

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028638.D
 Acq On : 12 Dec 2018 09:32
 Operator : MD/SY
 Sample : VU1213WBL02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBL02

Quant Time: Dec 13 00:45:02 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	118730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	209932	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	182192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68042	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	87823	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
35) Dibromofluoromethane	4.88	113	68871	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
50) Toluene-d8	7.57	98	265831	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	10.31	95	84176	43.09	ug/l	0.00
Spiked Amount			Recovery	=	86.18%	

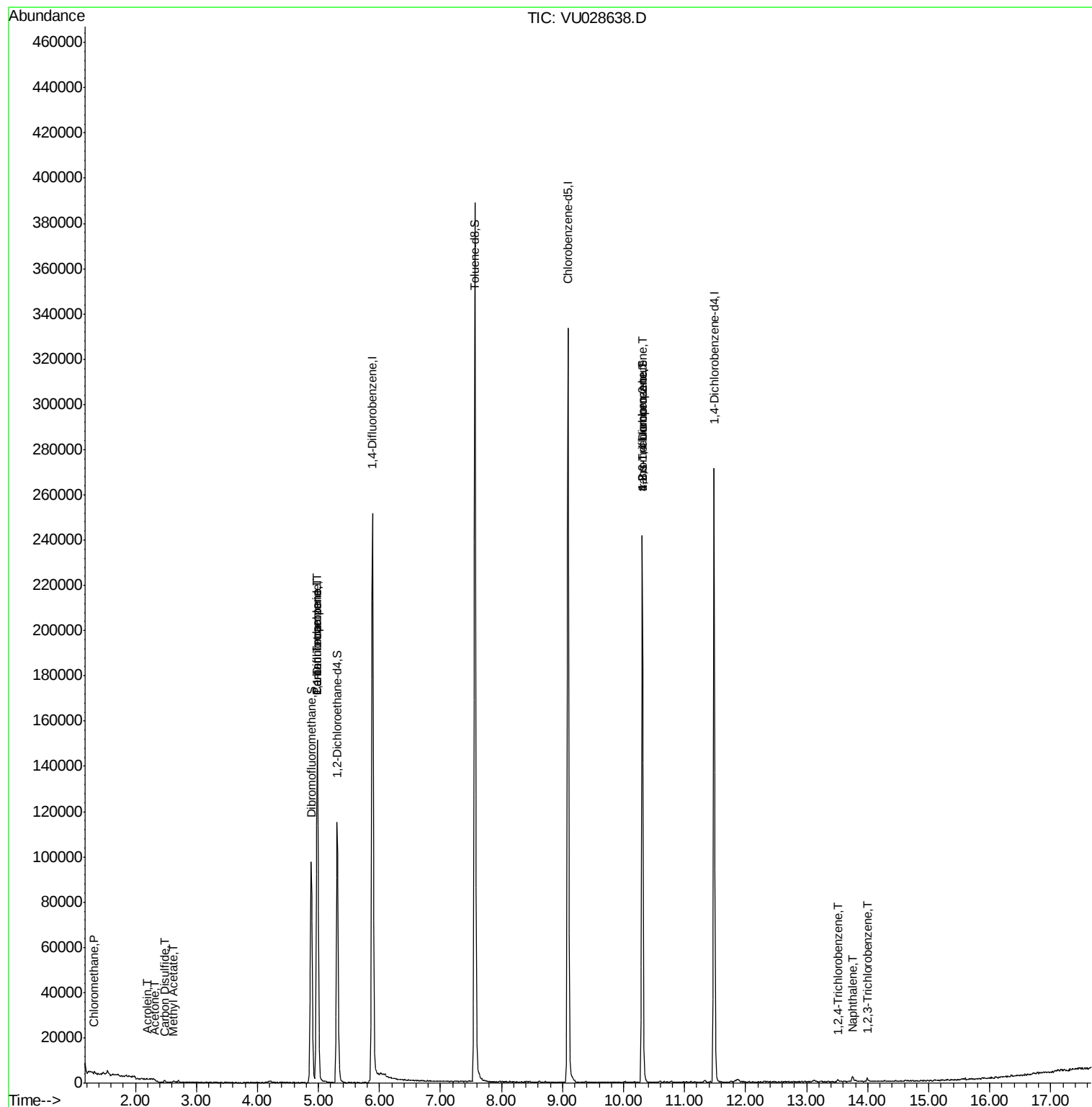
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1049	0.359	ug/l	91
13) Acrolein	2.20	56	127	0.395	ug/l #	73
16) Acetone	2.32	43	899	0.760	ug/l #	44
17) Carbon Disulfide	2.48	76	1017	0.214	ug/l #	75
18) Methyl Acetate	2.62	43	1121	0.366	ug/l #	56
31) Cyclohexane	4.98	56	2511	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9891	4.306	ug/l #	46
38) Carbon Tetrachloride	4.98	117	11242	6.072	ug/l #	15
76) 1,2,3-Trichloropropane	10.30	75	41666	23.981	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	41666	58.867	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.50	180	480	1.141	ug/l #	63
95) Naphthalene	13.75	128	3669	0.663	ug/l #	88
96) 1,2,3-Trichlorobenzene	13.99	180	716	0.599	ug/l #	87

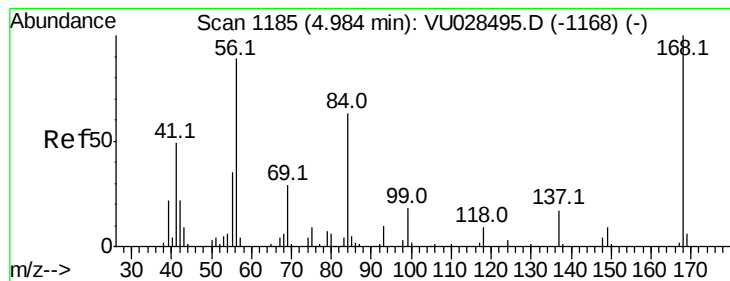
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 13 00:45:02 2018
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: VU028638.D

Acq: 12 Dec 2018 09:32

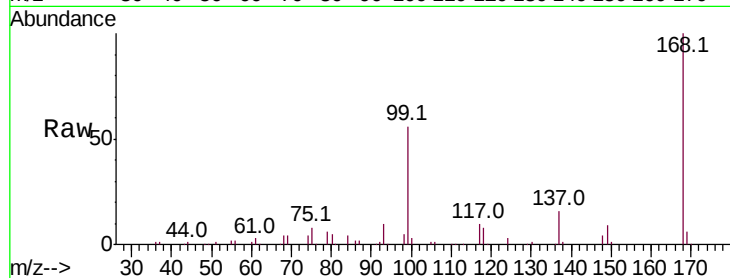
Instrument :
MSVOA_U
ClientSampleId :
VU1213WBL02

