

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121718\
 Data File : VU028714.D
 Acq On : 17 Dec 2018 12:41
 Operator : MD/SY
 Sample : J6439-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

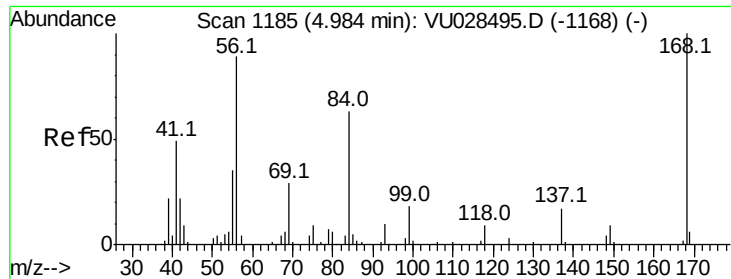
Quant Time: Dec 18 03:06:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	78462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	138916	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	127038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	50490	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	63686	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
35) Dibromofluoromethane	4.88	113	47925	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
50) Toluene-d8	7.57	98	180242	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	10.31	95	59262	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2103	1.088	ug/l	94
4) Vinyl Chloride	1.28	62	1558	1.117	ug/l #	43
16) Acetone	2.32	43	289	0.370	ug/l #	44
18) Methyl Acetate	2.62	43	1140	0.563	ug/l #	60
20) Methylene Chloride	2.70	84	237	0.206	ug/l #	49
31) Cyclohexane	4.98	56	1879	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	6543	4.304	ug/l #	50
38) Carbon Tetrachloride	4.98	117	7291	5.951	ug/l #	17
51) 4-Methyl-2-Pentanone	7.57	43	1018	0.519	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	30587	23.724	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	30587	58.243	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028714.D

Acq: 17 Dec 2018 12:41

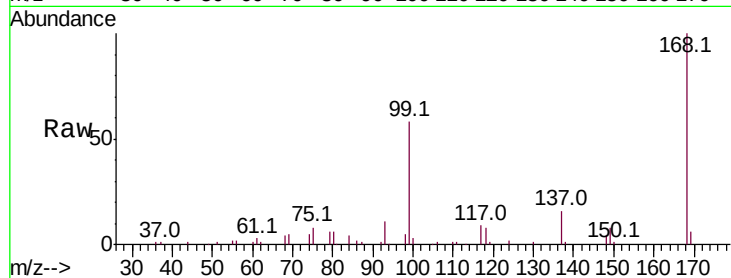
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 78462

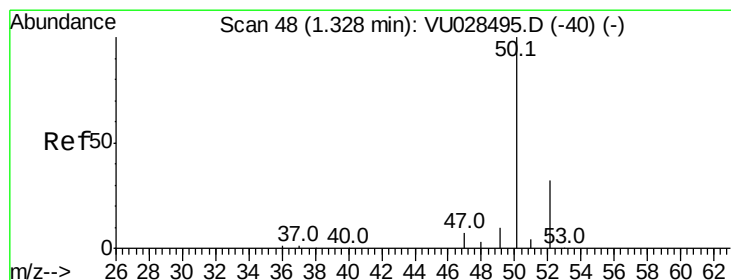
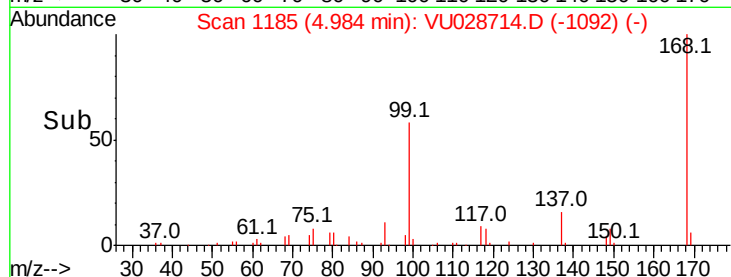
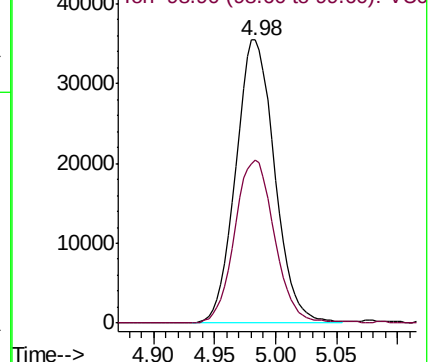
Ion Ratio Lower Upper

168 100

99 57.6 46.6 69.8



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



#3

Chloromethane

Concen: 1.088 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028714.D

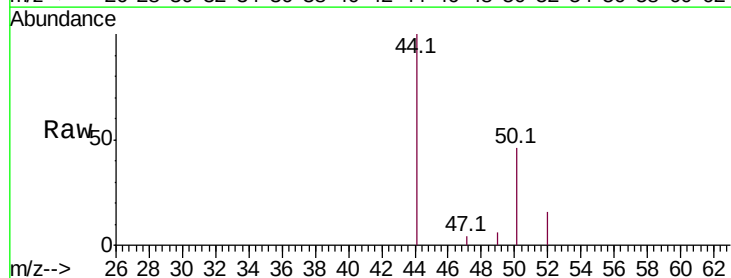
Acq: 17 Dec 2018 12:41

Tgt Ion: 50 Resp: 2103

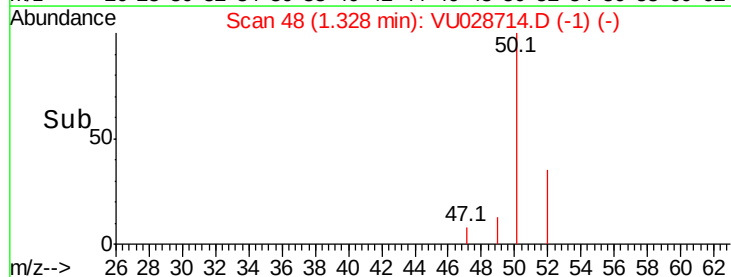
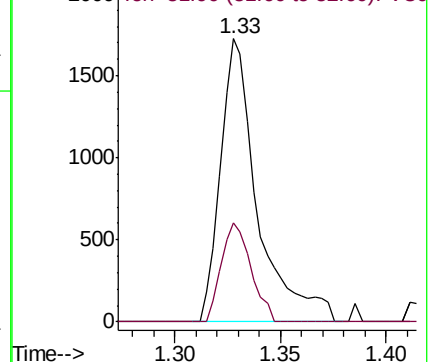
Ion Ratio Lower Upper

