

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121518\
 Data File : VU028696.D
 Acq On : 14 Dec 2018 20:28
 Operator : MD/SY
 Sample : J6393-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:23:46 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	75770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	138164	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	121318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	47448	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	64502	55.78	ug/l	0.00
Spiked Amount			Recovery	=	111.56%	
35) Dibromofluoromethane	4.88	113	46259	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
50) Toluene-d8	7.57	98	174452	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	10.31	95	56154	43.68	ug/l	0.00
Spiked Amount			Recovery	=	87.36%	

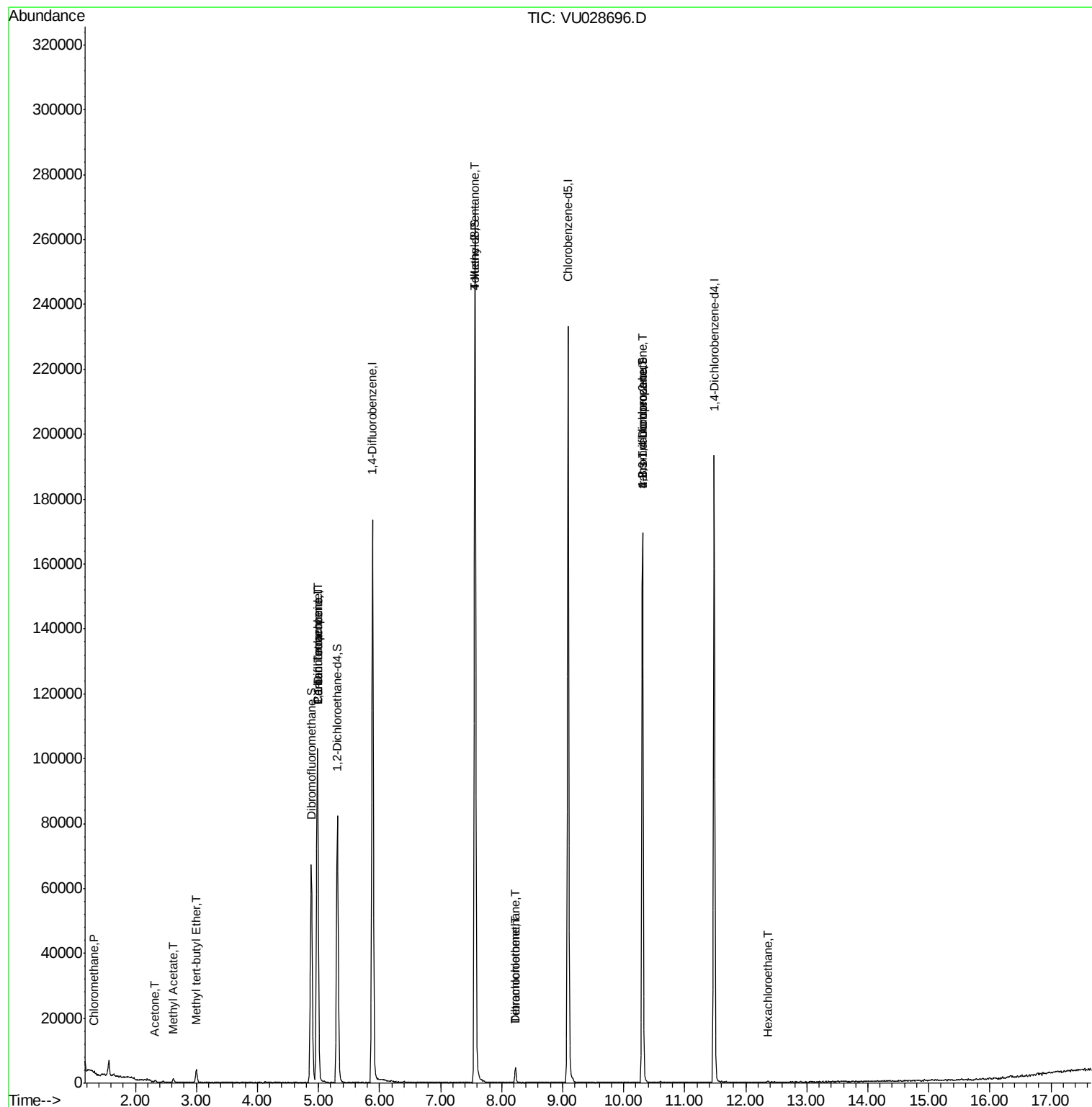
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	747	0.400	ug/l	90
16) Acetone	2.32	43	511	0.677	ug/l #	44
18) Methyl Acetate	2.62	43	1531	0.783	ug/l #	80
19) Methyl tert-butyl Ether	3.00	73	3998	1.250	ug/l	91
31) Cyclohexane	4.99	56	1770	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	6889	4.556	ug/l #	48
38) Carbon Tetrachloride	4.98	117	7704	6.322	ug/l #	16
51) 4-Methyl-2-Pentanone	7.57	43	937	0.481	ug/l #	1
60) Dibromochloromethane	8.22	129	956	0.943	ug/l #	10
64) Tetrachloroethene	8.23	164	1054	1.302	ug/l	89
76) 1,2,3-Trichloropropane	10.30	75	29993	24.755	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	29993	60.751	ug/l #	100
90) Hexachloroethane	12.36	117	204	0.426	ug/l #	11

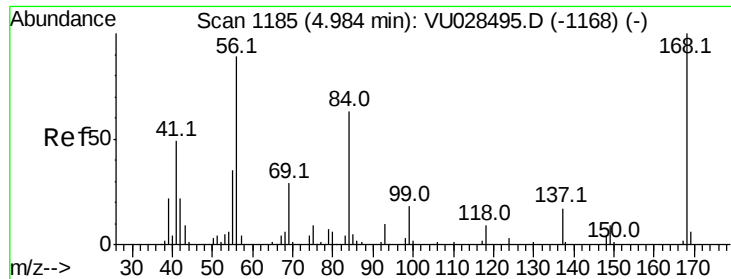
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028696.D

Acq: 14 Dec 2018 20:28

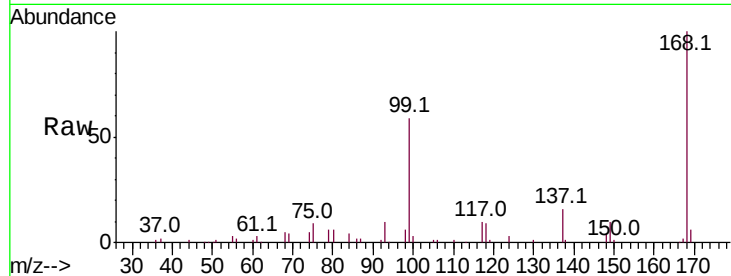
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 75770

