

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121518\
 Data File : VU028689.D
 Acq On : 14 Dec 2018 17:39
 Operator : MD/SY
 Sample : J6393-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:22:37 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	76899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	138562	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	124910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	49161	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	65156	55.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.04%	
35) Dibromofluoromethane	4.88	113	47390	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
50) Toluene-d8	7.57	98	179025	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
62) 4-Bromofluorobenzene	10.30	95	57925	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	

Target Compounds

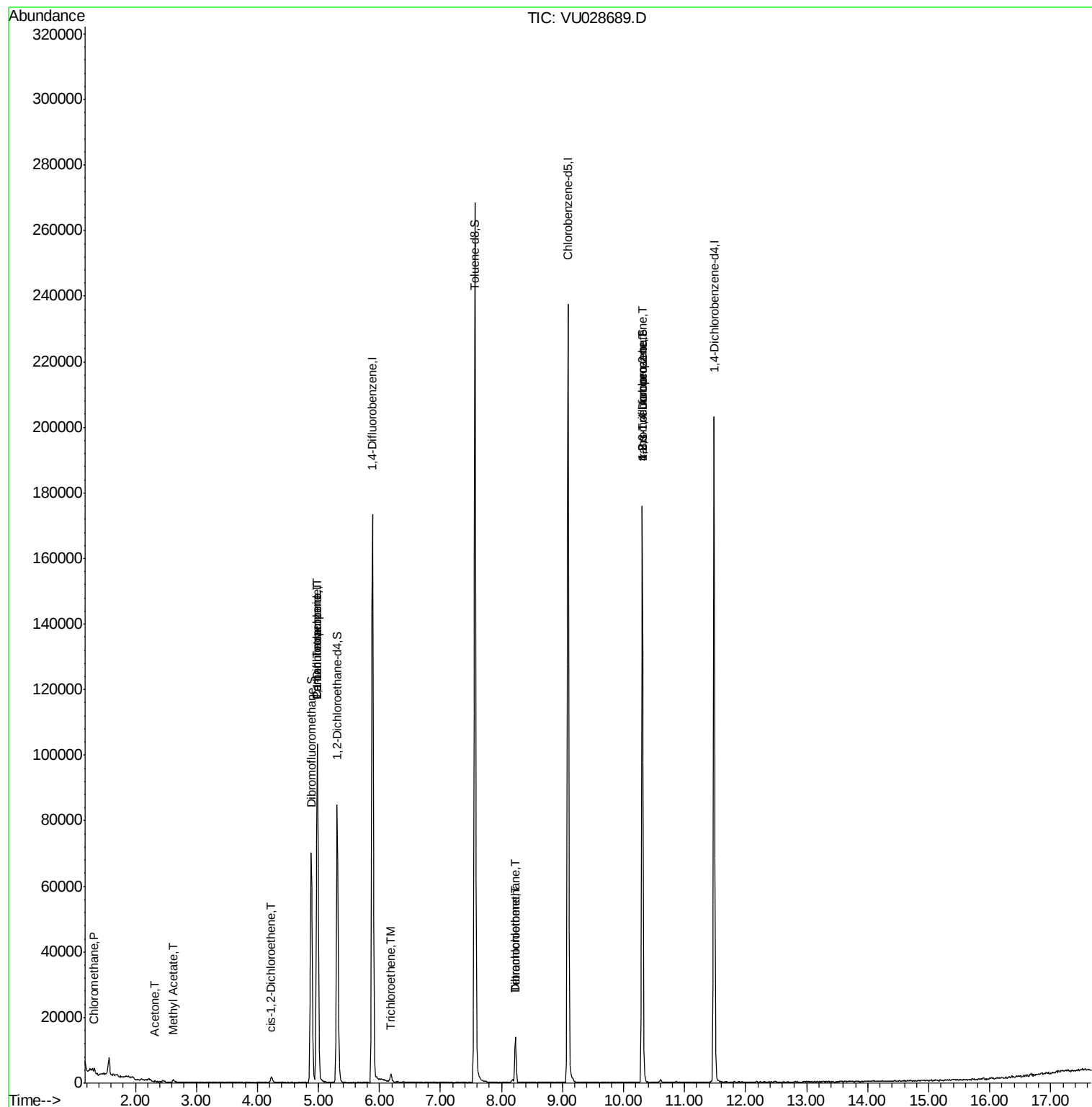
					Qvalue	
3) Chloromethane	1.33	50	704	0.372	ug/l	93
16) Acetone	2.32	43	392	0.512	ug/l #	44
18) Methyl Acetate	2.62	43	1324	0.667	ug/l #	79
27) cis-1,2-Dichloroethene	4.22	96	918	0.841	ug/l	96
31) Cyclohexane	4.98	56	1957	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	6830	4.504	ug/l #	49
38) Carbon Tetrachloride	4.98	117	7618	6.233	ug/l #	14
44) Trichloroethene	6.19	130	918	0.925	ug/l	98
60) Dibromochloromethane	8.22	129	2897	2.848	ug/l #	10
64) Tetrachloroethene	8.23	164	3012	3.615	ug/l	98
76) 1,2,3-Trichloropropane	10.30	75	29959	23.865	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	29959	58.586	ug/l #	100

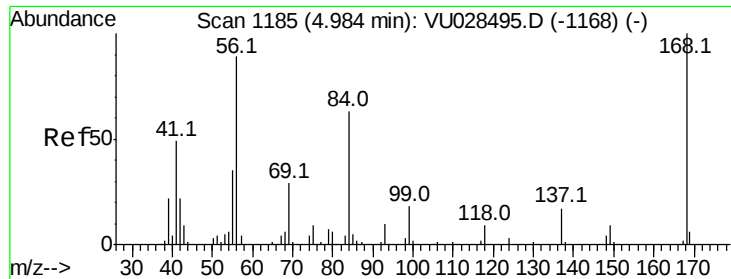
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
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: VU028689.D

Acq: 14 Dec 2018 17:39

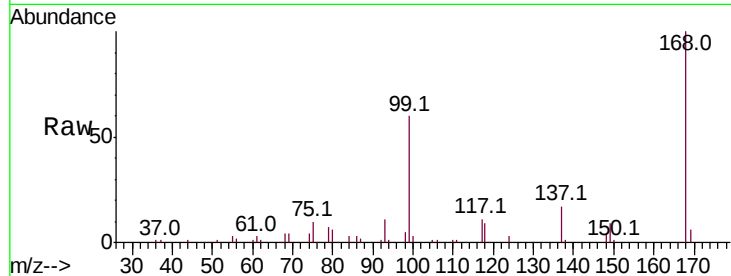
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 76899