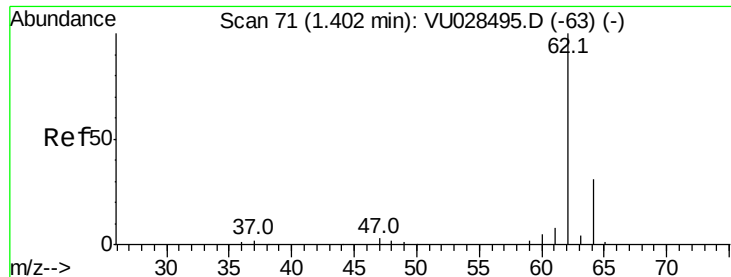
50 100

52 35.0 25.5 38.3



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





#4

Vinyl Chloride

Concen: 1.117 ug/l

RT: 1.28 min Scan# 34

Delta R.T. -0.12 min

Lab File: VU028714.D

Acq: 17 Dec 2018 12:41

Instrument :

MSVOA_U

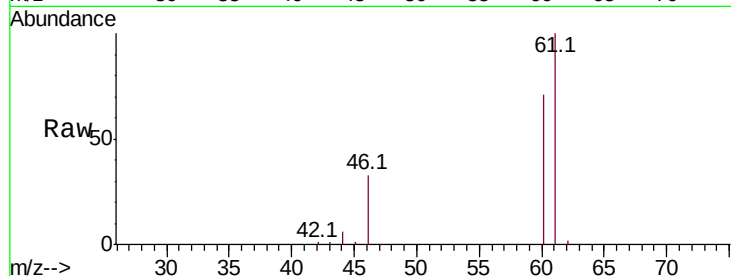
ClientSampleId :

Tot Ion: 62 Resp: 1558

Ion Ratio Lower Upper

62 100

64 0.0 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

2000

1500

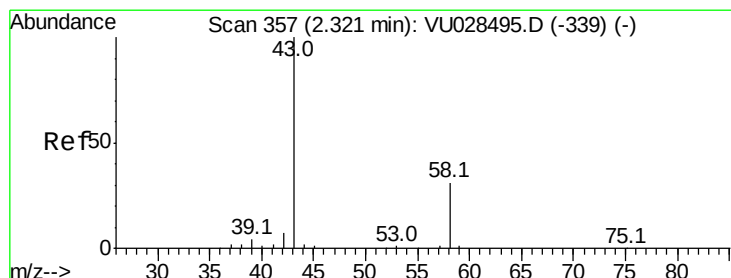
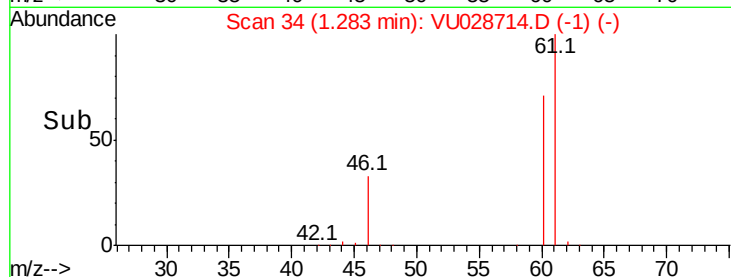
1000

