

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028508.D
 Acq On : 06 Dec 2018 18:08
 Operator : MD/SY
 Sample : J6252-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 06:16:34 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	4.99	168	99010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	186972	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	173430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80738	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	82602	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
35) Dibromofluoromethane	4.88	113	61122	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
50) Toluene-d8	7.57	98	241183	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
62) 4-Bromofluorobenzene	10.31	95	87887	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	

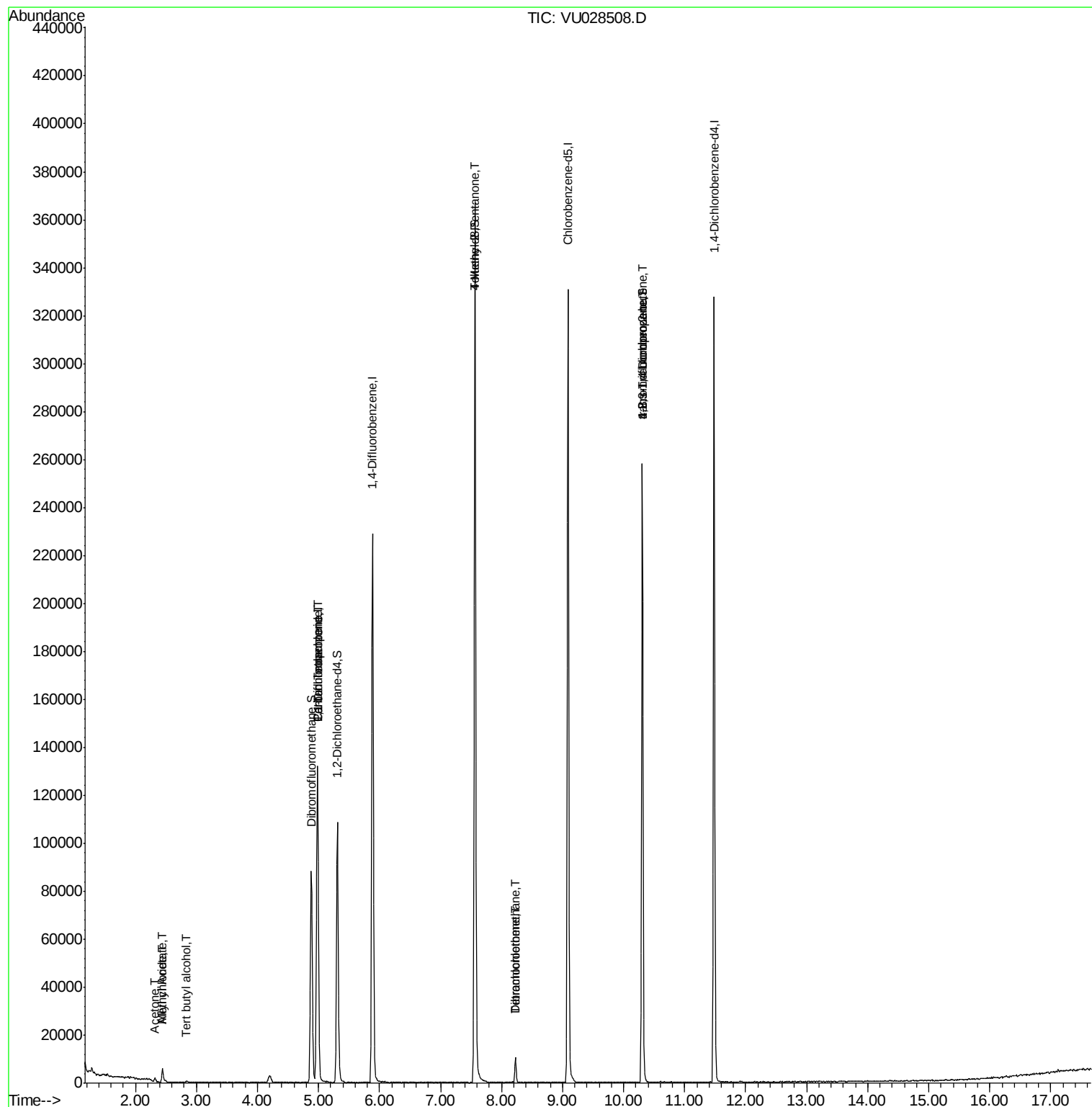
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.82	59	103	0.306	ug/l #	73
14) Allyl chloride	2.44	41	574	0.220	ug/l #	78
16) Acetone	2.32	43	1737	1.762	ug/l	95
18) Methyl Acetate	2.44	43	1390	0.544	ug/l #	56
31) Cyclohexane	4.98	56	2512	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8901	4.350	ug/l #	49
38) Carbon Tetrachloride	4.99	117	9968	6.045	ug/l #	15
51) 4-Methyl-2-Pentanone	7.56	43	1159	0.439	ug/l #	1
60) Dibromochloromethane	8.23	129	2069	1.507	ug/l #	10
64) Tetrachloroethene	8.23	164	2347	2.029	ug/l	87
76) 1,2,3-Trichloropropane	10.31	75	46527	22.568	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	46527	55.429	ug/l #	100

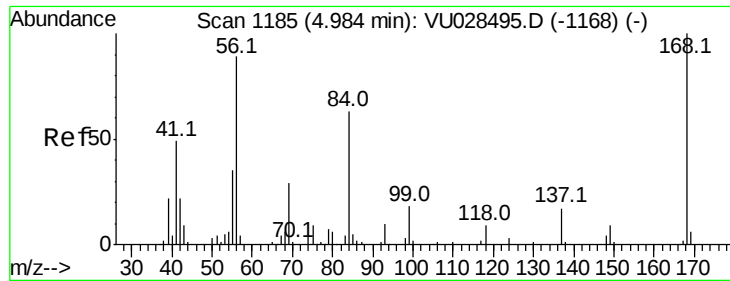
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120618\
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ClientSampled :

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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: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

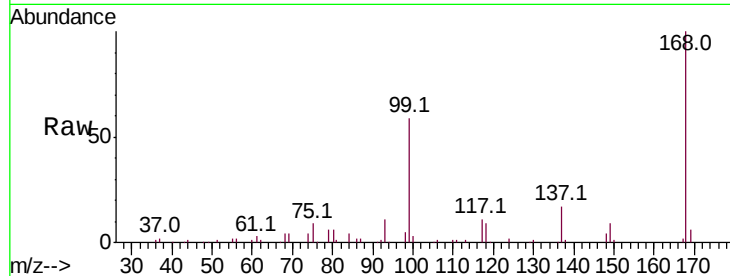
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 99010

Ion Ratio Lower Upper

168 100

99 58.8 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028508.D (-1092) (-)