Ion Ratio Lower Upper

168 100

99 60.1 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

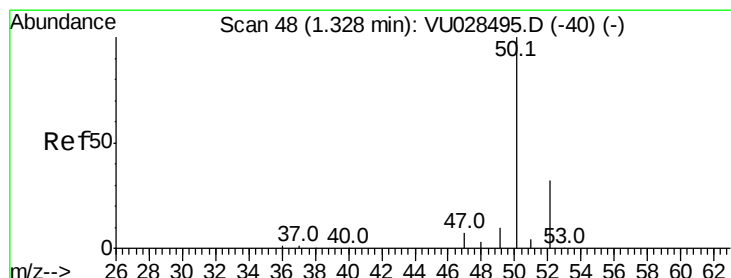
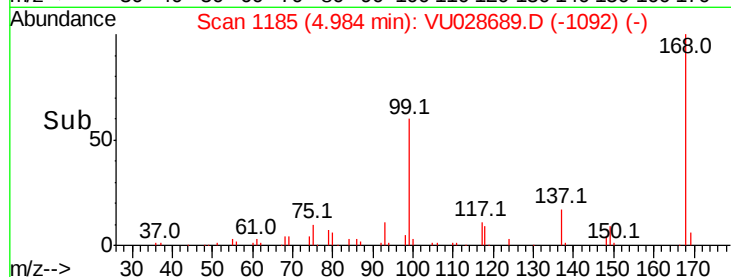
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.372 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028689.D

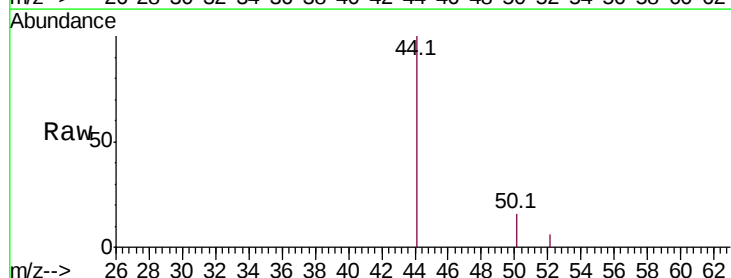
Acq: 14 Dec 2018 17:39

Tgt Ion: 50 Resp: 704

Ion Ratio Lower Upper

50 100

52 35.6 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

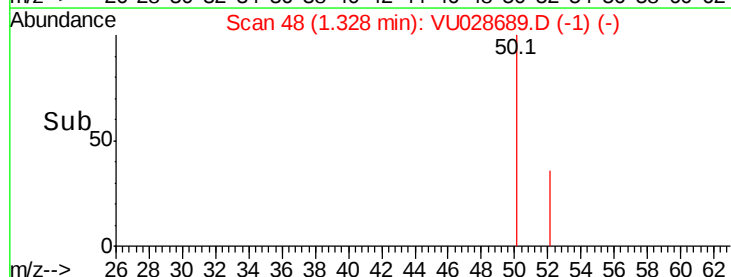
400

200

0

1.30 1.32 1.34 1.36

Time-->





#16

Acetone

Concen: 0.512 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028689.D

Acq: 14 Dec 2018 17:39

Instrument :

MSVOA_U

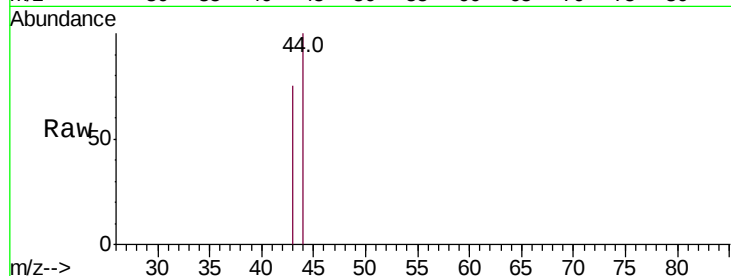
ClientSampleId :

Tot Ion: 43 Resp: 392

Ion Ratio Lower Upper

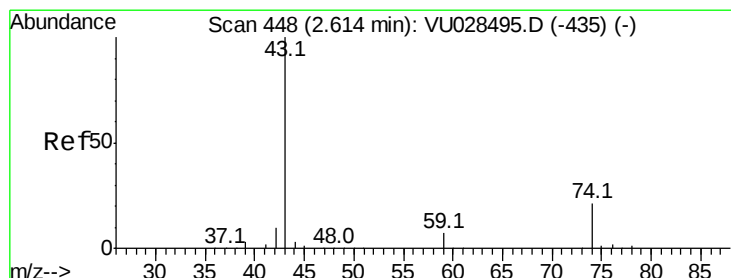
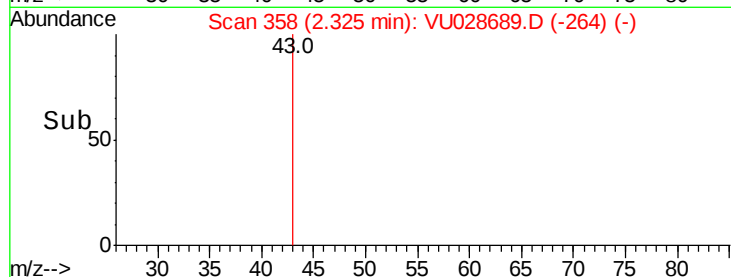
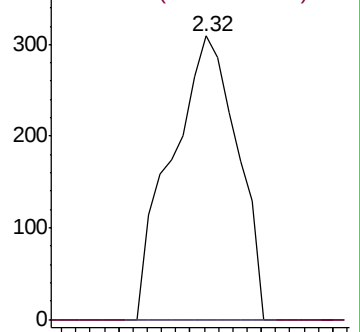
43 100

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



#18

Methyl Acetate

Concen: 0.667 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028689.D

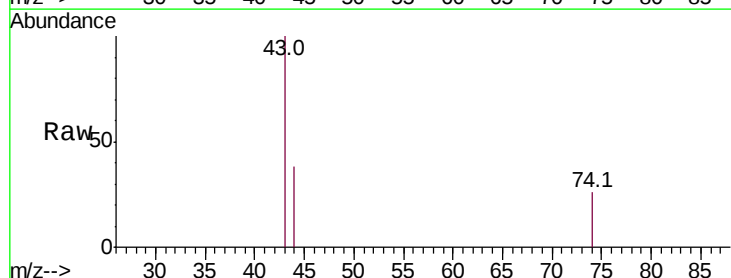
Acq: 14 Dec 2018 17:39

Tgt Ion: 43 Resp: 1324

Ion Ratio Lower Upper

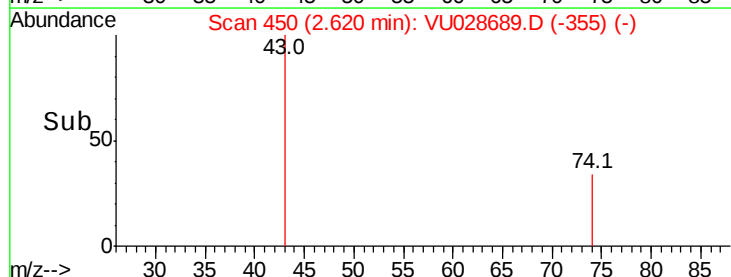
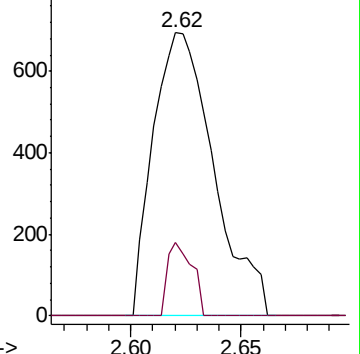
43 100

