

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025168.D
 Acq On : 03 Jul 2018 02:36
 Operator : MD/SY
 Sample : J3809-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FINAL-EFF-062818

Quant Time: Jul 03 07:06:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	199984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	300003	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	276811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142458	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	151869	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	
35) Dibromofluoromethane	4.89	113	118660	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
50) Toluene-d8	7.57	98	429607	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
62) 4-Bromofluorobenzene	10.31	95	156740	43.47	ug/l	0.00
Spiked Amount			Recovery	=	86.94%	

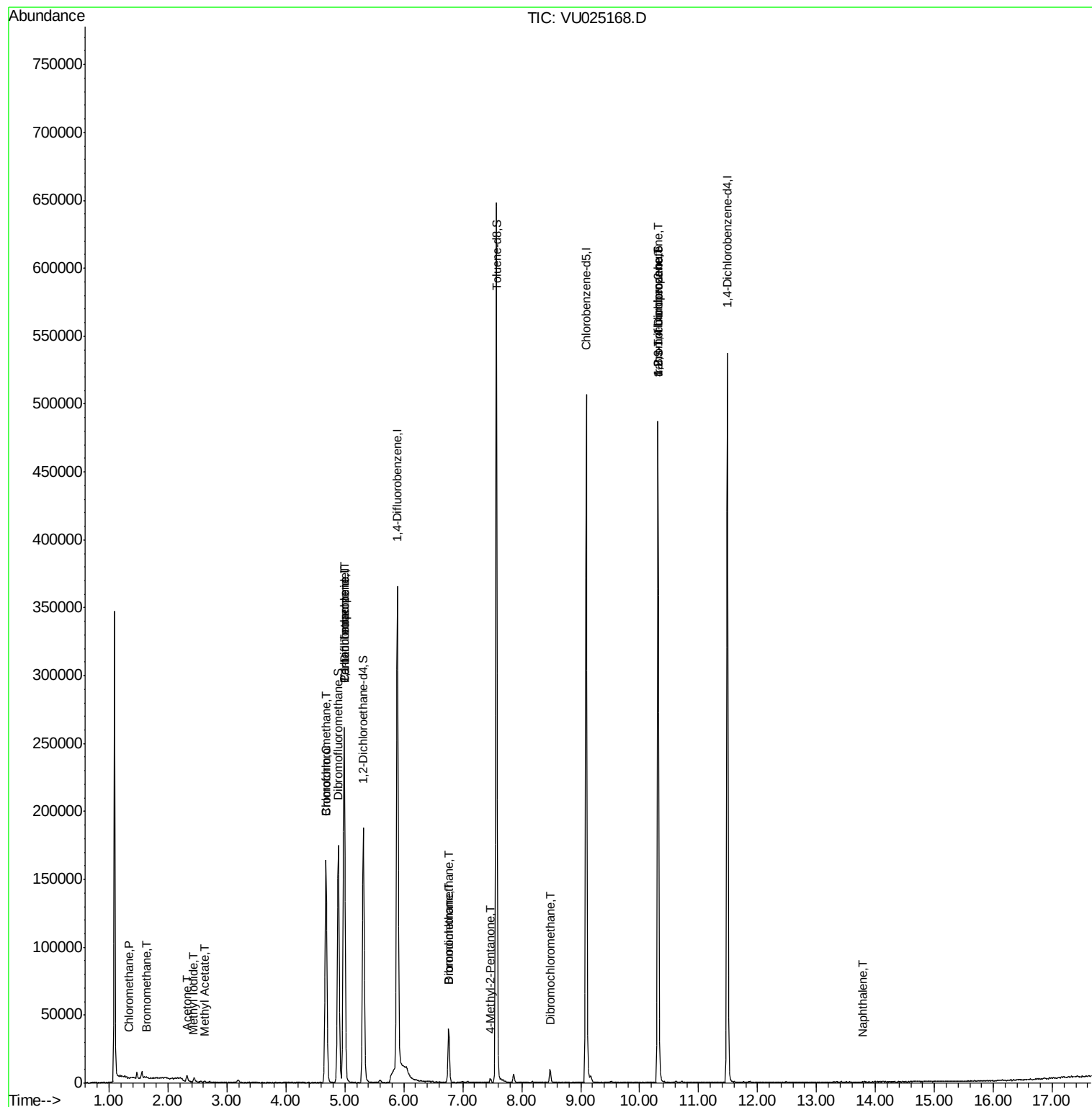
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	554	0.217	ug/l #	87
5) Bromomethane	1.63	94	297	0.233	ug/l	87
6) Chloroethane	1.70	64	44	Below Cal	#	43
10) Methyl Iodide	2.42	142	99	5.330	ug/l #	40
16) Acetone	2.32	43	4901	2.794	ug/l #	85
18) Methyl Acetate	2.62	43	839	0.223	ug/l #	72
28) Bromochloromethane	4.68	49	12588	5.927	ug/l #	16
30) Chloroform	4.68	83	153130	31.378	ug/l	99
31) Cyclohexane	4.99	56	3938	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15407	4.370	ug/l #	50
38) Carbon Tetrachloride	4.99	117	19587	5.053	ug/l #	17
46) Dibromomethane	6.76	93	694	0.369	ug/l #	4
47) Bromodichloromethane	6.76	83	25882	6.904	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	3269	0.783	ug/l #	37
60) Dibromochloromethane	8.48	129	3929	1.199	ug/l	93
76) 1,2,3-Trichloropropane	10.31	75	82662	26.356	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	82662	60.998	ug/l #	100
95) Naphthalene	13.79	128	304	0.708	ug/l #	69

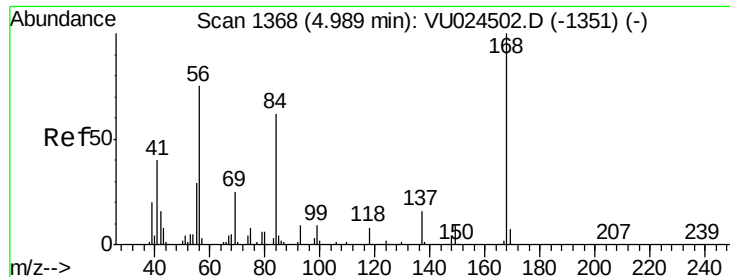
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025168.D

Acq: 03 Jul 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

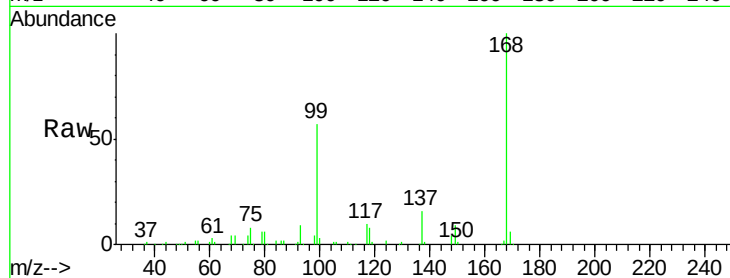
FINAL-EFF-062818

Tot Ion:168 Resp: 199984

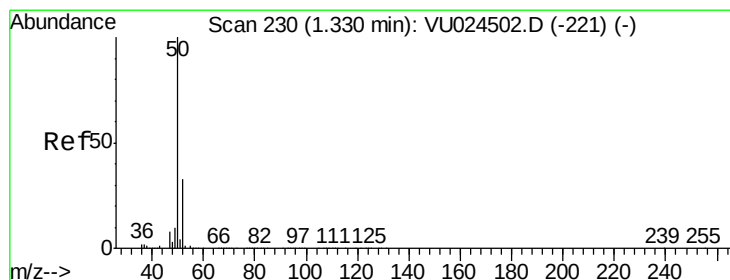
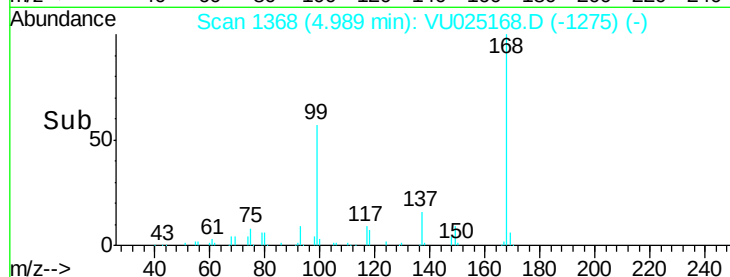
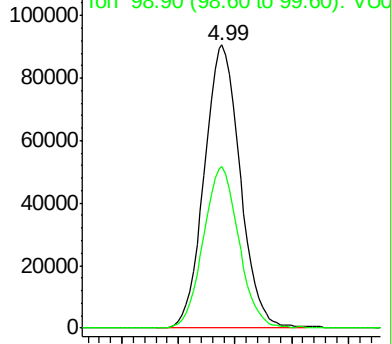
Ion Ratio Lower Upper

