

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111218\
 Data File : VU028061.D
 Acq On : 12 Nov 2018 13:44
 Operator : MD/SY
 Sample : J5885-12RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 R-3

Quant Time: Nov 13 02:44:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	170675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	321474	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	111478	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	148809	58.64	ug/l	0.00
Spiked Amount			Recovery	=	117.28%	
35) Dibromofluoromethane	4.88	113	107589	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
50) Toluene-d8	7.57	98	415217	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
62) 4-Bromofluorobenzene	10.31	95	133353	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	

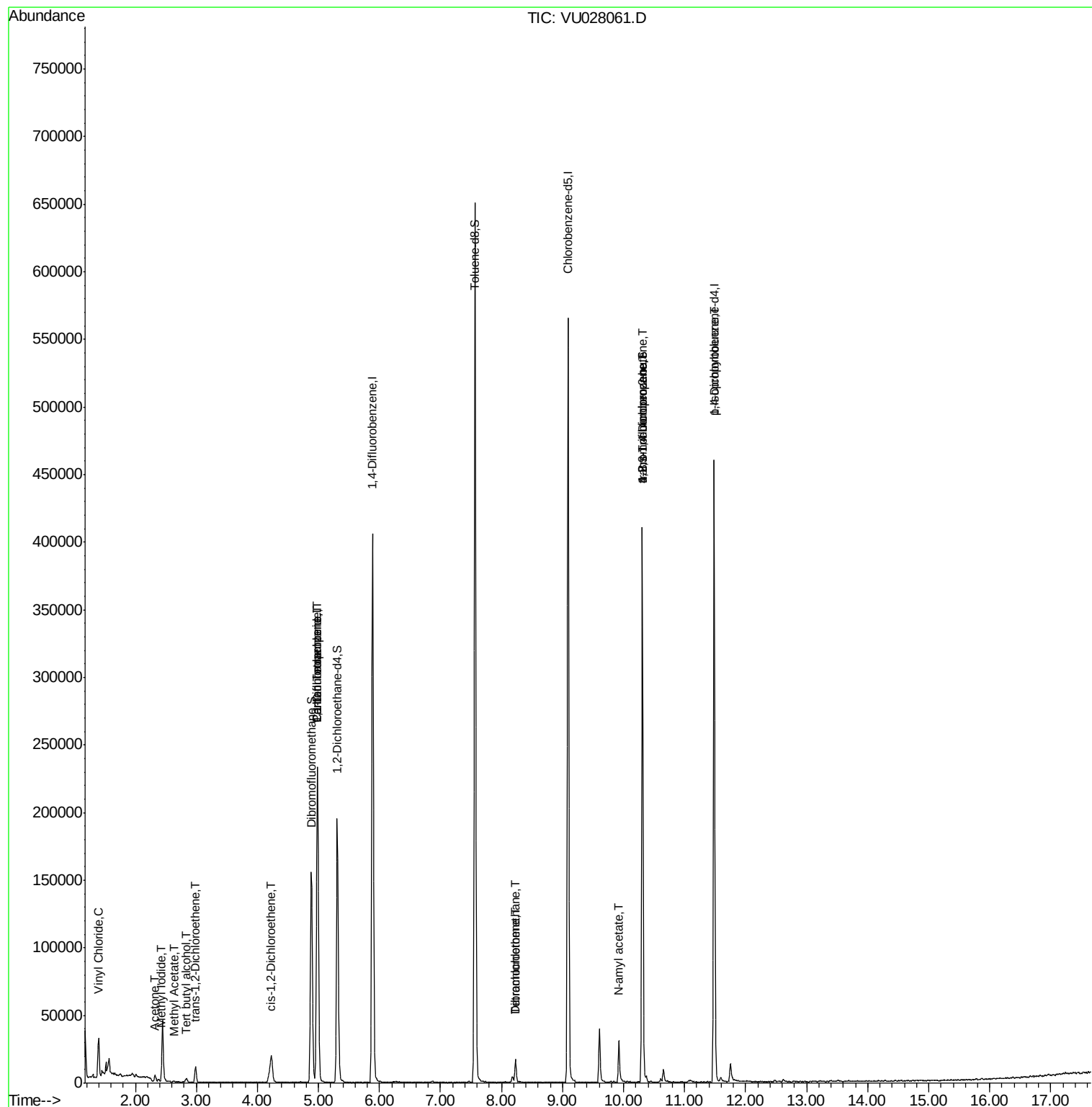
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	10024	3.851	ug/l	97
10) Methyl Iodide	2.41	142	153	7.839	ug/l #	55
11) Tert butyl alcohol	2.83	59	2463	3.666	ug/l #	83
13) Acrolein	2.19	56	191	Below Cal	#	1
16) Acetone	2.32	43	5242	3.330	ug/l	96
18) Methyl Acetate	2.62	43	1047	0.242	ug/l #	58
21) trans-1,2-Dichloroethene	2.99	96	4507	2.183	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	9214	3.980	ug/l	95
31) Cyclohexane	4.98	56	4174	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	16318	4.847	ug/l #	49
38) Carbon Tetrachloride	4.98	117	17623	5.906	ug/l #	16
60) Dibromochloromethane	8.23	129	3766	1.616	ug/l #	10
64) Tetrachloroethene	8.23	164	3597	1.942	ug/l	98
74) N-amyl acetate	9.92	43	22962	4.397	ug/l #	50
76) 1,2,3-Trichloropropane	10.31	75	71083	23.312	ug/l #	34
81) trans-1,4-Dichloro-2-buten	10.31	75	71083	58.161	ug/l #	100
86) p-Isopropyltoluene	11.48	119	2395	0.329	ug/l #	86
95) Naphthalene	13.77	128	162	Below Cal	#	69

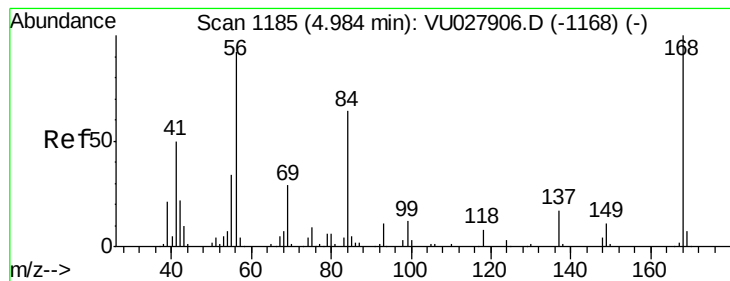
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028061.D

Acq: 12 Nov 2018 13:44

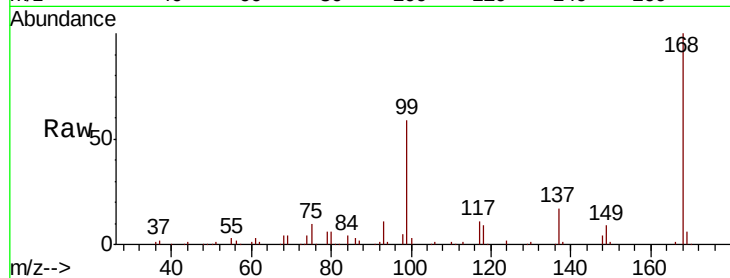
Instrument :
MSVOA_U
ClientSampleId :
R-3

Tot Ion:168 Resp: 170675

Ion Ratio Lower Upper

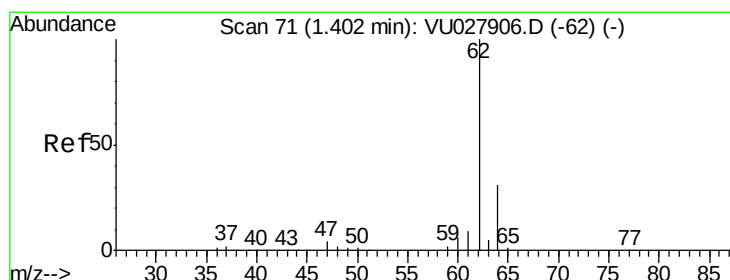
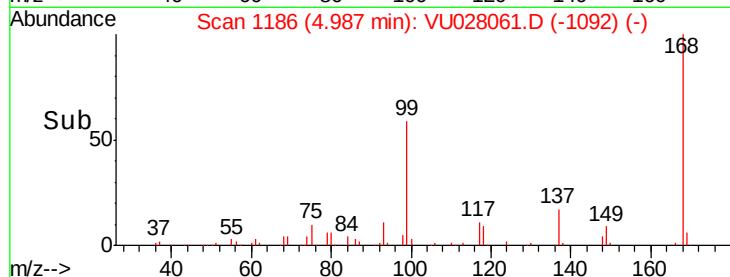
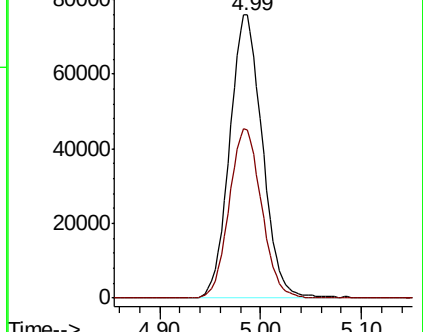
168 100

99 59.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028061.D (-1092) (-)