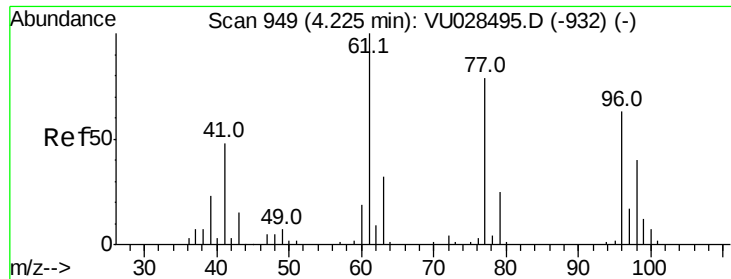
74 10.6 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



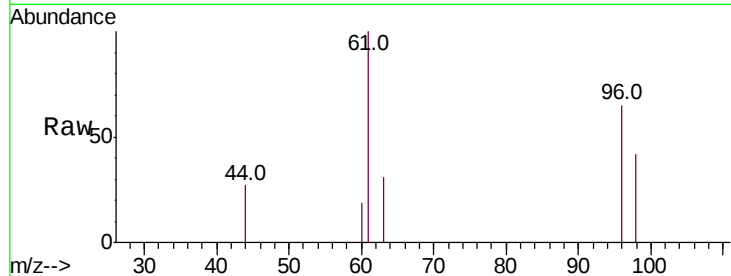


#27

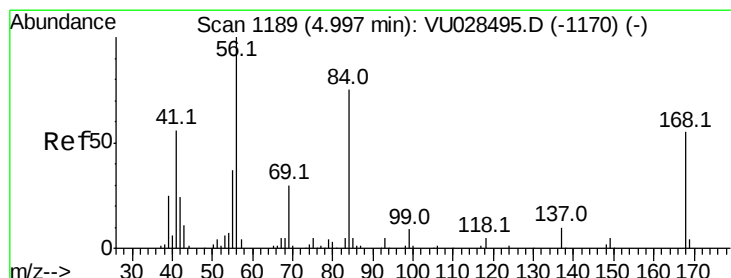
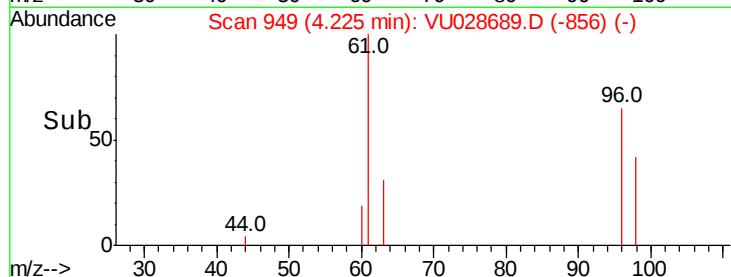
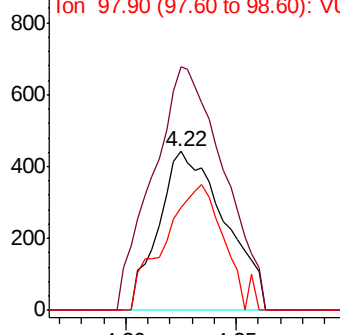
cis-1,2-Dichloroethene
 Concen: 0.841 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028689.D
 Acq: 14 Dec 2018 17:39

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 918
 Ion Ratio Lower Upper
 96 100
 61 163.9 0.0 332.4
 98 71.6 0.0 129.0



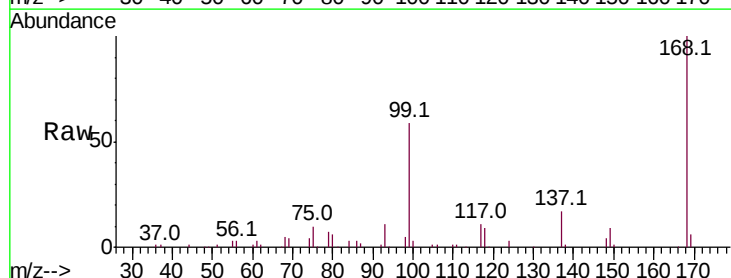
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



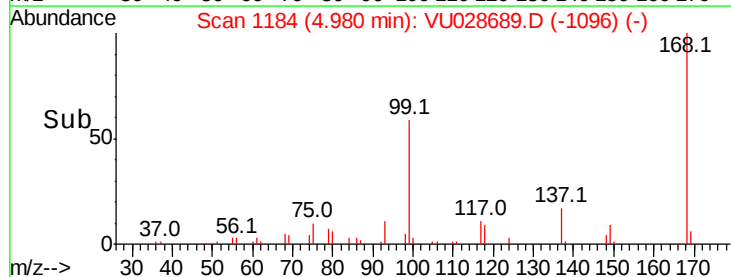
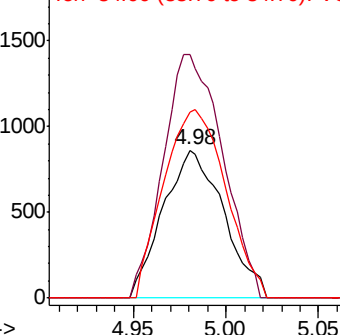
#31

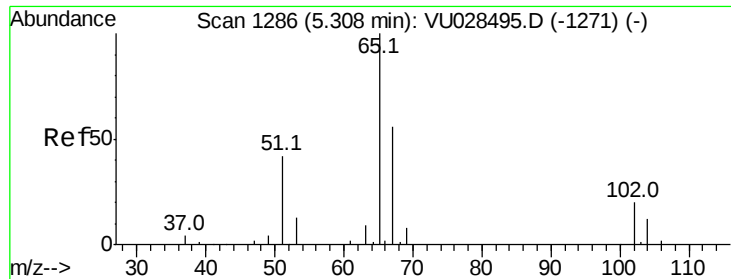
Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VU028689.D
 Acq: 14 Dec 2018 17:39

Tgt Ion: 56 Resp: 1957
 Ion Ratio Lower Upper
 56 100
 69 164.7 24.0 36.0#
 84 126.1 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

