

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121518\
 Data File : VU028702.D
 Acq On : 14 Dec 2018 22:53
 Operator : MD/SY
 Sample : J6395-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

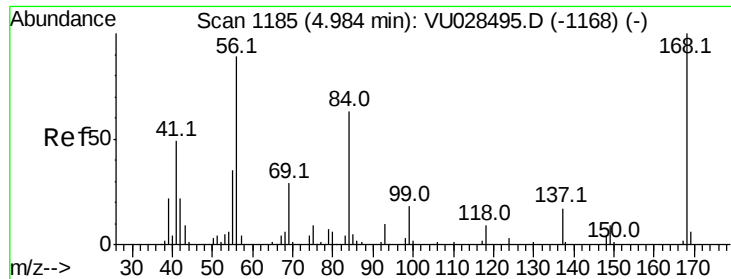
Quant Time: Dec 15 00:24:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	74050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	135904	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	119591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	46853	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	63812	56.47	ug/l	0.00
Spiked Amount			Recovery	=	112.94%	
35) Dibromofluoromethane	4.88	113	46857	54.79	ug/l	0.00
Spiked Amount			Recovery	=	109.58%	
50) Toluene-d8	7.57	98	177108	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
62) 4-Bromofluorobenzene	10.31	95	56521	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	688	0.377	ug/l #	88
4) Vinyl Chloride	1.40	62	570	0.433	ug/l	95
16) Acetone	2.32	43	642	0.871	ug/l	96
18) Methyl Acetate	2.62	43	1240	0.649	ug/l #	77
21) trans-1,2-Dichloroethene	2.99	96	308	0.332	ug/l	91
31) Cyclohexane	4.98	56	1861	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	6715	4.515	ug/l #	49
38) Carbon Tetrachloride	4.99	117	7618	6.355	ug/l #	15
51) 4-Methyl-2-Pentanone	7.56	43	1120	0.584	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	29741	24.859	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	29741	61.003	ug/l #	100
83) tert-Butylbenzene	11.10	119	860	0.300	ug/l #	74
86) p-Isopropyltoluene	11.69	119	859	0.274	ug/l	94
90) Hexachloroethane	12.28	117	156	0.330	ug/l #	11

(#) = 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: VU028702.D

Acq: 14 Dec 2018 22:53

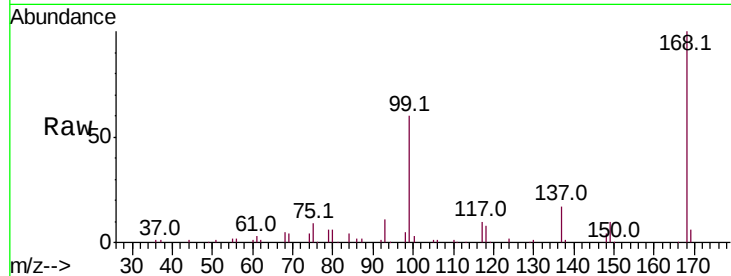
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 74050

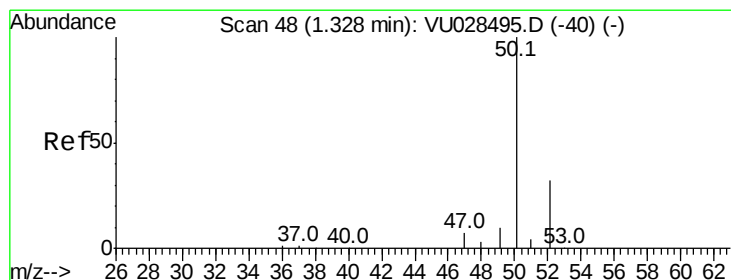
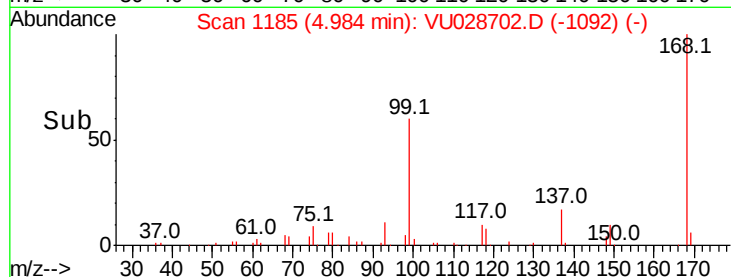
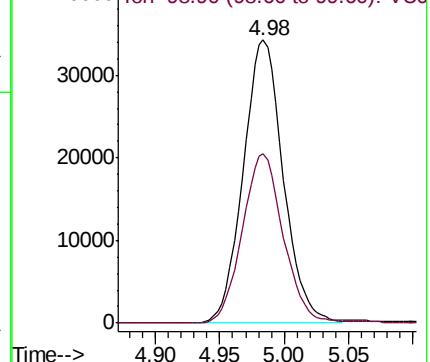
Ion Ratio Lower Upper

168 100

99 59.9 46.6 69.8



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



#3

Chloromethane

Concen: 0.377 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028702.D

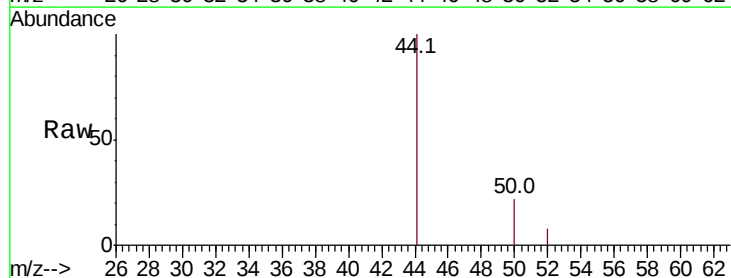
Acq: 14 Dec 2018 22:53

Tgt Ion: 50 Resp: 688

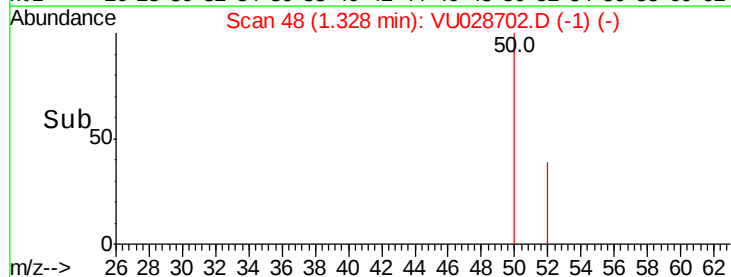
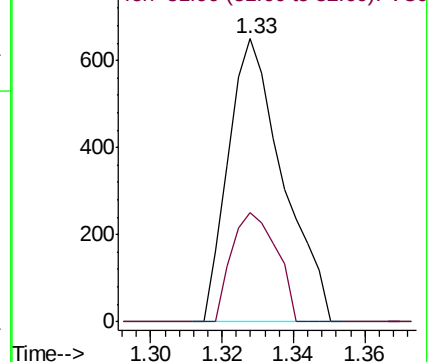
Ion Ratio Lower Upper

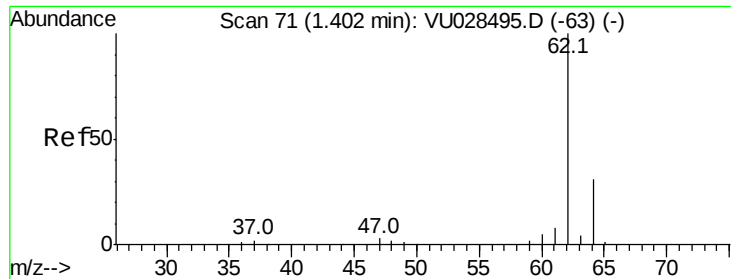
50 100

52 38.6 25.5 38.3#



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





#4

Vinyl Chloride

Concen: 0.433 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028702.D

Acq: 14 Dec 2018 22:53

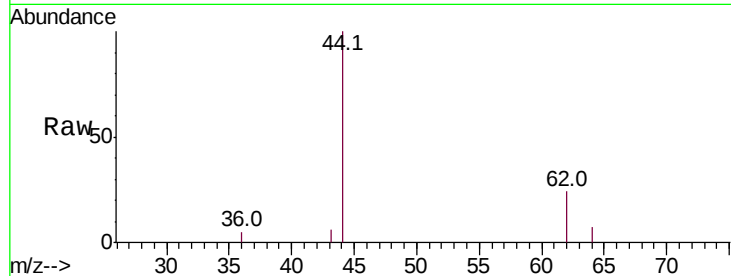
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 570