#4

Vinyl Chloride

Concen: 3.851 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028061.D

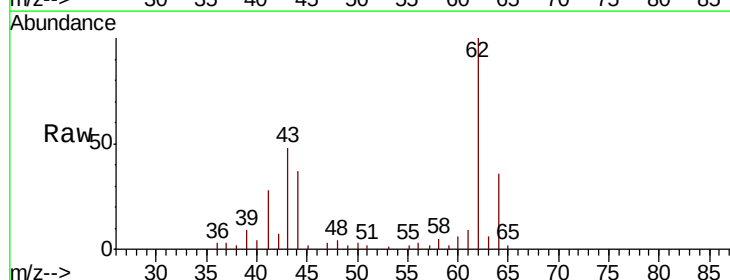
Acq: 12 Nov 2018 13:44

Tgt Ion: 62 Resp: 10024

Ion Ratio Lower Upper

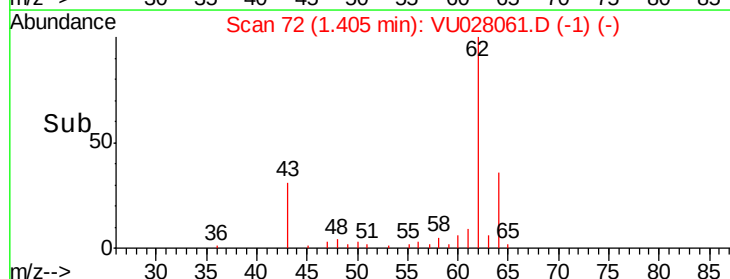
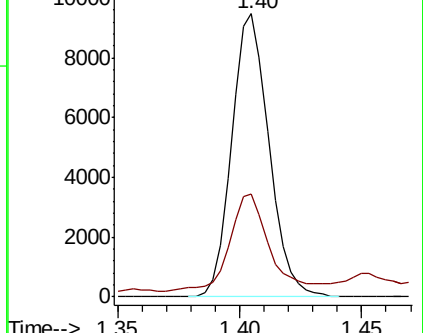
62 100

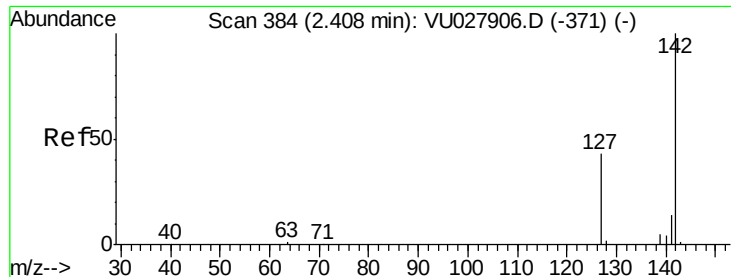
64 32.9 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU028061.D (-1) (-)

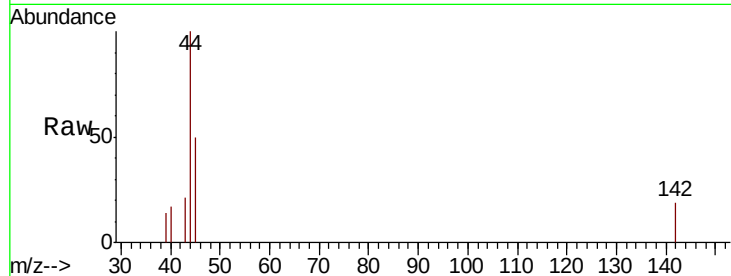




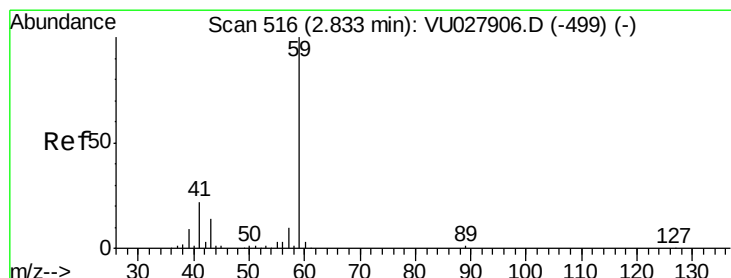
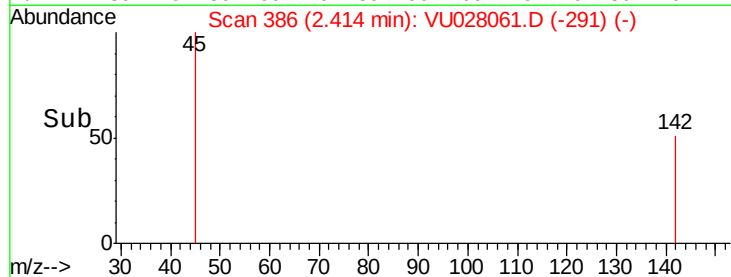
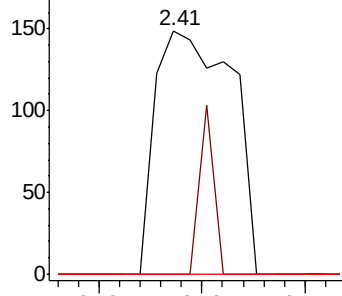
#10
Methyl Iodide
Concen: 7.839 ug/l
RT: 2.41 min Scan# 386
Delta R.T. 0.01 min
Lab File: VU028061.D
Acq: 12 Nov 2018 13:44

Instrument :
MSVOA_U
ClientSampleId :
R-3

Tot Ion:142 Resp: 153
Ion Ratio Lower Upper
142 100
127 13.1 35.2 52.8#
141 0.0 11.8 17.8#

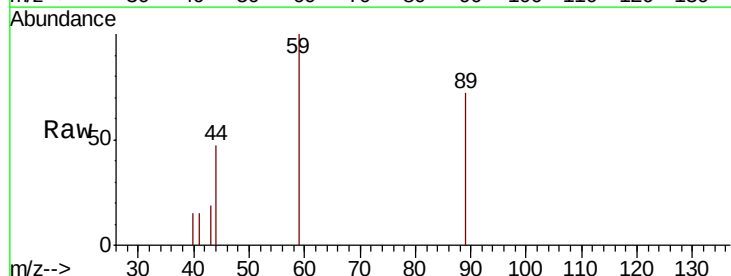


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

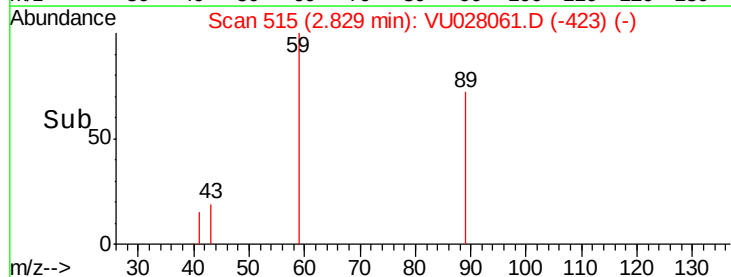
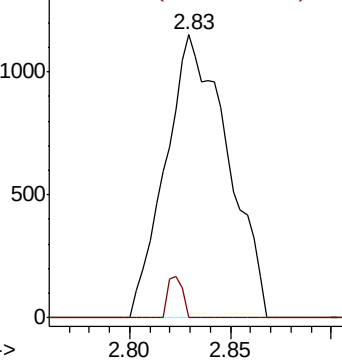


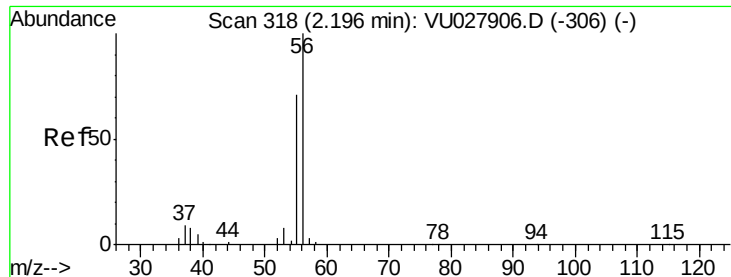
#11
Tert butyl alcohol
Concen: 3.666 ug/l
RT: 2.83 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU028061.D
Acq: 12 Nov 2018 13:44

Tgt Ion: 59 Resp: 2463
Ion Ratio Lower Upper
59 100
57 3.5 7.8 11.8#



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





#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 316

Delta R.T. -0.01 min

Lab File: VU028061.D

Acq: 12 Nov 2018 13:44

Instrument :

MSVOA_U

ClientSampleId :

