

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025697.D
 Acq On : 28 Jul 2018 03:02
 Operator : MD/SY
 Sample : J4073-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE108D1-071718

Quant Time: Jul 28 05:32:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	172152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	267315	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	261868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157869	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	134360	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
35) Dibromofluoromethane	4.89	113	110208	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	7.57	98	385628	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
62) 4-Bromofluorobenzene	10.31	95	151538	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	

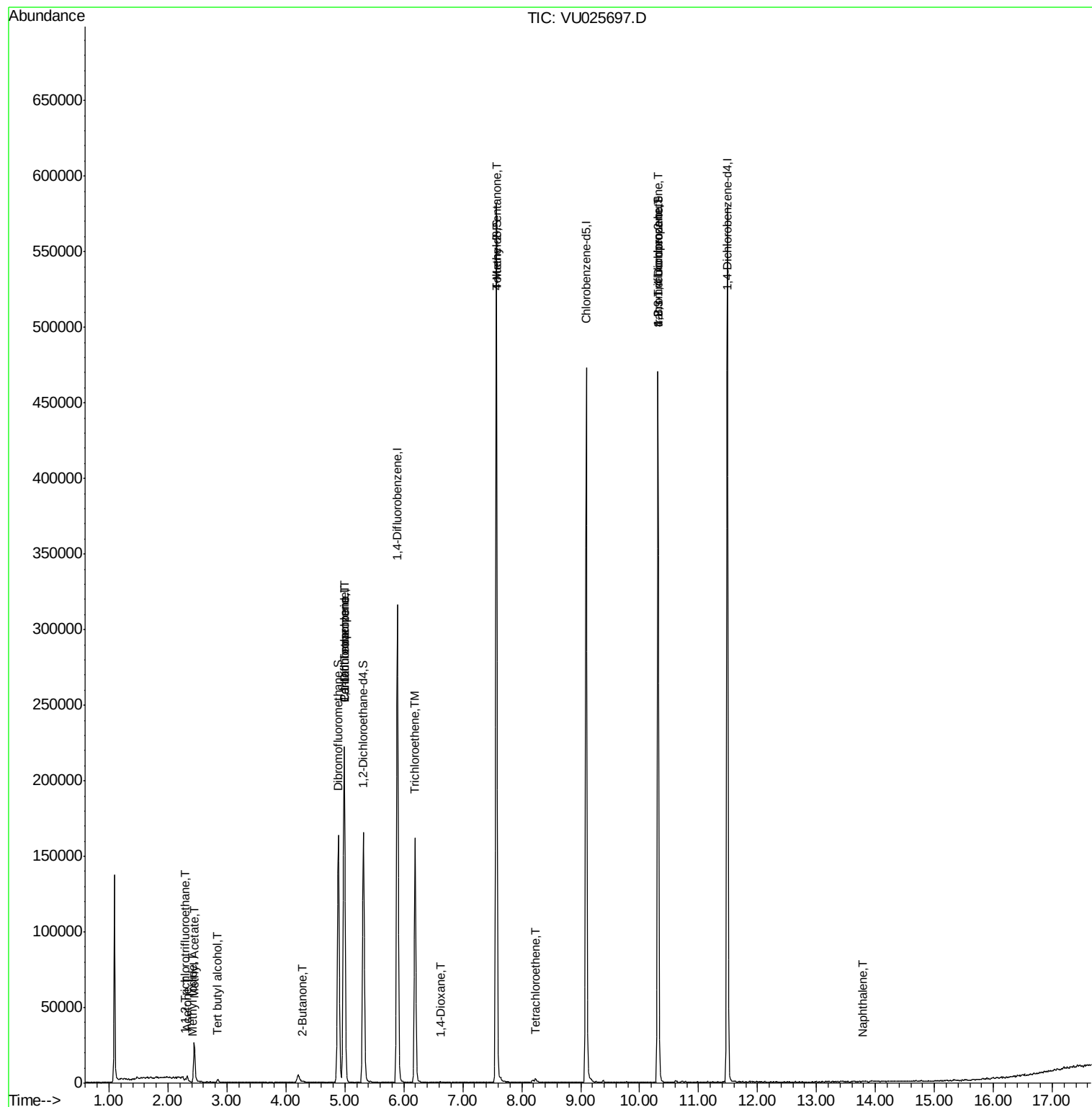
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.29	101	475	0.24	ug/l #	64
10) Methyl Iodide	2.41	142	19	8.60	ug/l #	39
11) Tert butyl alcohol	2.83	59	651	1.11	ug/l #	73
13) Acrolein	2.19	56	21	Below Cal	#	1
16) Acetone	2.32	43	3691	2.82	ug/l	90
18) Methyl Acetate	2.45	43	6968	2.21	ug/l #	52
25) 2-Butanone	4.28	43	465	0.26	ug/l #	49
31) Cyclohexane	4.99	56	3245	Below Cal	#	18
36) 1,1-Dichloropropene	4.99	75	12458	3.99	ug/l #	50
38) Carbon Tetrachloride	4.99	117	16387	4.63	ug/l #	18
44) Trichloroethene	6.19	130	56359	22.16	ug/l	99
49) 1,4-Dioxane	6.63	88	634	9.93	ug/l #	73
51) 4-Methyl-2-Pentanone	7.57	43	1493	0.45	ug/l #	1
64) Tetrachloroethene	8.23	164	633	0.27	ug/l	89
76) 1,2,3-Trichloropropane	10.31	75	78067	22.44	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	78067	56.28	ug/l #	100
95) Naphthalene	13.77	128	39	1.25	ug/l #	69

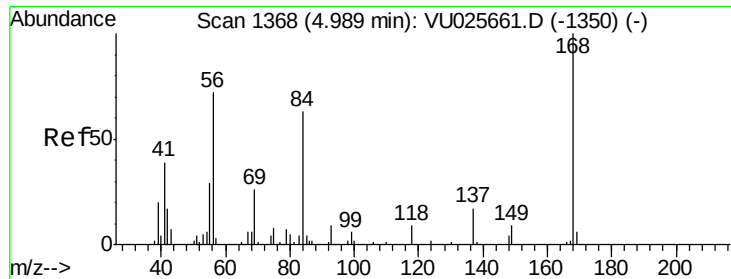
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
Data File : VU025697.D
Acq On : 28 Jul 2018 03:02
Operator : MD/SY
Sample : J4073-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RE108D1-071718

Quant Time: Jul 28 05:32:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025697.D

Acq: 28 Jul 2018 03:02

Instrument :

MSVOA_U

ClientSampleId :

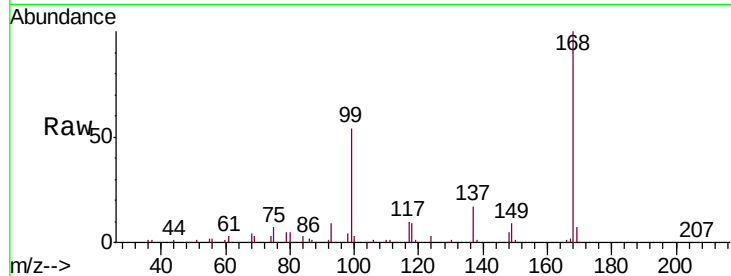
RE108D1-071718

Tot Ion:168 Resp: 172152

Ion Ratio Lower Upper

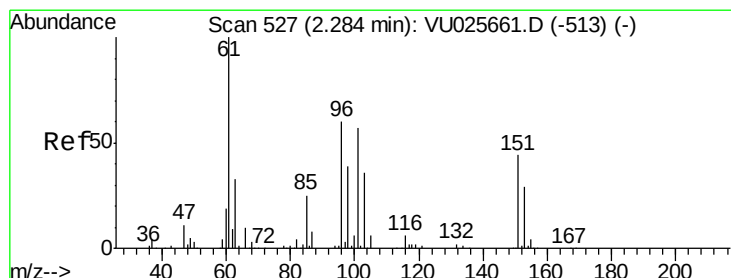
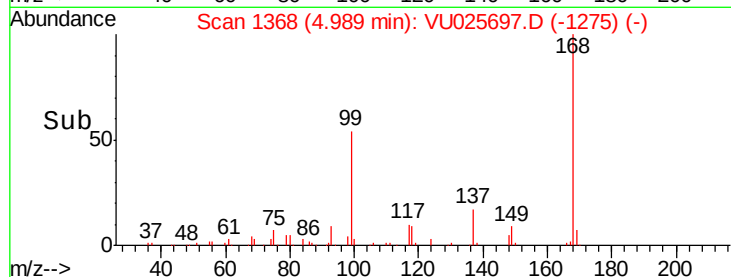
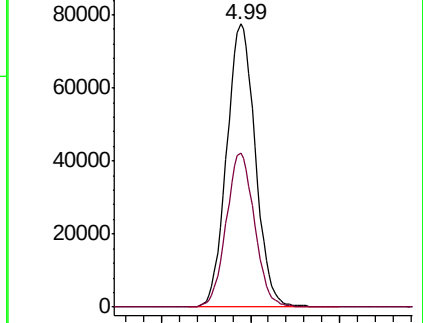
168 100

99 54.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.24 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.01 min