Ion Ratio Lower Upper

62 100

64 28.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

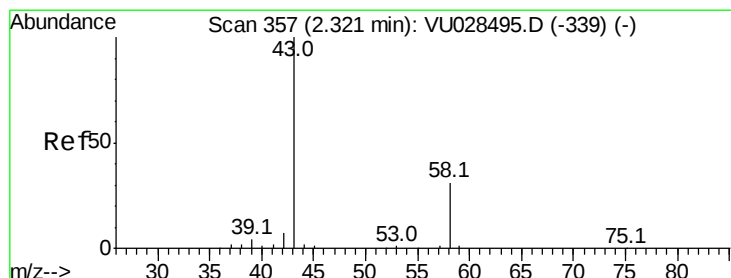
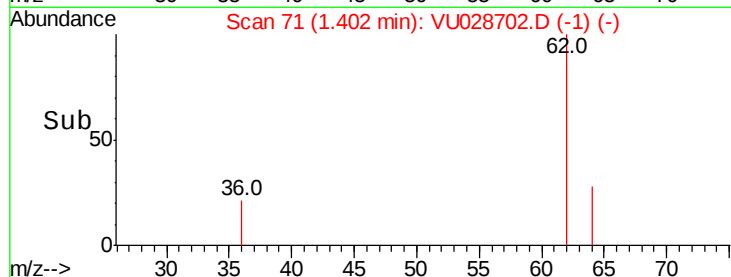
600

400

200

0

Time-->



#16

Acetone

Concen: 0.871 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028702.D

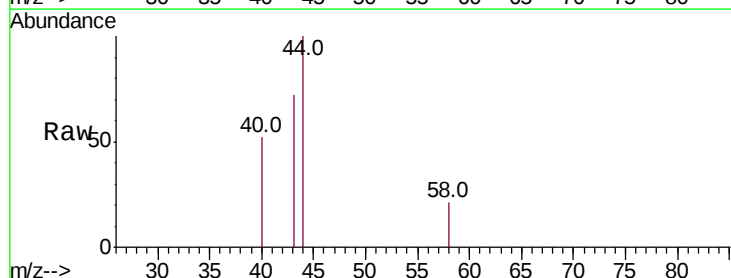
Acq: 14 Dec 2018 22:53

Tgt Ion: 43 Resp: 642

Ion Ratio Lower Upper

43 100

58 28.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

400

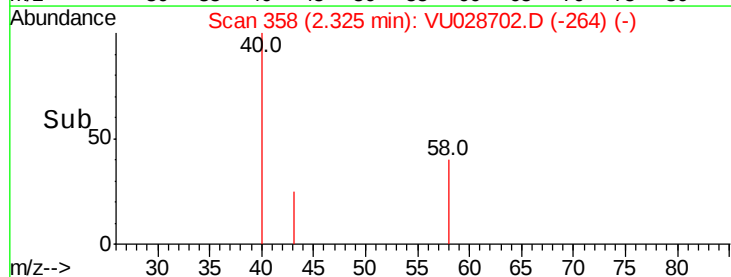
300

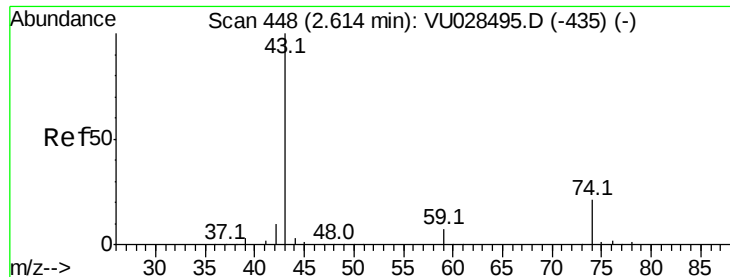
200

100

0

Time-->

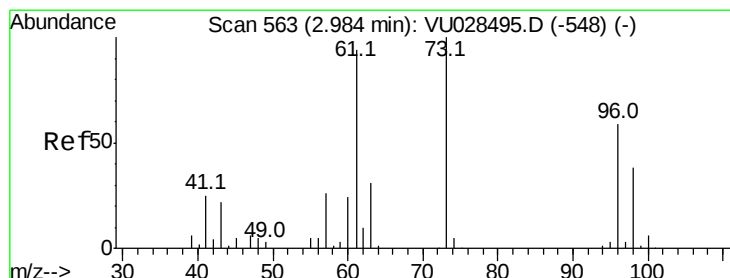
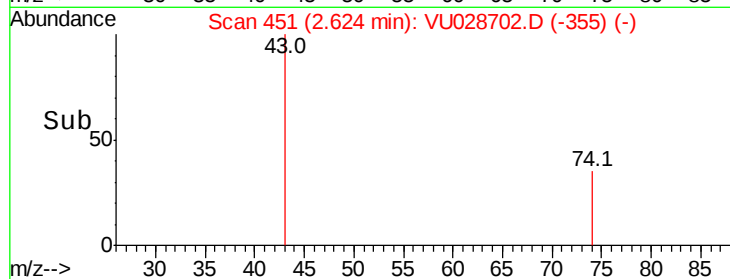
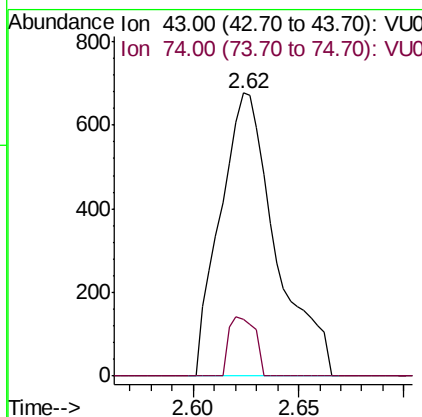
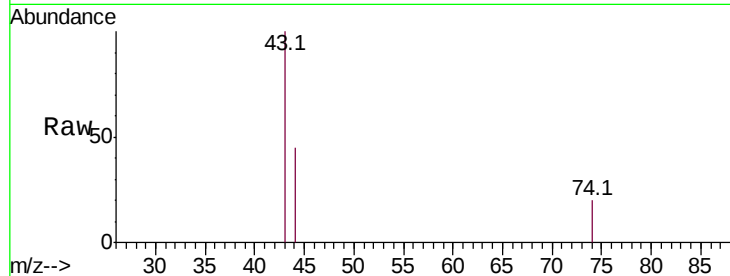




#18
Methvl Acetate
Concen: 0.649 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028702.D
Acq: 14 Dec 2018 22:53

