

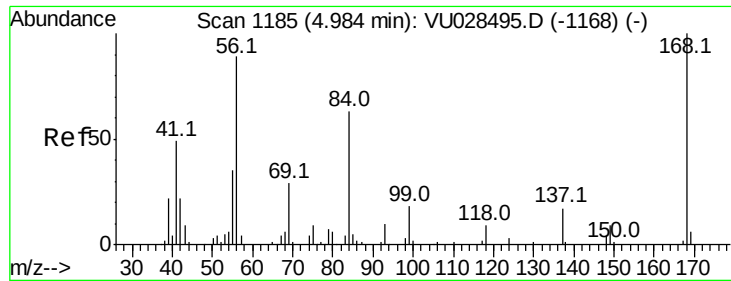
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028511.D
 Acq On : 06 Dec 2018 19:18
 Operator : MD/SY
 Sample : J6252-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 06:17:01 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	97477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	183501	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	81582	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	83018	55.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.62%	
35) Dibromofluoromethane	4.88	113	60436	52.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.68%	
50) Toluene-d8	7.57	98	244211	53.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.92%	
62) 4-Bromofluorobenzene	10.30	95	88976	52.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.22%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.84	59	463	1.397	ug/l #	73
14) Allyl chloride	2.44	41	590	0.230	ug/l #	65
16) Acetone	2.32	43	958	0.987	ug/l	94
18) Methyl Acetate	2.44	43	1688	0.671	ug/l #	56
25) 2-Butanone	4.20	43	318	0.240	ug/l #	52
31) Cyclohexane	4.99	56	2406	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8545	4.255	ug/l #	47
38) Carbon Tetrachloride	4.98	117	9468	5.850	ug/l #	14
51) 4-Methyl-2-Pentanone	7.57	43	1295	0.500	ug/l #	1
60) Dibromochloromethane	8.23	129	2883	2.140	ug/l #	10
64) Tetrachloroethene	8.23	164	2986	2.565	ug/l	89
76) 1,2,3-Trichloropropane	10.30	75	46974	22.549	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	46974	55.383	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: VU028511.D

Acq: 06 Dec 2018 19:18

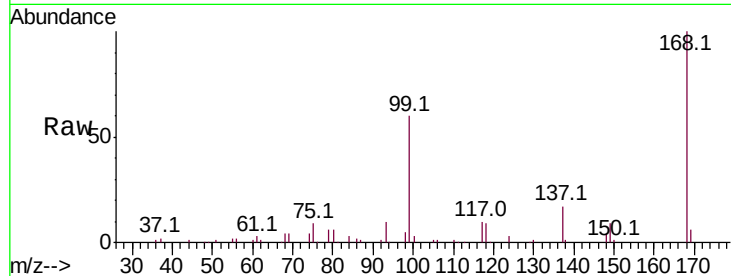
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 97477

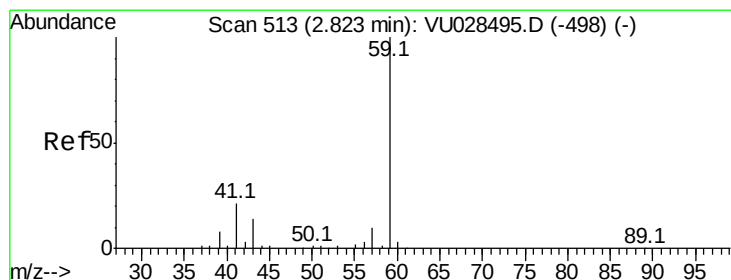
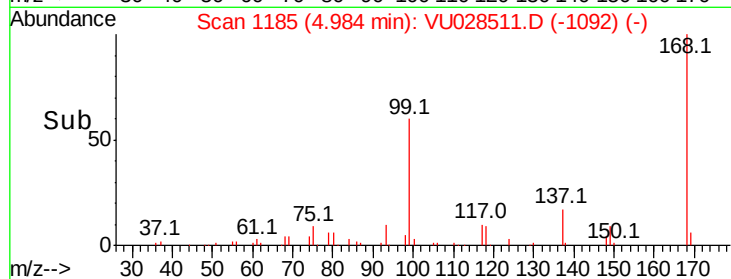
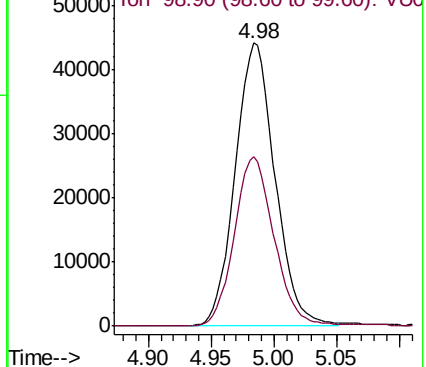
Ion Ratio Lower Upper

168 100

99 60.0 46.6 69.8



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



#11

Tert butyl alcohol

Concen: 1.397 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU028511.D

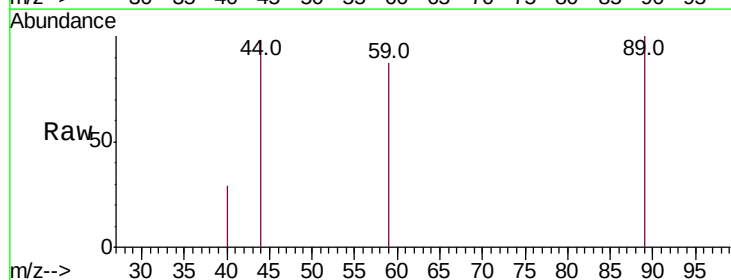
Acq: 06 Dec 2018 19:18

Tgt Ion: 59 Resp: 463

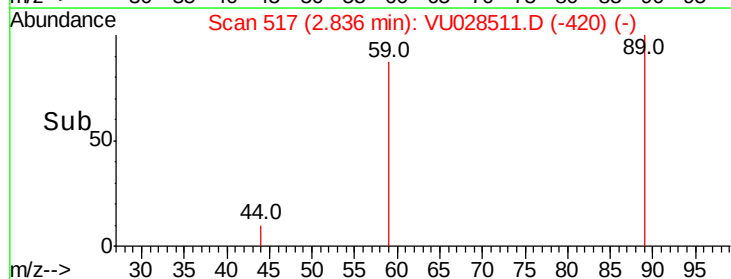
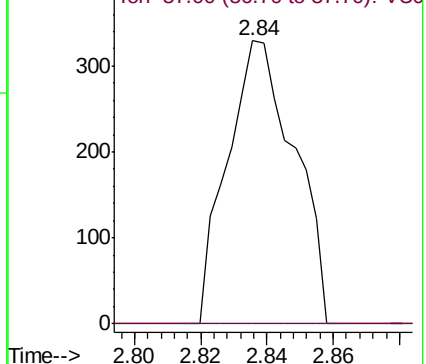
Ion Ratio Lower Upper