Lab File: VU025697.D

Acq: 28 Jul 2018 03:02

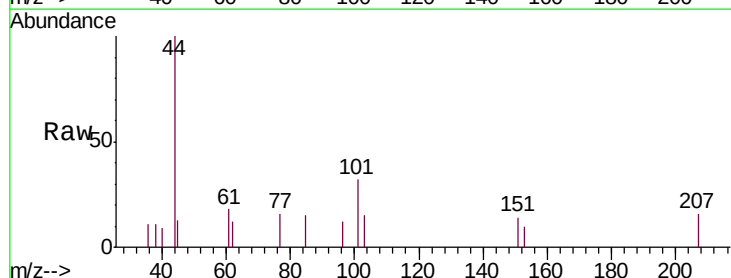
Tgt Ion:101 Resp: 475

Ion Ratio Lower Upper

101 100

85 17.7 36.0 54.0#

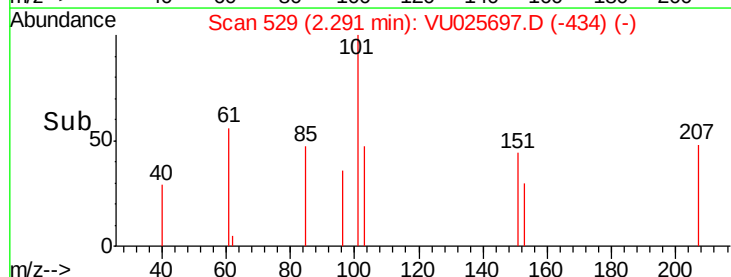
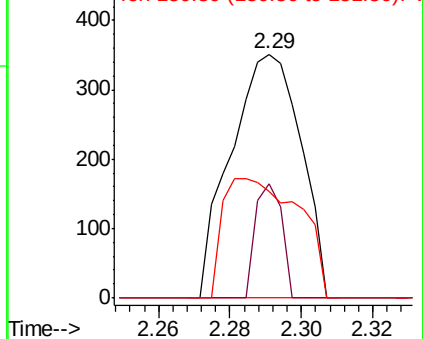
151 53.3 65.6 98.4#

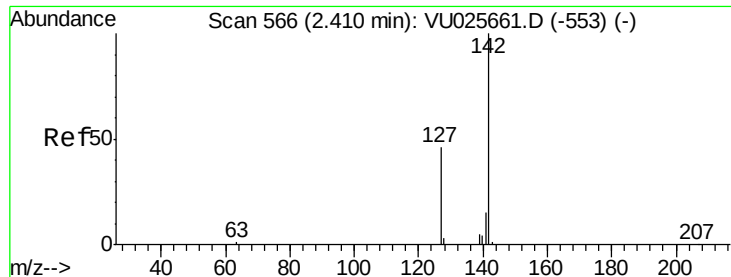


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V

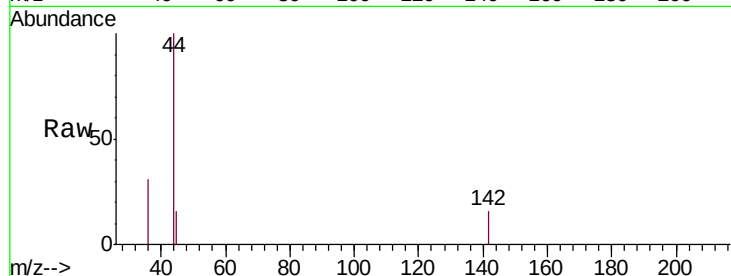




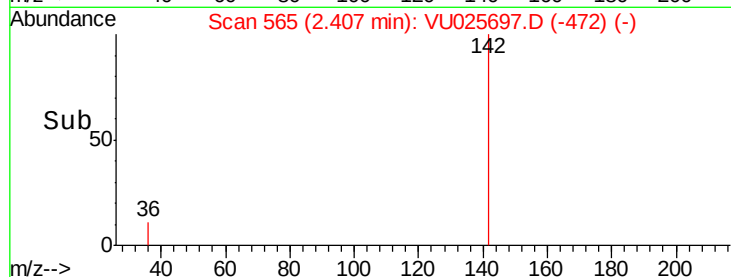
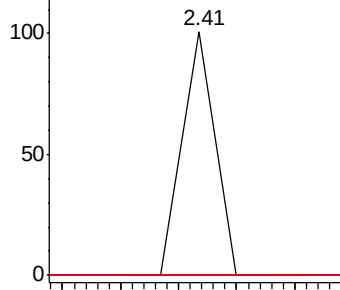
#10
Methvl Iodide
Concen: 8.60 ug/l
RT: 2.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VU025697.D
Acq: 28 Jul 2018 03:02

Instrument :
MSVOA_U
ClientSampleId :
RE108D1-071718

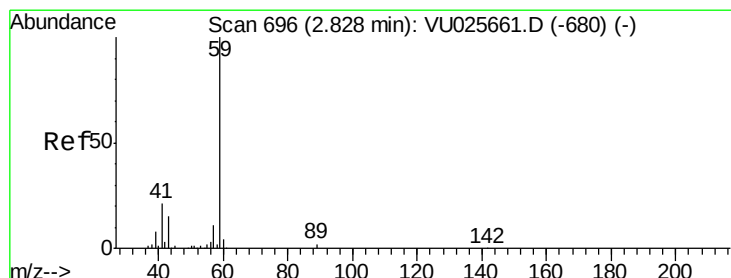
Tot Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 11.4 17.2#



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

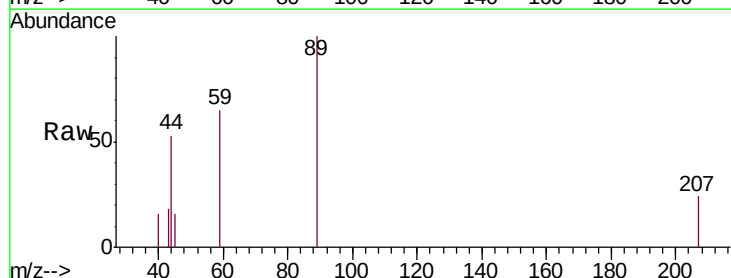


Time-->

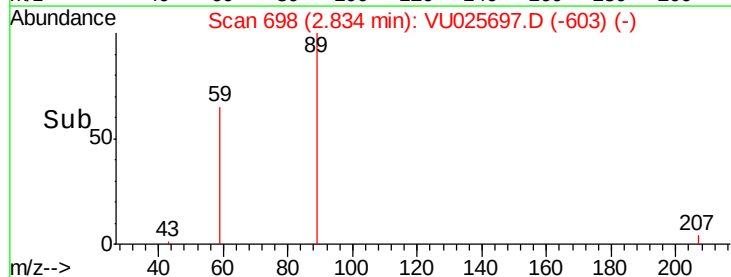
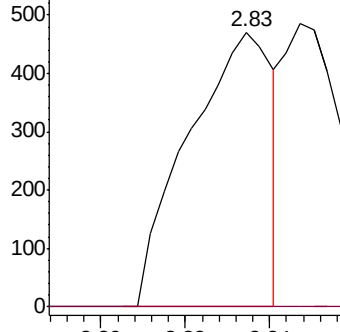


#11
Tert butyl alcohol
Concen: 1.11 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025697.D
Acq: 28 Jul 2018 03:02

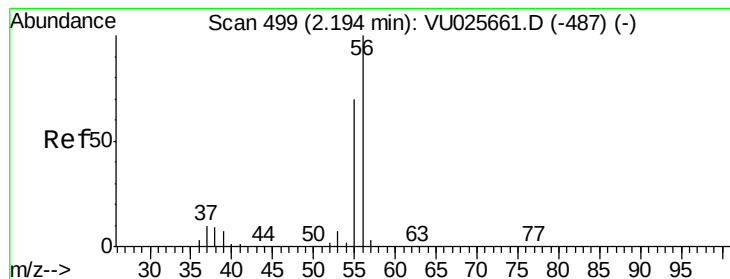
Tgt Ion: 59 Resp: 651
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



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



Time-->



#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU025697.D

Acq: 28 Jul 2018 03:02

Instrument :

MSVOA_U

ClientSampleId :