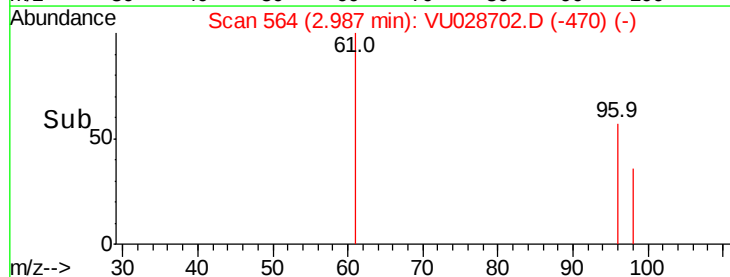
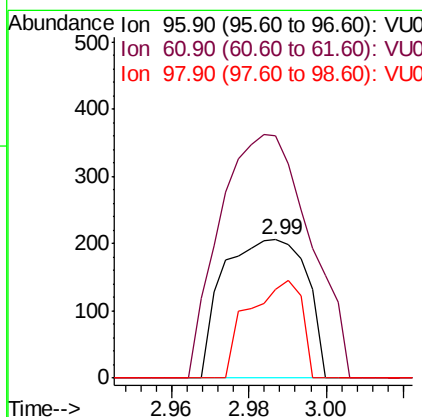
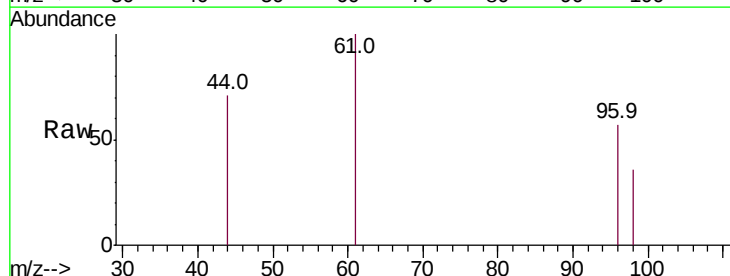
Instrument :
MSVOA_U
ClientSampleId :

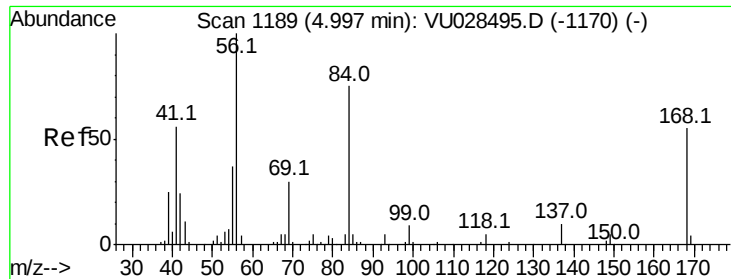
Tot Ion: 43 Resp: 1240
Ion Ratio Lower Upper
43 100
74 9.8 16.4 24.6#



#21
trans-1,2-Dichloroethene
Concen: 0.332 ug/l
RT: 2.99 min Scan# 564
Delta R.T. 0.00 min
Lab File: VU028702.D
Acq: 14 Dec 2018 22:53

Tgt Ion: 96 Resp: 308
Ion Ratio Lower Upper
96 100
61 175.2 127.0 190.4
98 63.6 51.9 77.9

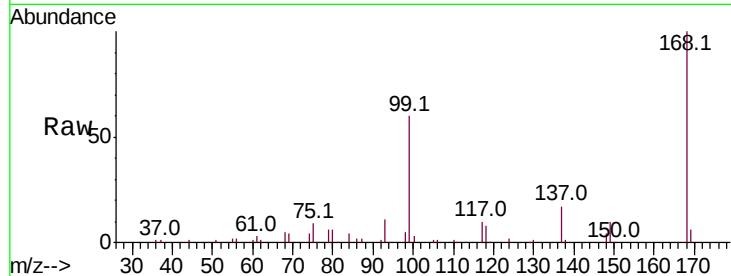




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028702.D
Acq: 14 Dec 2018 22:53

Instrument :
MSVOA_U
ClientSampleId :

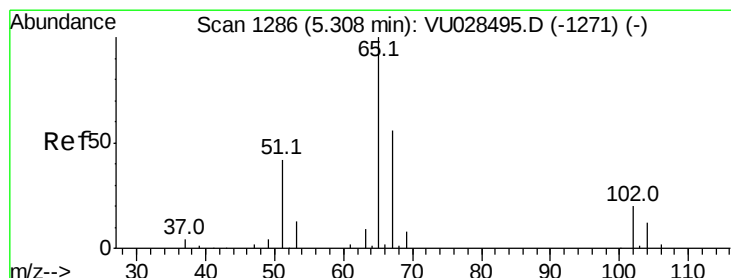
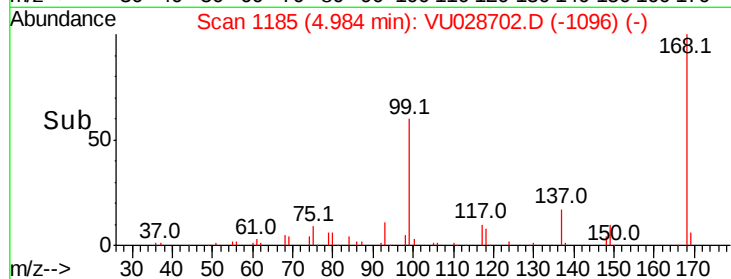
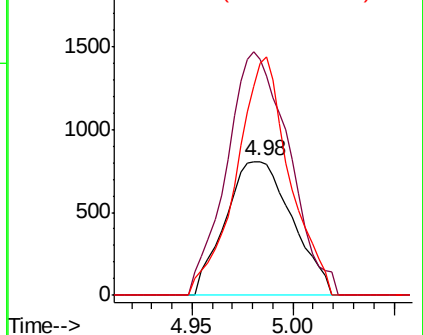
Tot Ion	Ratio	Lower	Upper
56	100		
69	176.1	24.0	36.0#
84	173.0	59.7	89.5#



Abundance Ion 56.00 (55.70 to 56.70): VU028495.D (-1170) (-)

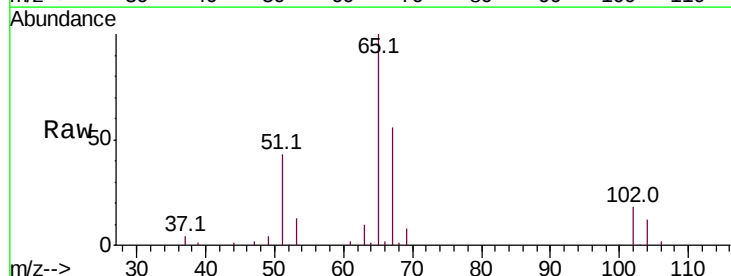
Ion 69.00 (68.70 to 69.70): VU028495.D (-1170) (-)

Ion 84.00 (83.70 to 84.70): VU028495.D (-1170) (-)



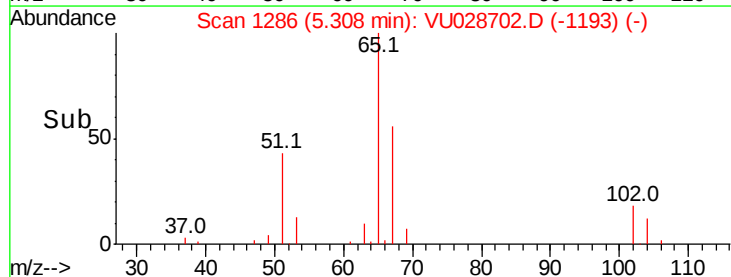
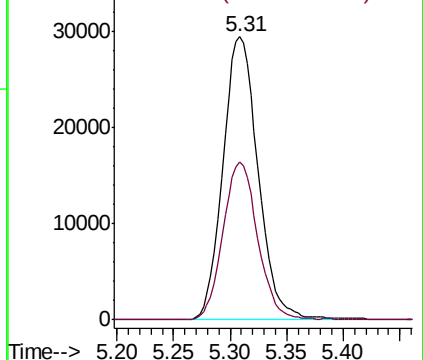
#33
1,2-Dichloroethane-d4
Concen: 56.468 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028702.D
Acq: 14 Dec 2018 22:53