Ion Ratio Lower Upper

168 100

99 59.4 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

30000

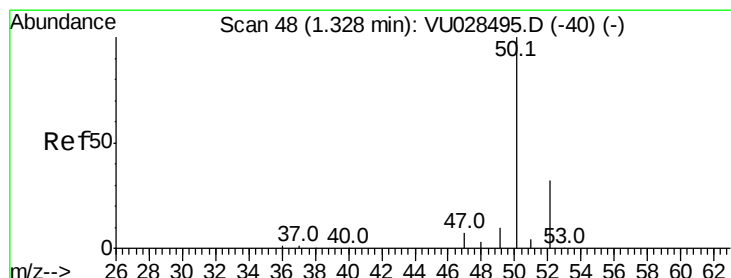
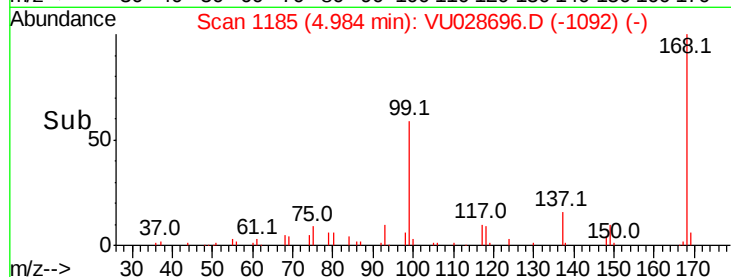
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.400 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028696.D

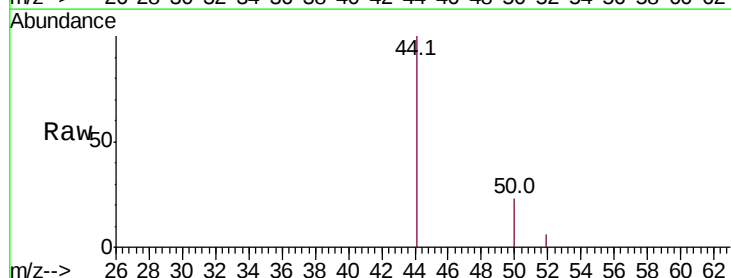
Acq: 14 Dec 2018 20:28

Tgt Ion: 50 Resp: 747

Ion Ratio Lower Upper

50 100

52 26.3 25.5 38.3



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

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

800

600

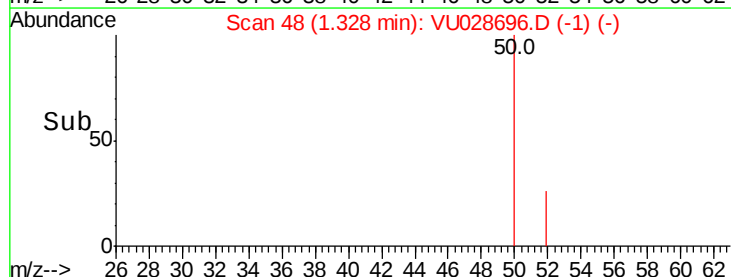
400

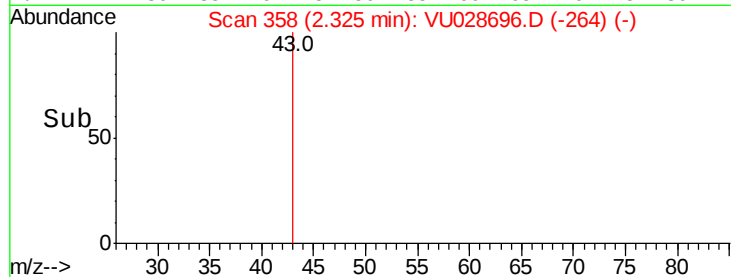
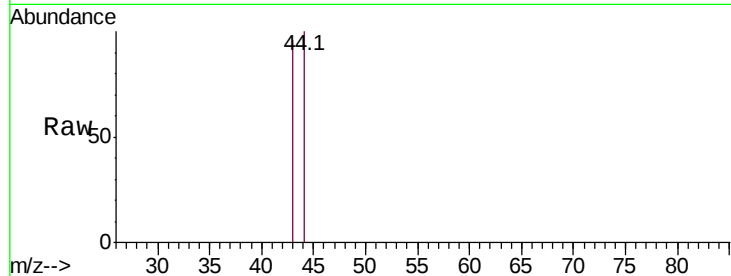
200

0

1.30 1.32 1.34 1.36

Time-->





#16

Acetone

Concen: 0.677 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028696.D

Acq: 14 Dec 2018 20:28

Instrument :

MSVOA_U

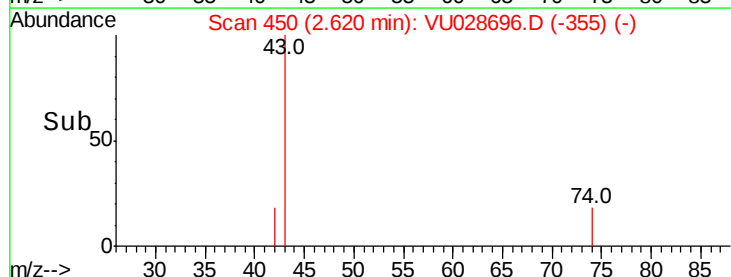
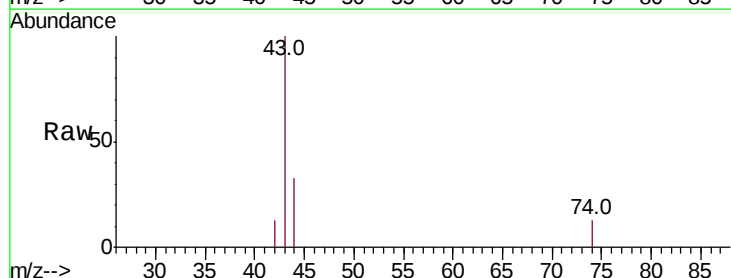
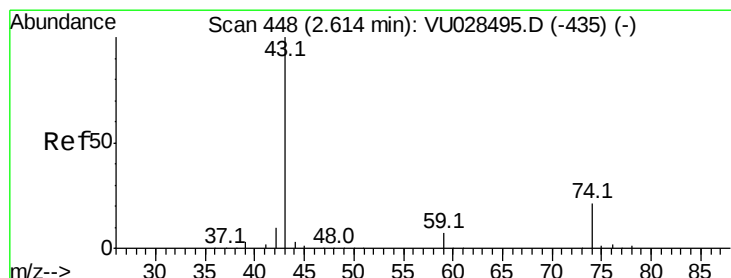
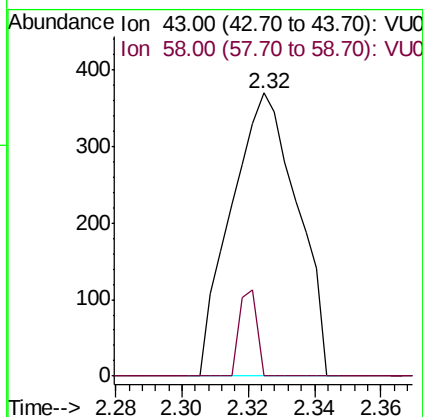
ClientSampleId :

