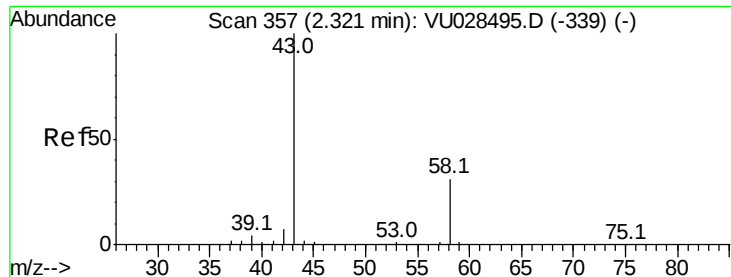
96 118.6 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#16

Acetone

Concen: 0.670 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028712.D

Acq: 17 Dec 2018 11:40

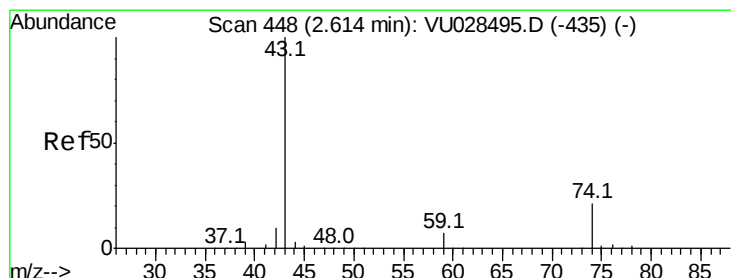
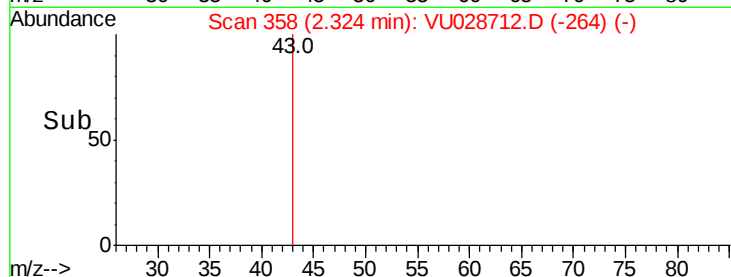
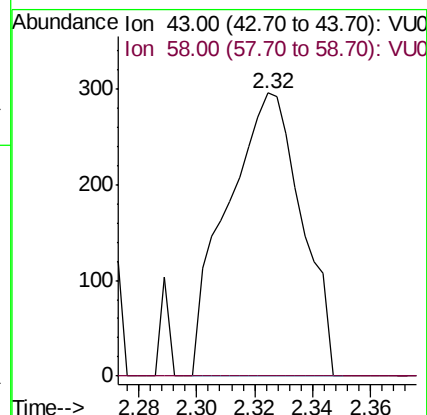
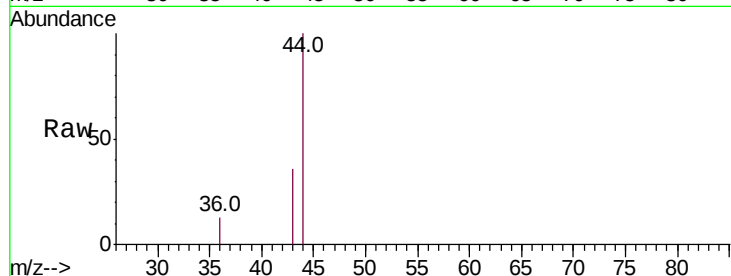
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 527

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



#18

Methyl Acetate

Concen: 0.505 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028712.D

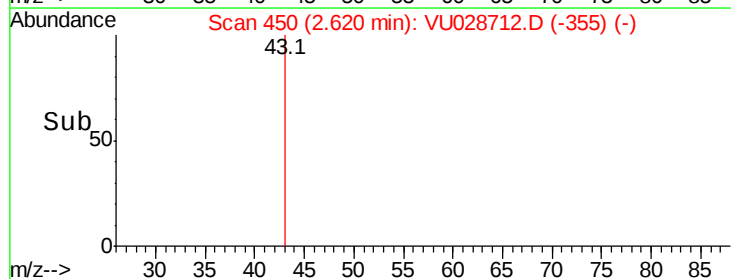
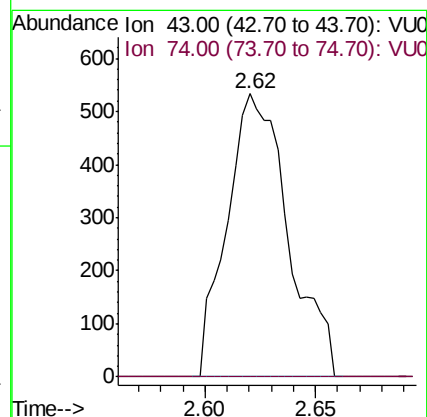
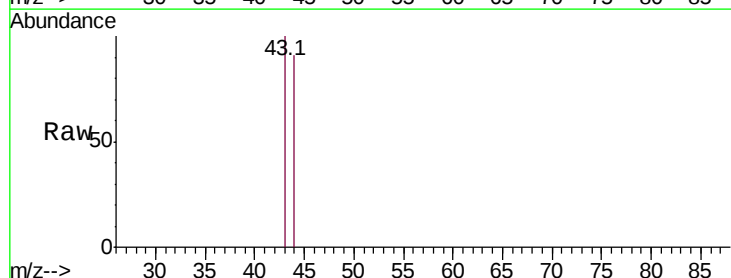
Acq: 17 Dec 2018 11:40