4.99

50000

40000

30000

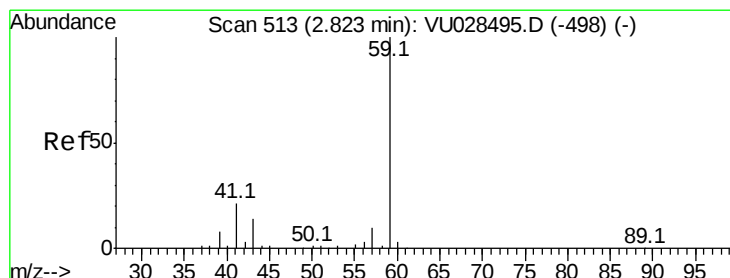
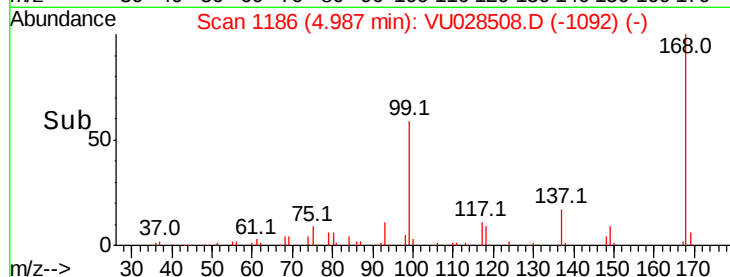
20000

10000

0

Time-->

4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 0.306 ug/l

RT: 2.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: VU028508.D

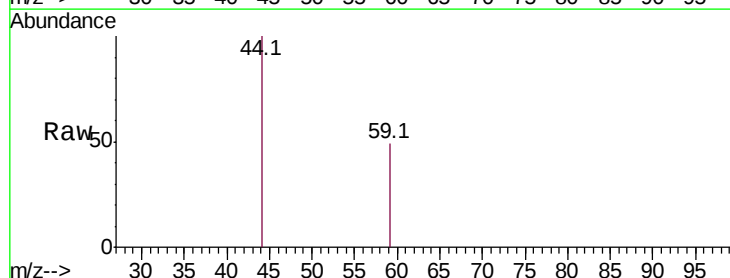
Acq: 06 Dec 2018 18:08

Tgt Ion: 59 Resp: 103

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028508.D (-420) (-)

2.82

150

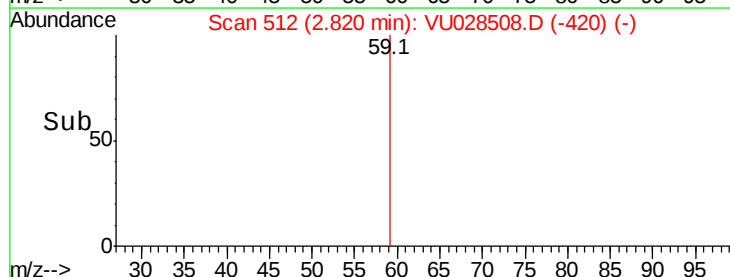
100

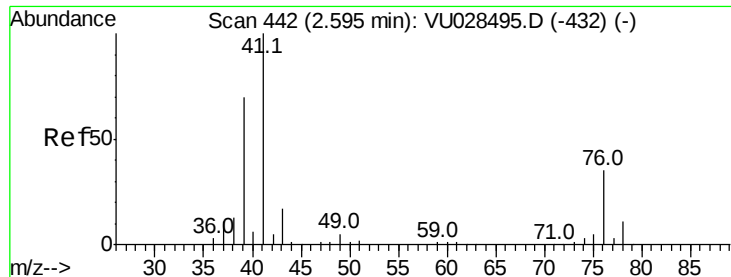
50

0

Time-->

2.81 2.82 2.83





#14

Allvl chloride

Concen: 0.220 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :

MSVOA_U

ClientSampleId :

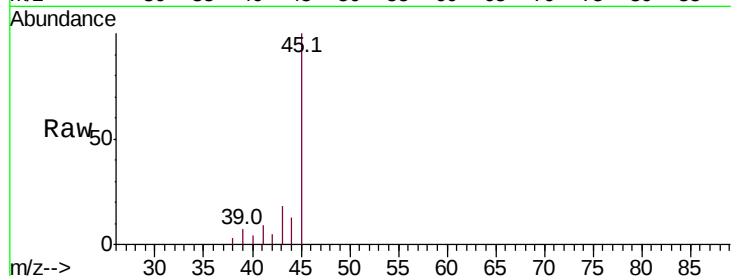
Tot Ion: 41 Resp: 574

Ion Ratio Lower Upper

41 100

39 68.1 50.8 76.2

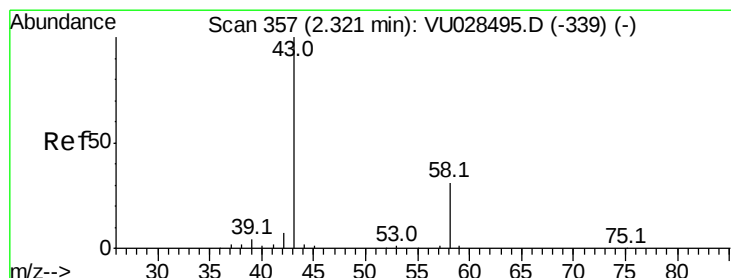
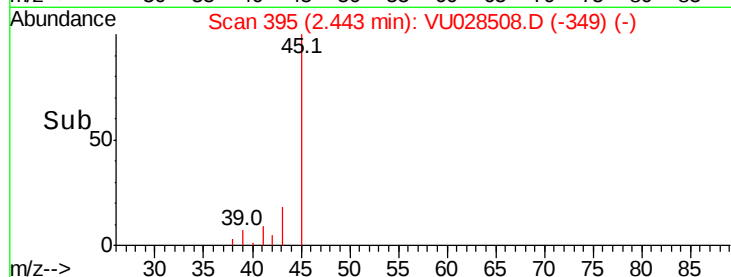
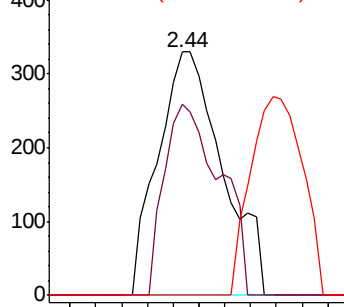
76 0.0 24.8 37.2#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