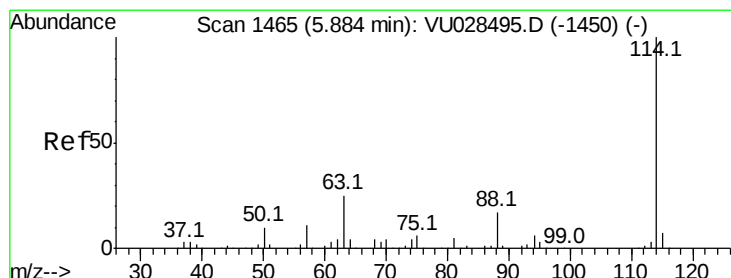
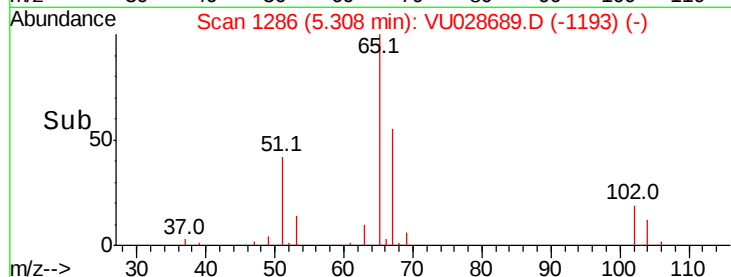
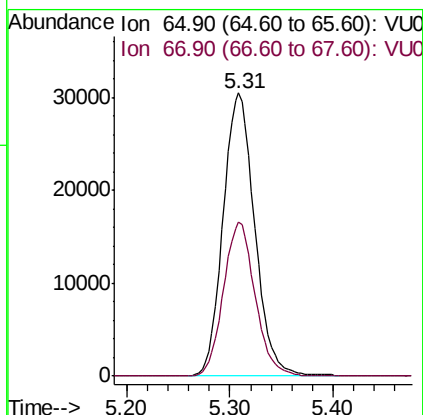
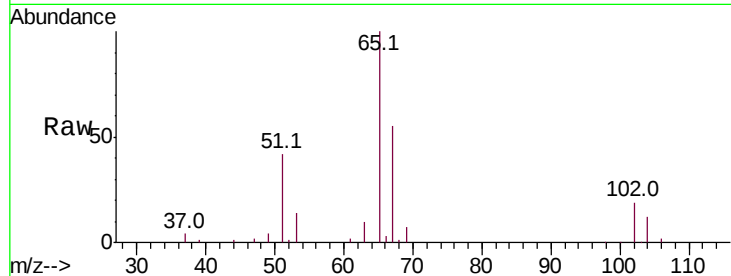




#33
 1,2-Dichloroethane-d4
 Concen: 55.521 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028689.D
 Acq: 14 Dec 2018 17:39

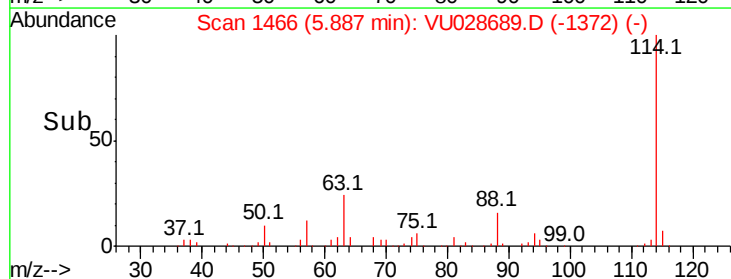
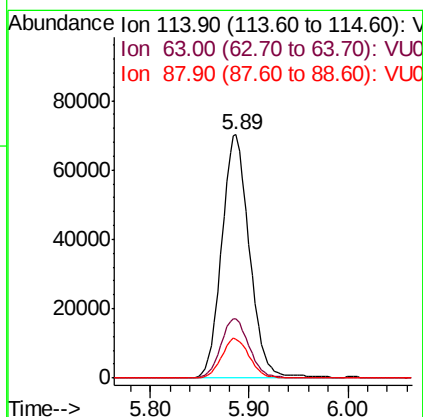
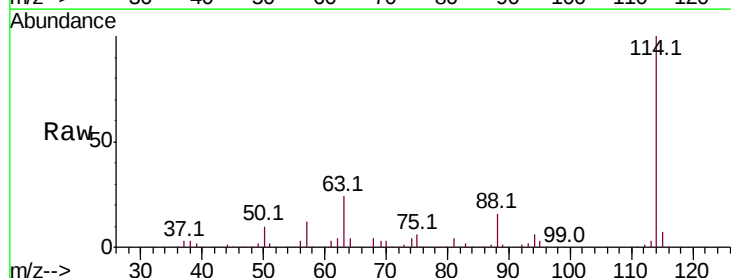
Instrument :
 MSVOA_U
 ClientSampleId :

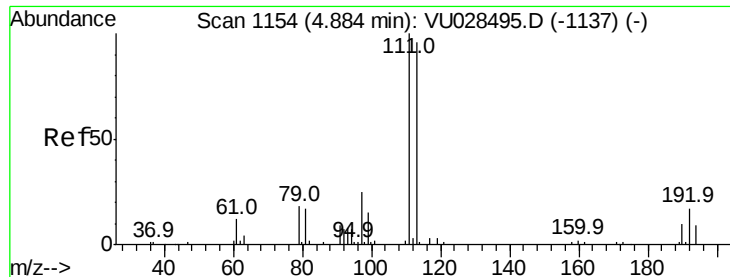
Tot Ion: 65 Resp: 65156
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028689.D
 Acq: 14 Dec 2018 17:39

Tgt Ion:114 Resp: 138562
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.1 0.0 33.4