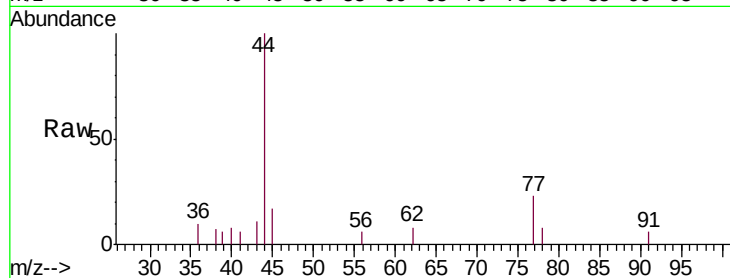
RE108D1-071718

Tot Ion: 56 Resp: 21

Ion Ratio Lower Upper

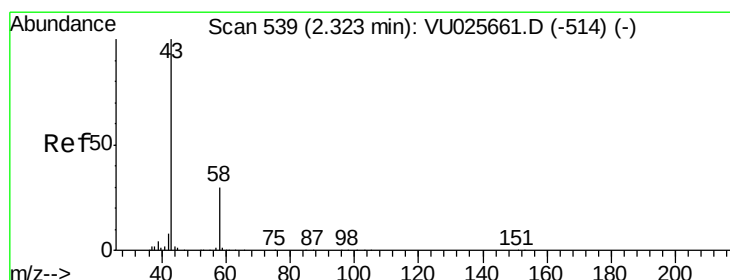
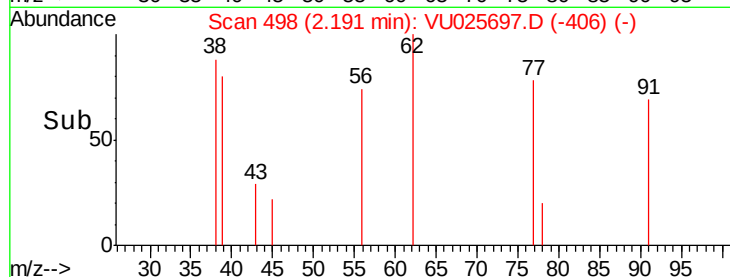
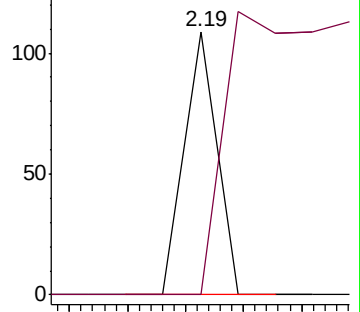
56 100

55 414.3 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 2.82 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025697.D

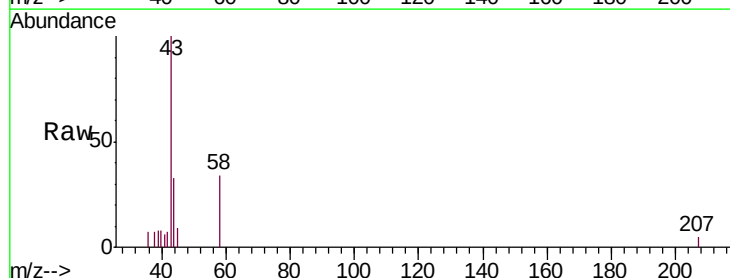
Acq: 28 Jul 2018 03:02

Tgt Ion: 43 Resp: 3691

Ion Ratio Lower Upper

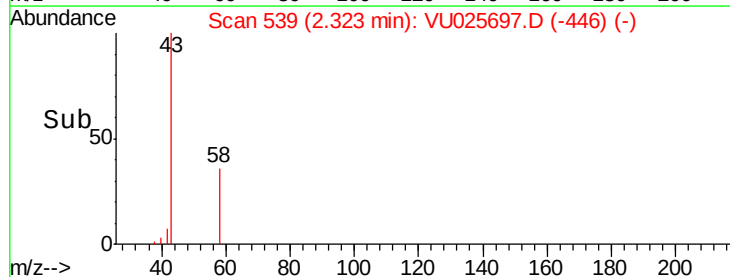
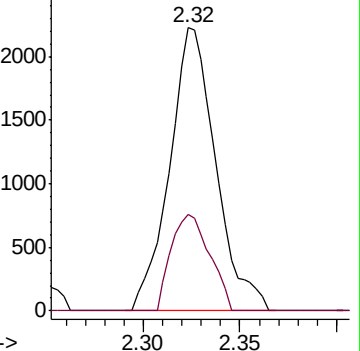
43 100

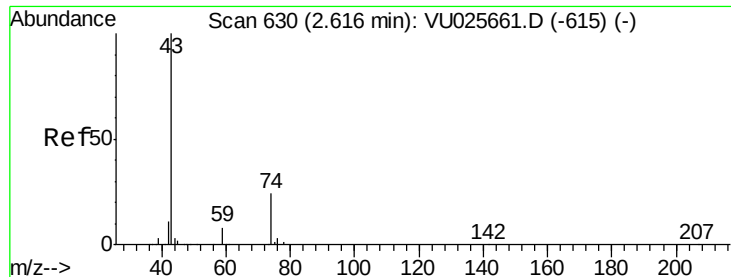
58 34.1 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

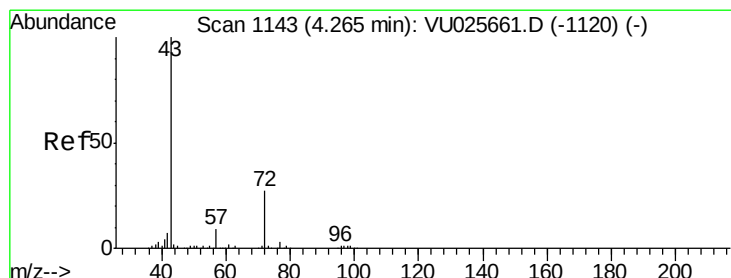
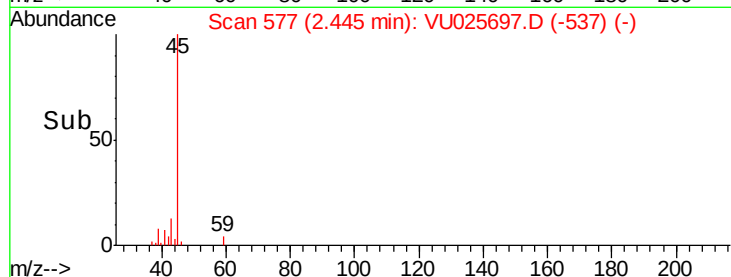
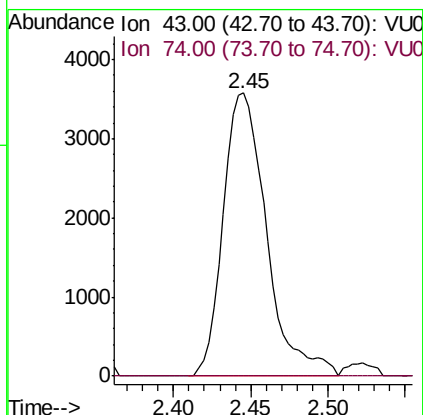
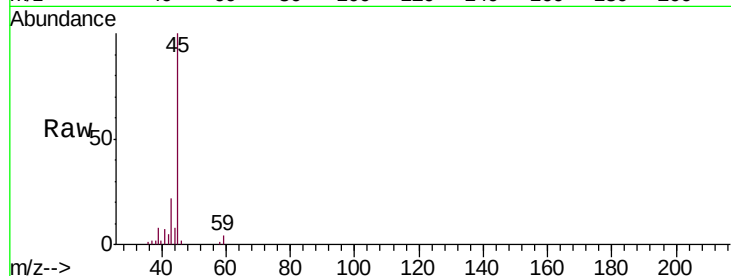




#18
Methyl Acetate
Concen: 2.21 ug/l
RT: 2.45 min Scan# 577
Delta R.T. -0.17 min
Lab File: VU025697.D
Acq: 28 Jul 2018 03:02

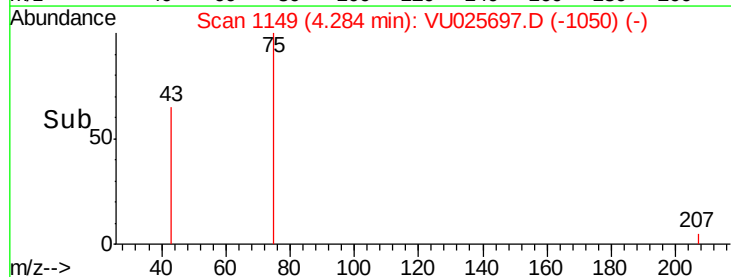
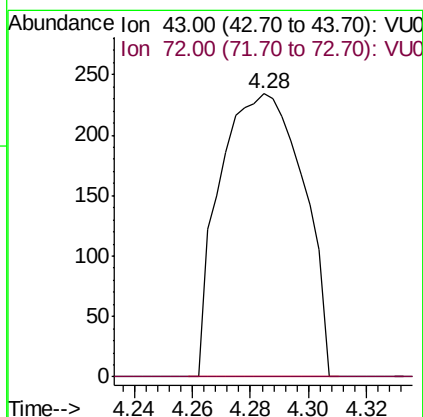
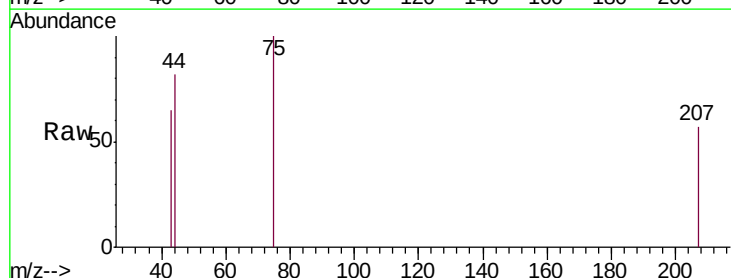
Instrument :
MSVOA_U
ClientSampleId :
RE108D1-071718