#16

Acetone

Concen: 1.762 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028508.D

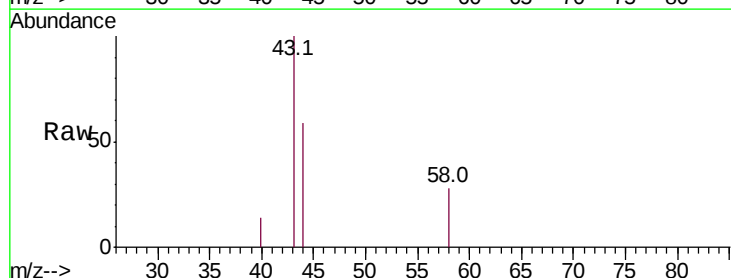
Acq: 06 Dec 2018 18:08

Tgt Ion: 43 Resp: 1737

Ion Ratio Lower Upper

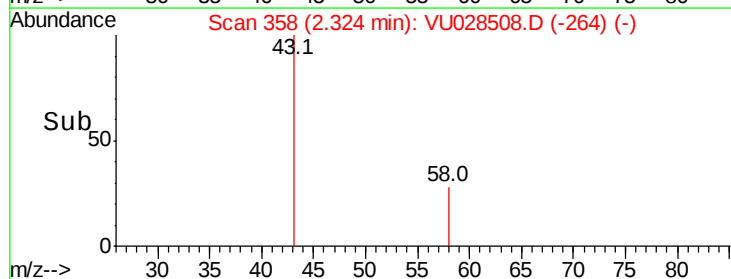
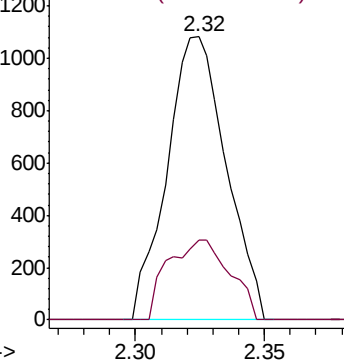
43 100

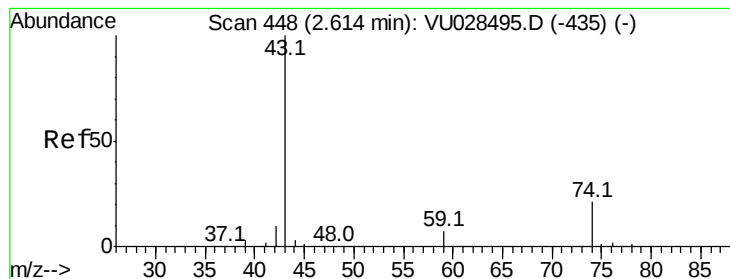
58 28.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#18

Methvl Acetate

Concen: 0.544 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :

MSVOA_U

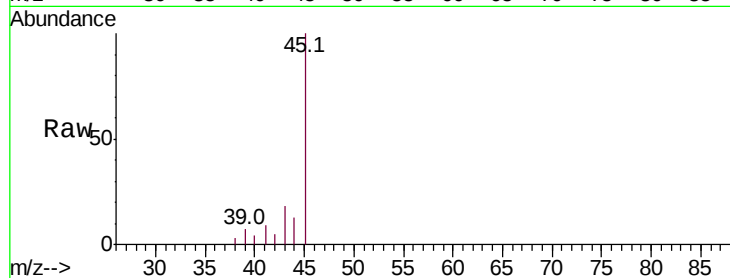
ClientSampleId :

Tot Ion: 43 Resp: 1390

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.44

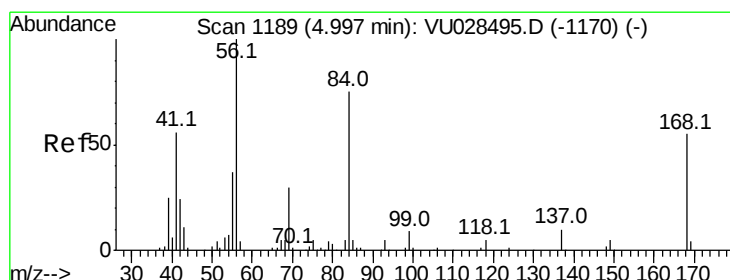
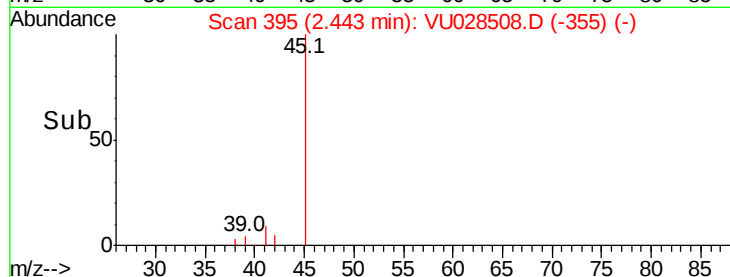
600