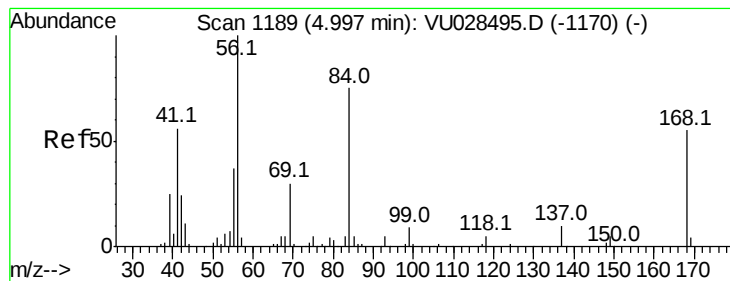
Tgt Ion: 43 Resp: 1030

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

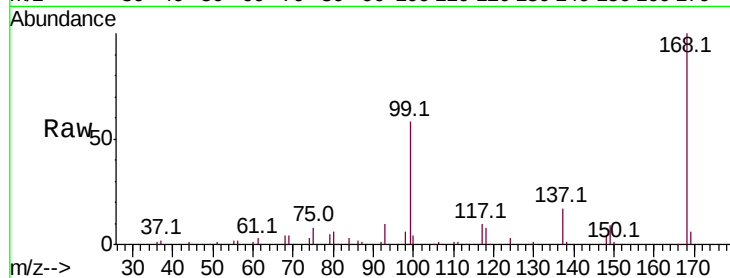
Lab File: VU028712.D

Acq: 17 Dec 2018 11:40

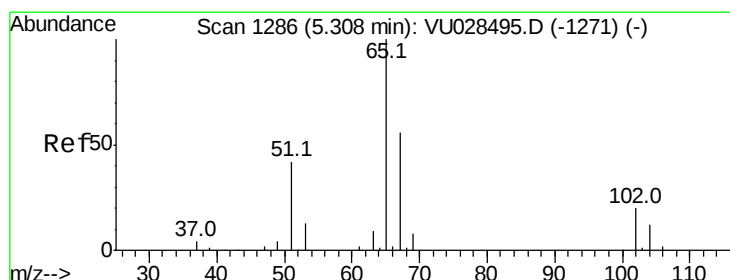
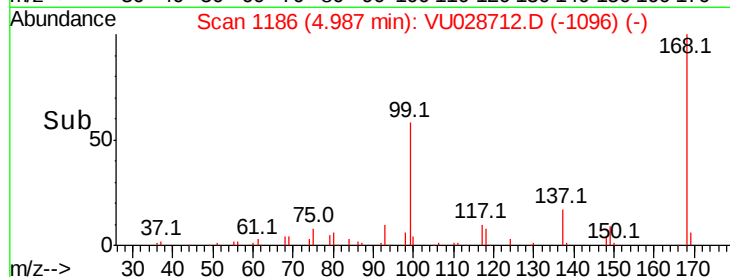
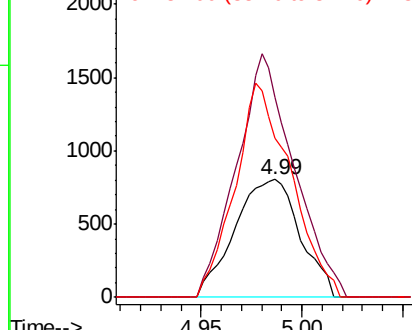
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 1813

