

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028711.D
 Acq On : 17 Dec 2018 11:16
 Operator : MD/SY
 Sample : J6439-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:05:46 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

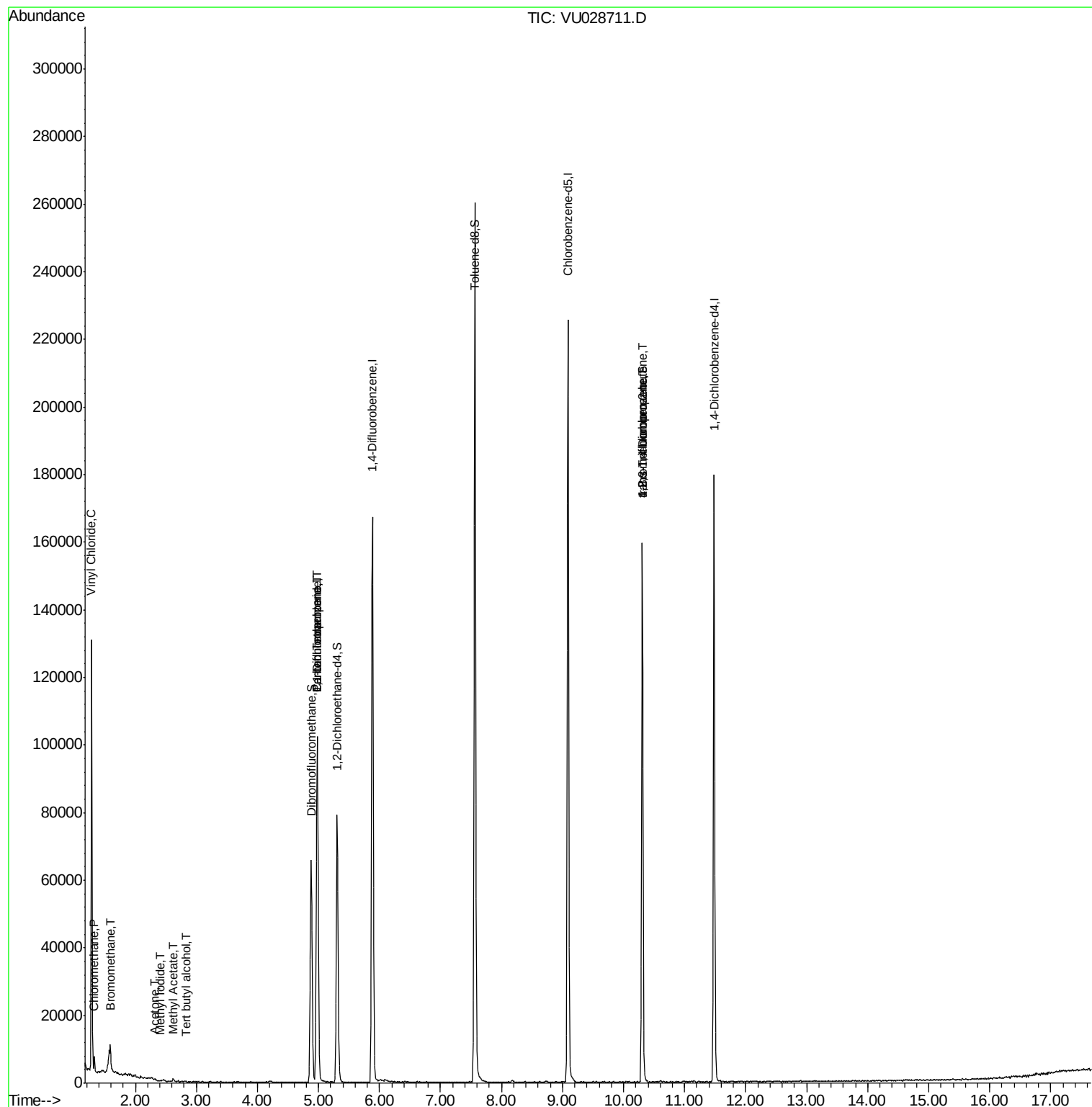
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	76737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	134810	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	119428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	43863	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	61491	52.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.02%	
35) Dibromofluoromethane	4.88	113	45449	53.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.14%	
50) Toluene-d8	7.56	98	173963	51.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.68%	
62) 4-Bromofluorobenzene	10.31	95	55065	43.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.80%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	4213	2.228	ug/l	94
4) Vinyl Chloride	1.29	62	1115	0.817	ug/l #	43
5) Bromomethane	1.61	94	429	0.780	ug/l	99
10) Methyl Iodide	2.41	142	259	0.384	ug/l #	42
11) Tert butyl alcohol	2.84	59	108	0.414	ug/l #	73
16) Acetone	2.32	43	596	0.780	ug/l #	44
18) Methyl Acetate	2.62	43	1287	0.650	ug/l #	59
31) Cyclohexane	4.99	56	1860	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	6790	4.603	ug/l #	49
38) Carbon Tetrachloride	4.98	117	7463	6.277	ug/l #	15
76) 1,2,3-Trichloropropane	10.31	75	28060	25.052	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	28060	61.474	ug/l #	100

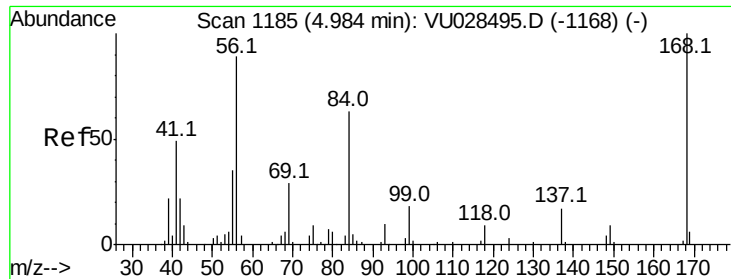
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121718\
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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# 1184

Delta R.T. -0.00 min

Lab File: VU028711.D

Acq: 17 Dec 2018 11:16

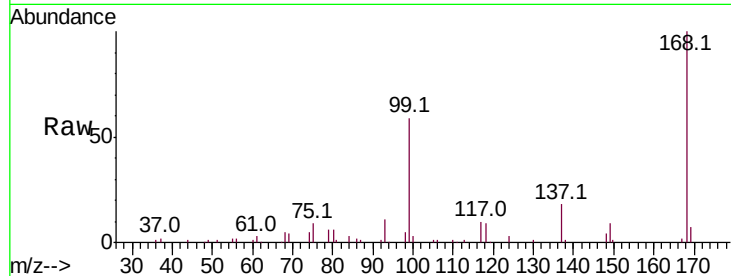
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 76737

