

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121518\
 Data File : VU028690.D
 Acq On : 14 Dec 2018 18:03
 Operator : MD/SY
 Sample : J6393-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:22:44 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

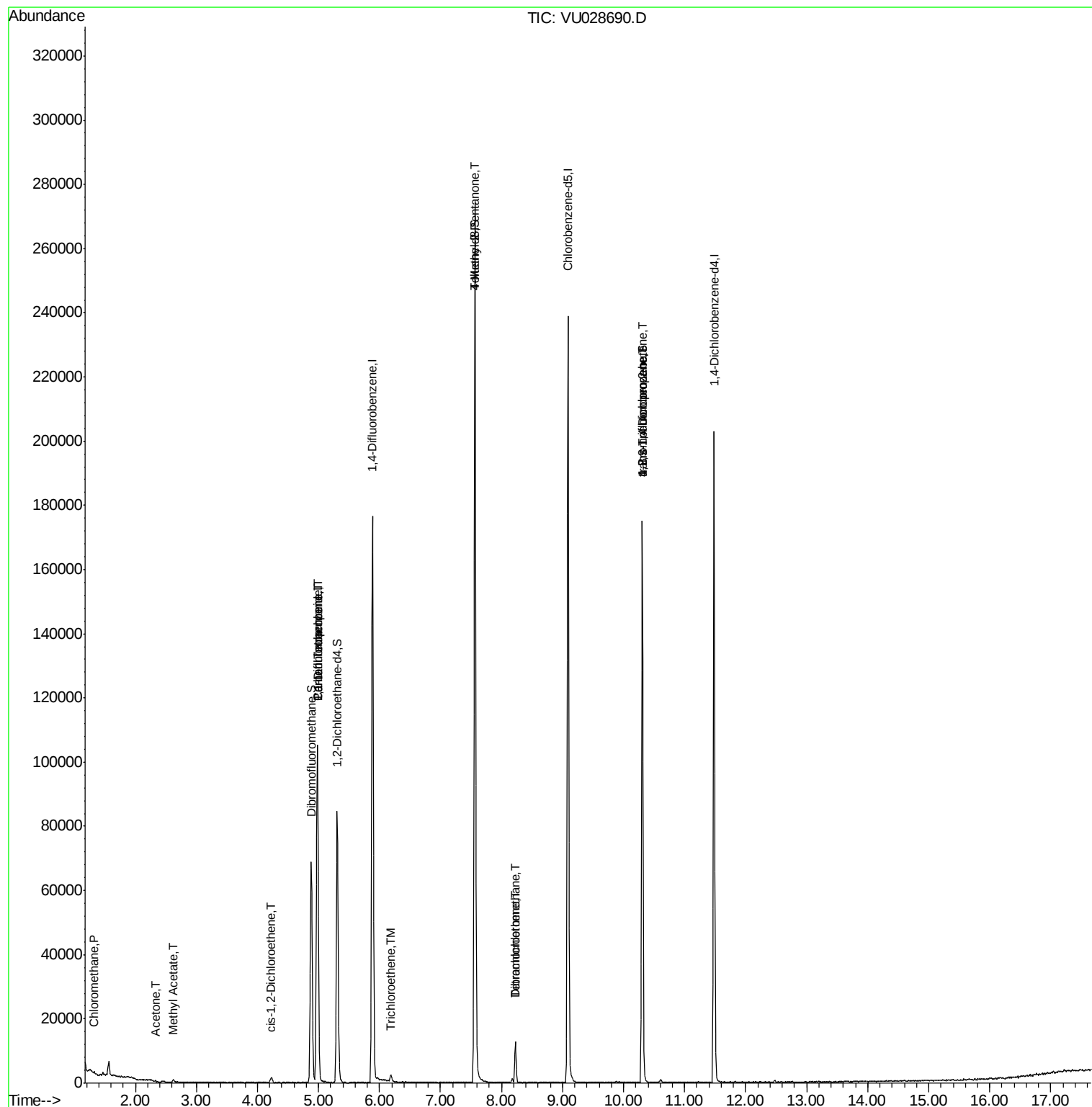
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	77419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	139241	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	126782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	48907	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	64910	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
35) Dibromofluoromethane	4.88	113	48292	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	
50) Toluene-d8	7.57	98	179809	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	10.31	95	58378	45.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.12%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	833	0.437	ug/l	97
16) Acetone	2.32	43	584	0.757	ug/l #	44
18) Methyl Acetate	2.62	43	1403	0.702	ug/l #	59
27) cis-1,2-Dichloroethene	4.23	96	819	0.746	ug/l	91
31) Cyclohexane	4.98	56	1977	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	6815	4.473	ug/l #	50
38) Carbon Tetrachloride	4.98	117	7882	6.418	ug/l #	16
44) Trichloroethene	6.19	130	858	0.860	ug/l	92
51) 4-Methyl-2-Pentanone	7.57	43	1054	0.536	ug/l #	1
60) Dibromochloromethane	8.23	129	2713	2.654	ug/l #	10
64) Tetrachloroethene	8.23	164	2773	3.279	ug/l	92
76) 1,2,3-Trichloropropane	10.31	75	30639	24.534	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	30639	60.212	ug/l #	100

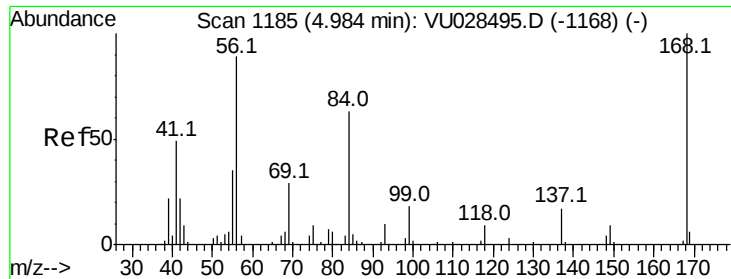
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121518\
Data File : VU028690.D
Acq On : 14 Dec 2018 18:03
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ClientSampleId :

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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: VU028690.D

Acq: 14 Dec 2018 18:03

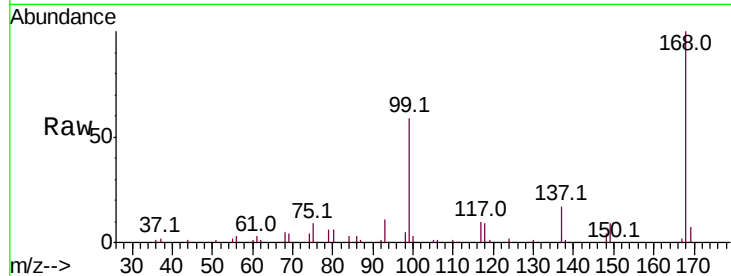
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 77419