Ion	Ratio	Lower	Upper
56	100		
69	169.4	24.0	36.0#
84	134.9	59.7	89.5#



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 52.814 ug/l

RT: 5.31 min Scan# 1286

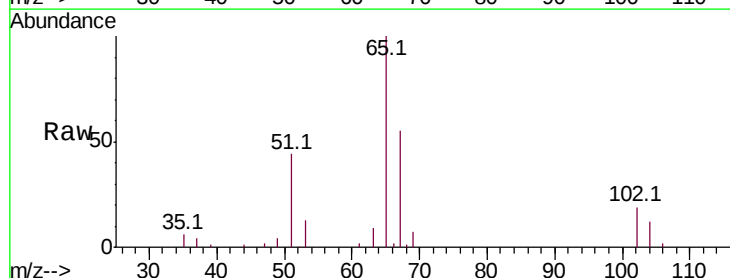
Delta R.T. -0.00 min

Lab File: VU028712.D

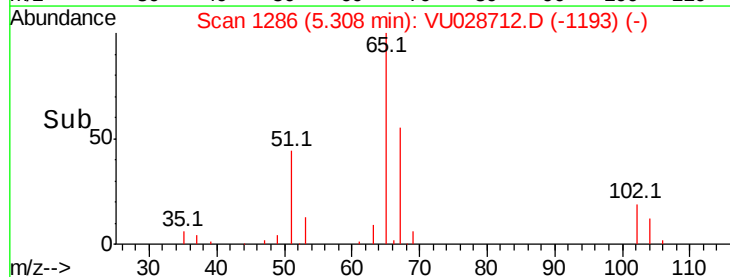
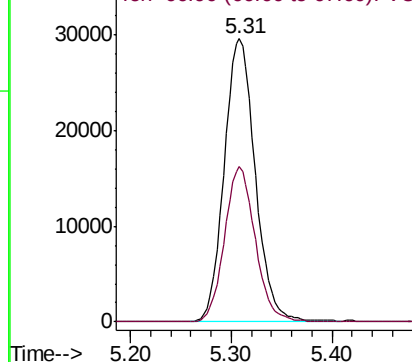
Acq: 17 Dec 2018 11:40

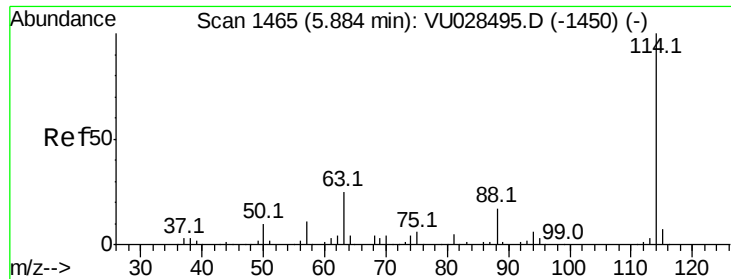
Tgt Ion: 65 Resp: 63682

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

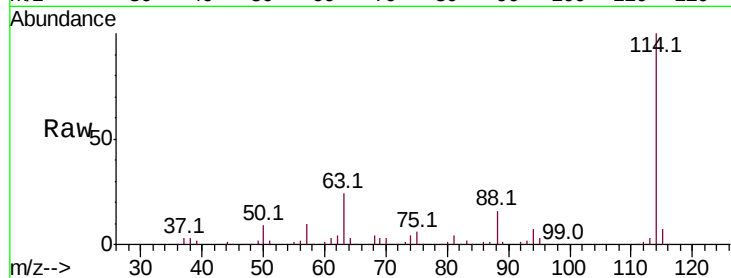




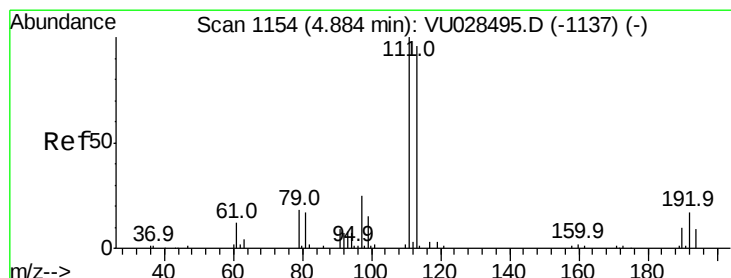
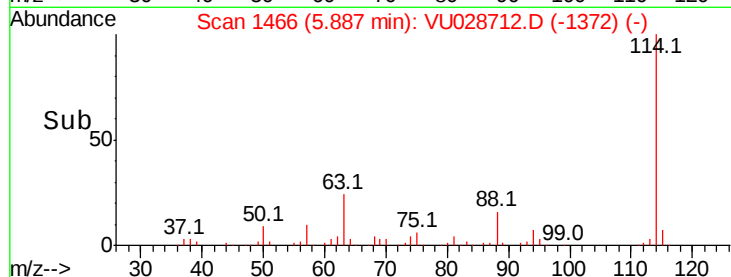
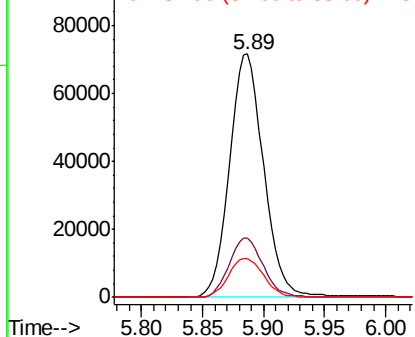
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028712.D
 Acq: 17 Dec 2018 11:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:114 Resp: 139433
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 16.0 0.0 33.4