Ion Ratio Lower Upper

168 100

99 58.7 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

30000

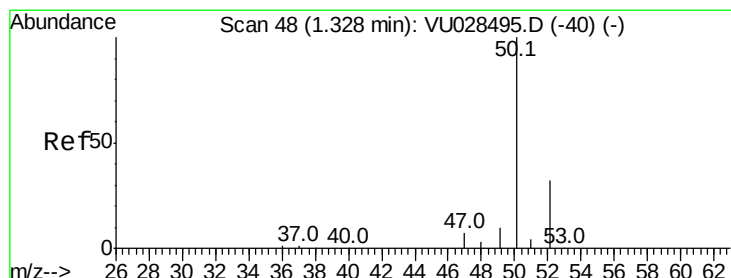
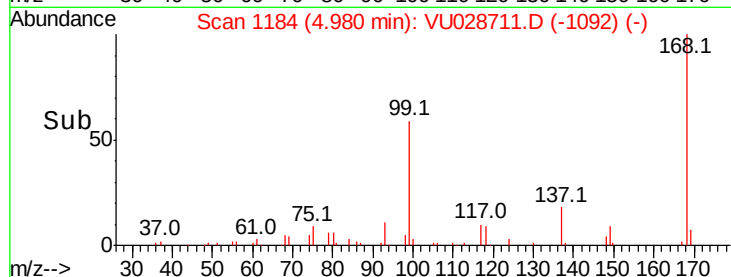
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 2.228 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028711.D

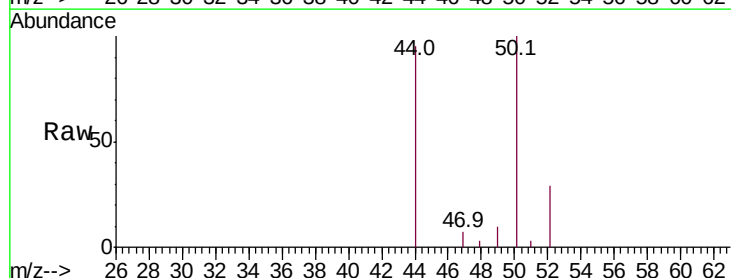
Acq: 17 Dec 2018 11:16

Tgt Ion: 50 Resp: 4213

Ion Ratio Lower Upper

50 100

52 28.7 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

3000

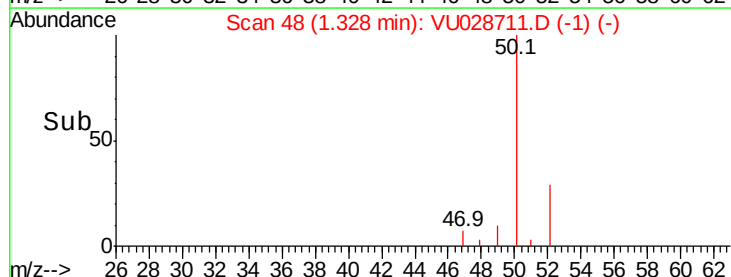
2000

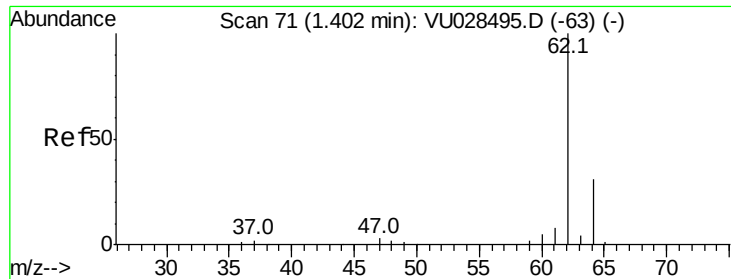
1000

0

1.30 1.35 1.40

Time-->





#4

Vinyl Chloride

Concen: 0.817 ug/l

RT: 1.29 min Scan# 35

Delta R.T. -0.12 min

Lab File: VU028711.D

Acq: 17 Dec 2018 11:16

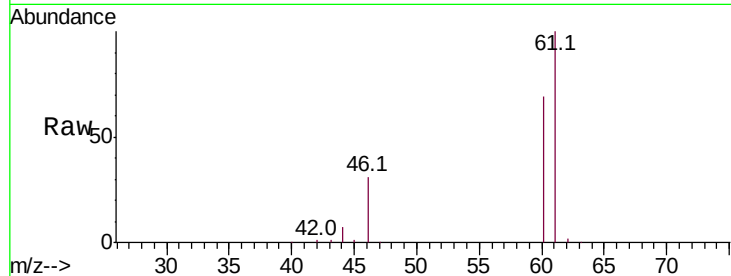
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 1115

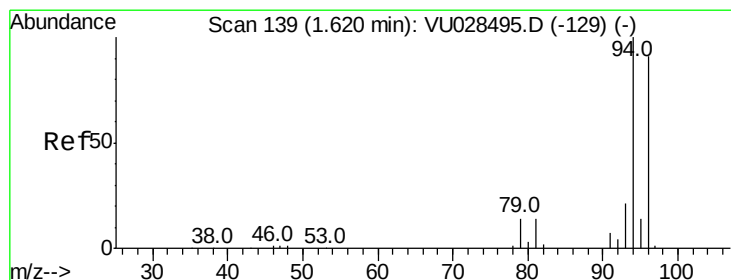
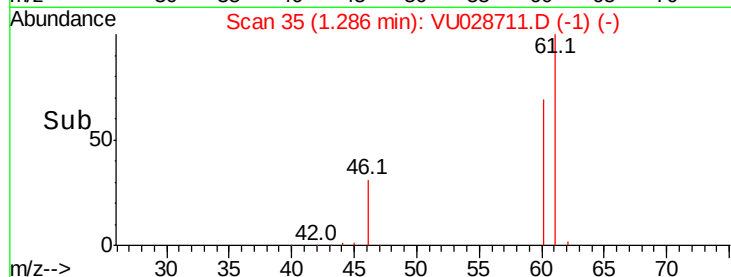
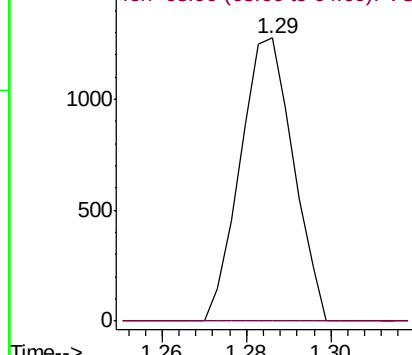
Ion Ratio Lower Upper

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



#5

Bromomethane

Concen: 0.780 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028711.D

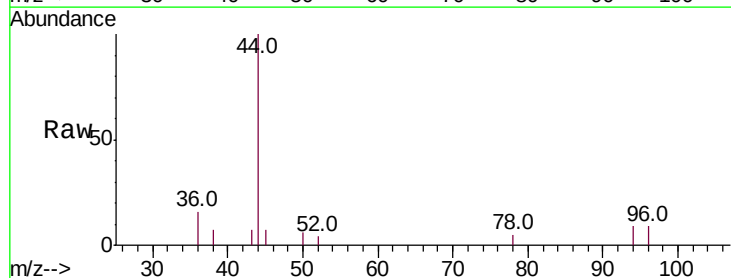
Acq: 17 Dec 2018 11:16

Tgt Ion: 94 Resp: 429

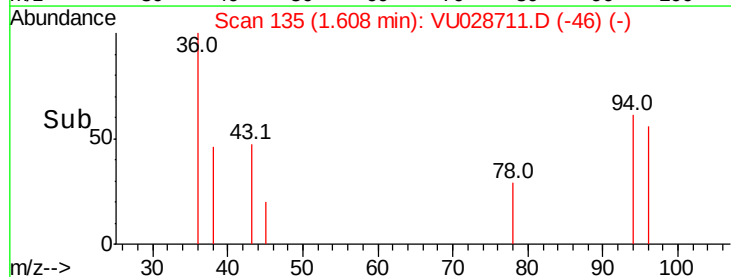
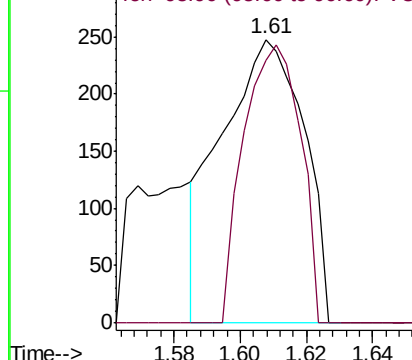
Ion Ratio Lower Upper