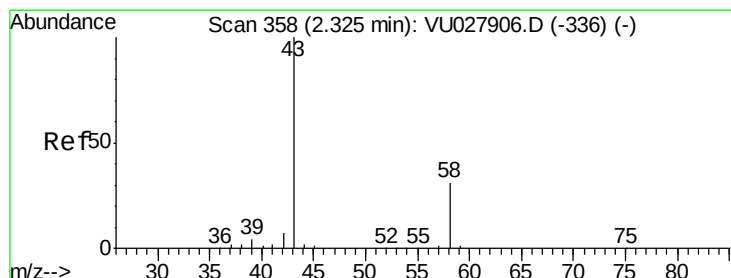
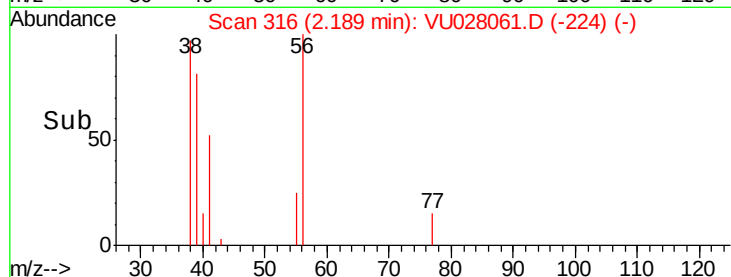
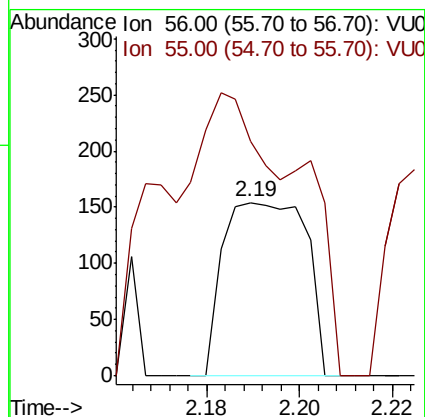
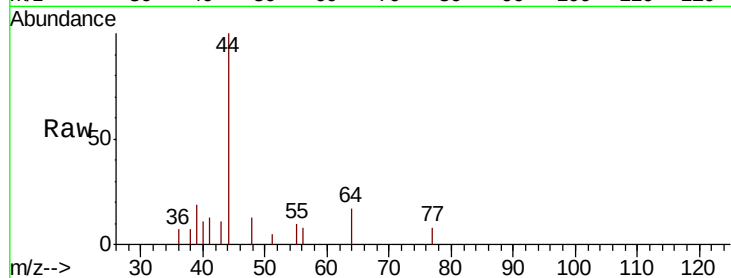
R-3

Tot Ion: 56 Resp: 191

Ion Ratio Lower Upper

56 100

55 263.9 56.2 84.4#



#16

Acetone

Concen: 3.330 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028061.D

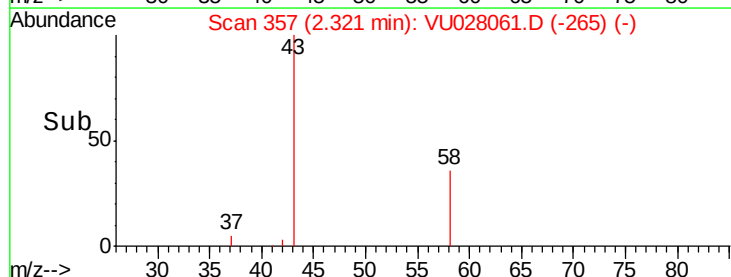
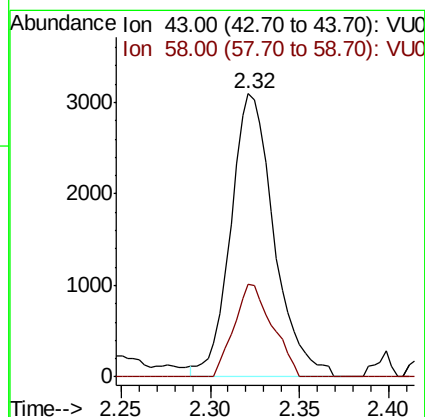
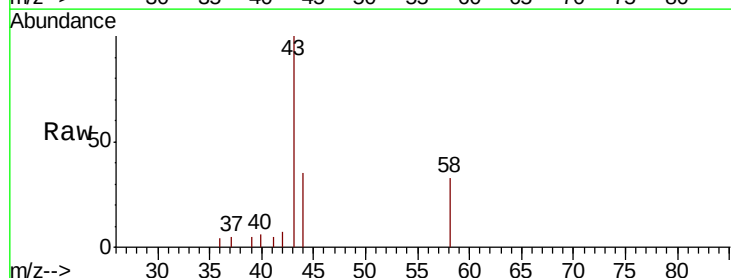
Acq: 12 Nov 2018 13:44

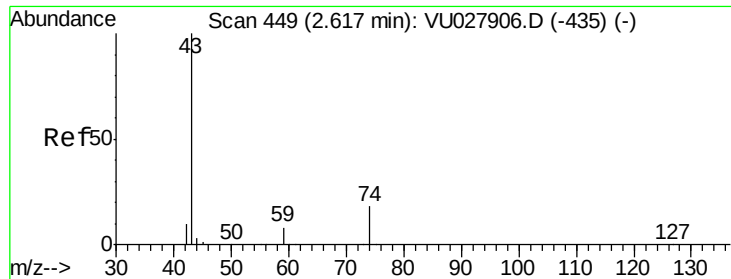
Tgt Ion: 43 Resp: 5242

Ion Ratio Lower Upper

43 100

58 32.9 24.6 37.0

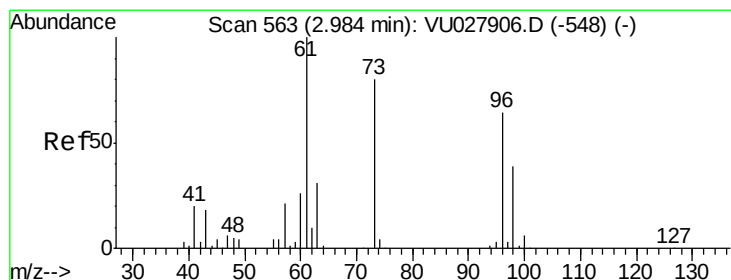
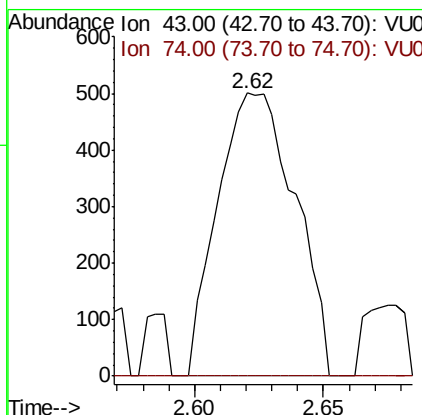
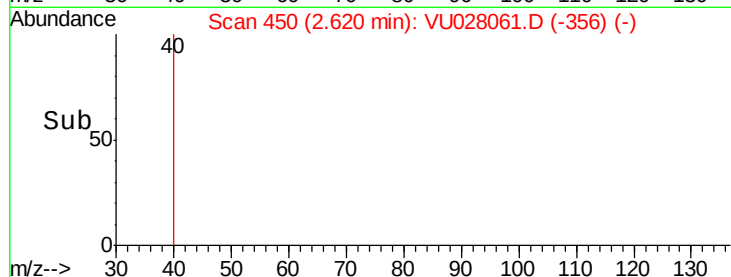
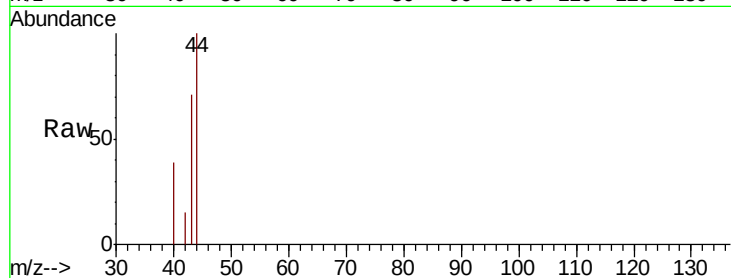




#18
Methyl Acetate
Concen: 0.242 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU028061.D
Acq: 12 Nov 2018 13:44

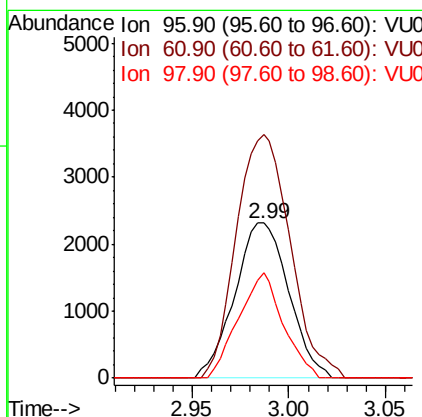
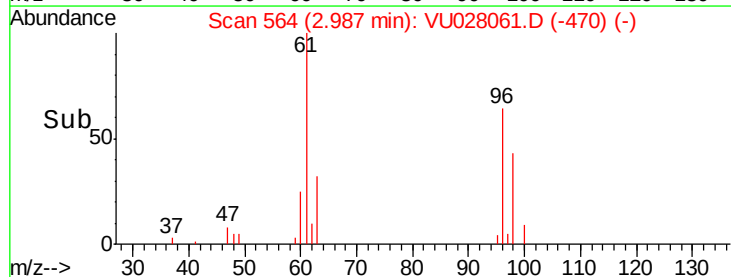
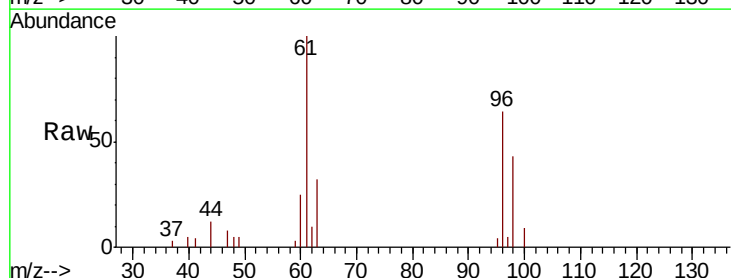
Instrument :
MSVOA_U
ClientSampled :
R-3

