

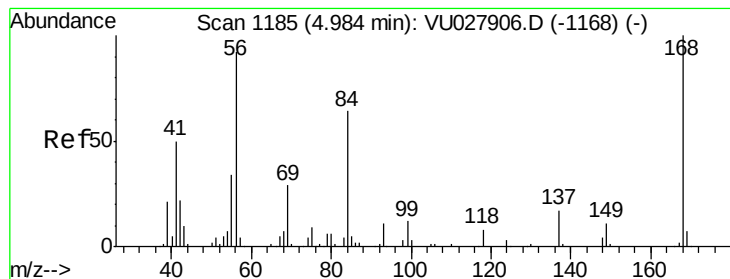
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111318\
 Data File : VU028097.D
 Acq On : 13 Nov 2018 17:18
 Operator : MD/SY
 Sample : PB114744ZHE#15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 07:00:22 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	267692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	487534	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	435655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	184269	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	200834	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
35) Dibromofluoromethane	4.88	113	155676	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	7.57	98	625209	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	10.31	95	209233	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
Target Compounds				Qvalue		
5) Bromomethane	1.61	94	285	0.209	ug/l	92
11) Tert butyl alcohol	2.84	59	1423	1.351	ug/l #	73
13) Acrolein	2.21	56	160	Below Cal	#	15
16) Acetone	2.32	43	14321	5.800	ug/l	94
18) Methyl Acetate	2.62	43	6894	1.015	ug/l	94
20) Methylene Chloride	2.70	84	8255	2.290	ug/l	96
25) 2-Butanone	4.30	43	1642	0.418	ug/l #	54
29) Tetrahydrofuran	4.66	42	1913	0.729	ug/l #	89
31) Cyclohexane	4.99	56	5799	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	22359	4.379	ug/l #	50
38) Carbon Tetrachloride	4.98	117	25361	5.605	ug/l #	16
42) 1,2-Dichloroethane	5.55	62	1135	0.205	ug/l #	76
43) Isopropyl Acetate	5.55	43	275591	23.512	ug/l	98
48) Methyl methacrylate	6.54	41	7834	1.364	ug/l #	26
54) cis-1,3-Dichloropropene	7.42	75	1890	0.307	ug/l #	58
59) 2-Hexanone	8.31	43	2632	0.435	ug/l #	26
60) Dibromochloromethane	8.23	129	939	0.266	ug/l #	10
64) Tetrachloroethene	8.23	164	1183	0.419	ug/l	92
76) 1,2,3-Trichloropropane	10.31	75	105212	20.874	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	2577	0.218	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.31	75	105212	52.107	ug/l #	100
95) Naphthalene	13.75	128	2606	Below Cal	#	82

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028097.D

Acq: 13 Nov 2018 17:18

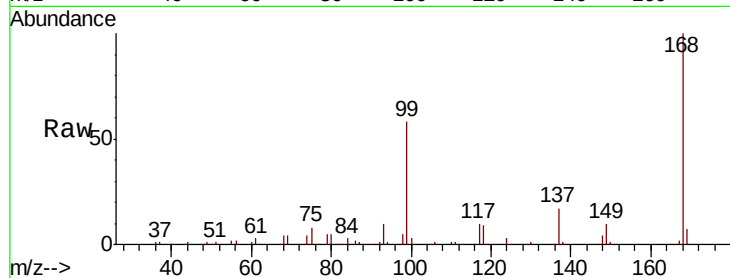
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 267692

Ion Ratio Lower Upper

168 100

99 58.2 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU028097.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028097.D (-1168) (-)