Ion Ratio Lower Upper

168 100

99 59.5 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

40000

30000

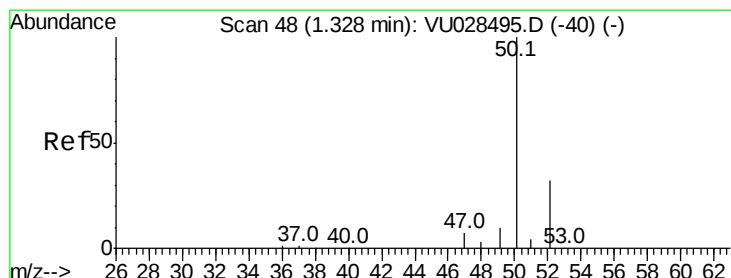
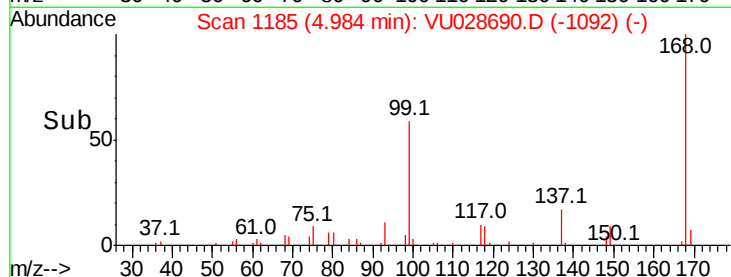
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 0.437 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028690.D

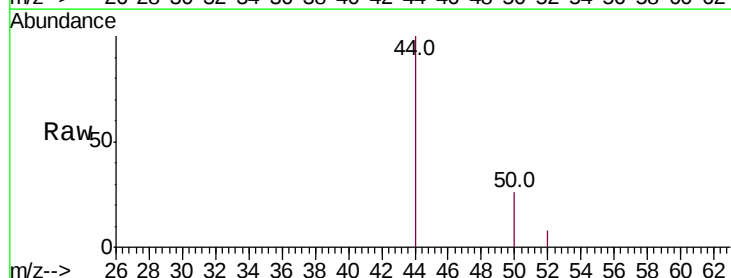
Acq: 14 Dec 2018 18:03

Tgt Ion: 50 Resp: 833

Ion Ratio Lower Upper

50 100

52 30.2 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

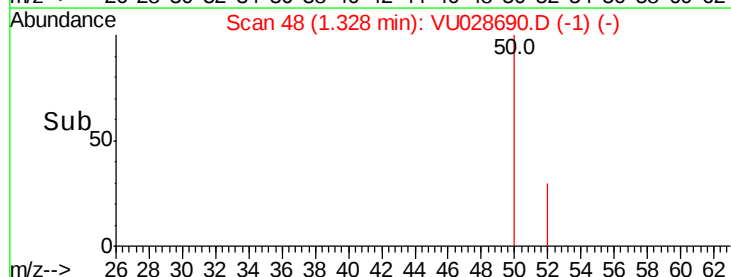
400

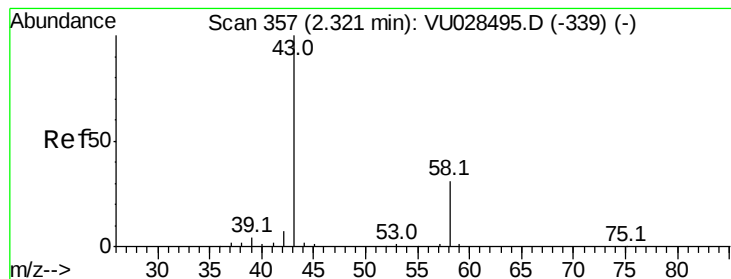
200

0

1.30 1.32 1.34 1.36

Time-->





#16

Acetone

Concen: 0.757 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028690.D

Acq: 14 Dec 2018 18:03

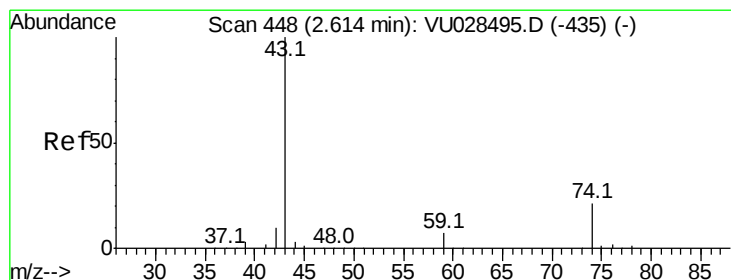
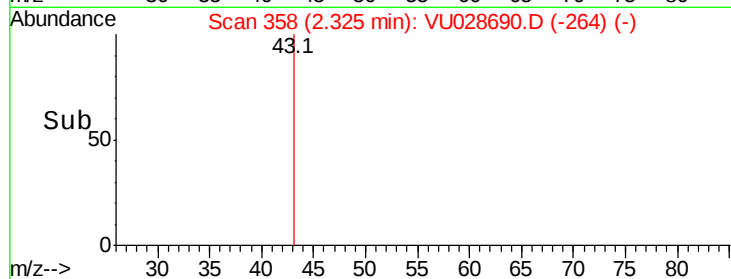
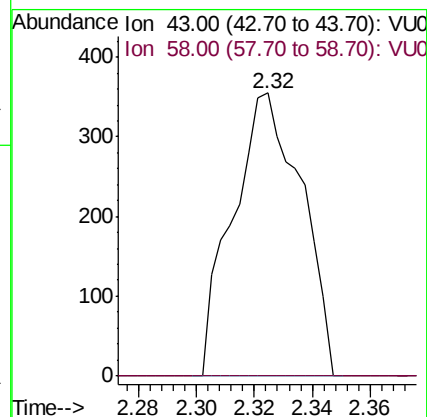
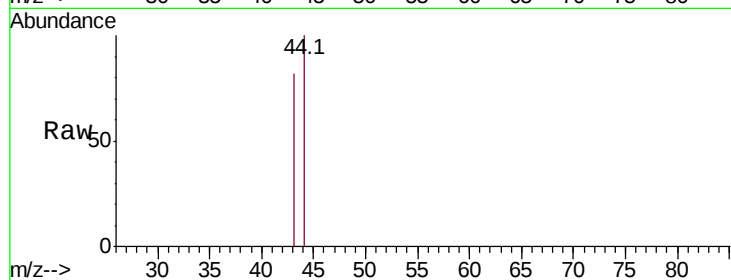
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 584

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



#18

Methyl Acetate

Concen: 0.702 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028690.D

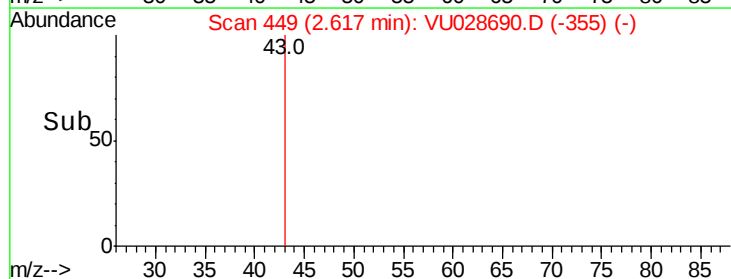
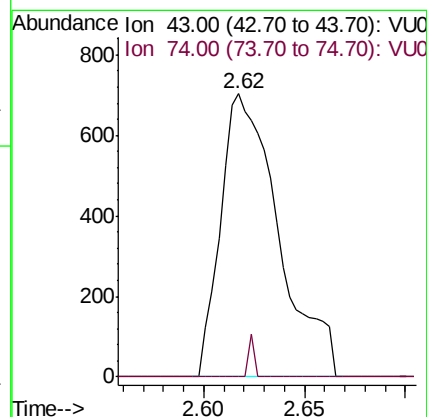
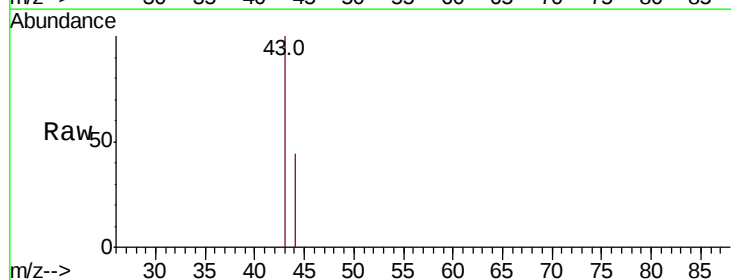
Acq: 14 Dec 2018 18:03

