

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121518\
 Data File : VU028698.D
 Acq On : 14 Dec 2018 21:16
 Operator : MD/SY
 Sample : J6393-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:24:03 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

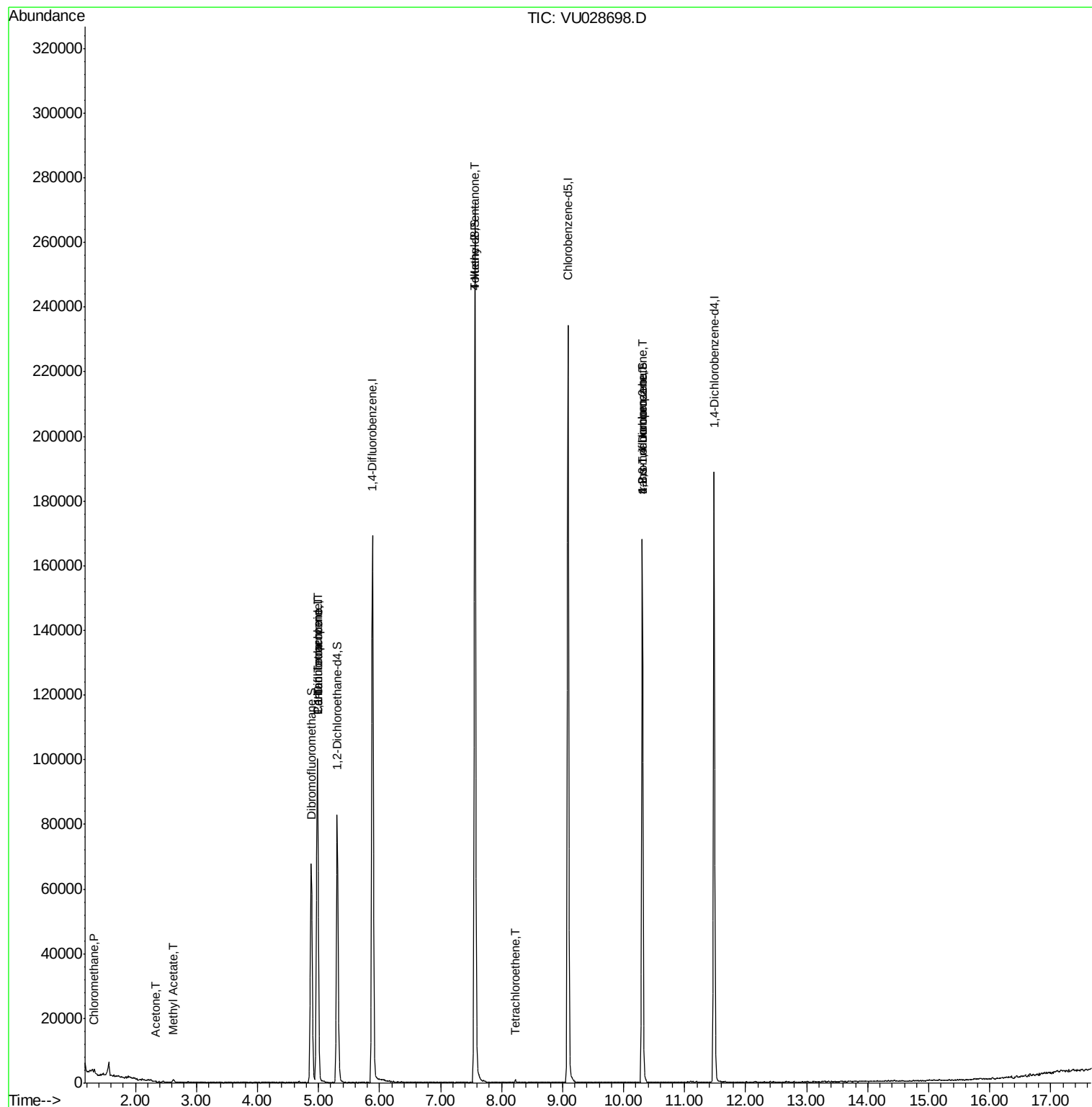
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	75346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	134321	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	121200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	45923	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	63592	55.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.62%	
35) Dibromofluoromethane	4.88	113	46516	55.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.06%	
50) Toluene-d8	7.57	98	175752	52.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.12%	
62) 4-Bromofluorobenzene	10.31	95	55374	44.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.62%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	610	0.329	ug/l	98
16) Acetone	2.33	43	389	0.518	ug/l #	44
18) Methyl Acetate	2.62	43	1391	0.715	ug/l #	83
31) Cyclohexane	4.98	56	1671	Below Cal	#	5
36) 1,1-Dichloropropene	4.98	75	6518	4.434	ug/l #	48
38) Carbon Tetrachloride	4.98	117	7380	6.229	ug/l #	15
51) 4-Methyl-2-Pentanone	7.56	43	947	0.500	ug/l #	1
64) Tetrachloroethene	8.22	164	259	0.320	ug/l #	70
76) 1,2,3-Trichloropropane	10.31	75	29305	24.990	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	29305	61.323	ug/l #	100

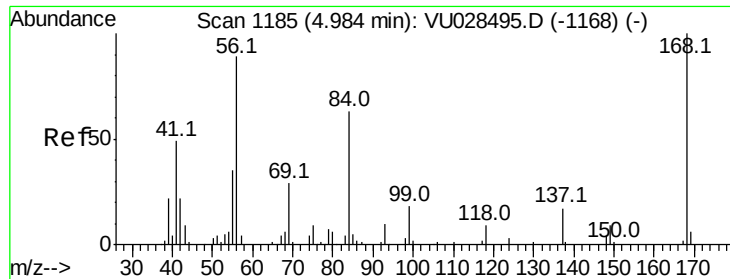
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VU028698.D

Acq: 14 Dec 2018 21:16

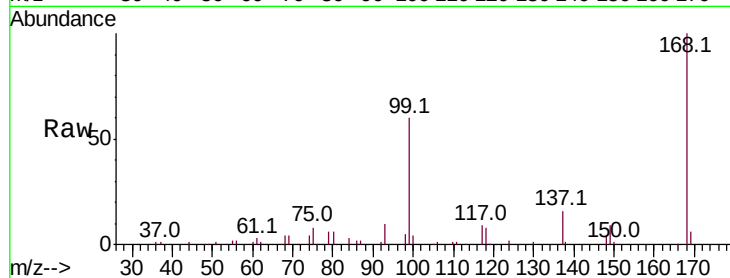
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 75346