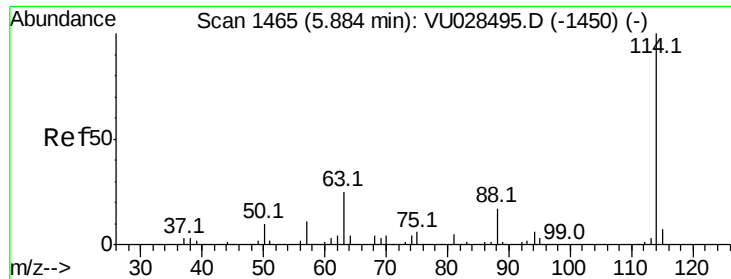
Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	110.6



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

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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028702.D

Acq: 14 Dec 2018 22:53

Instrument :

MSVOA_U

ClientSampleId :

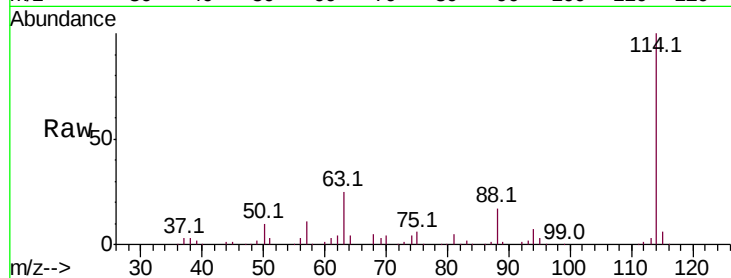
Tot Ion:114 Resp: 135904

Ion Ratio Lower Upper

114 100

63 25.4 0.0 49.2

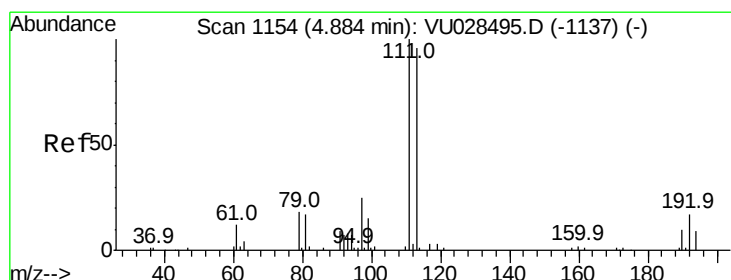
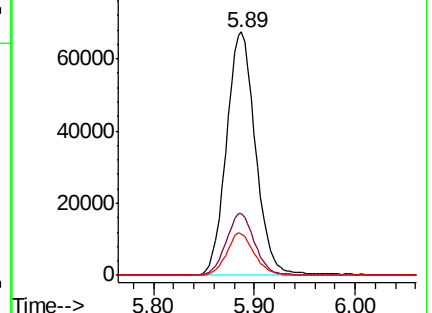
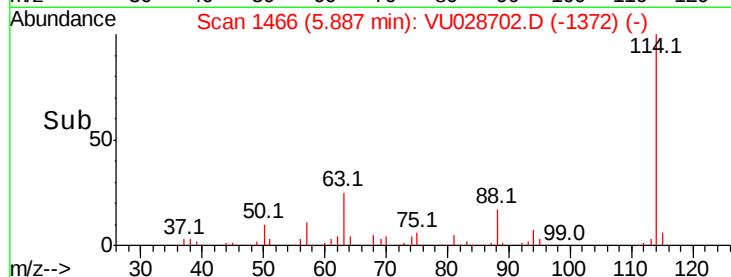
88 17.0 0.0 33.4



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: 54.787 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028702.D

Acq: 14 Dec 2018 22:53

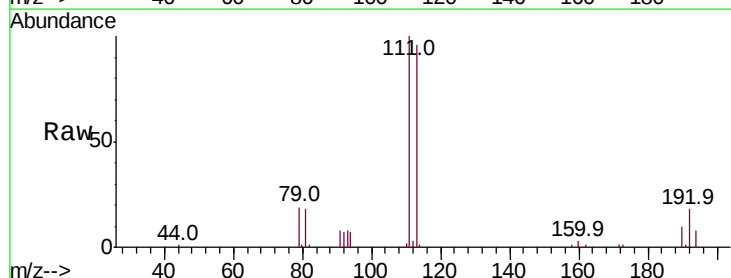
Tgt Ion:113 Resp: 46857

Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.0

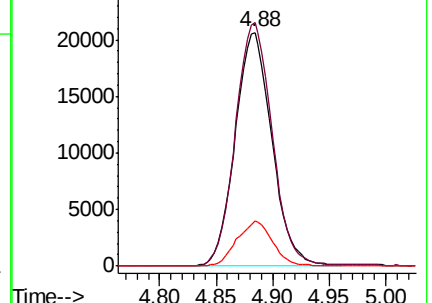
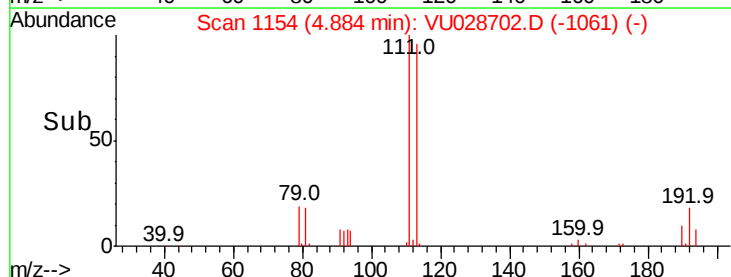
192 18.6 14.8 22.2

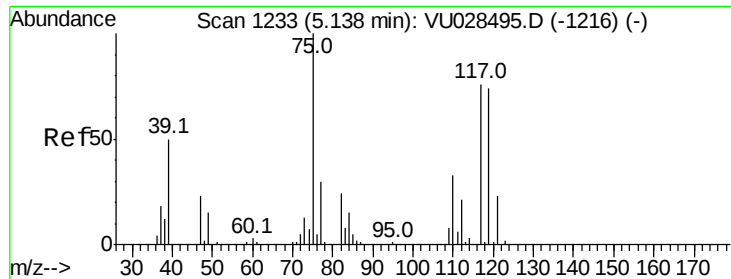


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

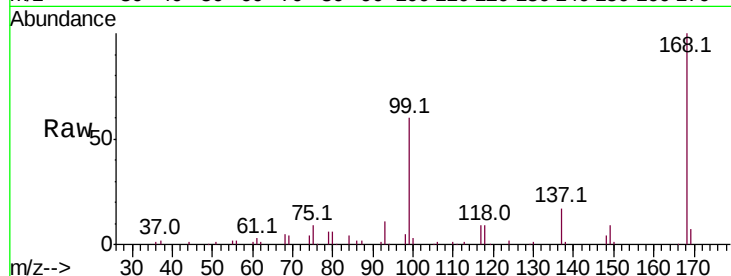




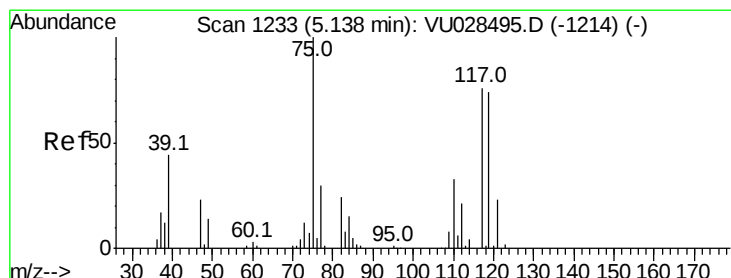
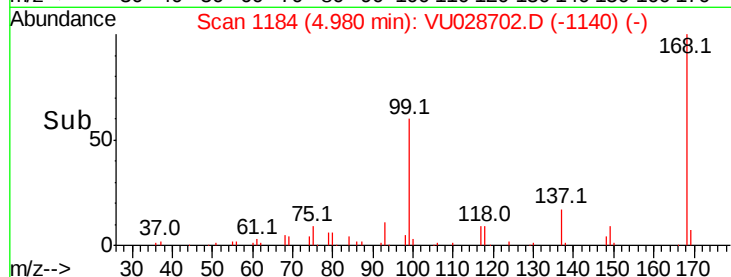
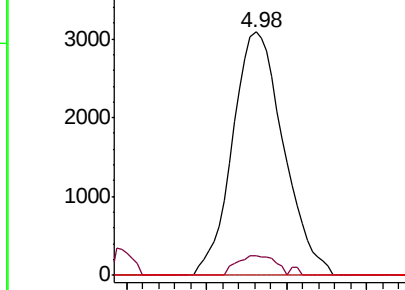
#36
 1,1-Dichloropropene
 Concen: 4.515 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028702.D
 Acq: 14 Dec 2018 22:53