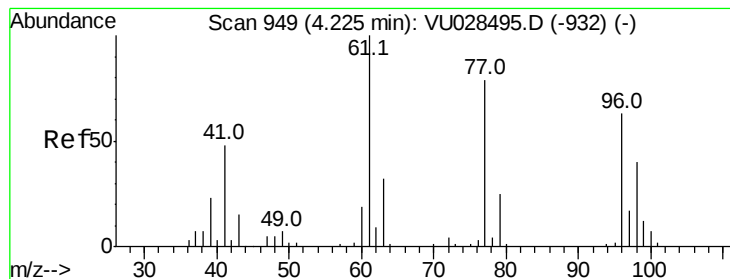
Tgt Ion: 43 Resp: 1403

Ion Ratio Lower Upper

43 100

74 1.4 16.4 24.6#



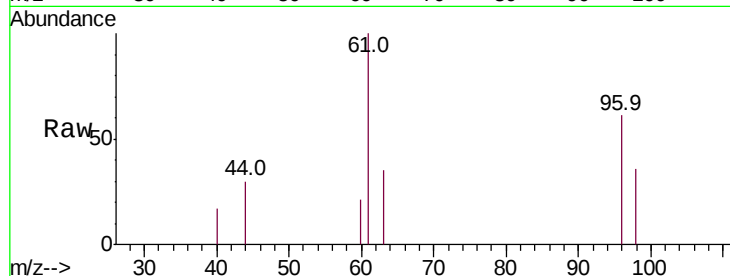


#27

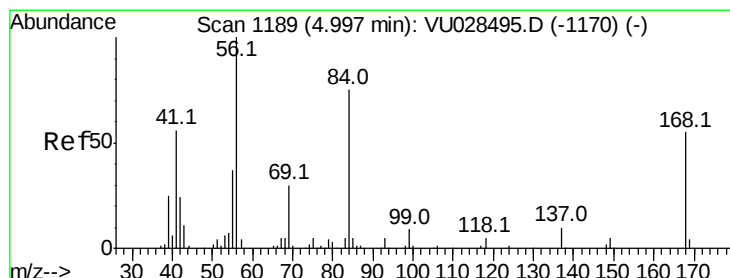
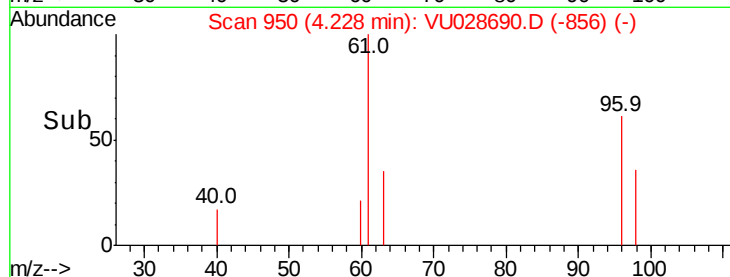
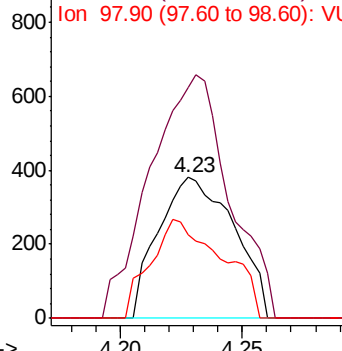
cis-1,2-Dichloroethene
 Concen: 0.746 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028690.D
 Acq: 14 Dec 2018 18:03

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 819
 Ion Ratio Lower Upper
 96 100
 61 180.8 0.0 332.4
 98 66.9 0.0 129.0



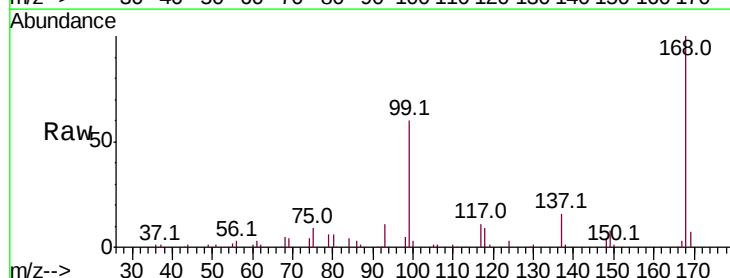
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



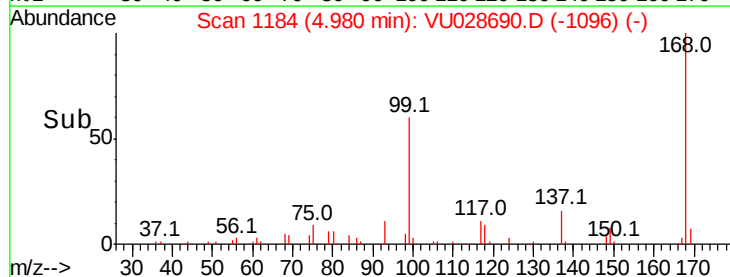
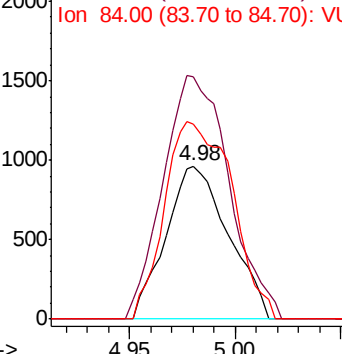
#31

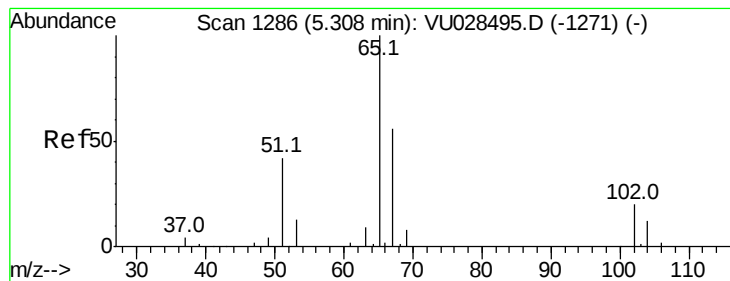
Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VU028690.D
 Acq: 14 Dec 2018 18:03

Tgt Ion: 56 Resp: 1977
 Ion Ratio Lower Upper
 56 100
 69 158.7 24.0 36.0#
 84 127.7 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: 54.940 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028690.D

Acq: 14 Dec 2018 18:03

Instrument :

MSVOA_U

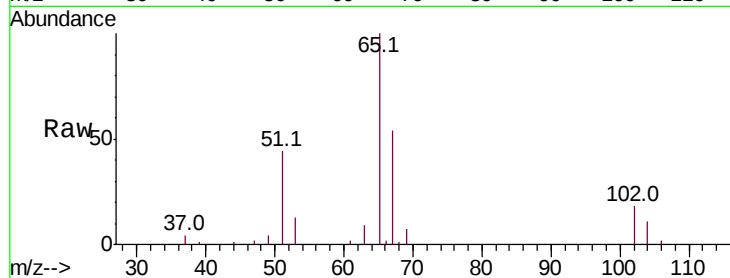
ClientSampleId :