Ion Ratio Lower Upper

168 100

99 59.9 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

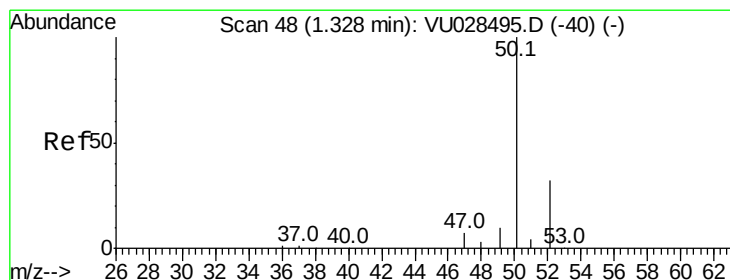
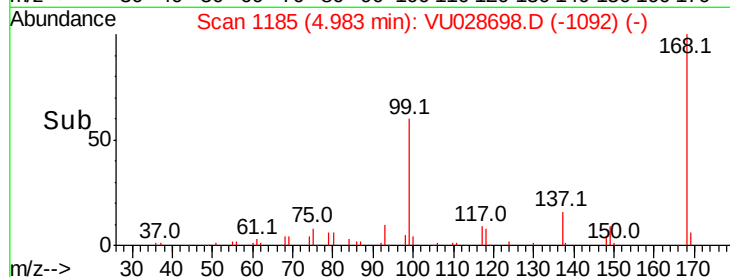
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.329 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028698.D

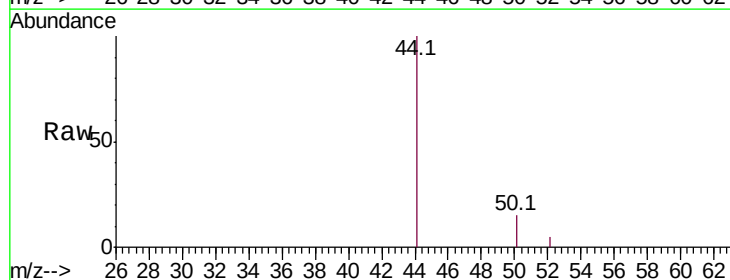
Acq: 14 Dec 2018 21:16

Tgt Ion: 50 Resp: 610

Ion Ratio Lower Upper

50 100

52 30.9 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

600

500

400

300

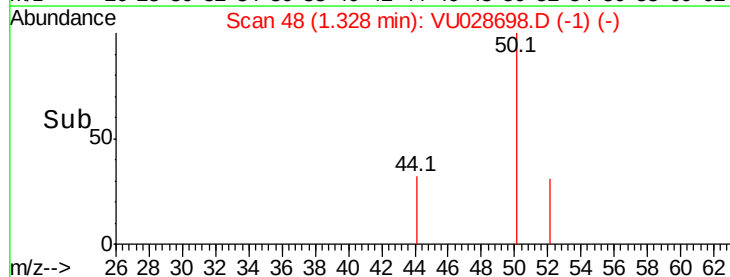
200

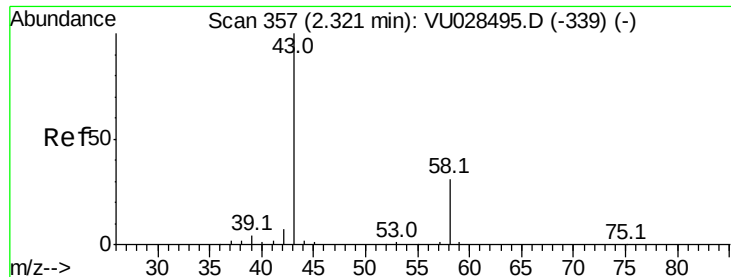
100

0

1.30 1.32 1.34 1.36

Time-->





#16

Acetone

Concen: 0.518 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.01 min

Lab File: VU028698.D

Acq: 14 Dec 2018 21:16

Instrument :

MSVOA_U

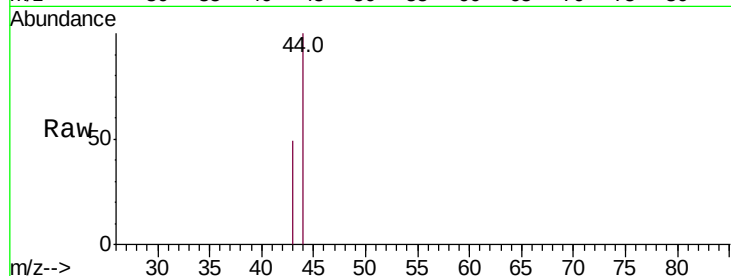
ClientSampleId :

Tot Ion: 43 Resp: 389

Ion Ratio Lower Upper

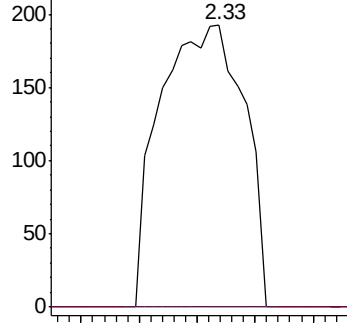
43 100

58 0.0 24.6 37.0#

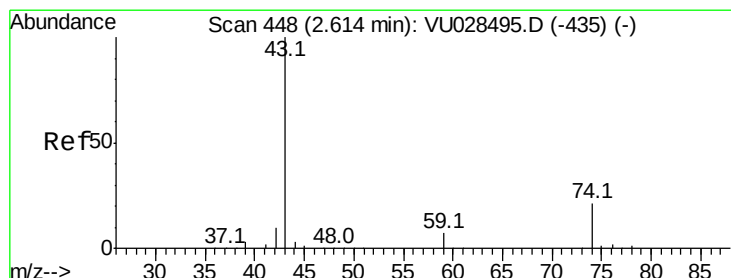
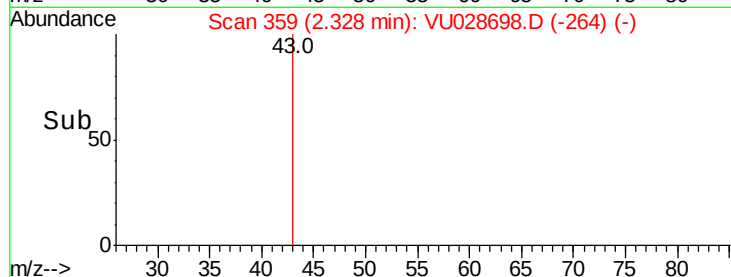