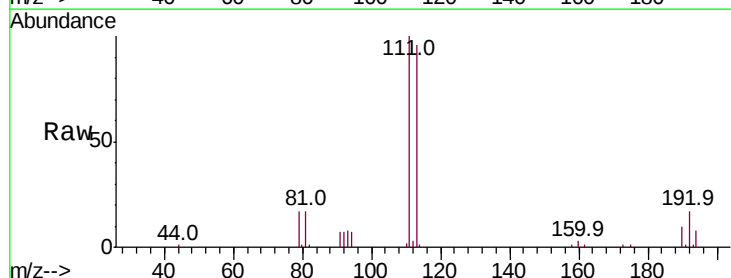


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

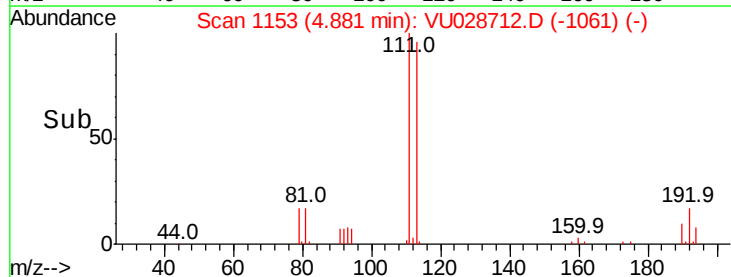
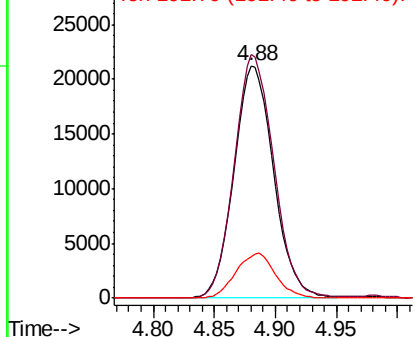


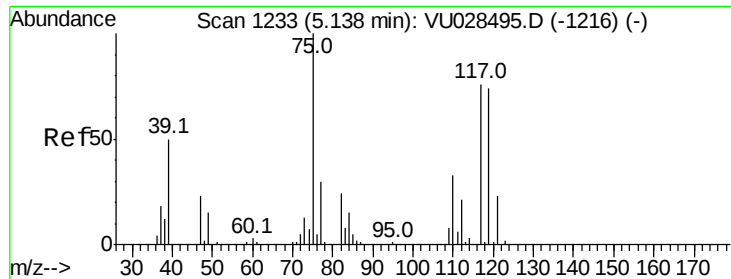
#35
 Dibromofluoromethane
 Concen: 54.441 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028712.D
 Acq: 17 Dec 2018 11:40

Tgt Ion:113 Resp: 47770
 Ion Ratio Lower Upper
 113 100
 111 104.5 83.4 125.0
 192 19.0 14.8 22.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

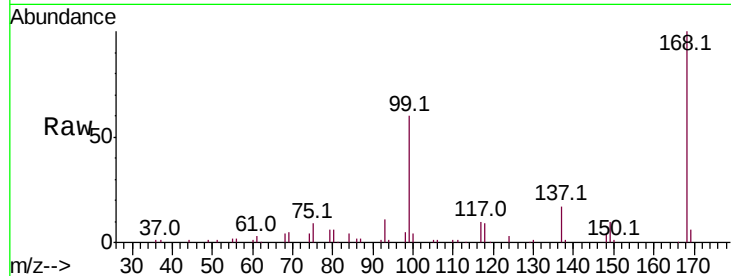




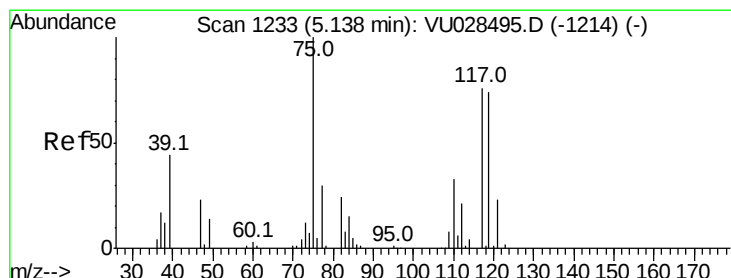
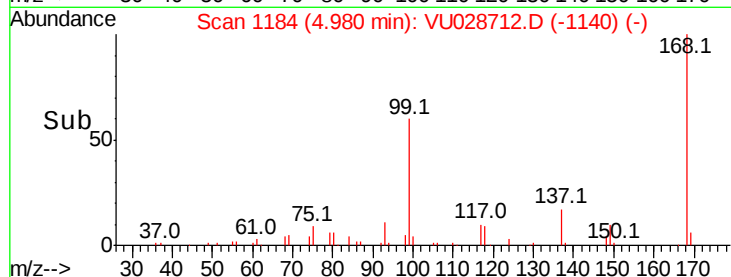
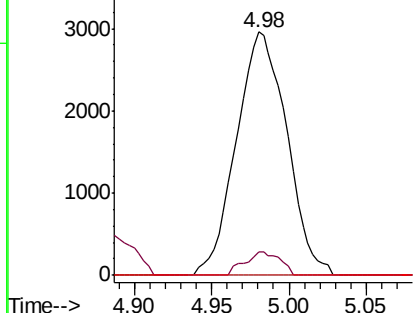
#36
 1,1-Dichloropropene
 Concen: 4.396 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028712.D
 Acq: 17 Dec 2018 11:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.6	16.1	48.2#
77	0.0	24.5	36.7#

