

Data File : VU025894.D
Acq On : 06 Aug 2018 18:28
Operator : MD/SY
Sample : J4287-01RE
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A4742RE

Quant Time: Aug 07 00:58:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 00:49:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	176590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	284963	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	163674	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	143684	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
35) Dibromofluoromethane	4.89	113	120739	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	7.57	98	418254	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	10.31	95	156821	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	

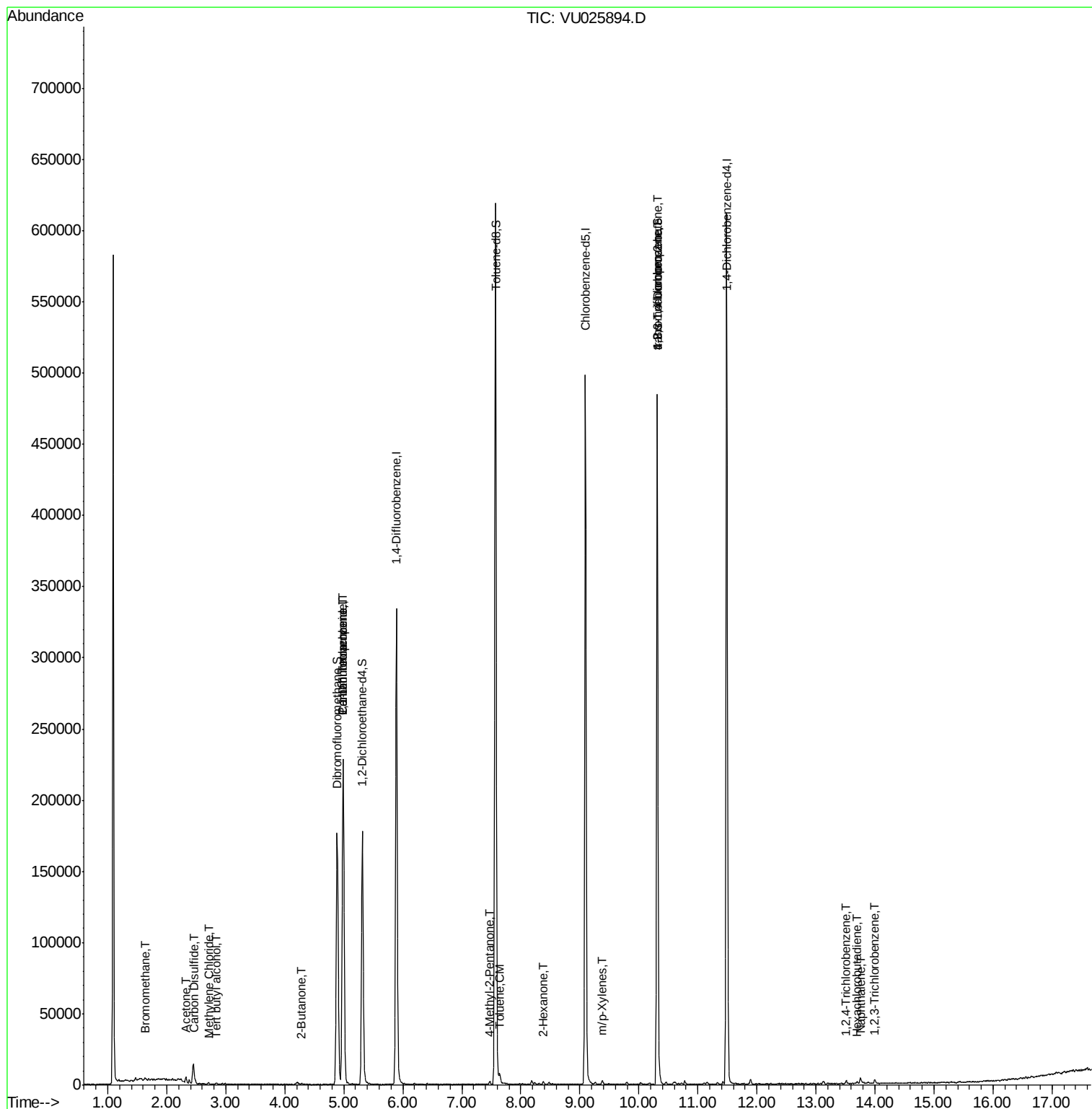
Target Compounds			Qvalue			
5) Bromomethane	1.64	94	261	0.223 ug/l #	64	
11) Tert butyl alcohol	2.83	59	530	0.880 ug/l #	73	
13) Acrolein	2.21	56	224	Below Cal #	1	
16) Acetone	2.33	43	4503	3.357 ug/l	100	
17) Carbon Disulfide	2.48	76	2495	0.407 ug/l	99	
20) Methylene Chloride	2.71	84	636	0.268 ug/l #	66	
25) 2-Butanone	4.29	43	1111	0.608 ug/l #	49	
31) Cyclohexane	4.99	56	3602	Below Cal #	1	
36) 1,1-Dichloropropene	4.99	75	12820	3.850 ug/l #	50	
38) Carbon Tetrachloride	4.99	117	16068	4.260 ug/l #	17	
51) 4-Methyl-2-Pentanone	7.47	43	1898	0.531 ug/l #	55	
52) Toluene	7.64	92	2038	0.337 ug/l	80	
59) 2-Hexanone	8.37	43	1633	0.583 ug/l	94	
68) m/p-Xylenes	9.38	106	991	0.216 ug/l	94	
76) 1,2,3-Trichloropropane	10.31	75	83480	23.149 ug/l #	36	
81) trans-1,4-Dichloro-2-buten	10.31	75	83480	58.045 ug/l #	100	
93) 1,2,4-Trichlorobenzene	13.51	180	1247	0.330 ug/l	92	
94) Hexachlorobutadiene	13.70	225	549	0.275 ug/l	71	
95) Naphthalene	13.75	128	5157	1.664 ug/l #	92	
96) 1,2,3-Trichlorobenzene	13.99	180	1355	0.359 ug/l	95	

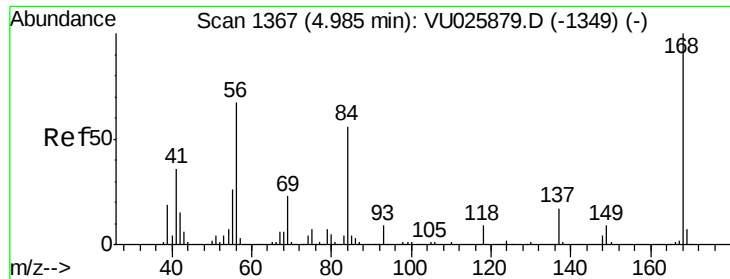
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025894.D

Acq: 06 Aug 2018 18:28

Instrument :

MSVOA_U

ClientSampleId :

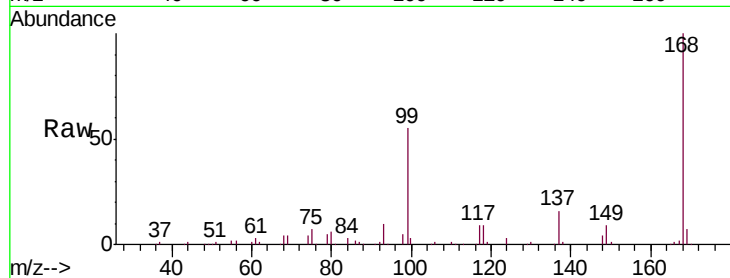
A4742RE

Tgt Ion:168 Resp: 176590

Ion Ratio Lower Upper

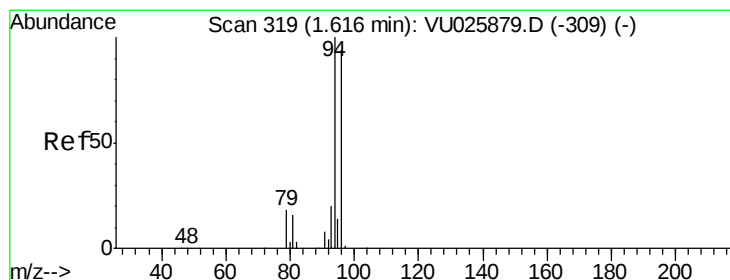
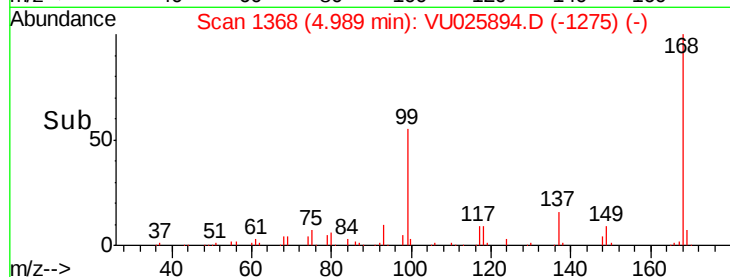
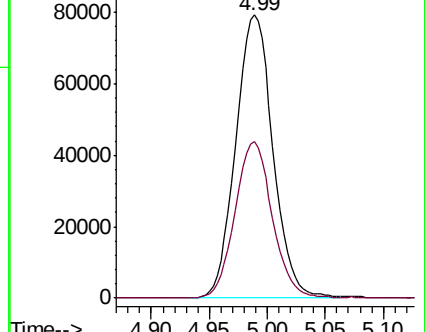
168 100

99 55.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025879.D (-1349) (-)



#5

Bromomethane

Concen: 0.223 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.02 min

Lab File: VU025894.D

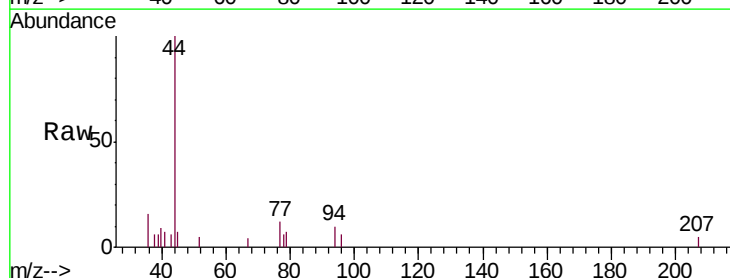
Acq: 06 Aug 2018 18:28

Tgt Ion: 94 Resp: 261

Ion Ratio Lower Upper

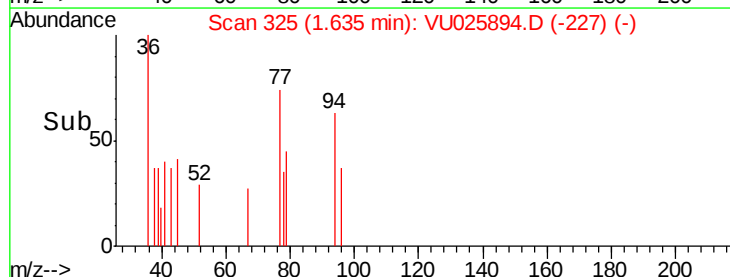
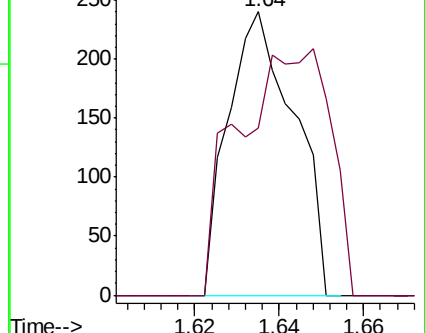
94 100