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#18

Methyl Acetate

Concen: 0.715 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028698.D

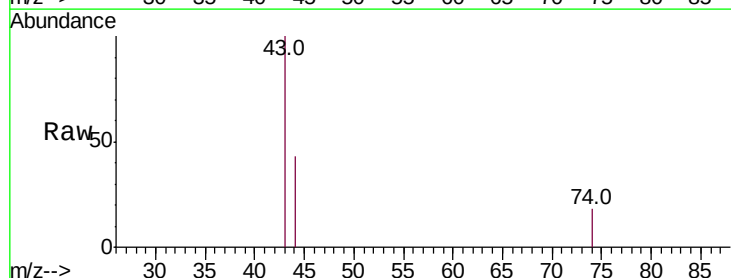
Acq: 14 Dec 2018 21:16

Tgt Ion: 43 Resp: 1391

Ion Ratio Lower Upper

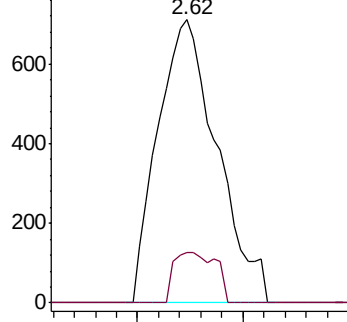
43 100

74 12.6 16.4 24.6#

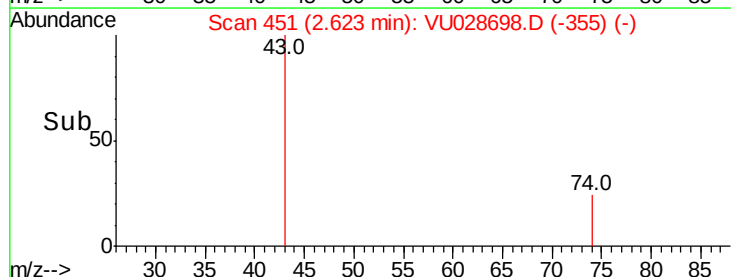


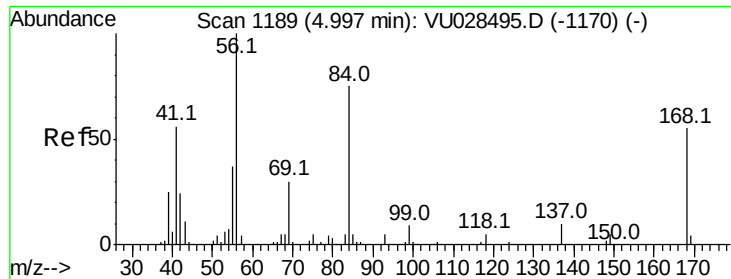
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



Time-->

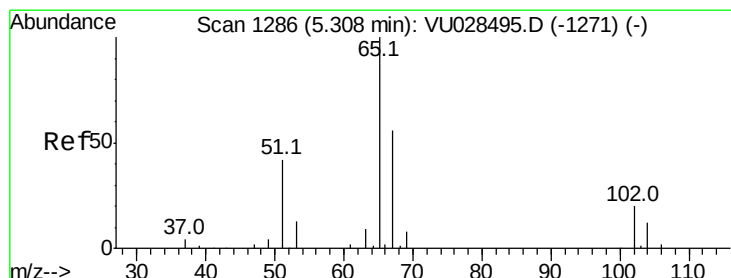
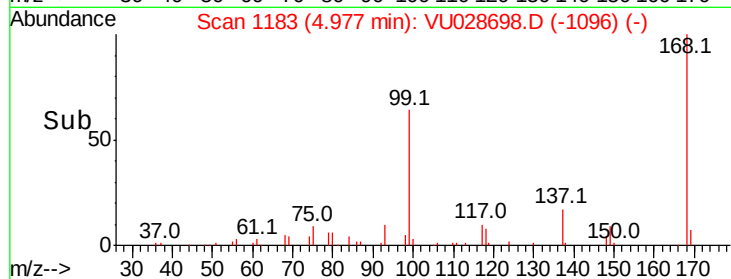
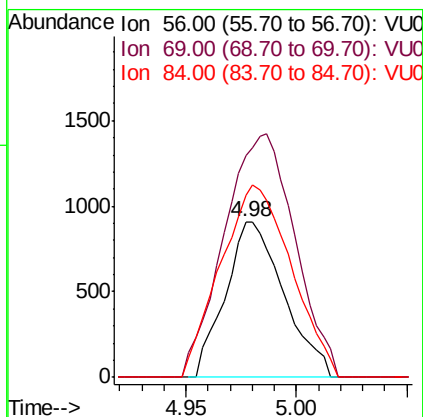
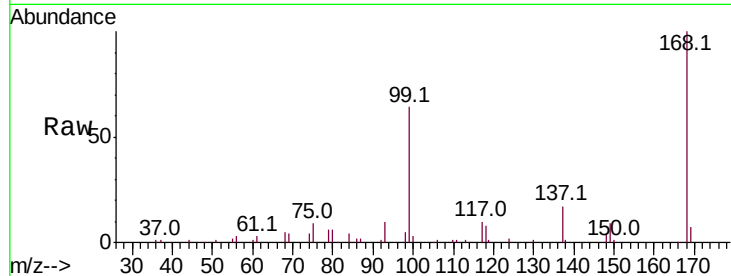




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VU028698.D
Acq: 14 Dec 2018 21:16