Tot Ion:168 Resp: 118730

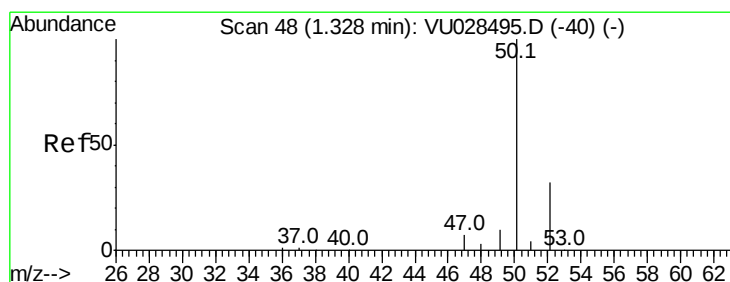
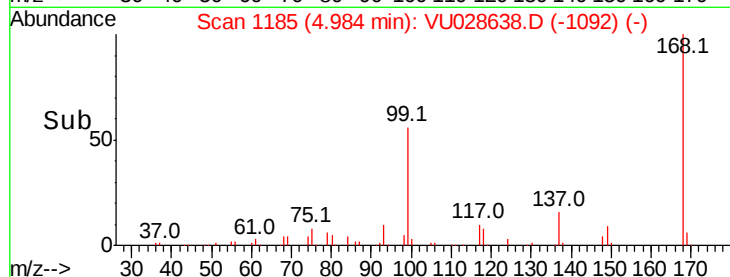
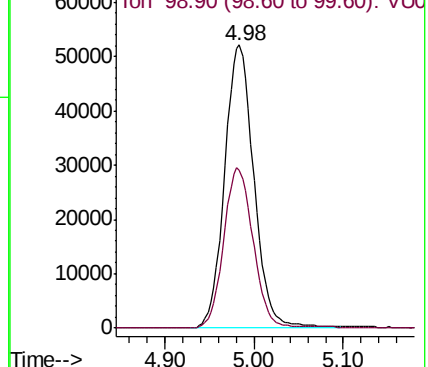
Ion Ratio Lower Upper

168 100

99 55.9 46.6 69.8



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



#3

Chloromethane

Concen: 0.359 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028638.D

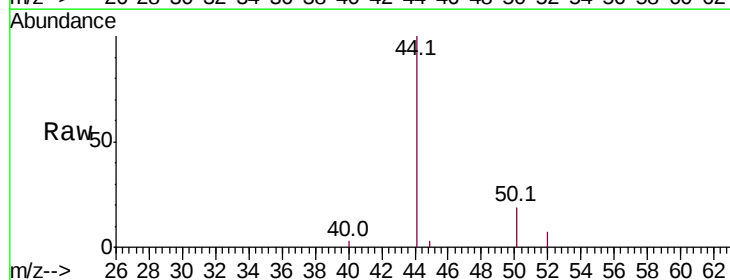
Acq: 12 Dec 2018 09:32

Tgt Ion: 50 Resp: 1049

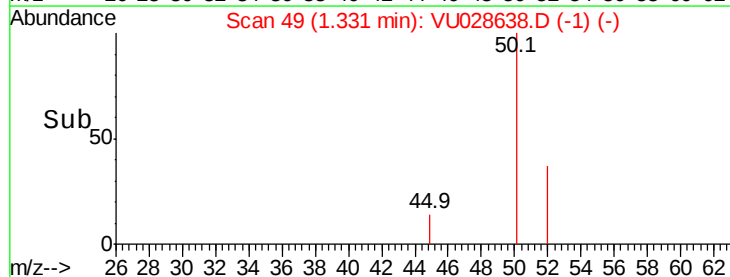
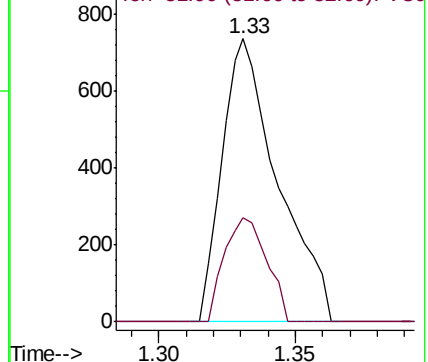
Ion Ratio Lower Upper

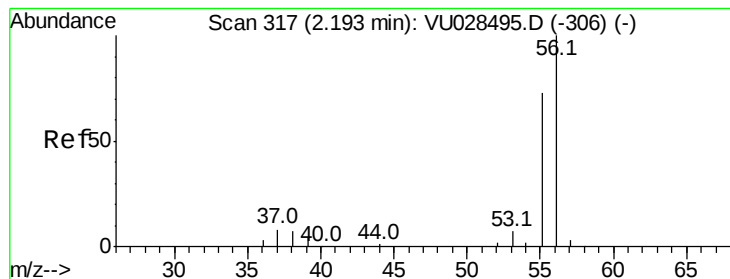
50 100

52 36.7 25.5 38.3



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





#13

Acrolein

Concen: 0.395 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028638.D

Acq: 12 Dec 2018 09:32

Instrument :

MSVOA_U

ClientSampleId :

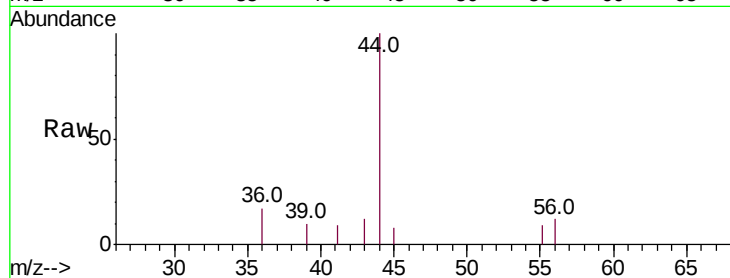
VU1213WBL02

Tot Ion: 56 Resp: 127

Ion Ratio Lower Upper

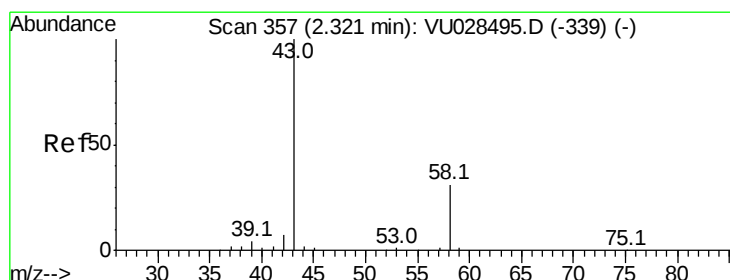
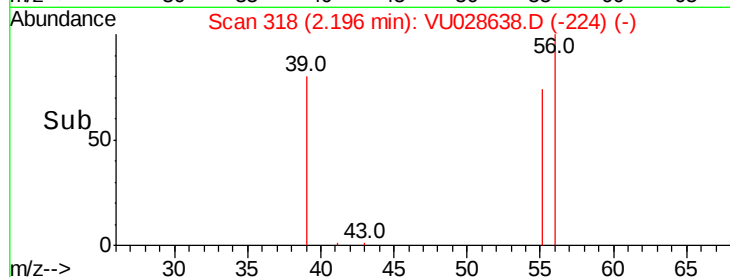
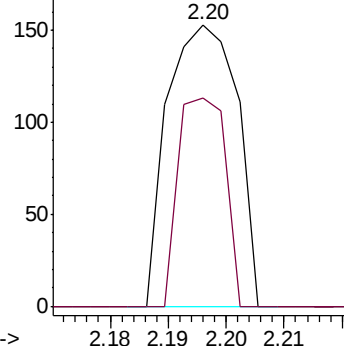
56 100

55 49.6 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 0.760 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028638.D