Tot Ion: 43 Resp: 511

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



#18

Methyl Acetate

Concen: 0.783 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028696.D

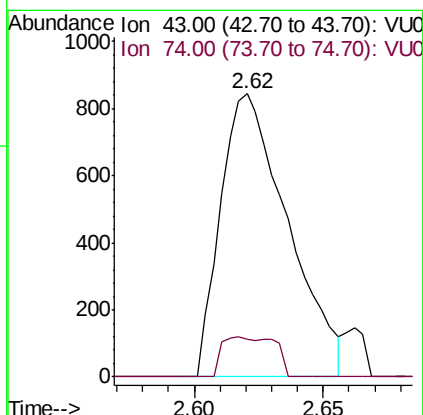
Acq: 14 Dec 2018 20:28

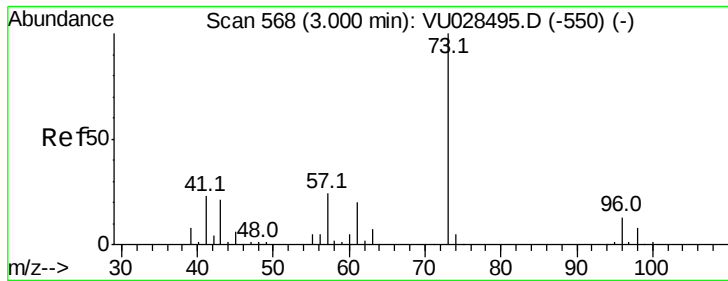
Tgt Ion: 43 Resp: 1531

Ion Ratio Lower Upper

43 100

74 11.2 16.4 24.6#



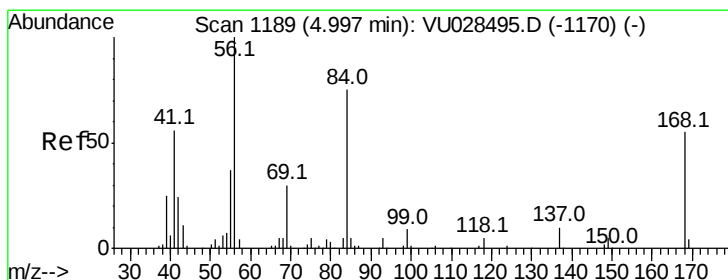
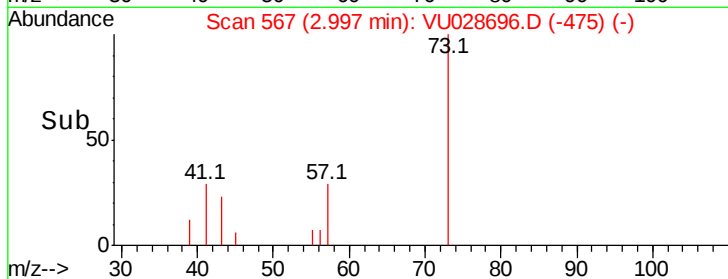
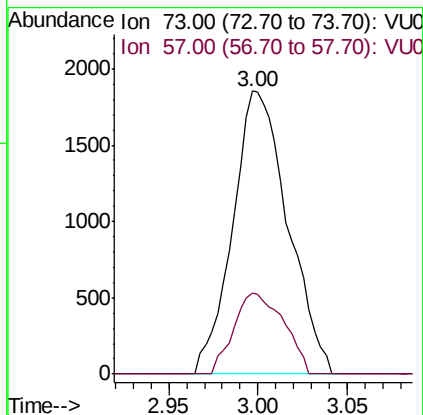
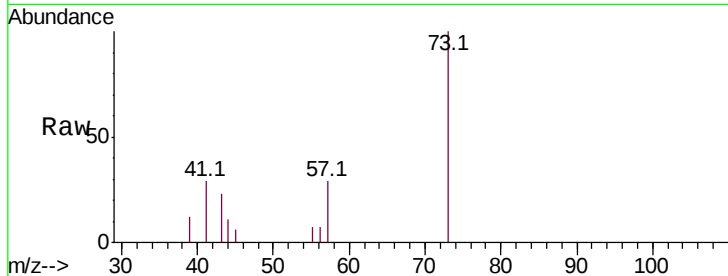


#19

Methyl tert-butyl Ether
 Concen: 1.250 ug/l
 RT: 3.00 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VU028696.D
 Acq: 14 Dec 2018 20:28

Instrument :
 MSVOA_U
 ClientSampleId :

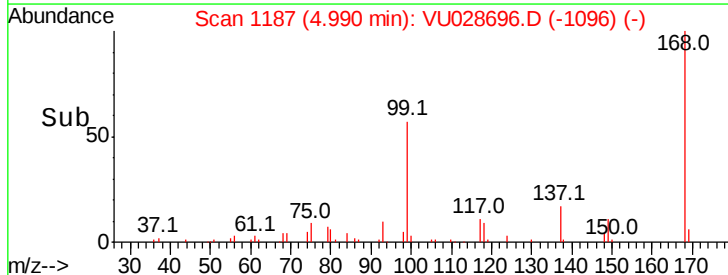
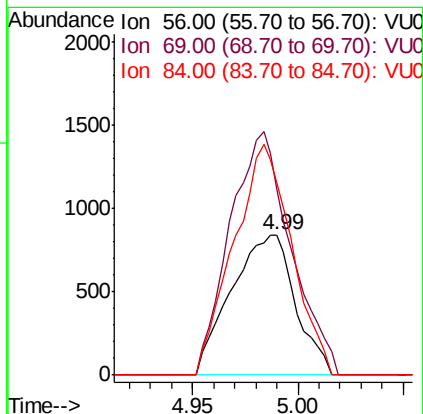
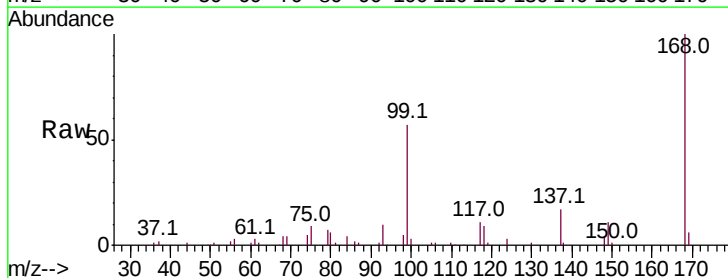
Tot Ion: 73 Resp: 3998
 Ion Ratio Lower Upper
 73 100
 57 28.6 19.4 29.2

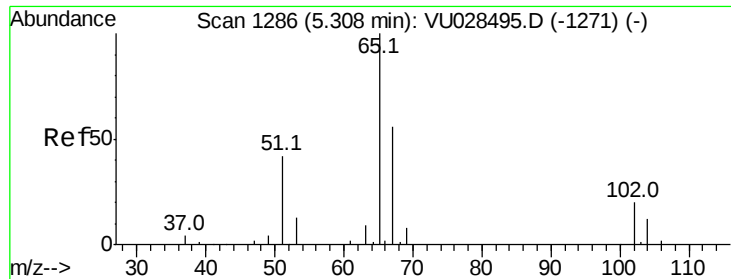


#31

Cyclohexane
 Concen: Below Cal
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: VU028696.D
 Acq: 14 Dec 2018 20:28

Tgt Ion: 56 Resp: 1770
 Ion Ratio Lower Upper
 56 100
 69 132.8 24.0 36.0#
 84 137.0 59.7 89.5#