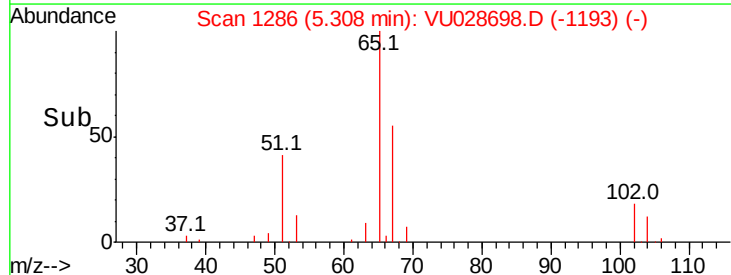
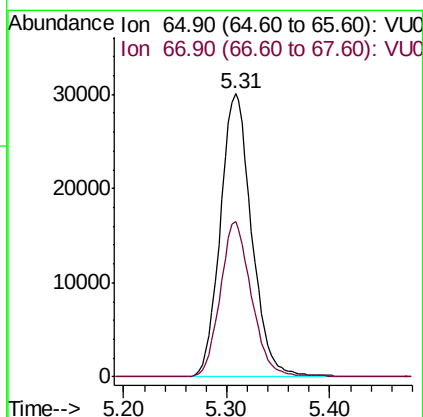
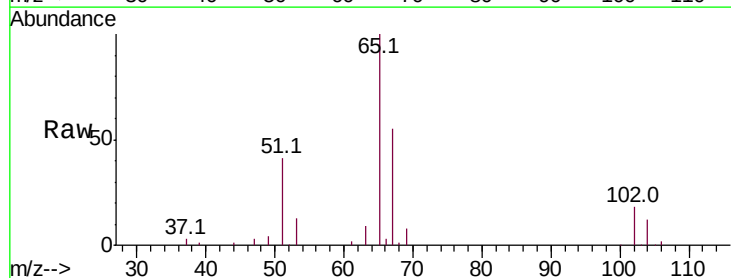
Instrument :
MSVOA_U
ClientSampled :

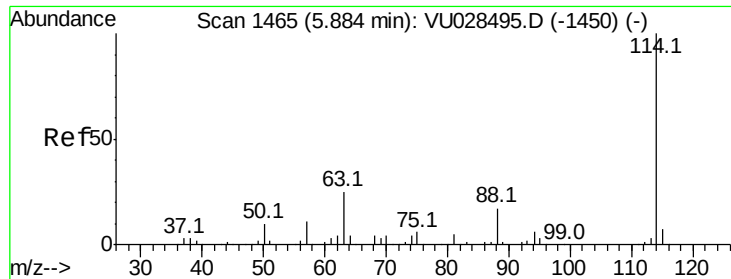
Tot Ion: 56 Resp: 1671
Ion Ratio Lower Upper
56 100
69 142.4 24.0 36.0#
84 117.2 59.7 89.5#



#33
1,2-Dichloroethane-d4
Concen: 55.306 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028698.D
Acq: 14 Dec 2018 21:16

Tgt Ion: 65 Resp: 63592
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.6

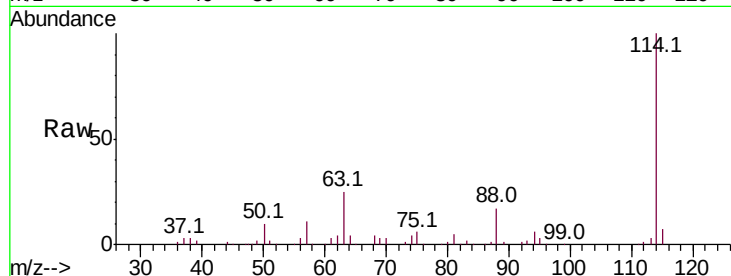




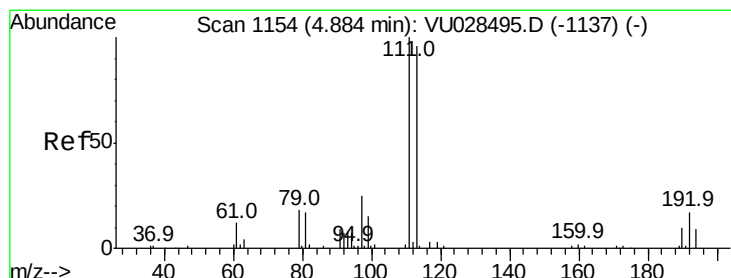
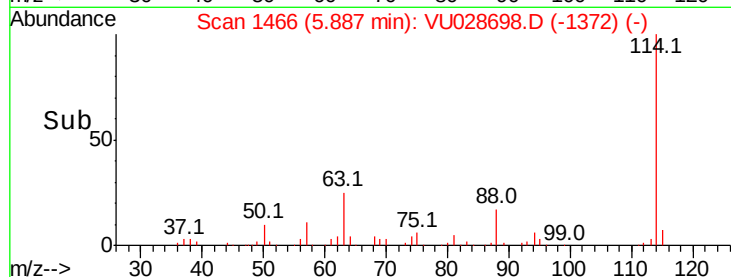
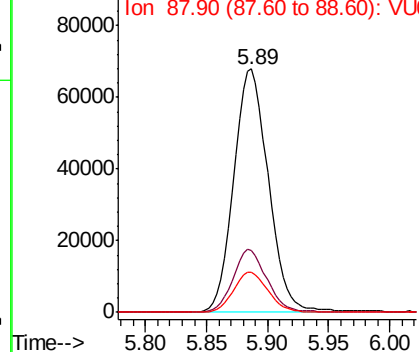
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028698.D
 Acq: 14 Dec 2018 21:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:114 Resp: 134321
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 49.2
 88 16.6 0.0 33.4

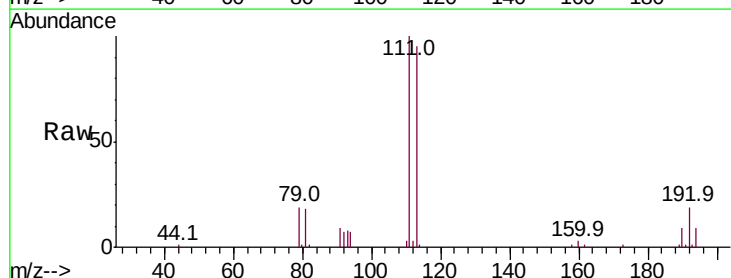


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

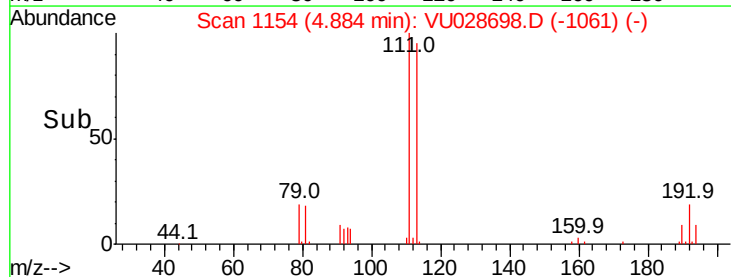
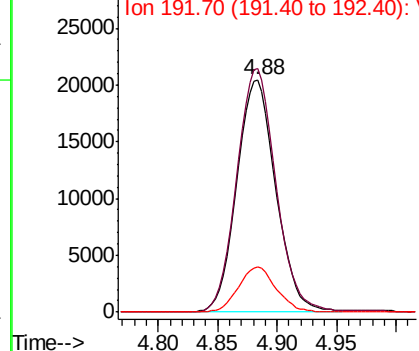