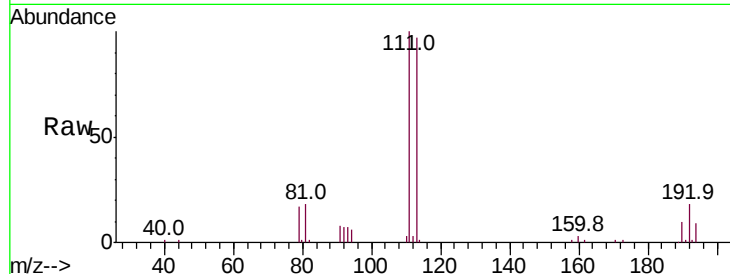




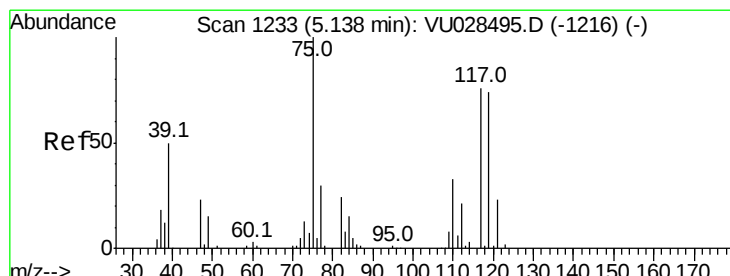
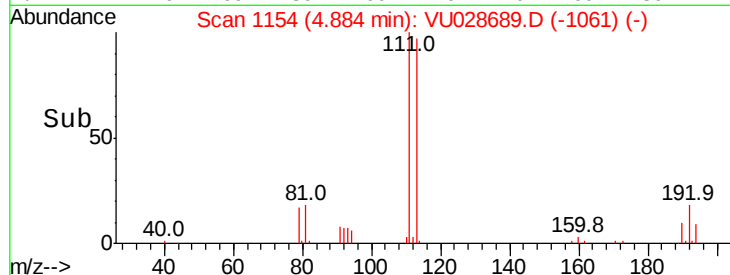
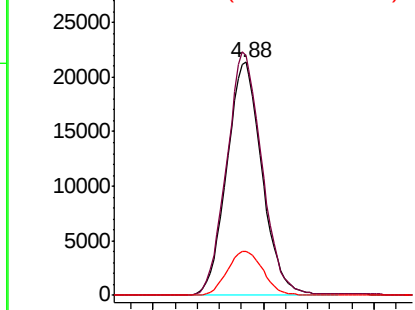
#35
 Dibromofluoromethane
 Concen: 54.348 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028689.D
 Acq: 14 Dec 2018 17:39

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:113 Resp: 47390
 Ion Ratio Lower Upper
 113 100
 111 104.5 83.4 125.0
 192 19.1 14.8 22.2

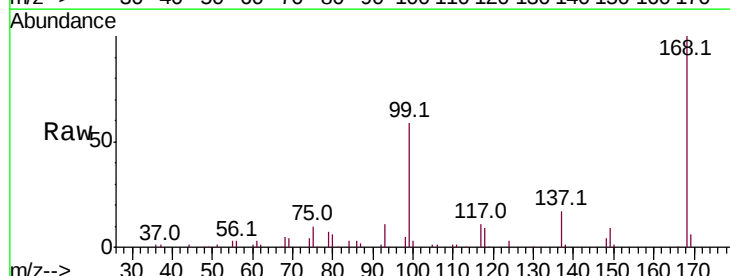


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

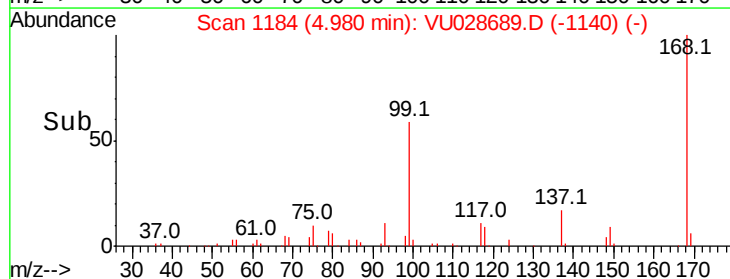
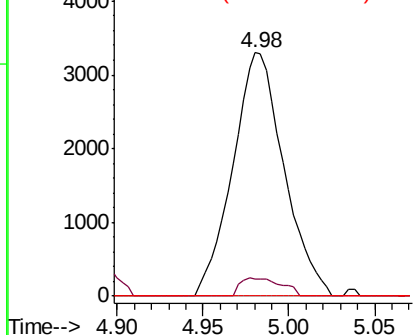


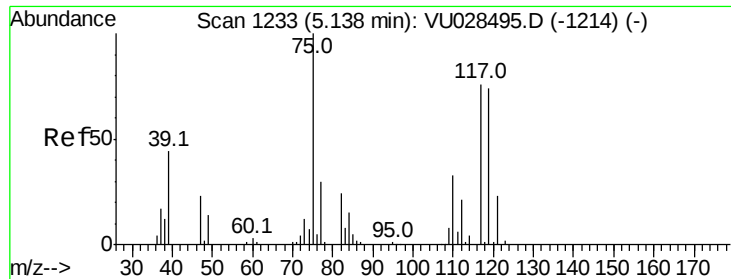
#36
 1,1-Dichloropropene
 Concen: 4.504 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028689.D
 Acq: 14 Dec 2018 17:39

Tgt Ion: 75 Resp: 6830
 Ion Ratio Lower Upper
 75 100
 110 6.0 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: 6.233 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028689.D

Acq: 14 Dec 2018 17:39

Instrument :

MSVOA_U

ClientSampleId :

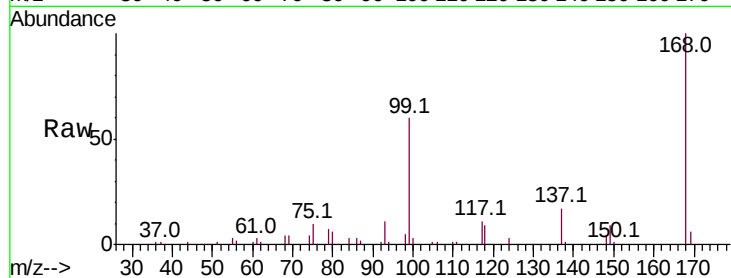
Tot Ion:117 Resp: 7618

Ion Ratio Lower Upper

117 100

119 3.5 77.6 116.4#

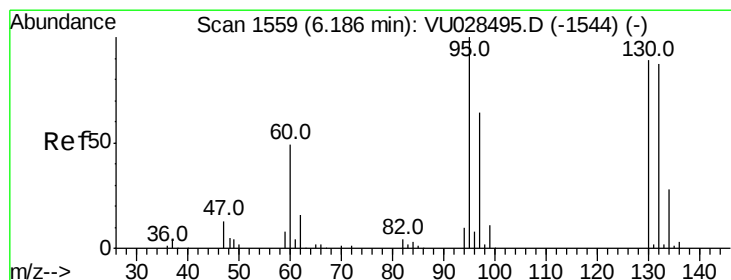
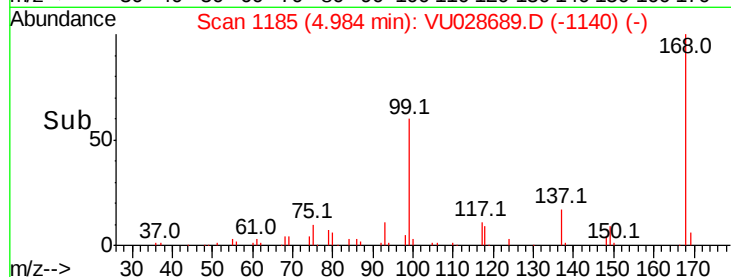
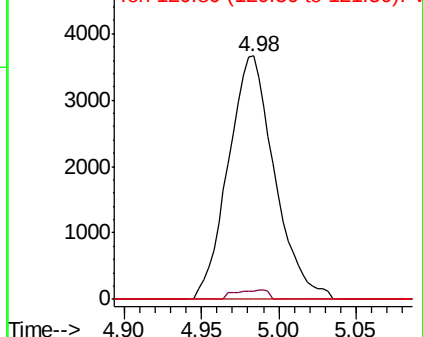
121 0.0 24.6 36.8#