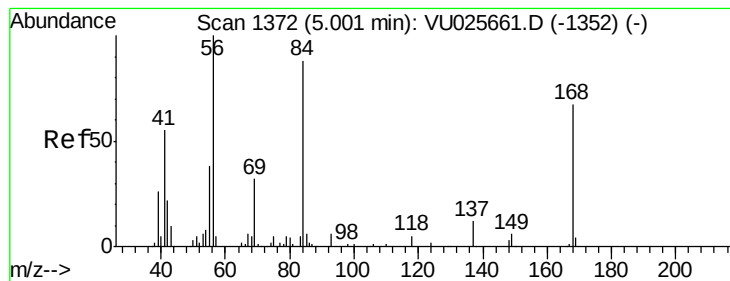
Tot Ion: 43 Resp: 6968
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



#25
2-Butanone
Concen: 0.26 ug/l
RT: 4.28 min Scan# 1149
Delta R.T. 0.02 min
Lab File: VU025697.D
Acq: 28 Jul 2018 03:02

Tgt Ion: 43 Resp: 465
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025697.D

Acq: 28 Jul 2018 03:02

Instrument :

MSVOA_U

ClientSampleId :

RE108D1-071718

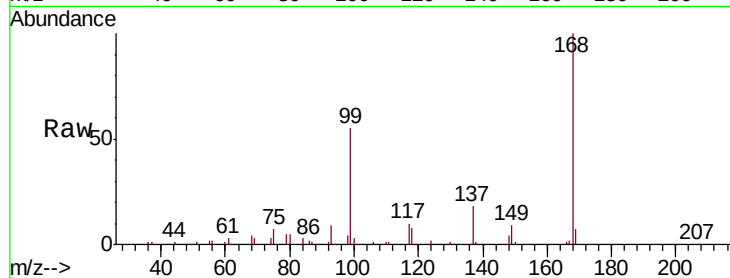
Tot Ion: 56 Resp: 3245

Ion Ratio Lower Upper

56 100

69 141.1 26.8 40.2#

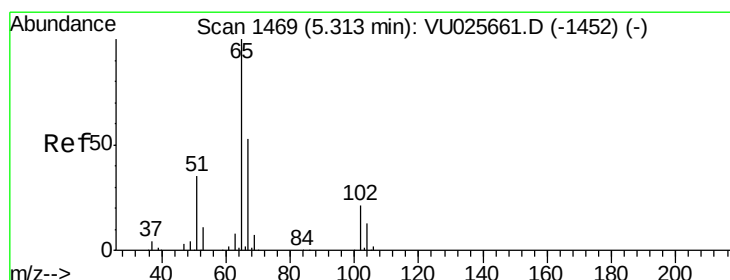
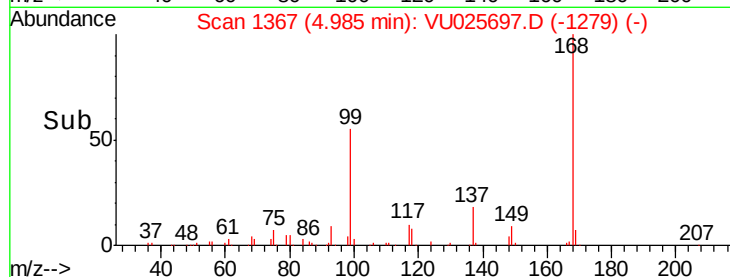
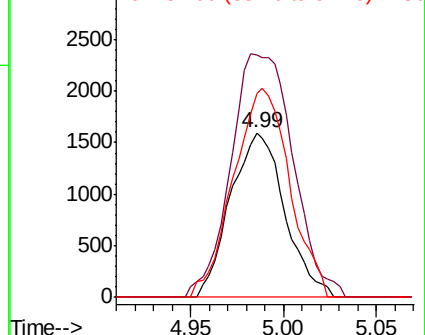
84 124.4 69.7 104.5#



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: 50.09 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025697.D

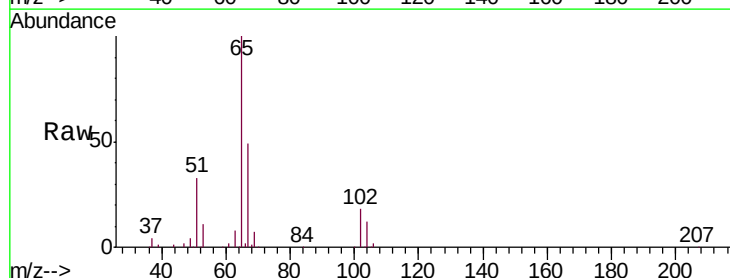
Acq: 28 Jul 2018 03:02

Tgt Ion: 65 Resp: 134360

Ion Ratio Lower Upper

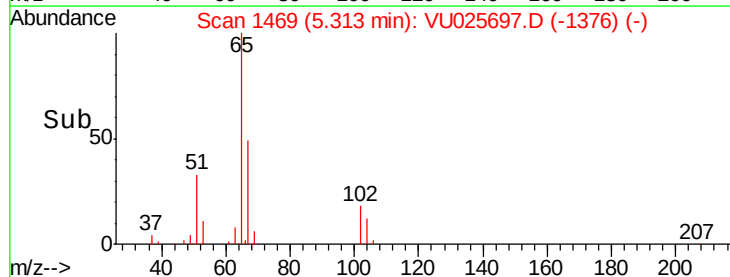
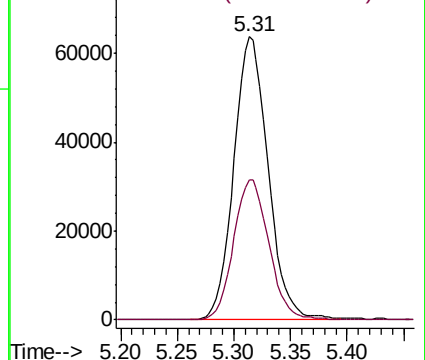
65 100

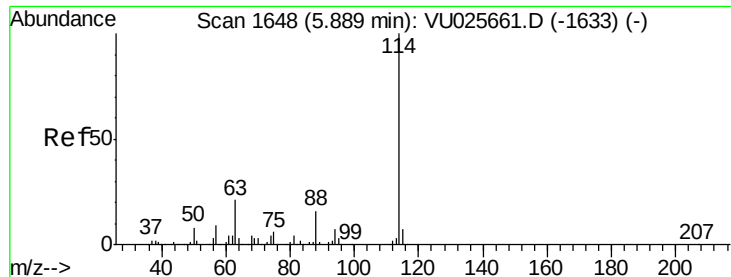
67 51.1 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

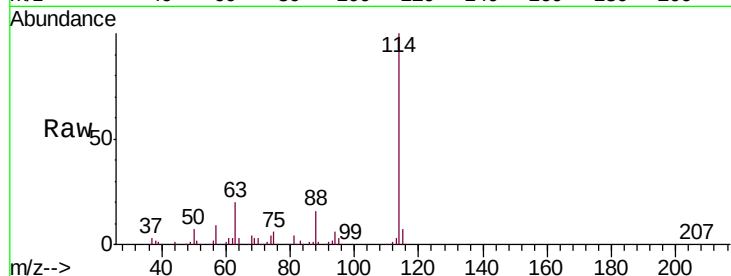




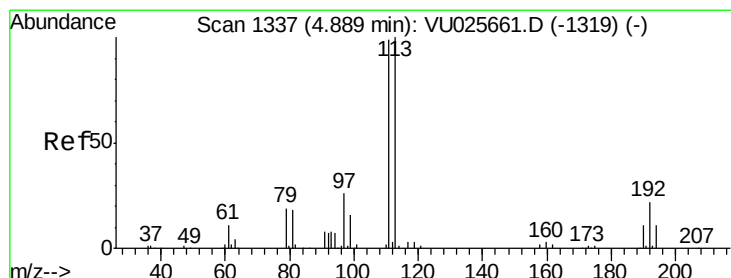
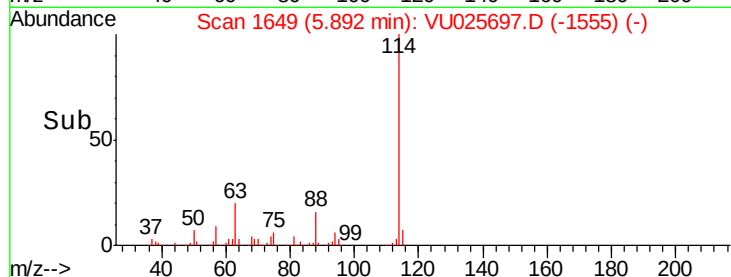
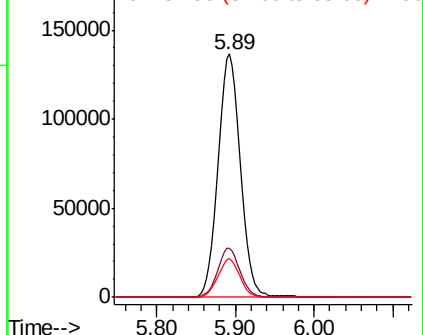
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025697.D
 Acq: 28 Jul 2018 03:02