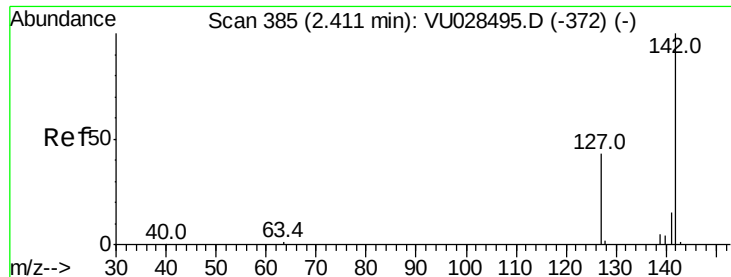
94 100

96 92.7 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0
Ion 95.90 (95.60 to 96.60): VU0

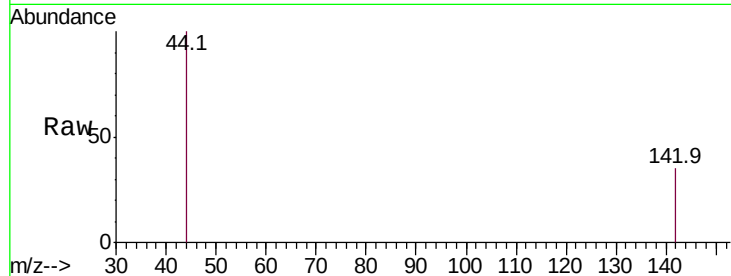




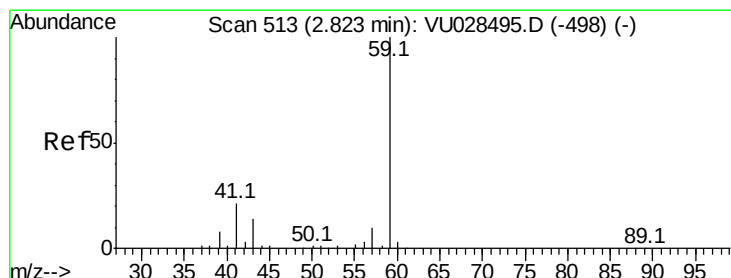
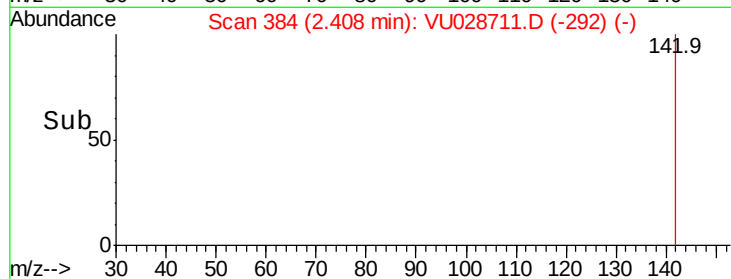
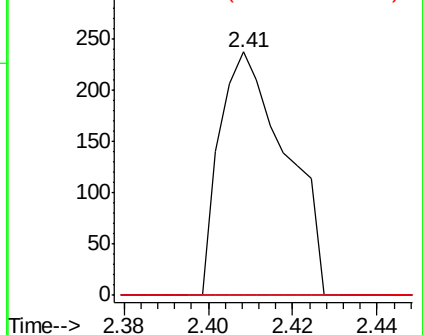
#10
Methvl Iodide
Concen: 0.384 ug/l
RT: 2.41 min Scan# 384
Delta R.T. -0.00 min
Lab File: VU028711.D
Acq: 17 Dec 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:142 Resp: 259
Ion Ratio Lower Upper
142 100
127 0.0 33.5 50.3#
141 0.0 11.2 16.8#

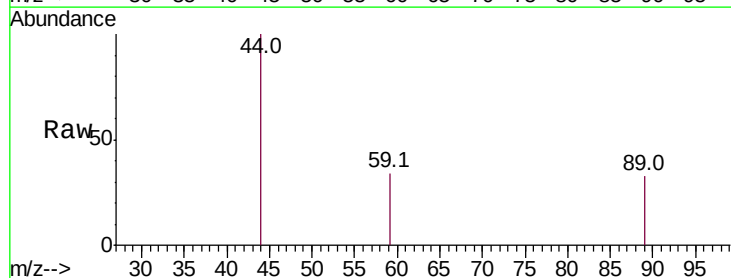


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

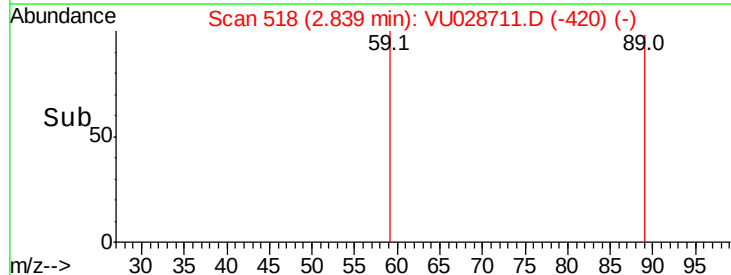
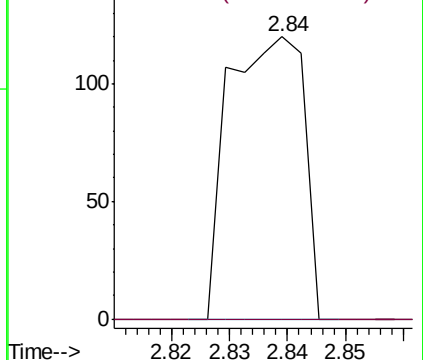


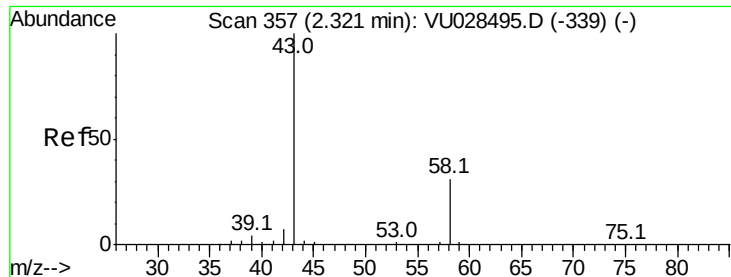
#11
Tert butyl alcohol
Concen: 0.414 ug/l
RT: 2.84 min Scan# 518
Delta R.T. 0.02 min
Lab File: VU028711.D
Acq: 17 Dec 2018 11:16