400

200

0

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

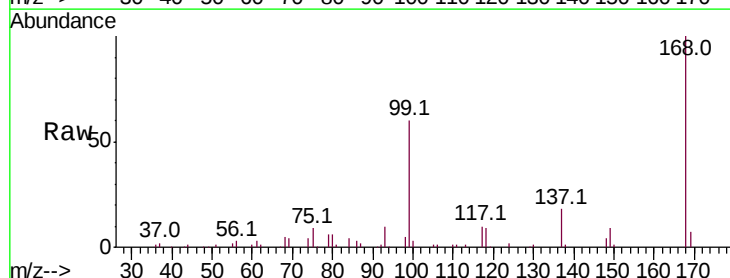
Tgt Ion: 56 Resp: 2512

Ion Ratio Lower Upper

56 100

69 163.1 24.0 36.0#

84 149.5 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

2500

2000

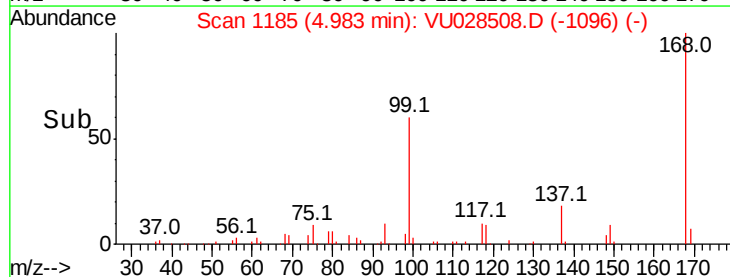
1500

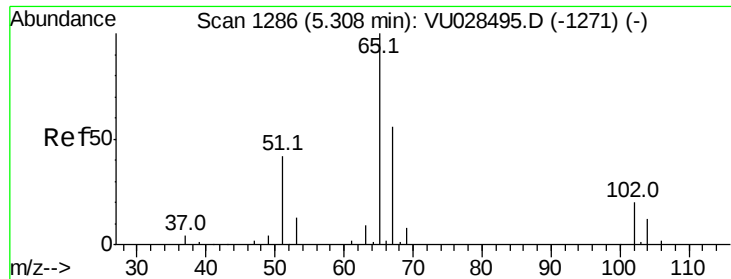
1000

500

0

Time-->

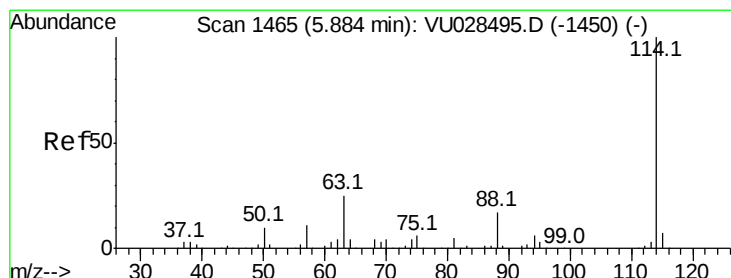
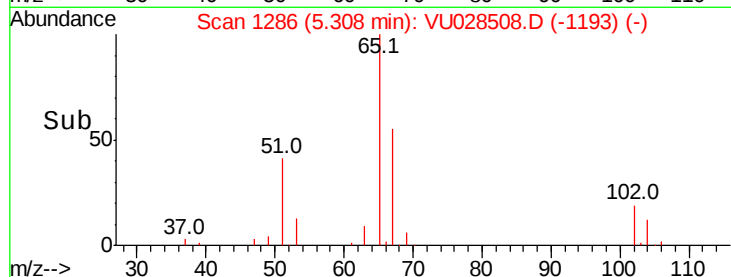
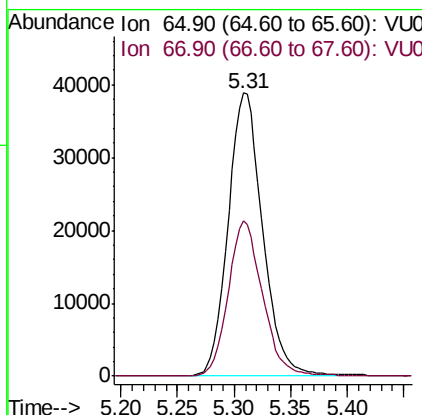
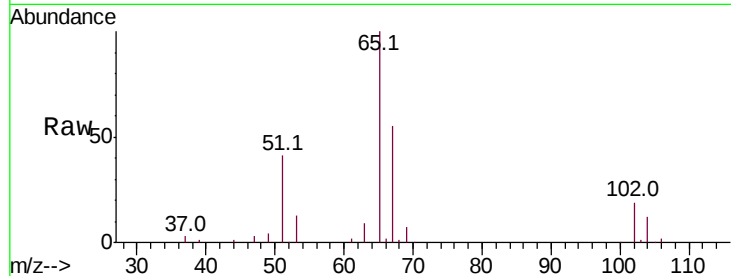




#33
 1,2-Dichloroethane-d4
 Concen: 54.669 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028508.D
 Acq: 06 Dec 2018 18:08

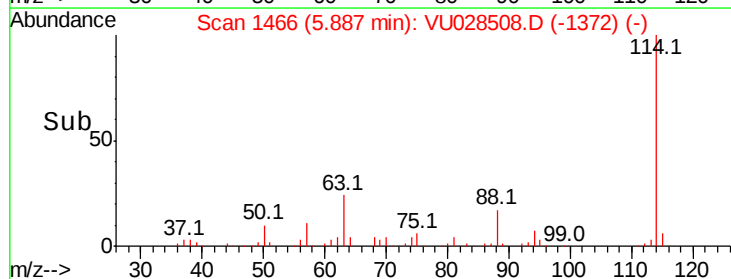
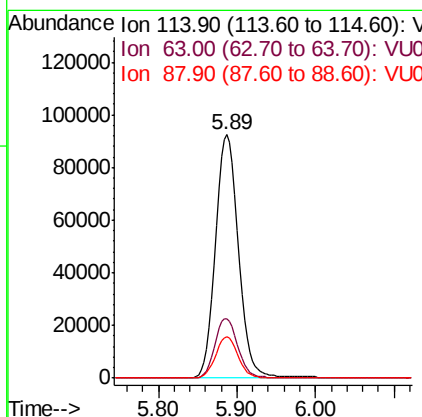
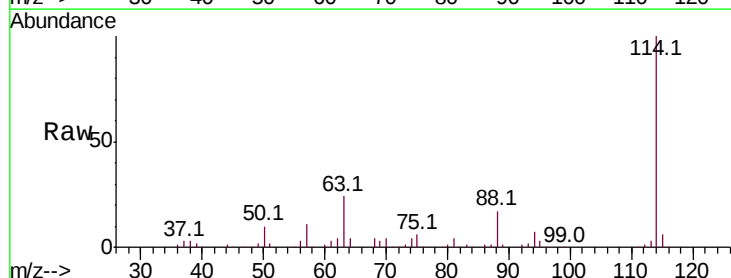
Instrument :
 MSVOA_U
 ClientSampled :

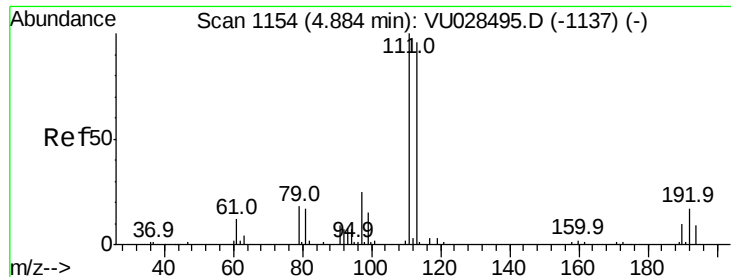
Tot Ion: 65 Resp: 82602
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028508.D
 Acq: 06 Dec 2018 18:08

Tgt Ion:114 Resp: 186972
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 16.9 0.0 33.4

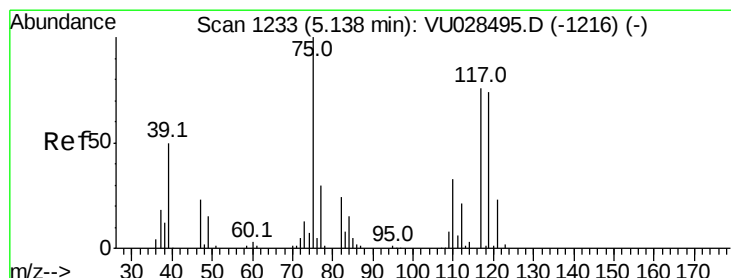
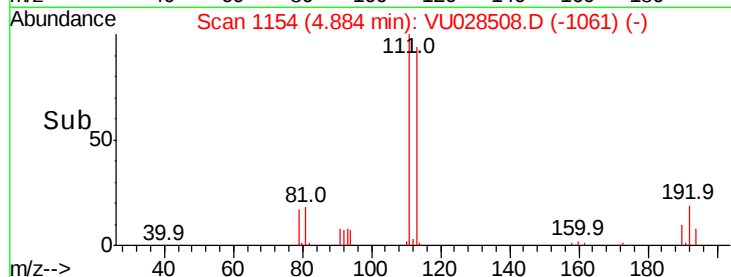
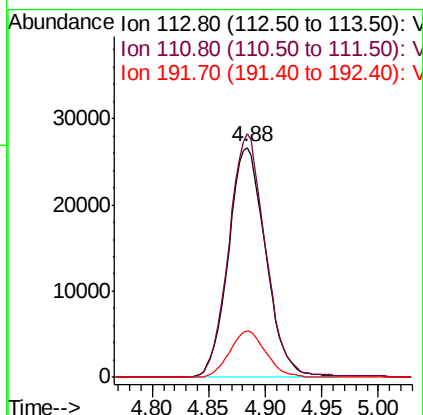
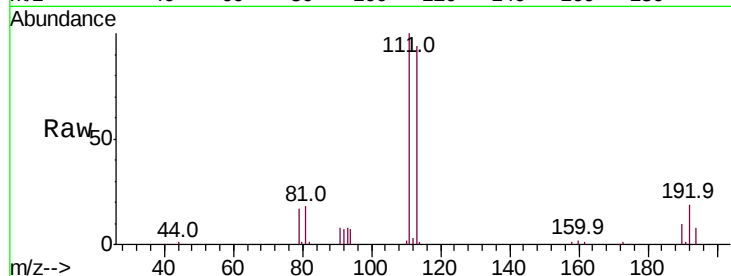