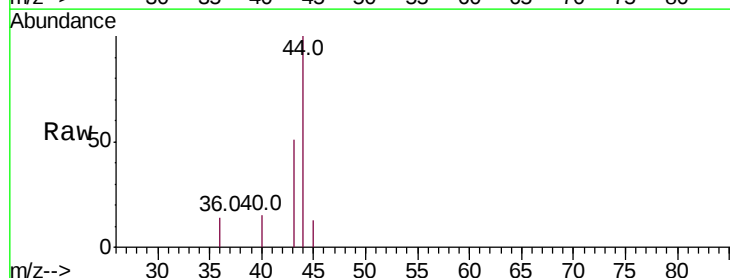
Acq: 12 Dec 2018 09:32

Tgt Ion: 43 Resp: 899

Ion Ratio Lower Upper

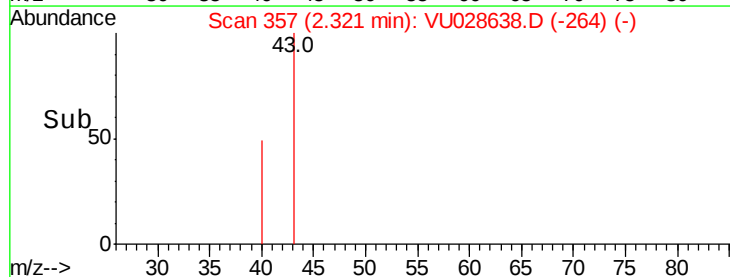
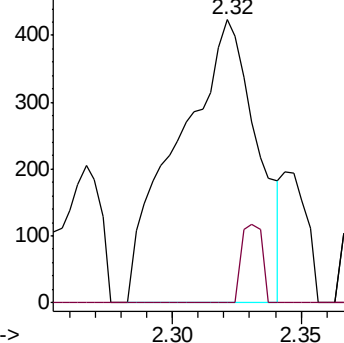
43 100

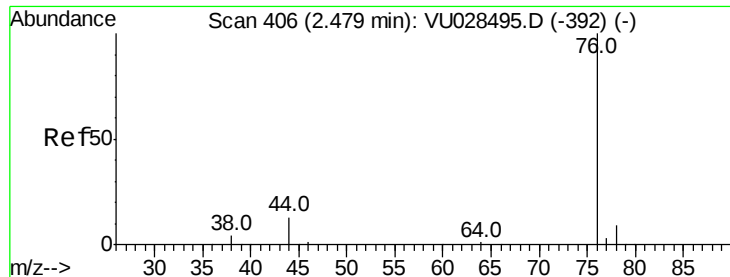
58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

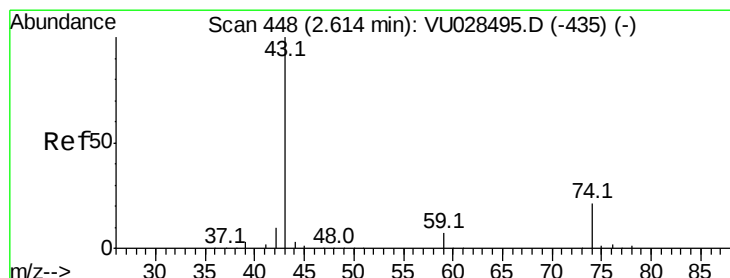
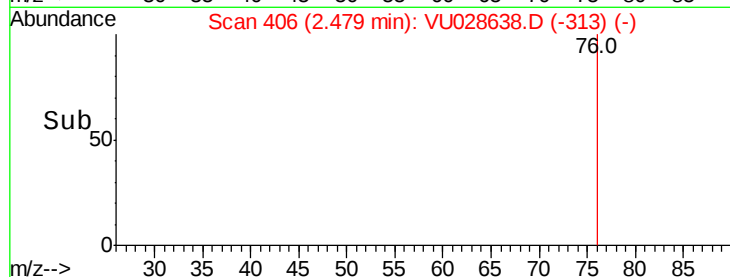
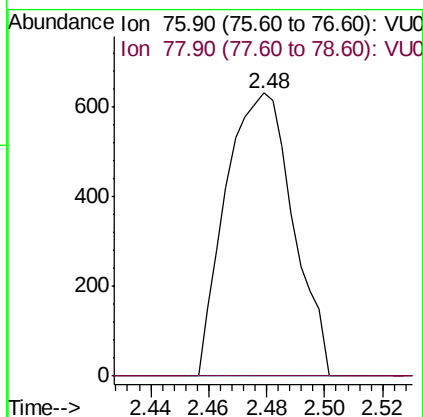
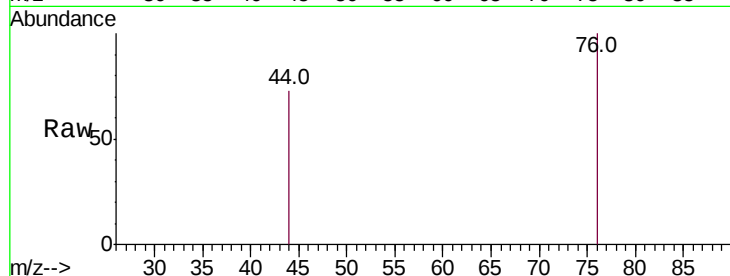




#17
Carbon Disulfide
Concen: 0.214 ug/l
RT: 2.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU028638.D
Acq: 12 Dec 2018 09:32

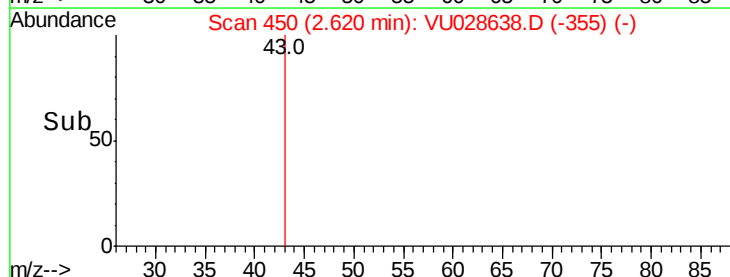
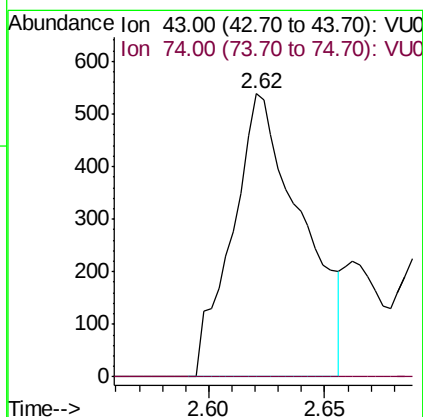
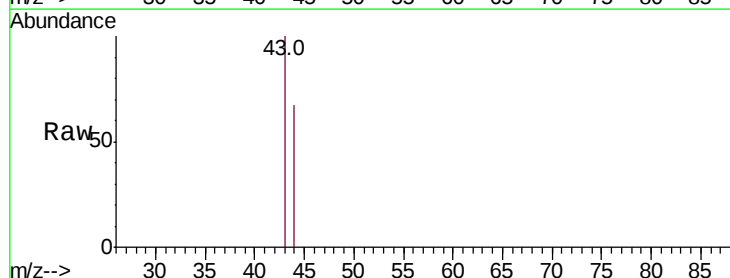
Instrument :
MSVOA_U
ClientSampleId :
VU1213WBL02

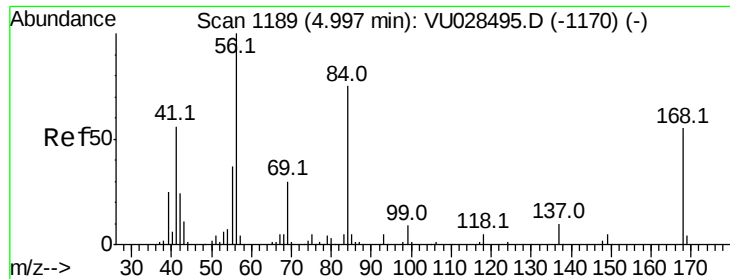
Tot Ion: 76 Resp: 1017
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.366 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028638.D
Acq: 12 Dec 2018 09:32