Tot Ion: 65 Resp: 64910

Ion Ratio Lower Upper

65 100

67 55.2 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)

5.31

30000

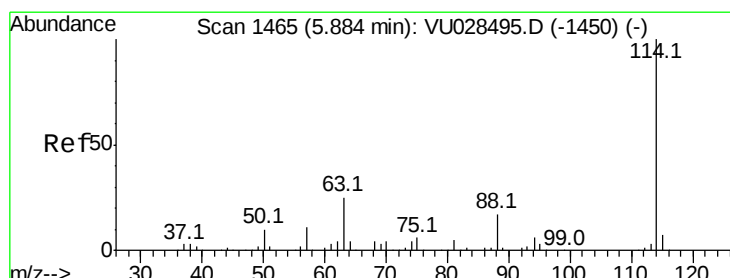
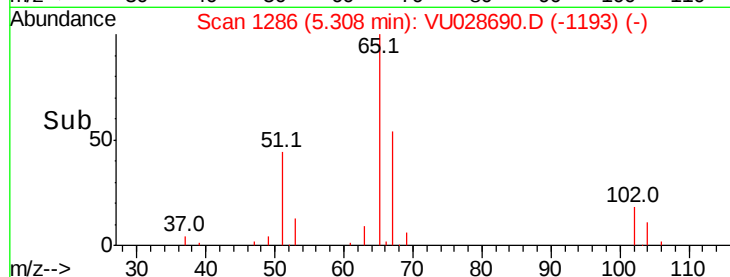
20000

10000

0

5.25 5.30 5.35 5.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028690.D

Acq: 14 Dec 2018 18:03

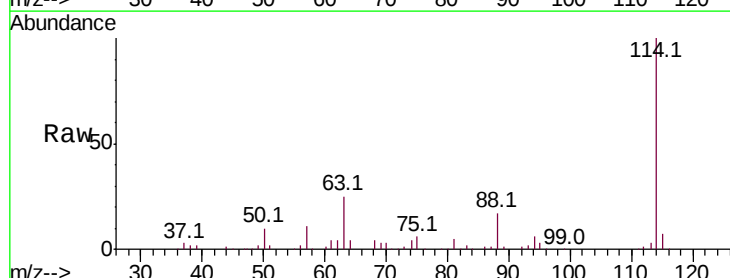
Tgt Ion: 114 Resp: 139241

Ion Ratio Lower Upper

114 100

63 25.1 0.0 49.2

88 16.6 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VU028495.D (-1450) (-)

Ion 63.00 (62.70 to 63.70): VU028495.D (-1450) (-)

Ion 87.90 (87.60 to 88.60): VU028495.D (-1450) (-)

5.89

80000

60000

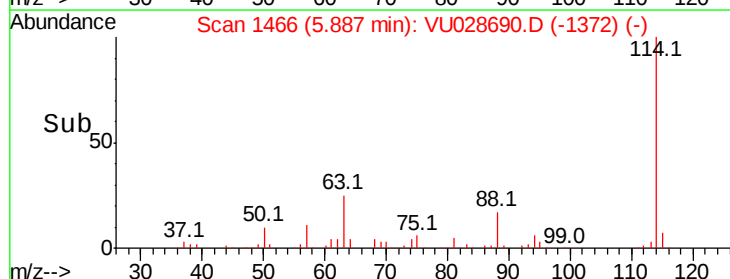
40000

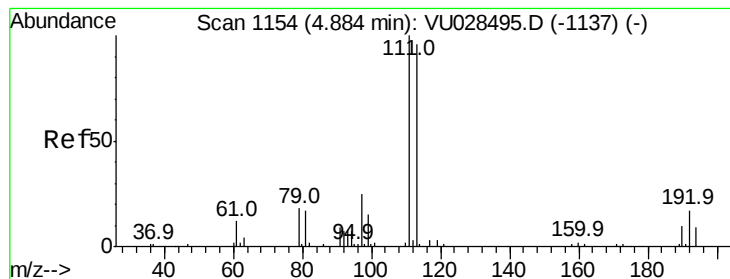
20000

0

5.80 5.85 5.90 5.95

Time-->





#35

Dibromofluoromethane

Concen: 55.112 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028690.D

Acq: 14 Dec 2018 18:03

Instrument :
MSVOA_U
ClientSampled :

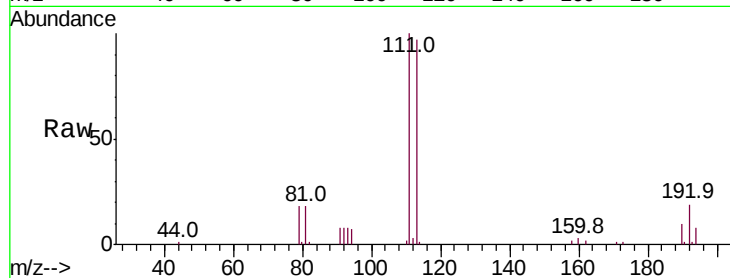
Tot Ion:113 Resp: 48292

Ion Ratio Lower Upper

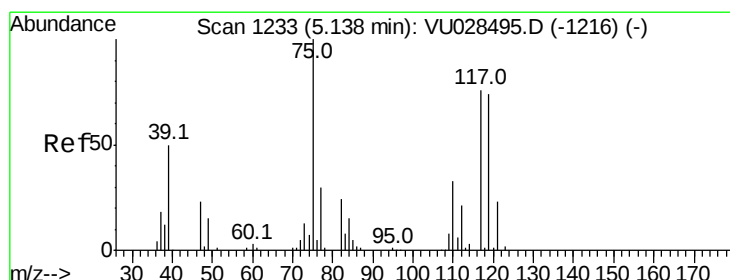
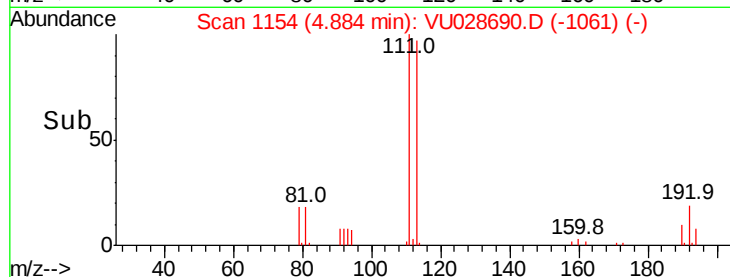
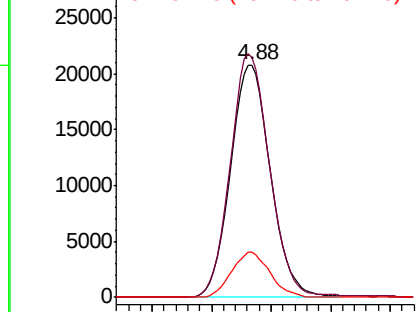
113 100

111 102.9 83.4 125.0

192 18.6 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: 4.473 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028690.D