Instrument :
 MSVOA_U
 ClientSampleId :
 RE108D1-071718

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.6
88	15.7	0.0	32.4

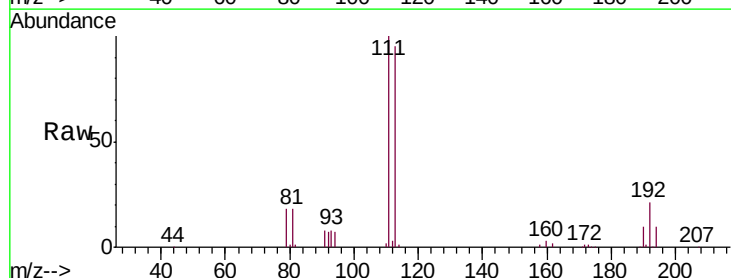


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

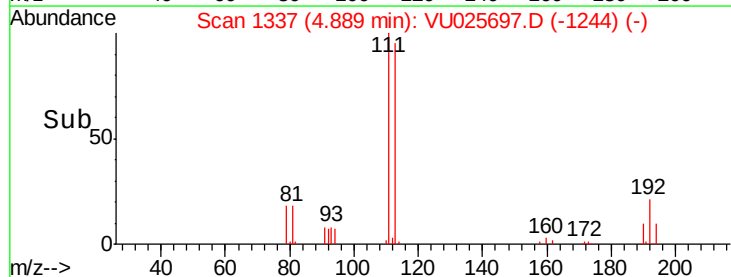
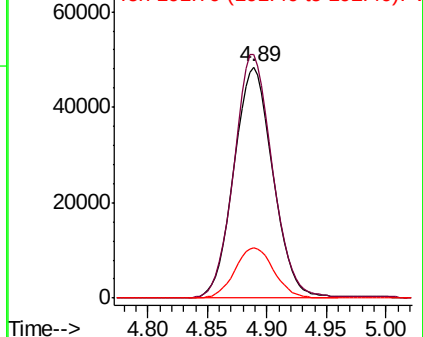


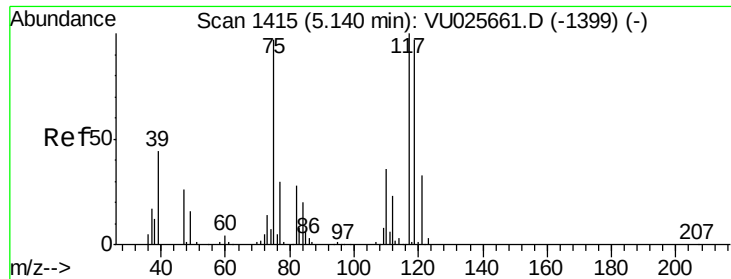
#35
 Dibromofluoromethane
 Concen: 47.40 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025697.D
 Acq: 28 Jul 2018 03:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.7	122.5
192	21.8	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

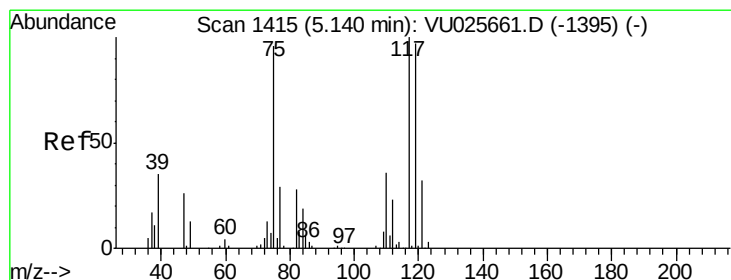
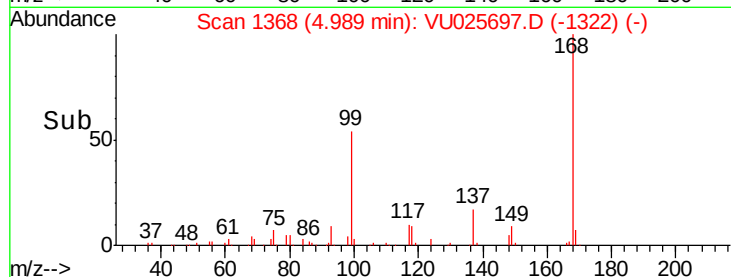
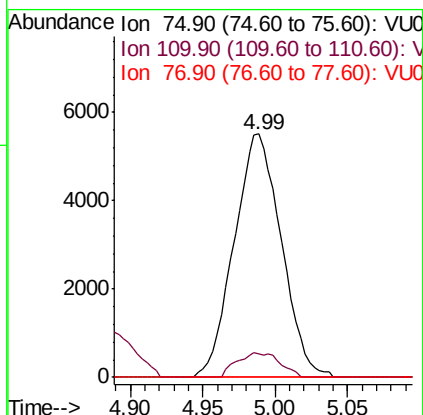
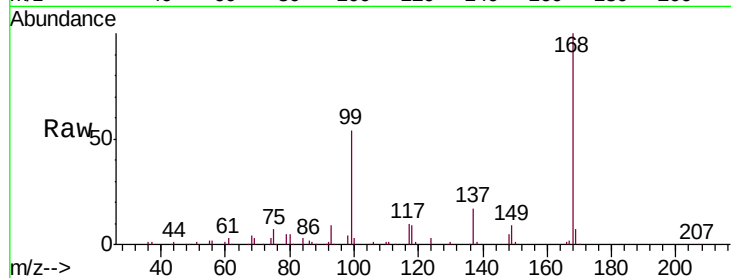




#36
 1,1-Dichloropropene
 Concen: 3.99 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025697.D
 Acq: 28 Jul 2018 03:02

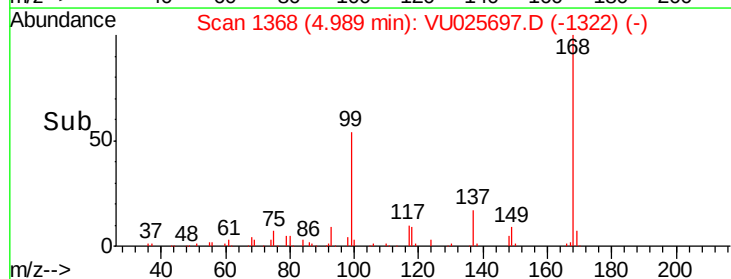
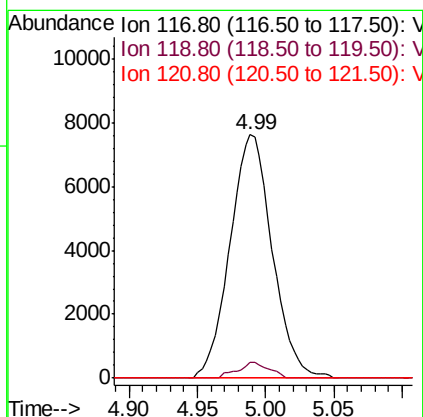
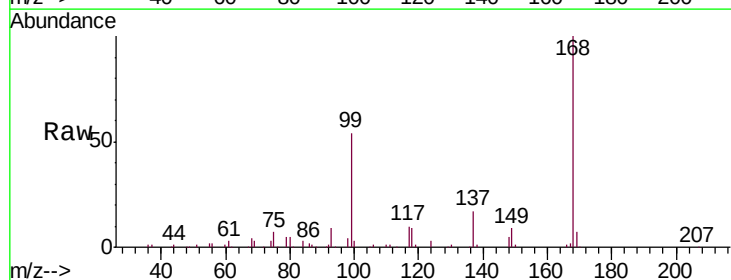
Instrument :
 MSVOA_U
 ClientSampleId :
 RE108D1-071718

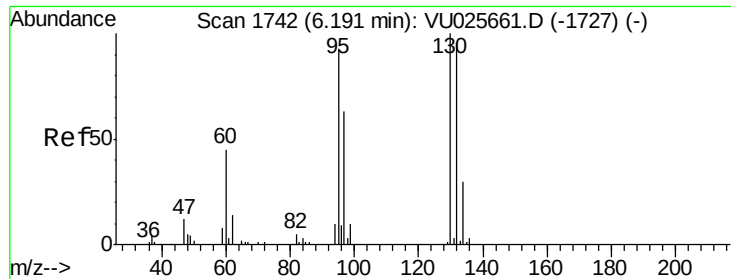
Tot Ion	75	Resp	12458
Ion Ratio	100	Lower	Upper
110	9.3	17.6	52.9#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.63 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025697.D
 Acq: 28 Jul 2018 03:02

Tgt Ion	117	Resp	16387
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	6.4	75.7	113.5#
121	0.0	24.6	36.8#





#44

Trichloroethene

Concen: 22.16 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025697.D

Acq: 28 Jul 2018 03:02

Instrument :

MSVOA_U

ClientSampleId :

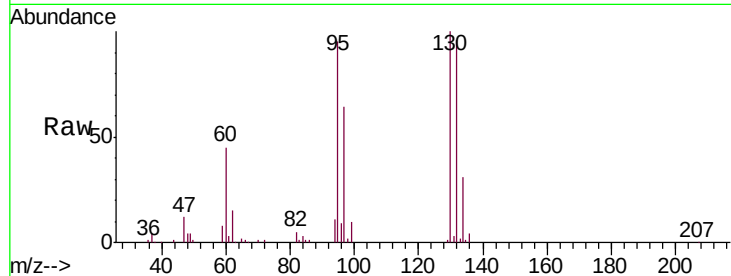
RE108D1-071718

Tot Ion:130 Resp: 56359

Ion Ratio Lower Upper

130 100

95 94.8 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025661.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU025661.D (-1727) (-)