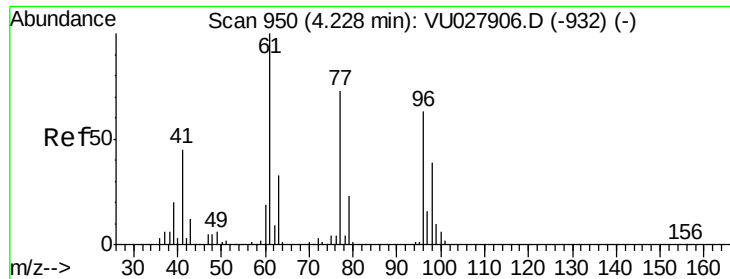
Tot Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
74 0.0 14.9 22.3#



#21
trans-1,2-Dichloroethene
Concen: 2.183 ug/l
RT: 2.99 min Scan# 564
Delta R.T. 0.00 min
Lab File: VU028061.D
Acq: 12 Nov 2018 13:44

Tgt Ion: 96 Resp: 4507
Ion Ratio Lower Upper
96 100
61 157.0 125.0 187.6
98 67.6 48.2 72.4



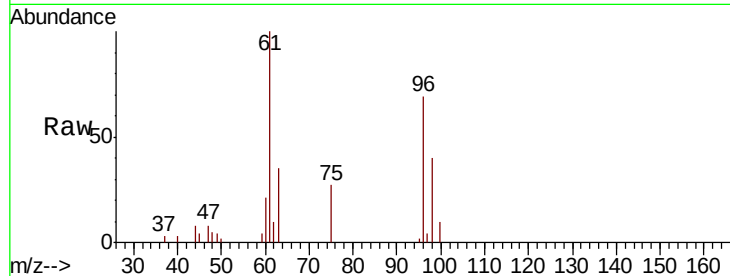


#27

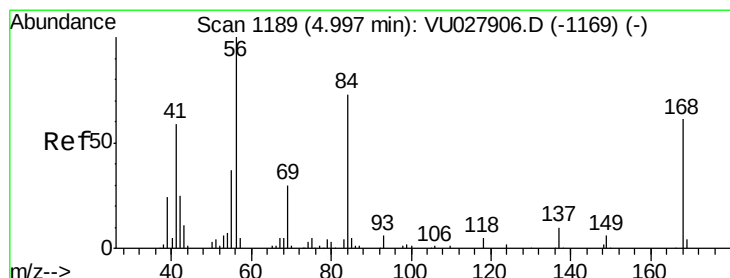
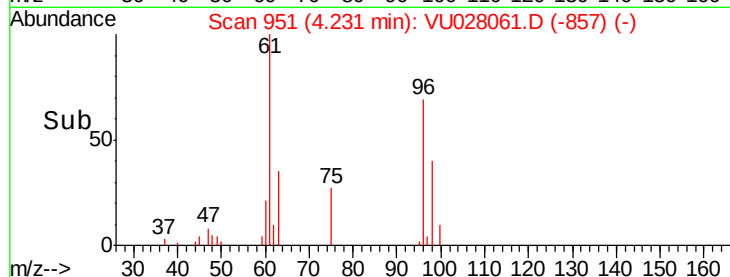
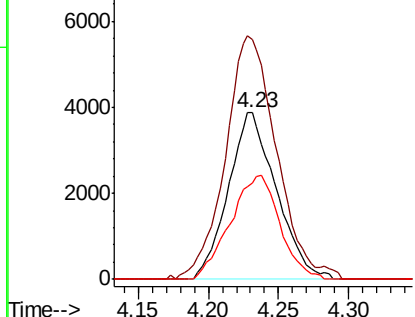
cis-1,2-Dichloroethene
 Concen: 3.980 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU028061.D
 Acq: 12 Nov 2018 13:44

Instrument :
 MSVOA_U
 ClientSampleId :
 R-3

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.0	0.0	329.6
98	64.6	0.0	127.2



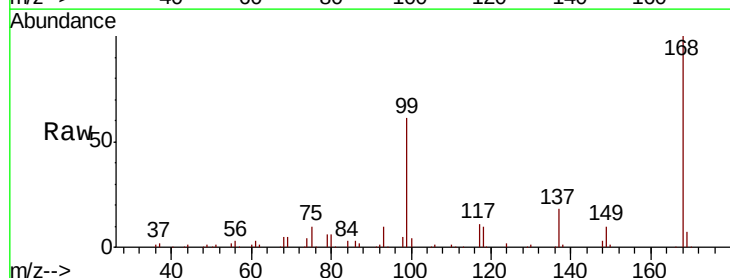
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



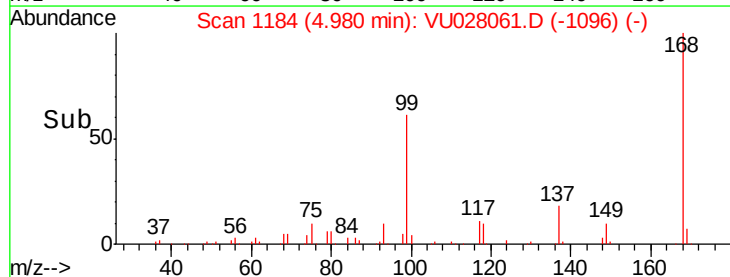
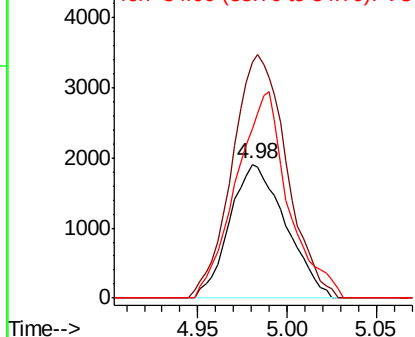
#31

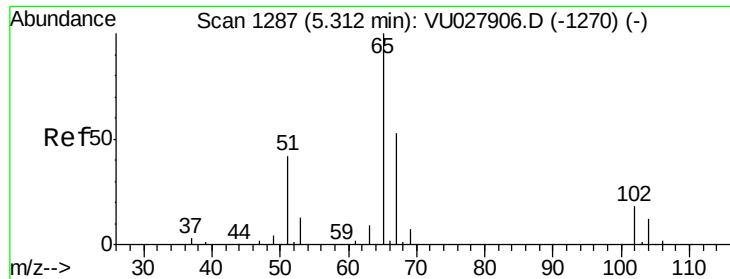
Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VU028061.D
 Acq: 12 Nov 2018 13:44

Tgt Ion	Ratio	Lower	Upper
56	100		
69	176.8	23.7	35.5#
84	126.3	58.2	87.4#



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

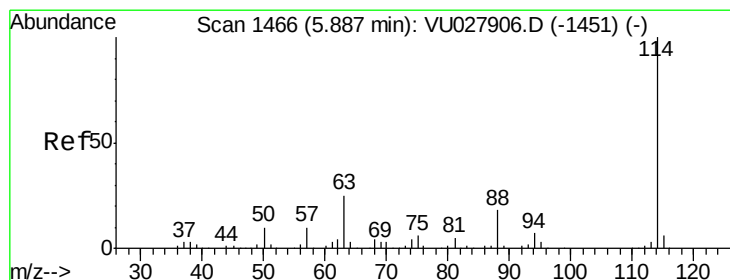
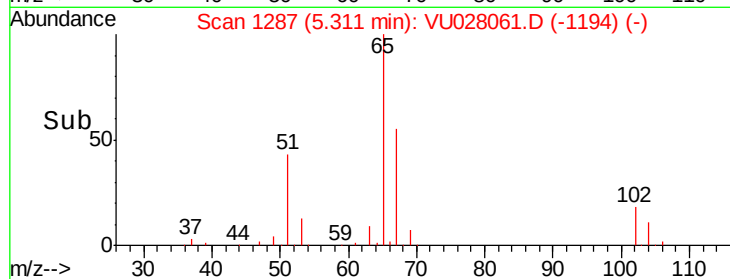
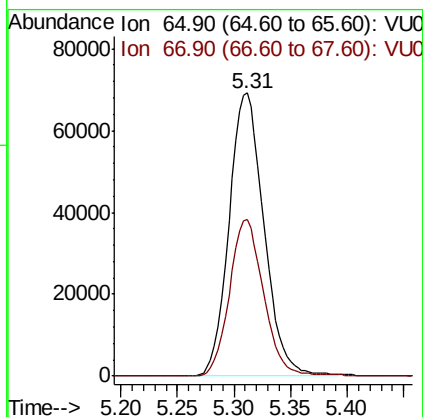
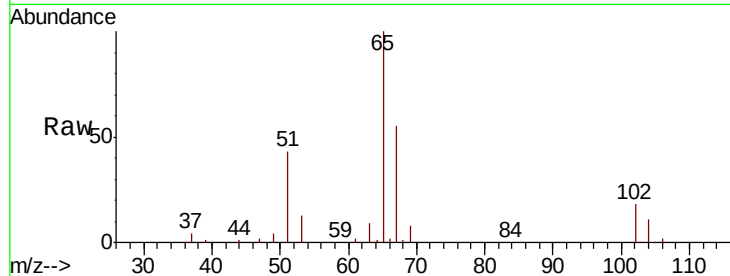