Acq: 14 Dec 2018 18:03

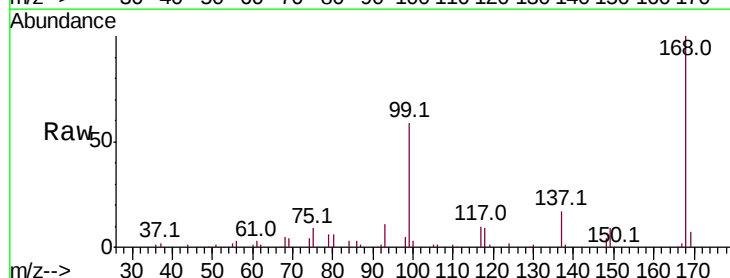
Tgt Ion: 75 Resp: 6815

Ion Ratio Lower Upper

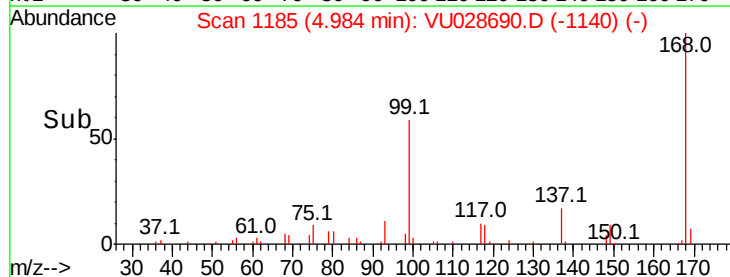
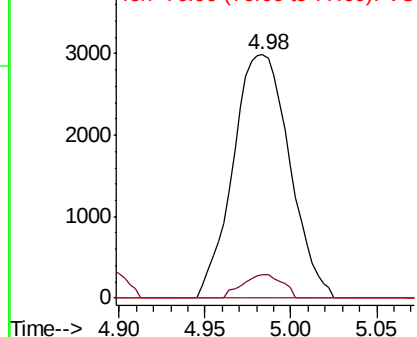
75 100

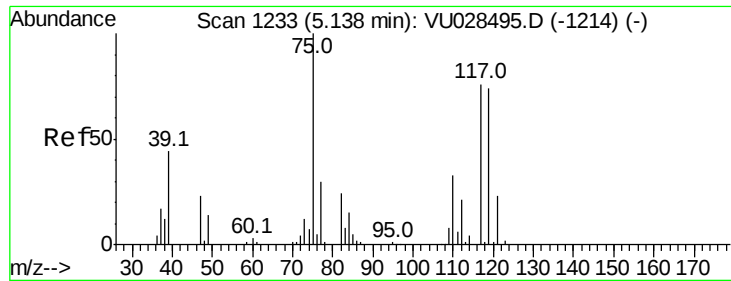
110 6.9 16.1 48.2#

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

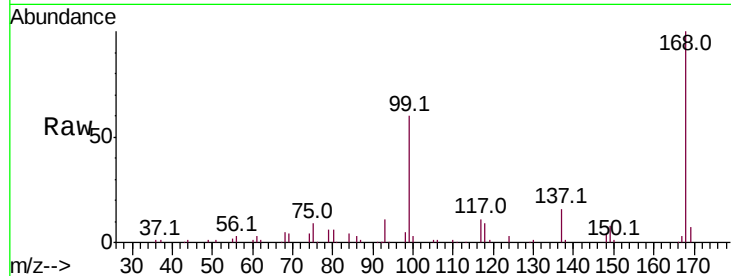




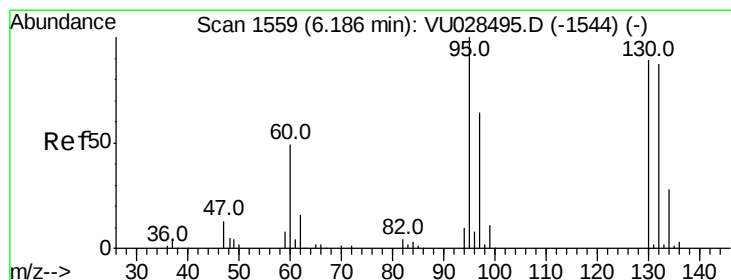
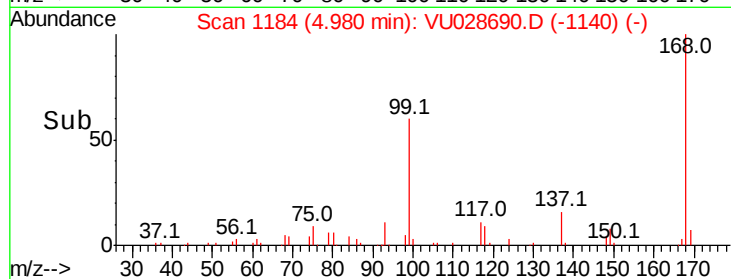
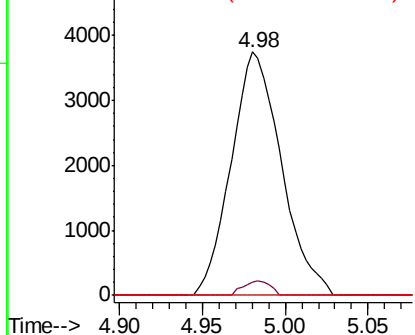
#38
Carbon Tetrachloride
Concen: 6.418 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028690.D
Acq: 14 Dec 2018 18:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 7882
Ion Ratio Lower Upper
117 100
119 5.6 77.6 116.4#
121 0.0 24.6 36.8#

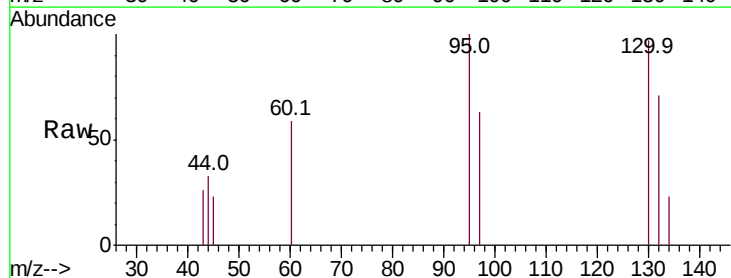


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

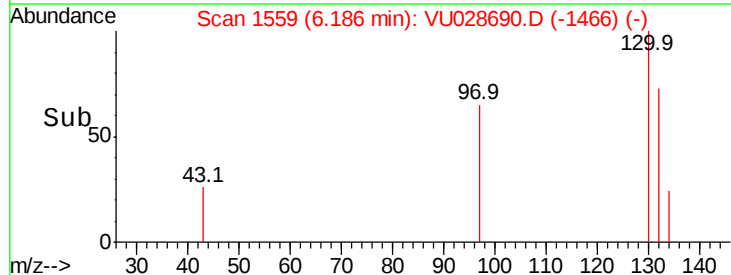
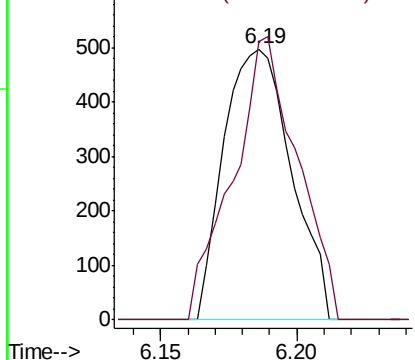