168 100

99 57.0 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025168.D

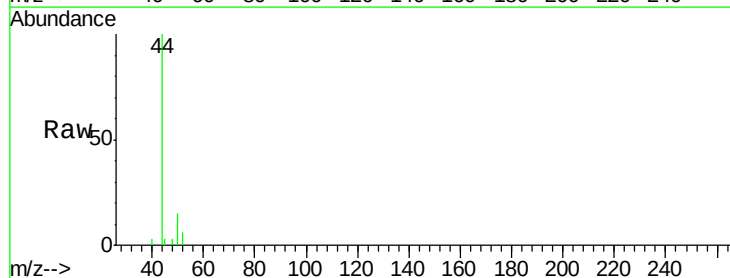
Acq: 03 Jul 2018 02:36

Tgt Ion: 50 Resp: 554

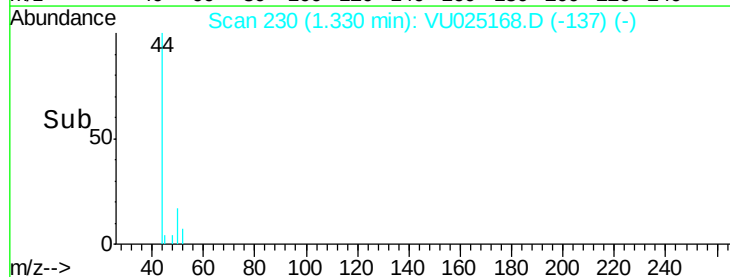
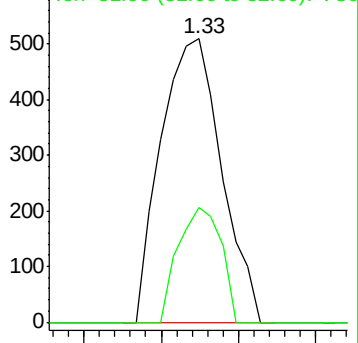
Ion Ratio Lower Upper

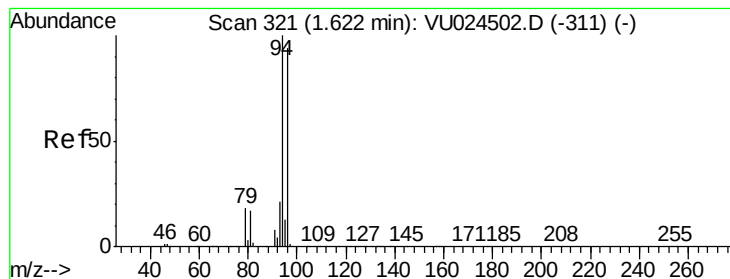
50 100

52 40.3 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)





#5

Bromomethane

Concen: 0.233 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU025168.D

Acq: 03 Jul 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

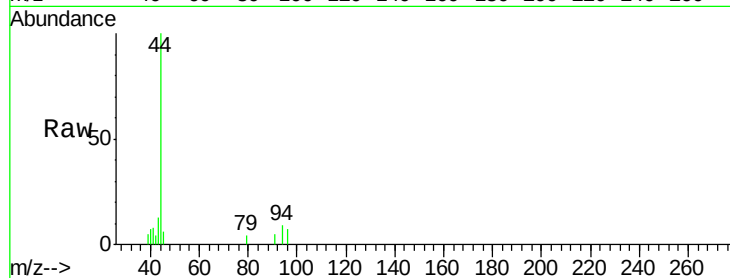
FINAL-EFF-062818

Tot Ion: 94 Resp: 297

Ion Ratio Lower Upper

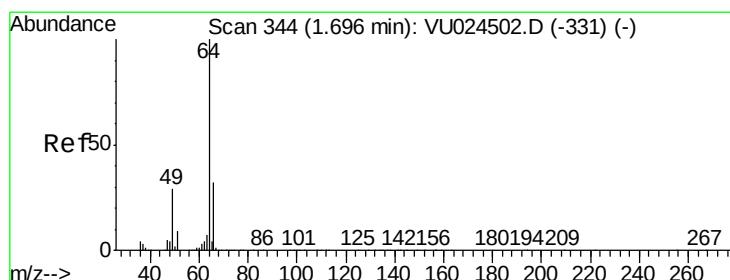
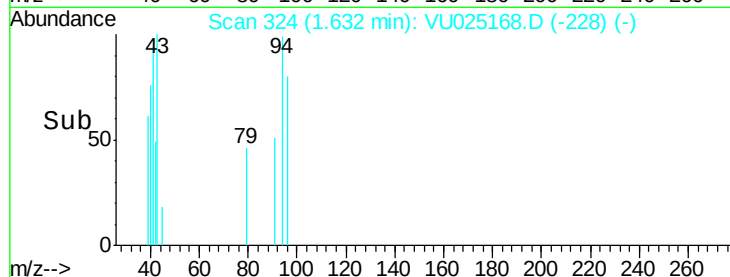
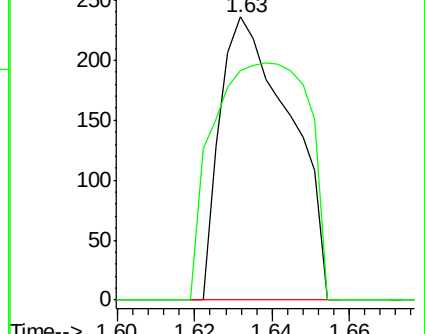
94 100

96 80.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025168.D

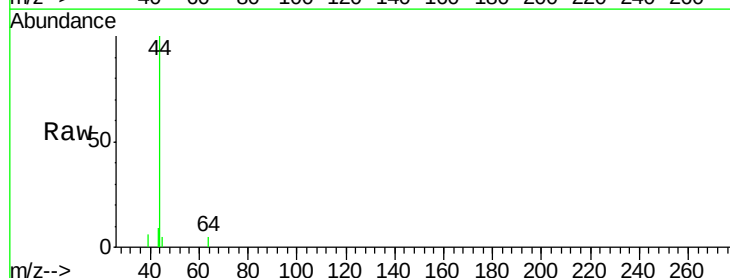
Acq: 03 Jul 2018 02:36

Tgt Ion: 64 Resp: 44

Ion Ratio Lower Upper

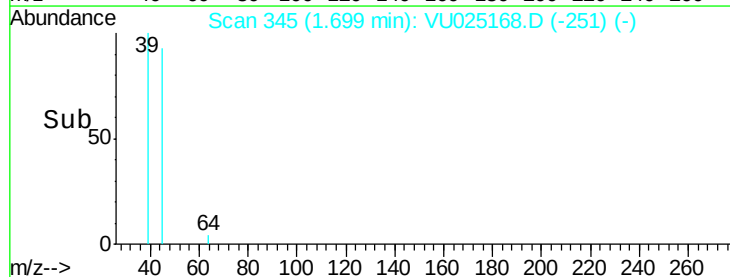
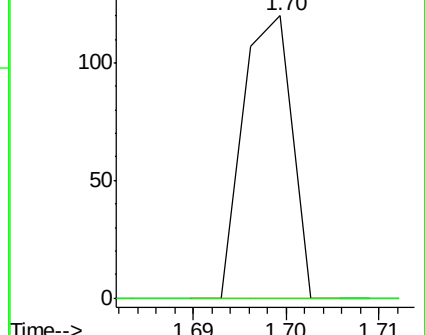
64 100

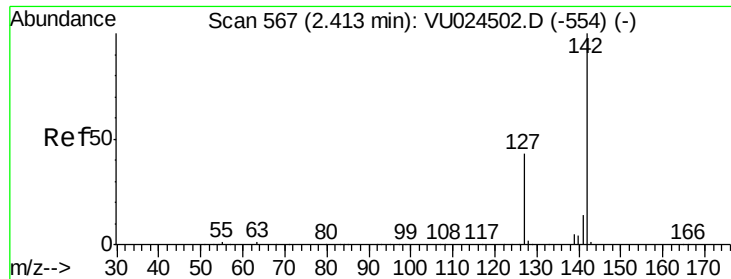
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

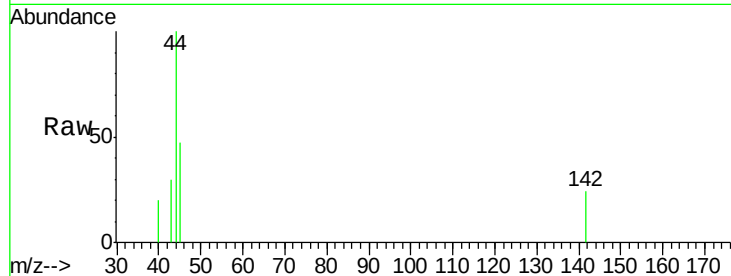




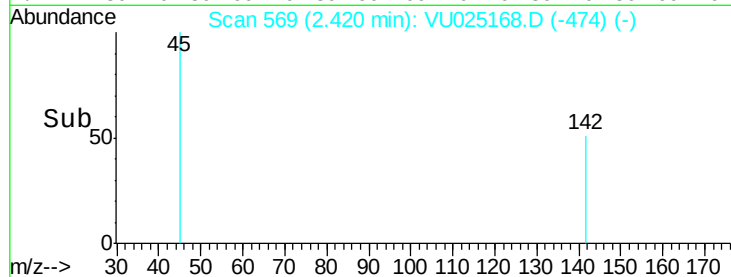
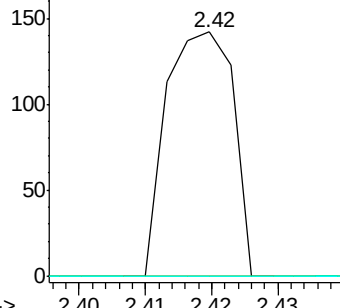
#10
Methvl Iodide
Concen: 5.330 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU025168.D
Acq: 03 Jul 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
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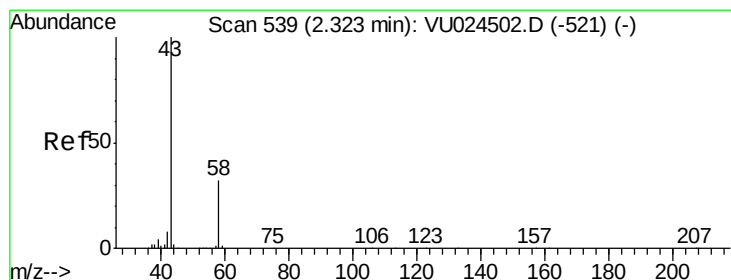
Tot Ion:142 Resp: 99
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