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



#44

Trichloroethene

Concen: 0.925 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028689.D

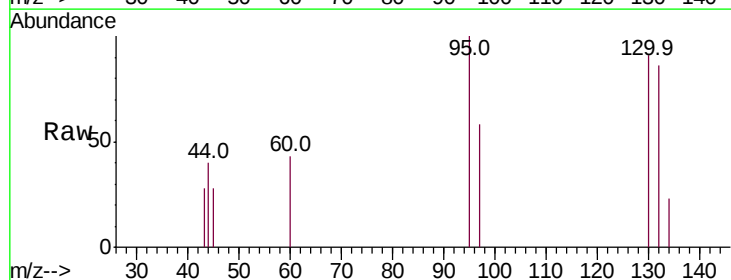
Acq: 14 Dec 2018 17:39

Tgt Ion:130 Resp: 918

Ion Ratio Lower Upper

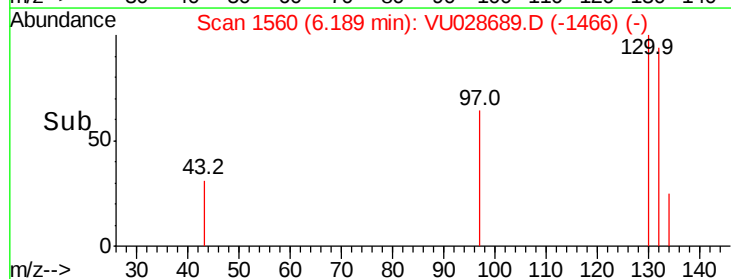
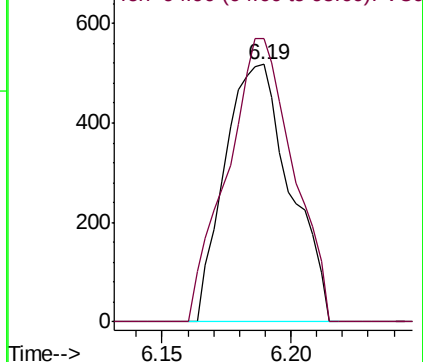
130 100

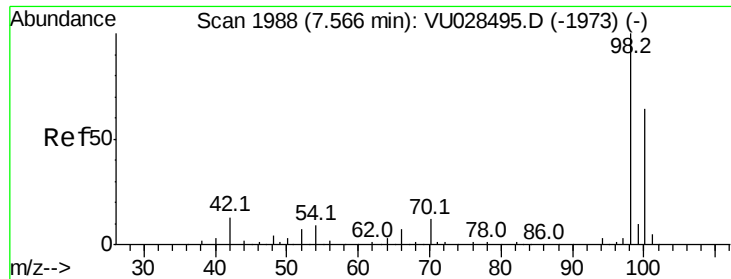
95 109.8 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 51.900 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028689.D

Acq: 14 Dec 2018 17:39

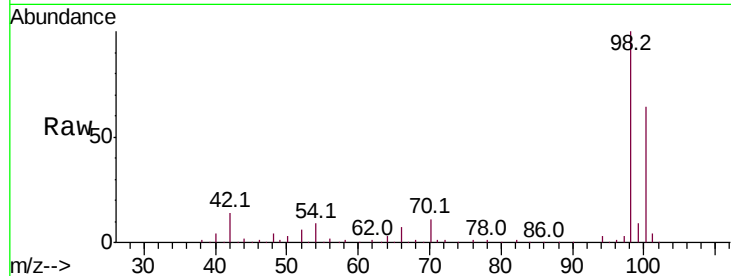
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 98 Resp: 179025

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

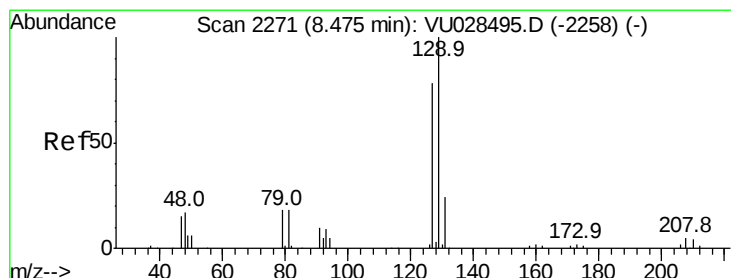
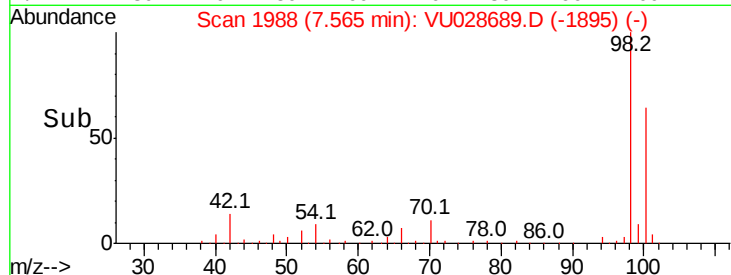
0

Time-->

7.50

7.60

7.70



#60

Dibromochloromethane

Concen: 2.848 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028689.D

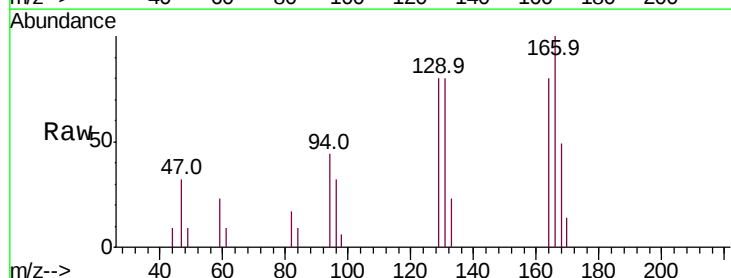
Acq: 14 Dec 2018 17:39

Tgt Ion: 129 Resp: 2897

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) (-)

8.22

2000

1500

1000

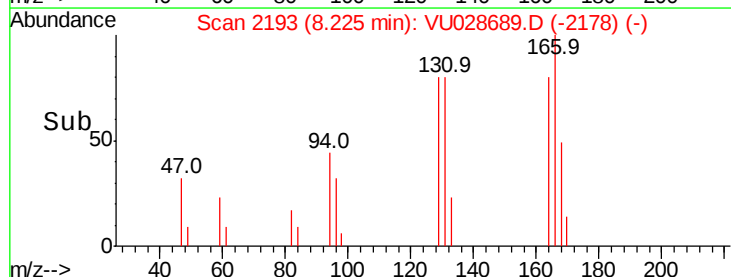
500

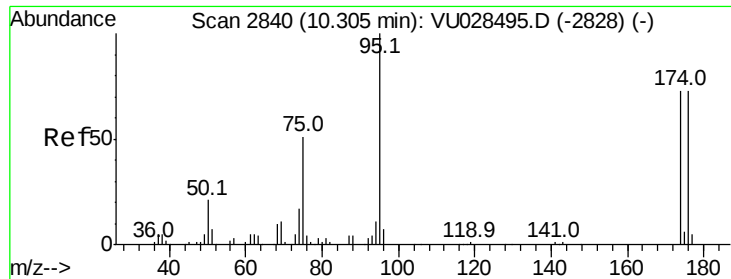
0

Time-->

8.20

8.25





#62

4-Bromofluorobenzene

Concen: 44.929 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028689.D

Acq: 14 Dec 2018 17:39

Instrument :