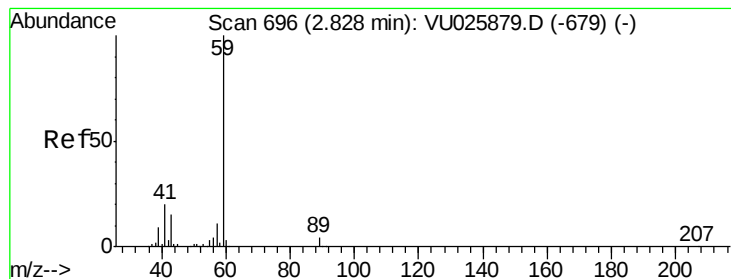
96 59.2 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VU025879.D (-309) (-)

Ion 95.90 (95.60 to 96.60): VU025879.D (-309) (-)



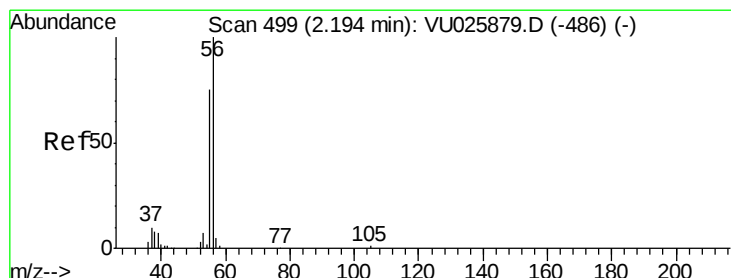
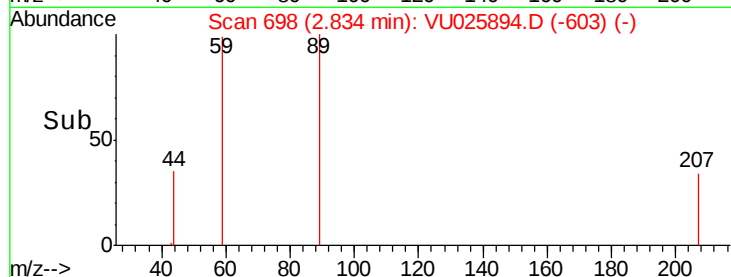
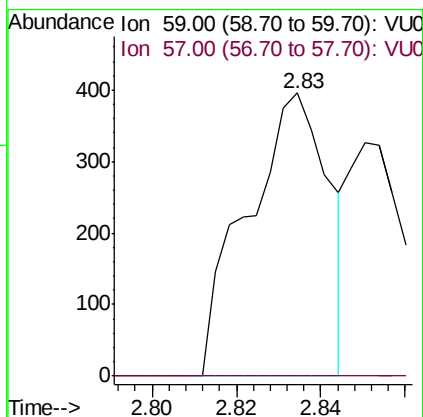
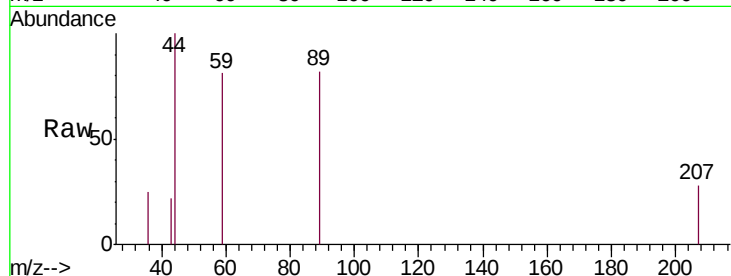


#11

Tert butyl alcohol
 Concen: 0.880 ug/l
 RT: 2.83 min Scan# 698
 Delta R.T. 0.01 min
 Lab File: VU025894.D
 Acq: 06 Aug 2018 18:28

Instrument :
 MSVOA_U
 ClientSampled :
 A4742RE

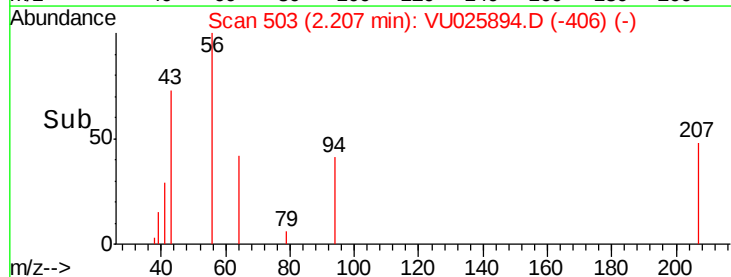
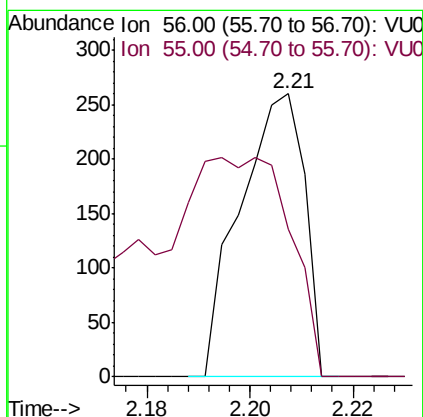
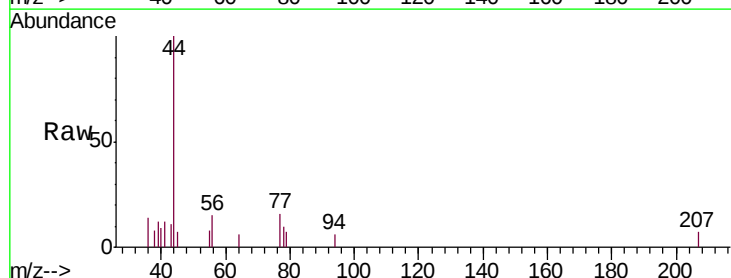
Tgt Ion: 59 Resp: 530
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

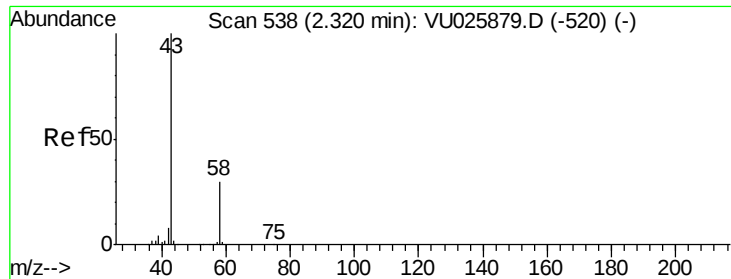


#13

Acrolein
 Concen: Below Cal
 RT: 2.21 min Scan# 503
 Delta R.T. 0.01 min
 Lab File: VU025894.D
 Acq: 06 Aug 2018 18:28

Tgt Ion: 56 Resp: 224
 Ion Ratio Lower Upper
 56 100
 55 178.6 57.2 85.8#





#16

Acetone

Concen: 3.357 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025894.D

Acq: 06 Aug 2018 18:28

Instrument :

MSVOA_U

ClientSampleId :

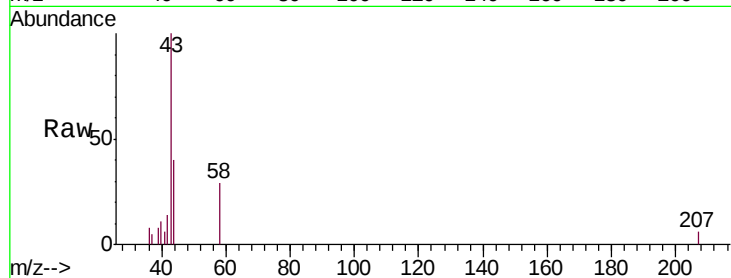
A4742RE

Tgt Ion: 43 Resp: 4503

Ion Ratio Lower Upper

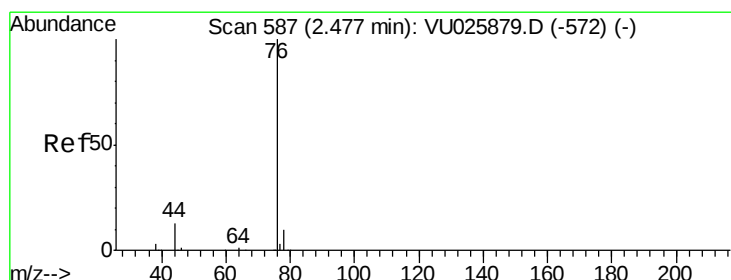
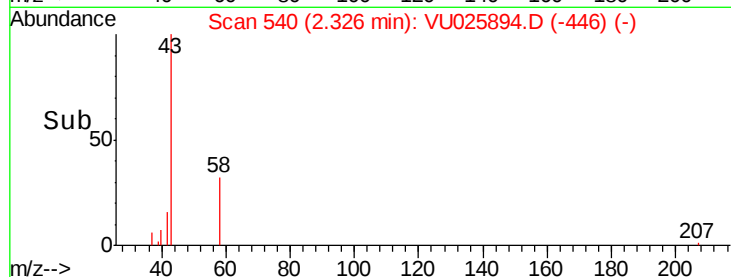
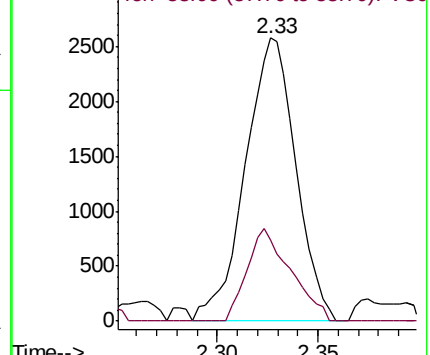
43 100