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

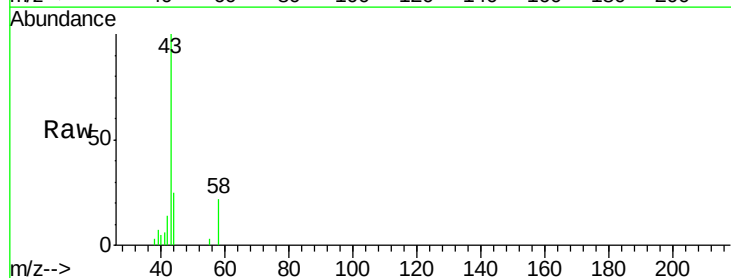


Time-->

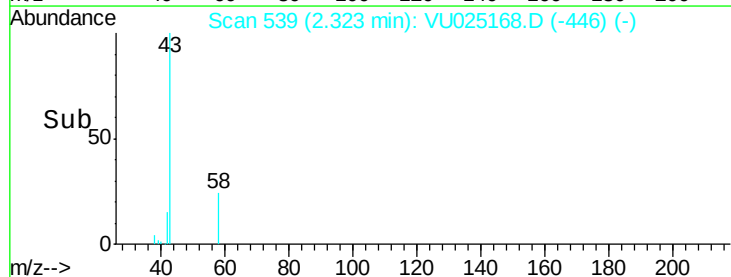
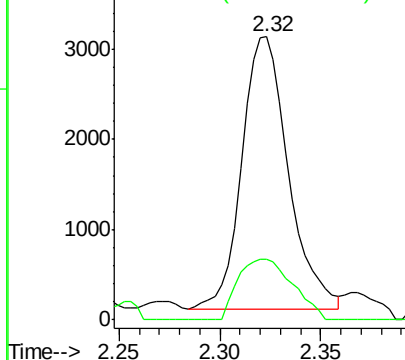


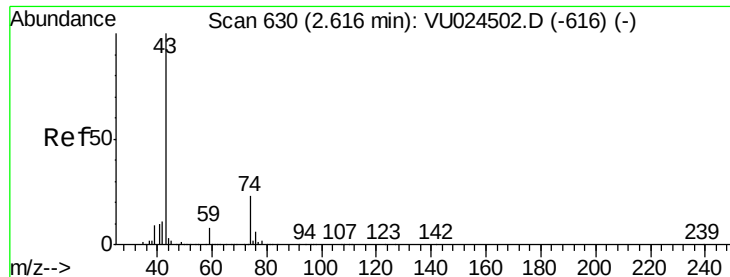
#16
Acetone
Concen: 2.794 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025168.D
Acq: 03 Jul 2018 02:36

Tgt Ion: 43 Resp: 4901
Ion Ratio Lower Upper
43 100
58 22.4 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

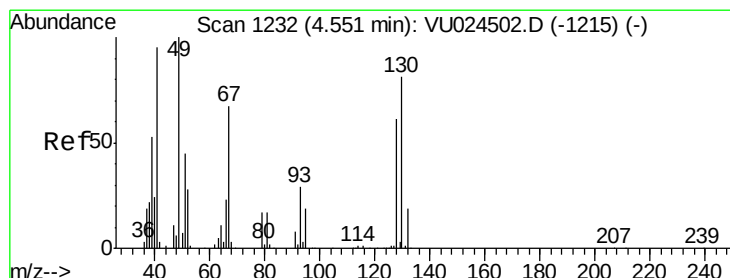
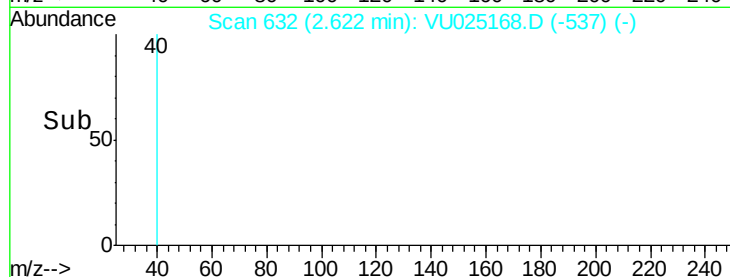
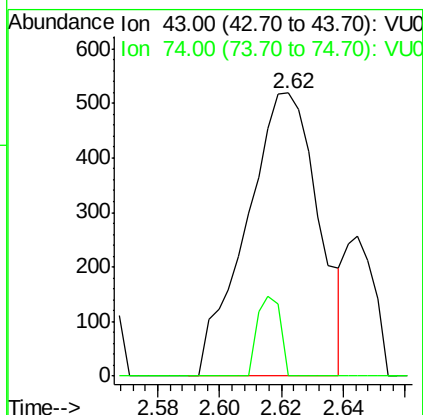
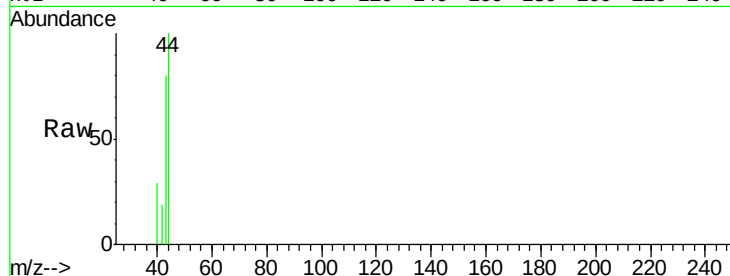




#18
Methvl Acetate
Concen: 0.223 ug/l
RT: 2.62 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU025168.D
Acq: 03 Jul 2018 02:36

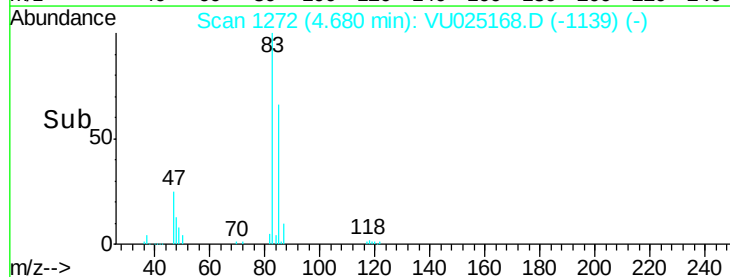
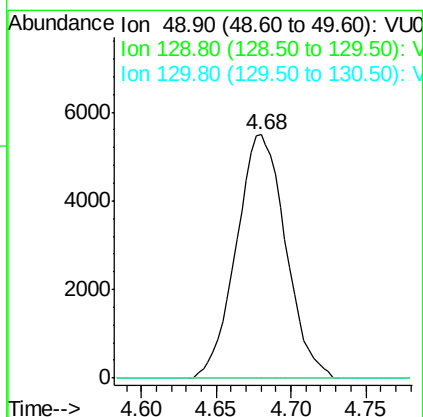
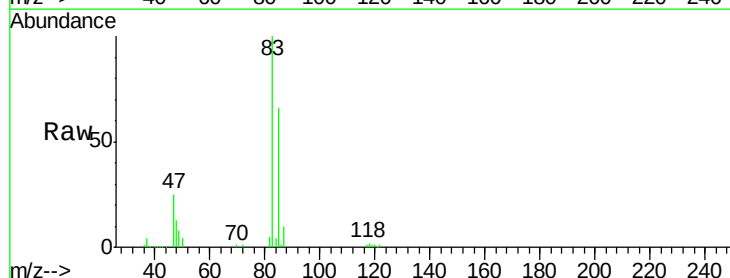
Instrument :
MSVOA_U
ClientSampleId :
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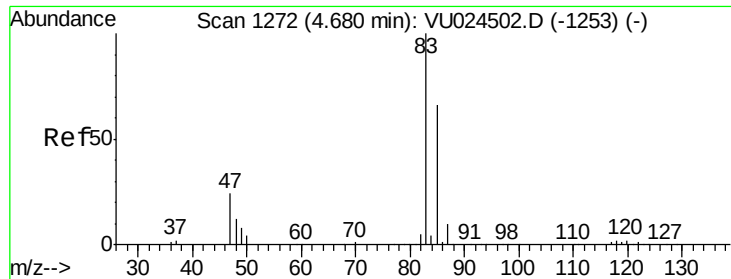
Tot Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
74 9.1 18.0 27.0#



#28
Bromochloromethane
Concen: 5.927 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.13 min
Lab File: VU025168.D
Acq: 03 Jul 2018 02:36

Tgt Ion: 49 Resp: 12588
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.8 86.6#