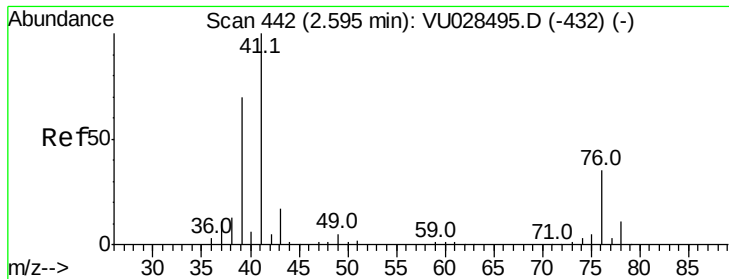
59 100

57 0.0 8.0 12.0#



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





#14

Allvl chloride

Concen: 0.230 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

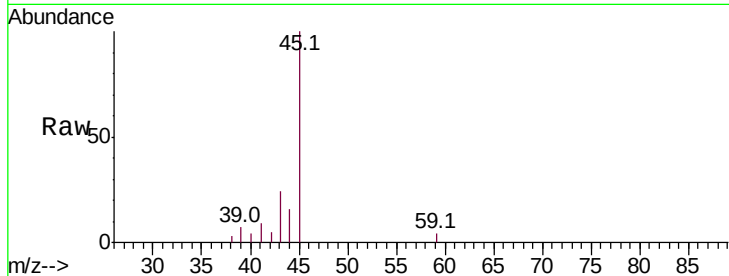
Tot Ion: 41 Resp: 590

Ion Ratio Lower Upper

41 100

39 82.5 50.8 76.2#

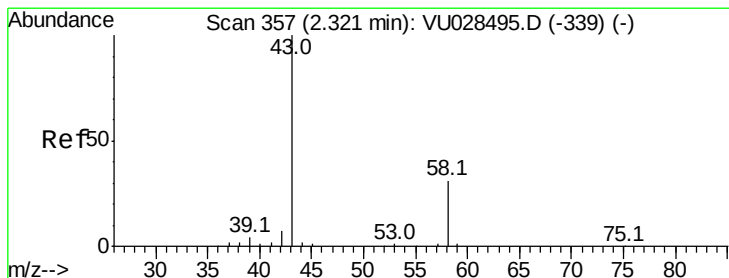
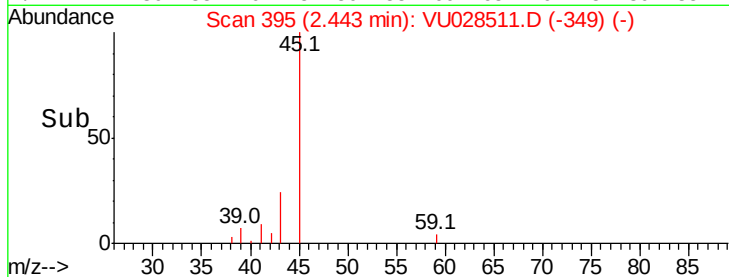
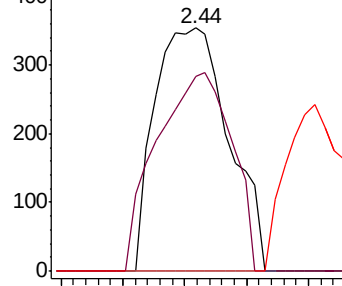
76 0.0 24.8 37.2#



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: 0.987 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028511.D

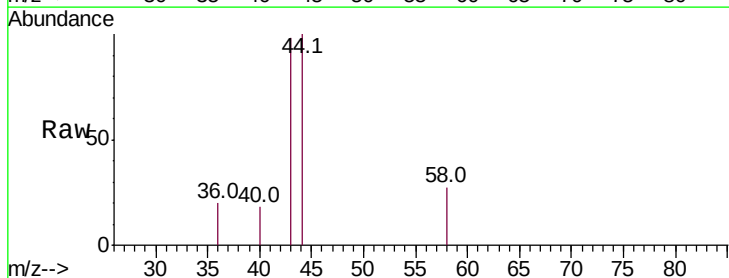
Acq: 06 Dec 2018 19:18

Tgt Ion: 43 Resp: 958

Ion Ratio Lower Upper

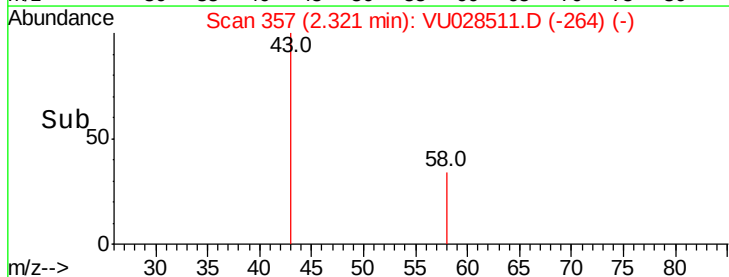
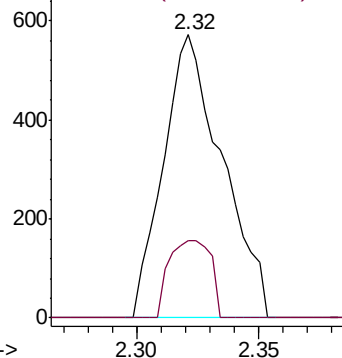
43 100

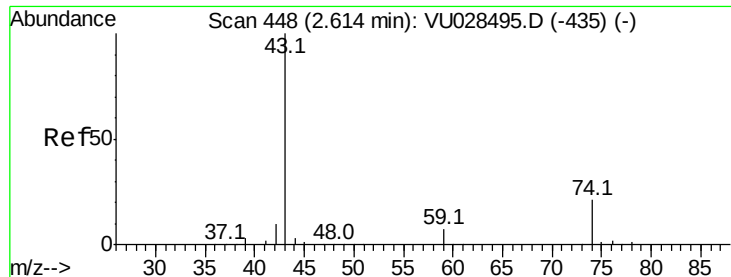
58 27.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

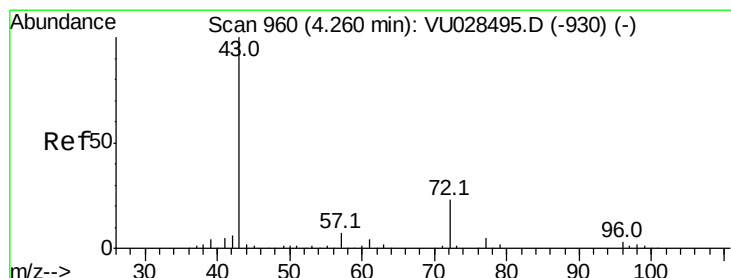
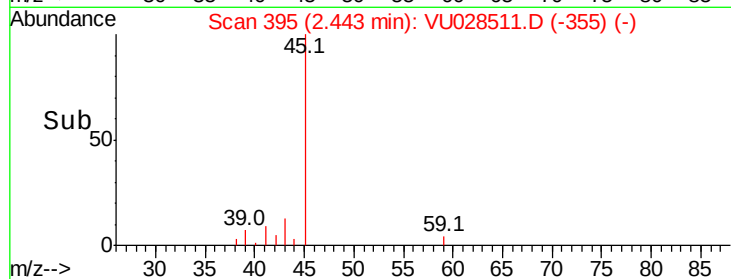
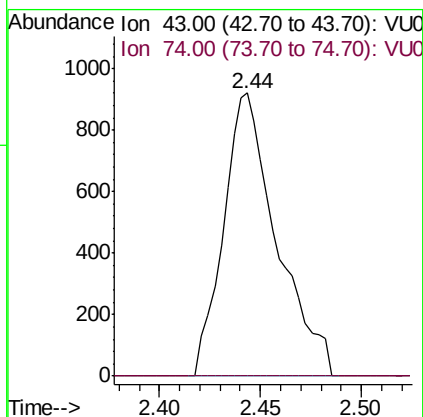
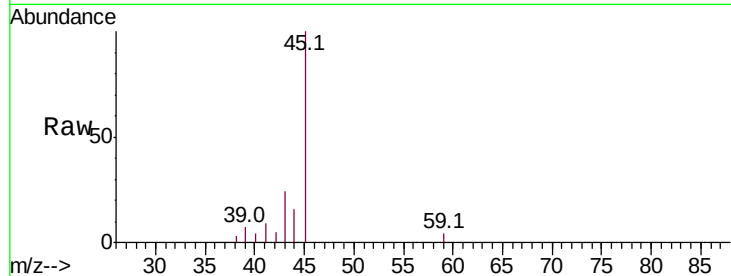