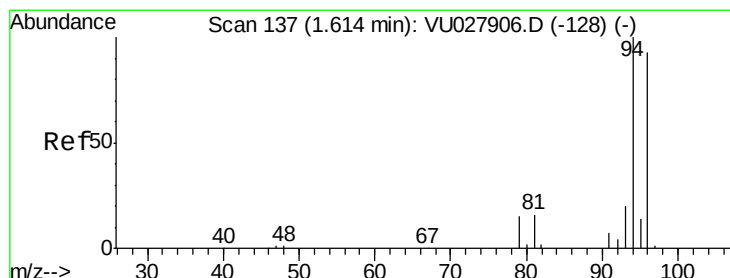
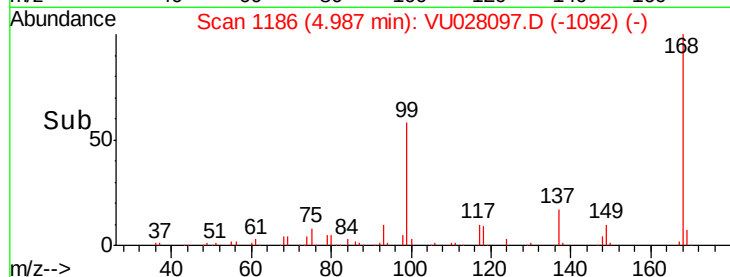
4.99

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.209 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU028097.D

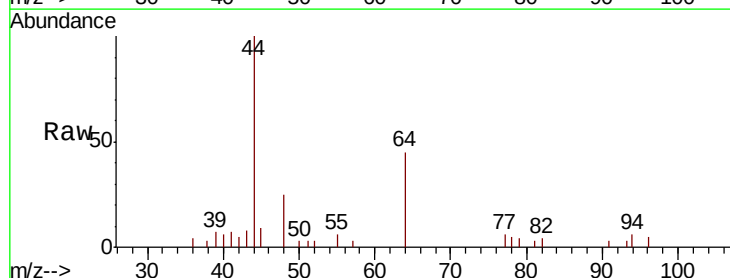
Acq: 13 Nov 2018 17:18

Tgt Ion: 94 Resp: 285

Ion Ratio Lower Upper

94 100

96 85.8 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU028097.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU028097.D (-128) (-)