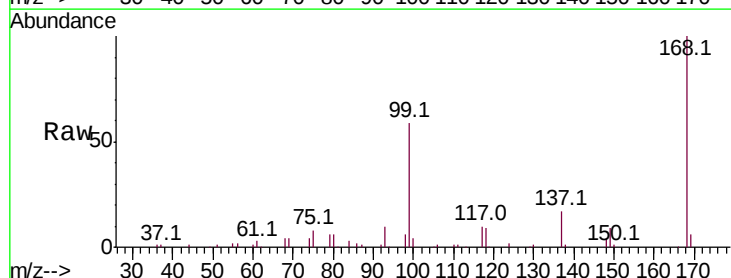


Abundance Ion 74.90 (74.60 to 75.60): VU028712.D (-1140) (-)
 Ion 109.90 (109.60 to 110.60): VU028712.D (-1140) (-)
 Ion 76.90 (76.60 to 77.60): VU028712.D (-1140) (-)

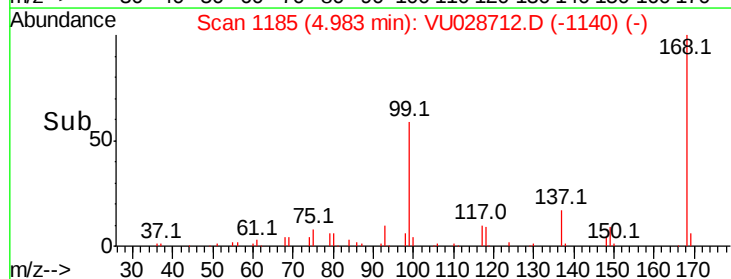
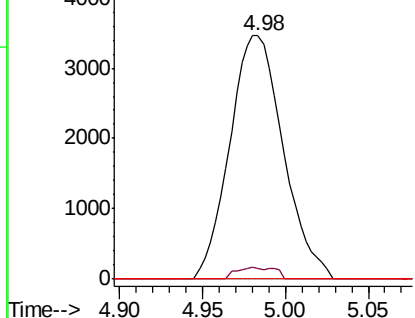


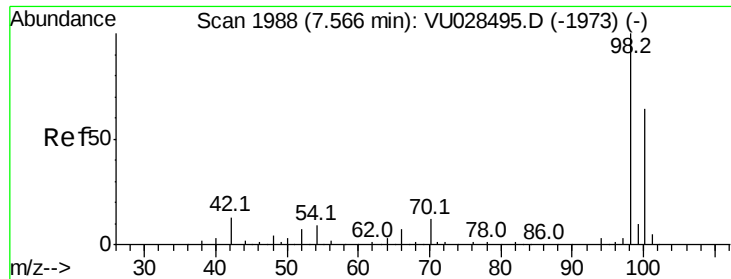
#38
 Carbon Tetrachloride
 Concen: 6.312 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028712.D
 Acq: 17 Dec 2018 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	77.6	116.4#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): VU028712.D (-1140) (-)
 Ion 118.80 (118.50 to 119.50): VU028712.D (-1140) (-)
 Ion 120.80 (120.50 to 121.50): VU028712.D (-1140) (-)





#50

Toluene-d8

Concen: 52.298 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028712.D

Acq: 17 Dec 2018 11:40

Instrument :

MSVOA_U

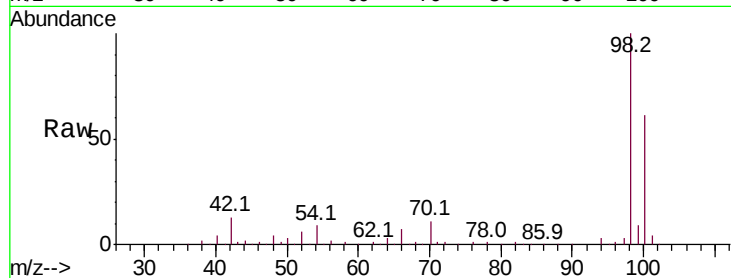
ClientSampled :