Tgt Ion: 43 Resp: 1121
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#

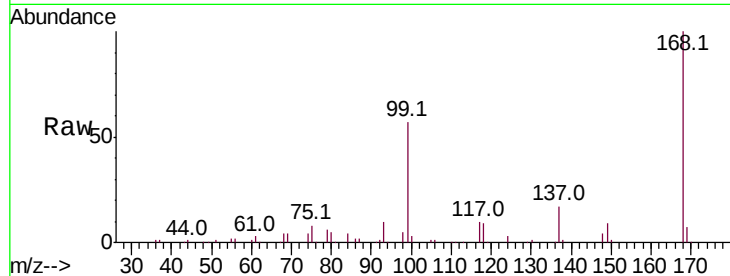




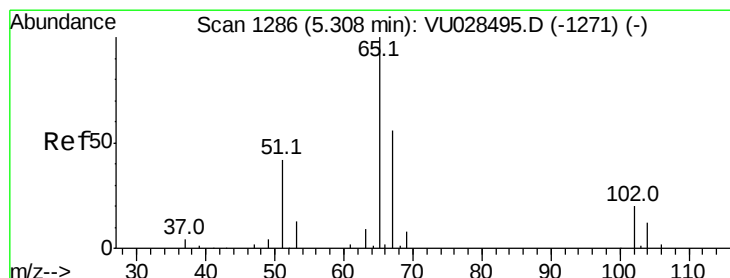
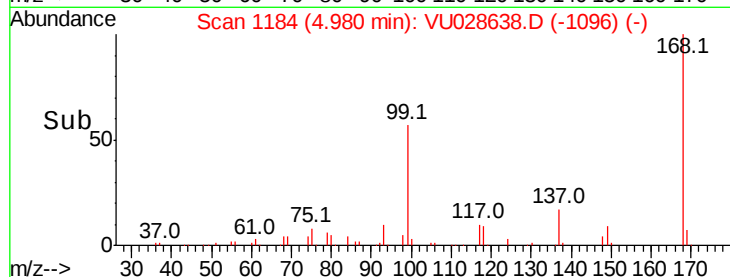
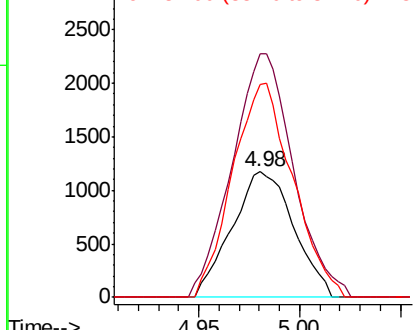
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028638.D
Acq: 12 Dec 2018 09:32

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBL02

Tot Ion: 56 Resp: 2511
Ion Ratio Lower Upper
56 100
69 193.5 24.0 36.0#
84 169.8 59.7 89.5#

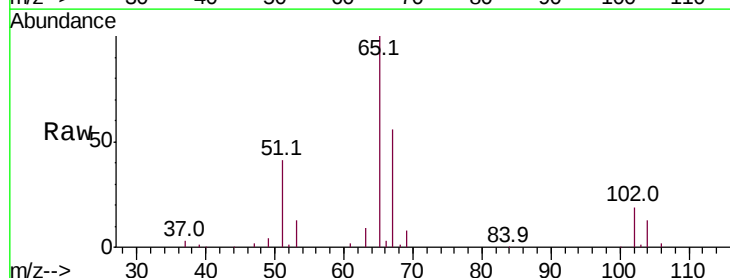


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

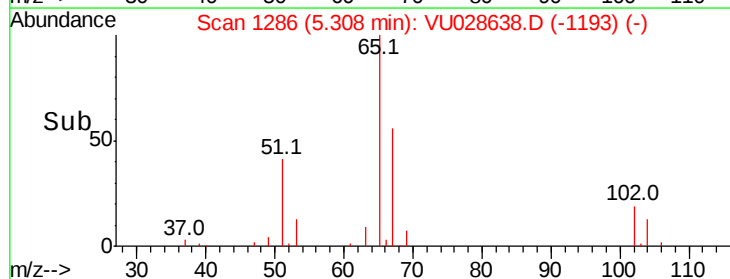
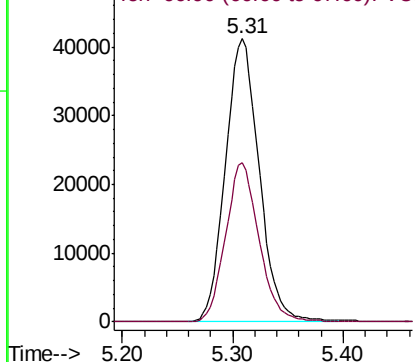


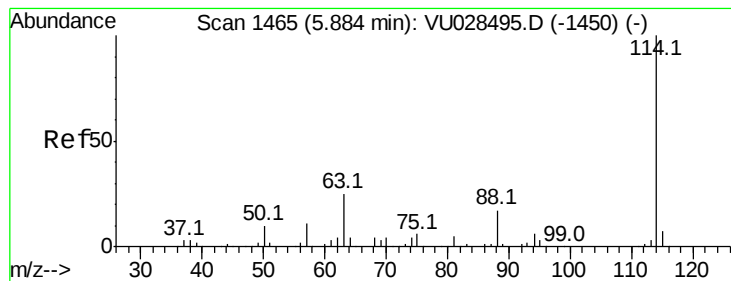
#33
1,2-Dichloroethane-d4
Concen: 48.470 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028638.D
Acq: 12 Dec 2018 09:32

Tgt Ion: 65 Resp: 87823
Ion Ratio Lower Upper
65 100
67 55.4 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028638.D

Acq: 12 Dec 2018 09:32

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBL02

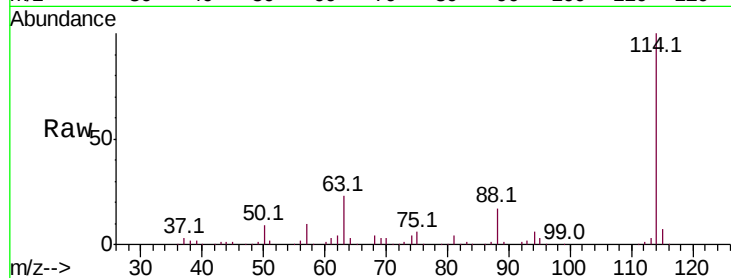
Tot Ion:114 Resp: 209932

Ion Ratio Lower Upper

114 100

63 23.1 0.0 49.2

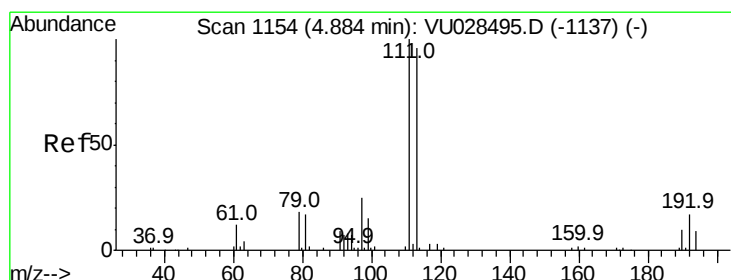
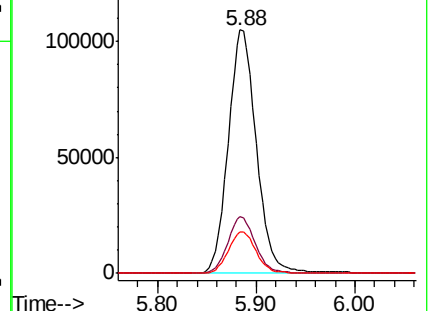
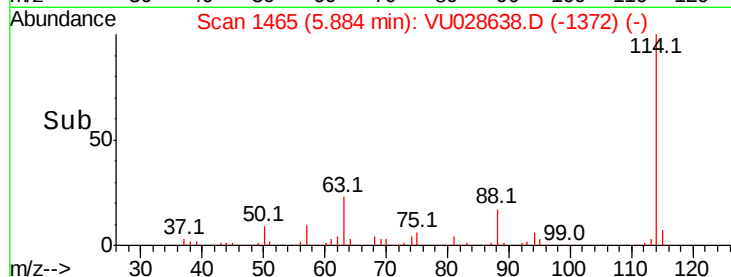
88 16.9 0.0 33.4