1.61

300

250

200

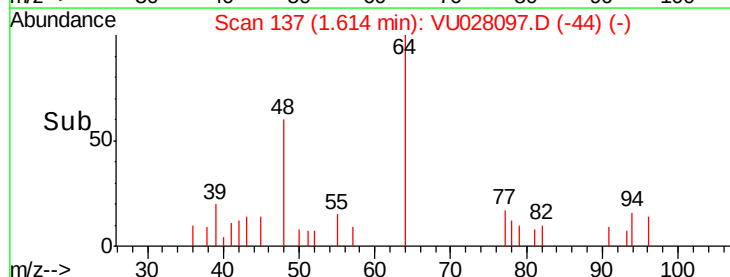
150

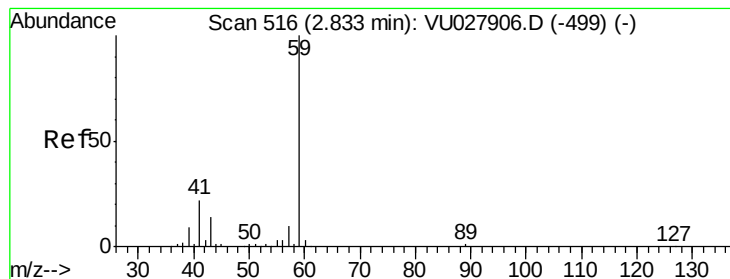
100

50

0

Time-->



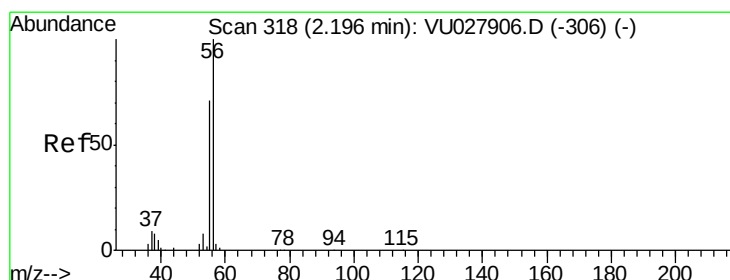
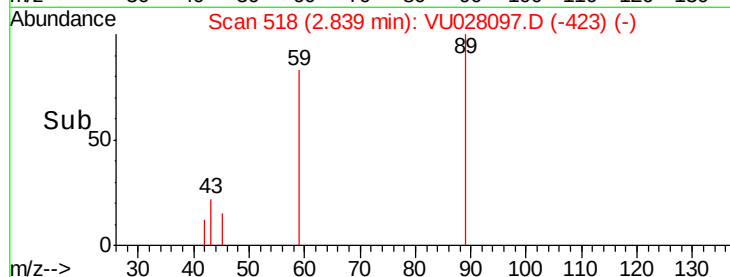
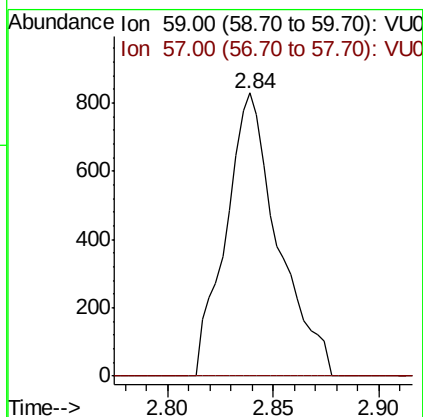
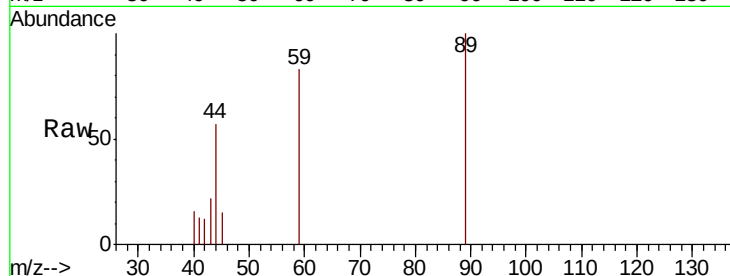


#11

Tert butyl alcohol
 Concen: 1.351 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU028097.D
 Acq: 13 Nov 2018 17:18

Instrument :
 MSVOA_U
 ClientSampled :

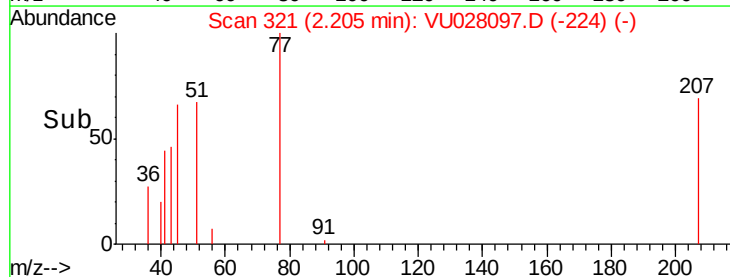
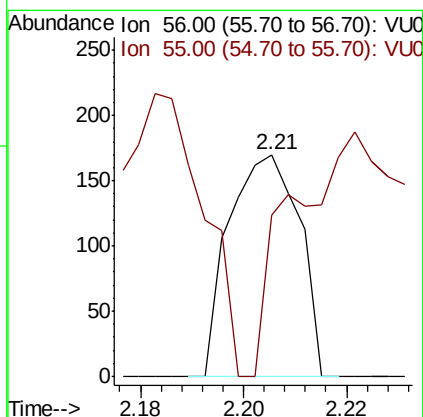
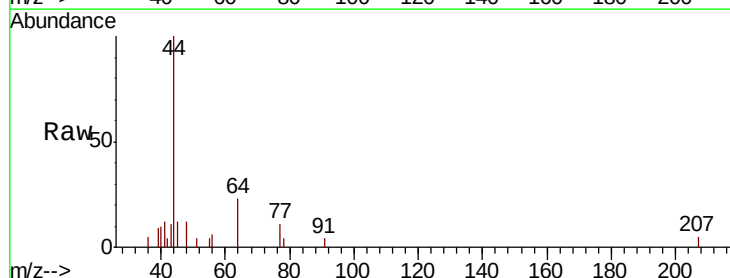
Tot Ion: 59 Resp: 1423
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