#18
Methvl Acetate
Concen: 0.671 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU028511.D
Acq: 06 Dec 2018 19:18

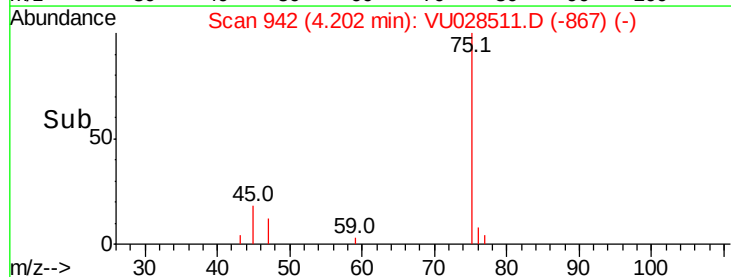
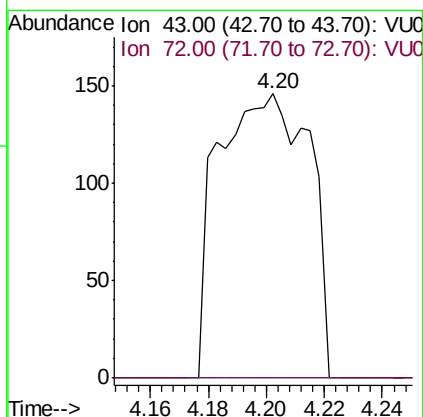
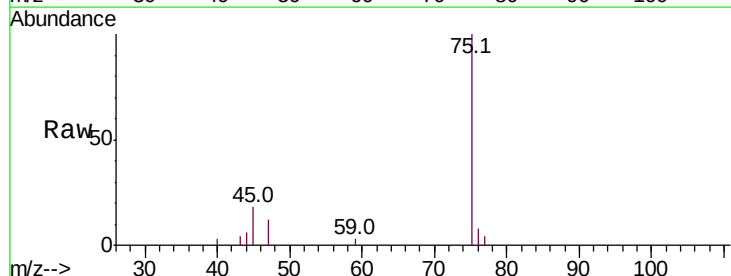
Instrument :
MSVOA_U
ClientSampleId :

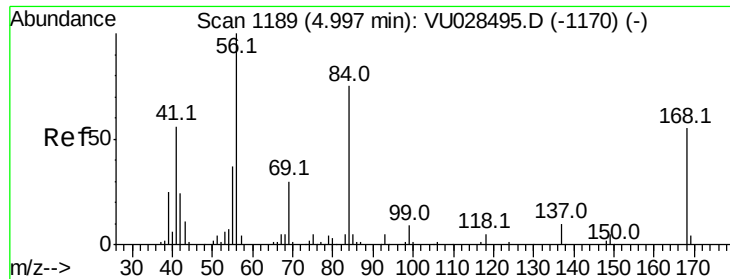
Tot Ion: 43 Resp: 1688
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#25
2-Butanone
Concen: 0.240 ug/l
RT: 4.20 min Scan# 942
Delta R.T. -0.06 min
Lab File: VU028511.D
Acq: 06 Dec 2018 19:18

Tgt Ion: 43 Resp: 318
Ion Ratio Lower Upper
43 100
72 0.0 18.6 28.0#

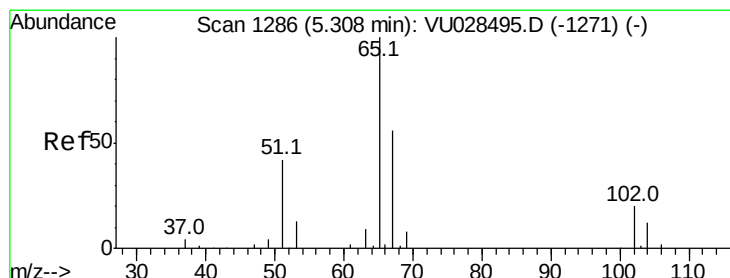
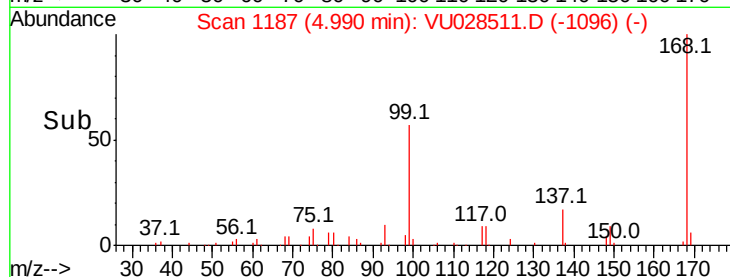
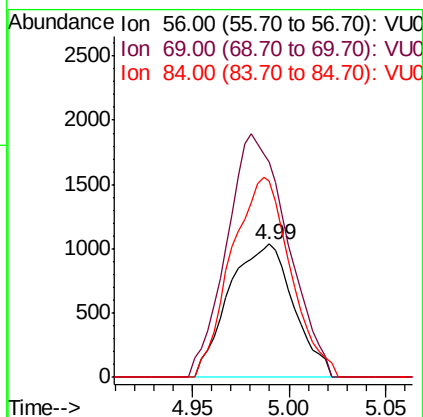
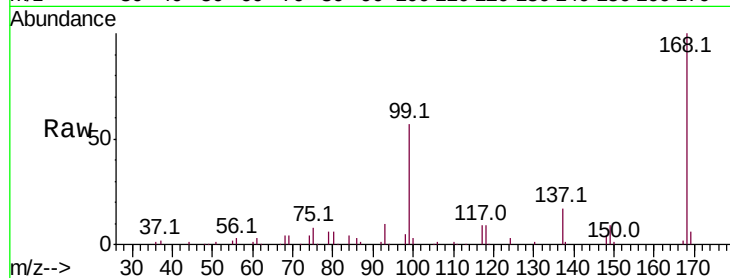




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU028511.D
Acq: 06 Dec 2018 19:18