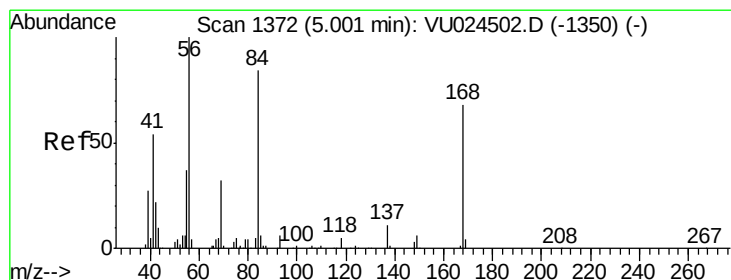
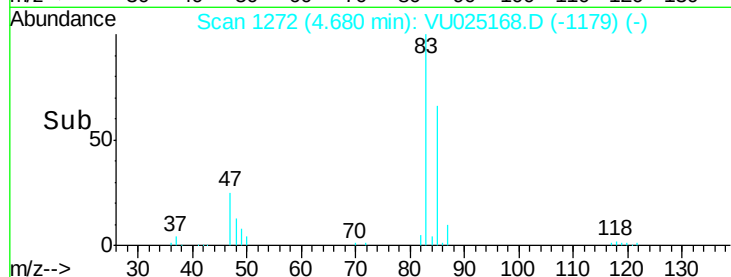
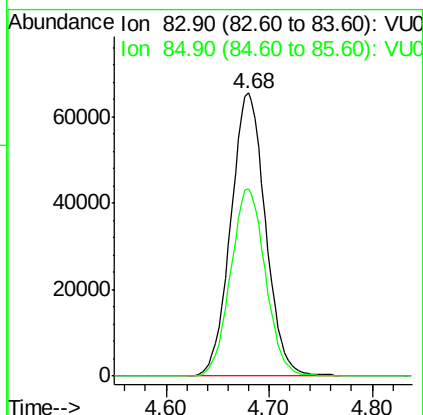
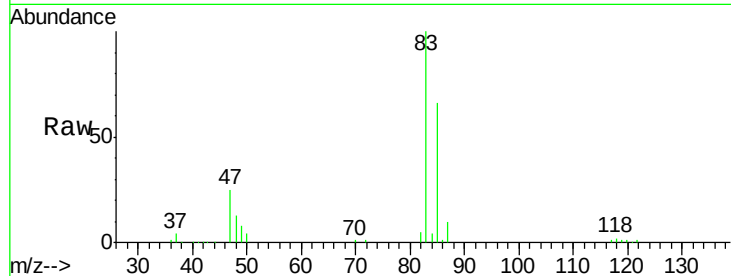




#30
Chloroform
Concen: 31.378 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025168.D
Acq: 03 Jul 2018 02:36

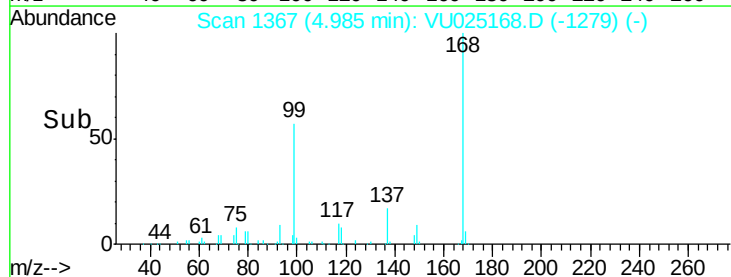
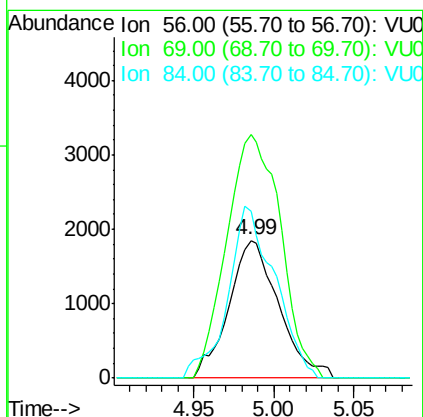
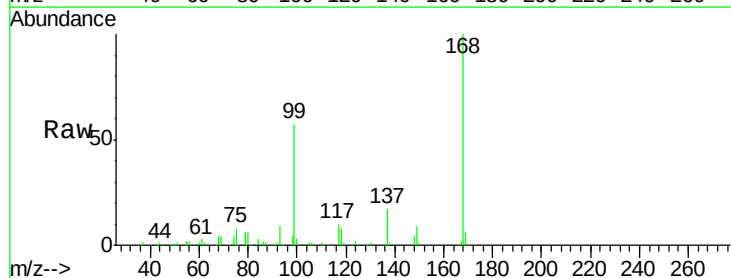
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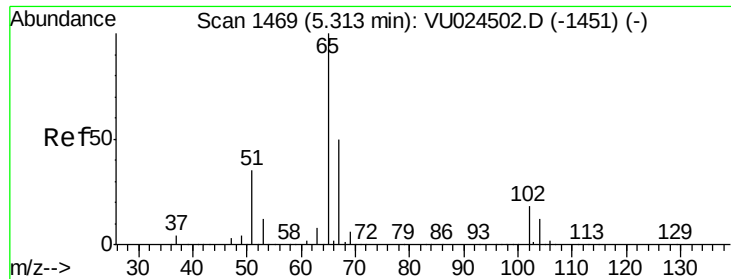
Tot Ion: 83 Resp: 153130
Ion Ratio Lower Upper
83 100
85 66.4 52.4 78.6



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025168.D
Acq: 03 Jul 2018 02:36

Tgt Ion: 56 Resp: 3938
Ion Ratio Lower Upper
56 100
69 176.8 24.8 37.2#
84 121.1 65.2 97.8#

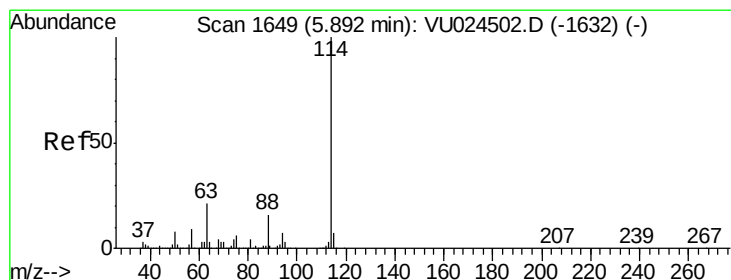
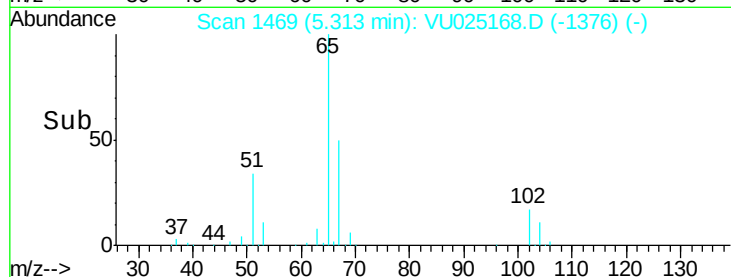
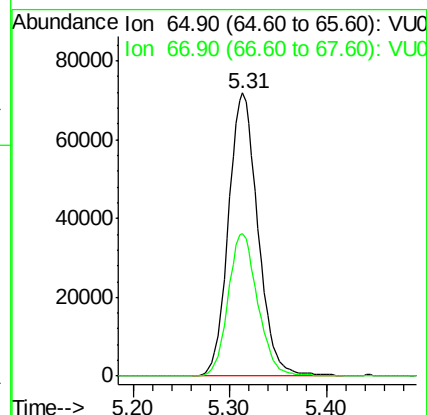
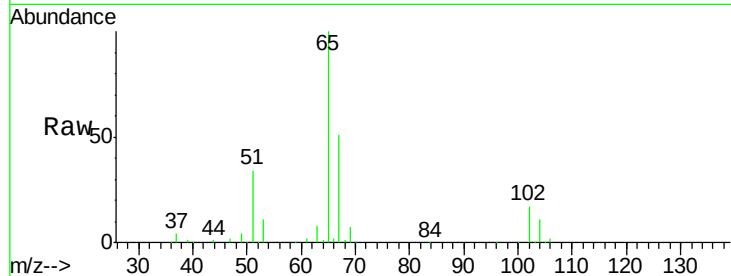




#33
 1,2-Dichloroethane-d4
 Concen: 46.517 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025168.D
 Acq: 03 Jul 2018 02:36

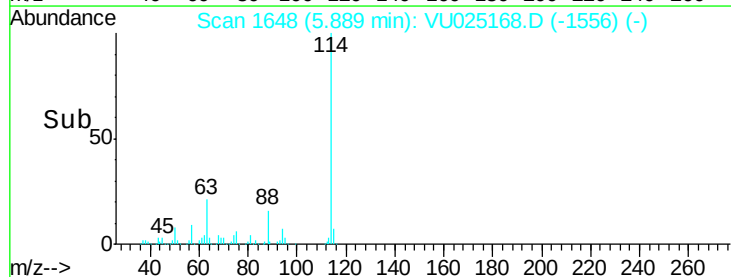
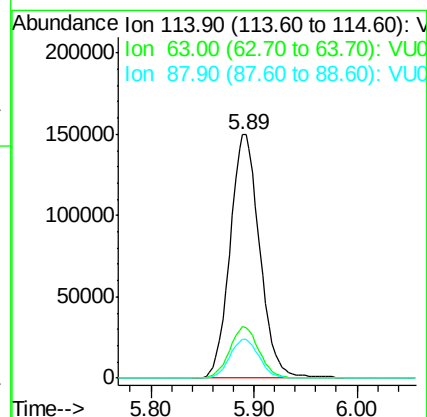
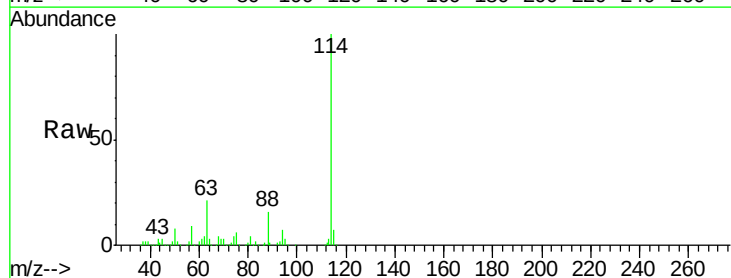
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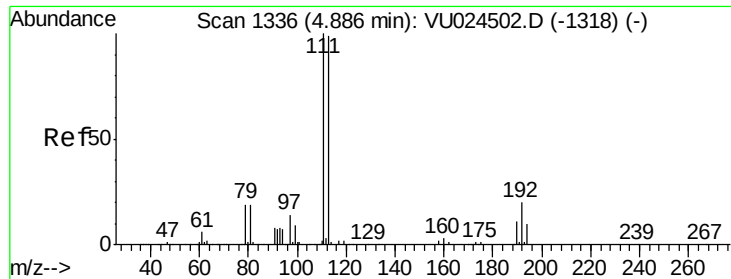
Tot Ion: 65 Resp: 151869
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025168.D
 Acq: 03 Jul 2018 02:36