#33
 1,2-Dichloroethane-d4
 Concen: 58.644 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028061.D
 Acq: 12 Nov 2018 13:44

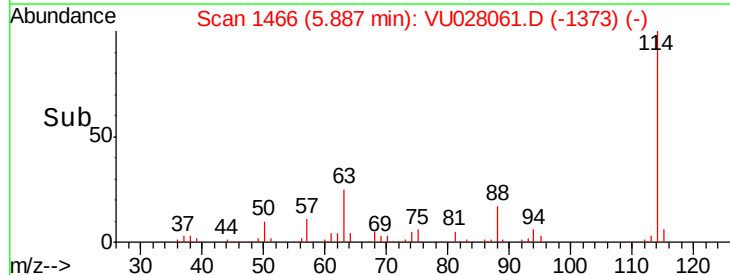
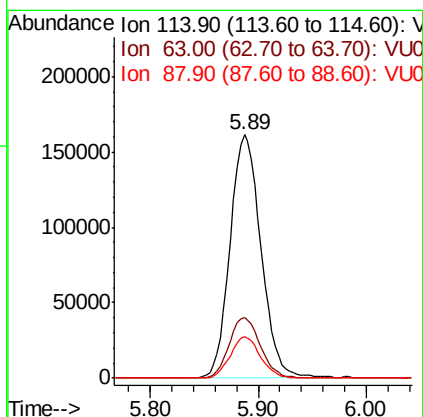
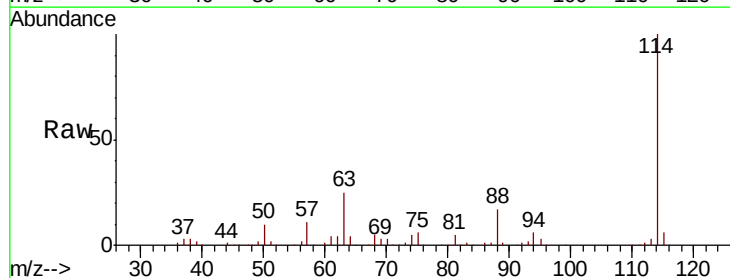
Instrument :
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 ClientSampleId :
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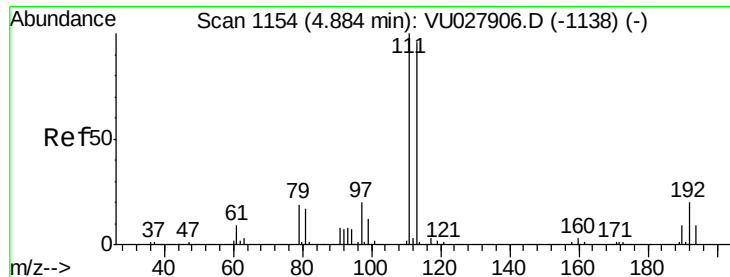
Tot Ion: 65 Resp: 148809
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028061.D
 Acq: 12 Nov 2018 13:44

Tgt Ion: 114 Resp: 321474
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 50.8
 88 17.2 0.0 35.8

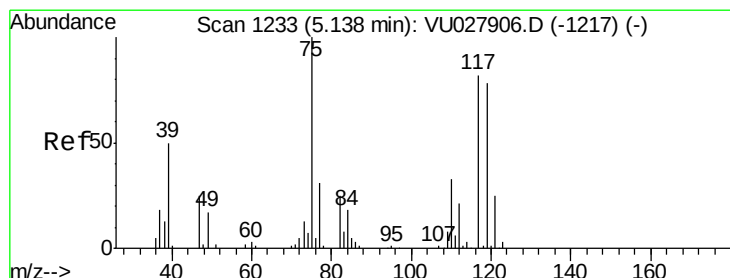
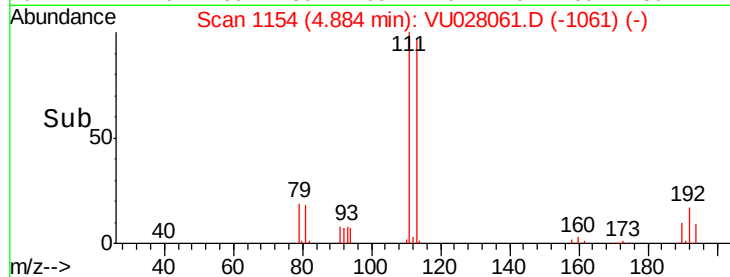
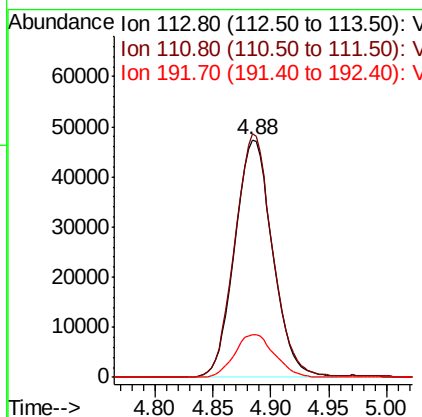
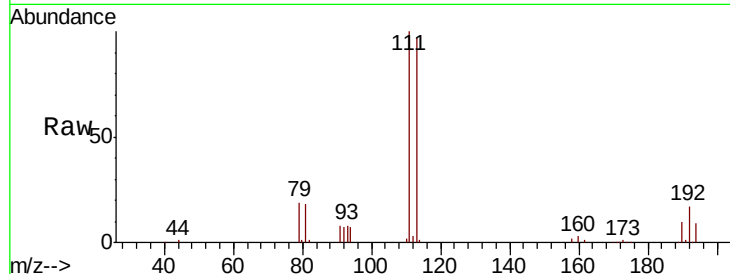




#35
 Dibromofluoromethane
 Concen: 53.079 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028061.D
 Acq: 12 Nov 2018 13:44

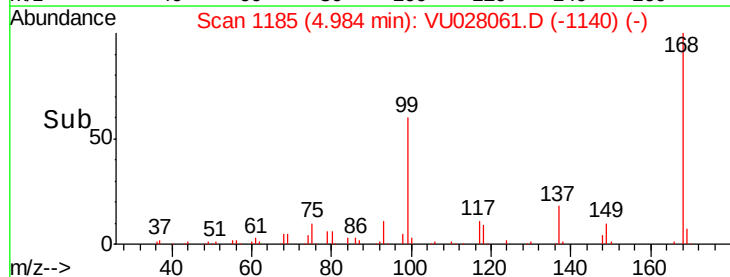
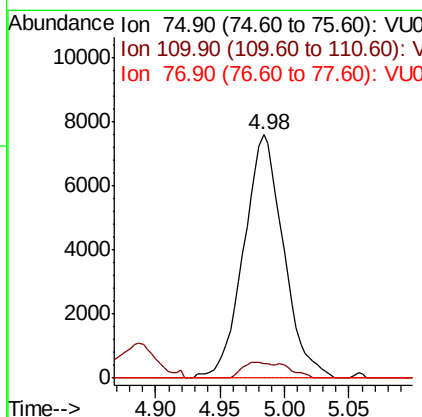
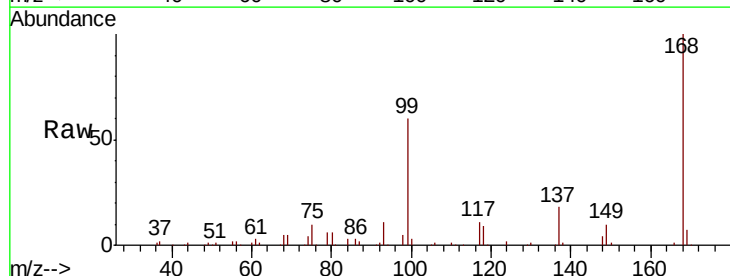
Instrument :
 MSVOA_U
 ClientSampleId :
 R-3

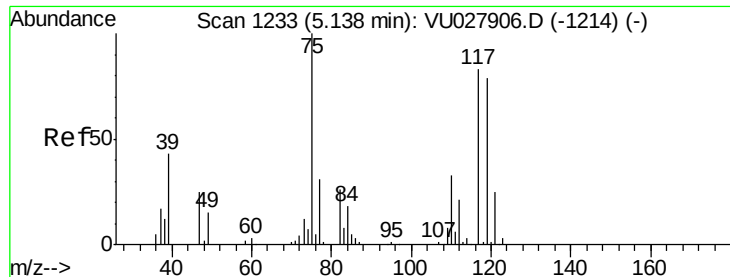
Tot Ion:113 Resp: 107589
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.0 124.6
 192 19.2 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.847 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028061.D
 Acq: 12 Nov 2018 13:44

Tgt Ion: 75 Resp: 16318
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.5 49.5#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.906 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028061.D

Acq: 12 Nov 2018 13:44

Instrument :

MSVOA_U

ClientSampleId :