500

0

1.26 1.28 1.30

Time-->



#16

Acetone

Concen: 0.370 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028714.D

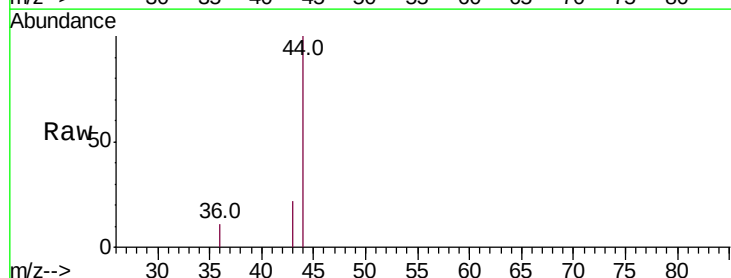
Acq: 17 Dec 2018 12:41

Tgt Ion: 43 Resp: 289

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

300

250

200

150

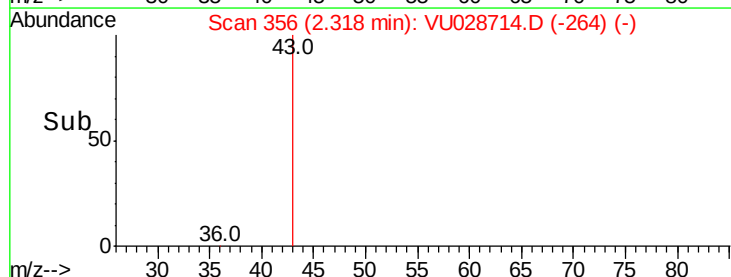
100

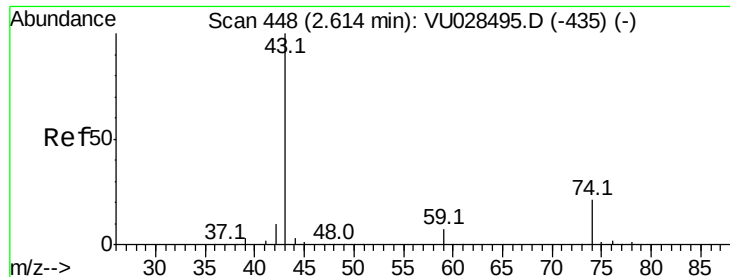
50

0

2.30 2.32

Time-->

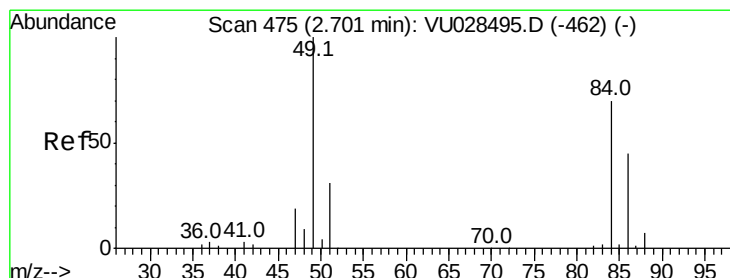
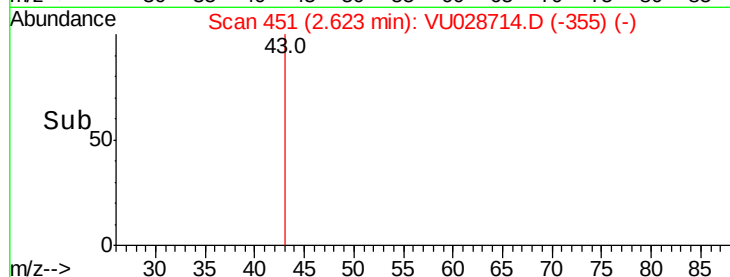
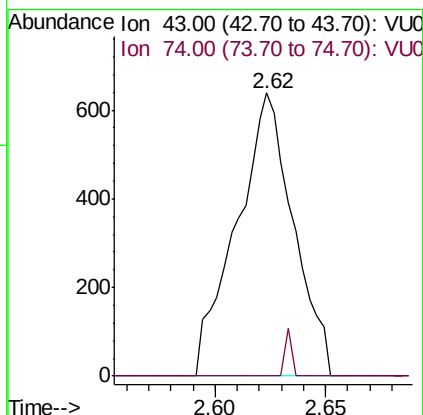
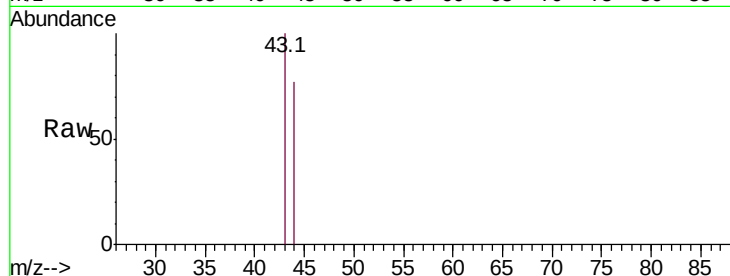




#18
Methvl Acetate
Concen: 0.563 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028714.D
Acq: 17 Dec 2018 12:41

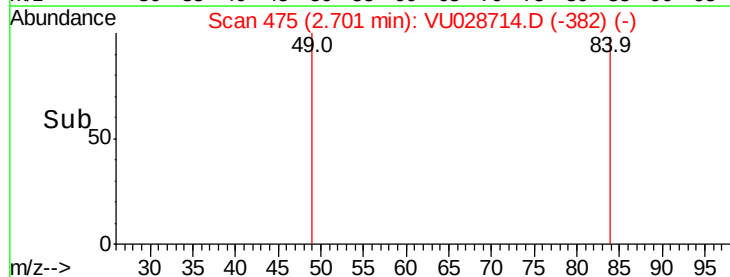
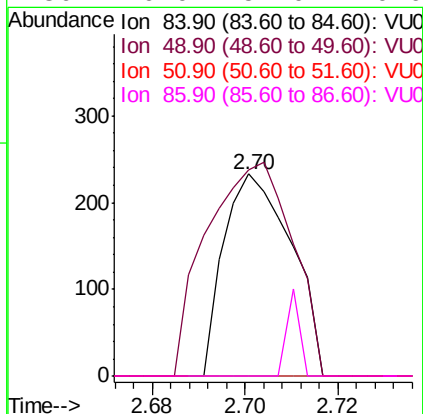
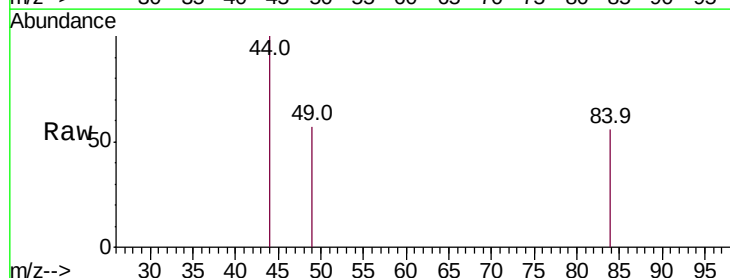
Instrument :
MSVOA_U
ClientSampleId :

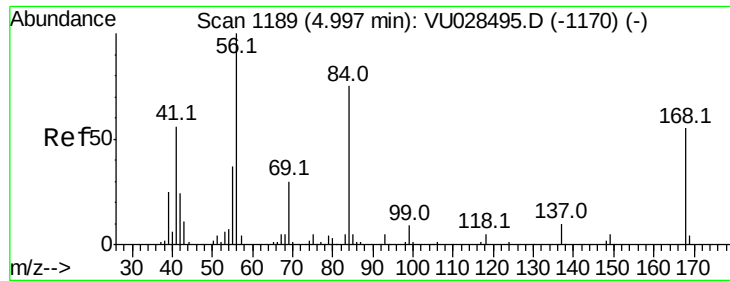
Tot Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
74 1.8 16.4 24.6#



#20
Methylene Chloride
Concen: 0.206 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028714.D
Acq: 17 Dec 2018 12:41

Tgt Ion: 84 Resp: 237
Ion Ratio Lower Upper
84 100
49 102.1 114.0 171.0#
51 0.0 35.1 52.7#
86 0.0 51.0 76.6#