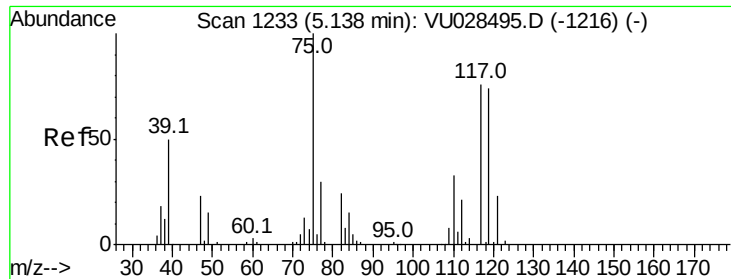
#35
 Dibromofluoromethane
 Concen: 55.030 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028698.D
 Acq: 14 Dec 2018 21:16

Tgt Ion:113 Resp: 46516
 Ion Ratio Lower Upper
 113 100
 111 105.1 83.4 125.0
 192 18.7 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

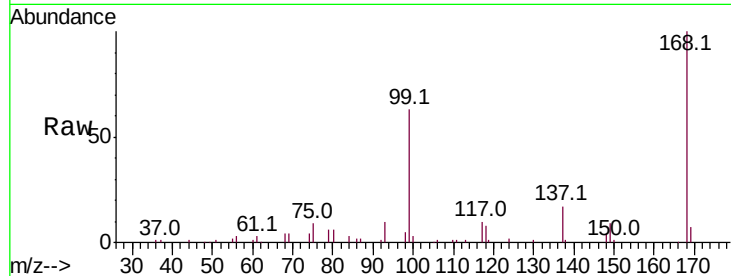




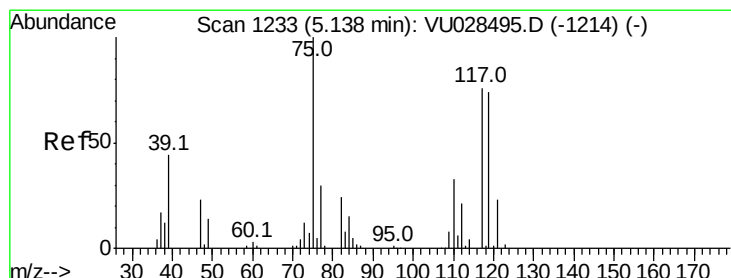
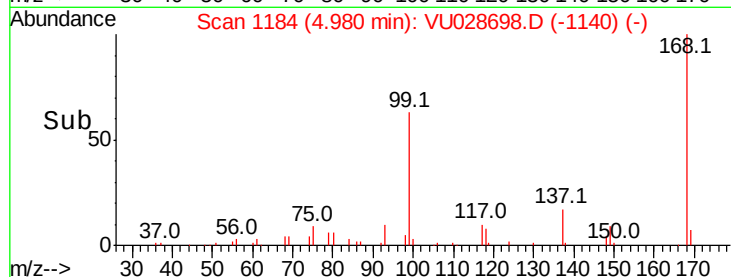
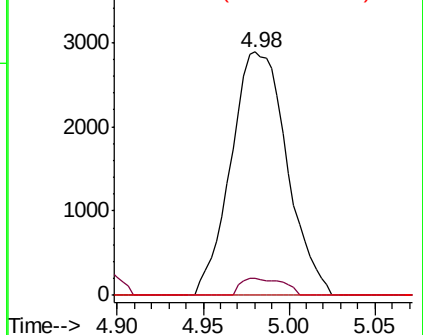
#36
 1,1-Dichloropropene
 Concen: 4.434 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028698.D
 Acq: 14 Dec 2018 21:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	5.2	16.1	48.2#
77	0.0	24.5	36.7#

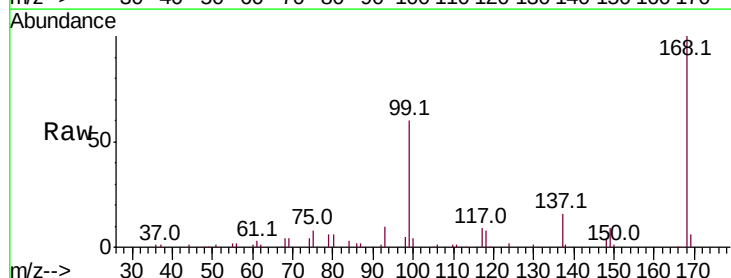


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

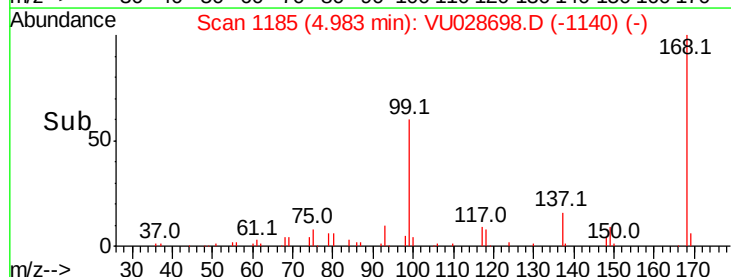
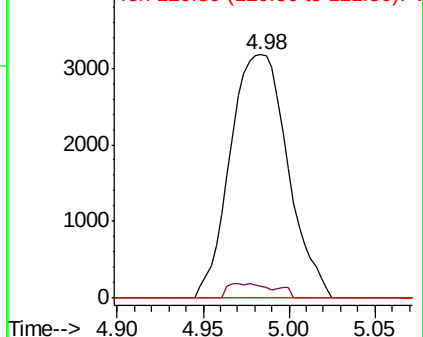