Tgt Ion: 114 Resp: 300003
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 15.8 0.0 31.0

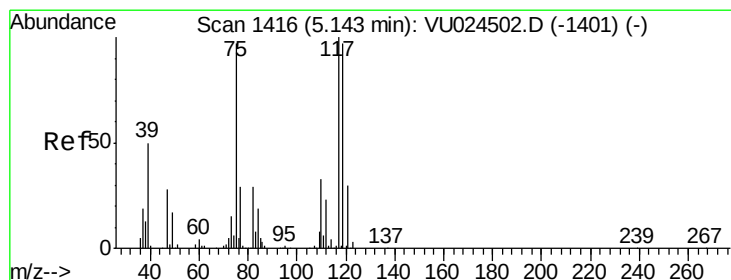
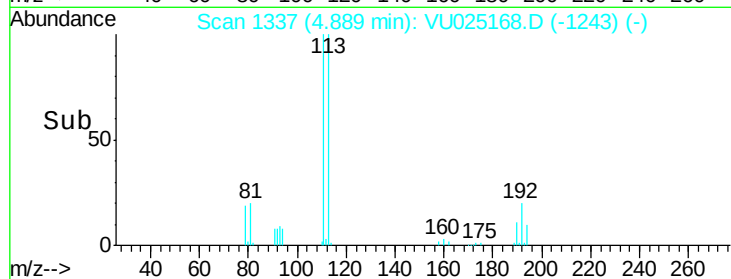
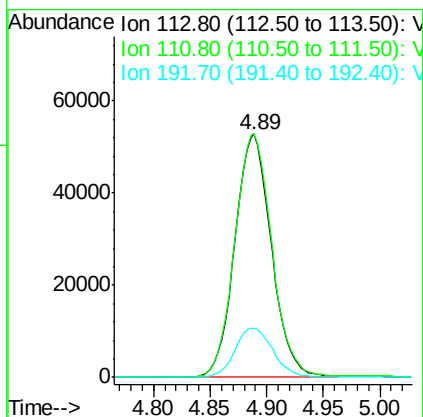
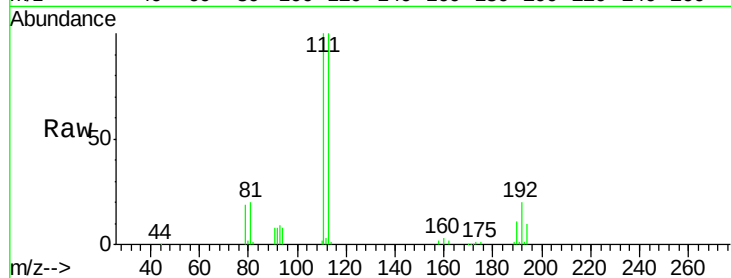




#35
 Dibromofluoromethane
 Concen: 47.659 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025168.D
 Acq: 03 Jul 2018 02:36

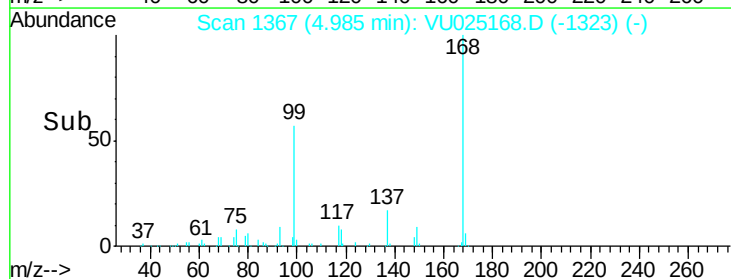
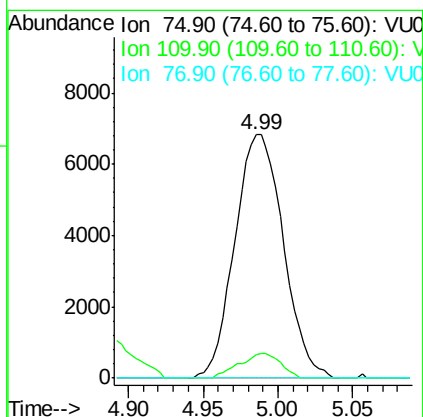
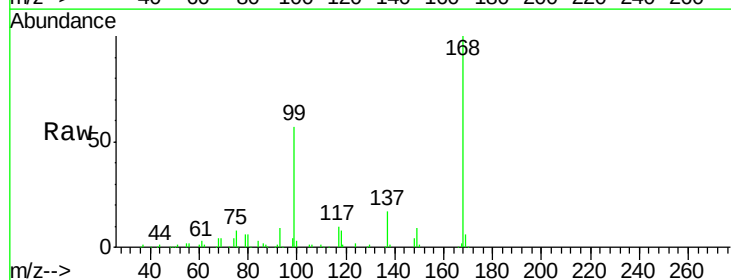
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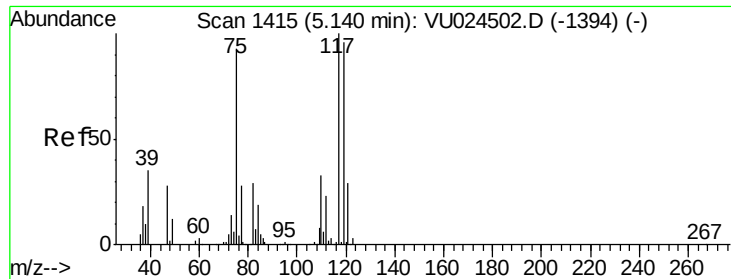
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.2	123.4
192	21.0	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.370 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025168.D
 Acq: 03 Jul 2018 02:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.053 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025168.D

Acq: 03 Jul 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

FINAL-EFF-062818

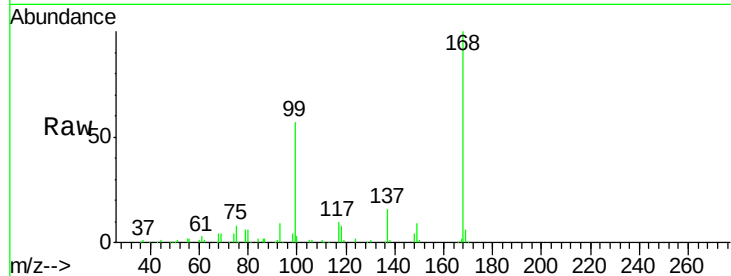
Tot Ion:117 Resp: 19587

Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

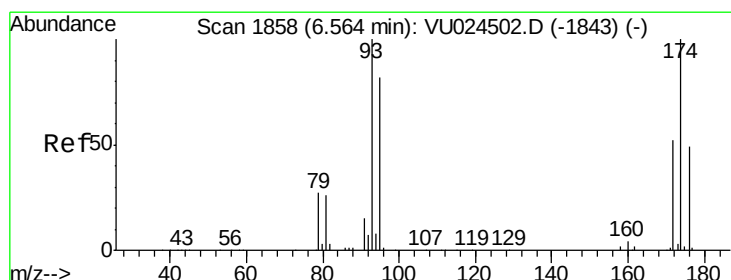
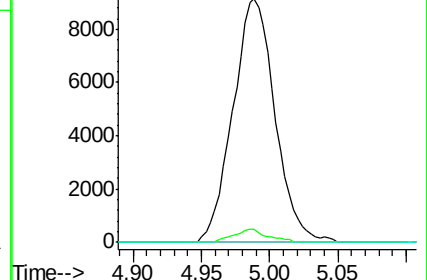
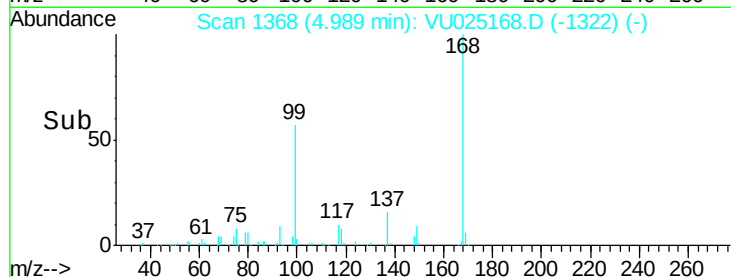
121 0.0 23.7 35.5#