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: 52.131 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028638.D

Acq: 12 Dec 2018 09:32

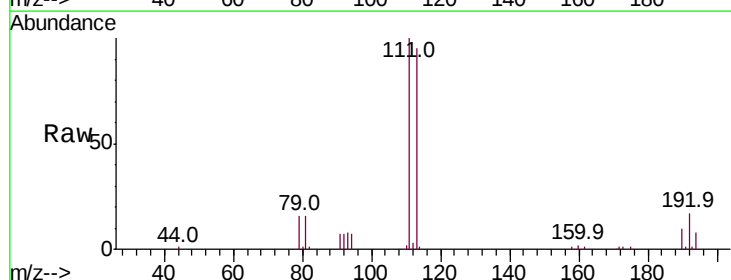
Tgt Ion:113 Resp: 68871

Ion Ratio Lower Upper

113 100

111 104.3 83.4 125.0

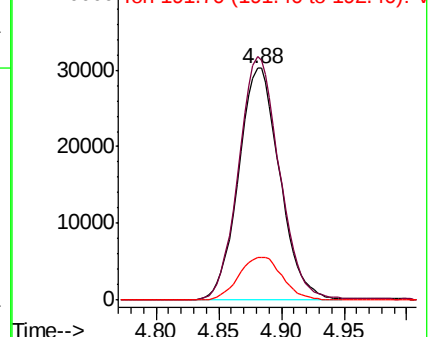
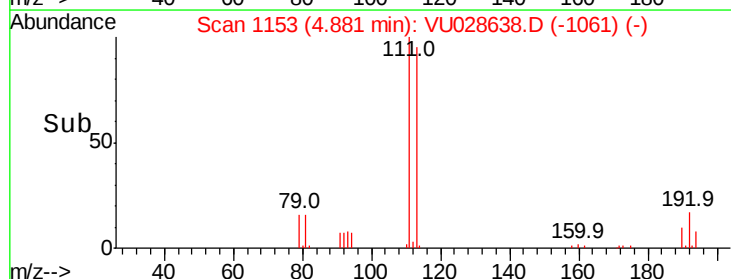
192 19.5 14.8 22.2

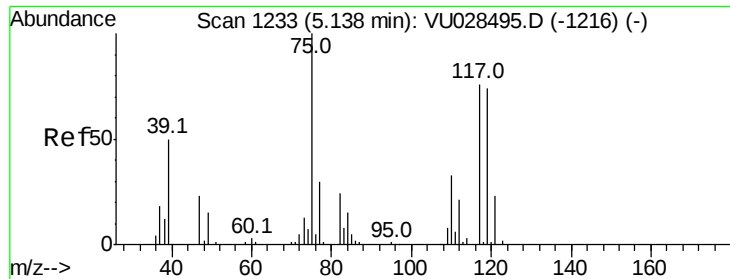


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.306 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028638.D

Acq: 12 Dec 2018 09:32

Instrument :

MSVOA_U

ClientSampleId :

VU1213WBL02

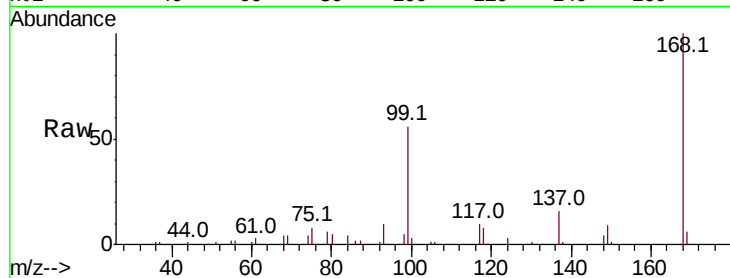
Tot Ion: 75 Resp: 9891

Ion Ratio Lower Upper

75 100

110 3.1 16.1 48.2#

77 0.0 24.5 36.7#

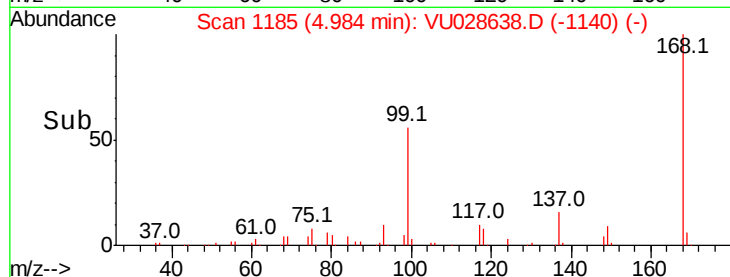


Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-1216) (-)

Ion 109.90 (109.60 to 110.60): VU028495.D (-1216) (-)

Ion 76.90 (76.60 to 77.60): VU028495.D (-1216) (-)

Time-->

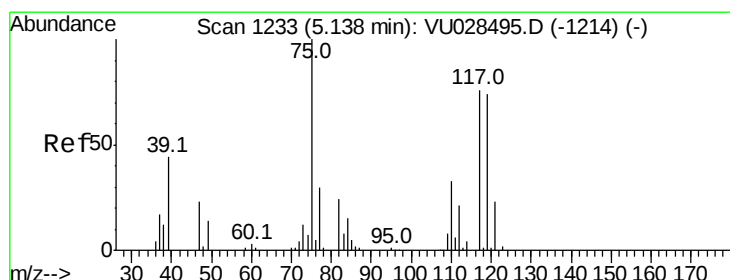


Abundance Ion 74.90 (74.60 to 75.60): VU028638.D (-1140) (-)

Ion 109.90 (109.60 to 110.60): VU028638.D (-1140) (-)

Ion 76.90 (76.60 to 77.60): VU028638.D (-1140) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.072 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028638.D

Acq: 12 Dec 2018 09:32

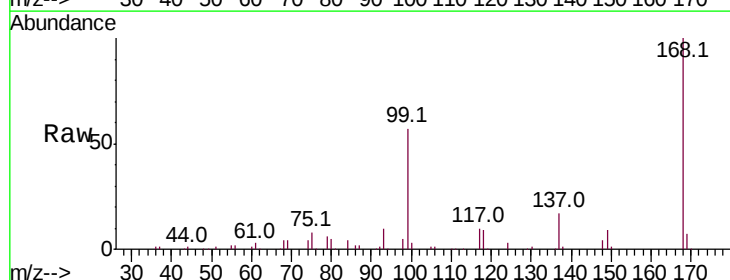
Tgt Ion: 117 Resp: 11242

Ion Ratio Lower Upper

117 100

119 5.0 77.6 116.4#

121 0.0 24.6 36.8#

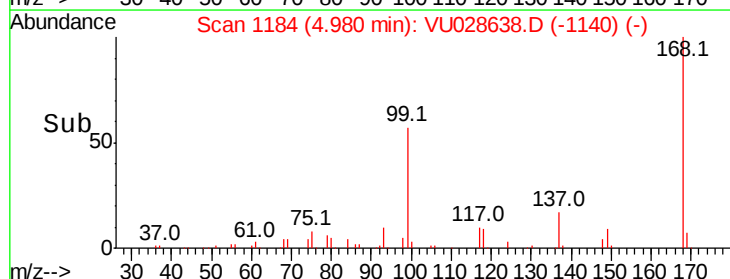


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

Time-->

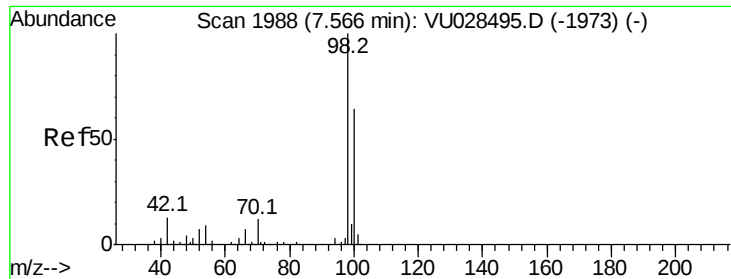


Abundance Ion 116.80 (116.50 to 117.50): VU028638.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU028638.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU028638.D (-1140) (-)