6.19

30000

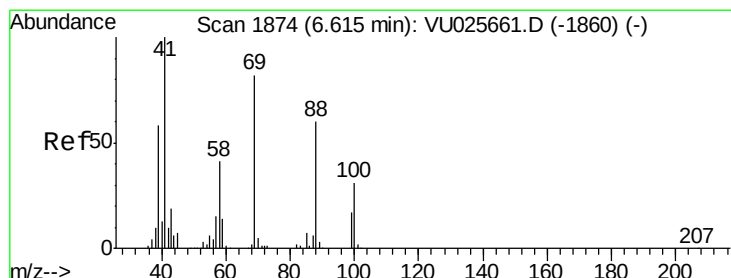
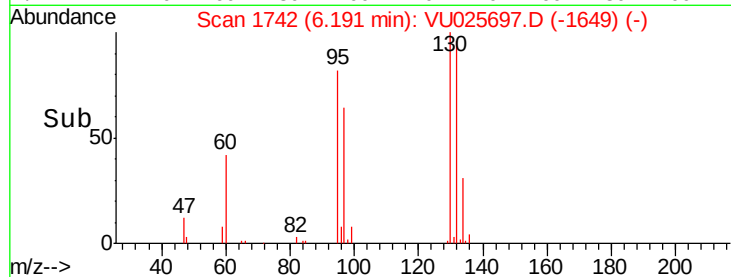
20000

10000

0

Time-->

6.10 6.15 6.20 6.25 6.30



#49

1,4-Dioxane

Concen: 9.93 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VU025697.D

Acq: 28 Jul 2018 03:02

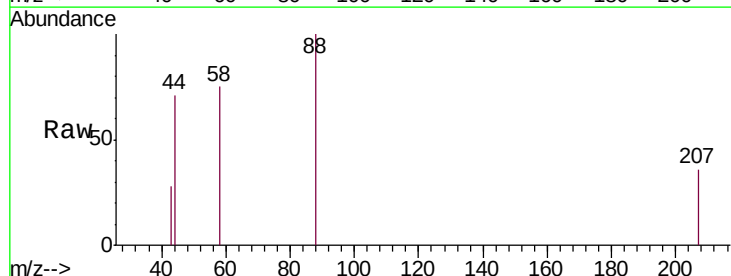
Tgt Ion: 88 Resp: 634

Ion Ratio Lower Upper

88 100

43 6.6 27.3 40.9#

58 57.6 57.6 86.4#



Abundance Ion 88.00 (87.70 to 88.70): VU025661.D (-1860) (-)

Ion 43.00 (42.70 to 43.70): VU025661.D (-1860) (-)

Ion 58.00 (57.70 to 58.70): VU025661.D (-1860) (-)

500

400

300

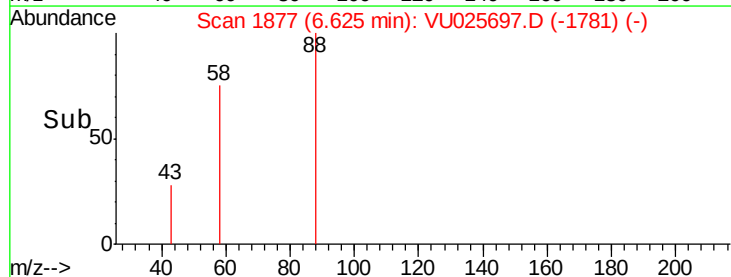
200

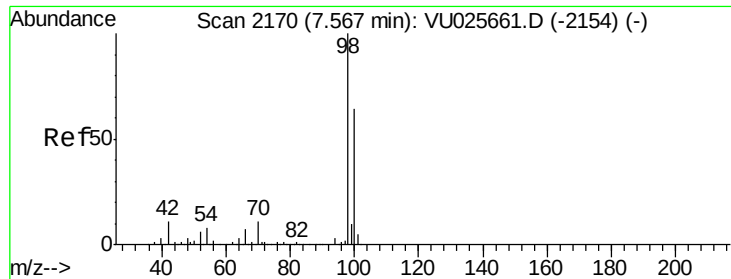
100

0

Time-->

6.60 6.65

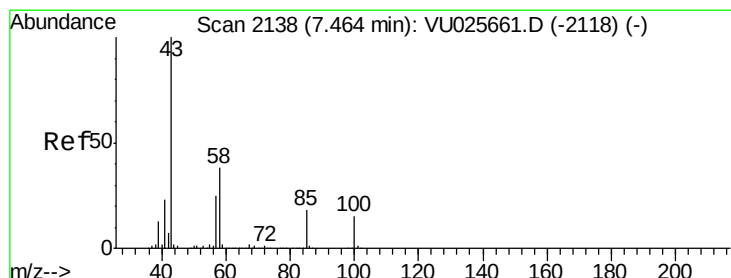
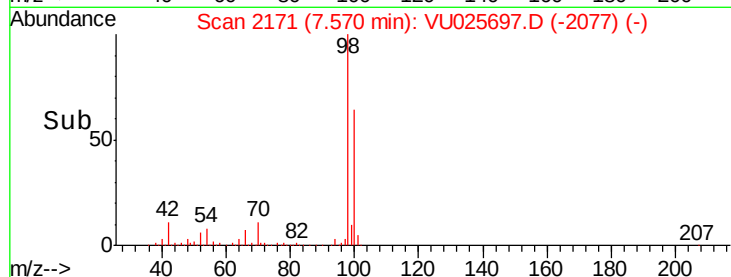
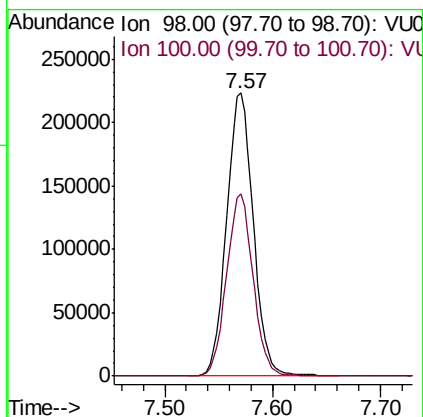
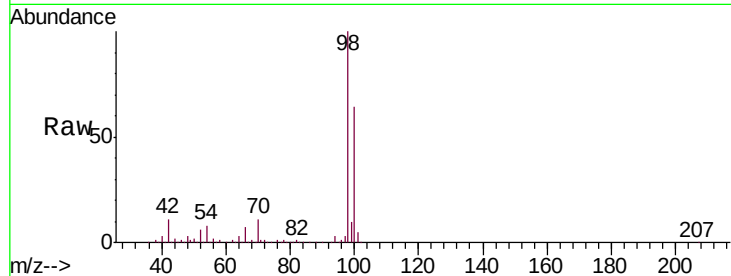




#50
Toluene-d8
Concen: 47.40 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025697.D
Acq: 28 Jul 2018 03:02

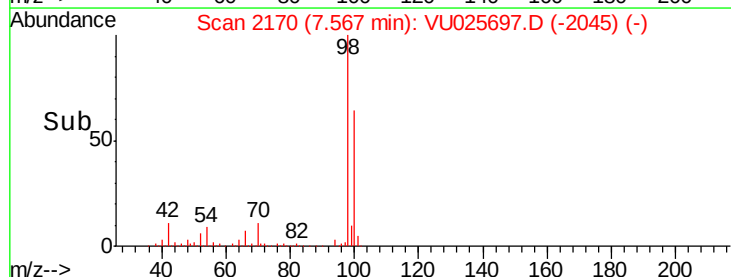
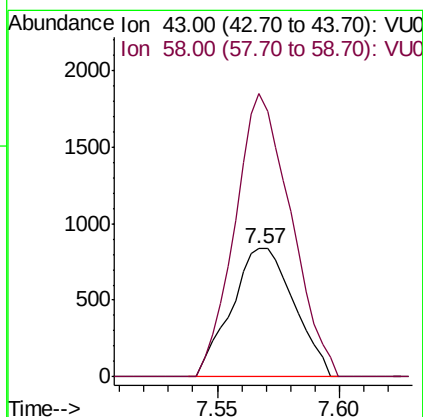
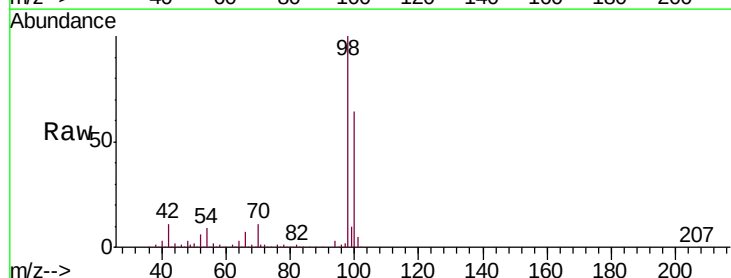
Instrument :
MSVOA_U
ClientSampleId :
RE108D1-071718