Tgt Ion: 59 Resp: 108
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 0.780 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028711.D

Acq: 17 Dec 2018 11:16

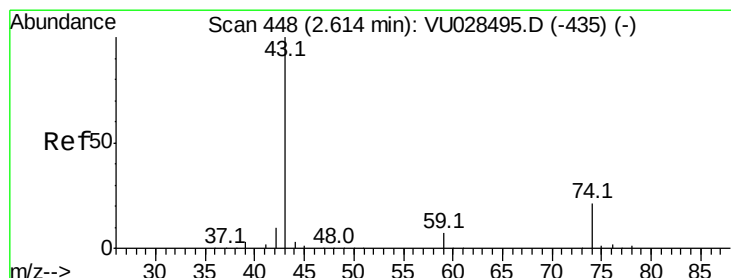
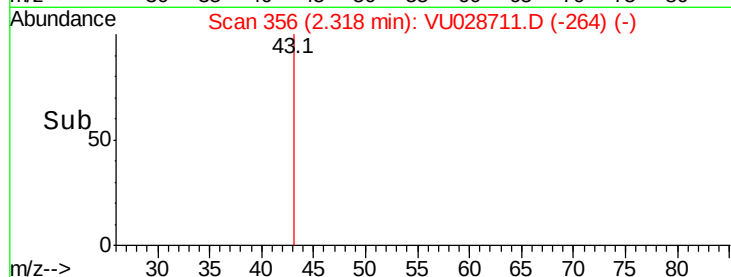
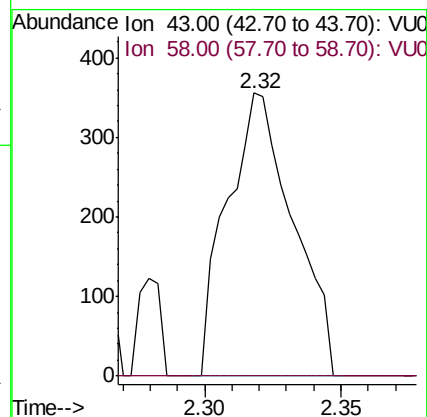
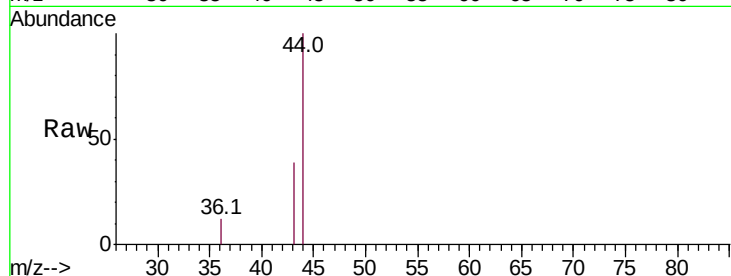
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 596

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



#18

Methyl Acetate

Concen: 0.650 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028711.D

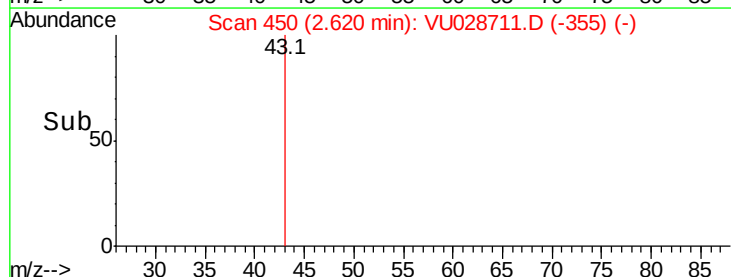
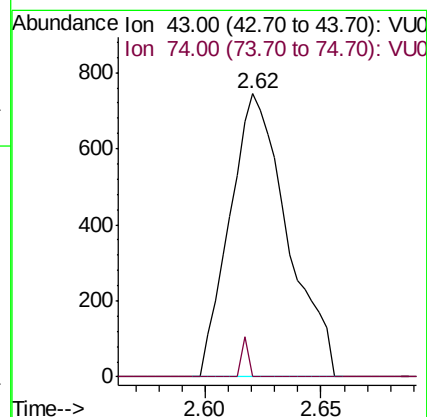
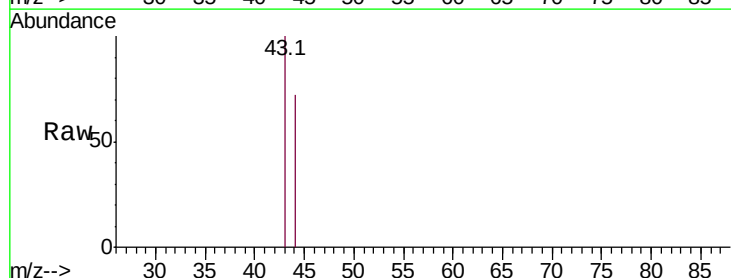
Acq: 17 Dec 2018 11:16