58 28.8 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 0.407 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025894.D

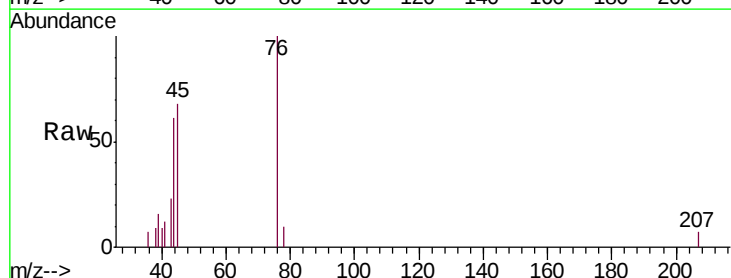
Acq: 06 Aug 2018 18:28

Tgt Ion: 76 Resp: 2495

Ion Ratio Lower Upper

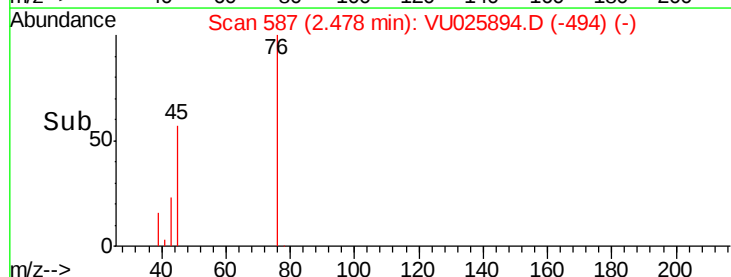
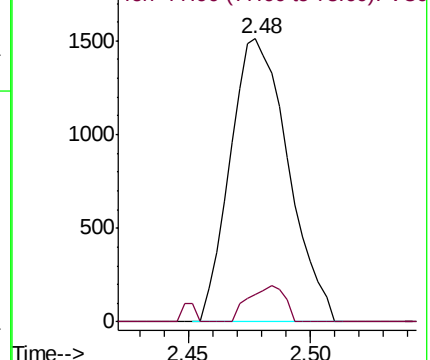
76 100

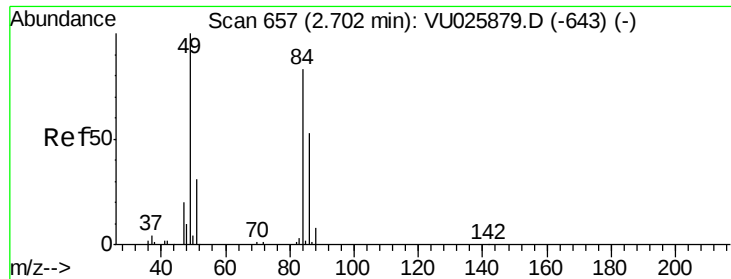
78 9.5 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

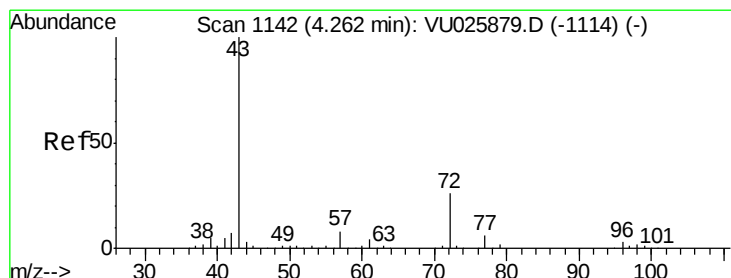
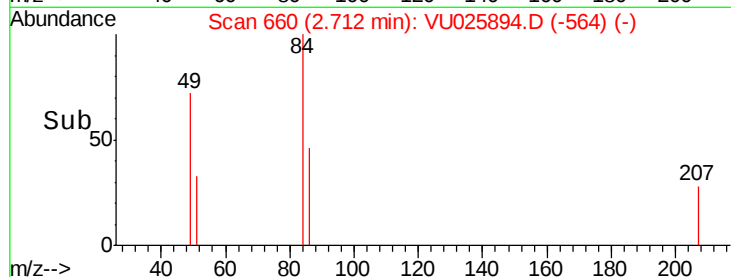
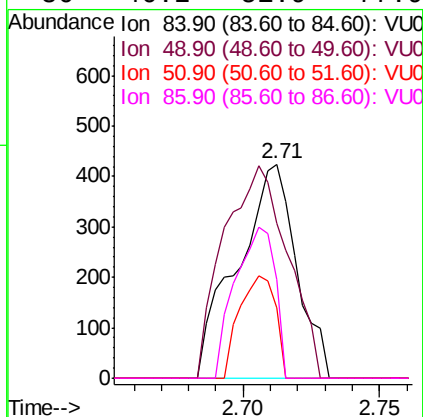
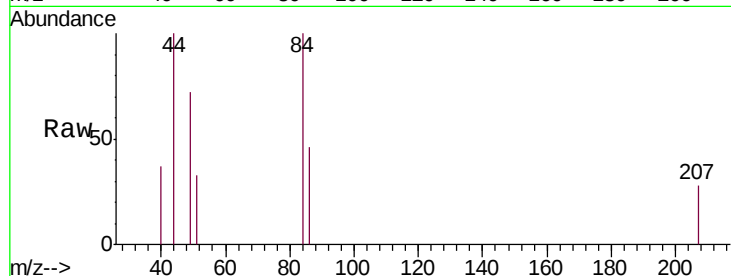




#20
Methylene Chloride
Concen: 0.268 ug/l
RT: 2.71 min Scan# 660
Delta R.T. 0.01 min
Lab File: VU025894.D
Acq: 06 Aug 2018 18:28

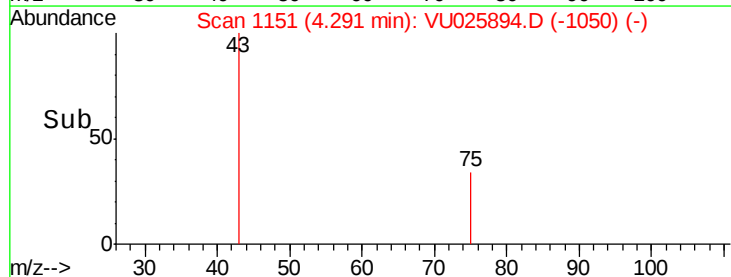
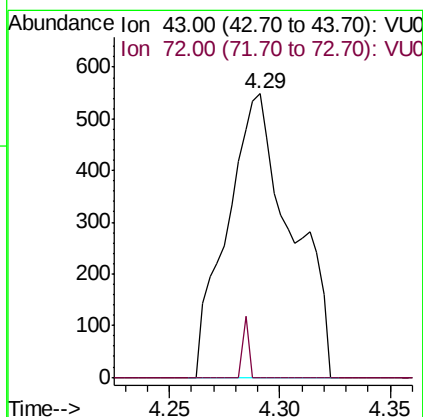
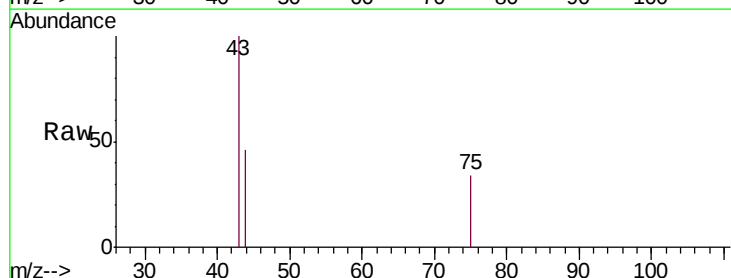
Instrument :
MSVOA_U
ClientSampleId :
A4742RE

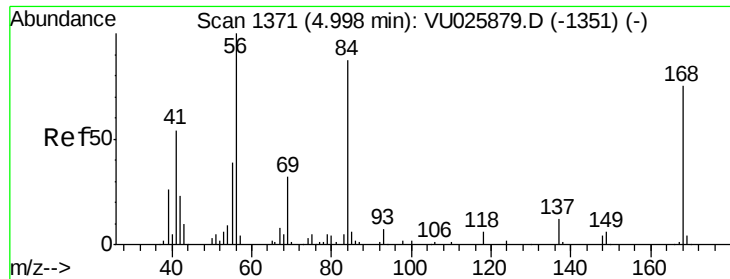
Tgt Ion: 84 Resp: 636
Ion Ratio Lower Upper
84 100
49 72.4 101.8 152.6#
51 33.0 30.8 46.2
86 46.2 51.9 77.9#



#25
2-Butanone
Concen: 0.608 ug/l
RT: 4.29 min Scan# 1151
Delta R.T. 0.03 min
Lab File: VU025894.D
Acq: 06 Aug 2018 18:28

Tgt Ion: 43 Resp: 1111
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#

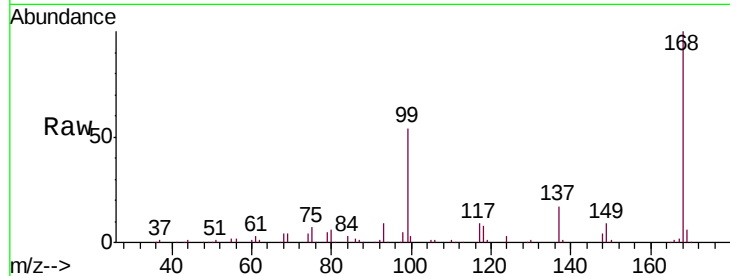




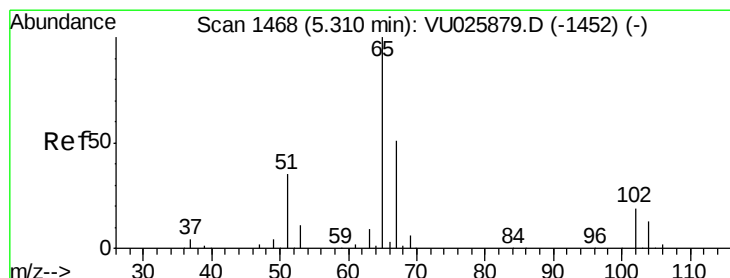
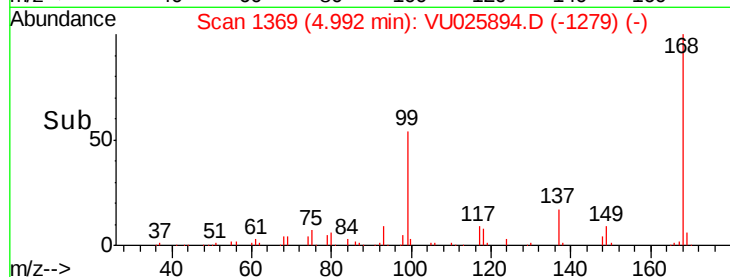
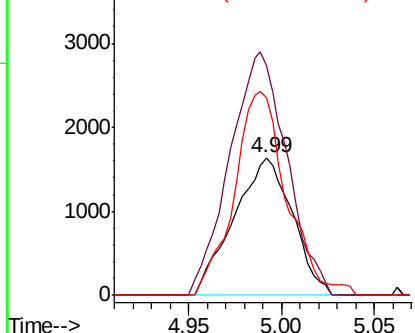
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU025894.D
Acq: 06 Aug 2018 18:28