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.0	16.1	48.2#
77	0.0	24.5	36.7#

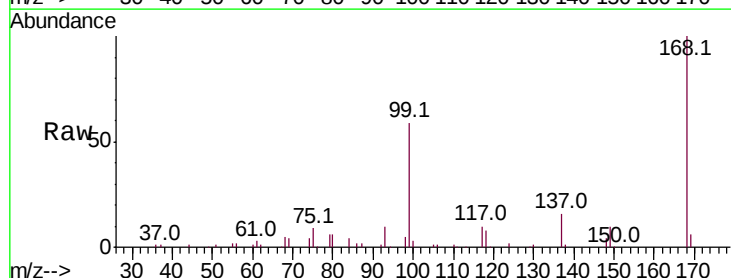


Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-1216) (-)
 Ion 109.90 (109.60 to 110.60): VU028495.D (-1216) (-)
 Ion 76.90 (76.60 to 77.60): VU028495.D (-1216) (-)

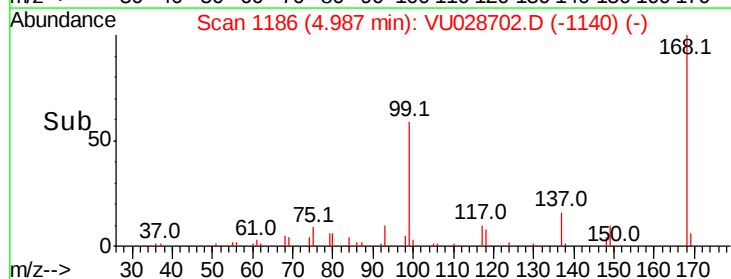
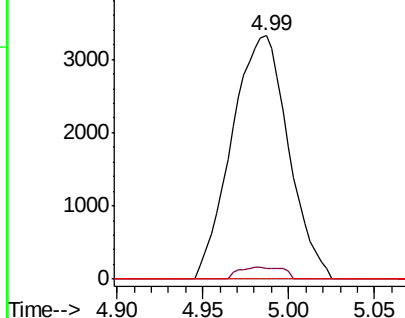


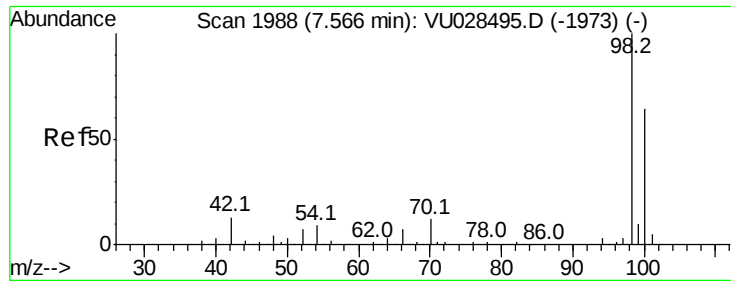
#38
 Carbon Tetrachloride
 Concen: 6.355 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU028702.D
 Acq: 14 Dec 2018 22:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	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: 52.349 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028702.D

Acq: 14 Dec 2018 22:53

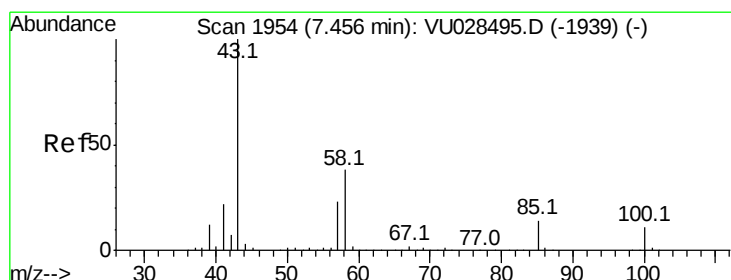
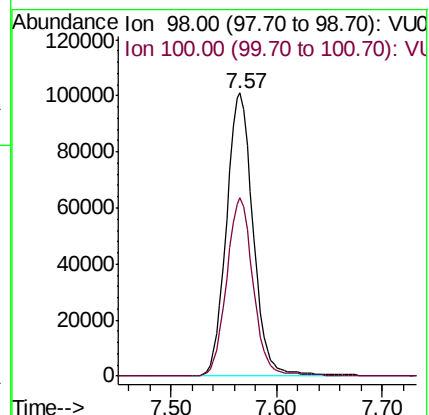
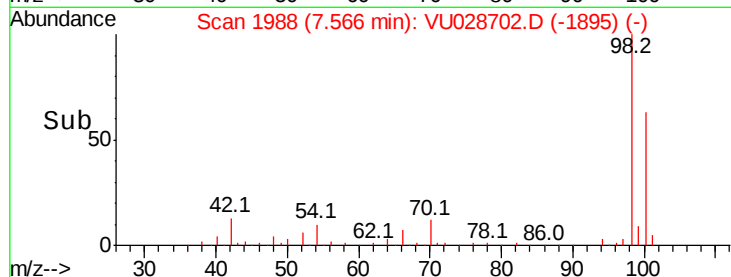
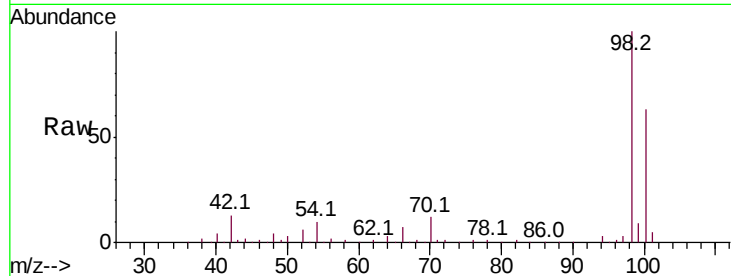
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 98 Resp: 177108

Ion Ratio Lower Upper

98 100

100 62.6 51.0 76.6



#51

4-Methyl-2-Pentanone

Concen: 0.584 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028702.D

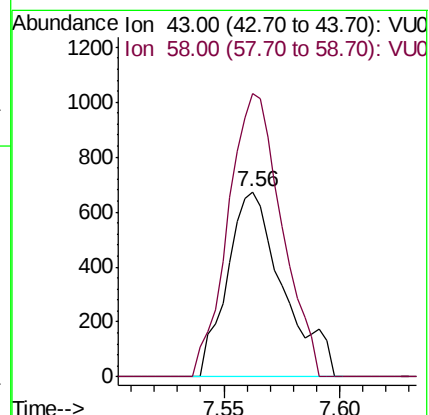
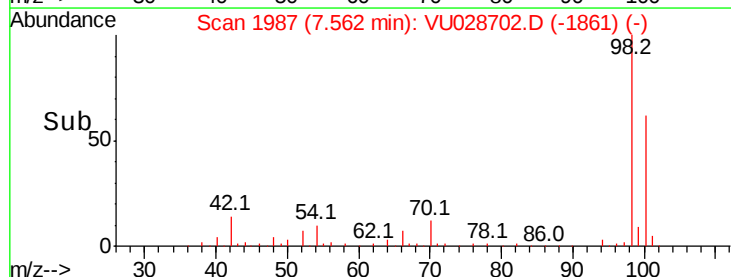
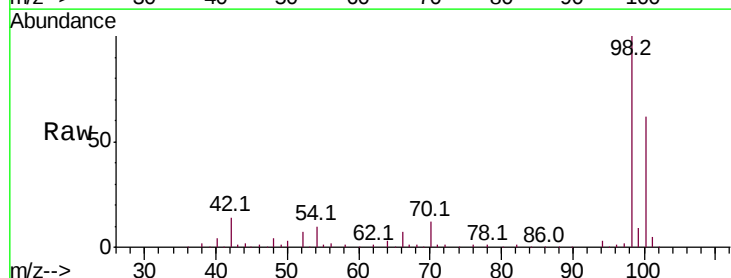
Acq: 14 Dec 2018 22:53