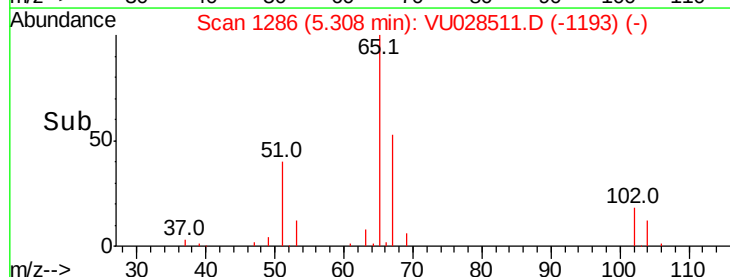
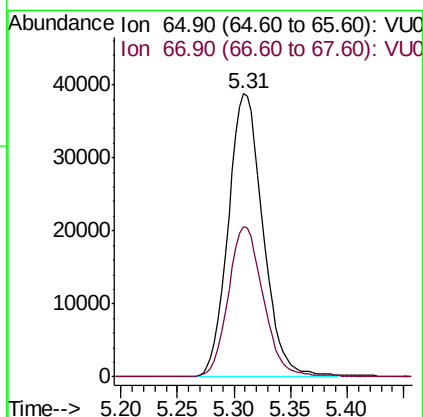
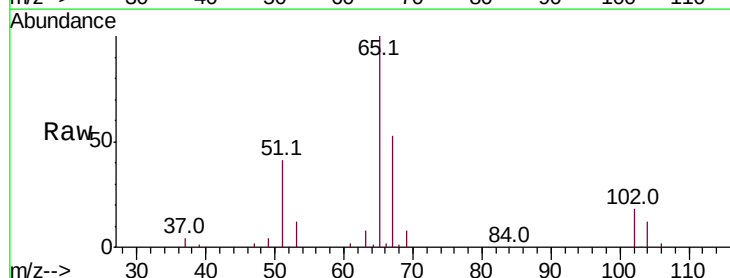
Instrument :
MSVOA_U
ClientSampleID :

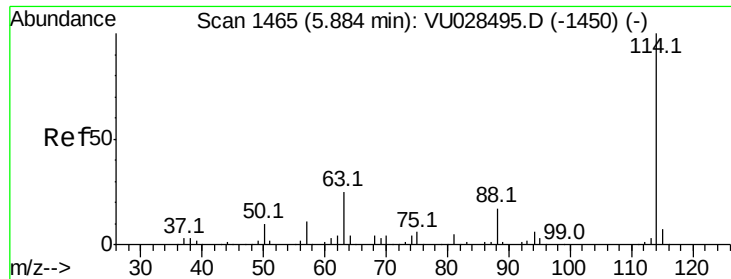
Tot Ion	Ratio	Lower	Upper
56	100		
69	161.7	24.0	36.0#
84	146.6	59.7	89.5#



#33
1,2-Dichloroethane-d4
Concen: 55.808 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028511.D
Acq: 06 Dec 2018 19:18

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.6	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: VU028511.D

Acq: 06 Dec 2018 19:18

Instrument :
MSVOA_U
ClientSampleId :

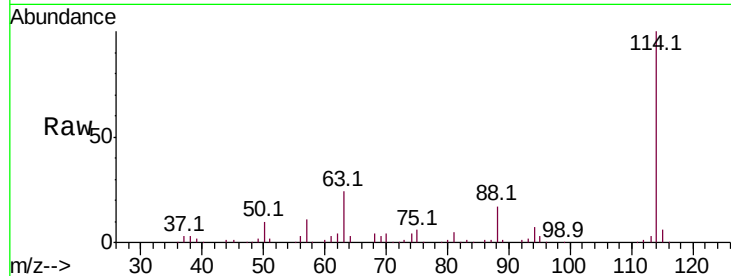
Tot Ion:114 Resp: 183501

Ion Ratio Lower Upper

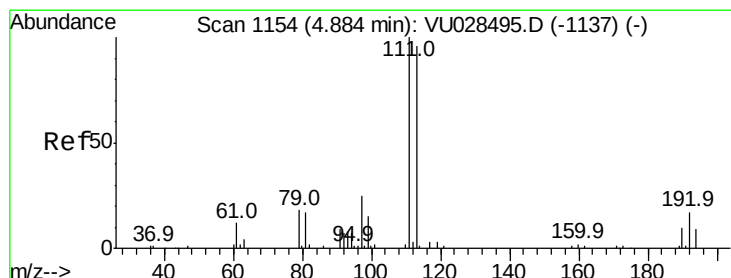
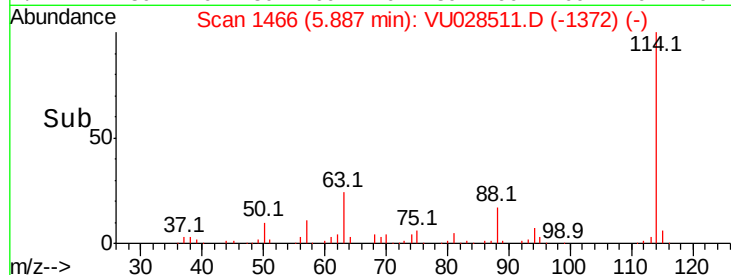
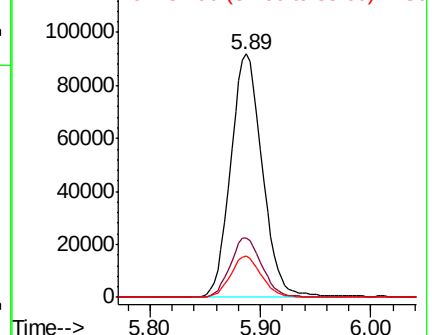
114 100

63 24.4 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: 52.335 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

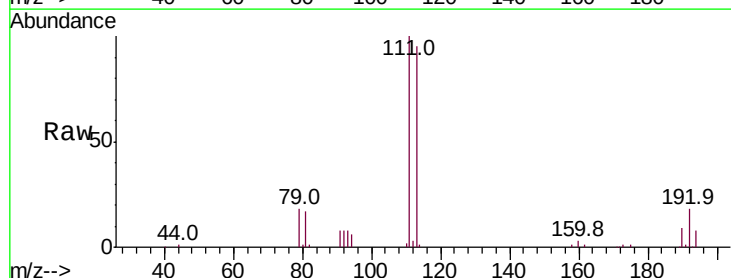
Tgt Ion:113 Resp: 60436

Ion Ratio Lower Upper

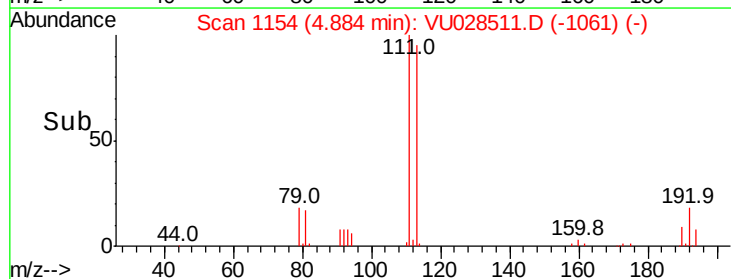
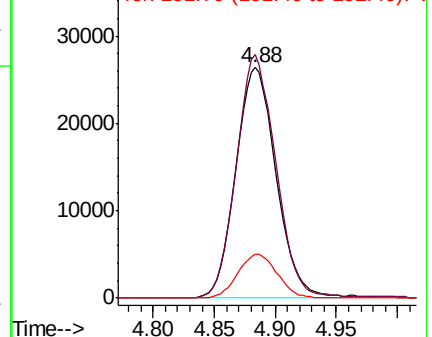
113 100