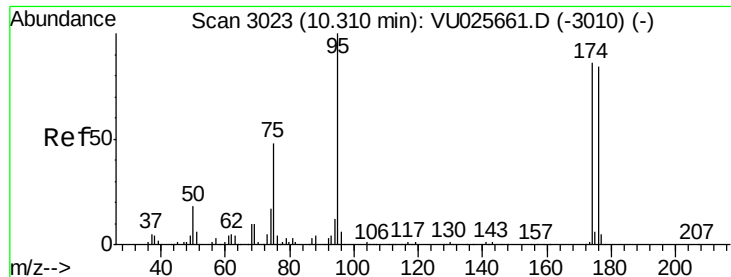
Tot Ion: 98 Resp: 385628
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.45 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.10 min
Lab File: VU025697.D
Acq: 28 Jul 2018 03:02

Tgt Ion: 43 Resp: 1493
Ion Ratio Lower Upper
43 100
58 196.8 31.0 46.4#





#62

4-Bromofluorobenzene

Concen: 47.99 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025697.D

Acq: 28 Jul 2018 03:02

Instrument :

MSVOA_U

ClientSampleId :

RE108D1-071718

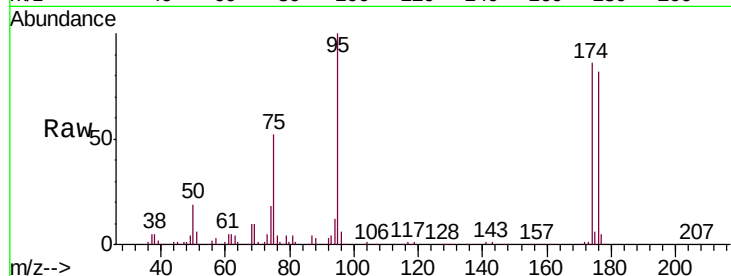
Tot Ion: 95 Resp: 151538

Ion Ratio Lower Upper

95 100

174 87.6 0.0 172.2

176 84.8 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

120000

100000

80000

60000

40000

20000

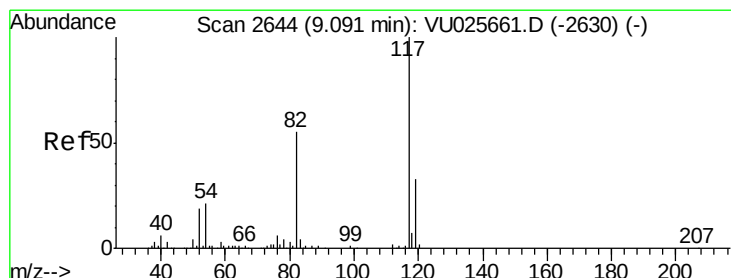
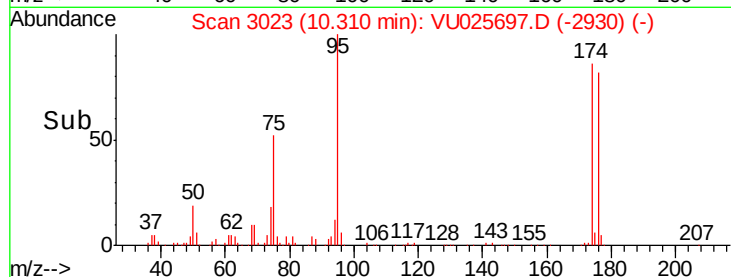
0

10.31

10.30

10.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025697.D

Acq: 28 Jul 2018 03:02

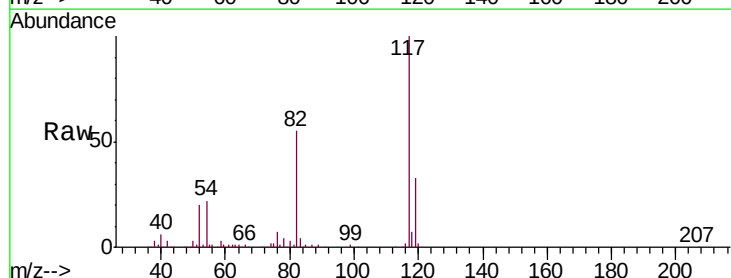
Tgt Ion: 117 Resp: 261868

Ion Ratio Lower Upper

117 100

82 55.1 46.0 69.0

119 32.7 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

200000

150000

100000

50000

0

9.09

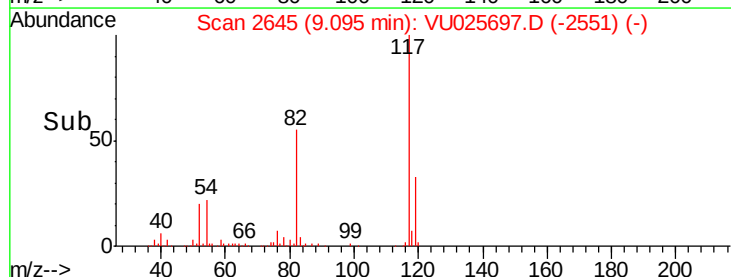
9.05

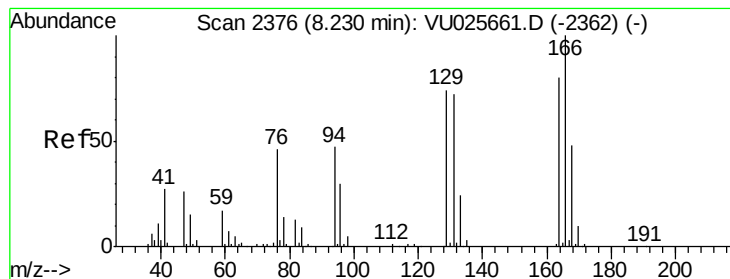
9.10

9.15

9.20

Time-->





#64

Tetrachloroethene

Concen: 0.27 ug/l

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU025697.D

Acq: 28 Jul 2018 03:02

Instrument :

MSVOA_U

ClientSampleId :

RE108D1-071718

Tot Ion:164 Resp: 633

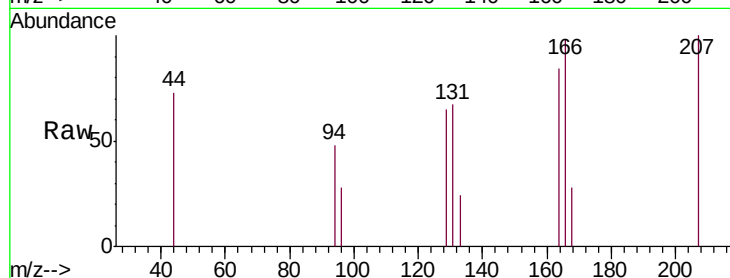
Ion Ratio Lower Upper

164 100

166 116.7 101.1 151.7

129 77.9 73.0 109.6

131 80.0 72.1 108.1



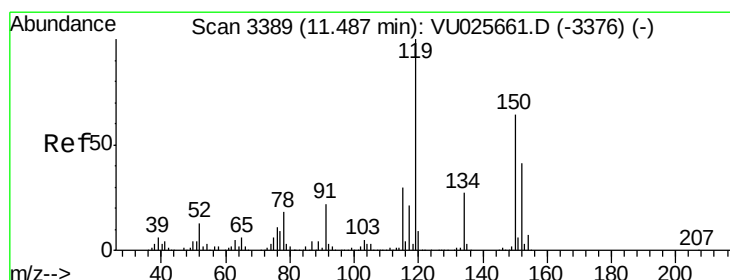
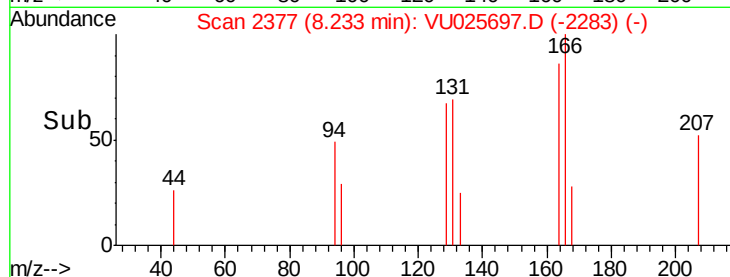
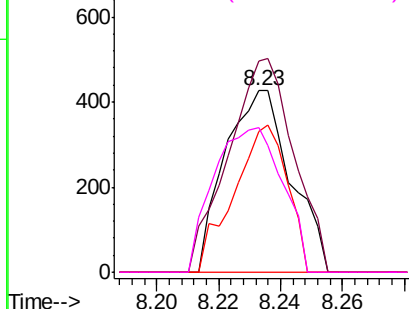
Abundance

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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025697.D