#35
 Dibromofluoromethane
 Concen: 51.947 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028508.D
 Acq: 06 Dec 2018 18:08

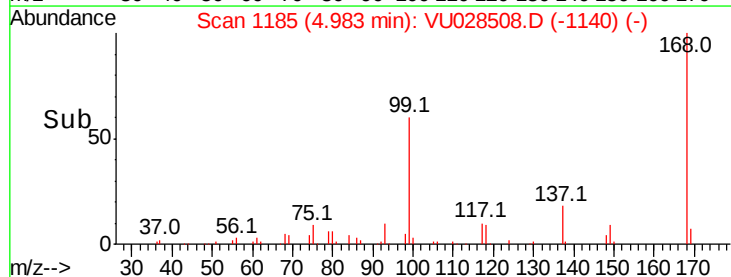
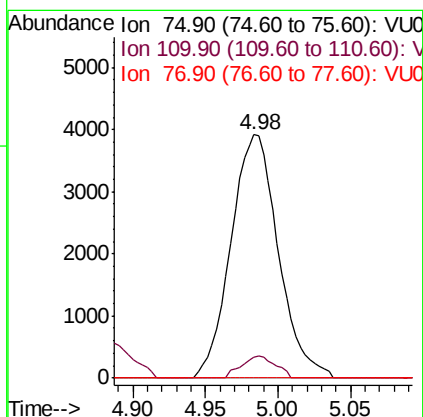
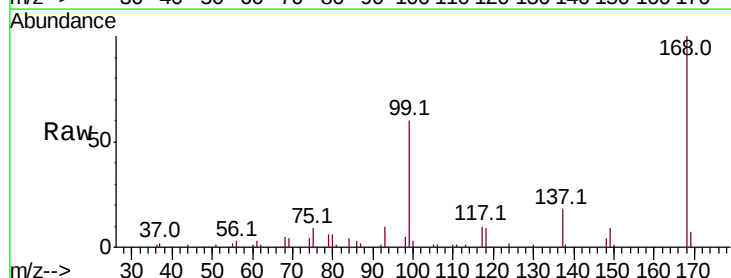
Instrument :
 MSVOA_U
 ClientSampleId :

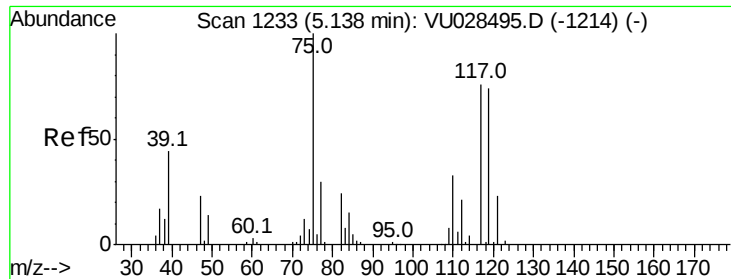
Tot Ion:113 Resp: 61122
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.4 125.0
 192 19.7 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.350 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028508.D
 Acq: 06 Dec 2018 18:08

Tgt Ion: 75 Resp: 8901
 Ion Ratio Lower Upper
 75 100
 110 6.4 16.1 48.2#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.045 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :
MSVOA_U
ClientSampled :

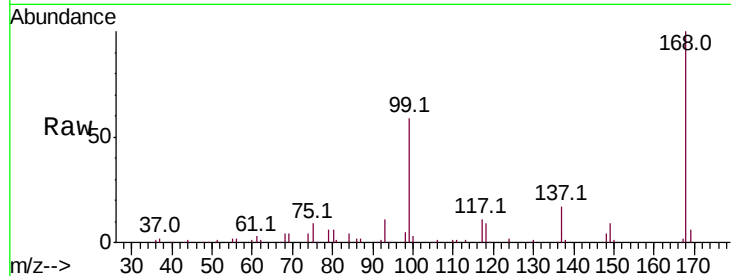
Tot Ion:117 Resp: 9968

Ion Ratio Lower Upper

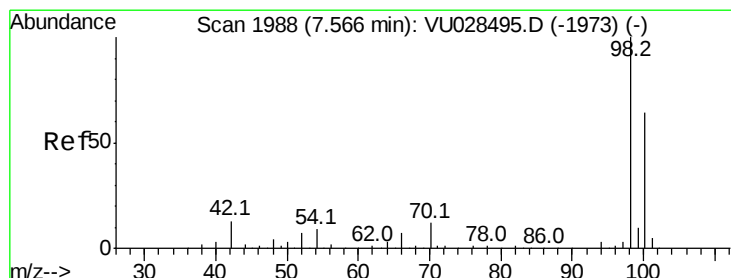
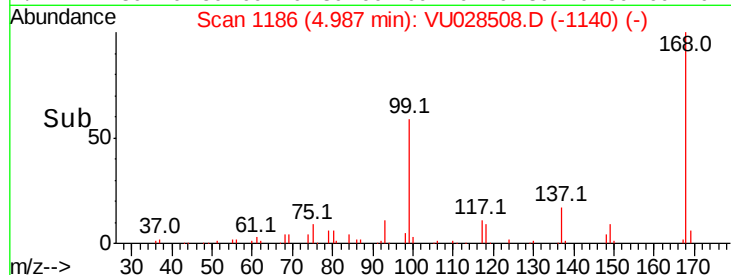
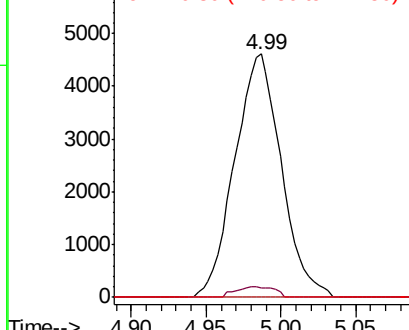
117 100

119 3.9 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: 51.817 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028508.D