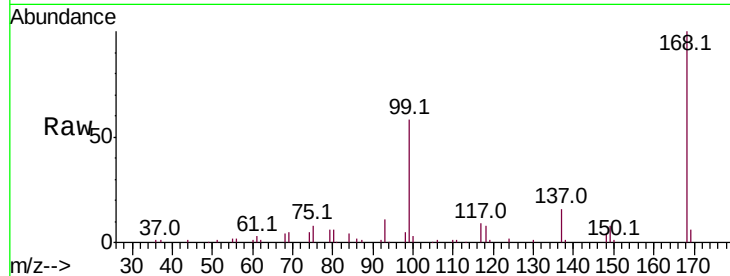




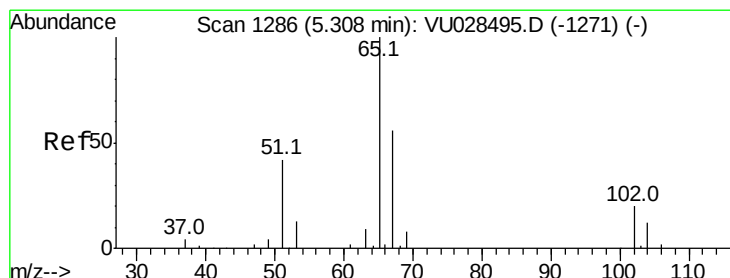
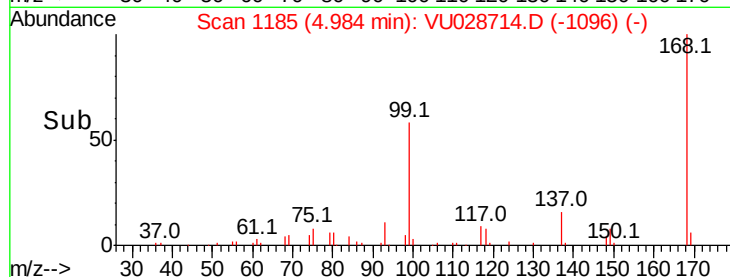
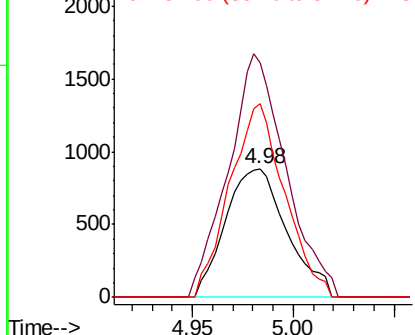
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028714.D
Acq: 17 Dec 2018 12:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 1879
Ion Ratio Lower Upper
56 100
69 182.5 24.0 36.0#
84 150.5 59.7 89.5#

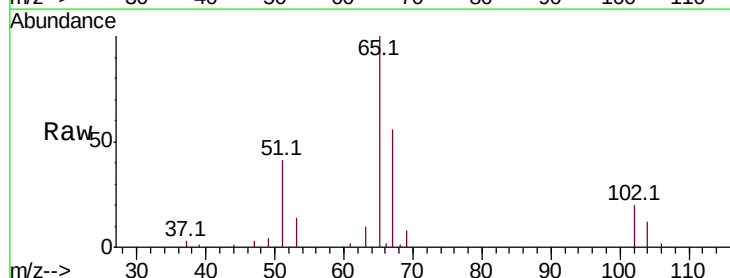


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

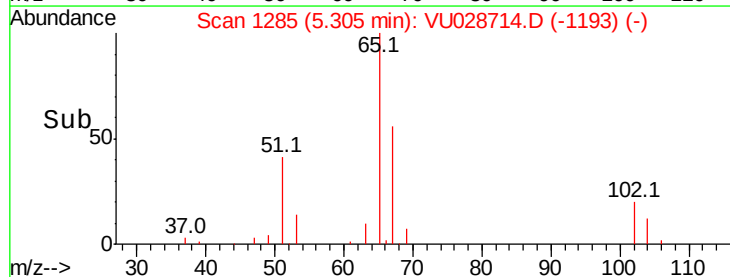
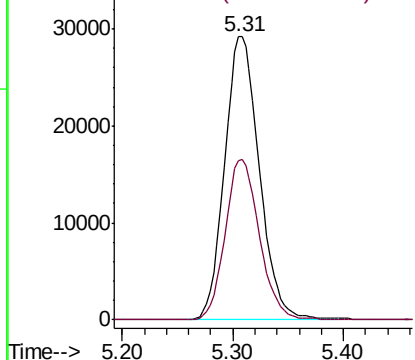


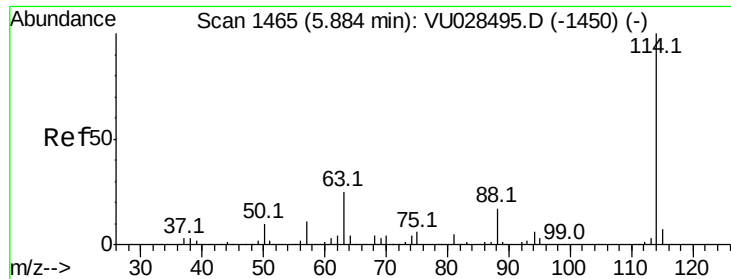
#33
1,2-Dichloroethane-d4
Concen: 53.188 ug/l
RT: 5.31 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VU028714.D
Acq: 17 Dec 2018 12:41

Tgt Ion: 65 Resp: 63686
Ion Ratio Lower Upper
65 100
67 55.6 0.0 110.6



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

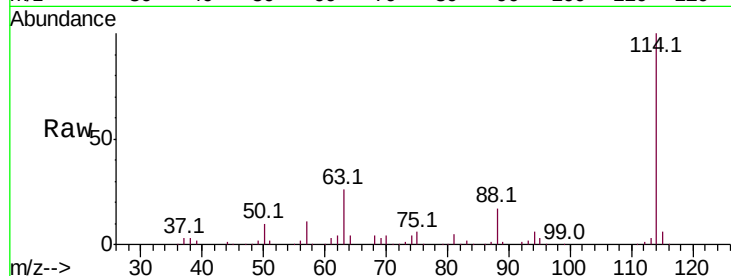




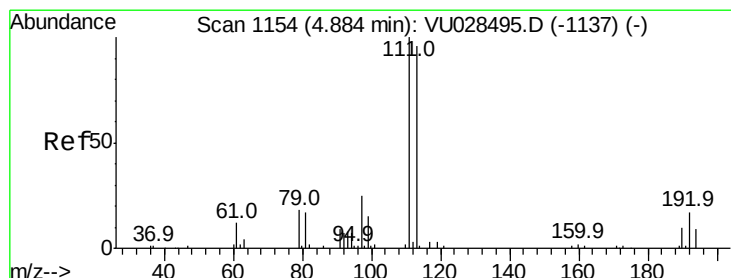
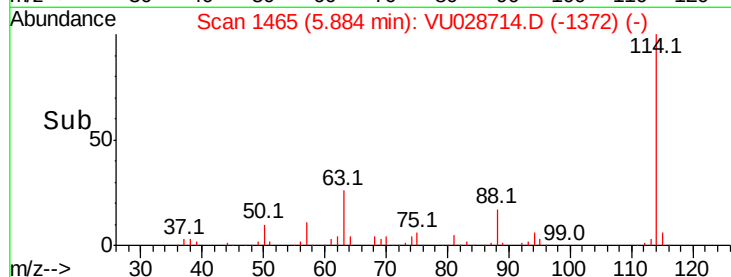
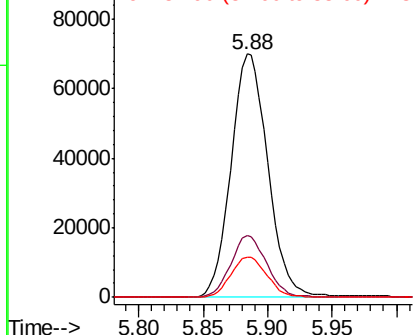
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028714.D
 Acq: 17 Dec 2018 12:41