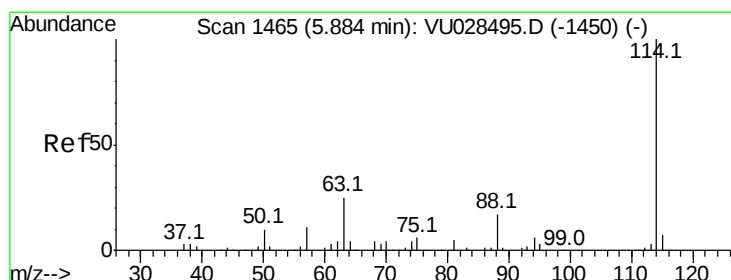
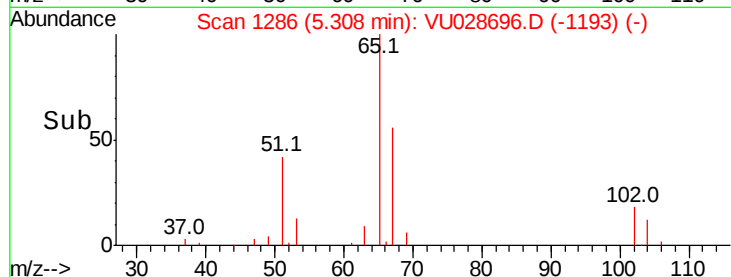
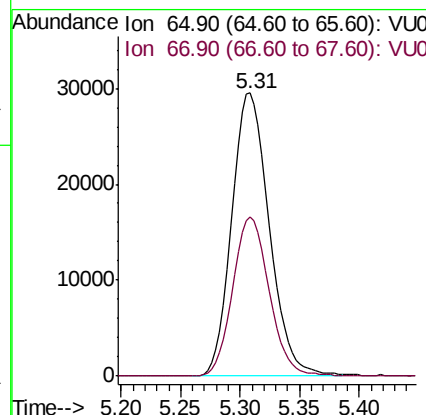
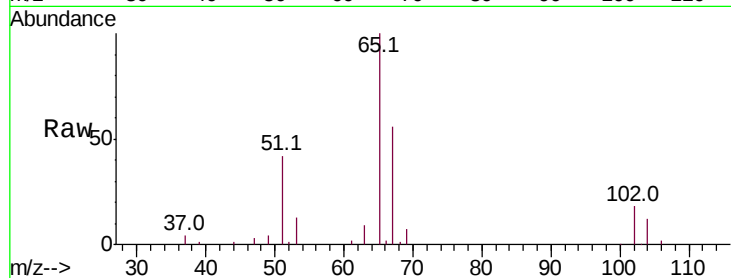




#33
 1,2-Dichloroethane-d4
 Concen: 55.783 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028696.D
 Acq: 14 Dec 2018 20:28

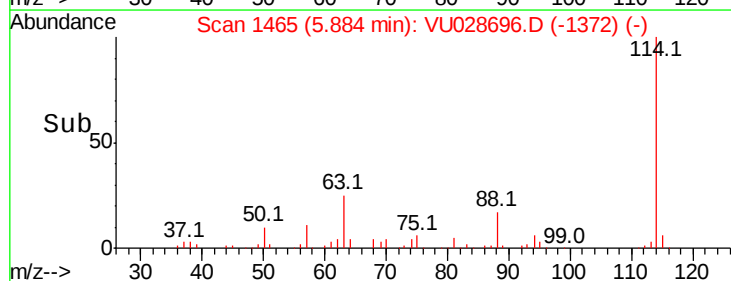
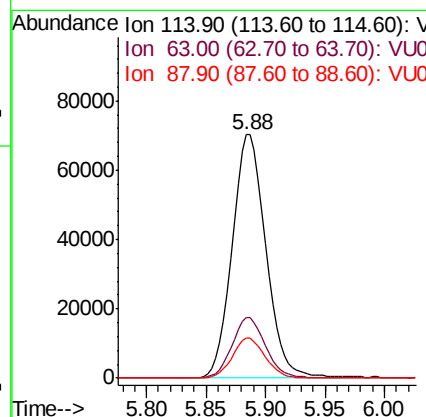
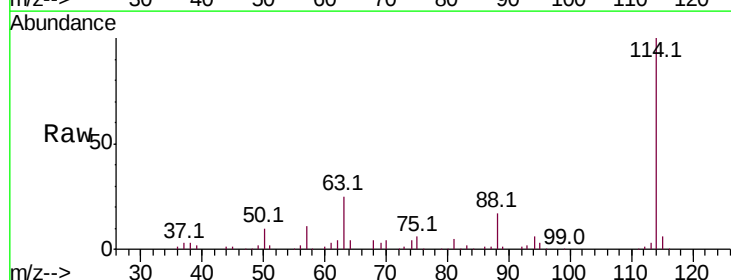
Instrument :
 MSVOA_U
 ClientSampleId :

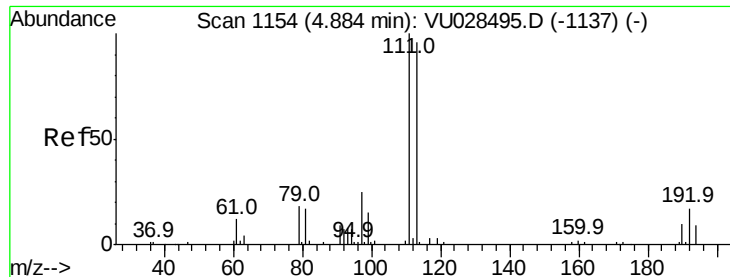
Tot Ion: 65 Resp: 64502
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028696.D
 Acq: 14 Dec 2018 20:28

Tgt Ion:114 Resp: 138164
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 16.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.203 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028696.D

Acq: 14 Dec 2018 20:28

Instrument :
MSVOA_U
ClientSampled :

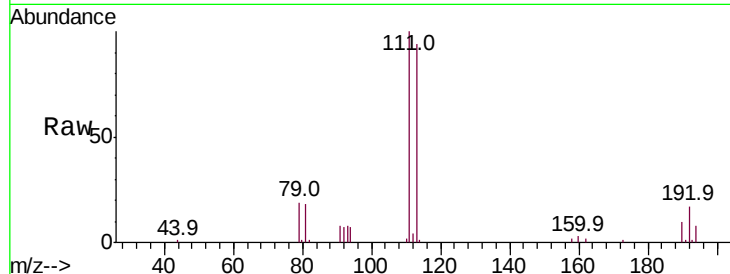
Tot Ion:113 Resp: 46259

Ion Ratio Lower Upper

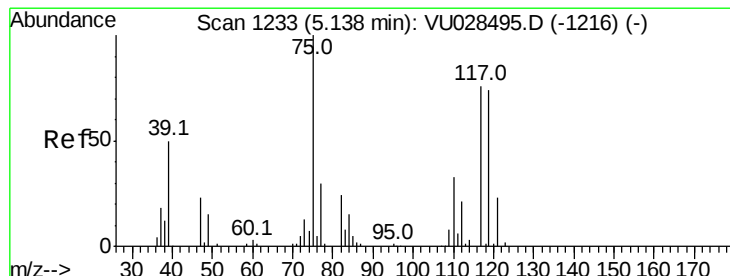
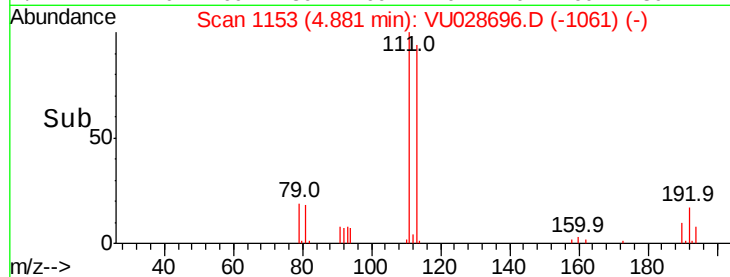
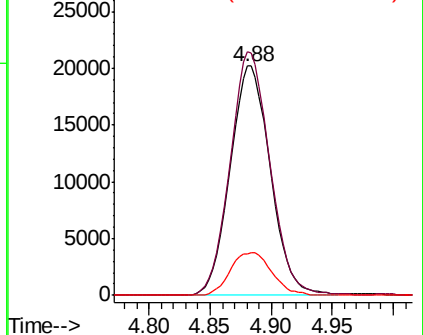
113 100