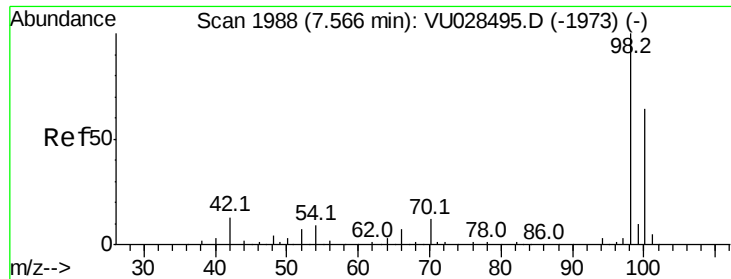
#44
Trichloroethene
Concen: 0.860 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028690.D
Acq: 14 Dec 2018 18:03

Tgt Ion:130 Resp: 858
Ion Ratio Lower Upper
130 100
95 103.0 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: 51.873 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028690.D

Acq: 14 Dec 2018 18:03

Instrument :

MSVOA_U

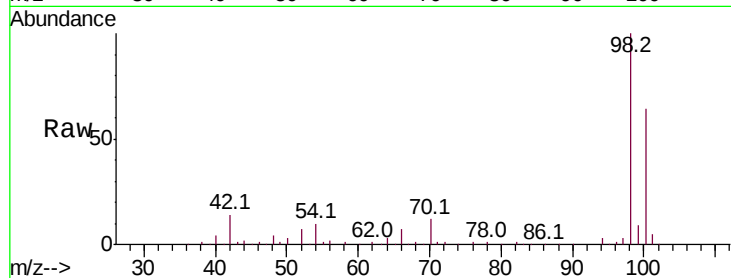
ClientSampled :

Tot Ion: 98 Resp: 179809

Ion Ratio Lower Upper

98 100

100 64.2 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

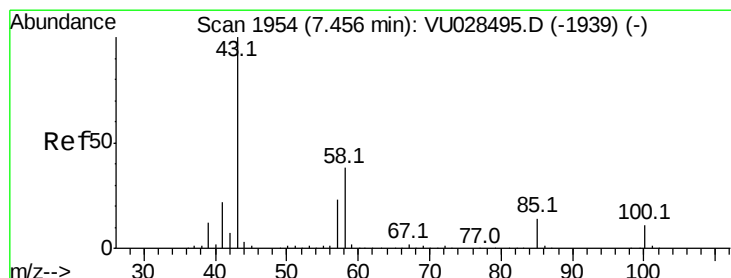
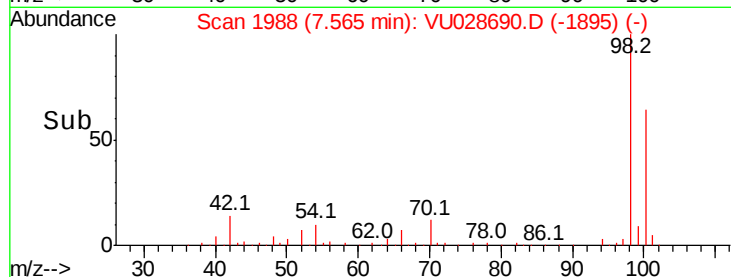
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.536 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028690.D

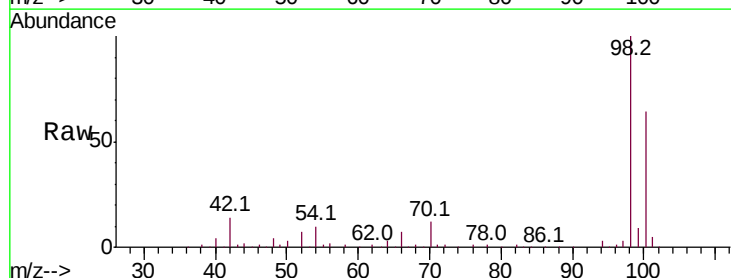
Acq: 14 Dec 2018 18:03

Tgt Ion: 43 Resp: 1054

Ion Ratio Lower Upper

43 100

58 159.9 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

1200

1000

800

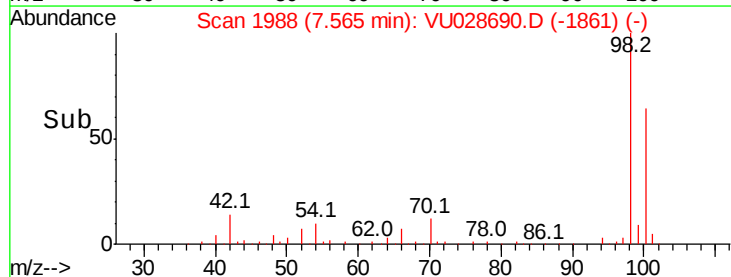
600

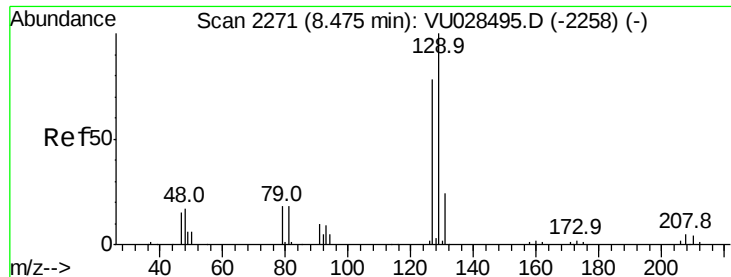
400

200

0

Time-->





#60

Dibromochloromethane

Concen: 2.654 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028690.D

Acq: 14 Dec 2018 18:03

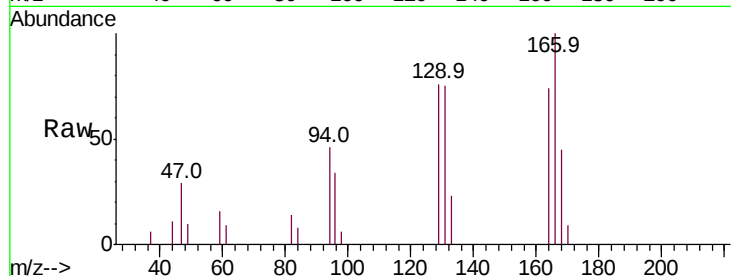
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:129 Resp: 2713

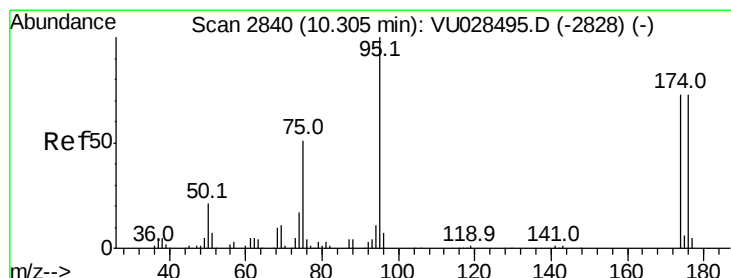
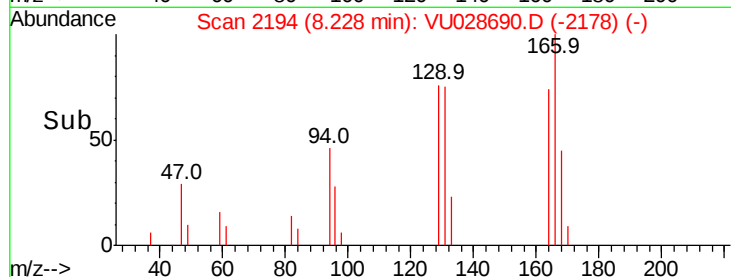
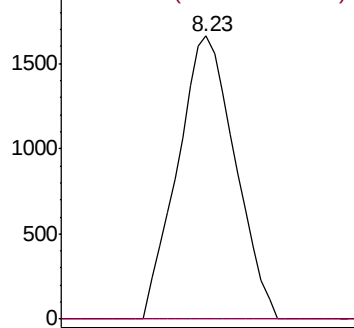
Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 45.059 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028690.D