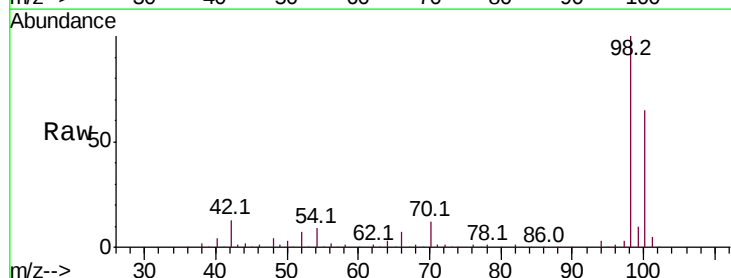
Acq: 06 Dec 2018 18:08

Tgt Ion: 98 Resp: 241183

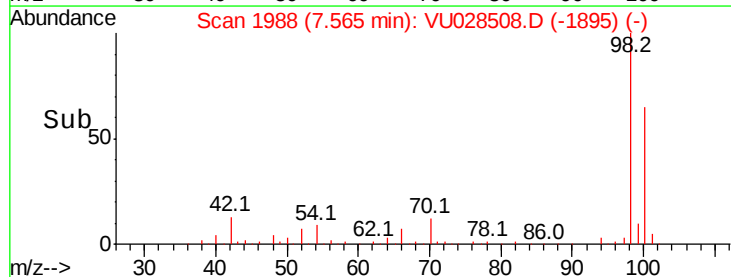
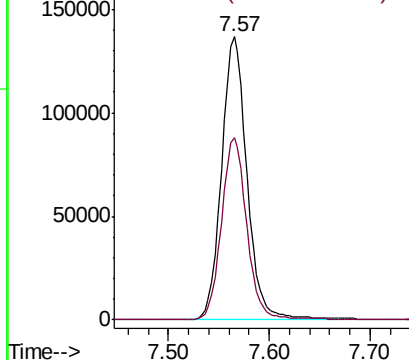
Ion Ratio Lower Upper

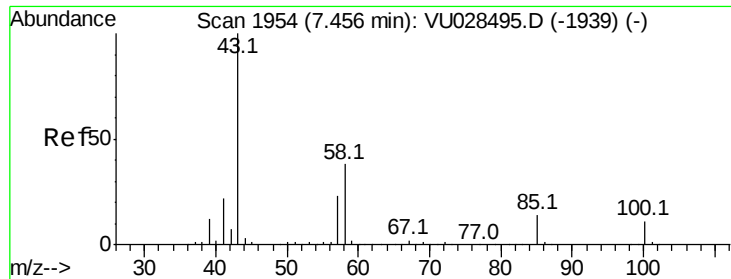
98 100

100 64.4 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: 0.439 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :

MSVOA_U

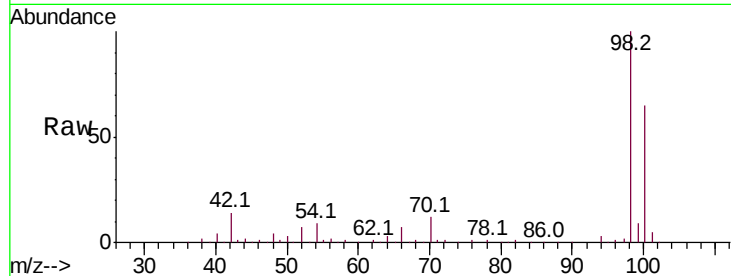
ClientSampleId :

Tot Ion: 43 Resp: 1159

Ion Ratio Lower Upper

43 100

58 185.7 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028508.D (-1987) (-)

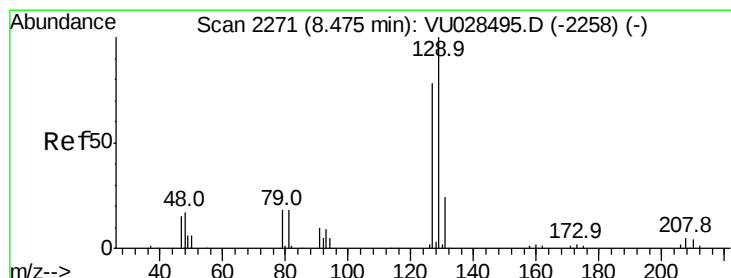
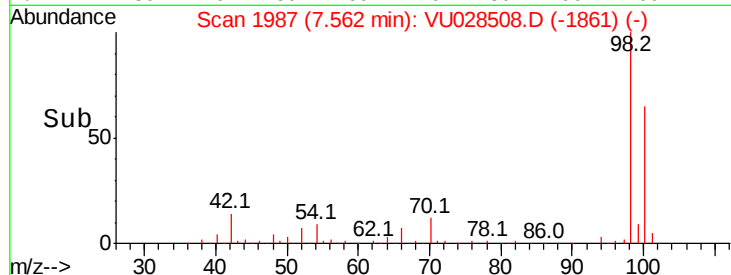
Ion 58.00 (57.70 to 58.70): VU028508.D (-1987) (-)

7.56

7.55

7.60

Time-->



#60

Dibromochloromethane

Concen: 1.507 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028508.D

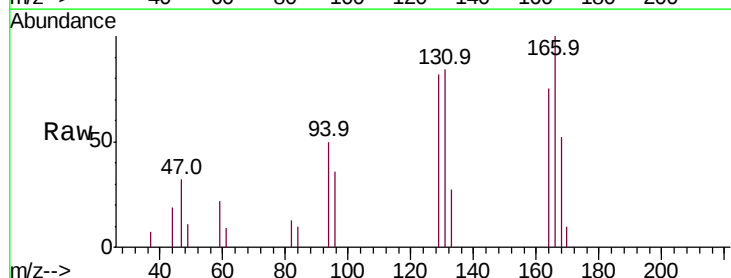
Acq: 06 Dec 2018 18:08

Tgt Ion: 129 Resp: 2069

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VU028508.D (-2194) (-)

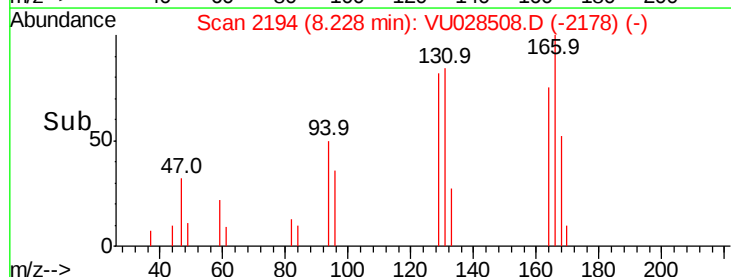
Ion 126.80 (126.50 to 127.50): VU028508.D (-2194) (-)

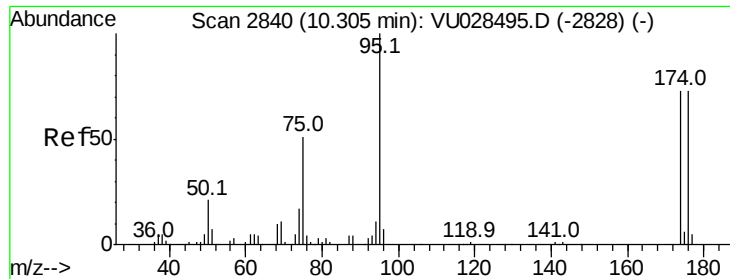
8.23

8.20

8.25

Time-->





#62

4-Bromofluorobenzene

Concen: 50.519 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :

MSVOA_U

ClientSampleId :