111 105.1 83.4 125.0

192 19.1 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: 4.556 ug/l

RT: 4.98 min Scan# 1183

Delta R.T. -0.16 min

Lab File: VU028696.D

Acq: 14 Dec 2018 20:28

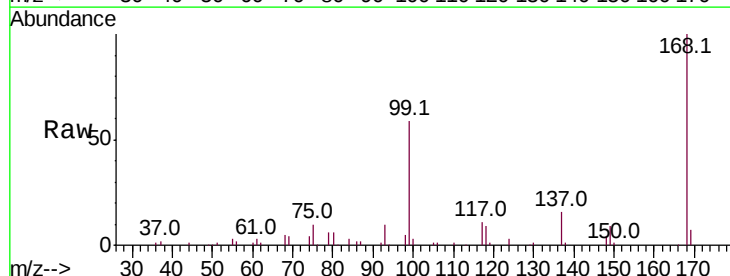
Tgt Ion: 75 Resp: 6889

Ion Ratio Lower Upper

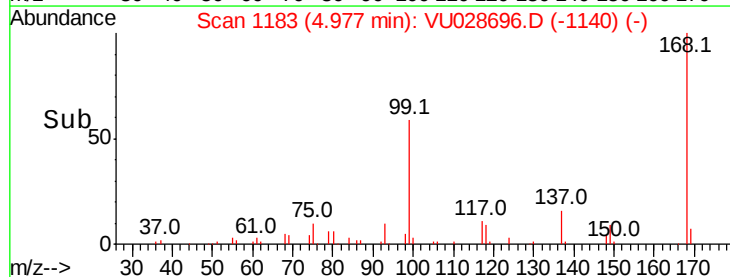
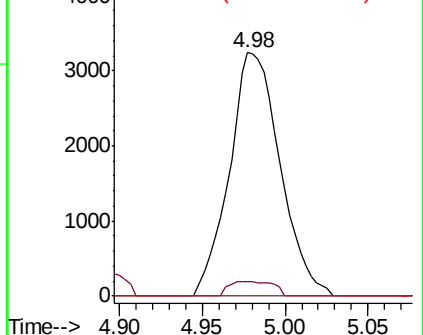
75 100

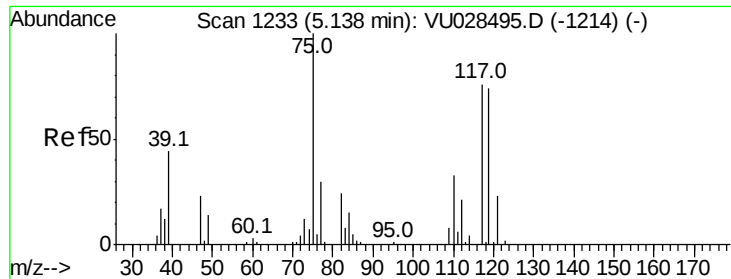
110 5.2 16.1 48.2#

77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0

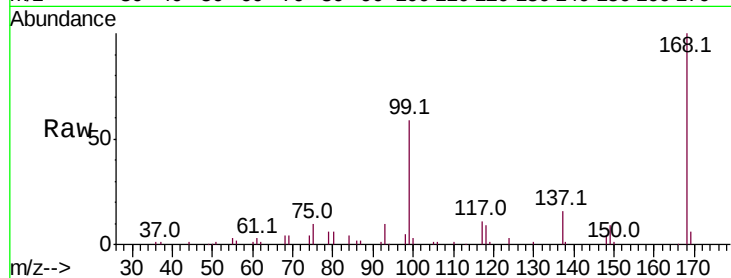




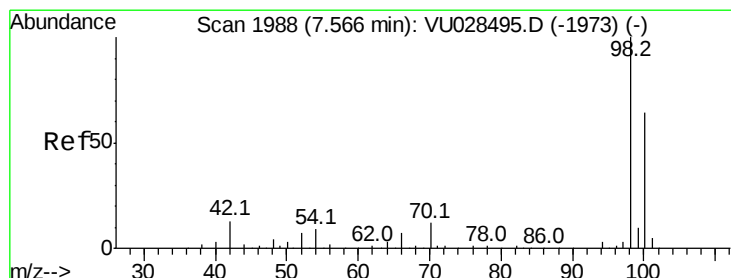
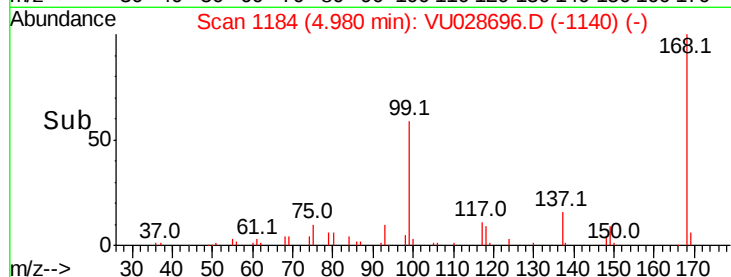
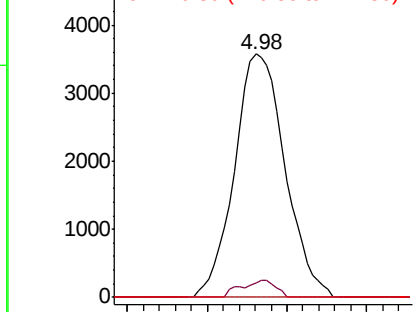
#38
Carbon Tetrachloride
Concen: 6.322 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028696.D
Acq: 14 Dec 2018 20:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 7704
Ion Ratio Lower Upper
117 100
119 6.0 77.6 116.4#
121 0.0 24.6 36.8#

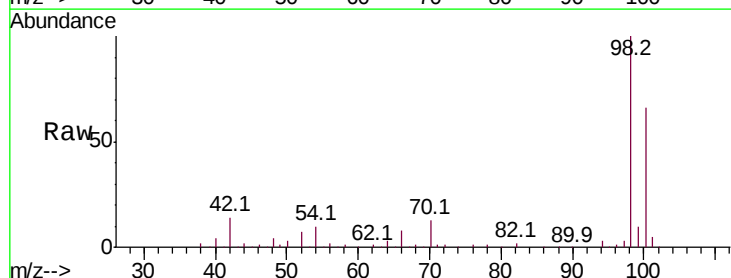


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

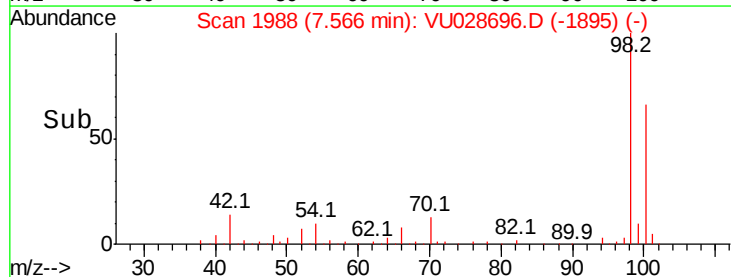
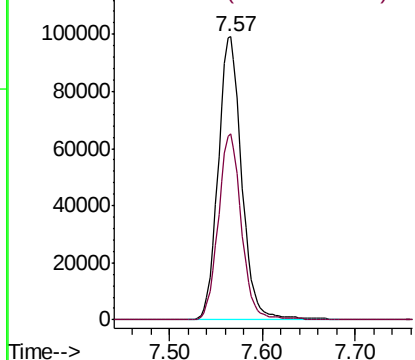