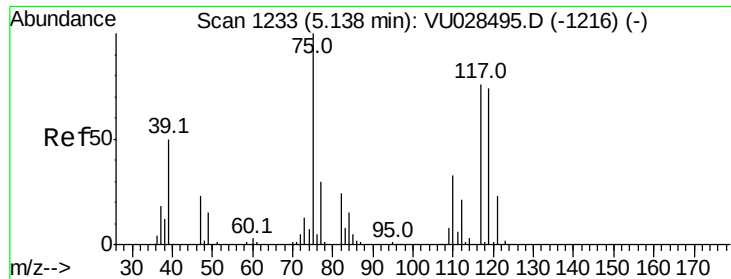
111 103.4 83.4 125.0

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

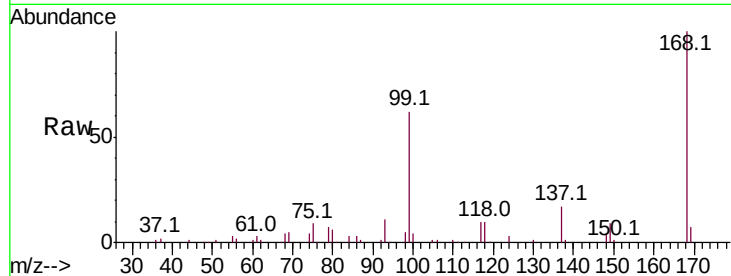




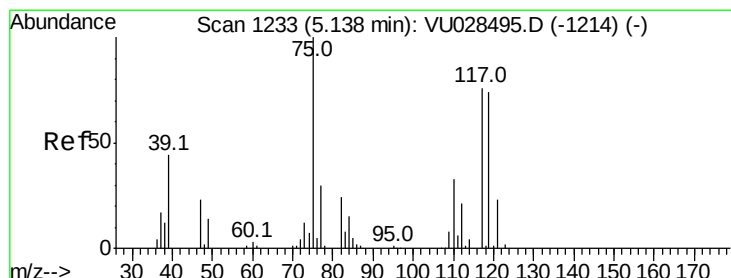
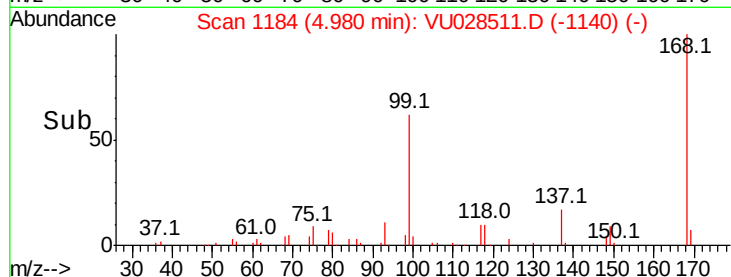
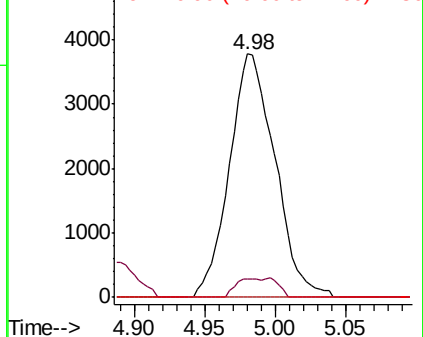
#36
 1,1-Dichloropropene
 Concen: 4.255 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028511.D
 Acq: 06 Dec 2018 19:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	4.4	16.1	48.2#
77	0.0	24.5	36.7#

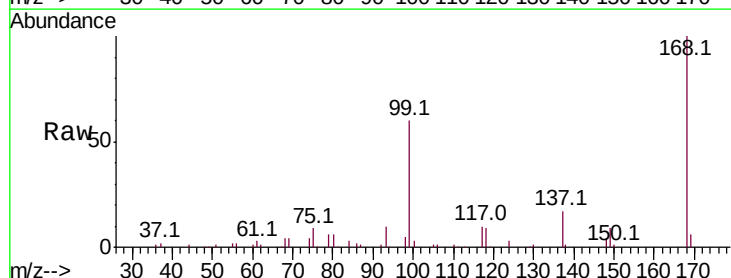


Abundance Ion 74.90 (74.60 to 75.60): VU028511.D (-1140) (-)
 Ion 109.90 (109.60 to 110.60): VU028511.D (-1140) (-)
 Ion 76.90 (76.60 to 77.60): VU028511.D (-1140) (-)

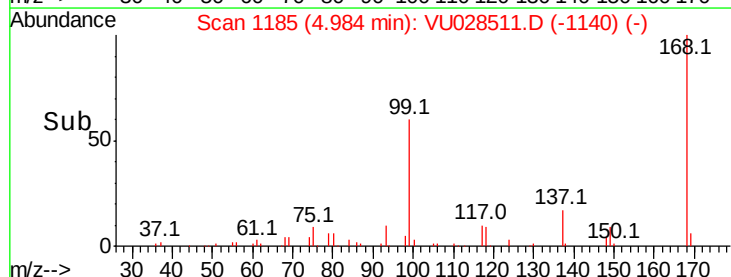
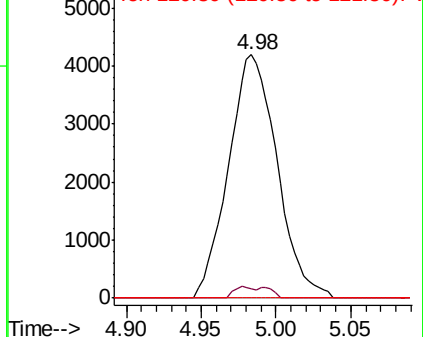


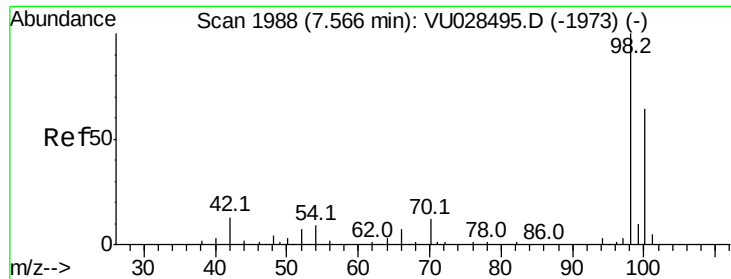
#38
 Carbon Tetrachloride
 Concen: 5.850 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028511.D
 Acq: 06 Dec 2018 19:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	77.6	116.4#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): VU028511.D (-1140) (-)
 Ion 118.80 (118.50 to 119.50): VU028511.D (-1140) (-)
 Ion 120.80 (120.50 to 121.50): VU028511.D (-1140) (-)