Instrument :
MSVOA_U
ClientSampleId :
A4742RE

Tgt Ion: 56 Resp: 3602
Ion Ratio Lower Upper
56 100
69 166.8 26.8 40.2#
84 143.2 69.7 104.5#

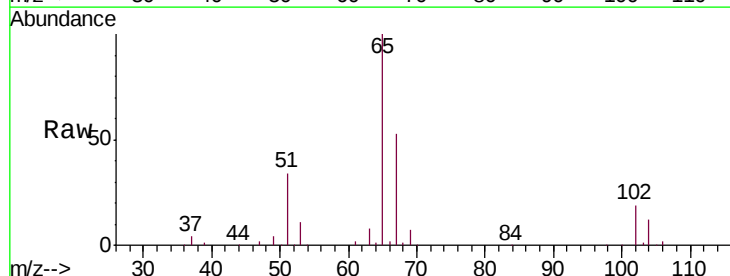


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

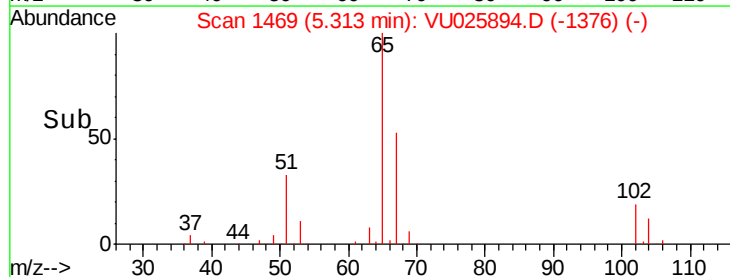
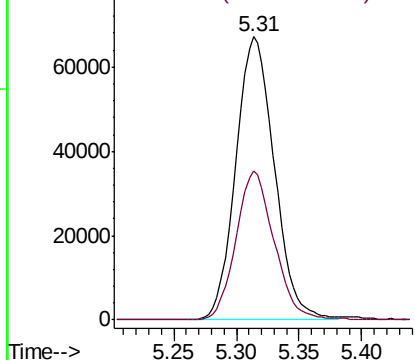


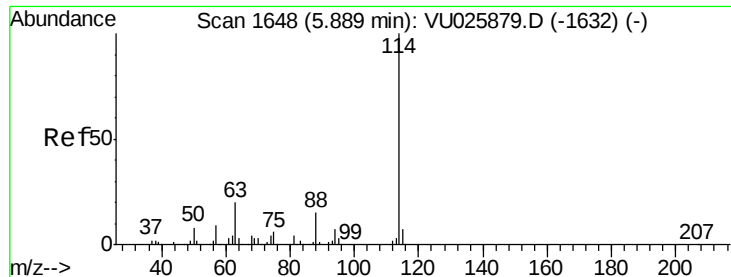
#33
1,2-Dichloroethane-d4
Concen: 52.221 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025894.D
Acq: 06 Aug 2018 18:28

Tgt Ion: 65 Resp: 143684
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.6



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

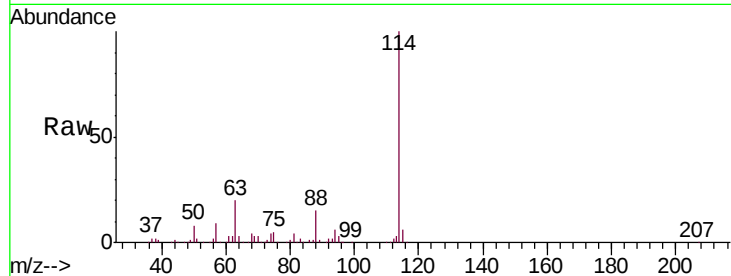




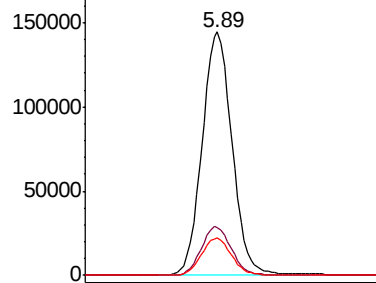
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025894.D
 Acq: 06 Aug 2018 18:28

Instrument :
 MSVOA_U
 ClientSampleId :
 A4742RE

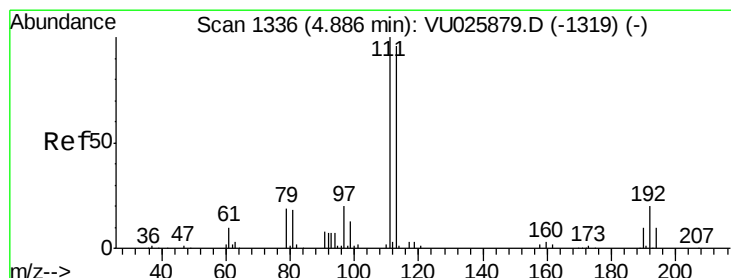
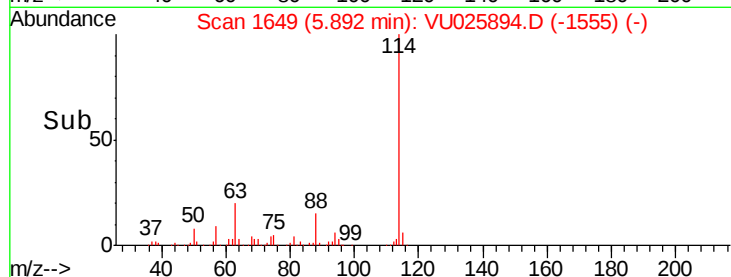
Tgt Ion:	114	Resp:	284963
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.6
88	15.3	0.0	32.4



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

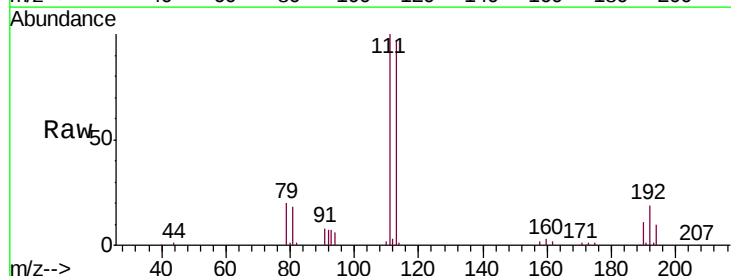


Time-->

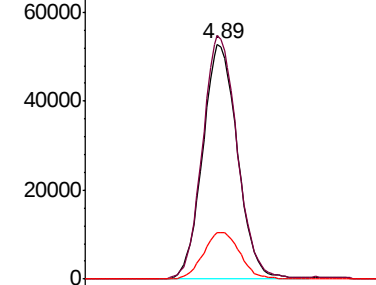


#35
 Dibromofluoromethane
 Concen: 48.715 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025894.D
 Acq: 06 Aug 2018 18:28

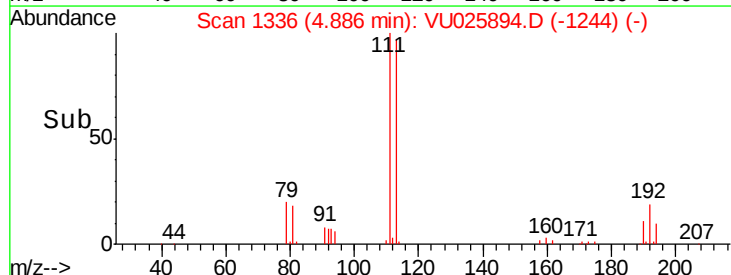
Tgt Ion:	113	Resp:	120739
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.7	122.5
192	20.9	17.1	25.7

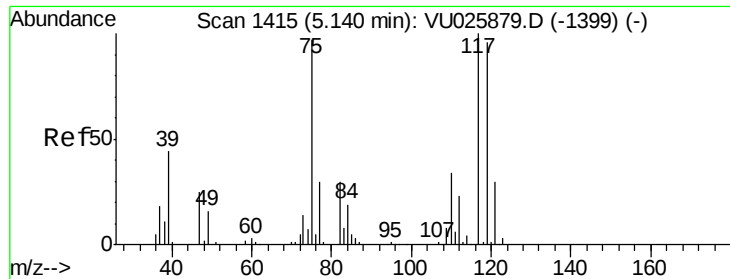


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->

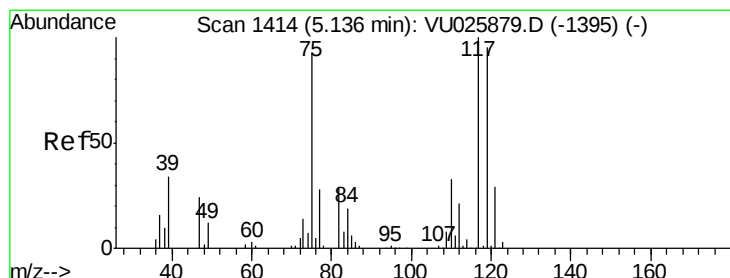
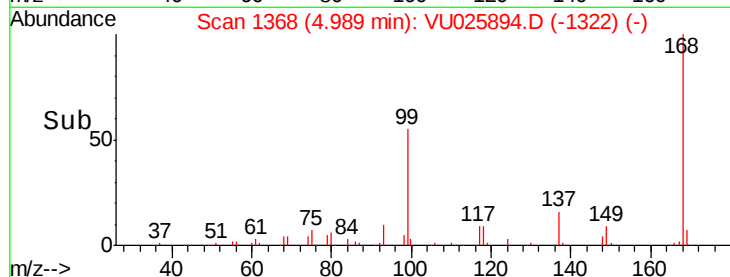
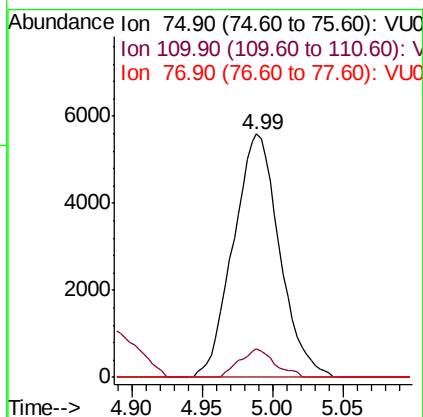
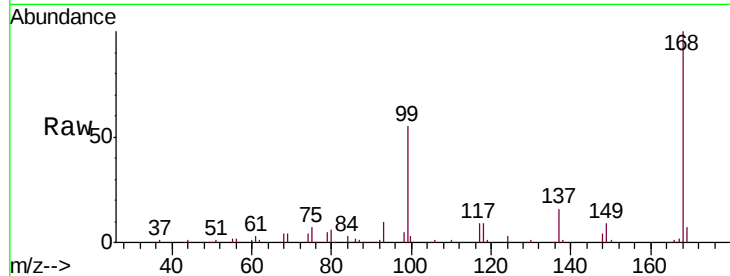