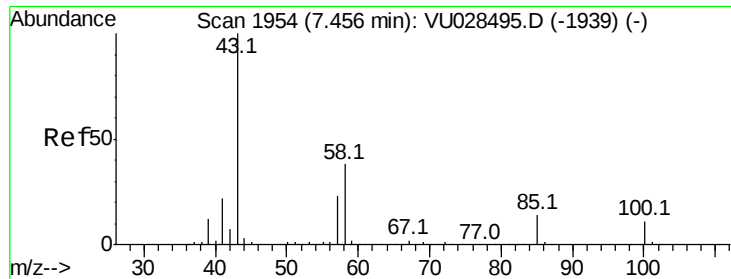
#50
Toluene-d8
Concen: 50.720 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028696.D
Acq: 14 Dec 2018 20:28

Tgt Ion: 98 Resp: 174452
Ion Ratio Lower Upper
98 100
100 64.3 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.481 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028696.D

Acq: 14 Dec 2018 20:28

Instrument :

MSVOA_U

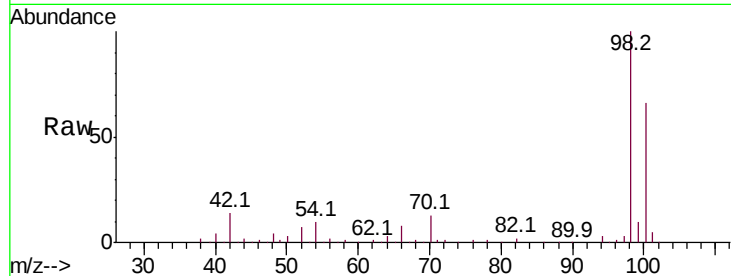
ClientSampleId :

Tot Ion: 43 Resp: 937

Ion Ratio Lower Upper

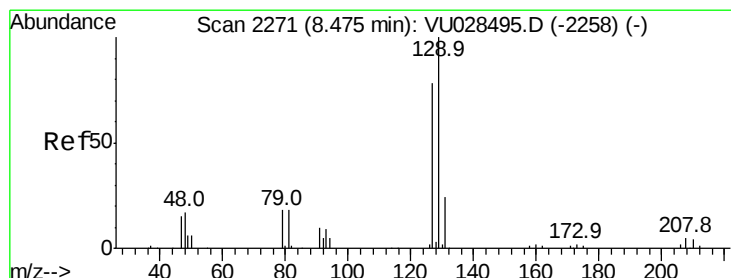
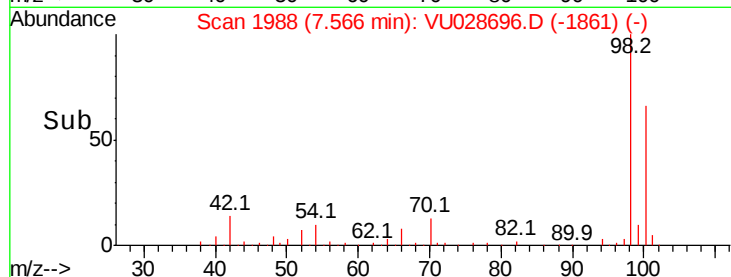
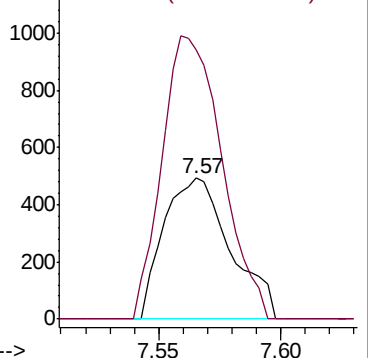
43 100

58 180.3 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) (-)



#60

Dibromochloromethane

Concen: 0.943 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028696.D

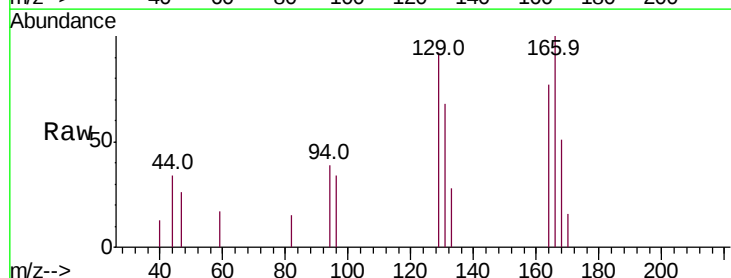
Acq: 14 Dec 2018 20:28

Tgt Ion: 129 Resp: 956

Ion Ratio Lower Upper

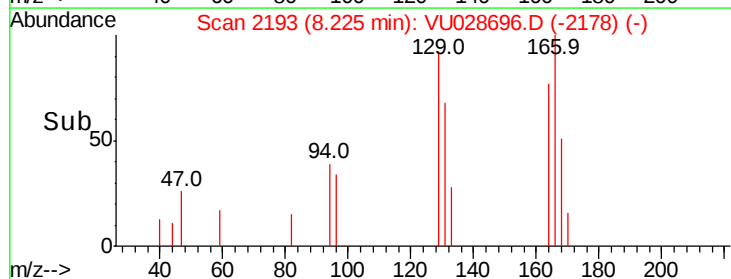
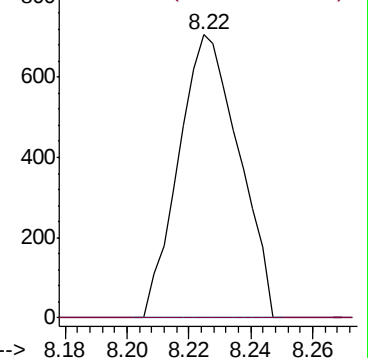
129 100

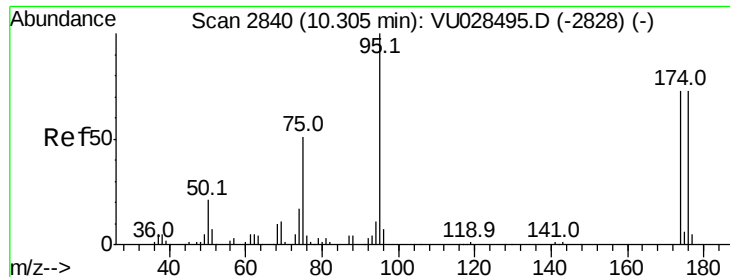
127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VU028495.D (-2258) (-)

Ion 126.80 (126.50 to 127.50): VU028495.D (-2258) (-)