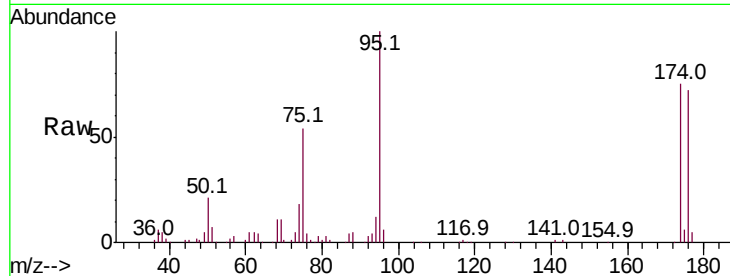
Tot Ion: 95 Resp: 87887

Ion Ratio Lower Upper

95 100

174 73.5 0.0 150.4

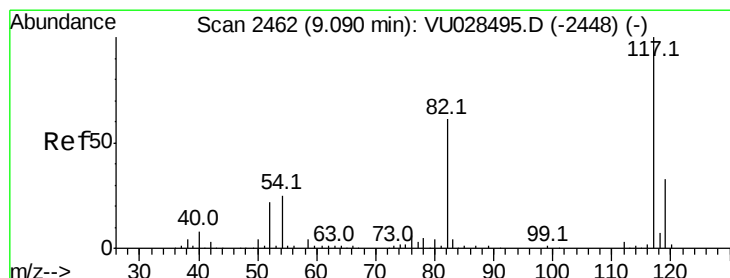
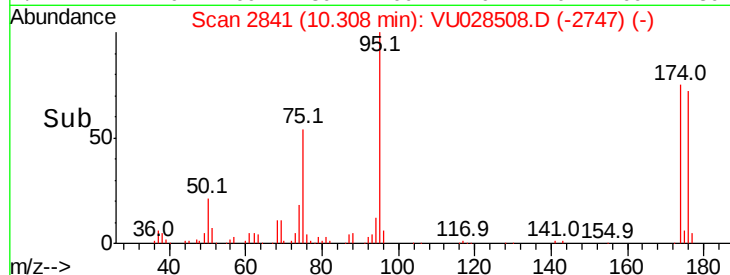
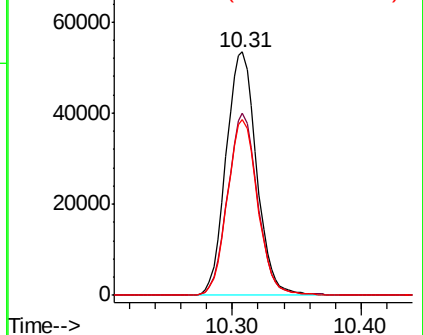
176 71.6 0.0 145.2



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: VU028508.D

Acq: 06 Dec 2018 18:08

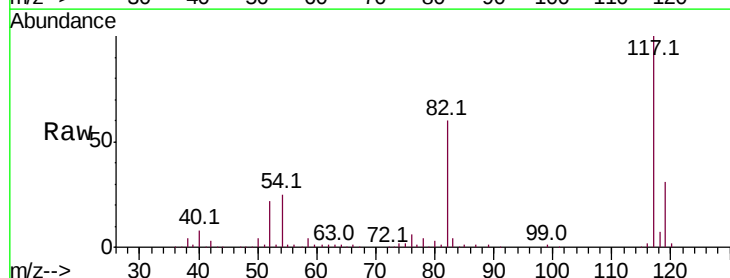
Tgt Ion: 117 Resp: 173430

Ion Ratio Lower Upper

117 100

82 59.7 48.9 73.3

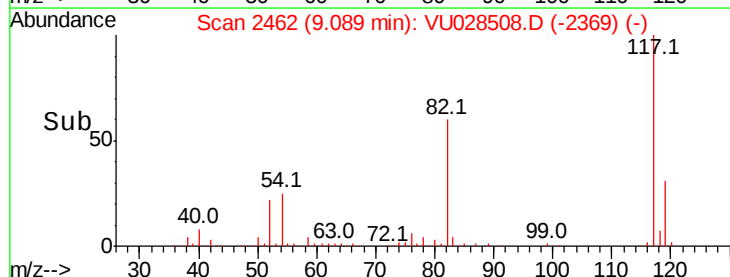
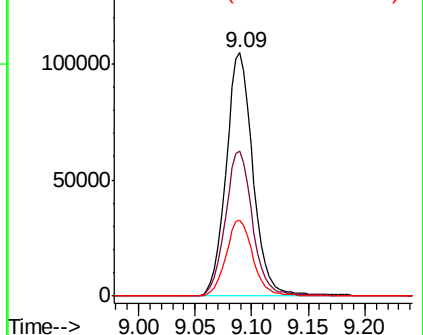
119 31.2 26.2 39.4

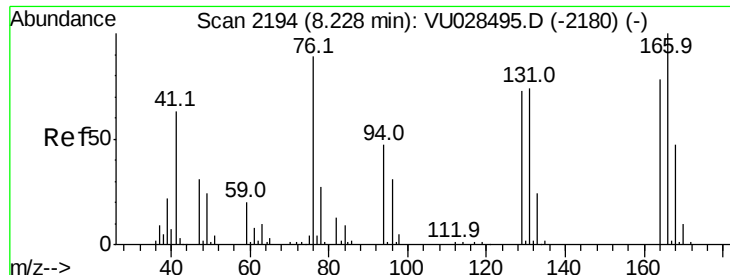


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 2.029 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 2347

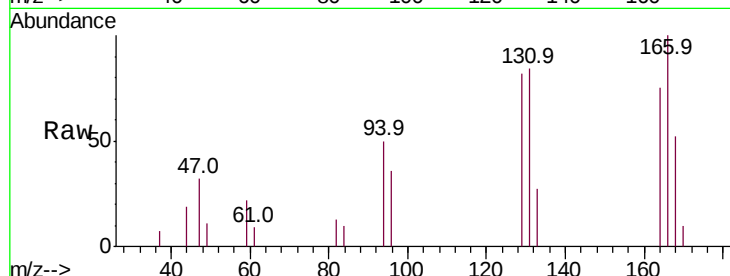
Ion Ratio Lower Upper

164 100

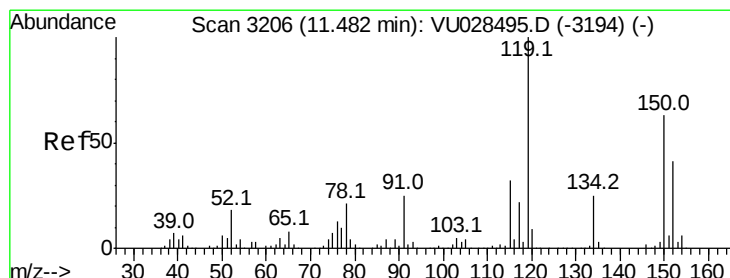
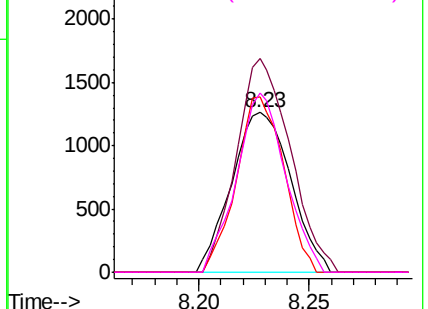
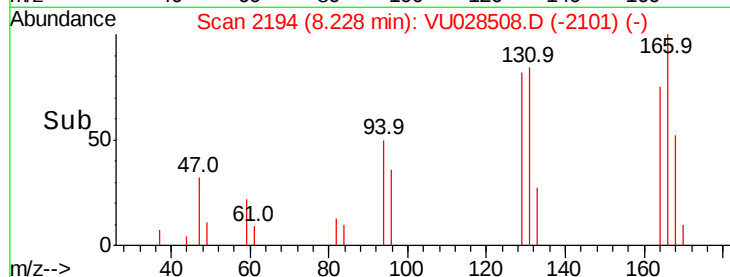
166 133.9 101.9 152.9