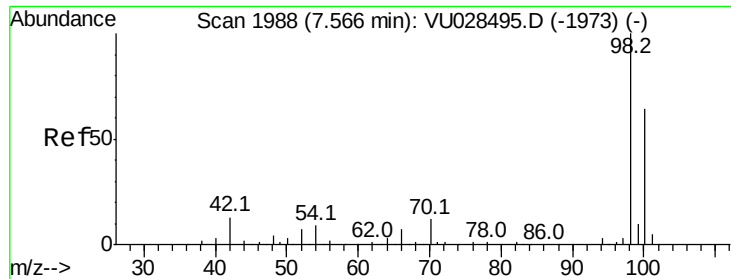
#38
 Carbon Tetrachloride
 Concen: 6.229 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028698.D
 Acq: 14 Dec 2018 21:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	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: 52.560 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028698.D

Acq: 14 Dec 2018 21:16

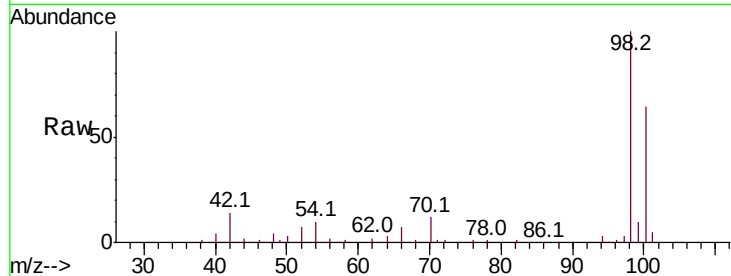
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 98 Resp: 175752

Ion Ratio Lower Upper

98 100

100 63.0 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

100000

80000

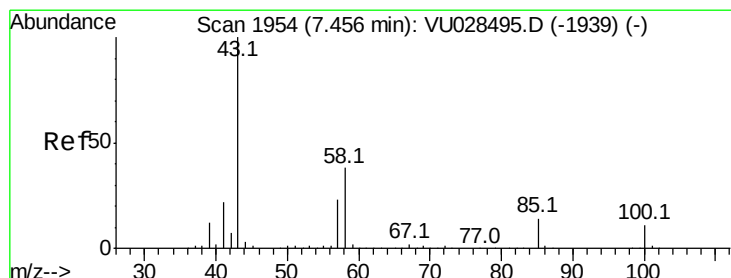
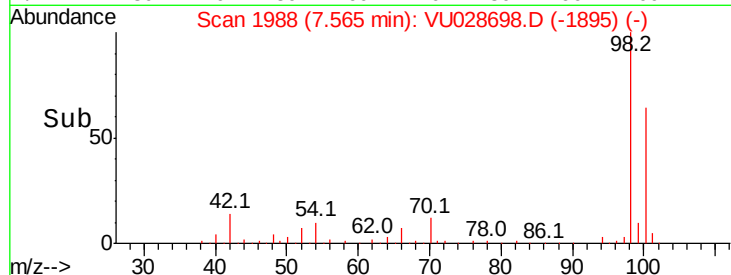
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.500 ug/l

RT: 7.56 min Scan# 1986

Delta R.T. 0.10 min

Lab File: VU028698.D

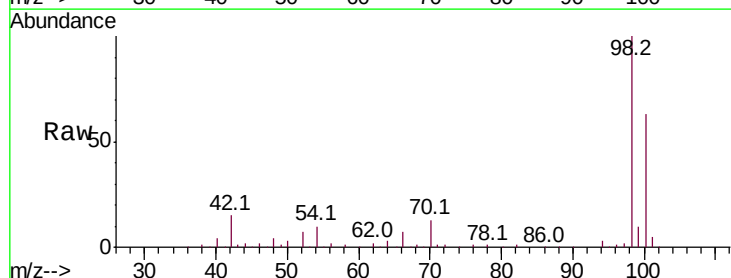
Acq: 14 Dec 2018 21:16

Tgt Ion: 43 Resp: 947

Ion Ratio Lower Upper

43 100

58 160.2 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) (-)

7.56

1000

800

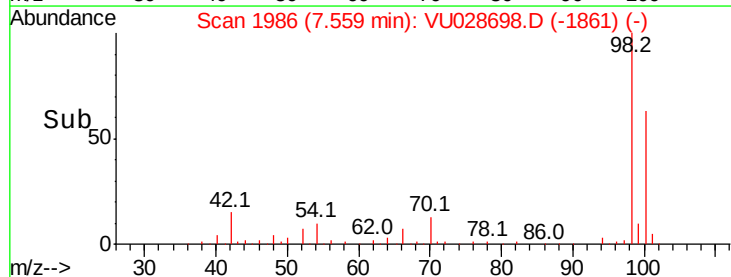
600

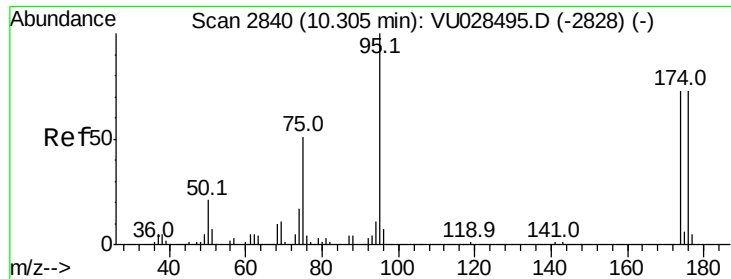
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 44.306 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028698.D

Acq: 14 Dec 2018 21:16

Instrument :

MSVOA_U

ClientSampleId :