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.6	0.0	49.2
88	16.6	0.0	33.4

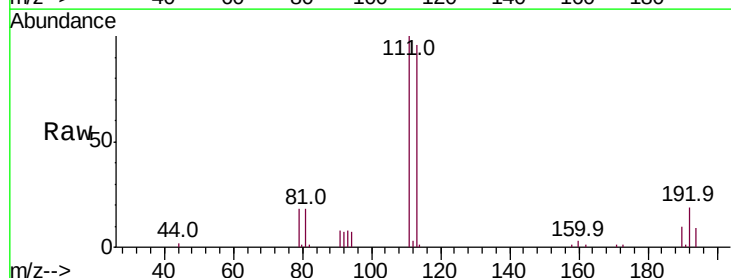


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

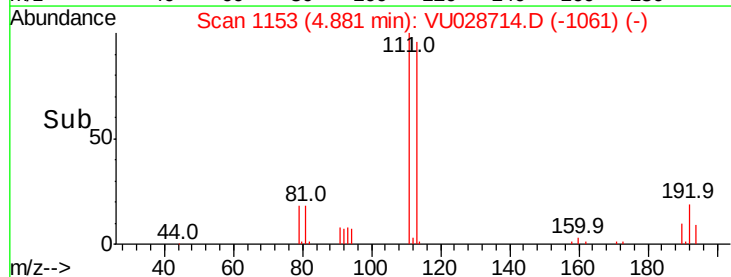
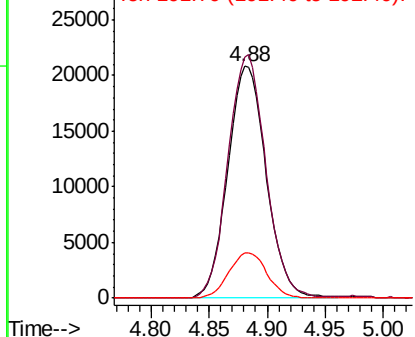


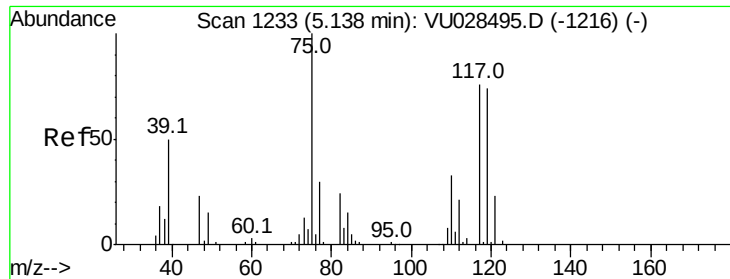
#35
 Dibromofluoromethane
 Concen: 54.821 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028714.D
 Acq: 17 Dec 2018 12:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	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

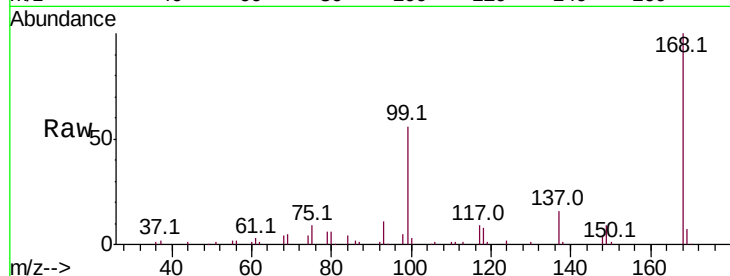




#36
 1,1-Dichloropropene
 Concen: 4.304 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028714.D
 Acq: 17 Dec 2018 12:41

Instrument :
 MSVOA_U
 ClientSampleId :

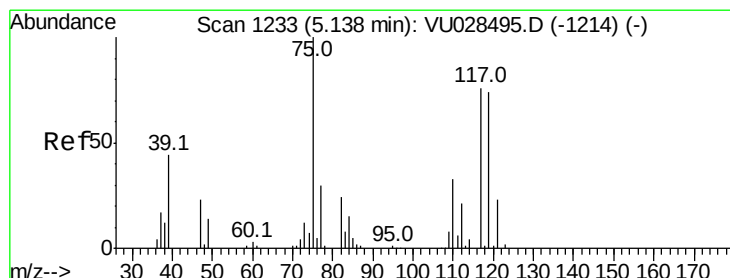
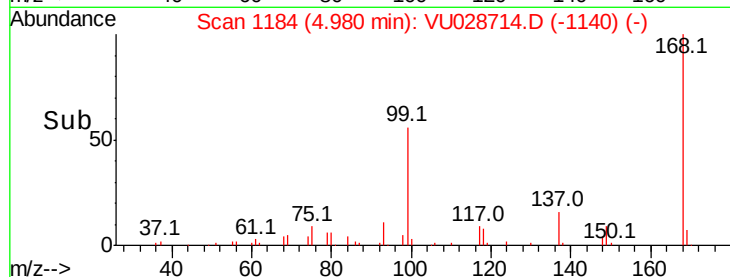
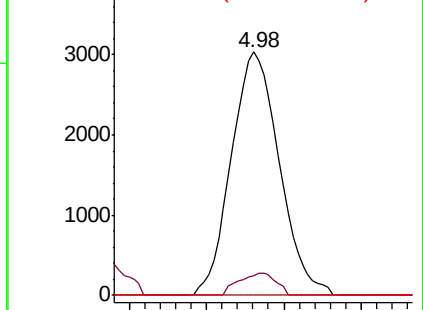
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.0	16.1	48.2#
77	0.0	24.5	36.7#



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

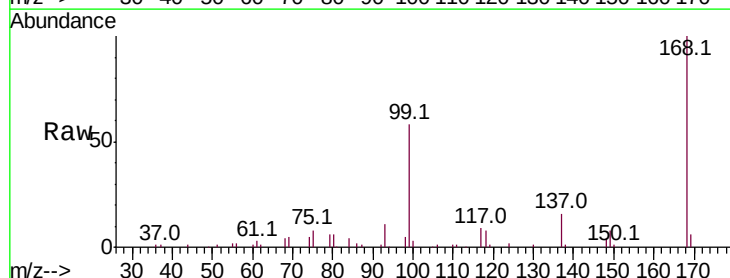
Ion 109.90 (109.60 to 110.60): VU028495.D (-1216) (-)