#36
 1,1-Dichloropropene
 Concen: 3.850 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025894.D
 Acq: 06 Aug 2018 18:28

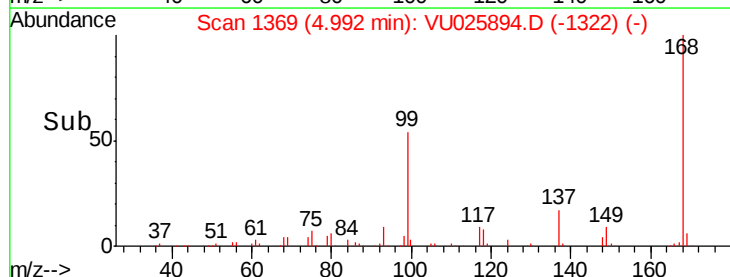
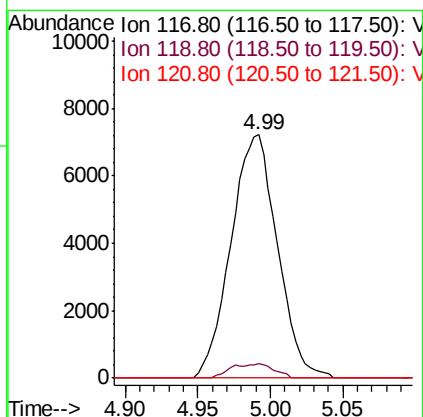
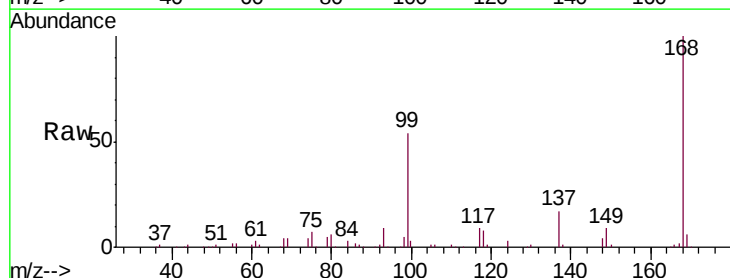
Instrument :
 MSVOA_U
 ClientSampled :
 A4742RE

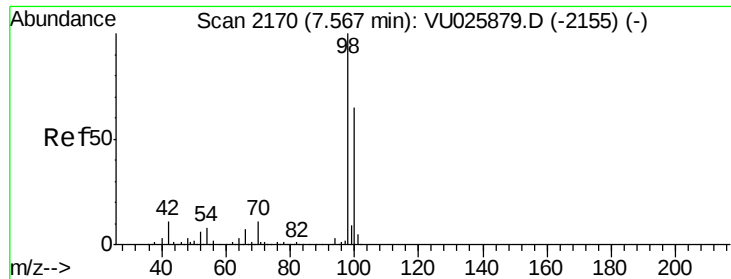
Tgt Ion: 75 Resp: 12820
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.6 52.9#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.260 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.15 min
 Lab File: VU025894.D
 Acq: 06 Aug 2018 18:28

Tgt Ion: 117 Resp: 16068
 Ion Ratio Lower Upper
 117 100
 119 5.8 75.7 113.5#
 121 0.0 24.6 36.8#

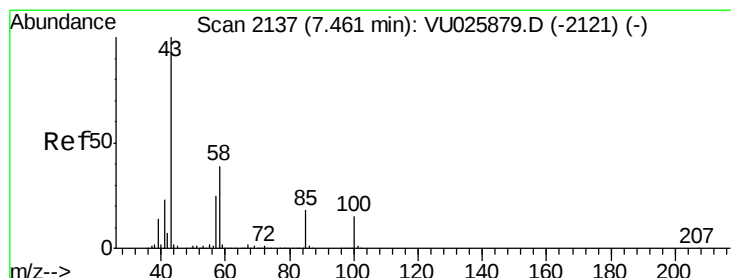
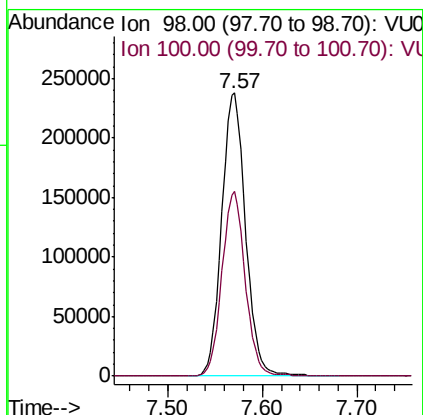
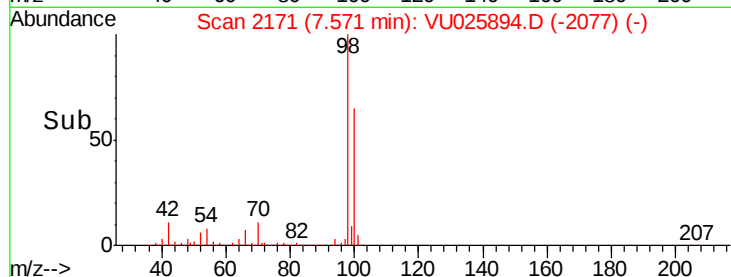
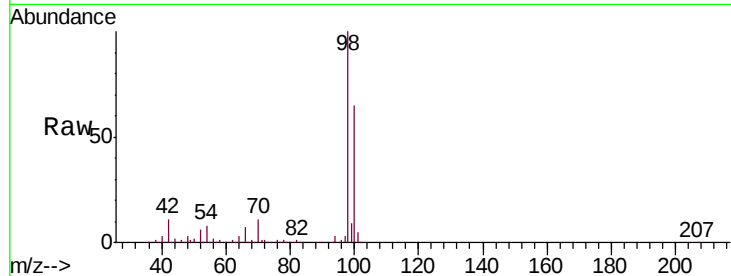




#50
Toluene-d8
Concen: 48.225 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025894.D
Acq: 06 Aug 2018 18:28

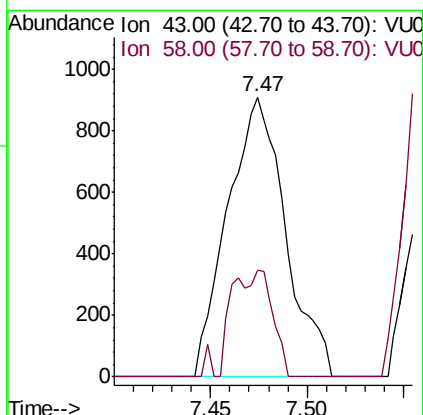
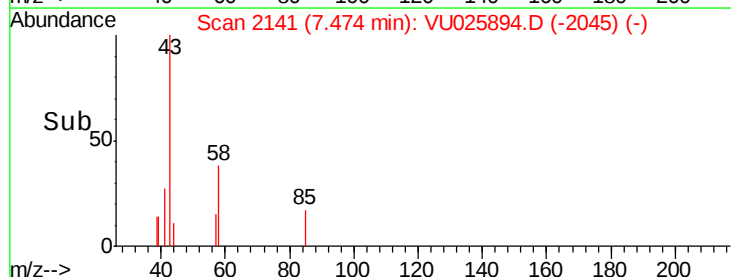
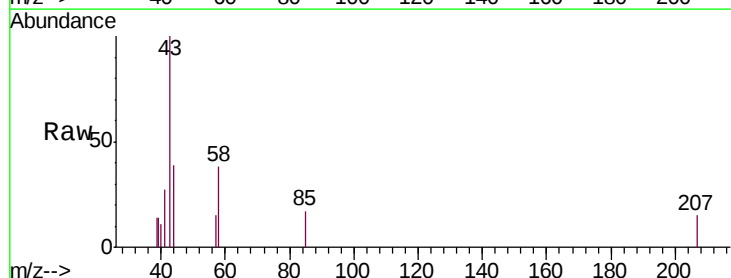
Instrument :
MSVOA_U
ClientSampleId :
A4742RE

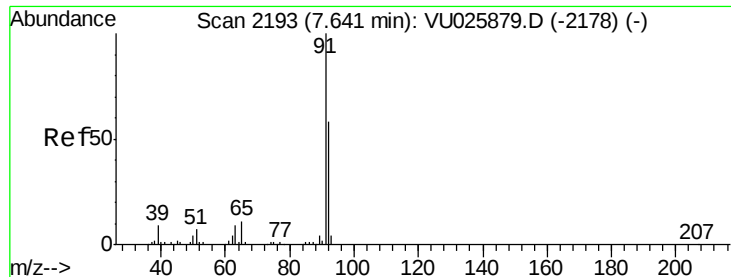
Tgt Ion: 98 Resp: 418254
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.531 ug/l
RT: 7.47 min Scan# 2141
Delta R.T. 0.01 min
Lab File: VU025894.D
Acq: 06 Aug 2018 18:28

Tgt Ion: 43 Resp: 1898
Ion Ratio Lower Upper
43 100
58 11.2 31.0 46.4#





#52

Toluene

Concen: 0.337 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025894.D

Acq: 06 Aug 2018 18:28

Instrument :