#50

Toluene-d8

Concen: 53.460 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

Instrument :

MSVOA_U

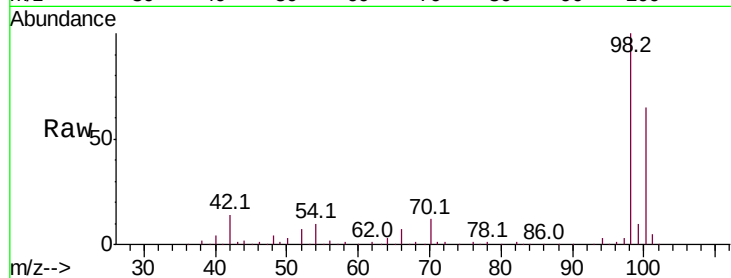
ClientSampleId :

Tot Ion: 98 Resp: 244211

Ion Ratio Lower Upper

98 100

100 63.3 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

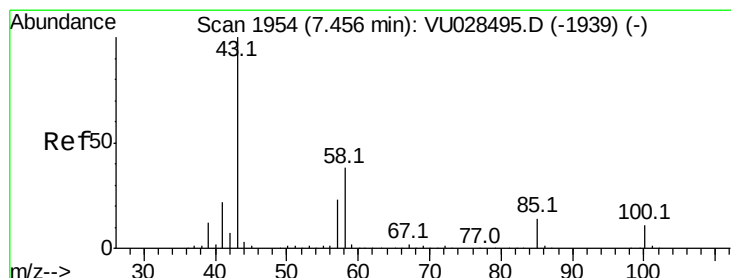
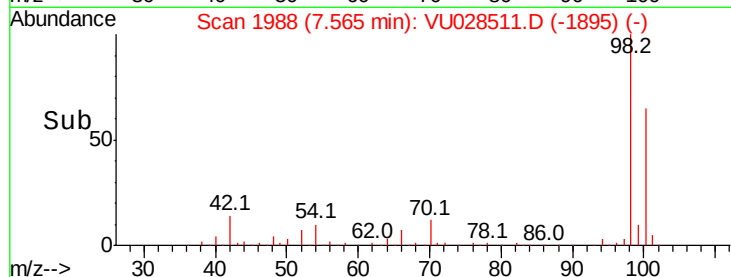
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.500 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028511.D

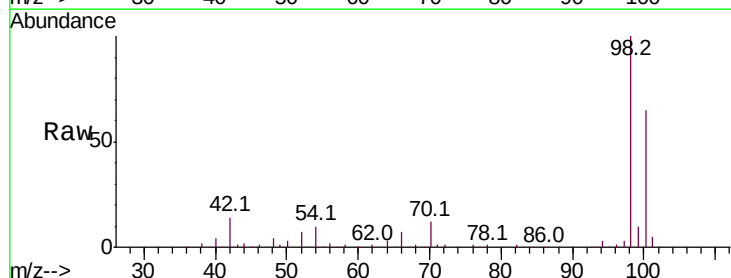
Acq: 06 Dec 2018 19:18

Tgt Ion: 43 Resp: 1295

Ion Ratio Lower Upper

43 100

58 171.9 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) (-)

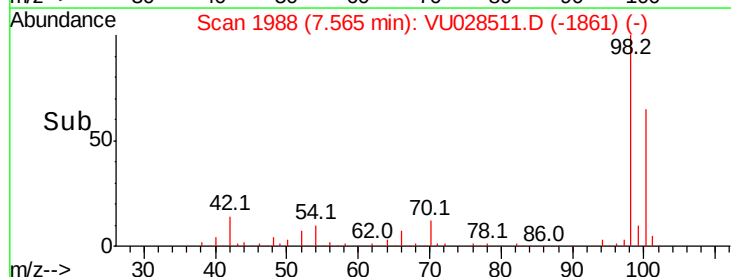
7.57

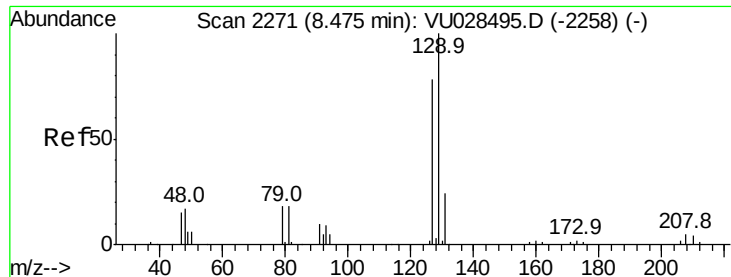
1000

500

0

Time-->





#60

Dibromochloromethane

Concen: 2.140 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

Instrument :

MSVOA_U

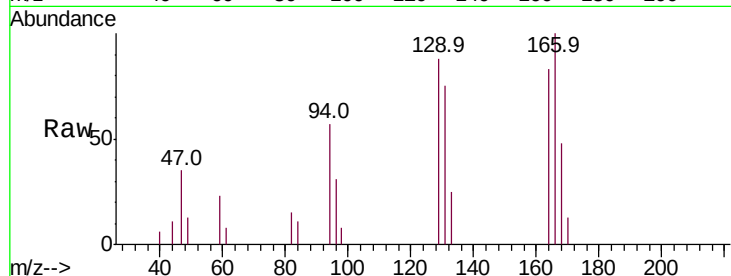
ClientSampled :

Tot Ion:129 Resp: 2883

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

8.23

2000

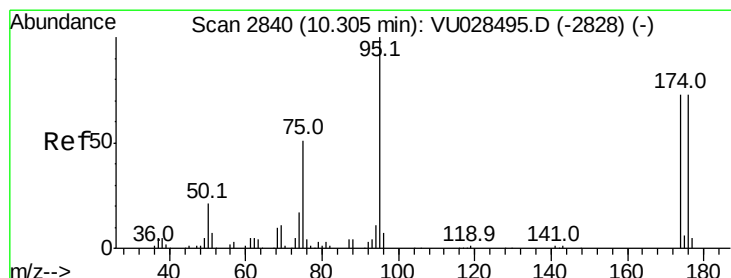
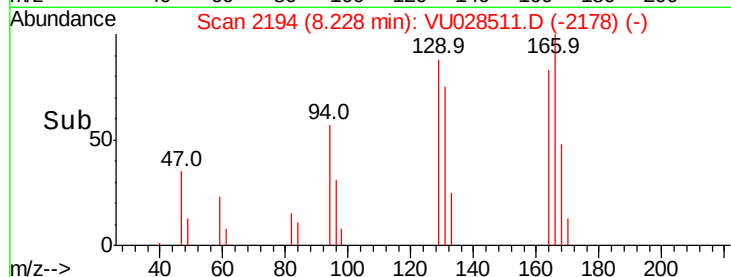
1500

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.112 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