Acq: 14 Dec 2018 18:03

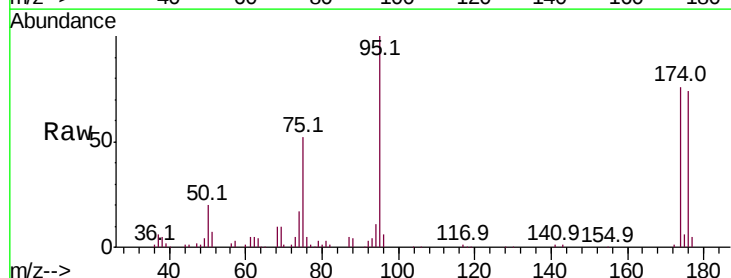
Tgt Ion: 95 Resp: 58378

Ion Ratio Lower Upper

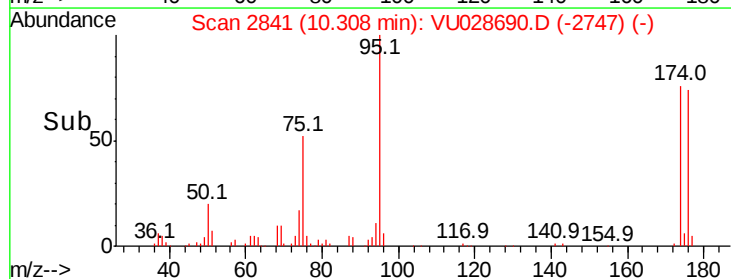
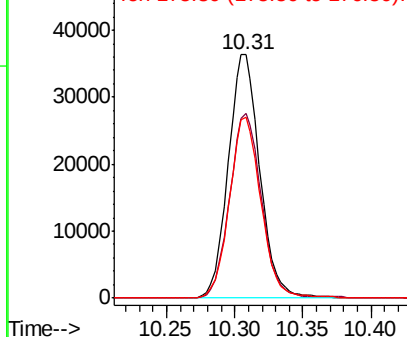
95 100

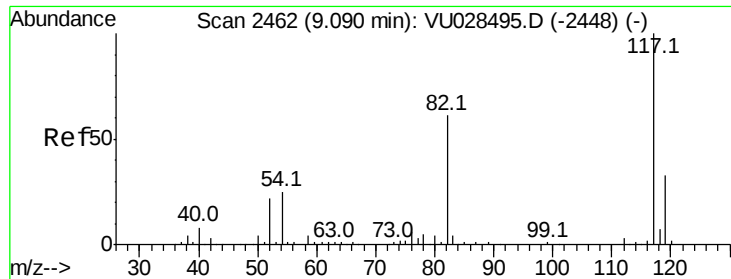
174 76.5 0.0 150.4

176 74.3 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

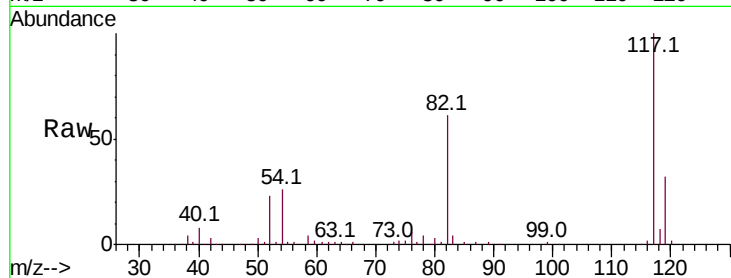




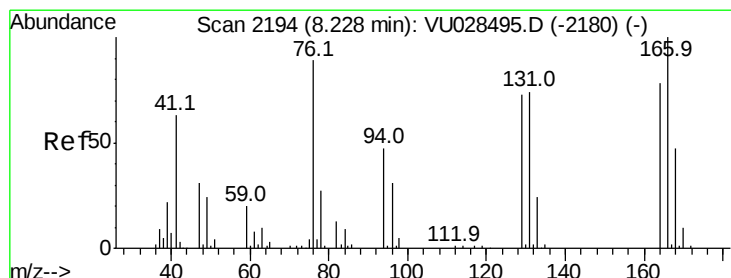
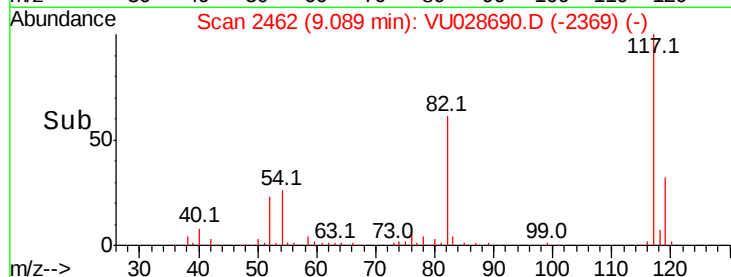
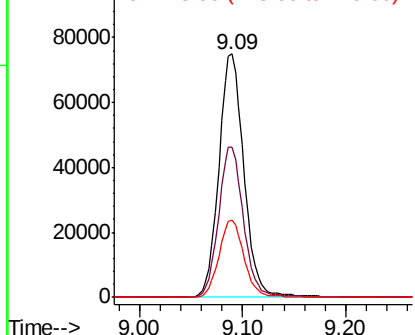
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028690.D
Acq: 14 Dec 2018 18:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 126782
Ion Ratio Lower Upper
117 100
82 61.4 48.9 73.3
119 31.7 26.2 39.4

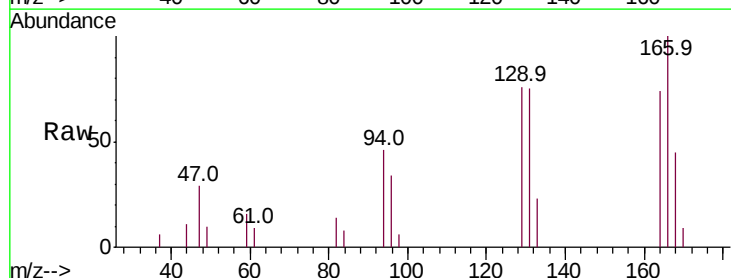


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

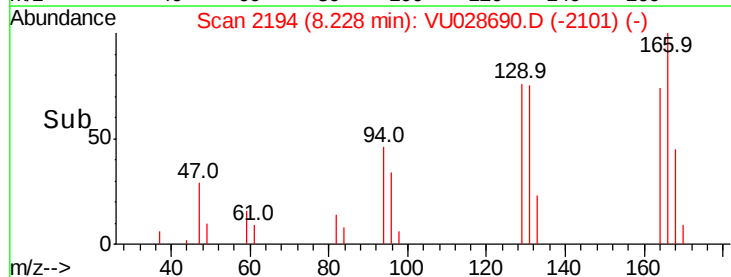
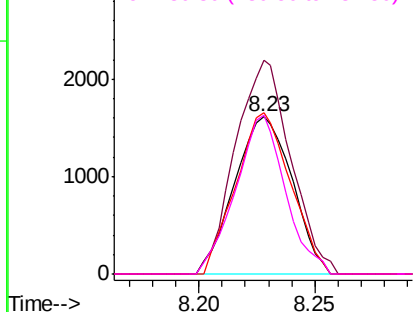