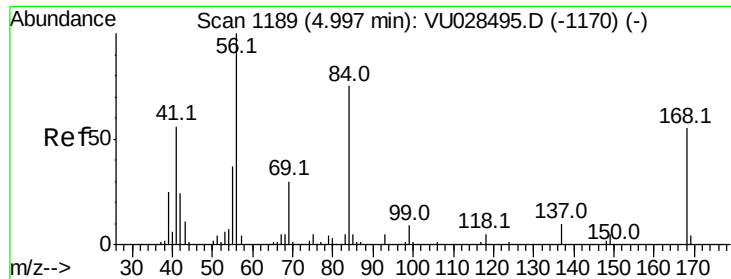
Tgt Ion: 43 Resp: 1287

Ion Ratio Lower Upper

43 100

74 1.6 16.4 24.6#

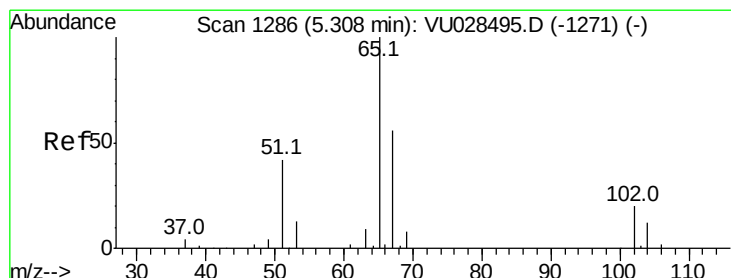
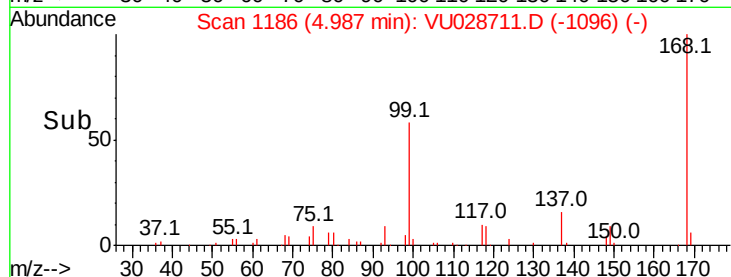
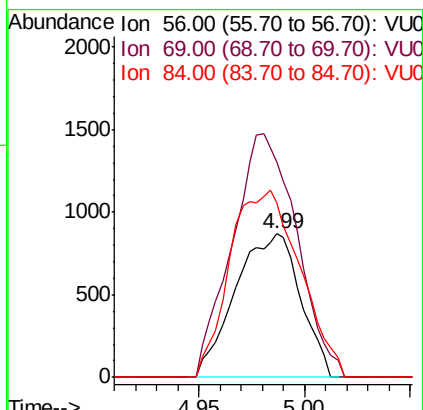
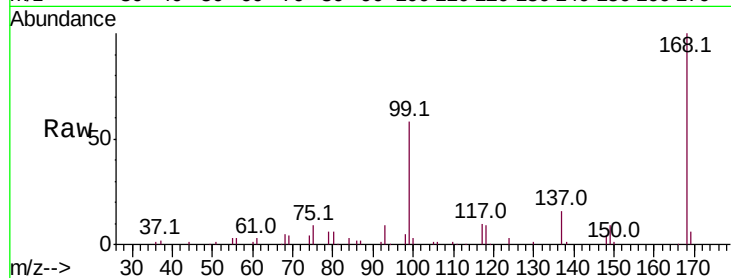




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028711.D
Acq: 17 Dec 2018 11:16

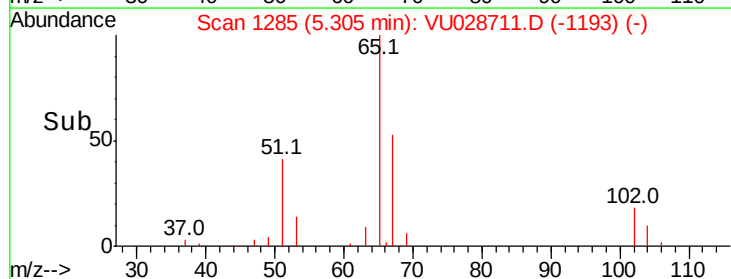
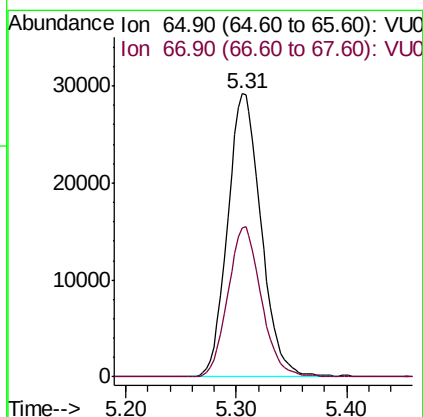
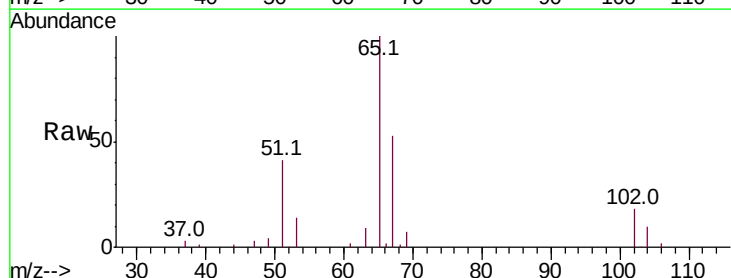
Instrument :
MSVOA_U
ClientSampleId :

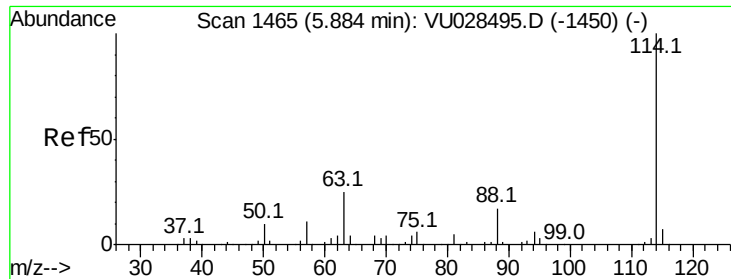
Tot Ion	56	69	84
Resp	1860		
Ratio	100	149.9	121.7
Lower		24.0	59.7
Upper		36.0#	89.5#



#33
1,2-Dichloroethane-d4
Concen: 52.509 ug/l
RT: 5.31 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VU028711.D
Acq: 17 Dec 2018 11:16

Tgt Ion	65	67
Resp	61491	
Ratio	100	52.8
Lower		0.0
Upper		110.6

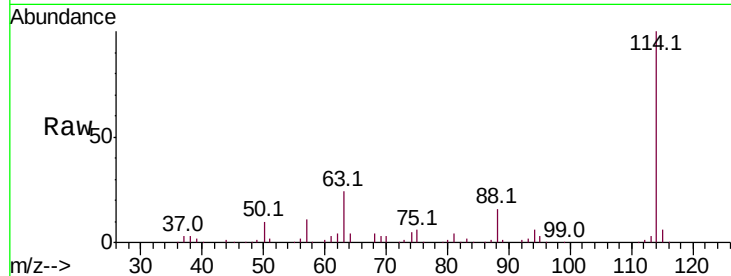




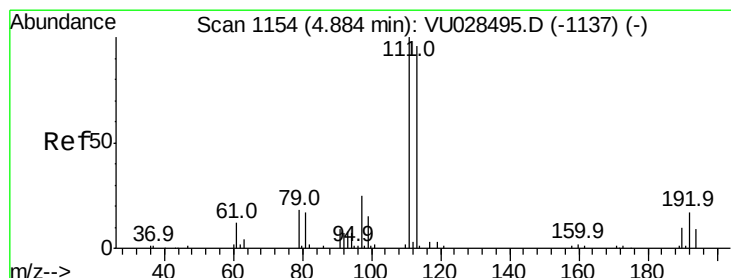
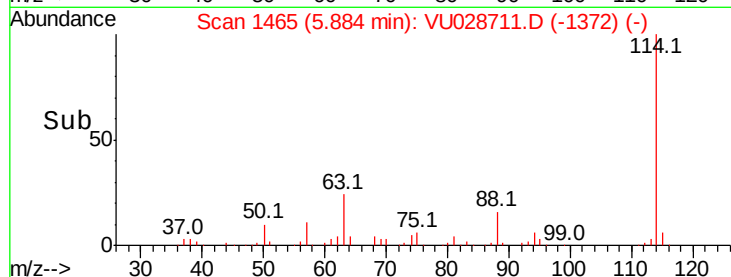
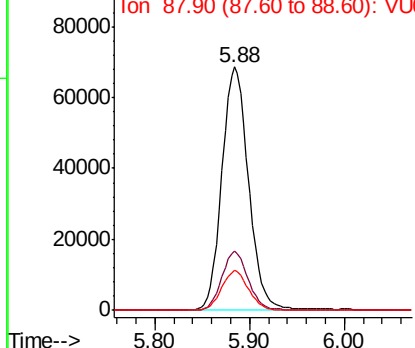
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028711.D
 Acq: 17 Dec 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	49.2
88	16.3	0.0	33.4