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



#46

Dibromomethane

Concen: 0.369 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.20 min

Lab File: VU025168.D

Acq: 03 Jul 2018 02:36

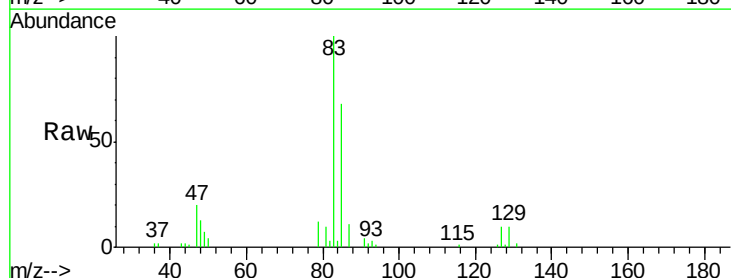
Tgt Ion: 93 Resp: 694

Ion Ratio Lower Upper

93 100

95 0.0 65.5 98.3#

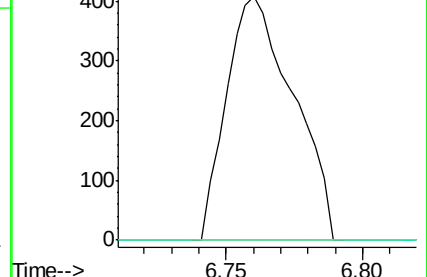
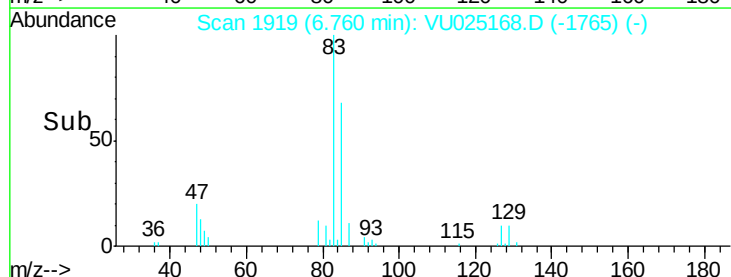
174 0.0 78.7 118.1#

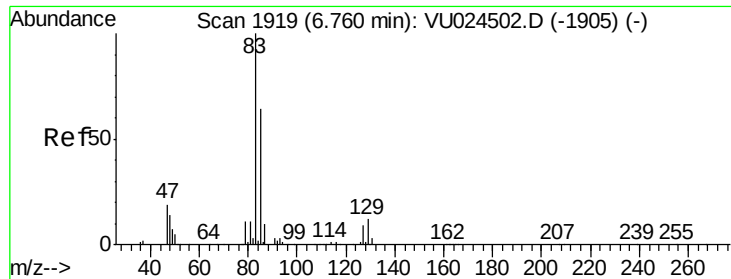


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

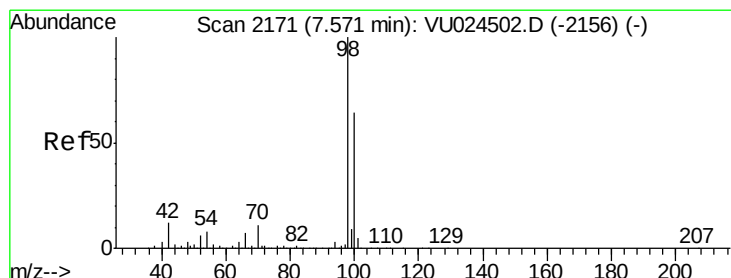
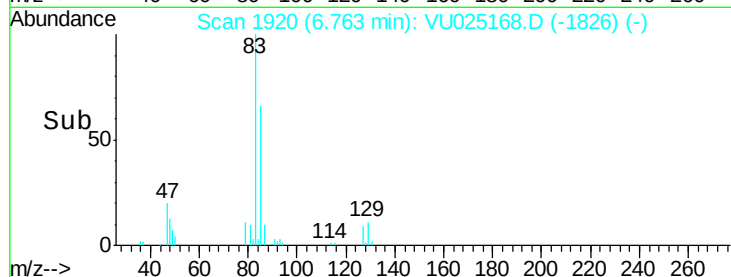
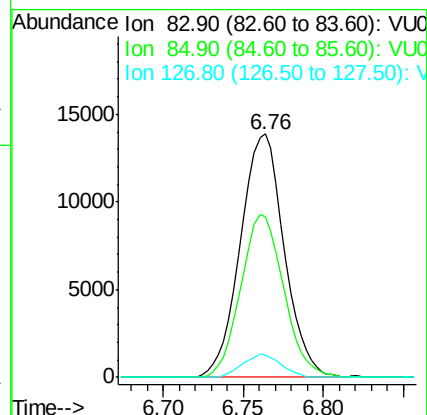
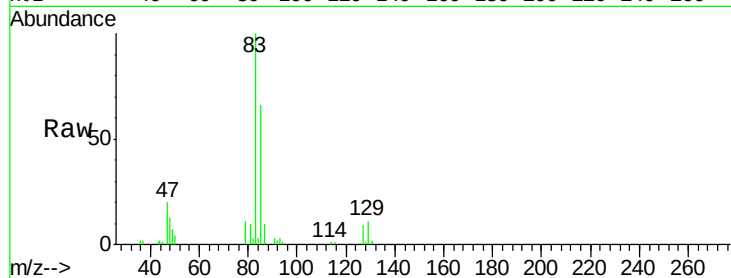




#47
Bromodichloromethane
Concen: 6.904 ug/l
RT: 6.76 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VU025168.D
Acq: 03 Jul 2018 02:36

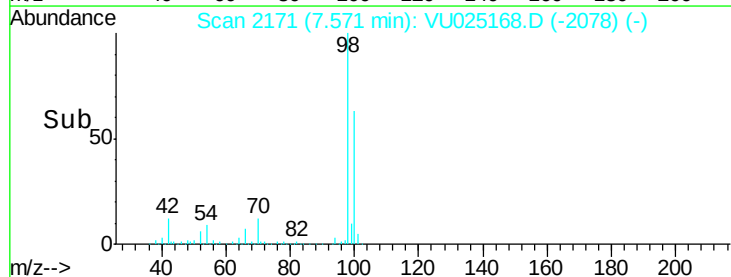
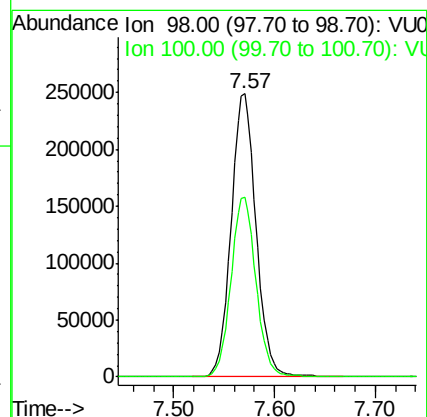
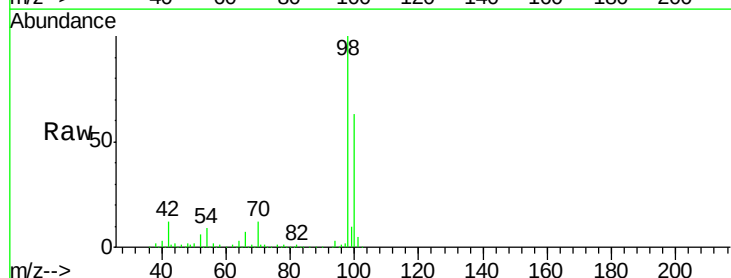
Instrument :
MSVOA_U
ClientSampleId :
FINAL-EFF-062818

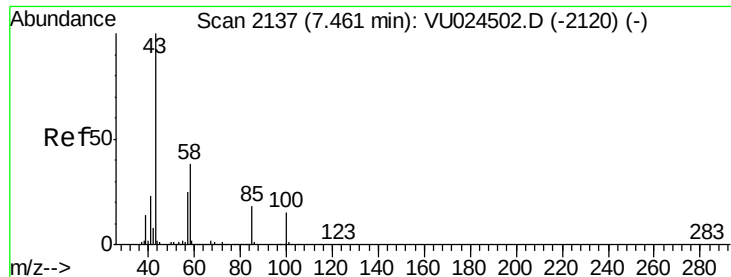
Tot Ion: 83 Resp: 25882
Ion Ratio Lower Upper
83 100
85 65.9 51.9 77.9
127 9.3 6.6 9.8



#50
Toluene-d8
Concen: 47.304 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025168.D
Acq: 03 Jul 2018 02:36