129 110.3 74.9 112.3

131 112.2 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: VU028508.D

Acq: 06 Dec 2018 18:08

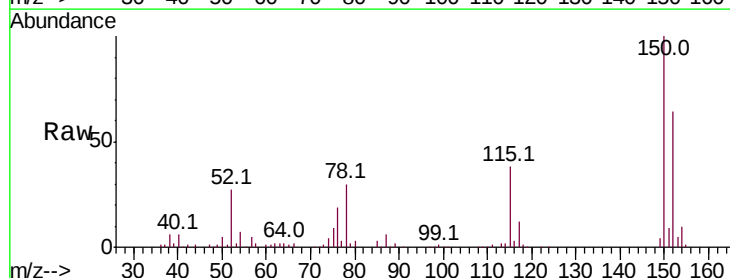
Tgt Ion:152 Resp: 80738

Ion Ratio Lower Upper

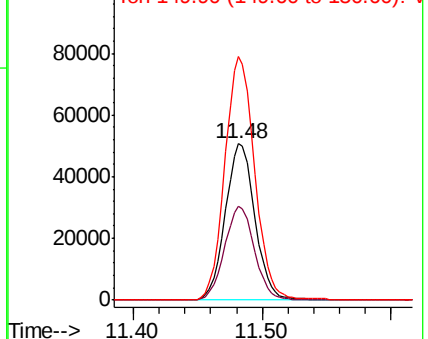
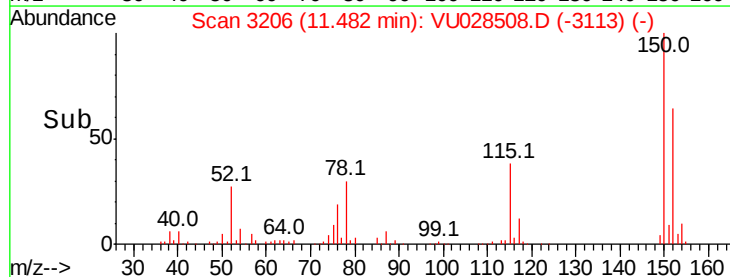
152 100

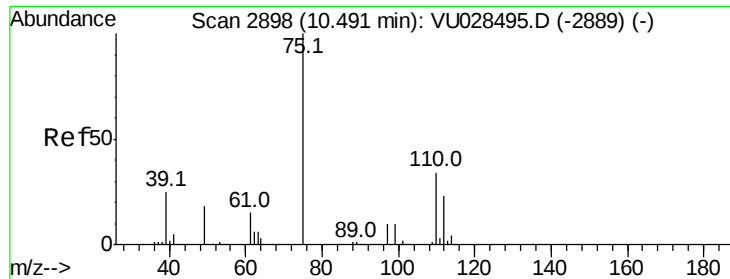
115 60.3 42.7 128.1

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: 22.568 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.18 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

Instrument :

MSVOA_U

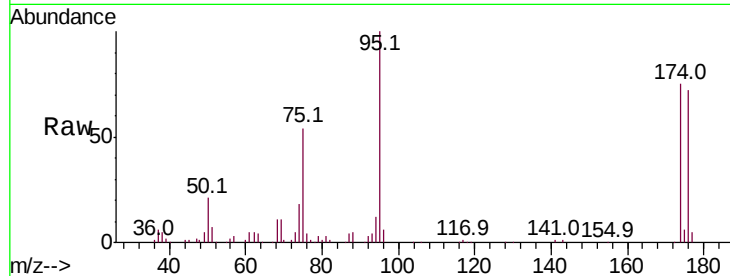
ClientSampleId :

Tot Ion: 75 Resp: 46527

Ion Ratio Lower Upper

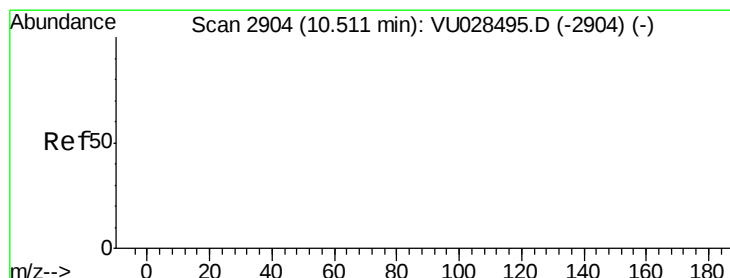
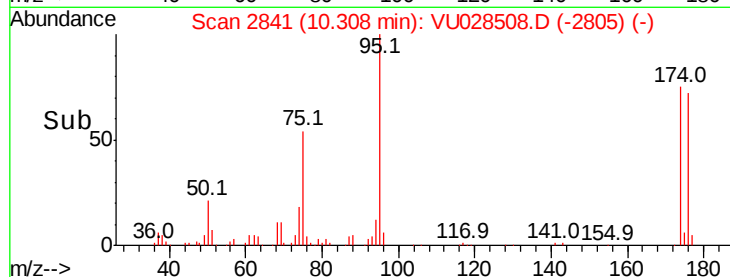
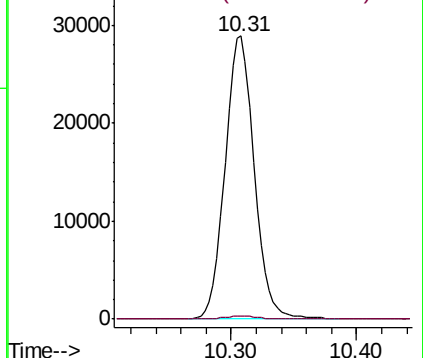
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 55.429 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028508.D

Acq: 06 Dec 2018 18:08

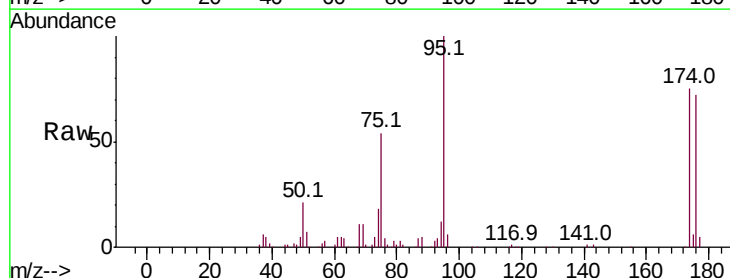
Tgt Ion: 75 Resp: 46527

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