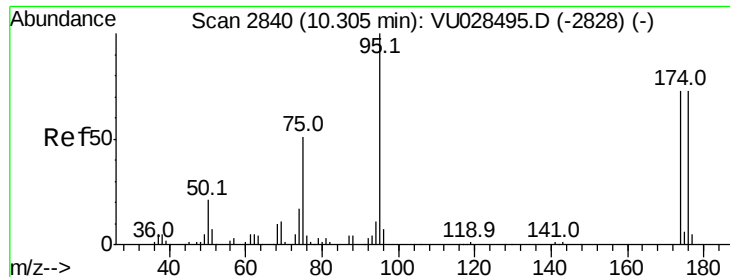
Tgt Ion: 43 Resp: 1120

Ion Ratio Lower Upper

43 100

58 147.7 30.2 45.2#





#62

4-Bromofluorobenzene

Concen: 44.697 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028702.D

Acq: 14 Dec 2018 22:53

Instrument :

MSVOA_U

ClientSampled :

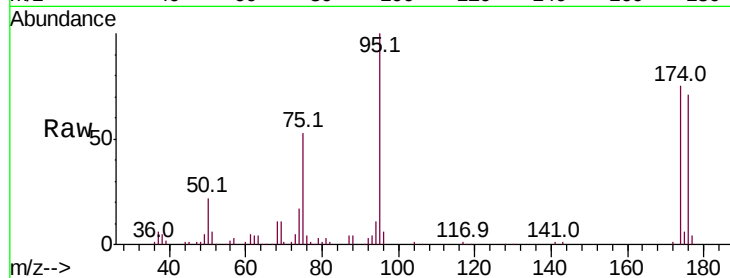
Tot Ion: 95 Resp: 56521

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.4

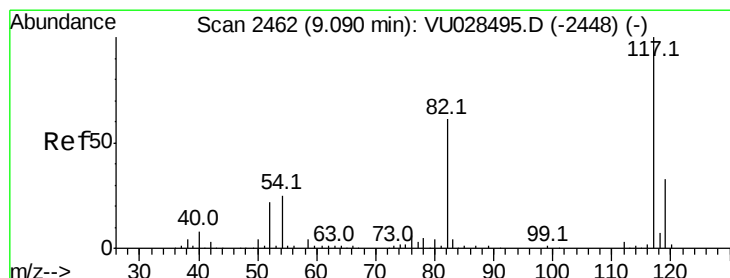
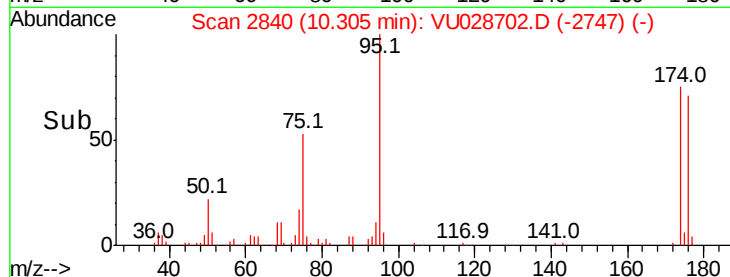
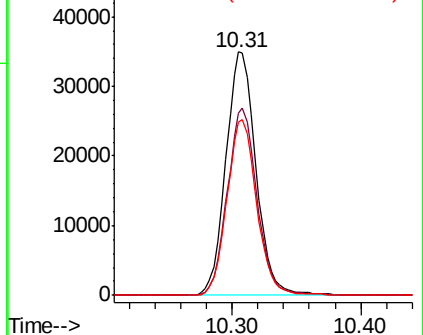
176 71.4 0.0 145.2



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: VU028702.D

Acq: 14 Dec 2018 22:53

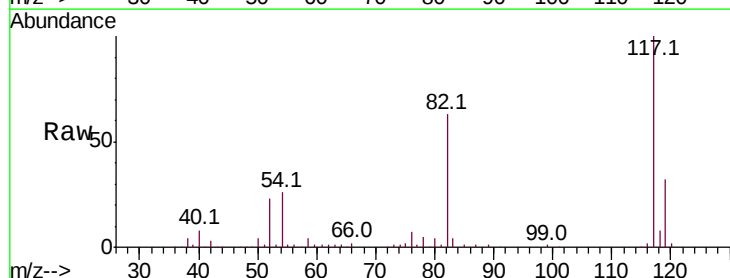
Tgt Ion: 117 Resp: 119591

Ion Ratio Lower Upper

117 100

82 63.3 48.9 73.3

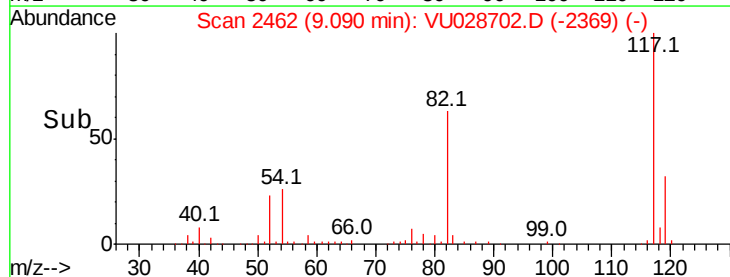
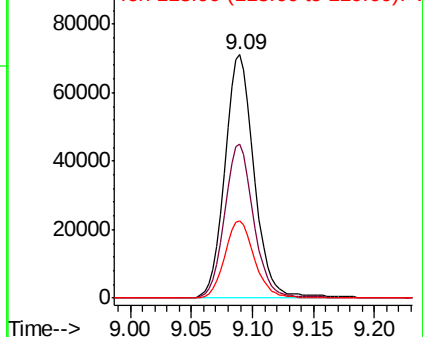
119 31.9 26.2 39.4