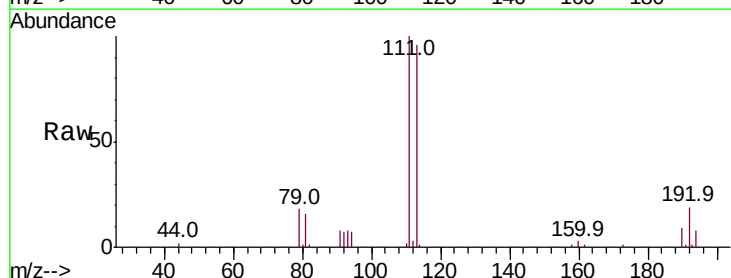


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

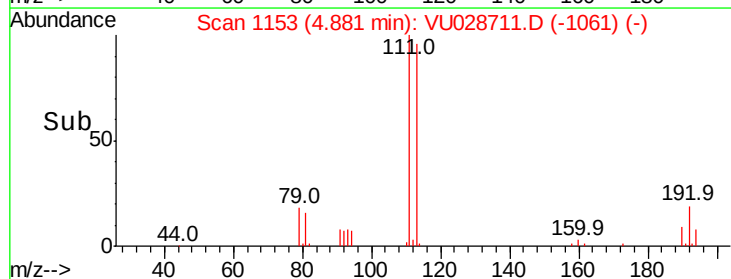
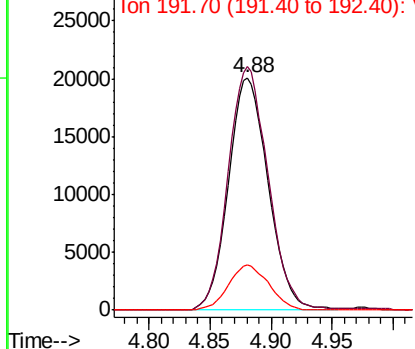


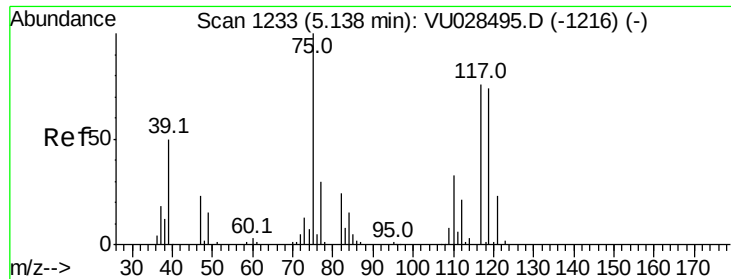
#35
 Dibromofluoromethane
 Concen: 53.572 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028711.D
 Acq: 17 Dec 2018 11:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.1	83.4	125.0
192	19.6	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

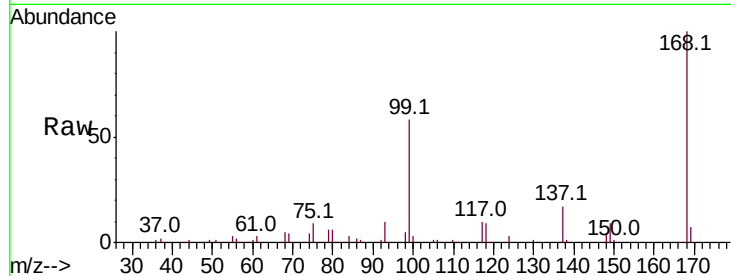




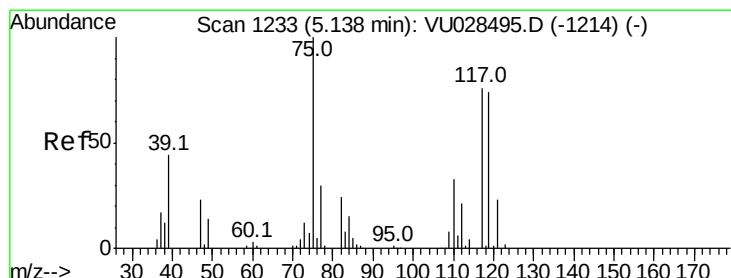
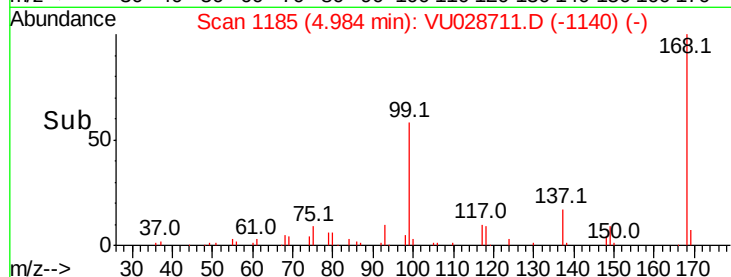
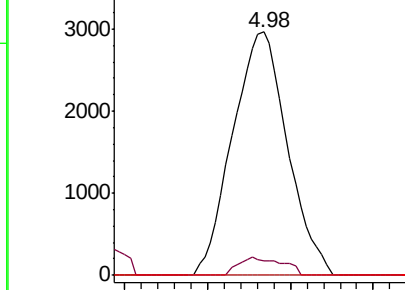
#36
 1,1-Dichloropropene
 Concen: 4.603 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028711.D
 Acq: 17 Dec 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	5.8	16.1	48.2#
77	0.0	24.5	36.7#

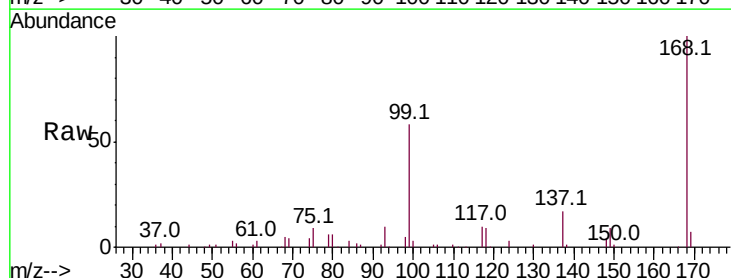


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

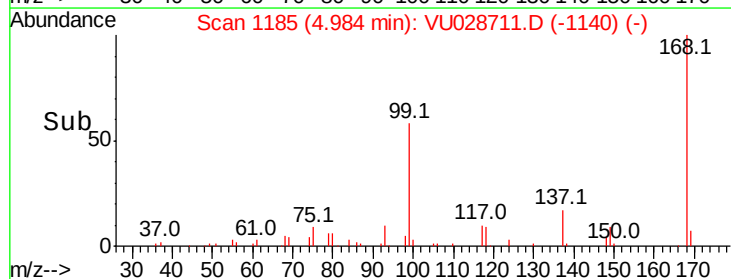
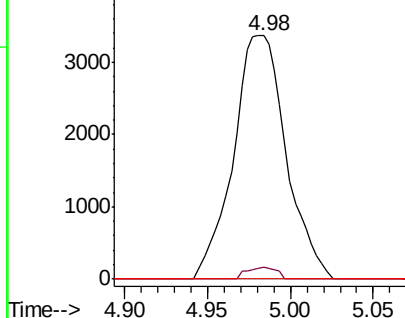