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



#38
 Carbon Tetrachloride
 Concen: 5.951 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028714.D
 Acq: 17 Dec 2018 12:41

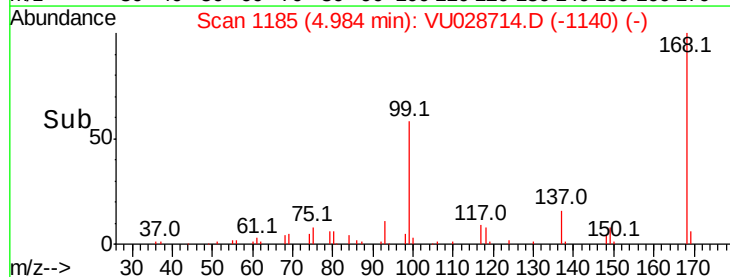
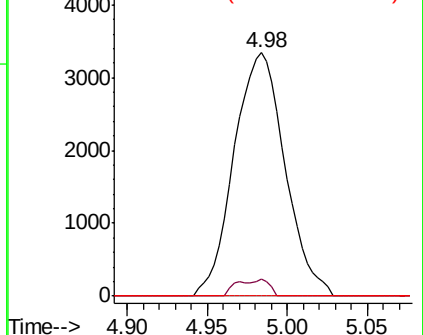
Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	77.6	116.4#
121	0.0	24.6	36.8#

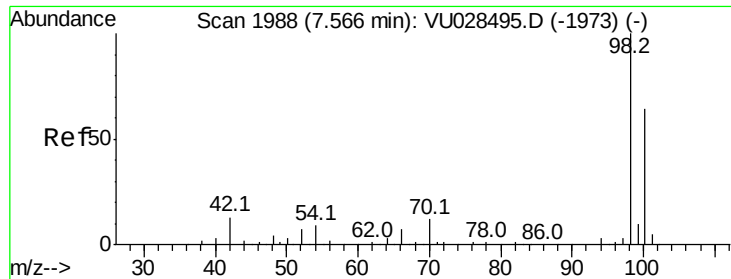


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

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

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





#50

Toluene-d8

Concen: 52.120 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028714.D

Acq: 17 Dec 2018 12:41

Instrument :

MSVOA_U

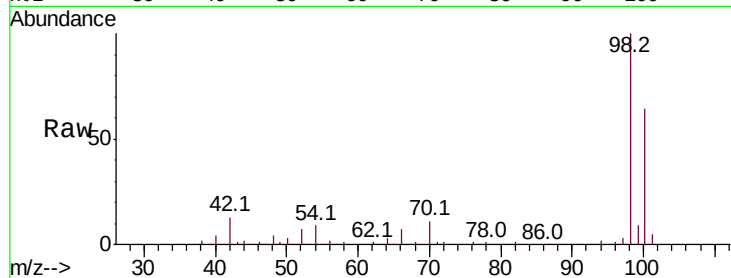
ClientSampleId :

Tot Ion: 98 Resp: 180242

Ion Ratio Lower Upper

98 100

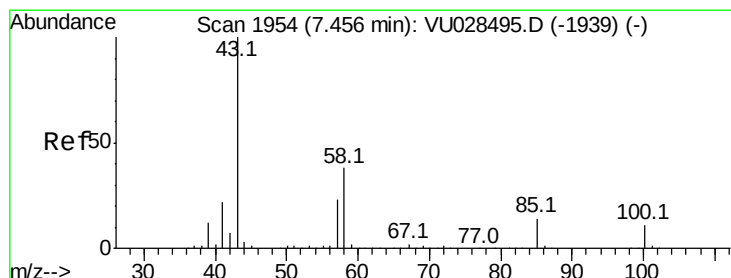
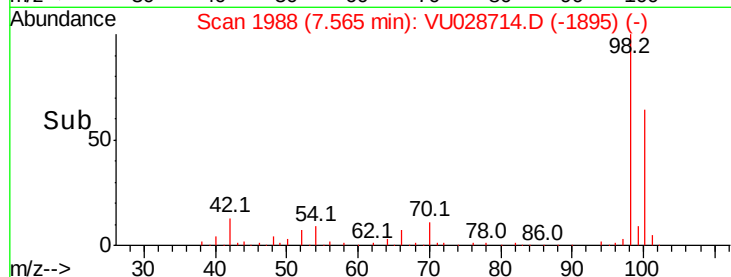
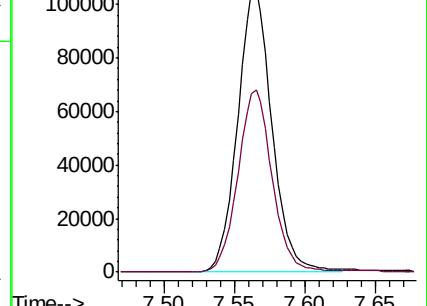
100 64.5 51.0 76.6



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



#51

4-Methyl-2-Pentanone

Concen: 0.519 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028714.D

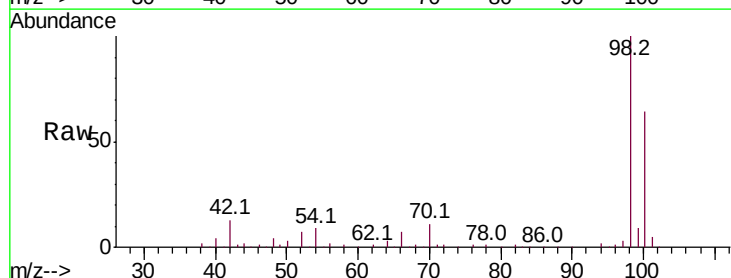
Acq: 17 Dec 2018 12:41

Tgt Ion: 43 Resp: 1018

Ion Ratio Lower Upper

43 100

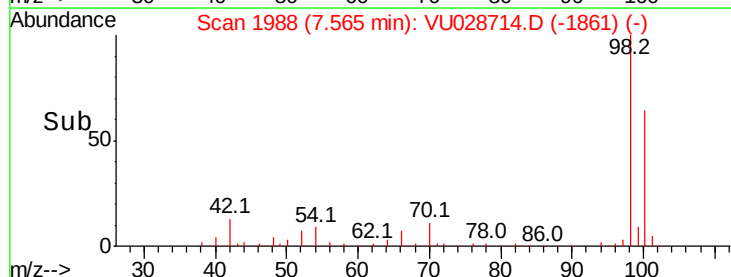
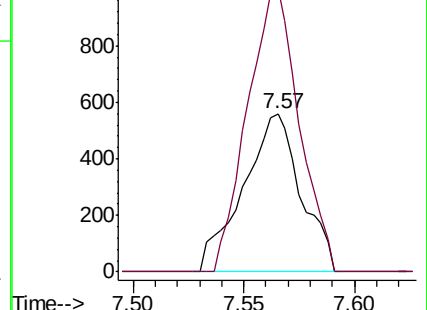
58 160.1 30.2 45.2#