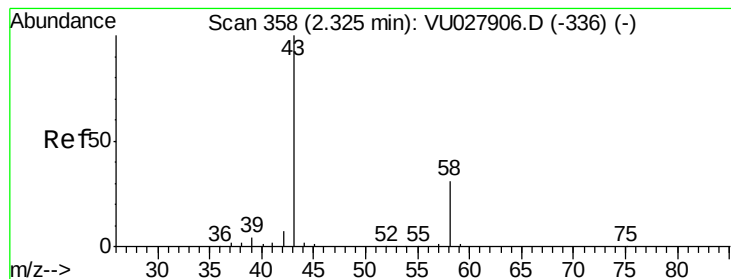


#13

Acrolein
 Concen: Below Cal
 RT: 2.21 min Scan# 321
 Delta R.T. 0.01 min
 Lab File: VU028097.D
 Acq: 13 Nov 2018 17:18

Tgt Ion: 56 Resp: 160
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.2 84.4#





#16

Acetone

Concen: 5.800 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028097.D

Acq: 13 Nov 2018 17:18

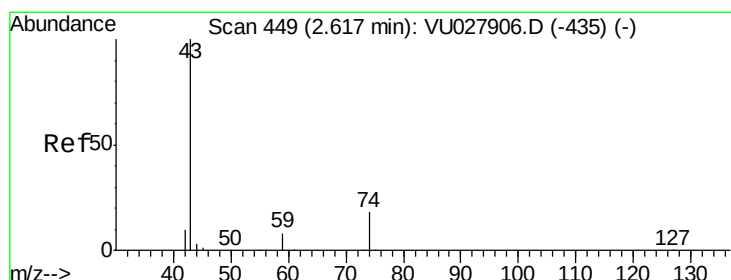
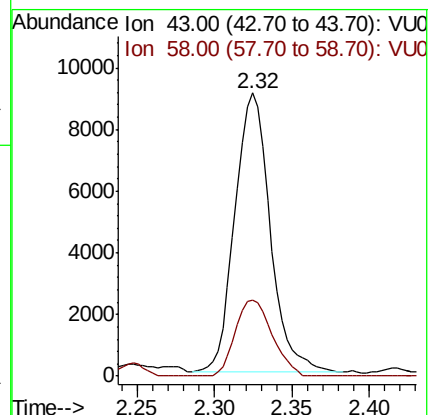
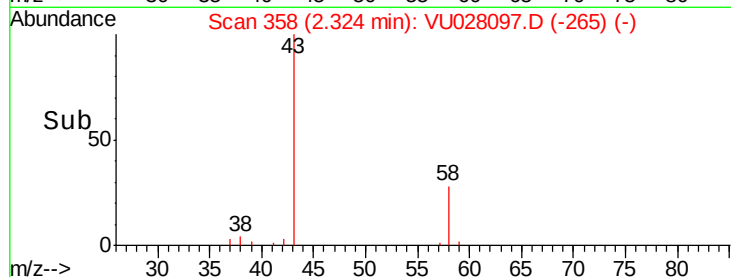
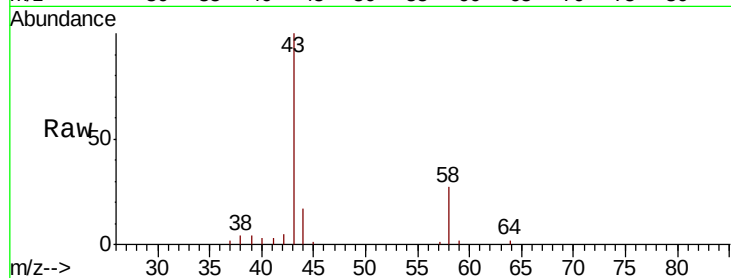
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 14321