Tot Ion: 98 Resp: 181531

Ion Ratio Lower Upper

98 100

100 61.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

7.57

120000

100000

80000

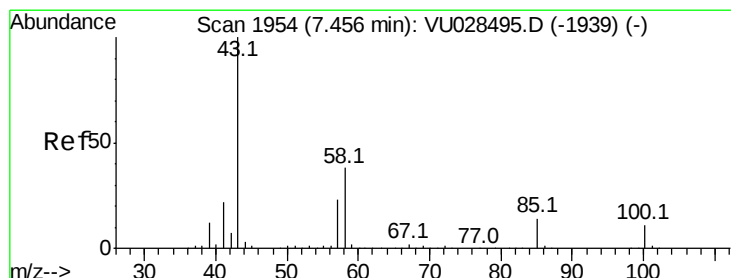
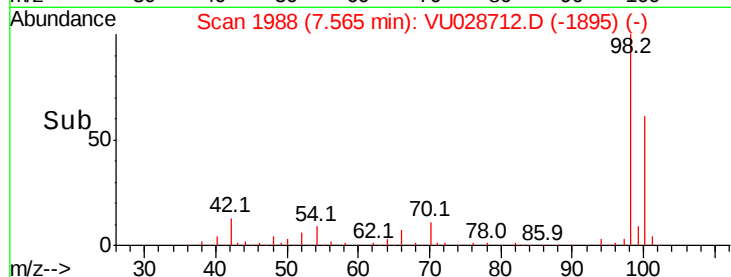
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.471 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028712.D

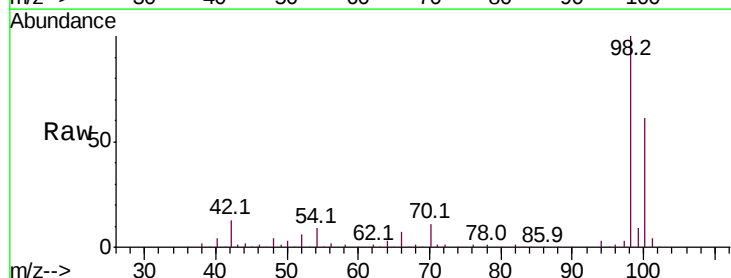
Acq: 17 Dec 2018 11:40

Tgt Ion: 43 Resp: 926

Ion Ratio Lower Upper

43 100

58 178.1 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.57

1000

800

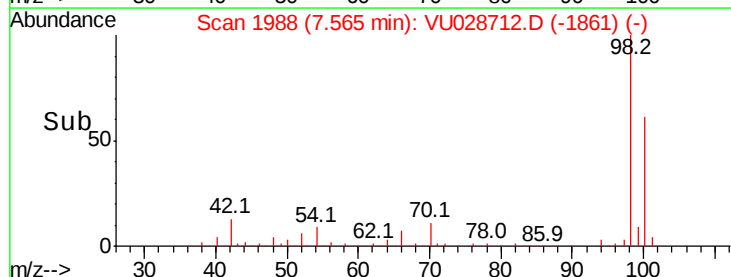
600

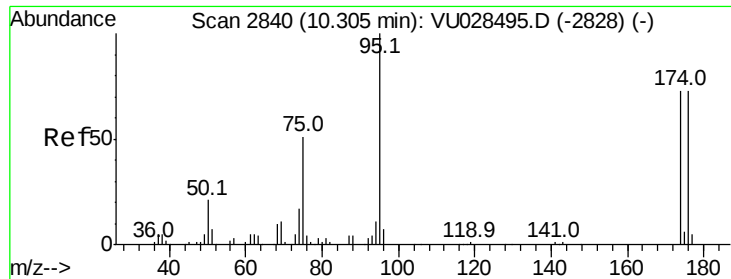
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 45.910 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028712.D

Acq: 17 Dec 2018 11:40

Instrument :

MSVOA_U

ClientSampleId :

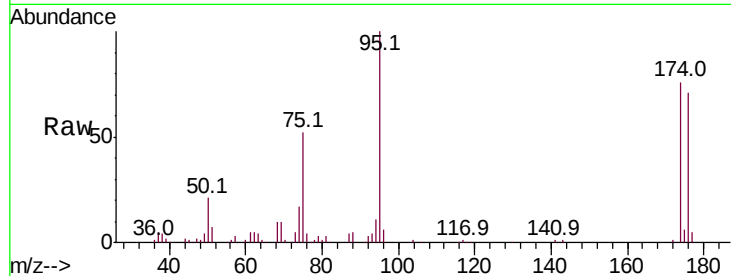
Tot Ion: 95 Resp: 59562

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.4

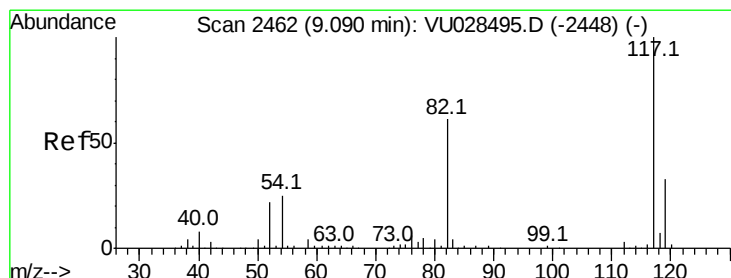
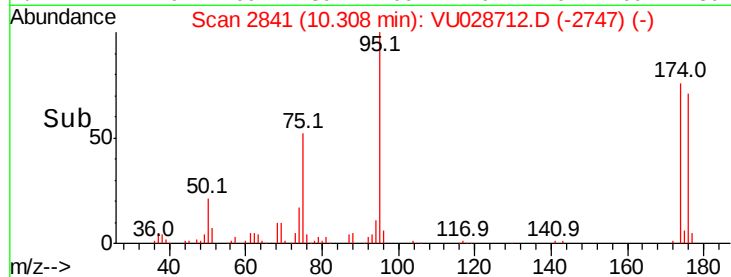
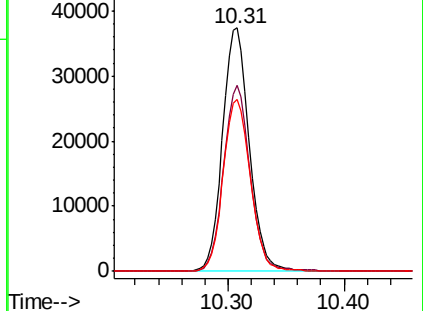
176 72.0 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028712.D