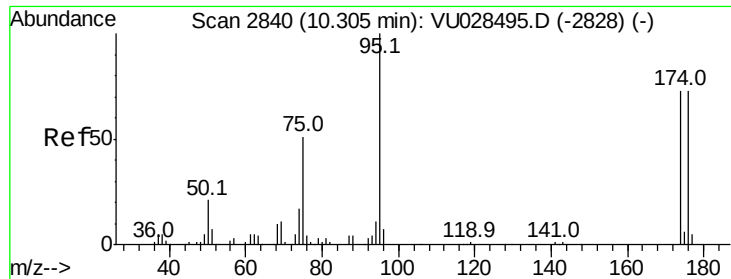


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.57





#62

4-Bromofluorobenzene

Concen: 45.849 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028714.D

Acq: 17 Dec 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

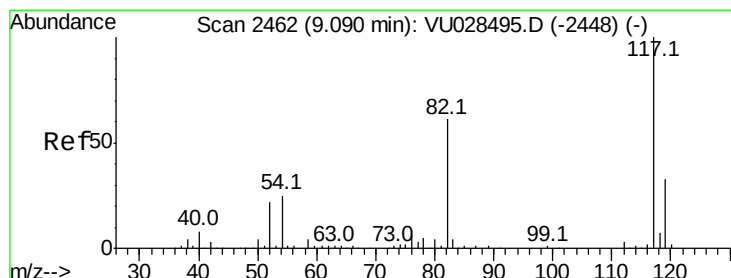
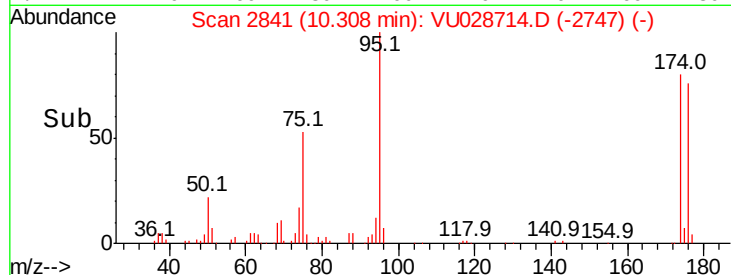
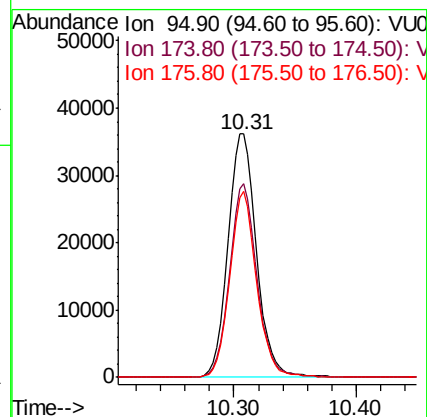
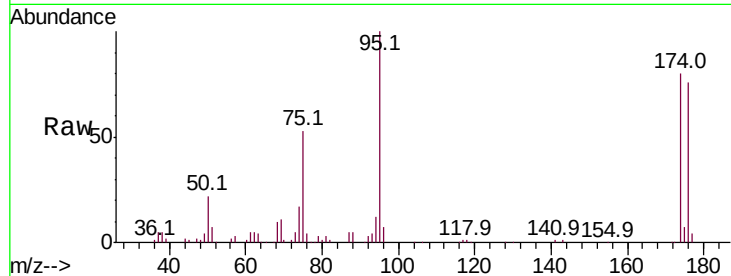
Tot Ion: 95 Resp: 59262

Ion Ratio Lower Upper

95 100

174 76.6 0.0 150.4

176 72.1 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: VU028714.D

Acq: 17 Dec 2018 12:41

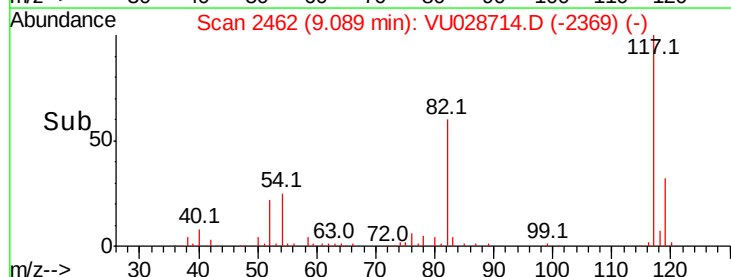
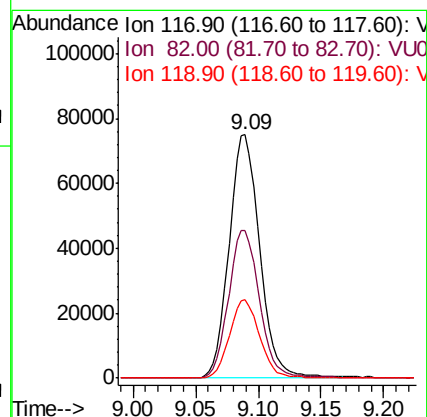
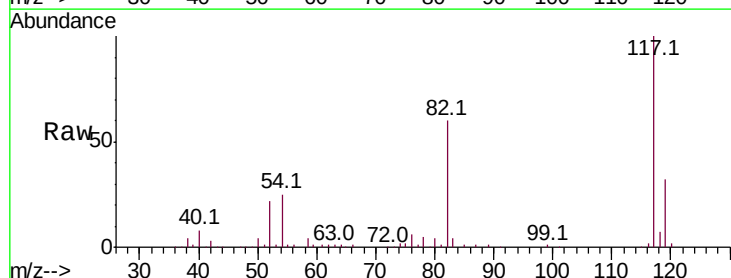
Tgt Ion: 117 Resp: 127038