MSVOA_U

ClientSampleId :

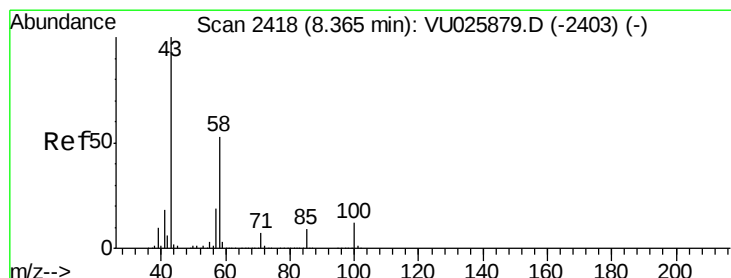
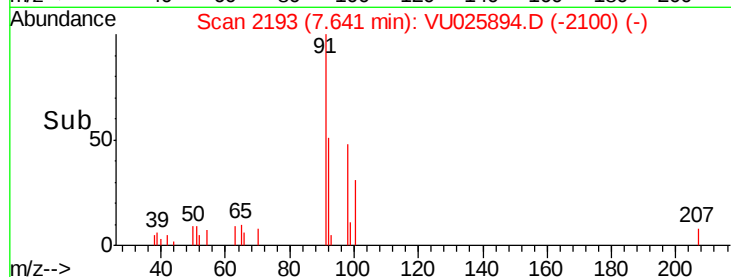
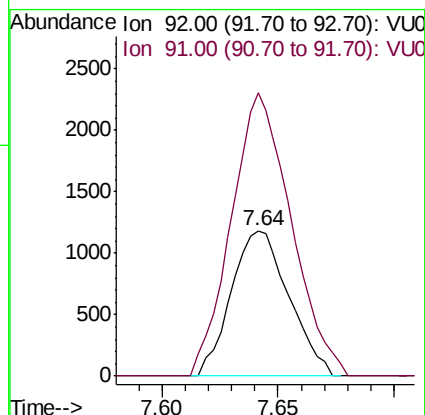
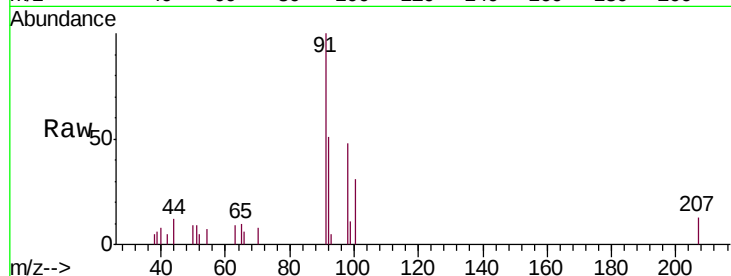
A4742RE

Tgt Ion: 92 Resp: 2038

Ion Ratio Lower Upper

92 100

91 202.2 139.2 208.8



#59

2-Hexanone

Concen: 0.583 ug/l

RT: 8.37 min Scan# 2421

Delta R.T. 0.01 min

Lab File: VU025894.D

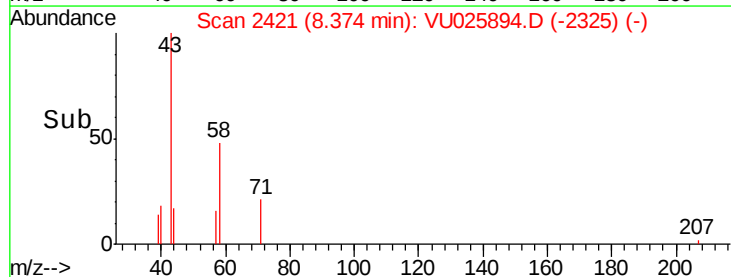
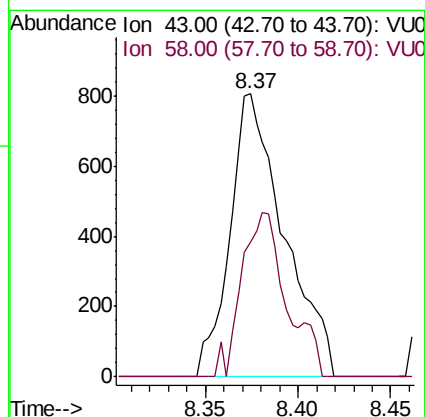
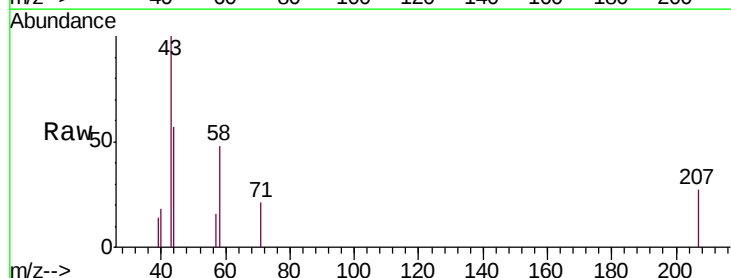
Acq: 06 Aug 2018 18:28

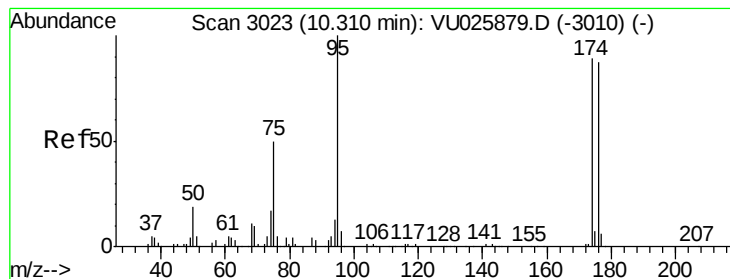
Tgt Ion: 43 Resp: 1633

Ion Ratio Lower Upper

43 100

58 48.3 26.2 78.5





#62

4-Bromofluorobenzene

Concen: 46.585 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025894.D

Acq: 06 Aug 2018 18:28

Instrument :

MSVOA_U

ClientSampleId :

A4742RE

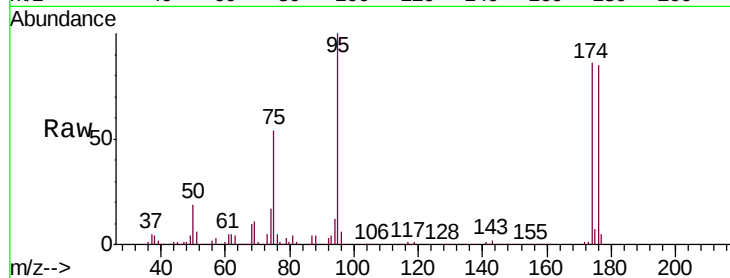
Tgt Ion: 95 Resp: 156821

Ion Ratio Lower Upper

95 100

174 87.6 0.0 172.2

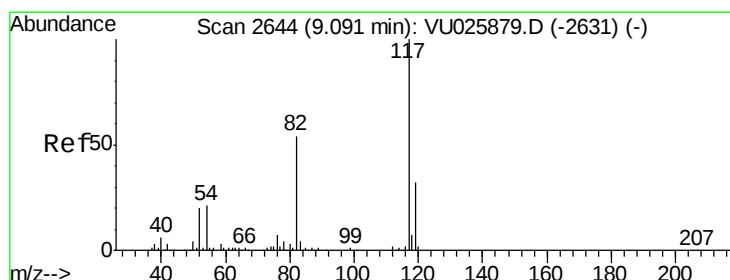
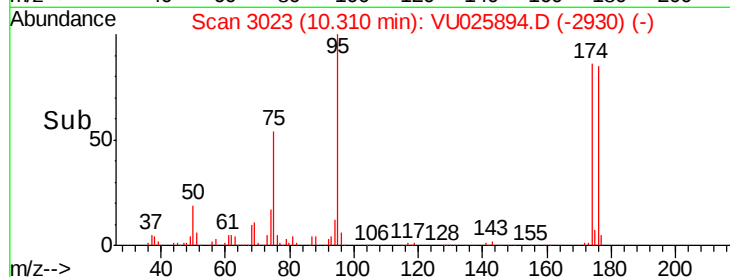
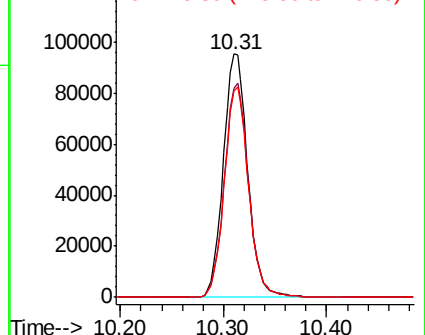
176 85.7 0.0 162.6



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# 2645

Delta R.T. 0.00 min

Lab File: VU025894.D

Acq: 06 Aug 2018 18:28

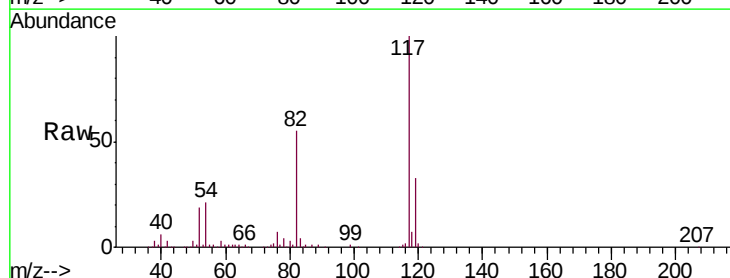
Tgt Ion: 117 Resp: 280049

Ion Ratio Lower Upper

117 100

82 54.8 46.0 69.0

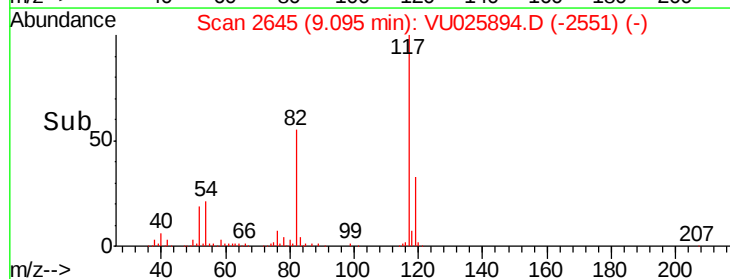
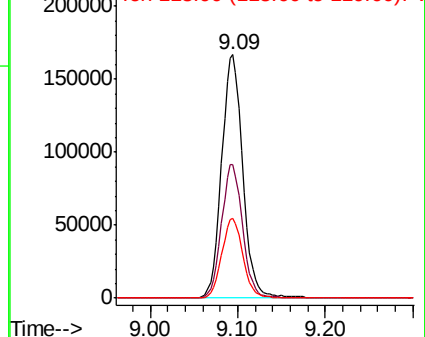
119 33.0 26.0 39.0