Acq: 17 Dec 2018 11:40

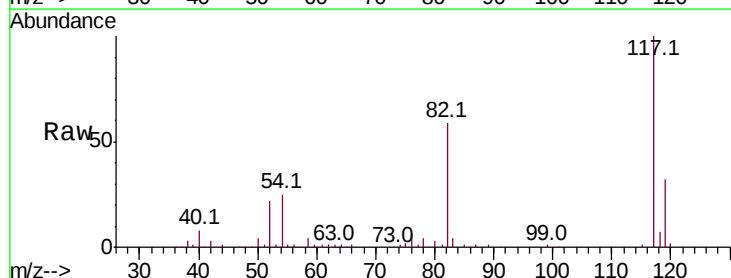
Tgt Ion: 117 Resp: 126902

Ion Ratio Lower Upper

117 100

82 59.0 48.9 73.3

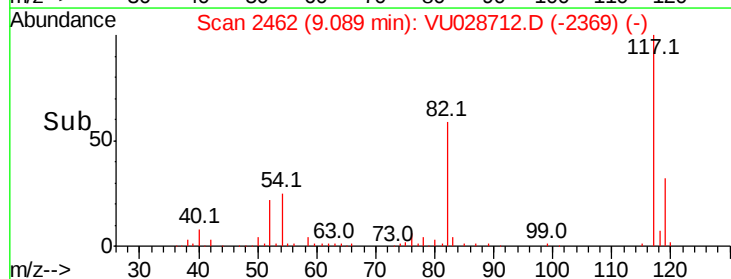
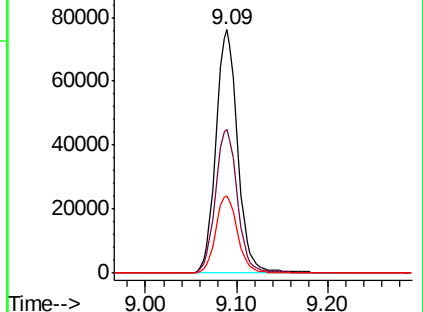
119 31.8 26.2 39.4

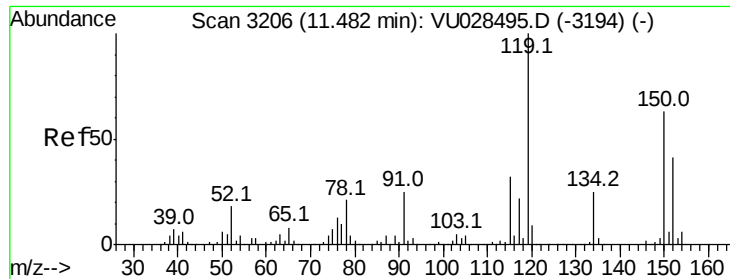


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028712.D

Acq: 17 Dec 2018 11:40

Instrument :

MSVOA_U

ClientSampleId :