Tgt Ion: 98 Resp: 429607
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7

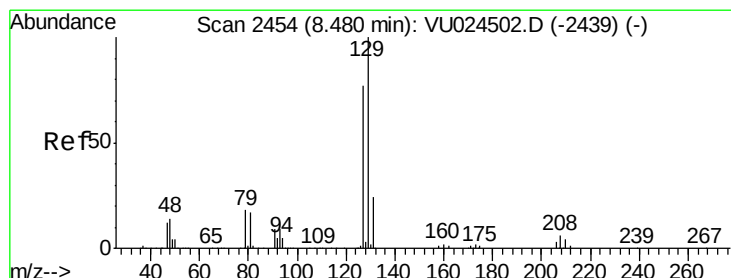
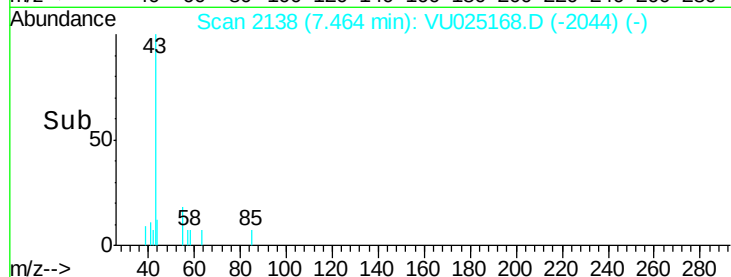
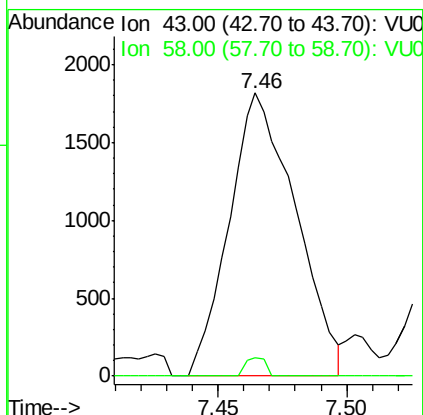
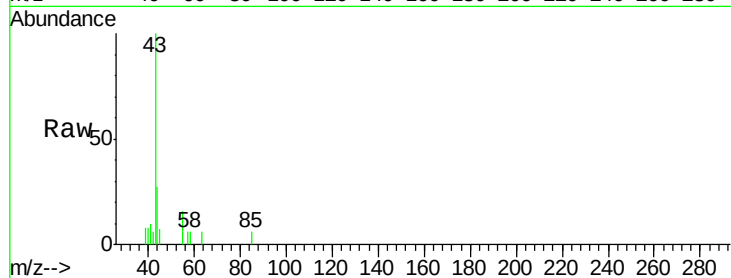




#51
 4-Methyl-2-Pentanone
 Concen: 0.783 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025168.D
 Acq: 03 Jul 2018 02:36

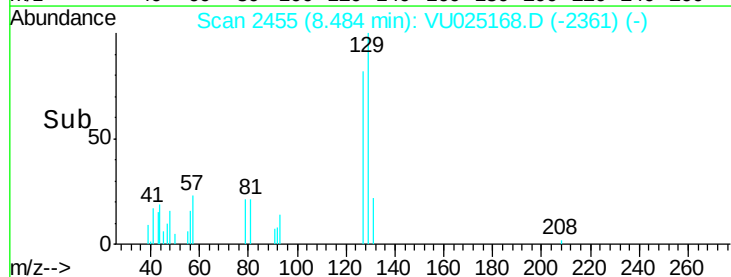
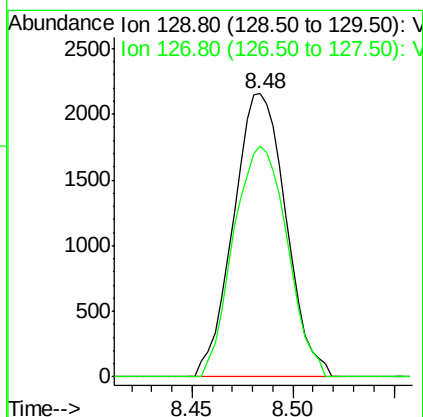
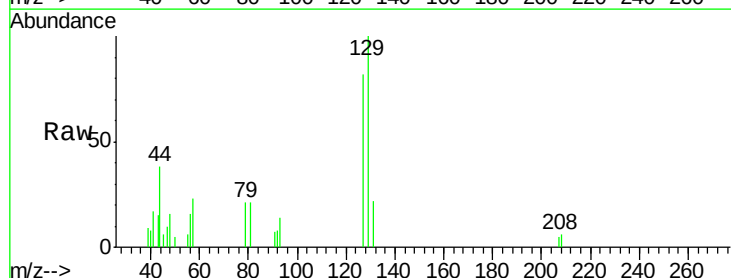
Instrument :
 MSVOA_U
 ClientSampleId :
 FINAL-EFF-062818

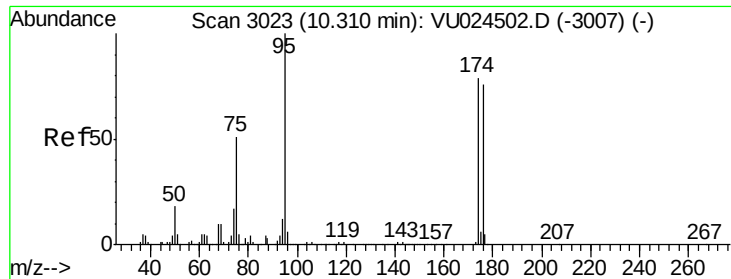
Tot Ion: 43 Resp: 3269
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.0 45.0#



#60
 Dibromochloromethane
 Concen: 1.199 ug/l
 RT: 8.48 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VU025168.D
 Acq: 03 Jul 2018 02:36

Tgt Ion: 129 Resp: 3929
 Ion Ratio Lower Upper
 129 100
 127 83.3 38.6 116.0





#62

4-Bromofluorobenzene

Concen: 43.469 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025168.D

Acq: 03 Jul 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

FINAL-EFF-062818

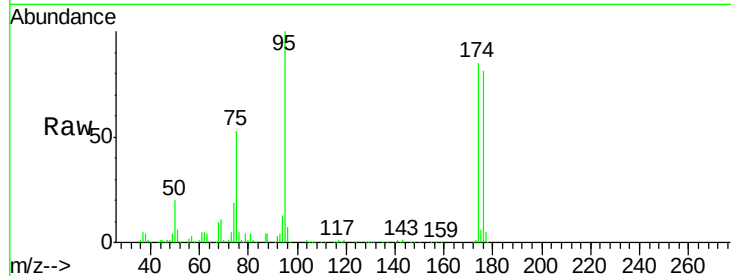
Tot Ion: 95 Resp: 156740

Ion Ratio Lower Upper

95 100

174 85.7 0.0 165.8

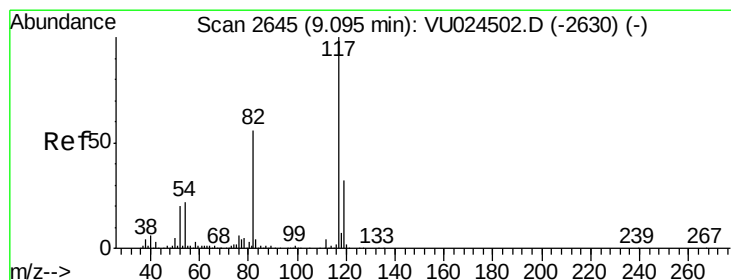
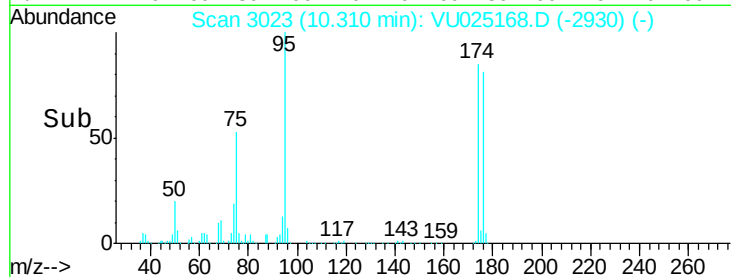
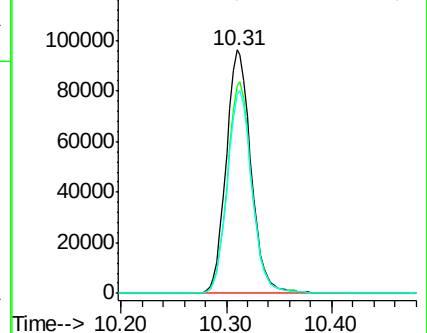
176 82.7 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): VU0

Ion 175.80 (175.50 to 176.50): VU0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025168.D

Acq: 03 Jul 2018 02:36

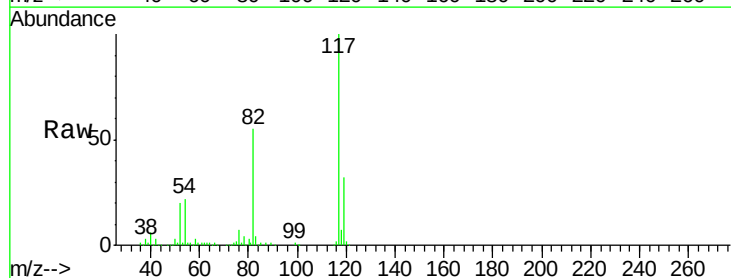
Tgt Ion: 117 Resp: 276811

Ion Ratio Lower Upper

117 100

82 54.7 44.3 66.5

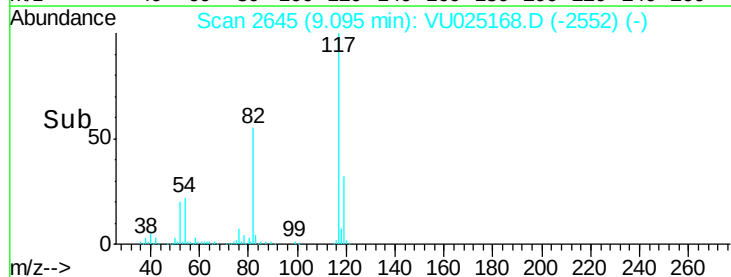
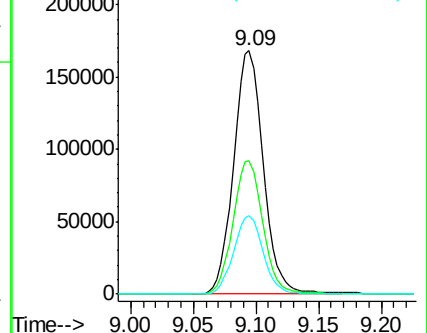
119 32.4 25.4 38.2