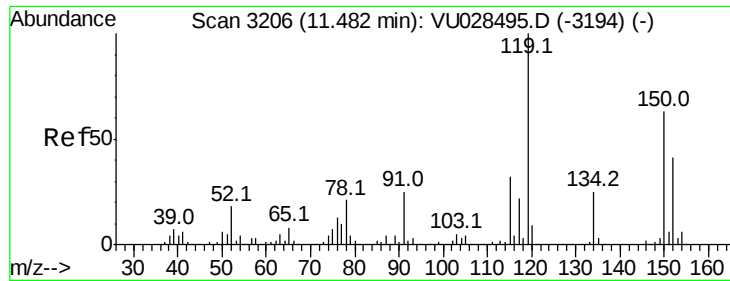


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



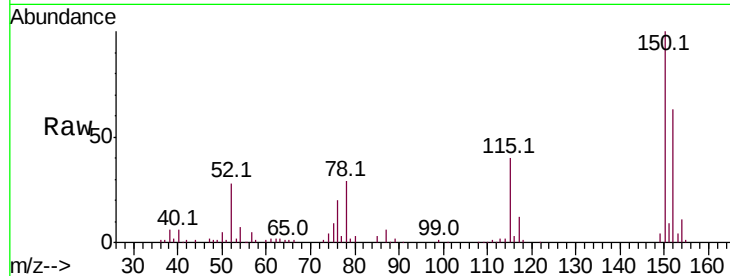


#72

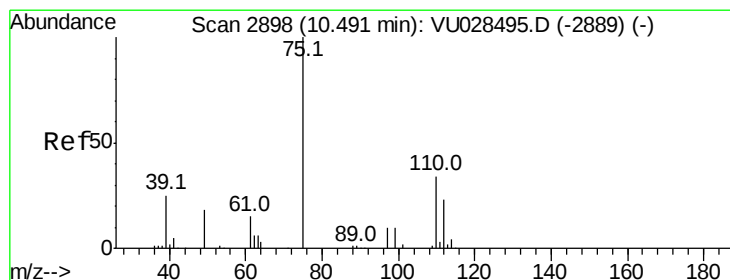
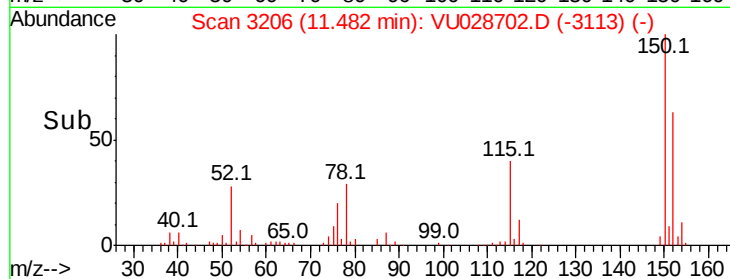
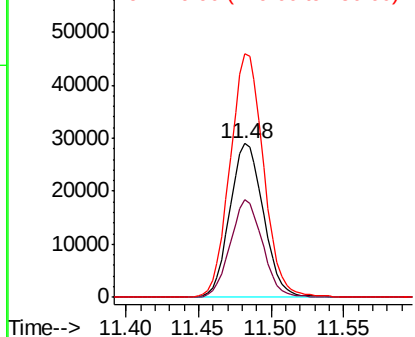
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028702.D
Acq: 14 Dec 2018 22:53

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:152 Resp: 46853
Ion Ratio Lower Upper
152 100
115 60.9 42.7 128.1
150 157.1 0.0 346.0



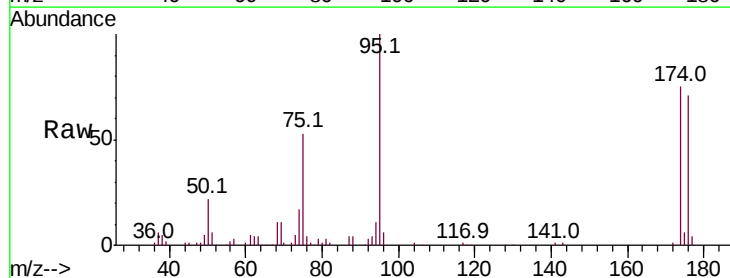
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



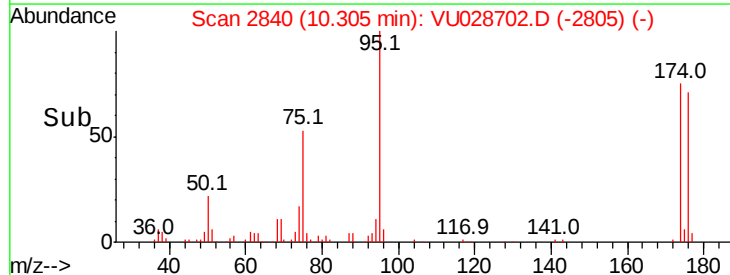
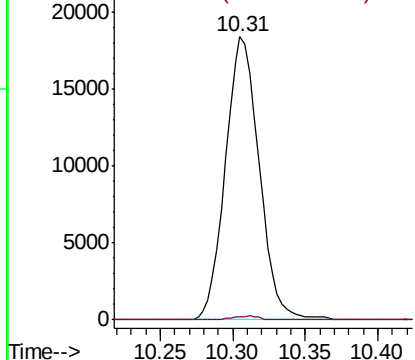
#76

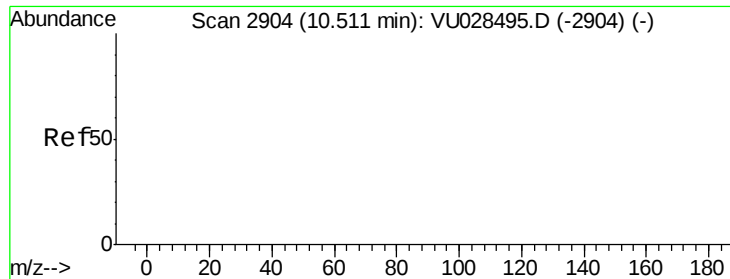
1,2,3-Trichloropropane
Concen: 24.859 ug/l
RT: 10.31 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028702.D
Acq: 14 Dec 2018 22:53

Tgt Ion: 75 Resp: 29741
Ion Ratio Lower Upper
75 100
77 1.0 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0

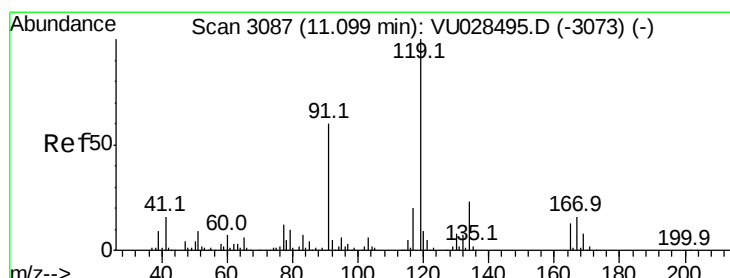
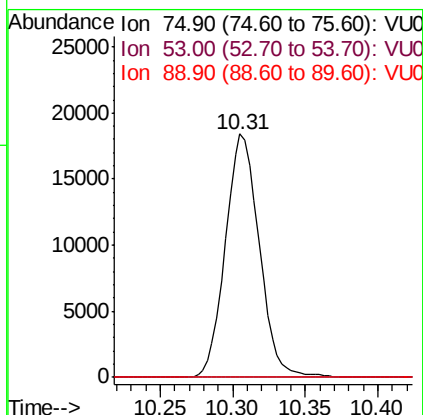
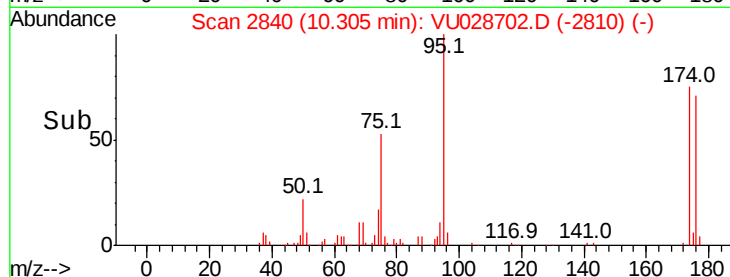
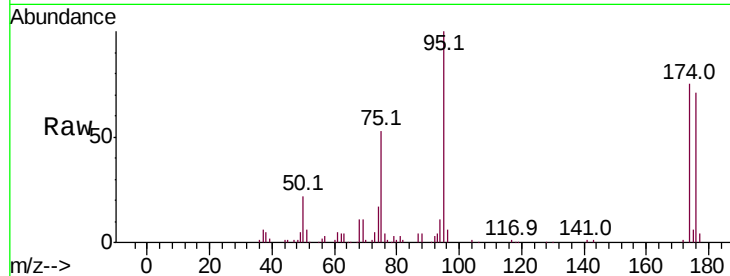




#81
trans-1,4-Dichloro-2-butene
Concen: 61.003 ug/l
RT: 10.31 min Scan# 2840
Delta R.T. -0.21 min
Lab File: VU028702.D
Acq: 14 Dec 2018 22:53