R-3

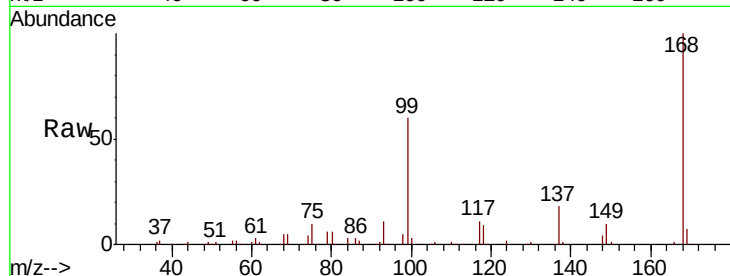
Tot Ion:117 Resp: 17623

Ion Ratio Lower Upper

117 100

119 4.6 76.0 114.0#

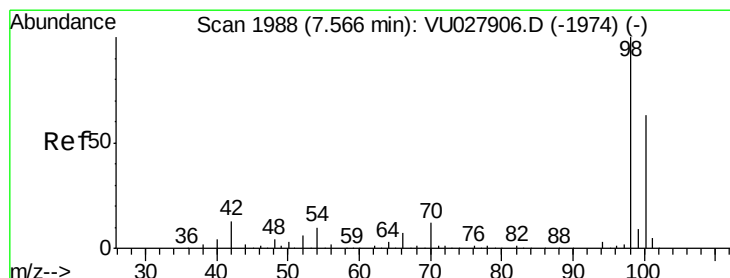
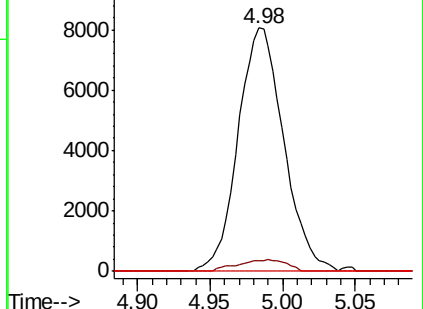
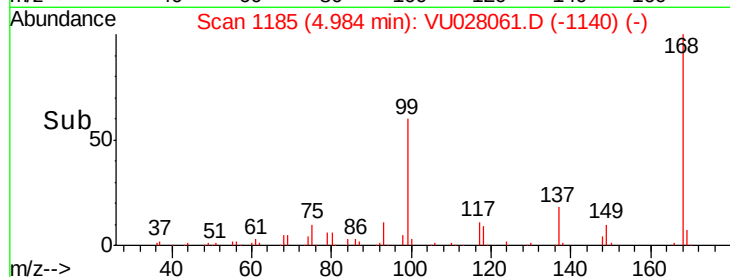
121 0.0 24.5 36.7#



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: 53.030 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028061.D

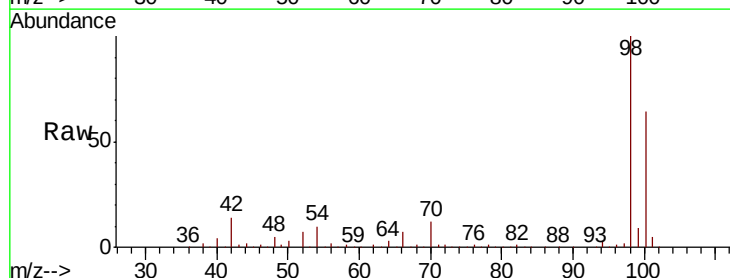
Acq: 12 Nov 2018 13:44

Tgt Ion: 98 Resp: 415217

Ion Ratio Lower Upper

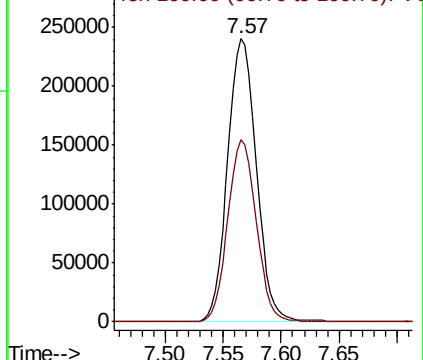
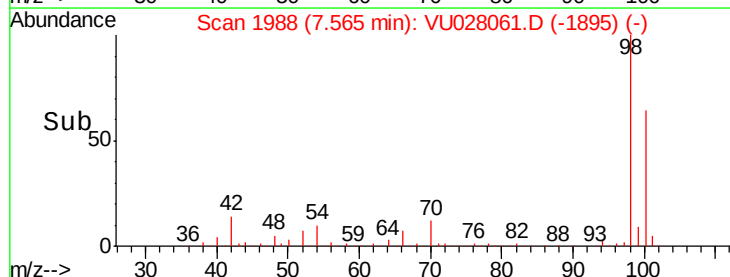
98 100

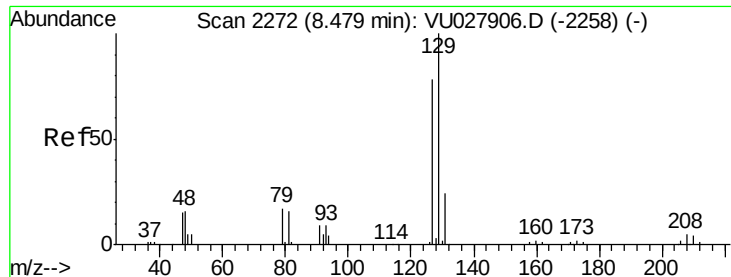
100 63.7 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#60

Dibromochloromethane

Concen: 1.616 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028061.D

Acq: 12 Nov 2018 13:44

Instrument :

MSVOA_U

ClientSampled :

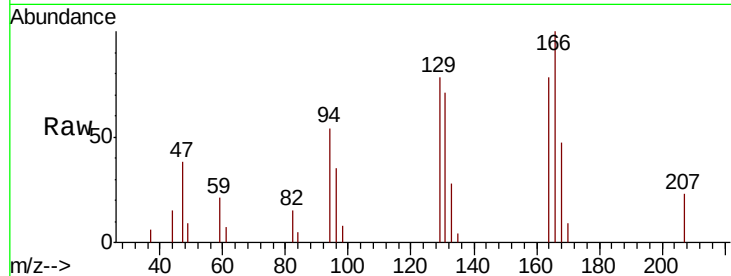
R-3

Tot Ion:129 Resp: 3766

Ion Ratio Lower Upper

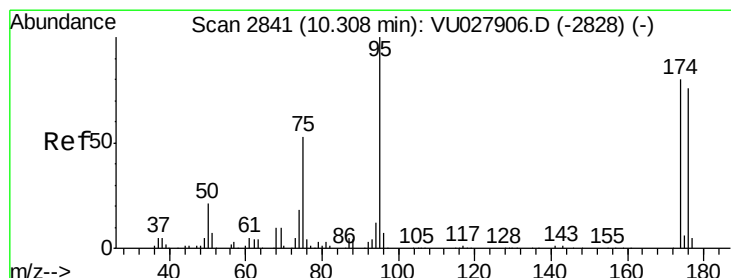
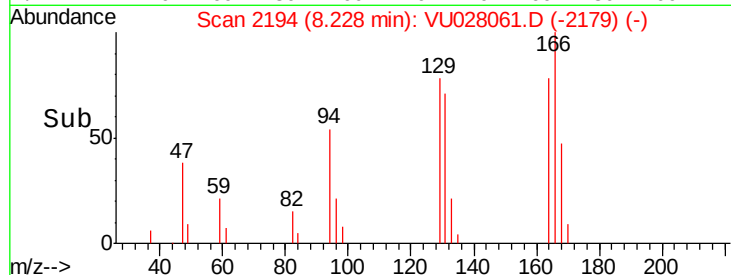
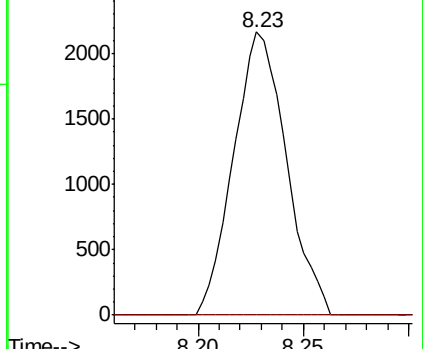
129 100

127 0.0 39.2 117.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.175 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028061.D

Acq: 12 Nov 2018 13:44

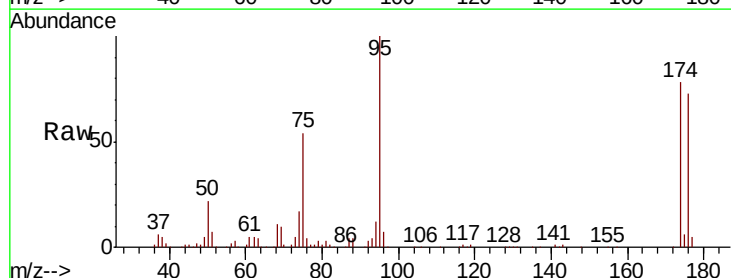
Tgt Ion: 95 Resp: 133353

Ion Ratio Lower Upper

95 100

174 75.5 0.0 156.4

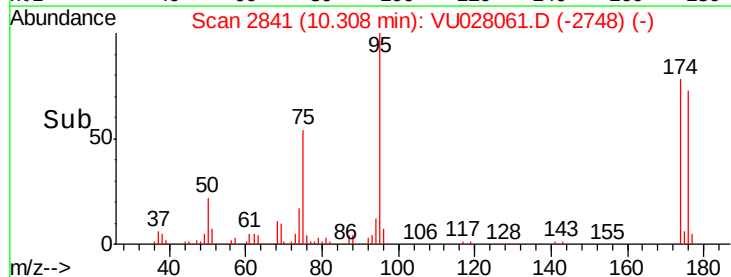
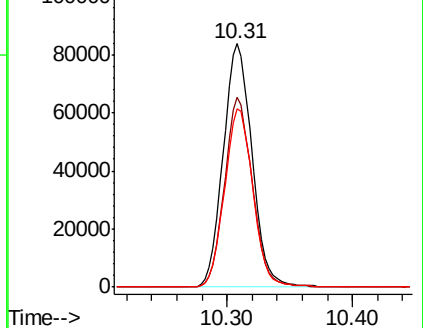
176 72.2 0.0 150.8