MSVOA_U

ClientSampleId :

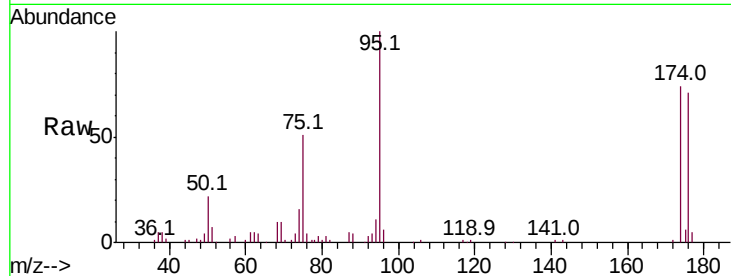
Tot Ion: 95 Resp: 57925

Ion Ratio Lower Upper

95 100

174 77.3 0.0 150.4

176 74.8 0.0 145.2

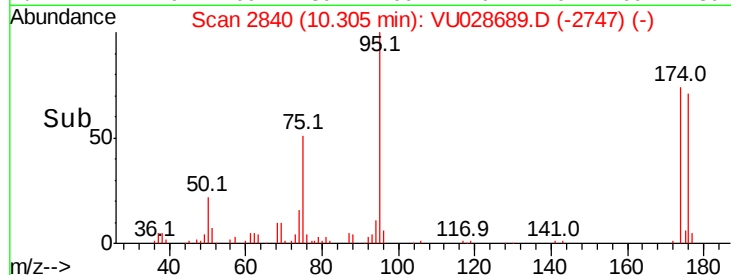


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

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

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

Time-->

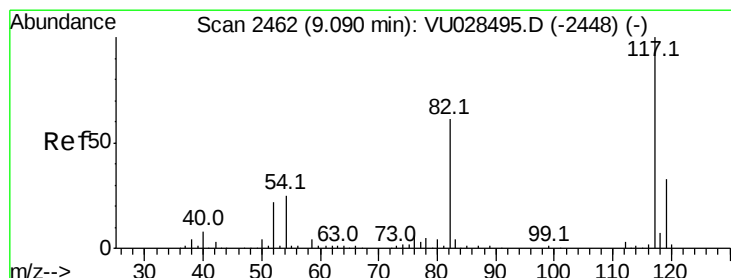


Abundance Ion 94.90 (94.60 to 95.60): VU028689.D (-2747) (-)

Ion 173.80 (173.50 to 174.50): VU028689.D (-2747) (-)

Ion 175.80 (175.50 to 176.50): VU028689.D (-2747) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028689.D

Acq: 14 Dec 2018 17:39

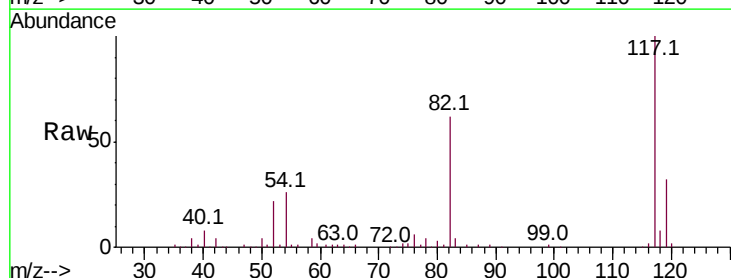
Tgt Ion: 117 Resp: 124910

Ion Ratio Lower Upper

117 100

82 62.3 48.9 73.3

119 32.0 26.2 39.4

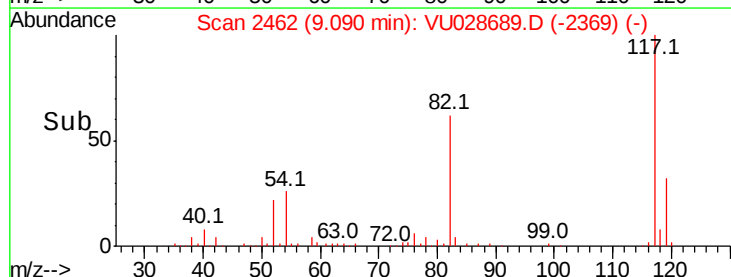


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

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

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

Time-->

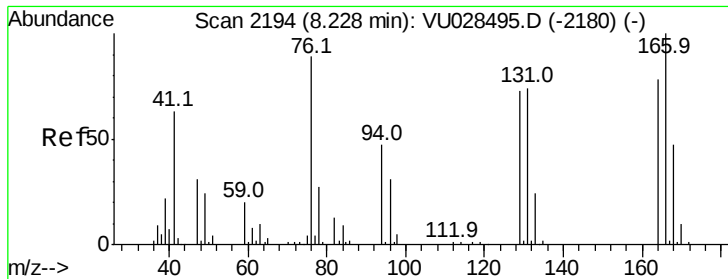


Abundance Ion 116.90 (116.60 to 117.60): VU028689.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU028689.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU028689.D (-2369) (-)