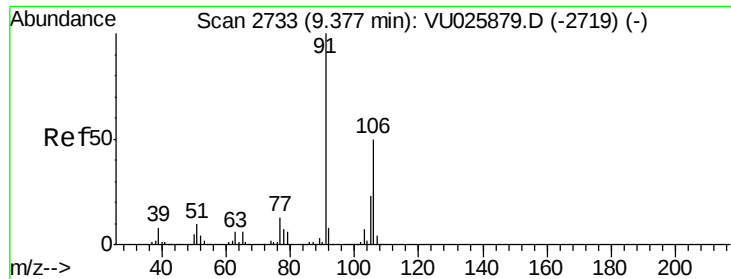


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

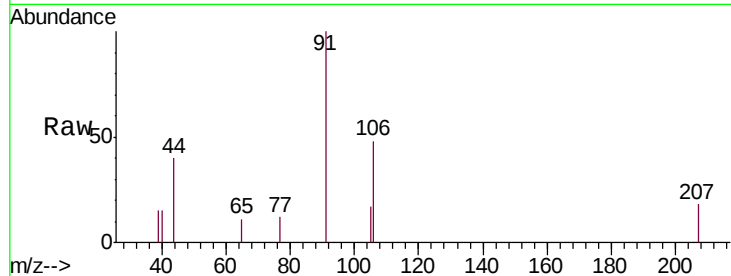




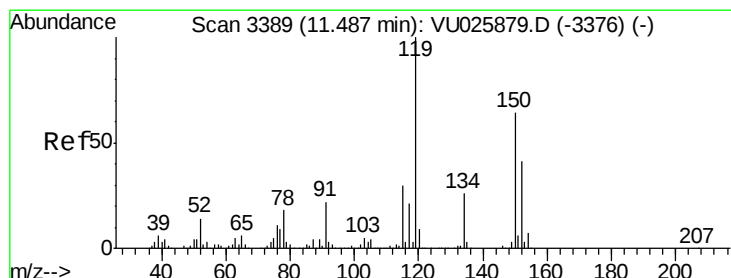
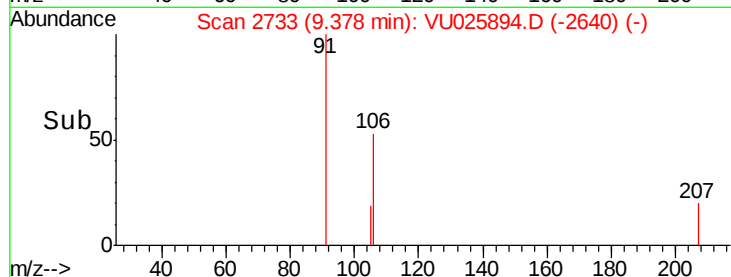
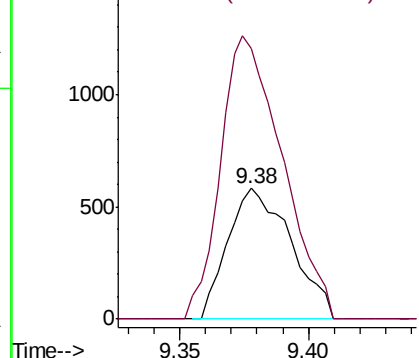
#68
m/p-Xylenes
Concen: 0.216 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025894.D
Acq: 06 Aug 2018 18:28

Instrument :
MSVOA_U
ClientSampled :
A4742RE

Tgt Ion:106 Resp: 991
Ion Ratio Lower Upper
106 100
91 211.6 162.3 243.5

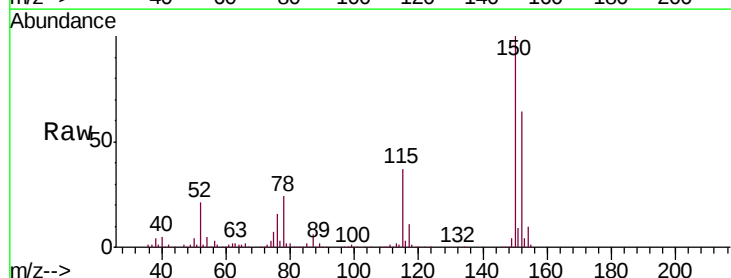


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

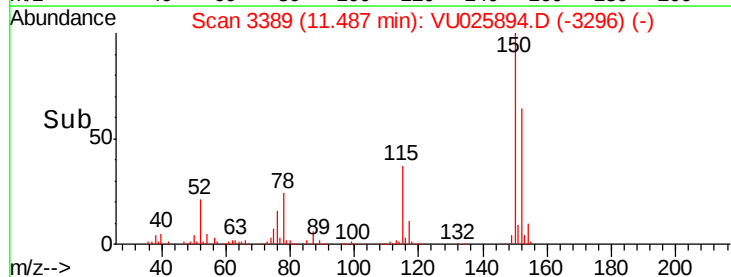
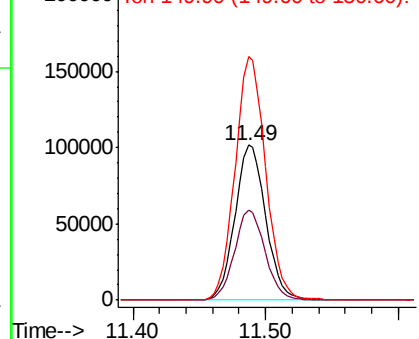


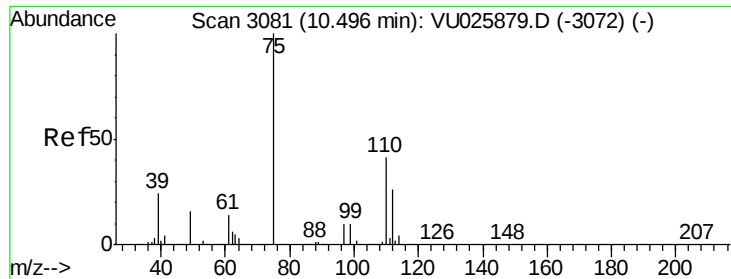
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025894.D
Acq: 06 Aug 2018 18:28

Tgt Ion:152 Resp: 163674
Ion Ratio Lower Upper
152 100
115 57.7 40.1 120.3
150 156.1 0.0 351.4



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: 23.149 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025894.D

Acq: 06 Aug 2018 18:28

Instrument :

MSVOA_U

ClientSampleId :

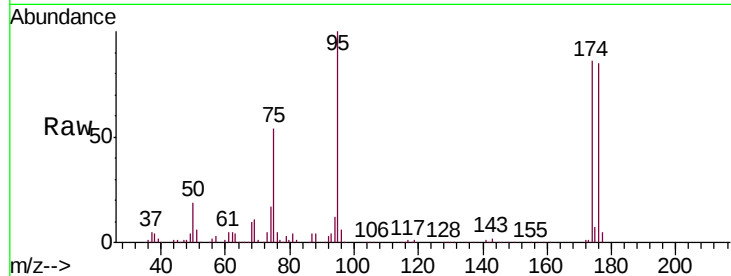
A4742RE

Tgt Ion: 75 Resp: 83480

Ion Ratio Lower Upper

75 100

77 1.0 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

60000

50000

40000

30000

20000

10000

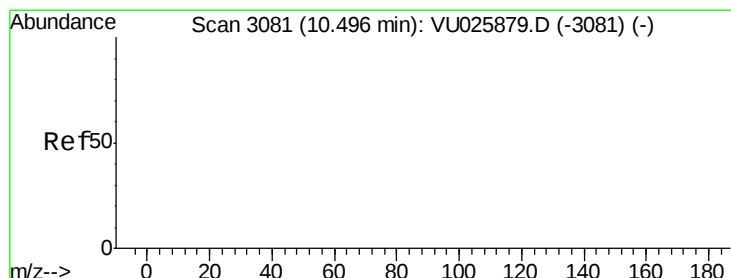
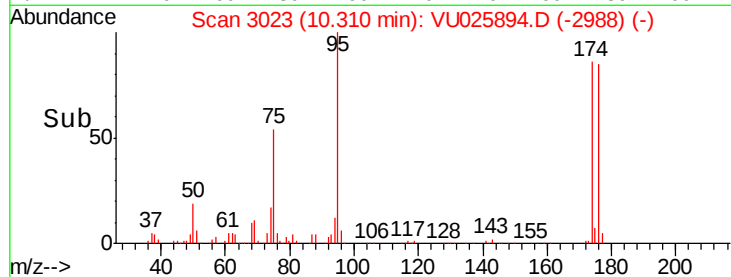
0

10.31

10.30

10.40

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 58.045 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025894.D