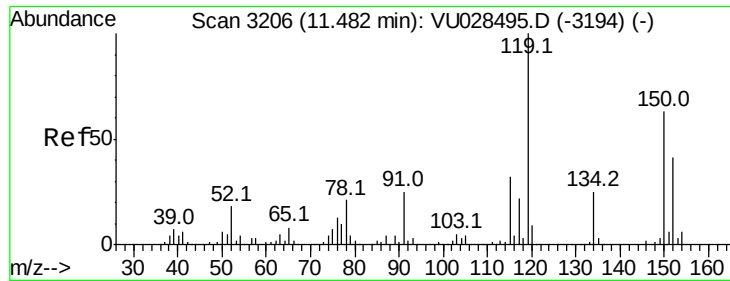
Ion Ratio Lower Upper

117 100

82 60.4 48.9 73.3

119 32.1 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028714.D

Acq: 17 Dec 2018 12:41

Instrument :

MSVOA_U

ClientSampleId :

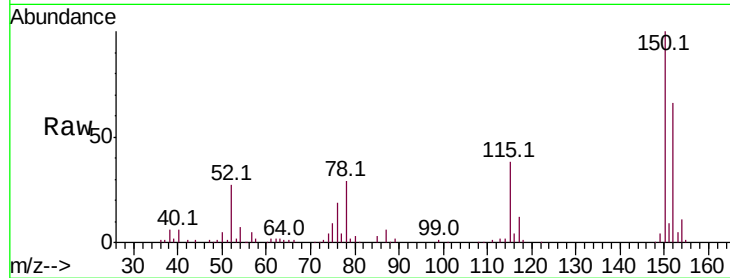
Tot Ion:152 Resp: 50490

Ion Ratio Lower Upper

152 100

115 59.7 42.7 128.1

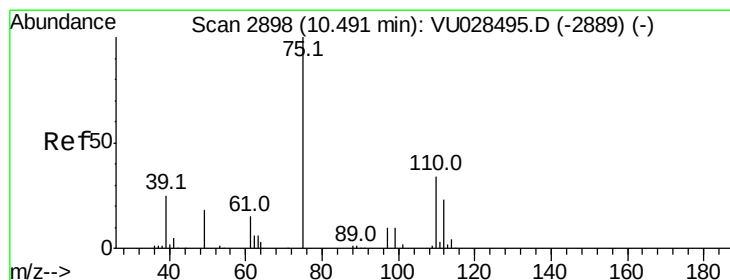
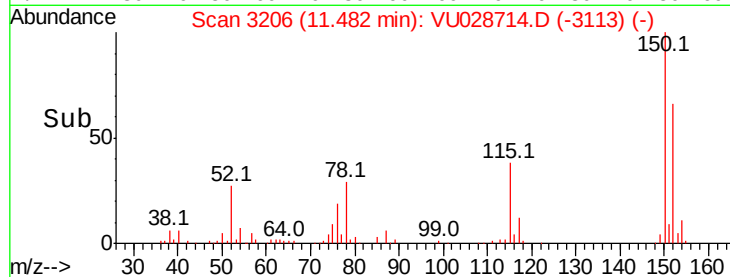
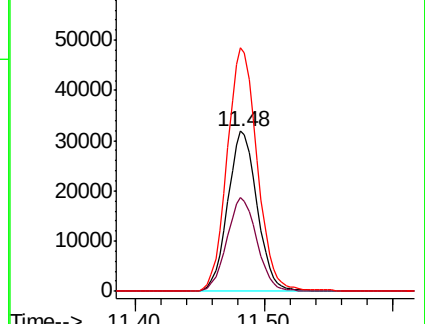
150 154.8 0.0 346.0



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: 23.724 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028714.D

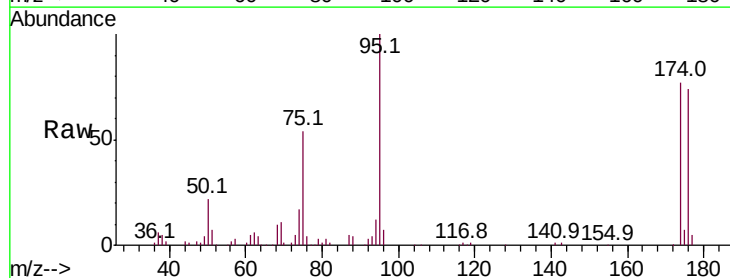
Acq: 17 Dec 2018 12:41

Tgt Ion: 75 Resp: 30587

Ion Ratio Lower Upper

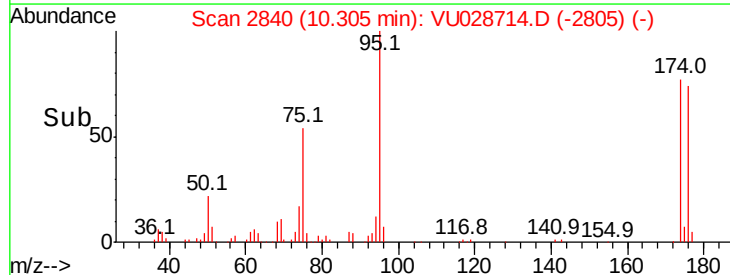
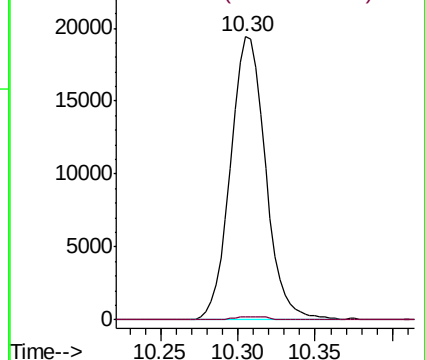
75 100

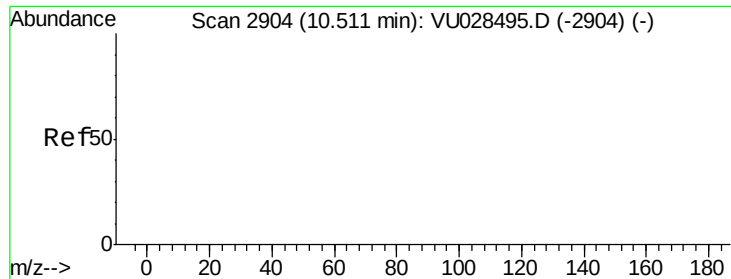
77 0.9 20.8 62.4#



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: 58.243 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.21 min
 Lab File: VU028714.D
 Acq: 17 Dec 2018 12:41

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 30587
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