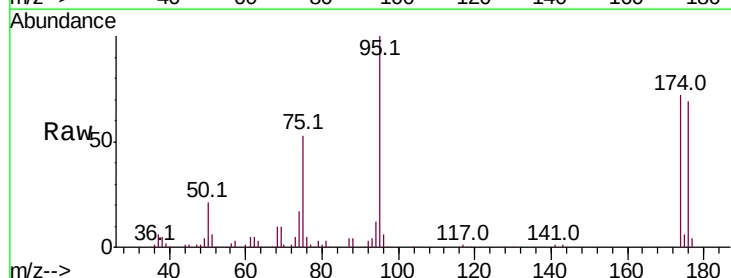
Tgt Ion: 95 Resp: 88976

Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.4

176 70.9 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

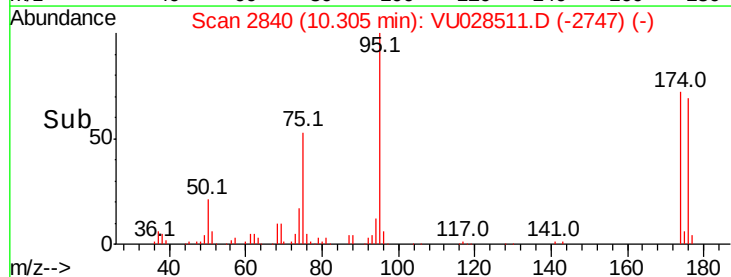
60000

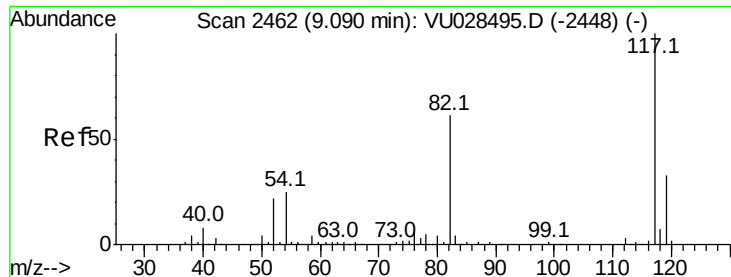
40000

20000

0

Time-->

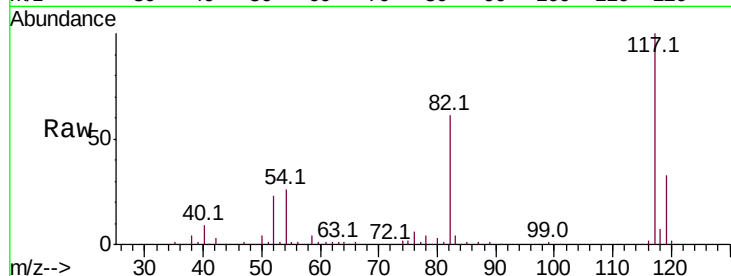




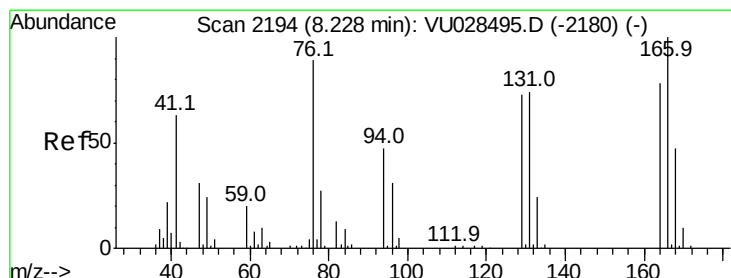
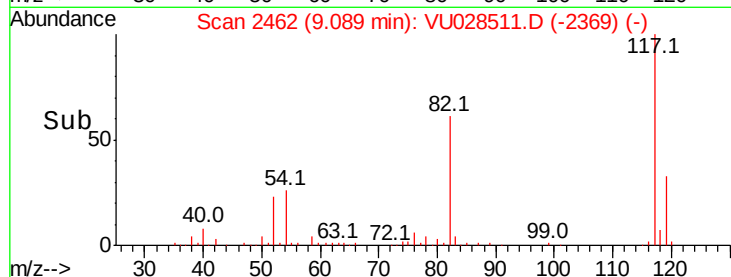
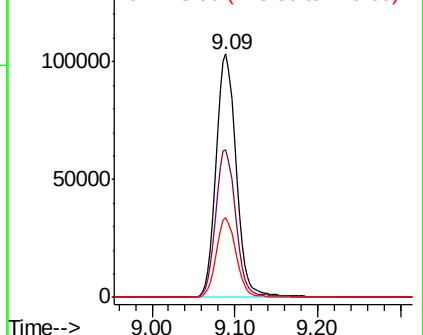
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028511.D
Acq: 06 Dec 2018 19:18

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 174542
Ion Ratio Lower Upper
117 100
82 60.9 48.9 73.3
119 32.8 26.2 39.4

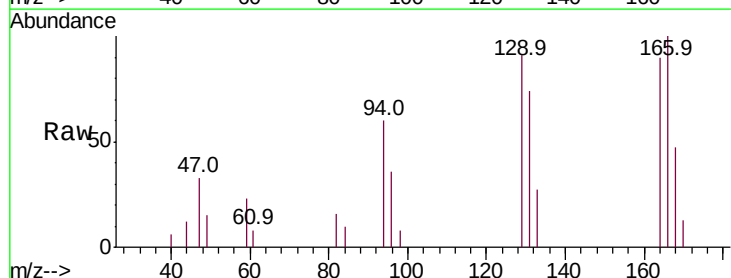


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

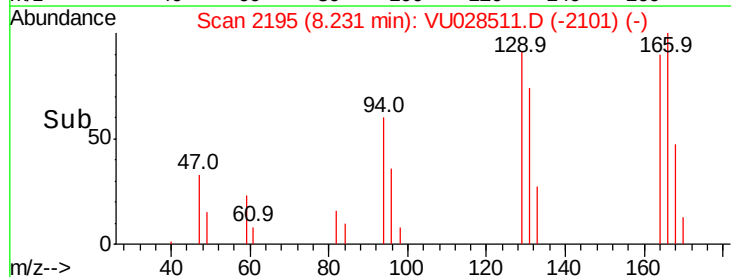
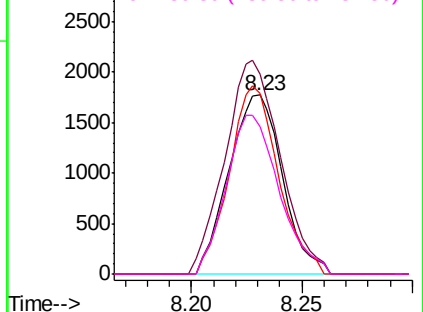


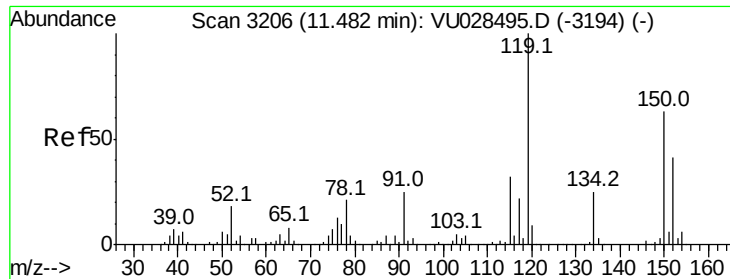
#64
Tetrachloroethene
Concen: 2.565 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU028511.D
Acq: 06 Dec 2018 19:18