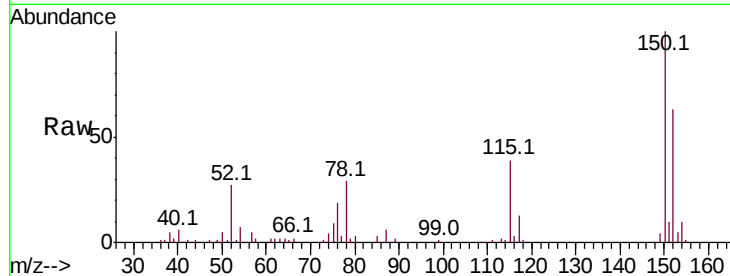
Tot Ion:152 Resp: 49277

Ion Ratio Lower Upper

152 100

115 60.2 42.7 128.1

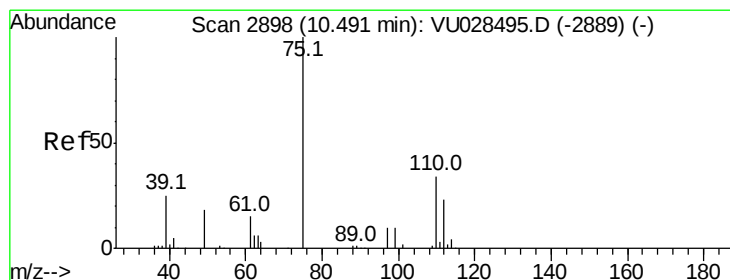
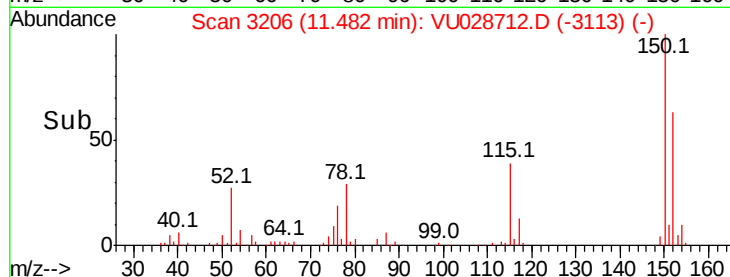
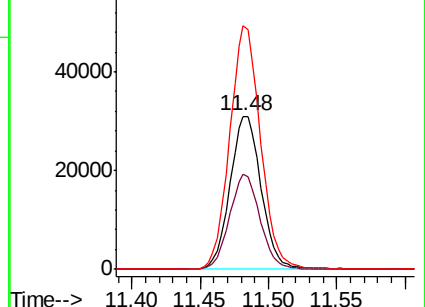
150 157.3 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.745 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028712.D

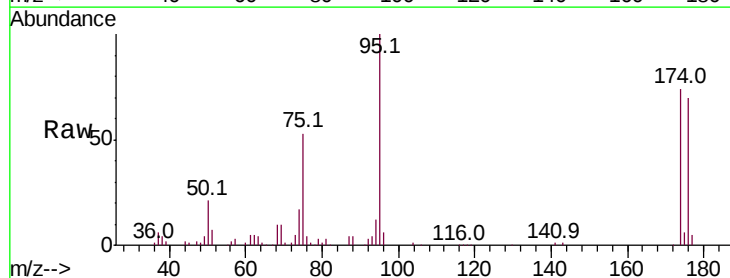
Acq: 17 Dec 2018 11:40

Tgt Ion: 75 Resp: 31136

Ion Ratio Lower Upper

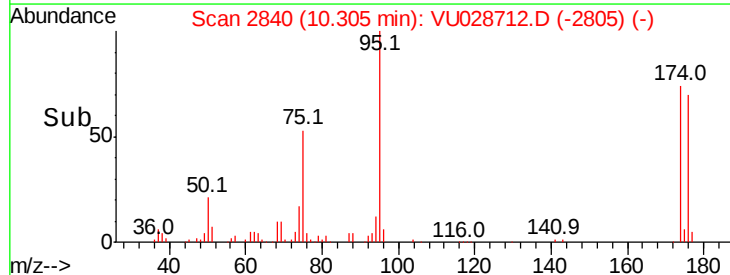
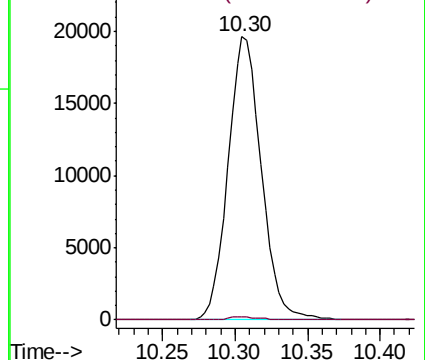
75 100

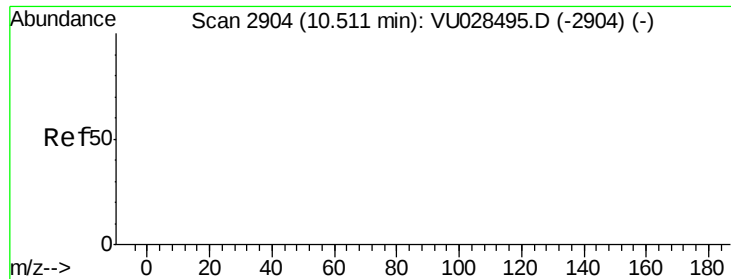
77 0.9 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

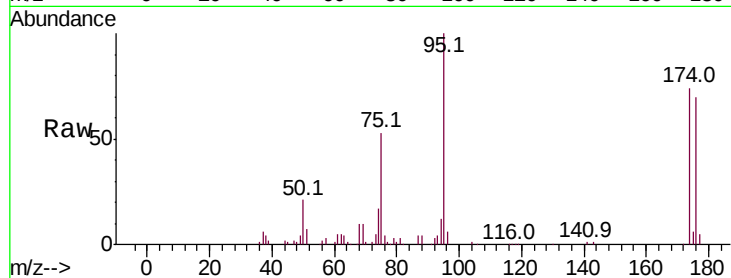




#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.725 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.21 min
 Lab File: VU028712.D
 Acq: 17 Dec 2018 11:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 53.00 (52.70 to 53.70): VU0
 Ion 88.90 (88.60 to 89.60): VU0