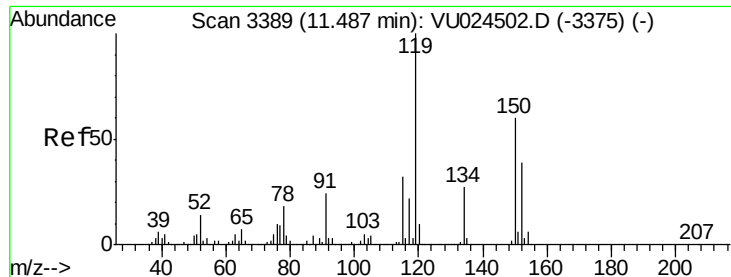


Abundance Ion 116.90 (116.60 to 117.60): VU0

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): 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: VU025168.D

Acq: 03 Jul 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

FINAL-EFF-062818

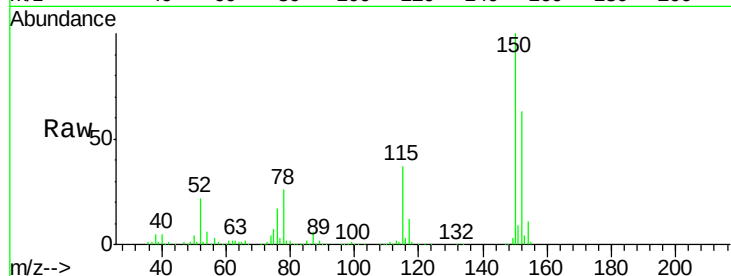
Tot Ion:152 Resp: 142458

Ion Ratio Lower Upper

152 100

115 58.0 43.0 129.0

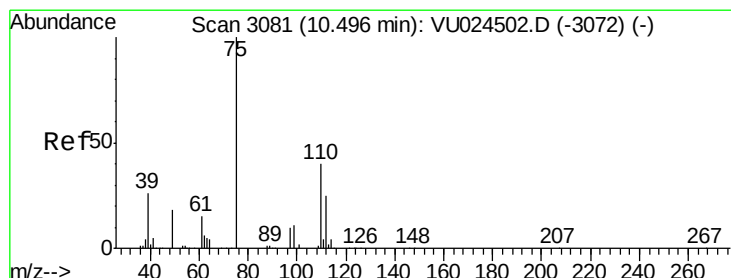
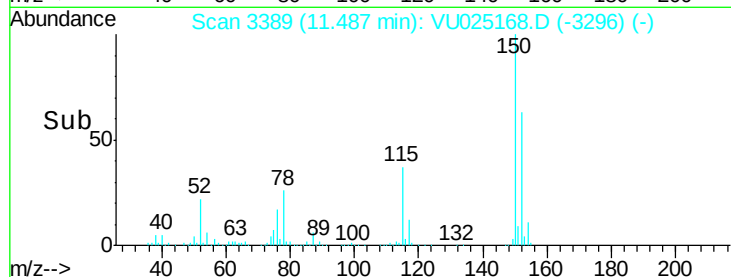
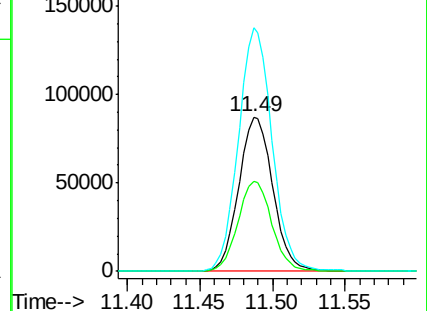
150 156.0 0.0 354.0



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: 26.356 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025168.D

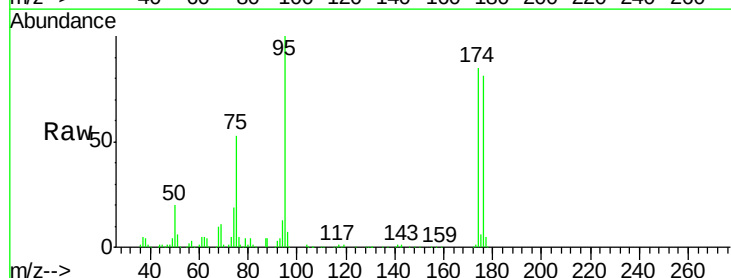
Acq: 03 Jul 2018 02:36

Tgt Ion: 75 Resp: 82662

Ion Ratio Lower Upper

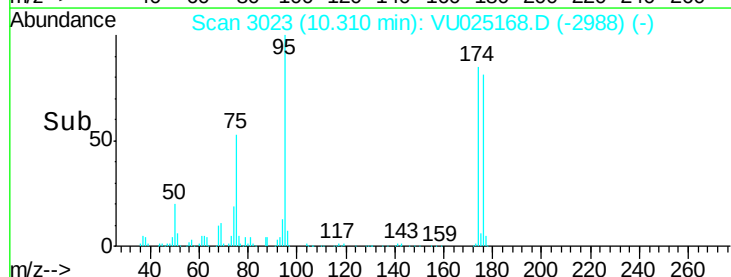
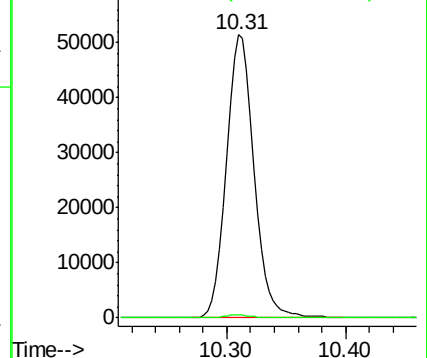
75 100

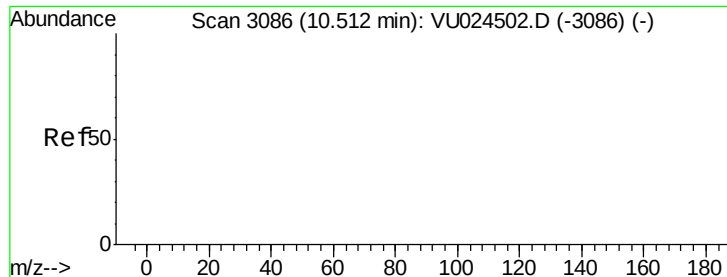
77 1.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

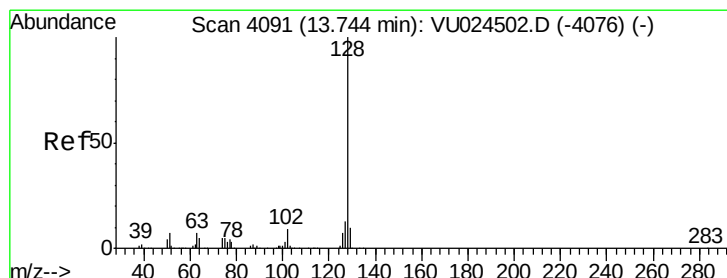
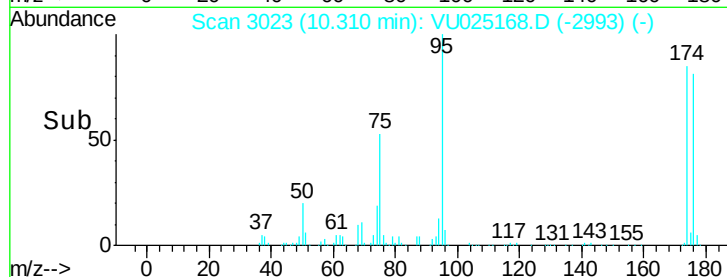
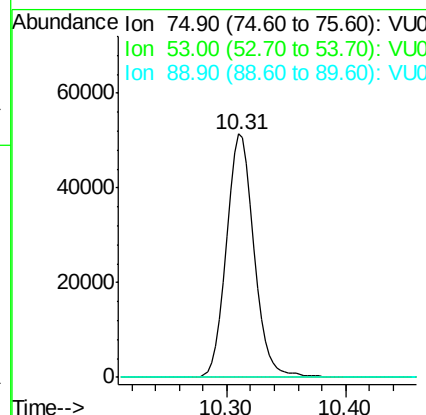
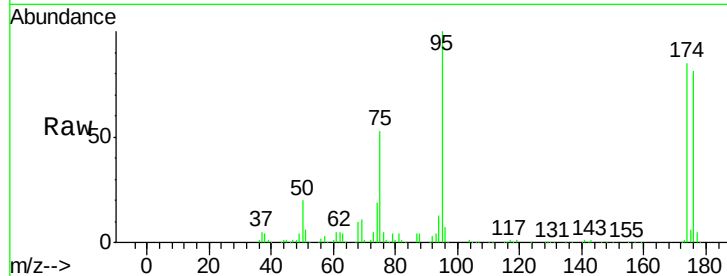




#81
trans-1,4-Dichloro-2-butene
Concen: 60.998 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU025168.D
Acq: 03 Jul 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
FINAL-EFF-062818

Tot Ion: 75 Resp: 82662
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 0.708 ug/l
RT: 13.79 min Scan# 4104
Delta R.T. 0.04 min
Lab File: VU025168.D
Acq: 03 Jul 2018 02:36

Tgt Ion: 128 Resp: 304
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