#62

4-Bromofluorobenzene

Concen: 43.681 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028696.D

Acq: 14 Dec 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

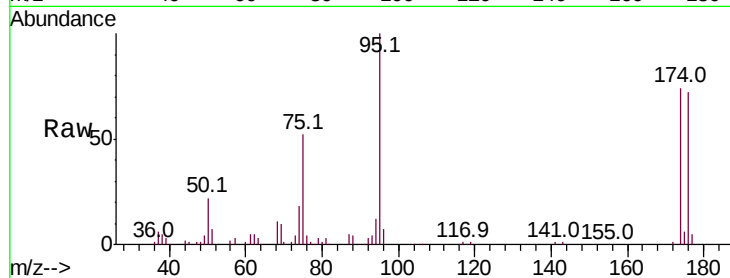
Tot Ion: 95 Resp: 56154

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.4

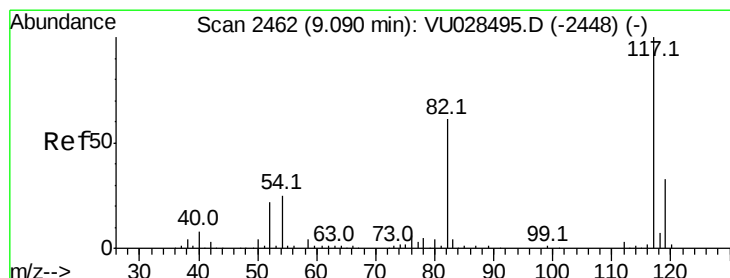
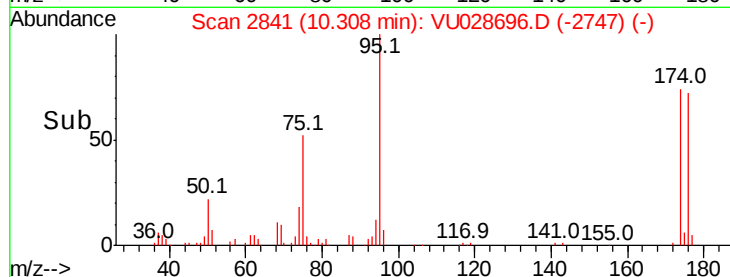
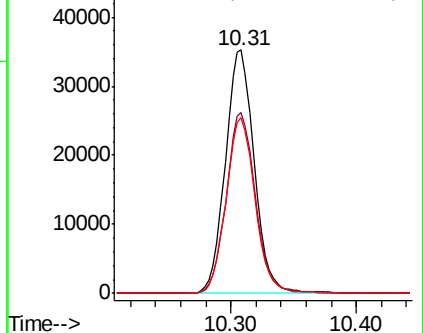
176 72.5 0.0 145.2



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: VU028696.D

Acq: 14 Dec 2018 20:28

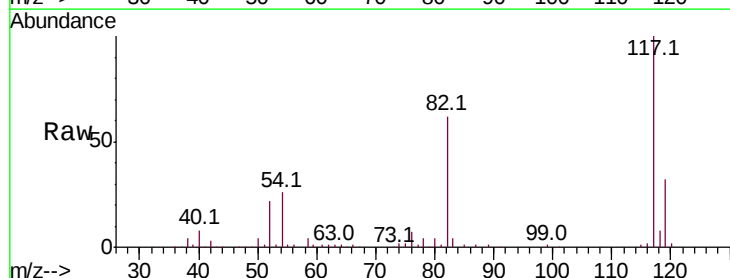
Tgt Ion: 117 Resp: 121318

Ion Ratio Lower Upper

117 100

82 61.7 48.9 73.3

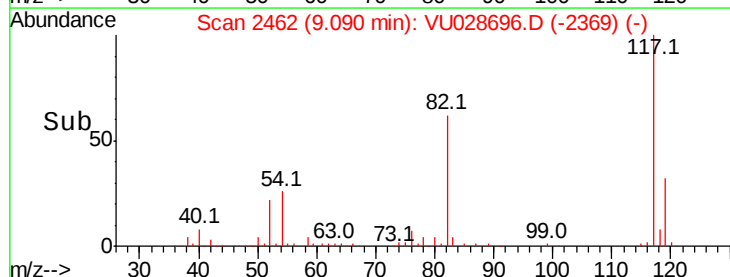
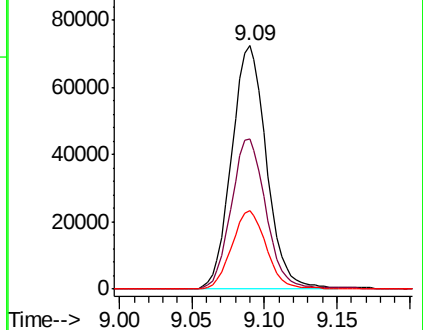
119 32.3 26.2 39.4

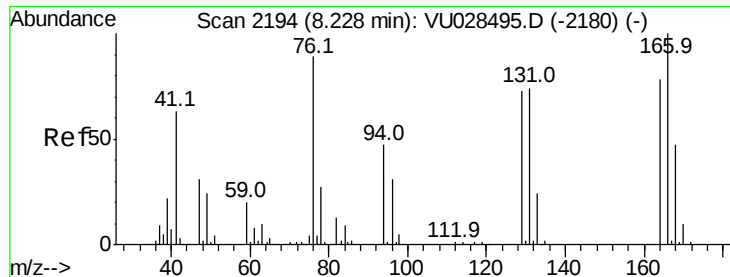


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

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

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





#64

Tetrachloroethene

Concen: 1.302 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU028696.D

Acq: 14 Dec 2018 20:28

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 1054

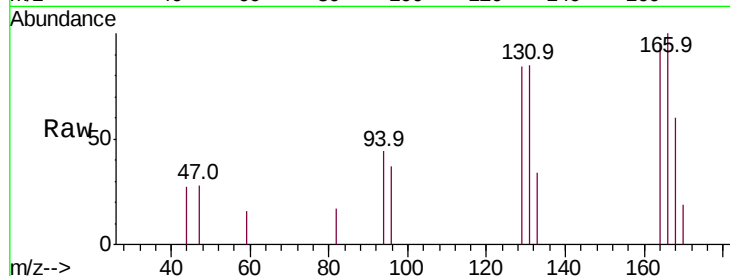
Ion Ratio Lower Upper

164 100

166 105.2 101.9 152.9

129 88.0 74.9 112.3

131 89.6 75.4 113.0



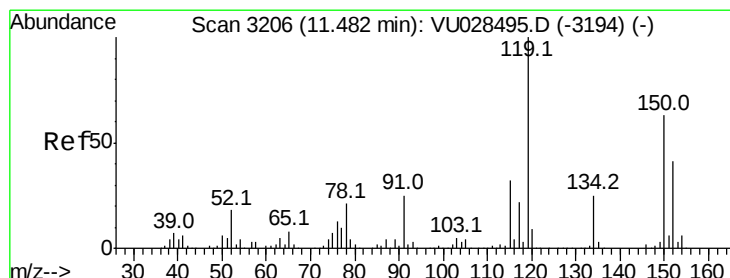
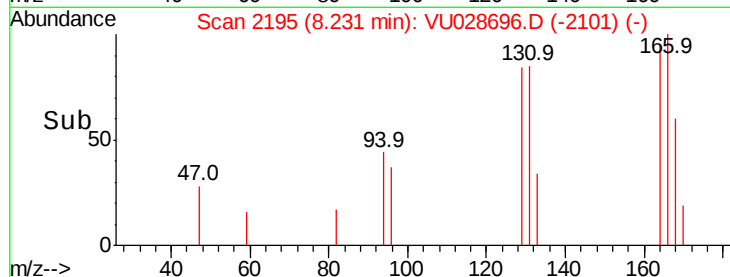
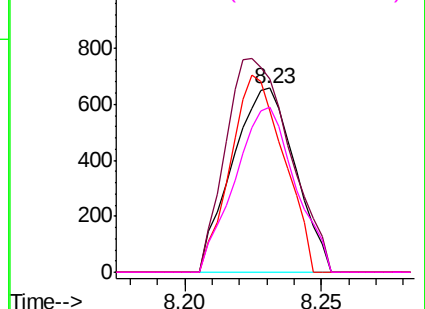
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028696.D