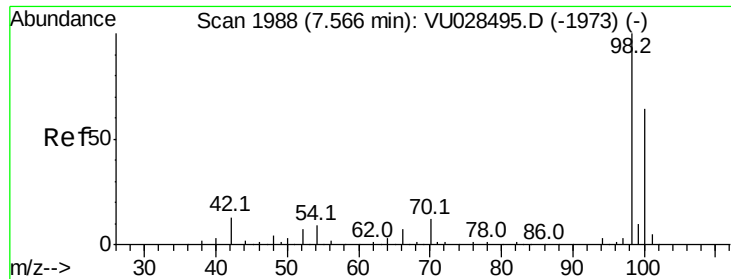
#38
 Carbon Tetrachloride
 Concen: 6.277 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028711.D
 Acq: 17 Dec 2018 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	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





#50

Toluene-d8

Concen: 51.836 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028711.D

Acq: 17 Dec 2018 11:16

Instrument :

MSVOA_U

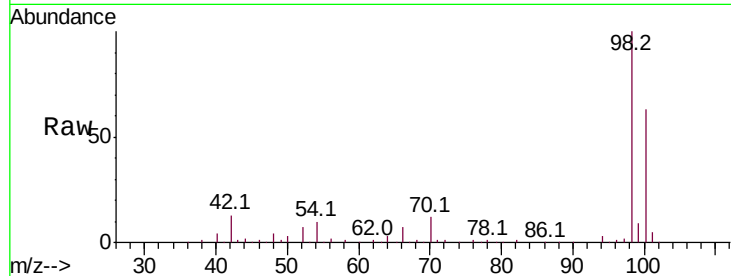
ClientSampleId :

Tot Ion: 98 Resp: 173963

Ion Ratio Lower Upper

98 100

100 62.2 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) (-)

7.56

100000

80000

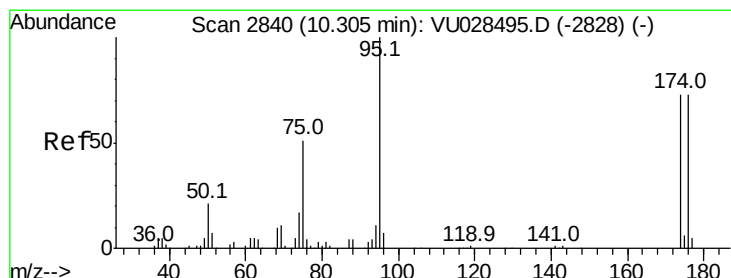
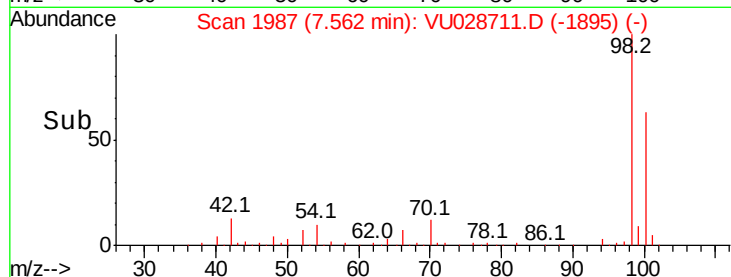
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.899 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028711.D