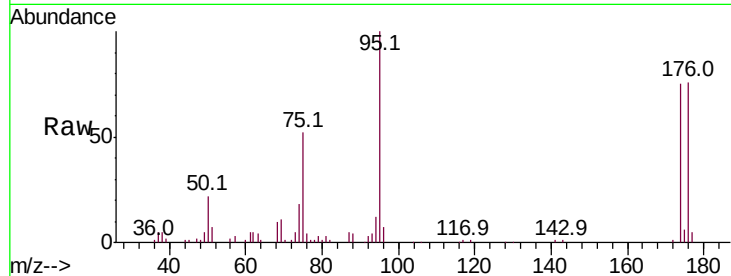
Tot Ion: 95 Resp: 55374

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.4

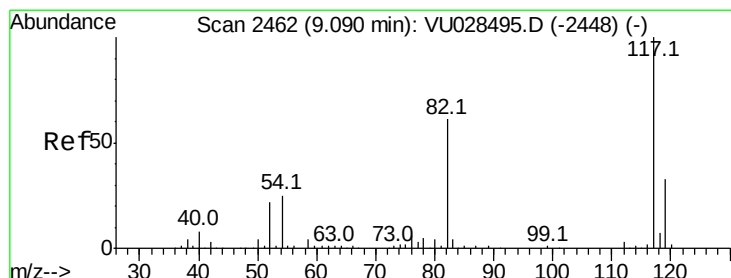
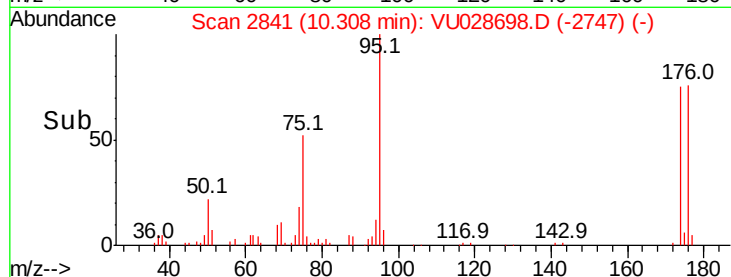
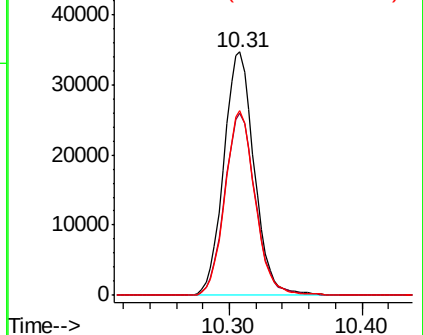
176 74.8 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028698.D

Acq: 14 Dec 2018 21:16

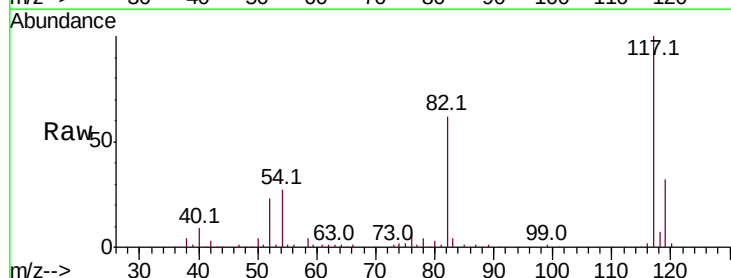
Tgt Ion: 117 Resp: 121200

Ion Ratio Lower Upper

117 100

82 61.7 48.9 73.3

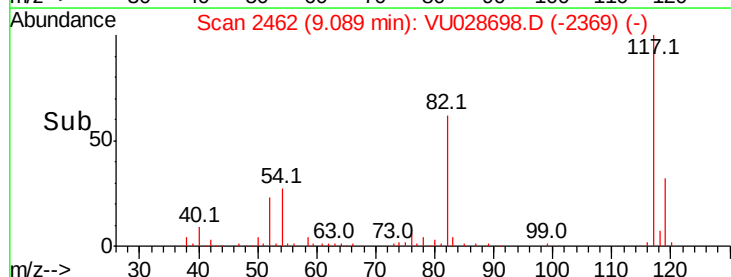
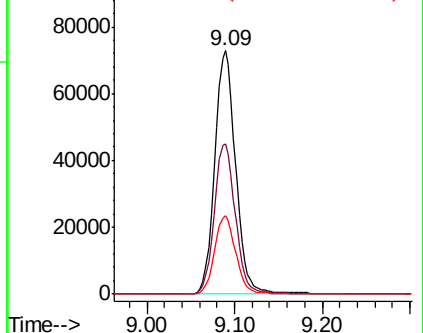
119 32.2 26.2 39.4

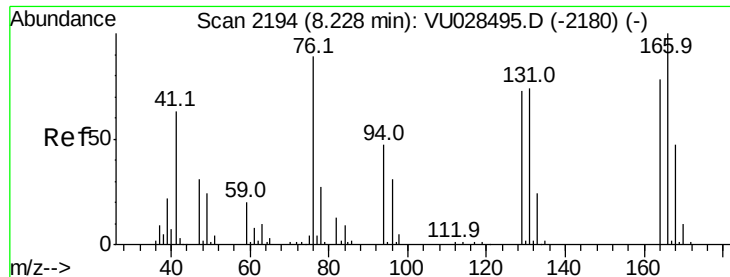


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.320 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028698.D

Acq: 14 Dec 2018 21:16

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 259

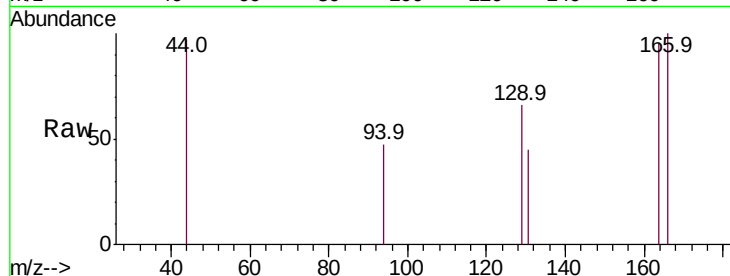
Ion Ratio Lower Upper

164 100

166 104.8 101.9 152.9

129 68.7 74.9 112.3#

131 47.6 75.4 113.0#



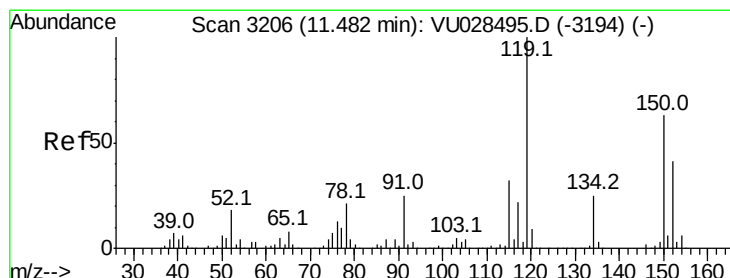
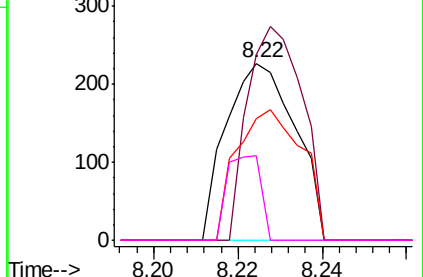
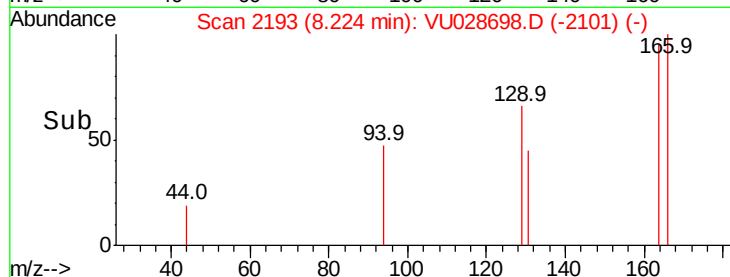
Abundance Ion 163.80 (163.50 to 164.50): V