Acq: 14 Dec 2018 20:28

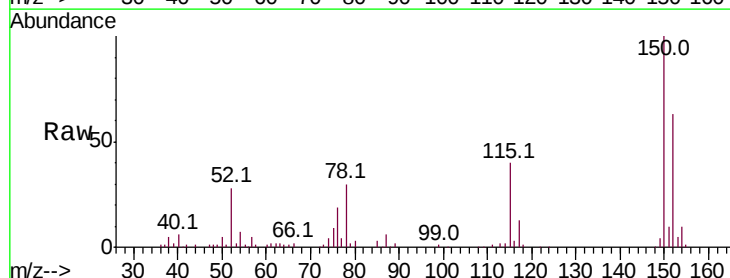
Tgt Ion:152 Resp: 47448

Ion Ratio Lower Upper

152 100

115 60.7 42.7 128.1

150 154.7 0.0 346.0

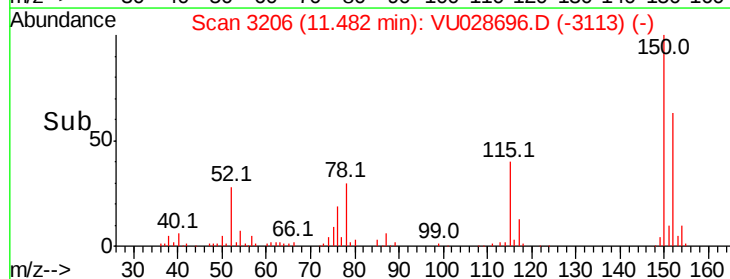
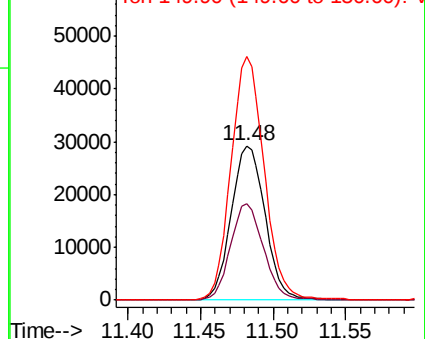


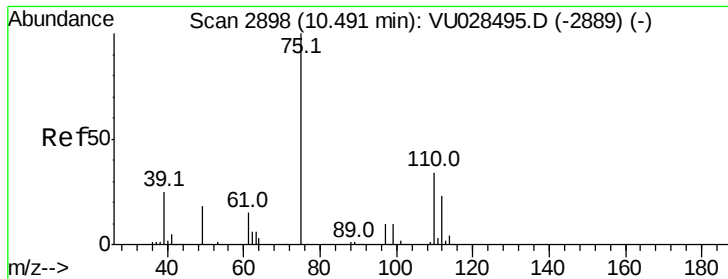
Abundance

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: 24.755 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028696.D

Acq: 14 Dec 2018 20:28

Instrument :

MSVOA_U

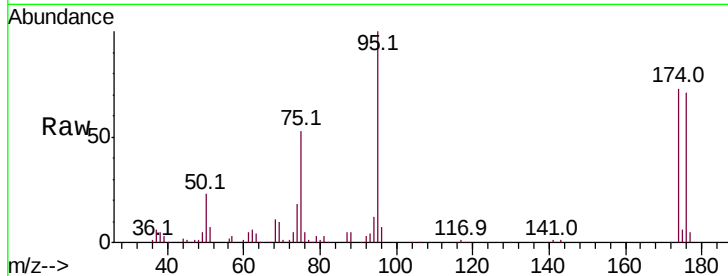
ClientSampleId :

Tot Ion: 75 Resp: 29993

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

20000

15000

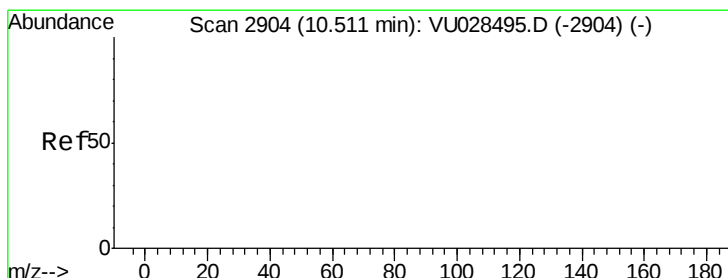
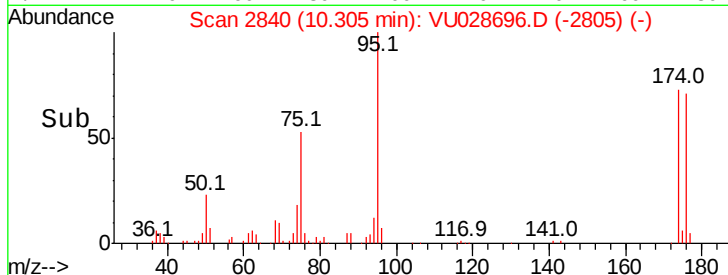
10000

5000

0

10.25 10.30 10.35

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 60.751 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028696.D

Acq: 14 Dec 2018 20:28

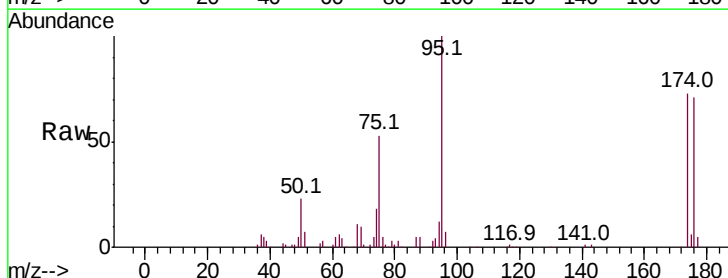
Tgt Ion: 75 Resp: 29993

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

25000

20000

15000

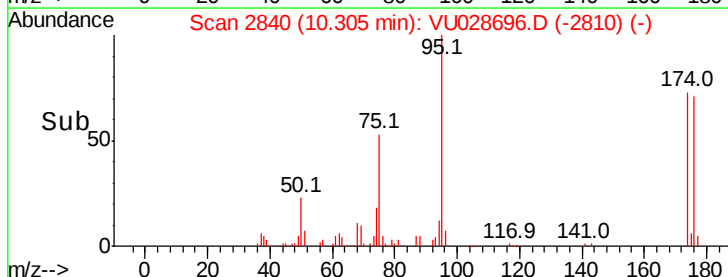
10000

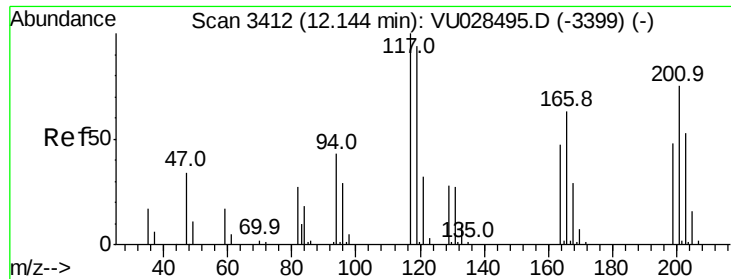
5000

0

10.25 10.30 10.35

Time-->





#90

Hexachloroethane

Concen: 0.426 ug/l

RT: 12.36 min Scan# 3479

Delta R.T. 0.22 min

Lab File: VU028696.D

Acq: 14 Dec 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:117 Resp: 204

Ion Ratio Lower Upper

117 100

201 0.0 38.1 114.5#