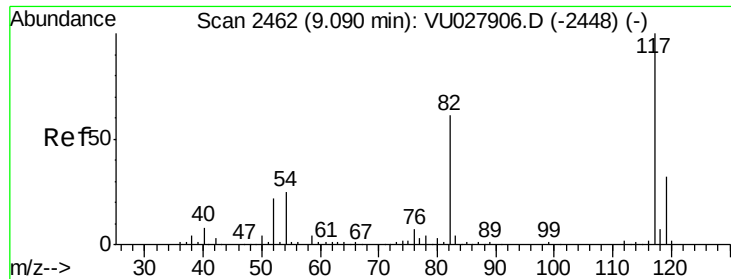


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

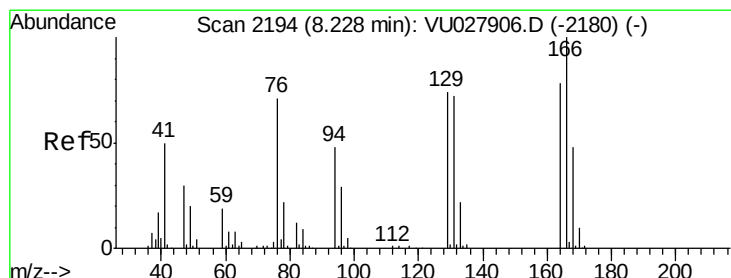
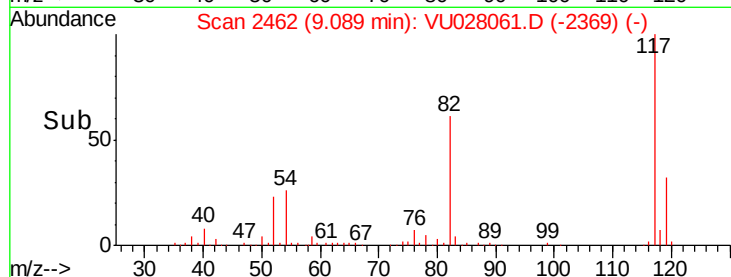
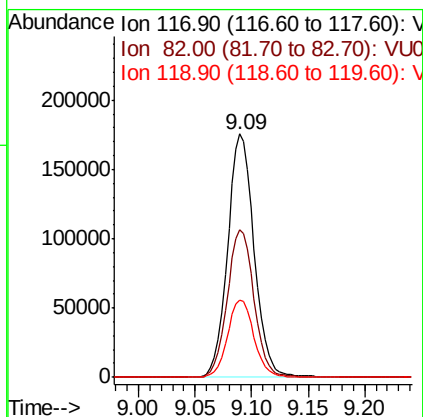
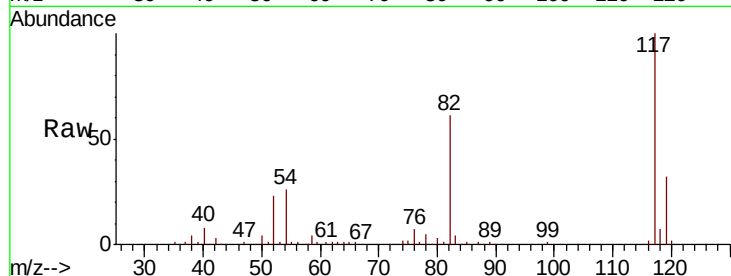




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028061.D
Acq: 12 Nov 2018 13:44

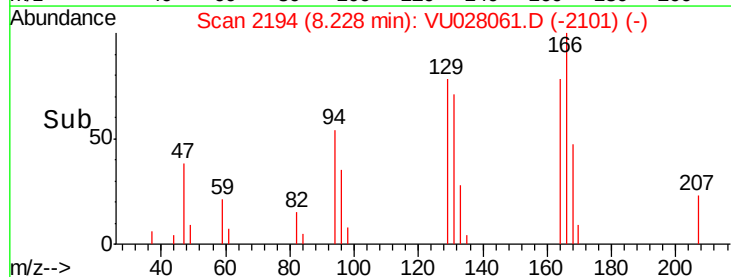
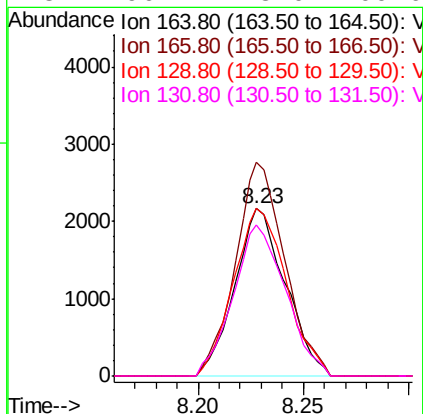
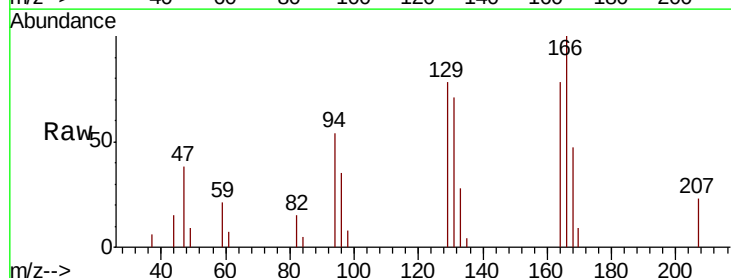
Instrument :
MSVOA_U
ClientSampleId :
R-3

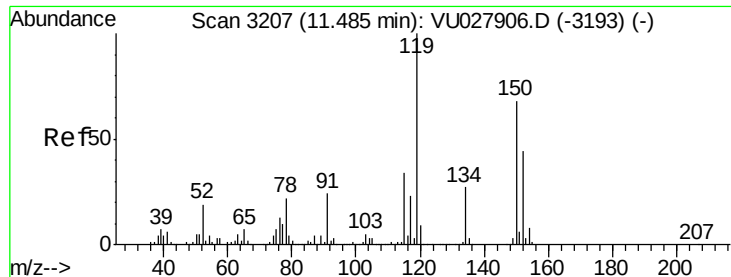
Tot Ion:117 Resp: 285685
Ion Ratio Lower Upper
117 100
82 60.7 48.6 73.0
119 31.9 25.8 38.8



#64
Tetrachloroethene
Concen: 1.942 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028061.D
Acq: 12 Nov 2018 13:44

Tgt Ion:164 Resp: 3597
Ion Ratio Lower Upper
164 100
166 127.7 102.1 153.1
129 100.0 75.9 113.9
131 90.2 73.0 109.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU028061.D

Acq: 12 Nov 2018 13:44

Instrument :

MSVOA_U

ClientSampleId :

R-3

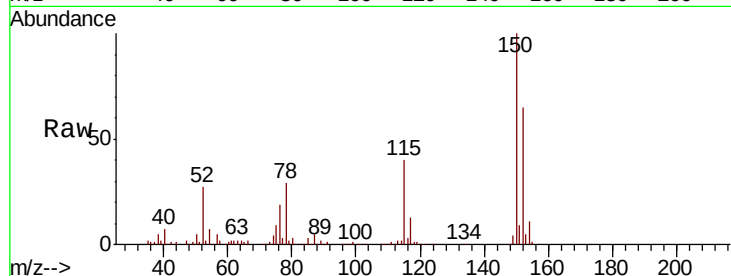
Tot Ion:152 Resp: 111478

Ion Ratio Lower Upper

152 100

115 60.2 43.0 129.0

150 153.5 0.0 349.4

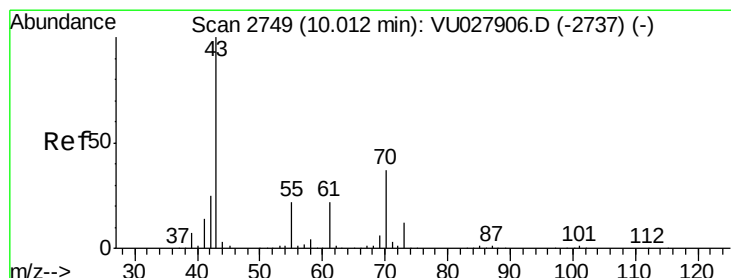
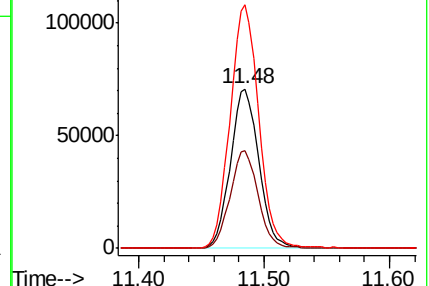
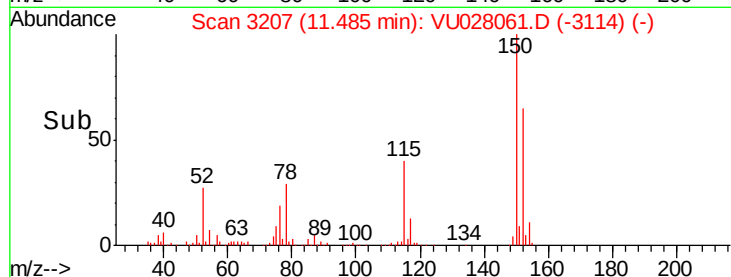