Tgt Ion:164 Resp: 2986
Ion Ratio Lower Upper
164 100
166 111.6 101.9 152.9
129 101.0 74.9 112.3
131 82.4 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

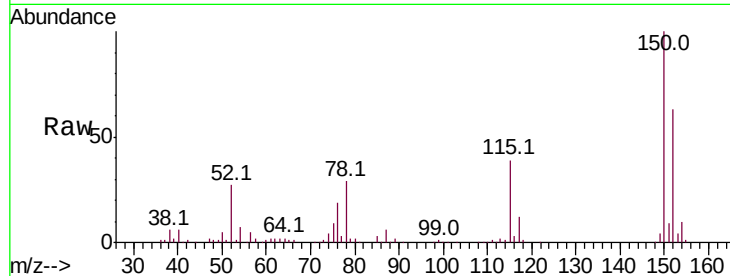




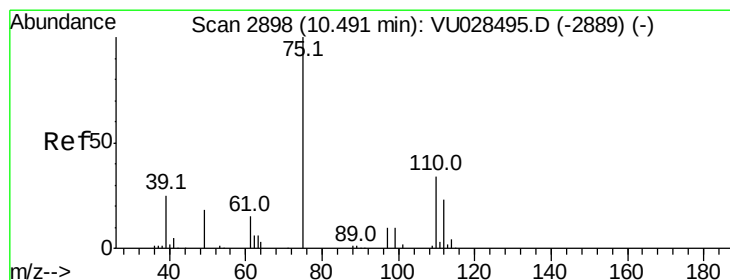
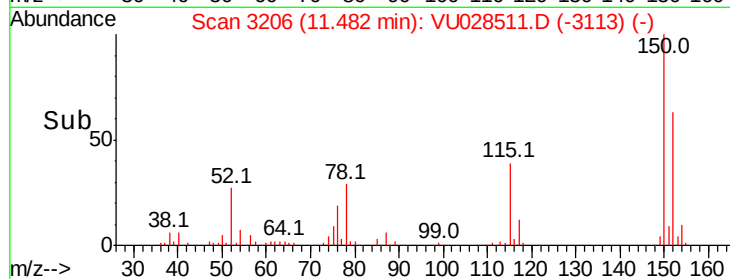
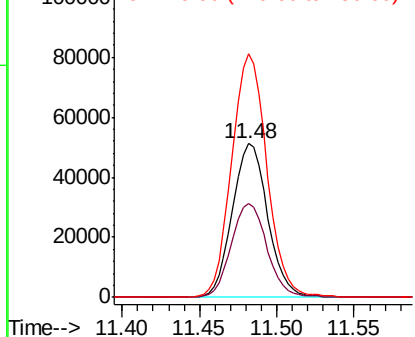
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU028511.D
 Acq: 06 Dec 2018 19:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:152 Resp: 81582
 Ion Ratio Lower Upper
 152 100
 115 61.5 42.7 128.1
 150 157.2 0.0 346.0

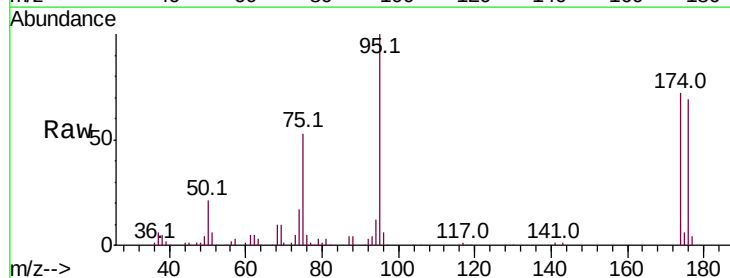


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

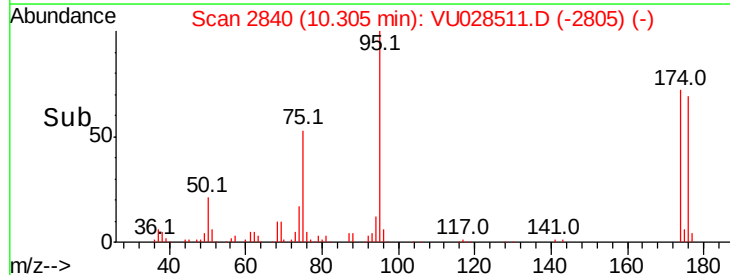
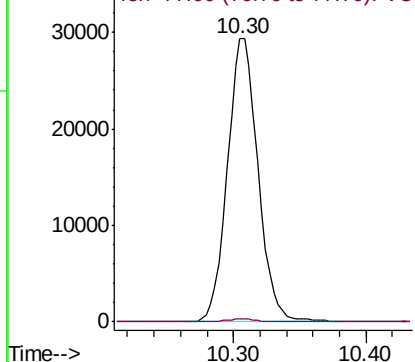


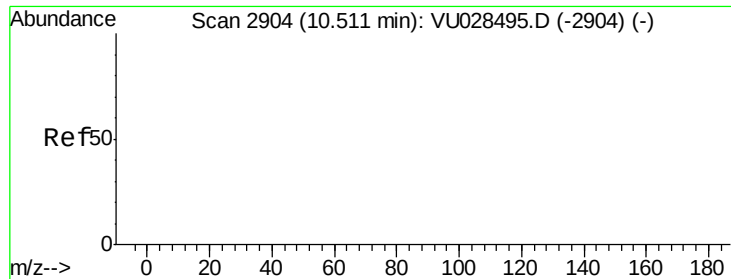
#76
 1,2,3-Trichloropropane
 Concen: 22.549 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028511.D
 Acq: 06 Dec 2018 19:18

Tgt Ion: 75 Resp: 46974
 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: 55.383 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

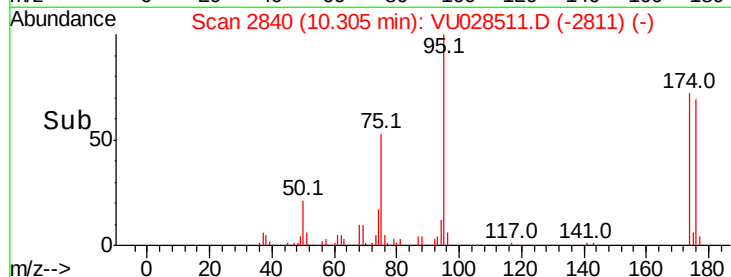
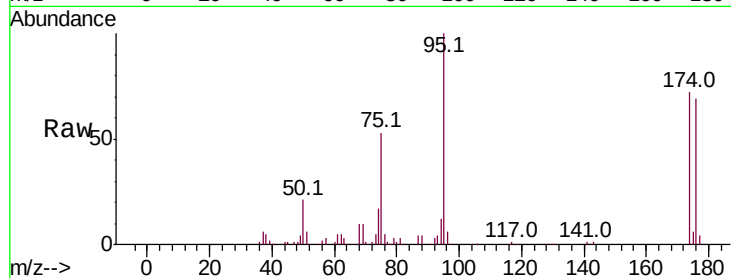
Tot Ion: 75 Resp: 46974

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