Time-->



#64

Tetrachloroethene

Concen: 3.615 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028689.D

Acq: 14 Dec 2018 17:39

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 3012

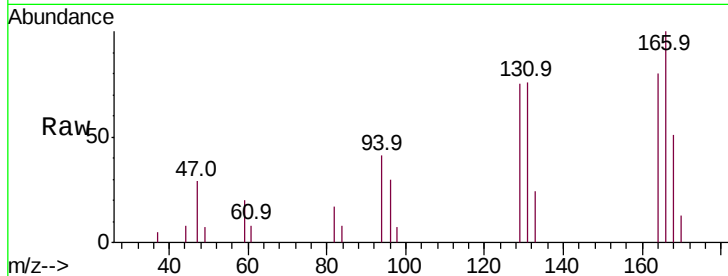
Ion Ratio Lower Upper

164 100

166 125.4 101.9 152.9

129 94.5 74.9 112.3

131 95.9 75.4 113.0

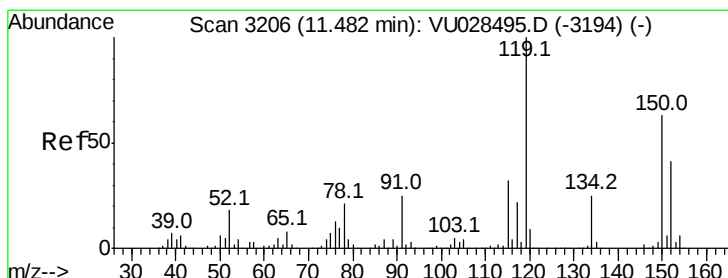
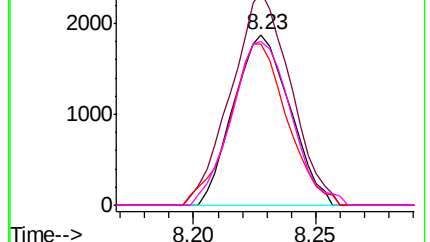
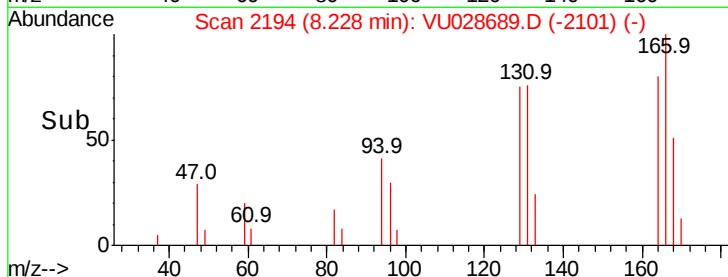


Abundance Ion 163.80 (163.50 to 164.50): V

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: VU028689.D

Acq: 14 Dec 2018 17:39

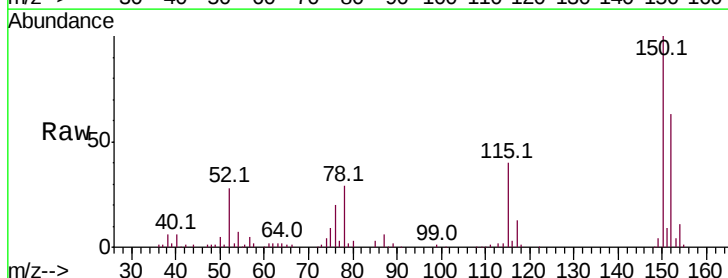
Tgt Ion:152 Resp: 49161

Ion Ratio Lower Upper

152 100

115 61.0 42.7 128.1

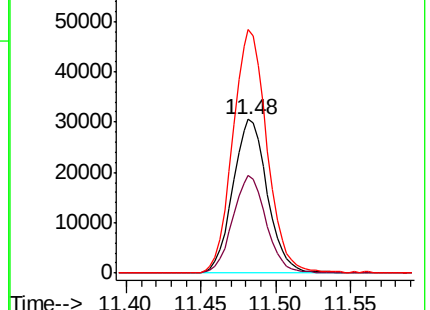
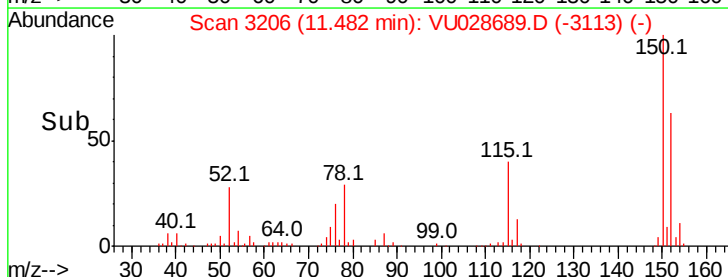
150 156.6 0.0 346.0

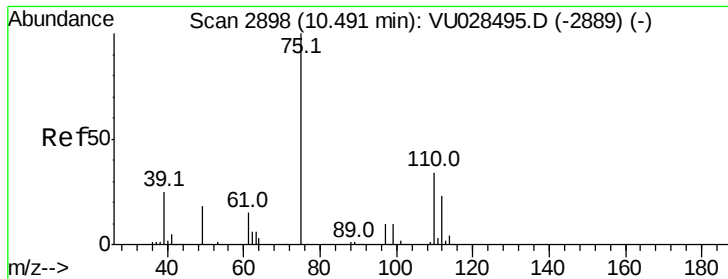


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.865 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028689.D

Acq: 14 Dec 2018 17:39

Instrument :

MSVOA_U

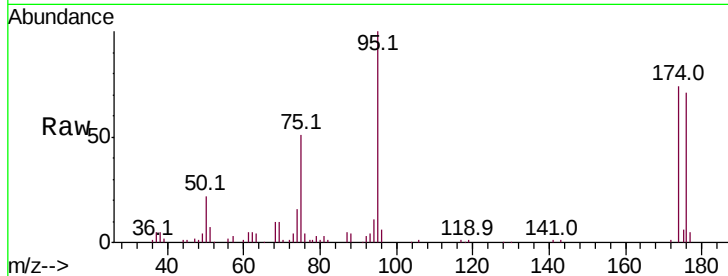
ClientSampleId :

Tot Ion: 75 Resp: 29959

Ion Ratio Lower Upper

75 100

77 1.1 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

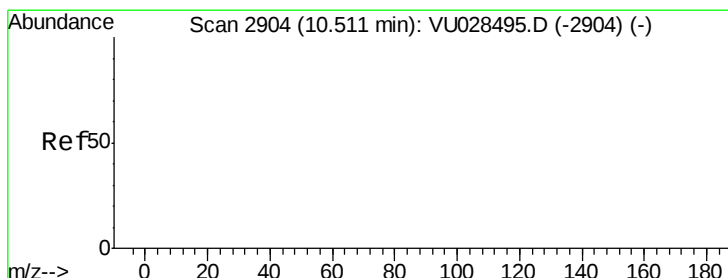
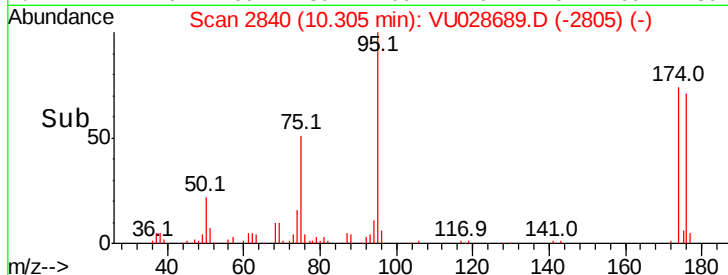
10000

5000

0

10.25 10.30 10.35 10.40

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 58.586 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028689.D

Acq: 14 Dec 2018 17:39

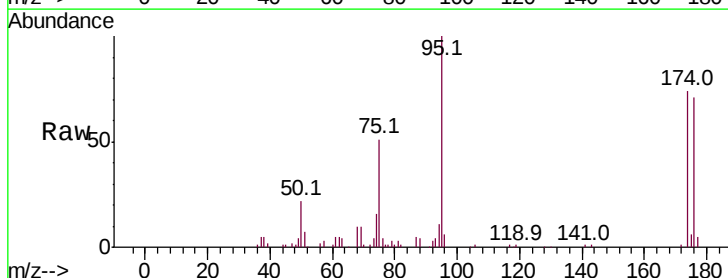
Tgt Ion: 75 Resp: 29959

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-->