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

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028698.D

Acq: 14 Dec 2018 21:16

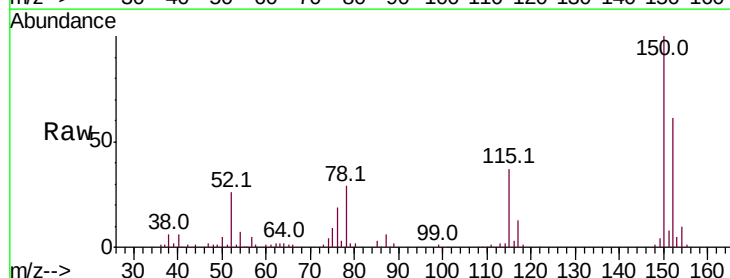
Tgt Ion:152 Resp: 45923

Ion Ratio Lower Upper

152 100

115 61.3 42.7 128.1

150 160.7 0.0 346.0

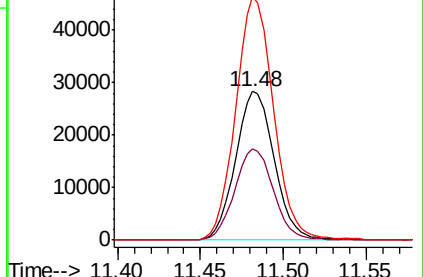
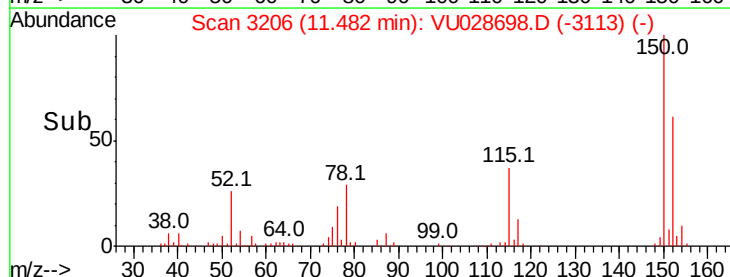


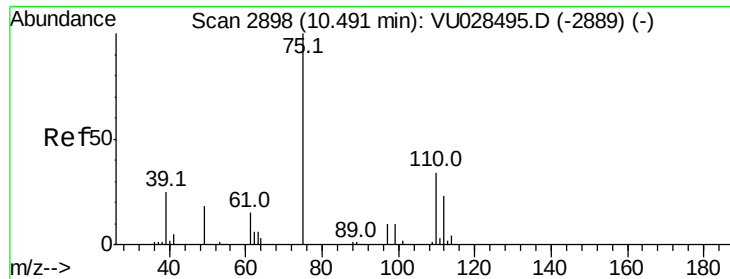
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->





#76

1,2,3-Trichloropropane

Concen: 24.990 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.18 min

Lab File: VU028698.D

Acq: 14 Dec 2018 21:16

Instrument :

MSVOA_U

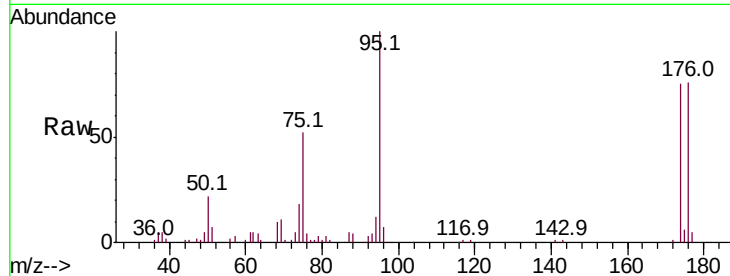
ClientSampled :

Tot Ion: 75 Resp: 29305

Ion Ratio Lower Upper

75 100

77 0.8 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

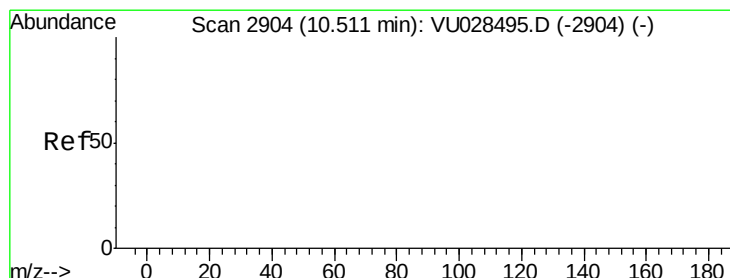
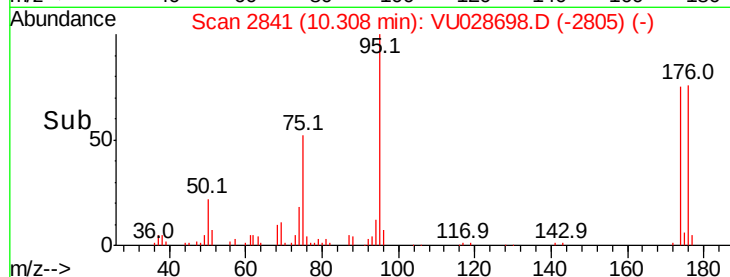
10000

5000

0

10.25 10.30 10.35 10.40

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.323 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028698.D

Acq: 14 Dec 2018 21:16

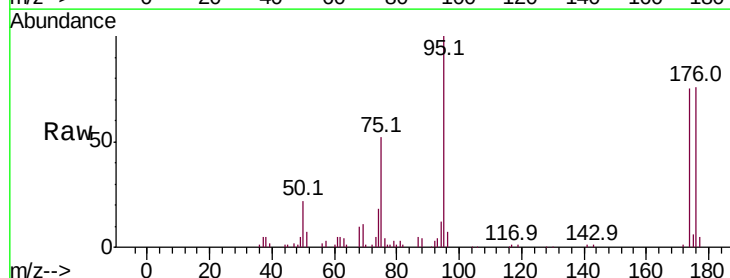
Tgt Ion: 75 Resp: 29305

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 10.40

Time-->