Abundance

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



#74

N-ethyl acetate

Concen: 4.397 ug/l

RT: 9.92 min Scan# 2721

Delta R.T. -0.09 min

Lab File: VU028061.D

Acq: 12 Nov 2018 13:44

Tgt Ion: 43 Resp: 22962

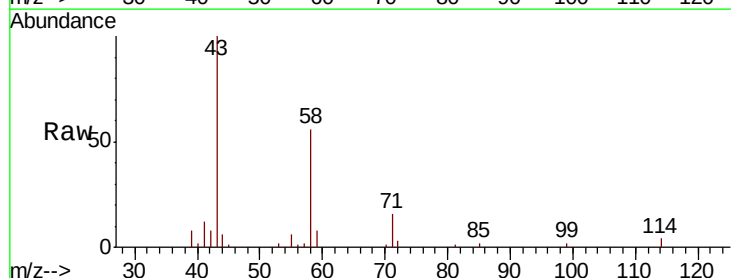
Ion Ratio Lower Upper

43 100

70 0.0 29.2 43.8#

55 6.4 17.8 26.6#

61 0.0 17.8 26.8#



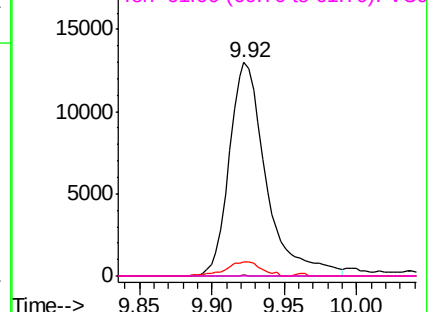
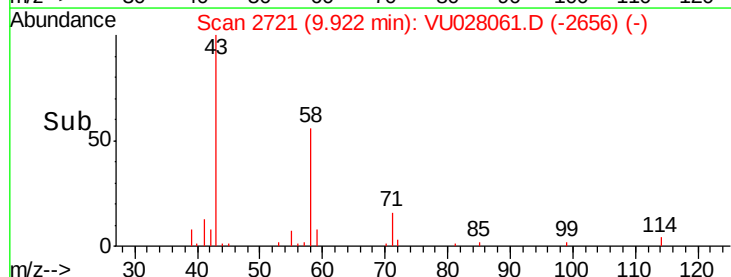
Abundance

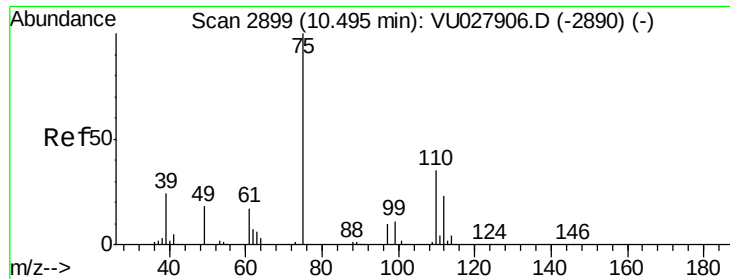
Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

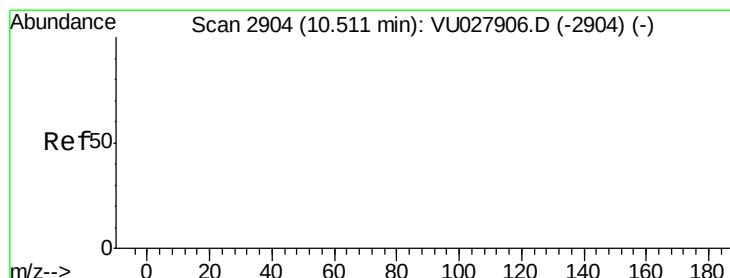
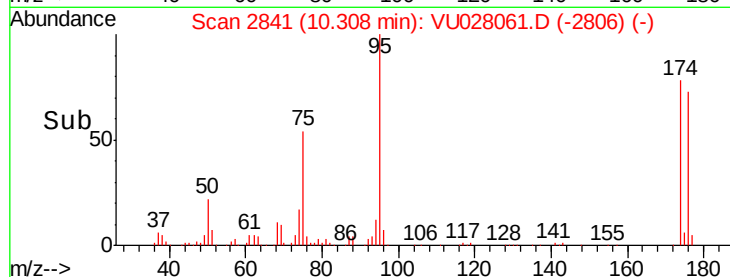
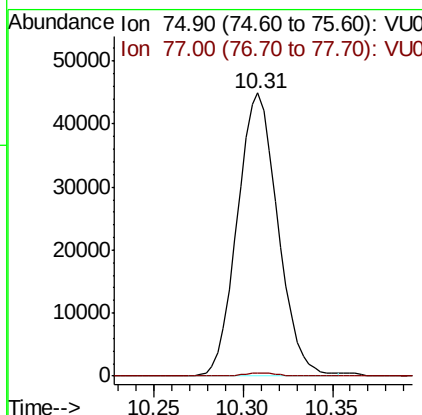
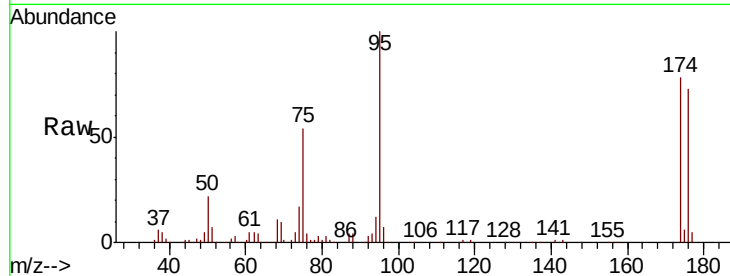




#76
 1,2,3-Trichloropropane
 Concen: 23.312 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU028061.D
 Acq: 12 Nov 2018 13:44

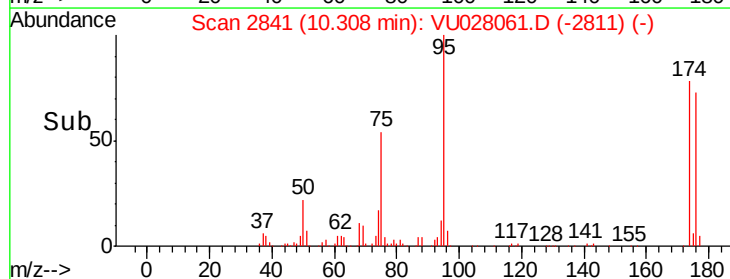
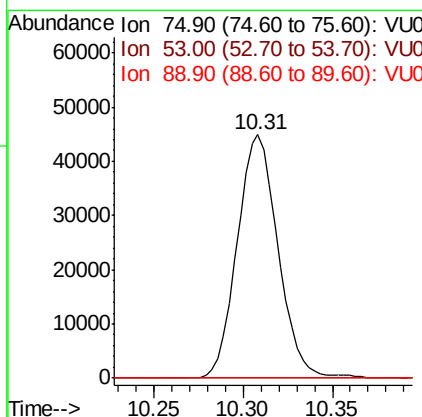
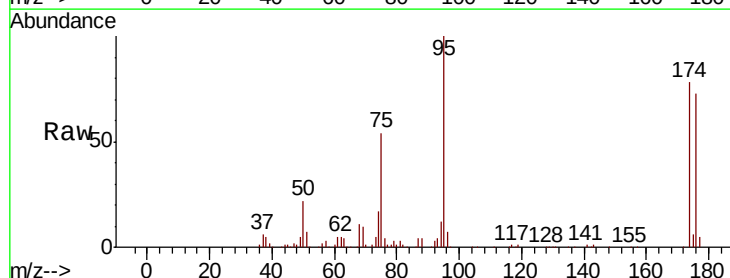
Instrument :
 MSVOA_U
 ClientSampled :
 R-3

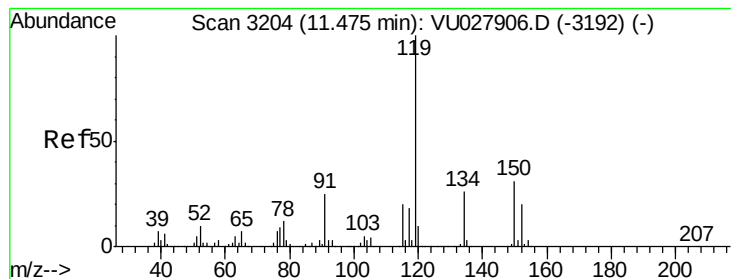
Tot Ion: 75 Resp: 71083
 Ion Ratio Lower Upper
 75 100
 77 0.9 21.6 64.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.161 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU028061.D
 Acq: 12 Nov 2018 13:44

Tgt Ion: 75 Resp: 71083
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#86

p-Isopropyltoluene

Concen: 0.329 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU028061.D

Acq: 12 Nov 2018 13:44

Instrument :

MSVOA_U

ClientSampleId :

R-3

Tot Ion:119 Resp: 2395

Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.7

91 37.4 12.4 37.2#