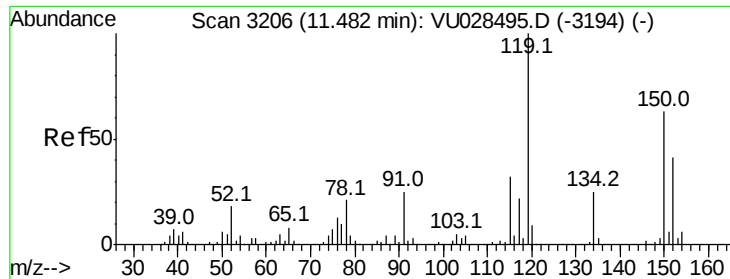
#64
Tetrachloroethene
Concen: 3.279 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028690.D
Acq: 14 Dec 2018 18:03

Tgt Ion:164 Resp: 2773
Ion Ratio Lower Upper
164 100
166 135.7 101.9 152.9
129 102.8 74.9 112.3
131 101.2 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: VU028690.D

Acq: 14 Dec 2018 18:03

Instrument :

MSVOA_U

ClientSampleId :

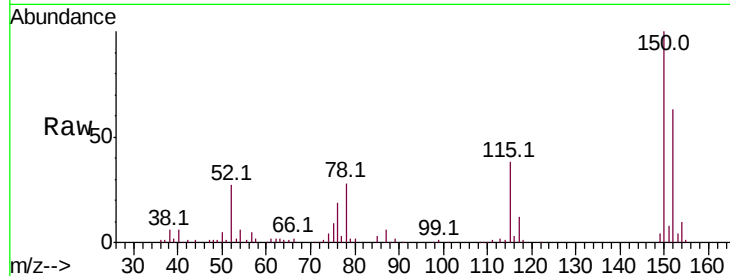
Tot Ion:152 Resp: 48907

Ion Ratio Lower Upper

152 100

115 60.7 42.7 128.1

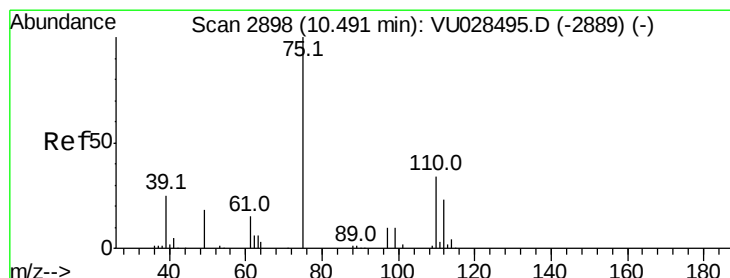
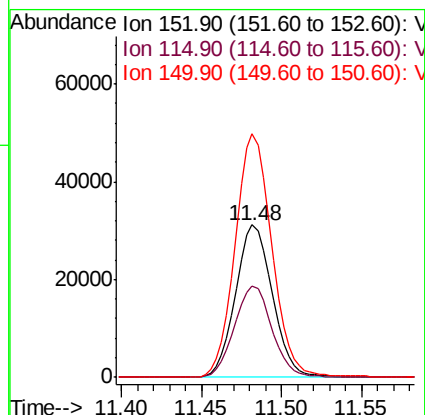
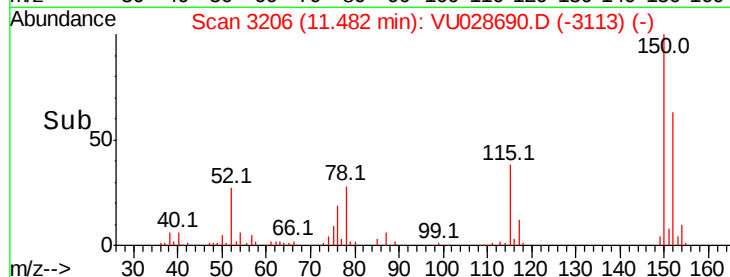
150 159.2 0.0 346.0



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: 24.534 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.18 min

Lab File: VU028690.D

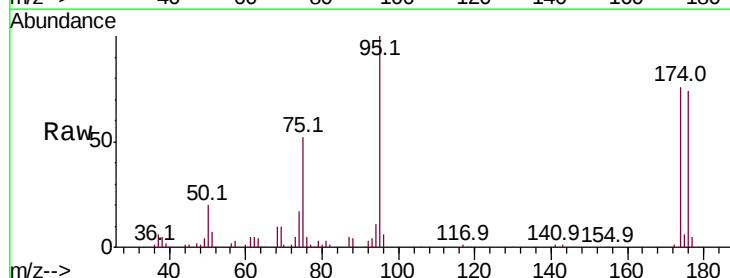
Acq: 14 Dec 2018 18:03

Tgt Ion: 75 Resp: 30639

Ion Ratio Lower Upper

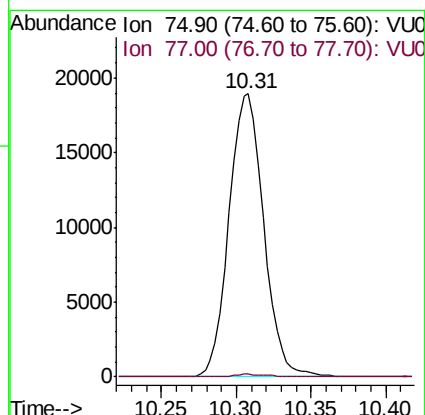
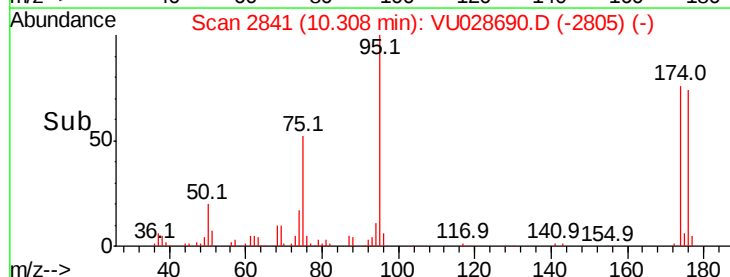
75 100

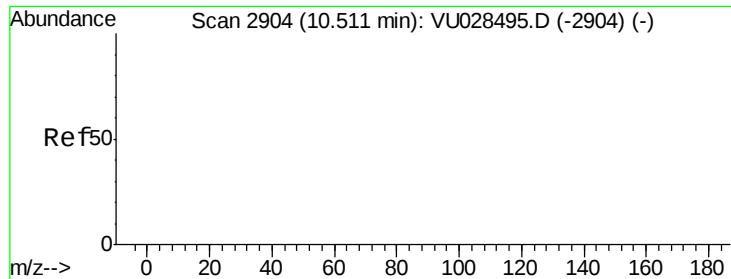
77 0.8 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.212 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028690.D

Acq: 14 Dec 2018 18:03

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 30639

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