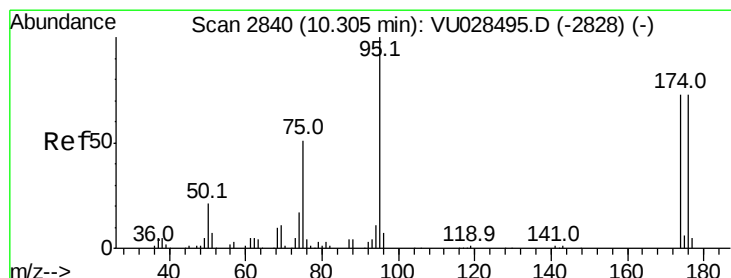
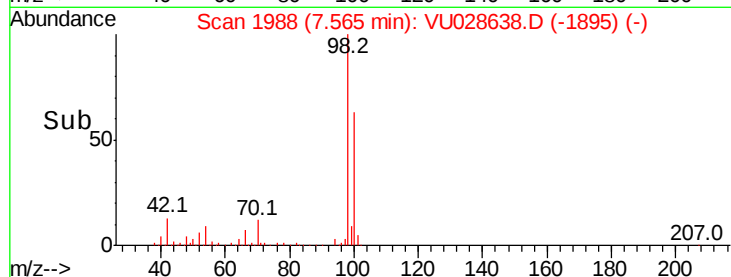
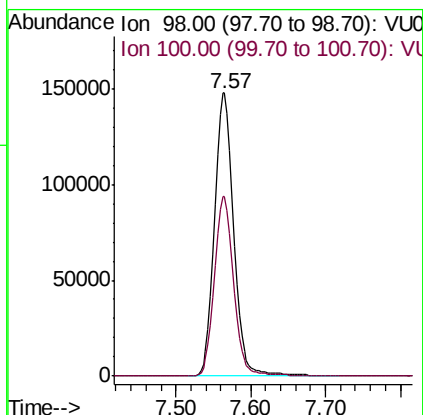
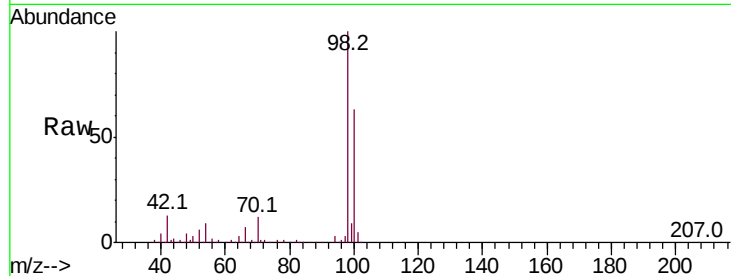
Time-->



#50
Toluene-d8
Concen: 50.866 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028638.D
Acq: 12 Dec 2018 09:32

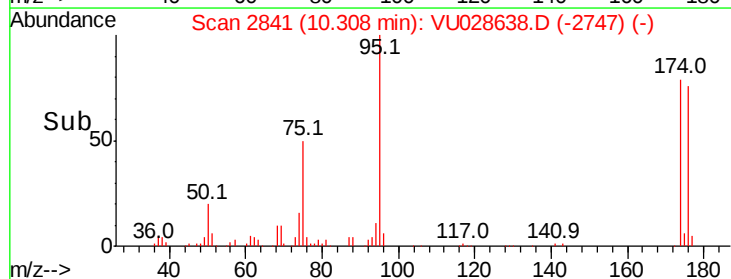
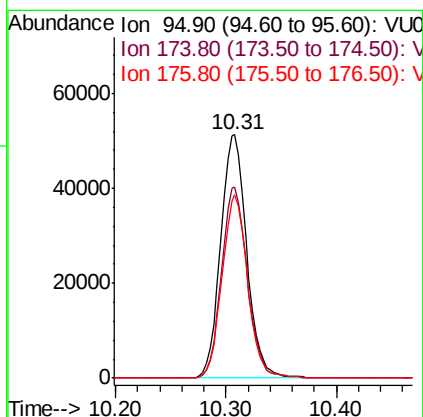
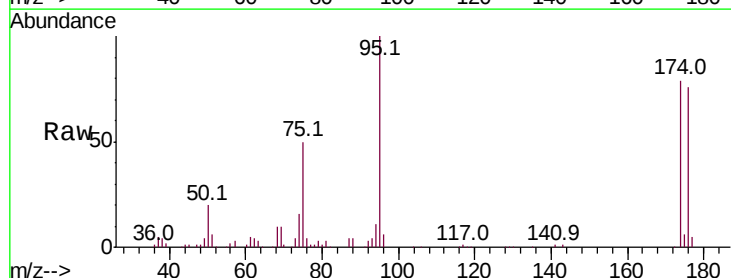
Instrument :
MSVOA_U
ClientSampleId :
VU1213WBL02

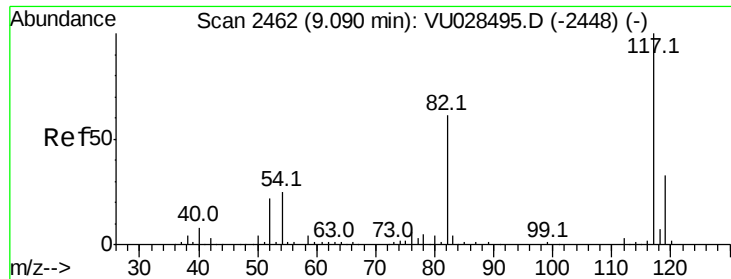
Tot Ion: 98 Resp: 265831
Ion Ratio Lower Upper
98 100
100 63.4 51.0 76.6



#62
4-Bromofluorobenzene
Concen: 43.094 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028638.D
Acq: 12 Dec 2018 09:32

Tgt Ion: 95 Resp: 84176
Ion Ratio Lower Upper
95 100
174 78.0 0.0 150.4
176 73.7 0.0 145.2