Acq: 17 Dec 2018 11:16

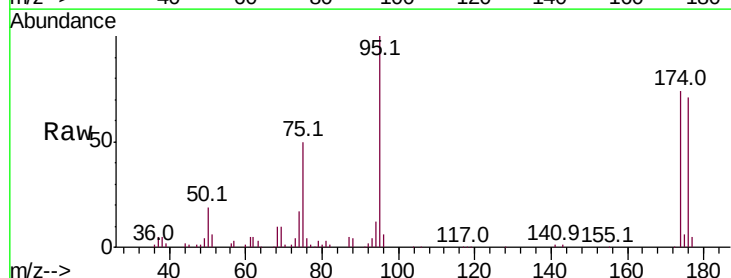
Tgt Ion: 95 Resp: 55065

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.4

176 72.1 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

10.31

40000

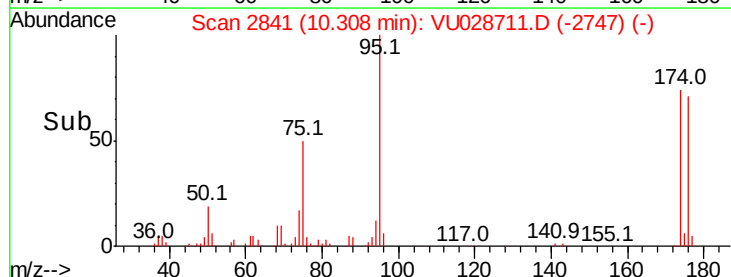
30000

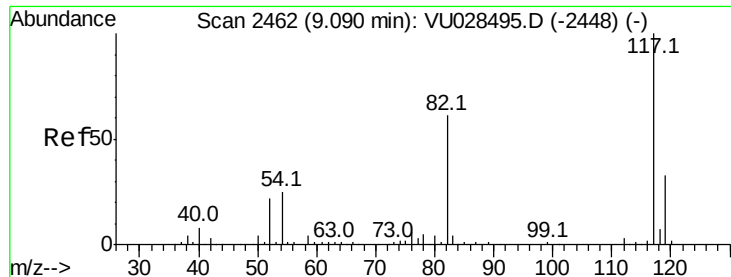
20000

10000

0

Time-->

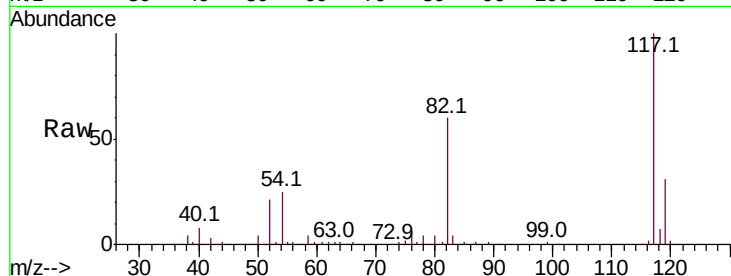




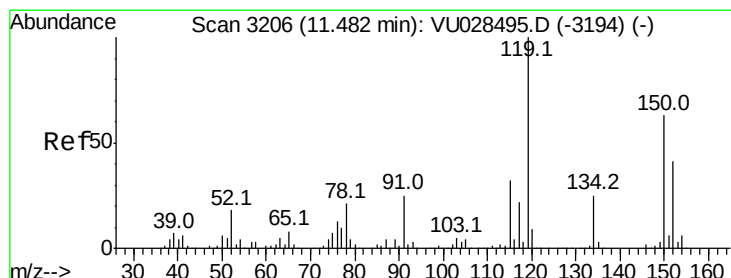
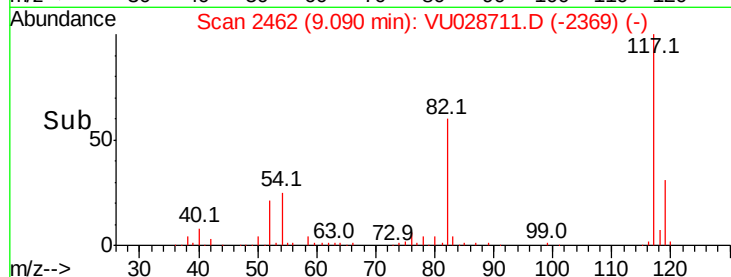
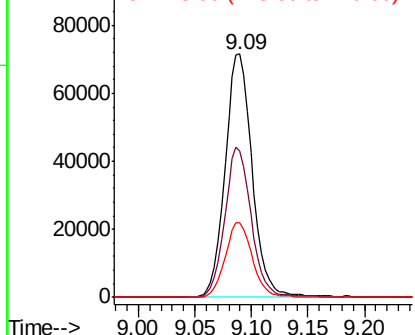
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028711.D
Acq: 17 Dec 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 119428
Ion Ratio Lower Upper
117 100
82 60.2 48.9 73.3
119 30.7 26.2 39.4

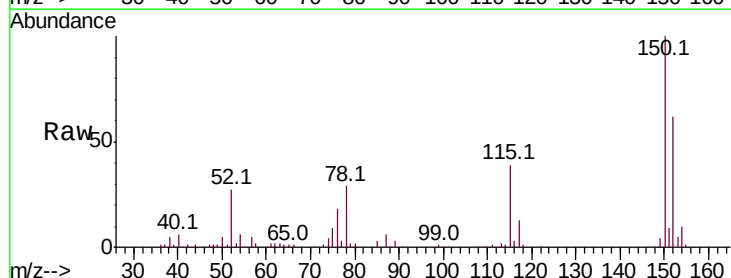


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

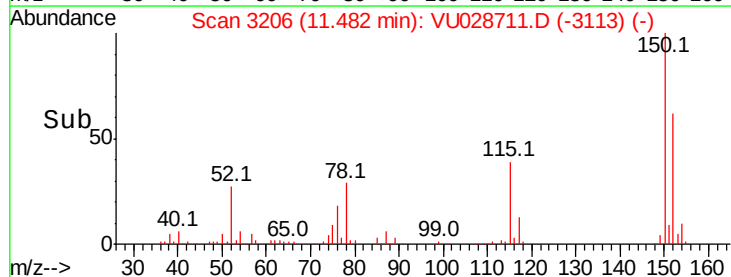
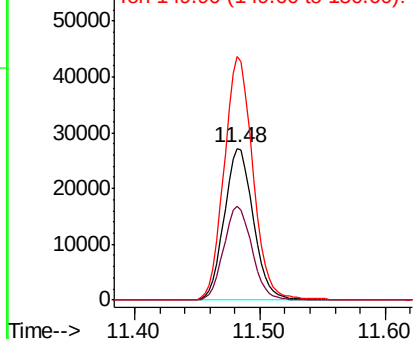


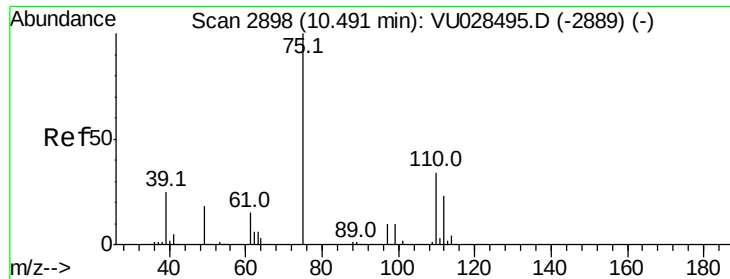
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028711.D
Acq: 17 Dec 2018 11:16

Tgt Ion:152 Resp: 43863
Ion Ratio Lower Upper
152 100
115 60.1 42.7 128.1
150 158.2 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: 25.052 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028711.D

Acq: 17 Dec 2018 11:16

Instrument :

MSVOA_U

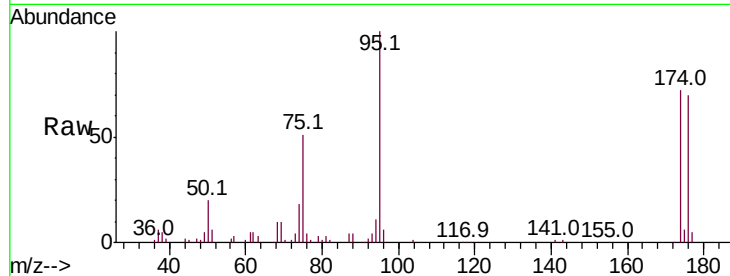
ClientSampleId :

Tot Ion: 75 Resp: 28060

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

20000

15000

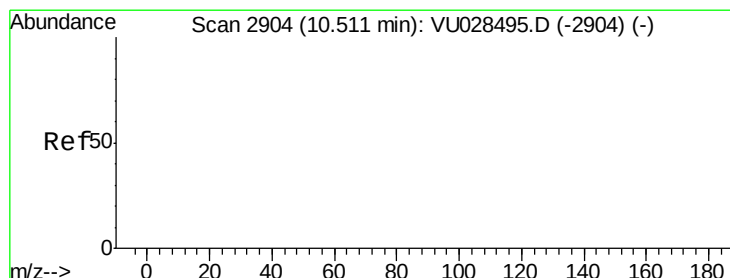
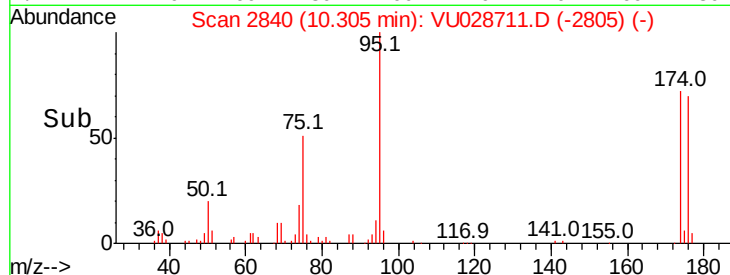
10000

5000

0

10.25 10.30 10.35

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.474 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028711.D

Acq: 17 Dec 2018 11:16

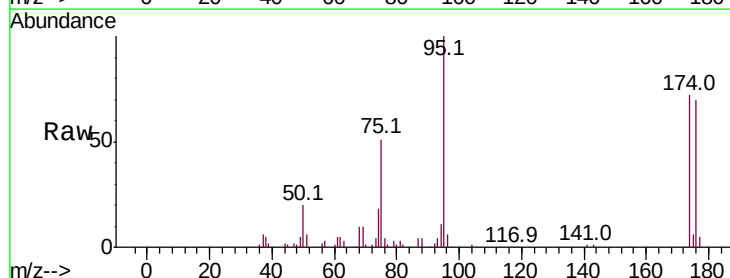
Tgt Ion: 75 Resp: 28060

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

20000

15000

10000

5000

0

10.25 10.30 10.35

Time-->