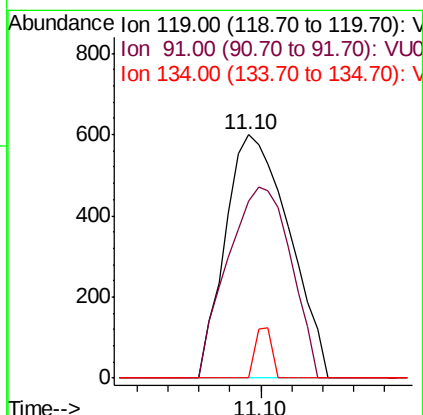
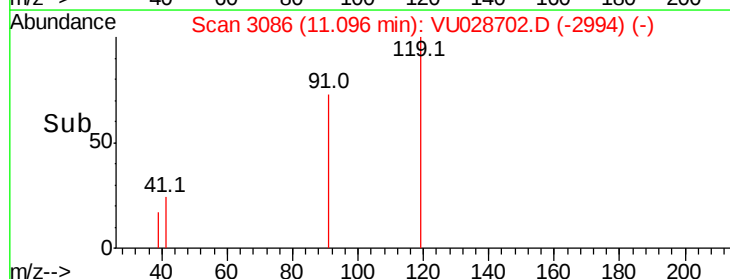
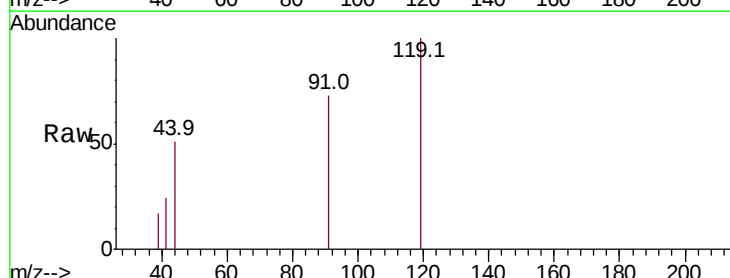
Instrument :
MSVOA_U
ClientSampled :

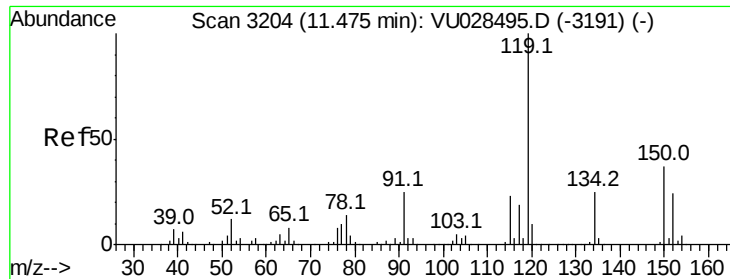
Tot Ion: 75 Resp: 29741
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#83
tert-Butylbenzene
Concen: 0.300 ug/l
RT: 11.10 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU028702.D
Acq: 14 Dec 2018 22:53

Tgt Ion:119 Resp: 860
Ion Ratio Lower Upper
119 100
91 78.1 30.3 91.0
134 5.5 11.2 33.5#

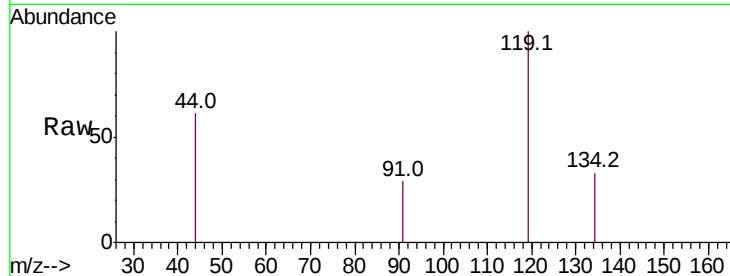




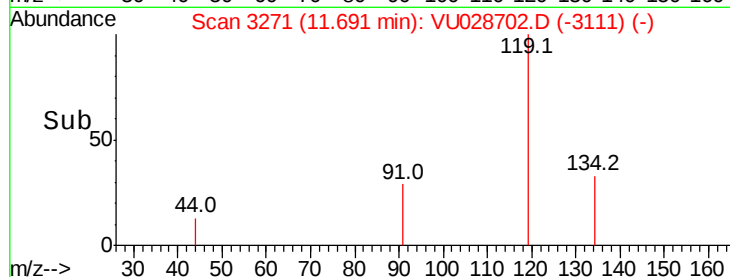
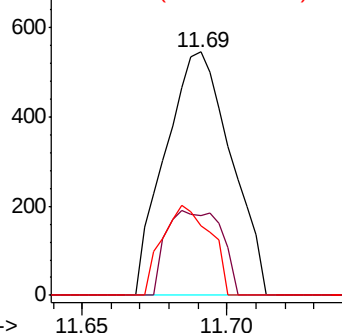
#86
p-Isopropyltoluene
Concen: 0.274 ug/l
RT: 11.69 min Scan# 3271
Delta R.T. 0.22 min
Lab File: VU028702.D
Acq: 14 Dec 2018 22:53

Instrument :
MSVOA_U
ClientSampleId :

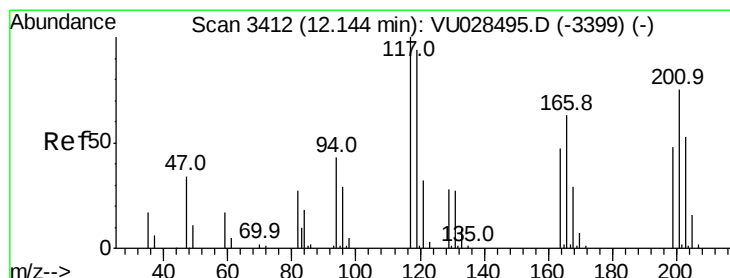
Tot Ion:119 Resp: 859
Ion Ratio Lower Upper
119 100
134 29.3 12.7 38.1
91 27.1 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

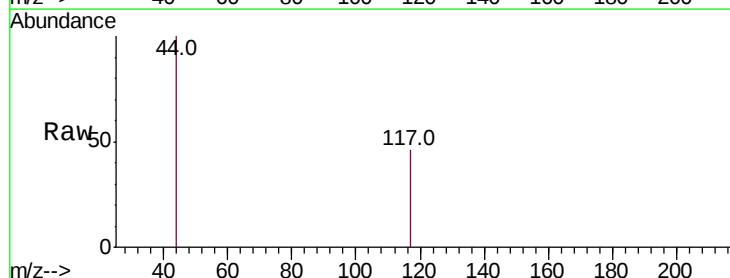


Time-->

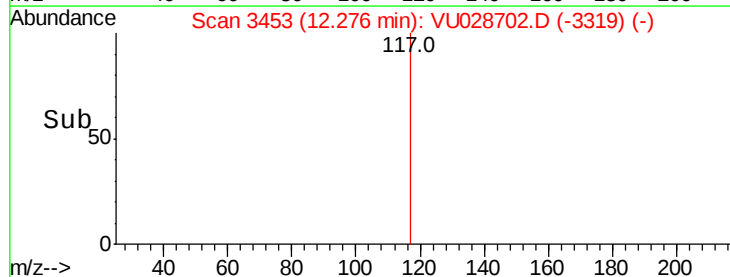
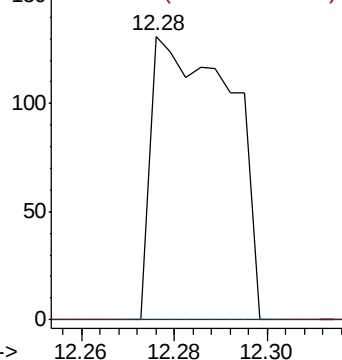


#90
Hexachloroethane
Concen: 0.330 ug/l
RT: 12.28 min Scan# 3453
Delta R.T. 0.13 min
Lab File: VU028702.D
Acq: 14 Dec 2018 22:53

Tgt Ion:117 Resp: 156
Ion Ratio Lower Upper
117 100
201 0.0 38.1 114.5#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V



Time-->