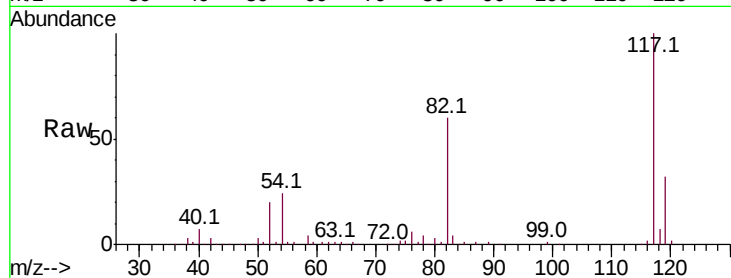




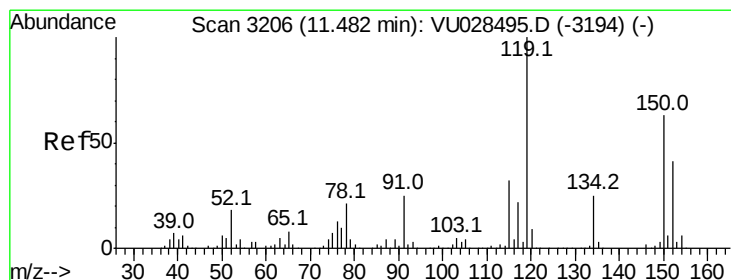
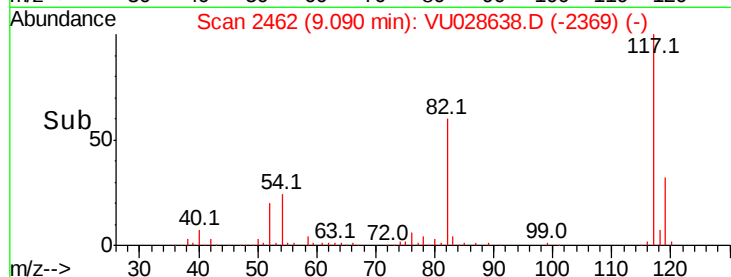
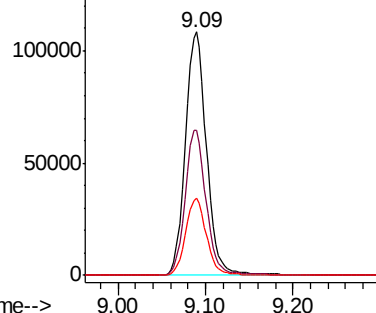
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028638.D
Acq: 12 Dec 2018 09:32

Instrument :
MSVOA_U
ClientSampleId :
VU1213WBL02

Tot Ion:117 Resp: 182192
Ion Ratio Lower Upper
117 100
82 59.7 48.9 73.3
119 31.5 26.2 39.4

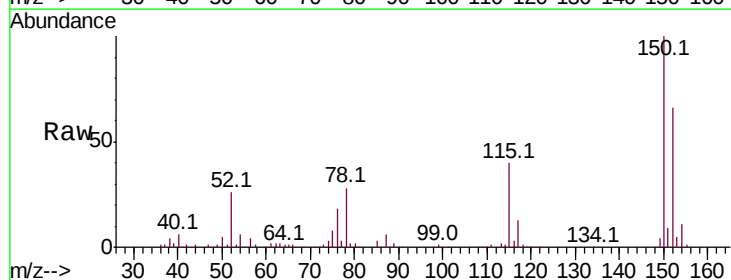


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

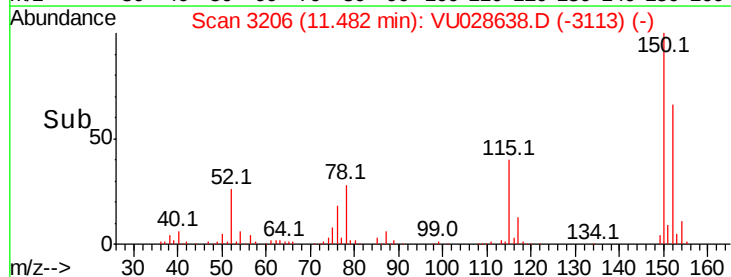
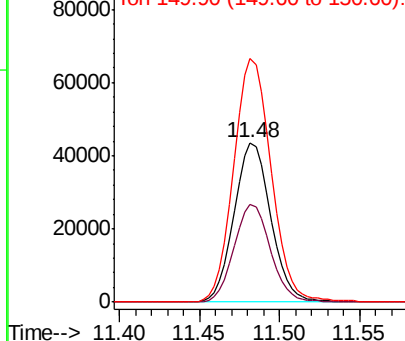


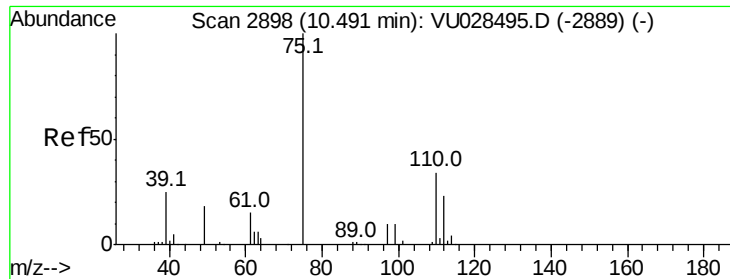
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028638.D
Acq: 12 Dec 2018 09:32

Tgt Ion:152 Resp: 68042
Ion Ratio Lower Upper
152 100
115 60.8 42.7 128.1
150 156.7 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: 23.981 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028638.D

Acq: 12 Dec 2018 09:32

Instrument :

MSVOA_U

ClientSampleId :

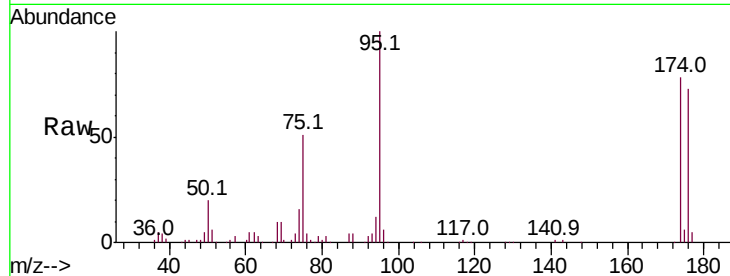
VU1213WBL02

Tot Ion: 75 Resp: 41666

Ion Ratio Lower Upper

75 100

77 1.2 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.30

25000

20000

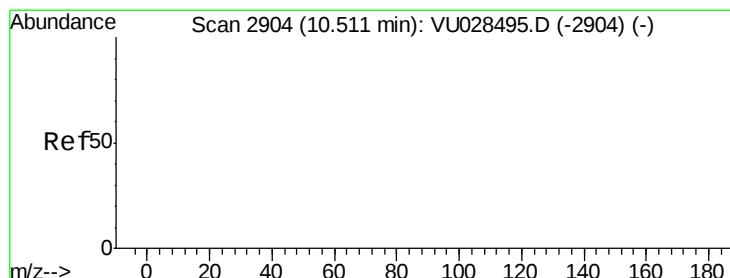
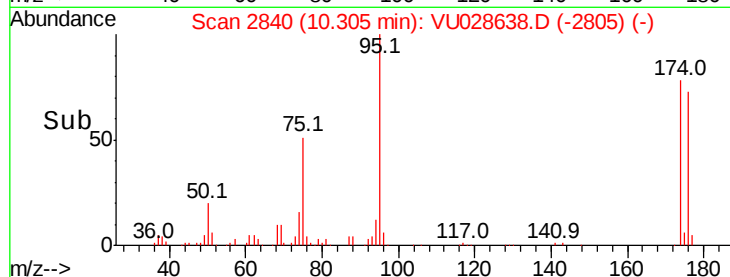
15000

10000

5000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 58.867 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028638.D