Acq: 06 Aug 2018 18:28

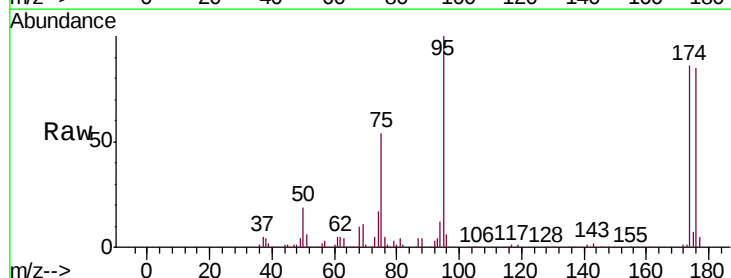
Tgt Ion: 75 Resp: 83480

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

60000

50000

40000

30000

20000

10000

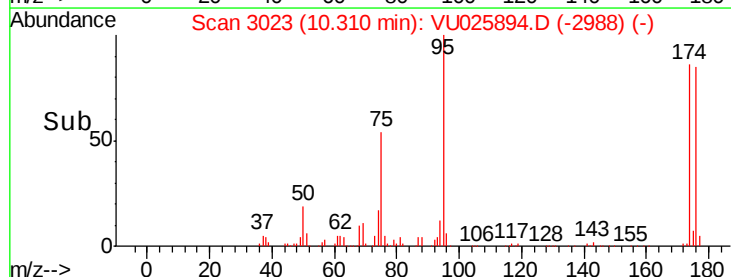
0

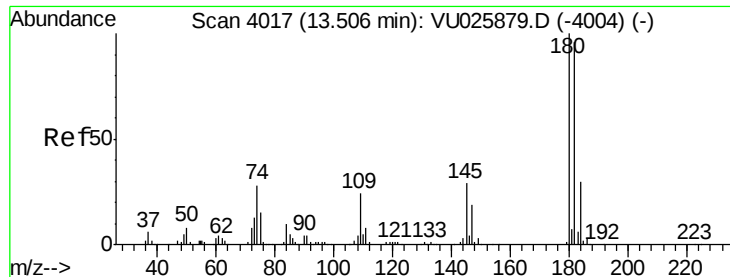
10.31

10.30

10.40

Time-->

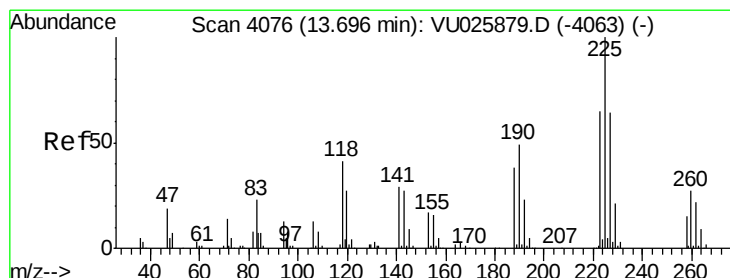
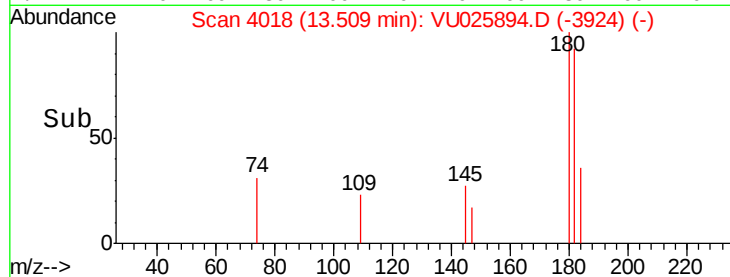
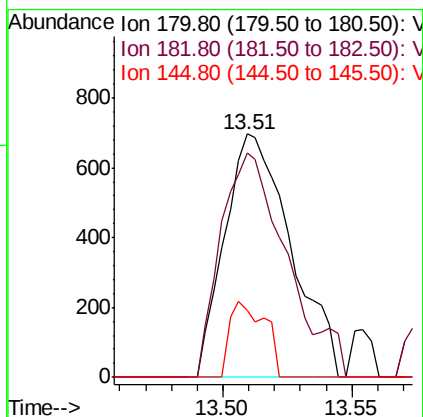
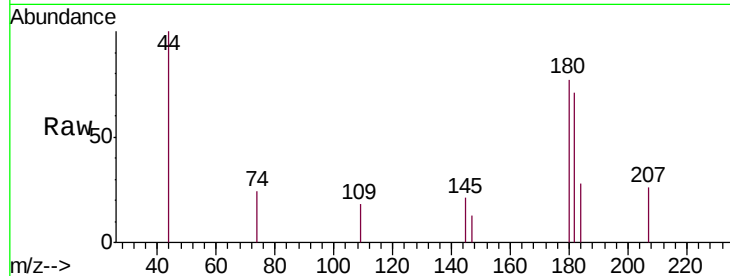




#93
 1,2,4-Trichlorobenzene
 Concen: 0.330 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025894.D
 Acq: 06 Aug 2018 18:28

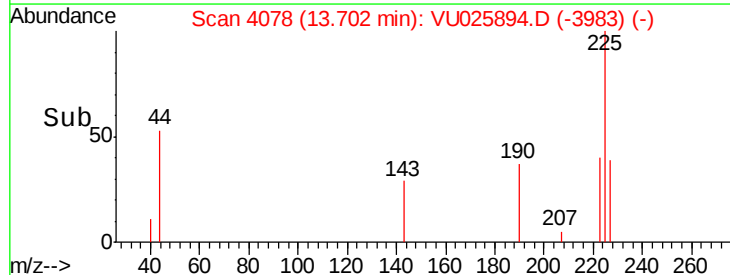
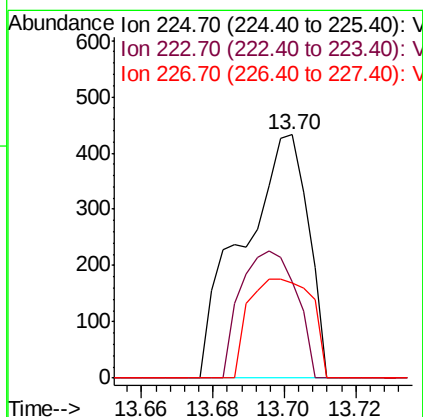
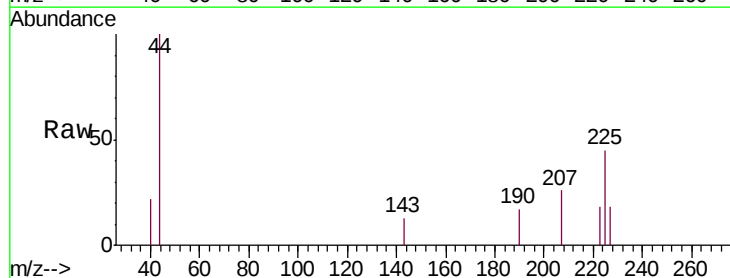
Instrument :
 MSVOA_U
 ClientSampleId :
 A4742RE

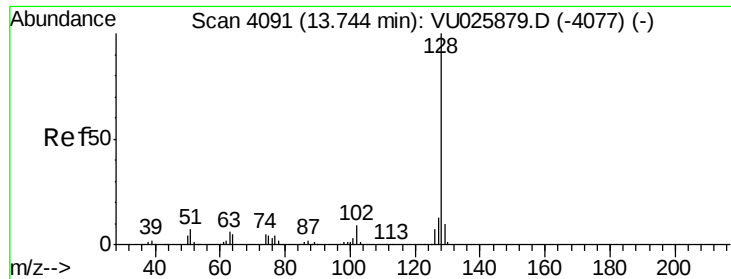
Tgt Ion:180 Resp: 1247
 Ion Ratio Lower Upper
 180 100
 182 92.2 47.3 141.9
 145 16.5 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 0.275 ug/l
 RT: 13.70 min Scan# 4078
 Delta R.T. 0.01 min
 Lab File: VU025894.D
 Acq: 06 Aug 2018 18:28

Tgt Ion:225 Resp: 549
 Ion Ratio Lower Upper
 225 100
 223 44.4 31.9 95.7
 227 39.0 32.3 96.9





#95

Naphthalene

Concen: 1.664 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU025894.D

Acq: 06 Aug 2018 18:28

Instrument :

MSVOA_U

ClientSampleId :

A4742RE

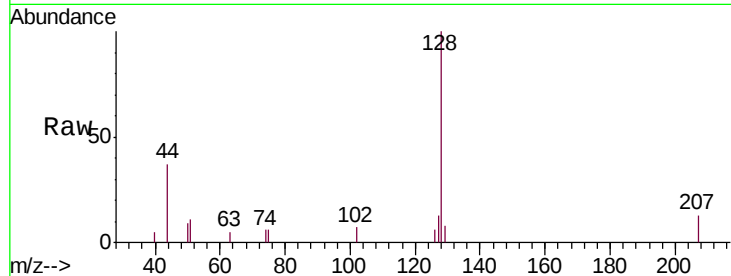
Tgt Ion:128 Resp: 5157

Ion Ratio Lower Upper

128 100

127 10.1 10.5 15.7#

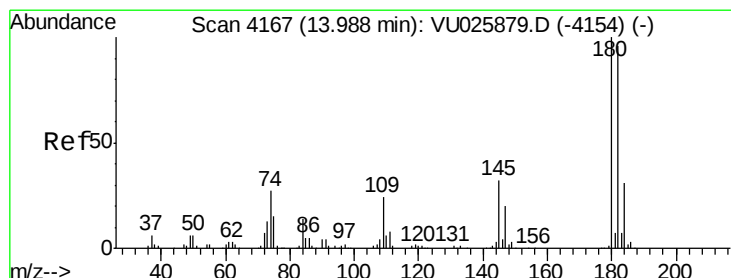
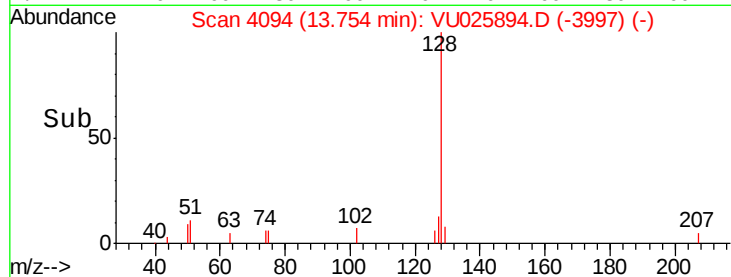
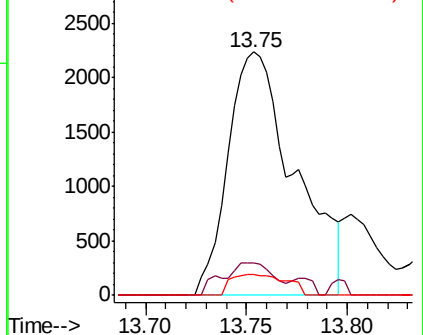
129 7.2 8.3 12.5#



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: 0.359 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025894.D

Acq: 06 Aug 2018 18:28

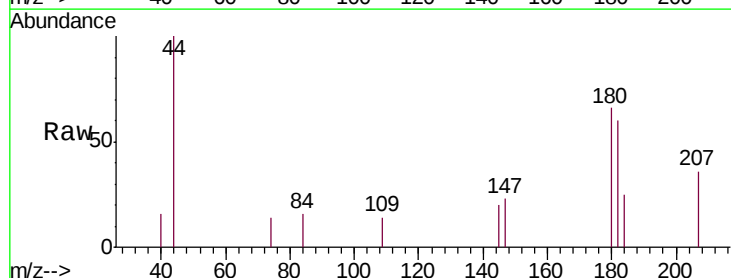
Tgt Ion:180 Resp: 1355

Ion Ratio Lower Upper

180 100

182 96.0 47.8 143.3

145 21.8 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