Acq: 28 Jul 2018 03:02

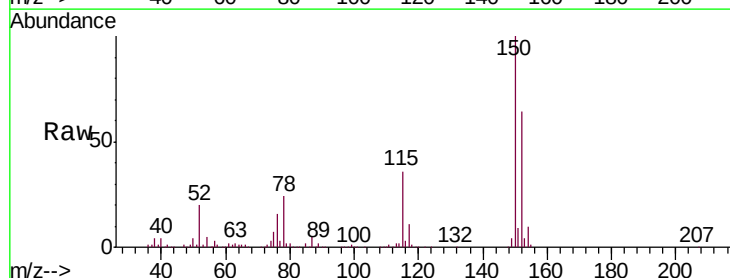
Tgt Ion:152 Resp: 157869

Ion Ratio Lower Upper

152 100

115 56.6 40.1 120.3

150 155.4 0.0 351.4

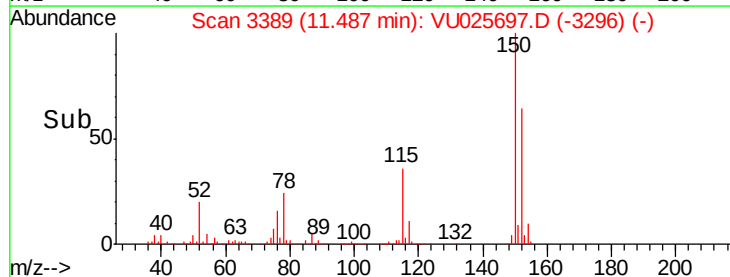
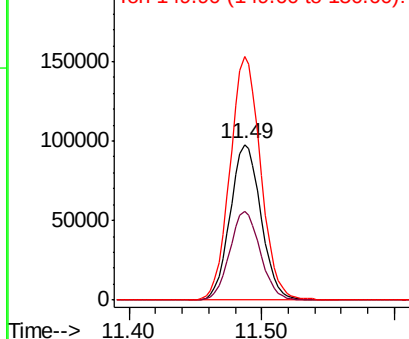


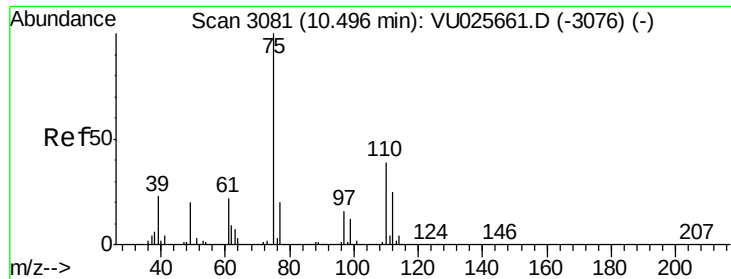
Abundance

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

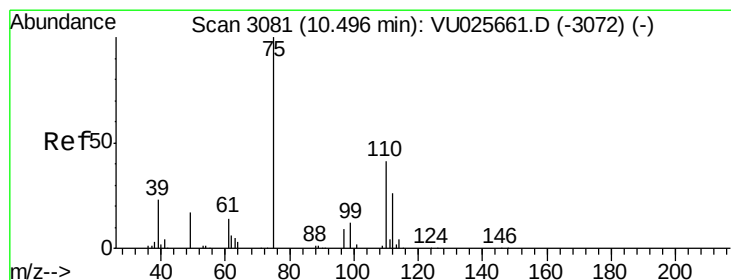
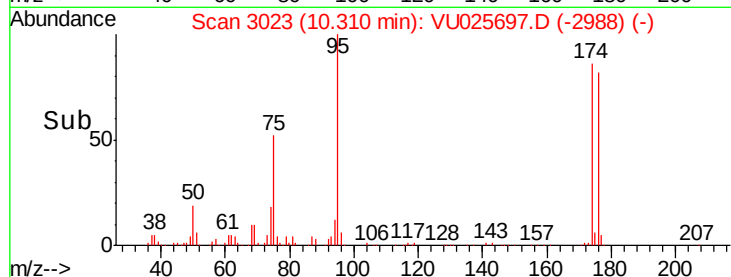
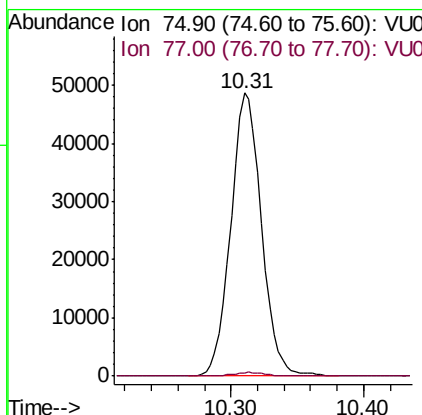
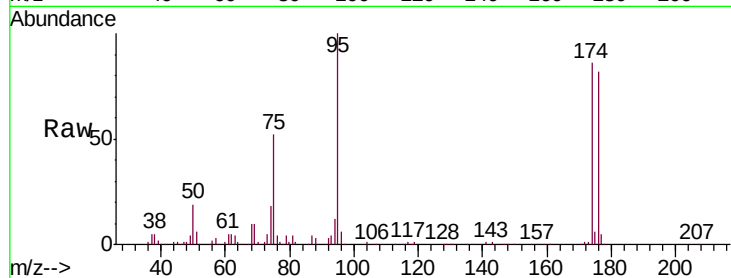




#76
 1,2,3-Trichloropropane
 Concen: 22.44 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025697.D
 Acq: 28 Jul 2018 03:02

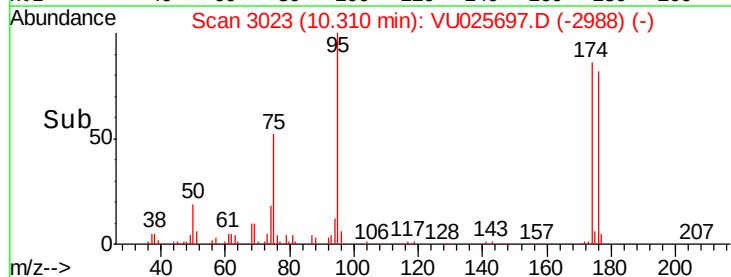
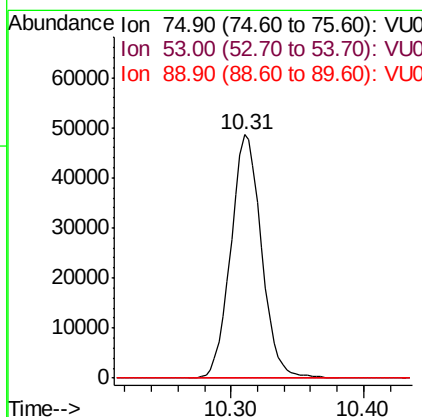
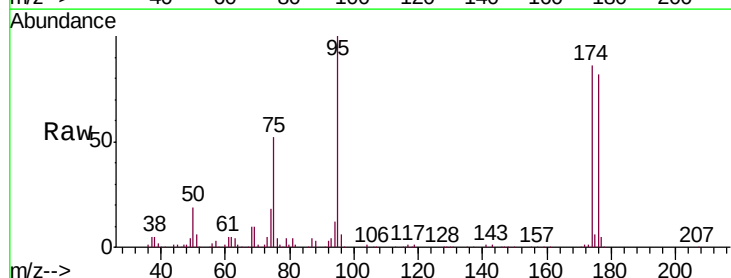
Instrument :
 MSVOA_U
 ClientSampleId :
 RE108D1-071718

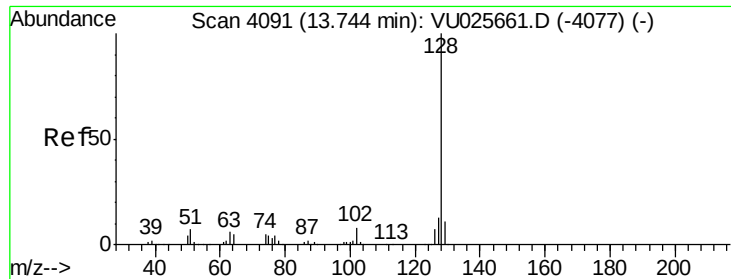
Tot Ion: 75 Resp: 78067
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.4 61.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.28 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025697.D
 Acq: 28 Jul 2018 03:02

Tgt Ion: 75 Resp: 78067
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95

Naphthalene

Concen: 1.25 ug/l

RT: 13.77 min Scan# 4099

Delta R.T. 0.03 min

Lab File: VU025697.D

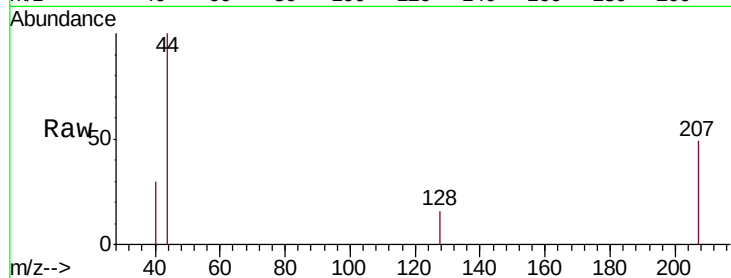
Acq: 28 Jul 2018 03:02

Instrument :

MSVOA_U

ClientSampleId :

RE108D1-071718



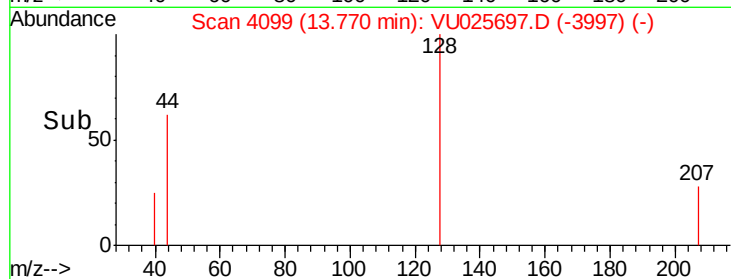
Tot Ion:128 Resp: 39

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 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