Acq: 12 Dec 2018 09:32

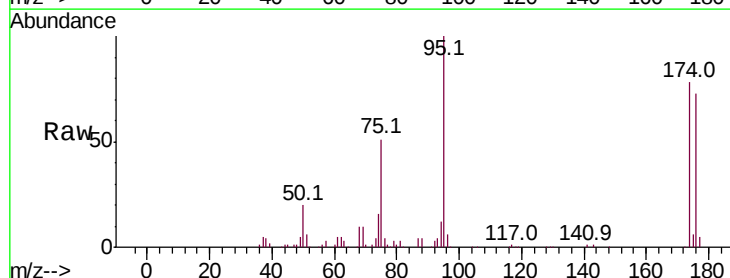
Tgt Ion: 75 Resp: 41666

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

10.30

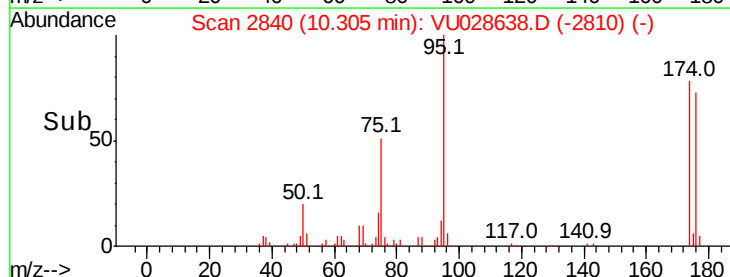
30000

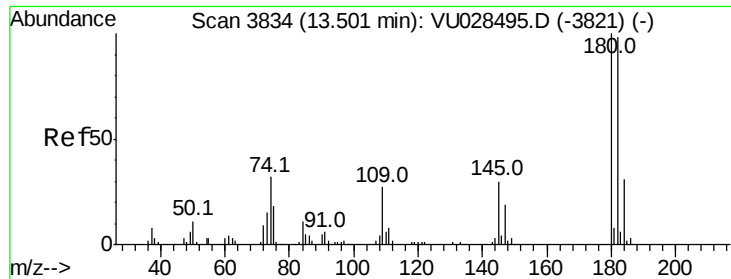
20000

10000

0

Time-->

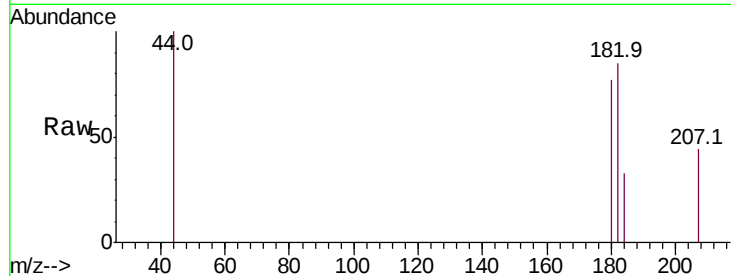




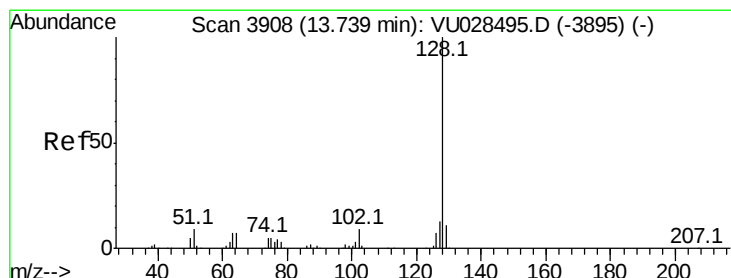
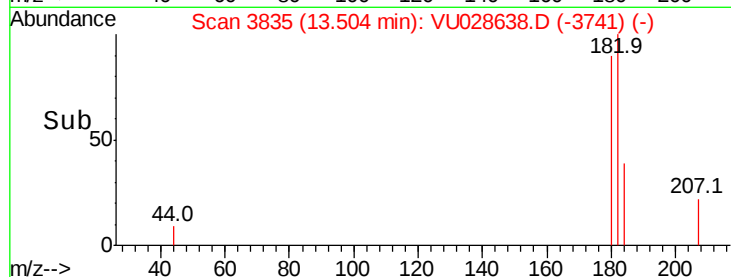
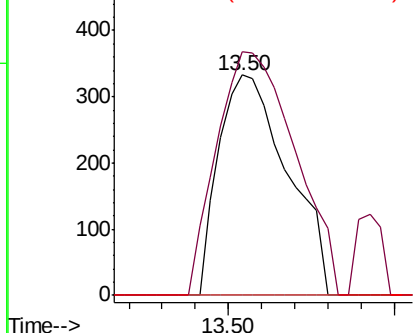
#93
 1,2,4-Trichlorobenzene
 Concen: 1.141 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028638.D
 Acq: 12 Dec 2018 09:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBL02

Tot Ion:180 Resp: 480
 Ion Ratio Lower Upper
 180 100
 182 126.0 47.9 143.8
 145 0.0 15.0 45.1#

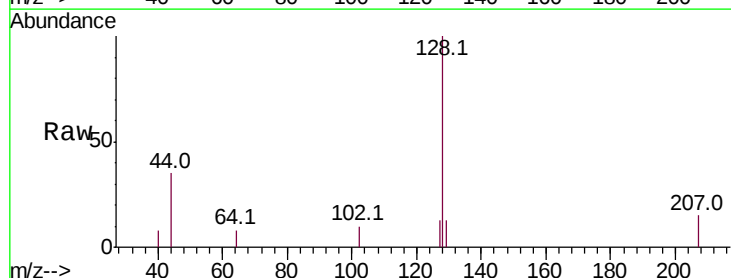


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

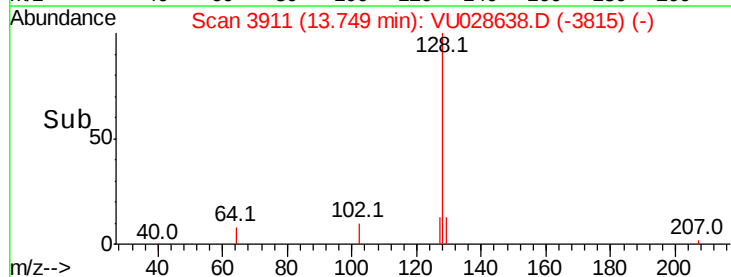
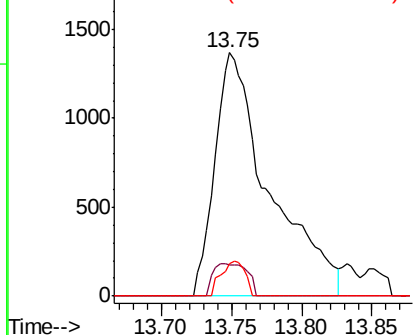


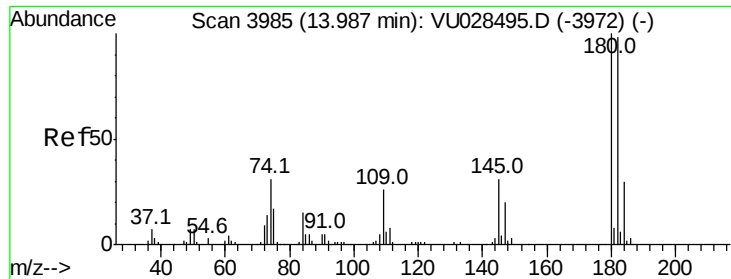
#95
 Naphthalene
 Concen: 0.663 ug/l
 RT: 13.75 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: VU028638.D
 Acq: 12 Dec 2018 09:32

Tgt Ion:128 Resp: 3669
 Ion Ratio Lower Upper
 128 100
 127 8.3 10.4 15.6#
 129 6.3 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.599 ug/l
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU028638.D
 Acq: 12 Dec 2018 09:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1213WBL02

Tot Ion:180 Resp: 716
 Ion Ratio Lower Upper
 180 100
 182 103.2 48.2 144.6
 145 14.5 15.8 47.3#