Ion Ratio Lower Upper

43 100

58 27.3 24.6 37.0



#18

Methyl Acetate

Concen: 1.015 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU028097.D

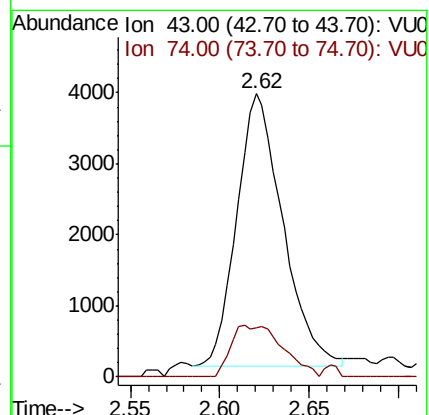
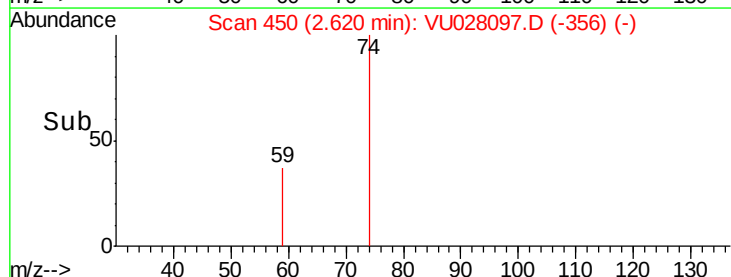
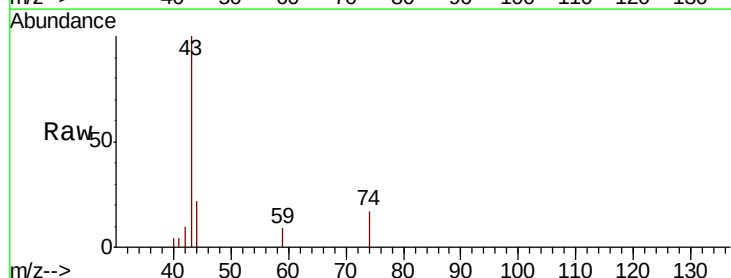
Acq: 13 Nov 2018 17:18

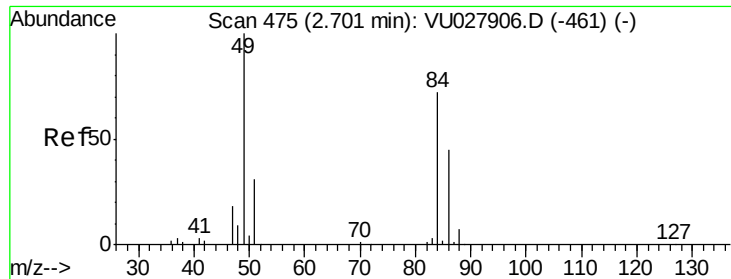
Tgt Ion: 43 Resp: 6894

Ion Ratio Lower Upper

43 100

74 21.1 14.9 22.3

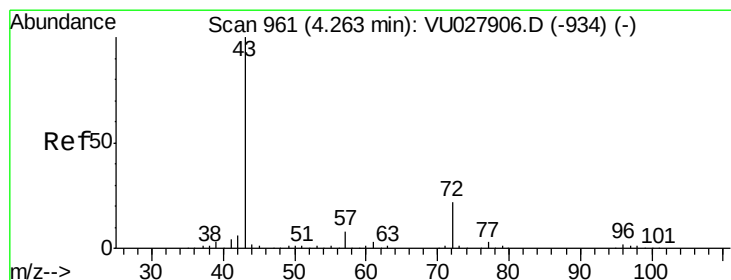
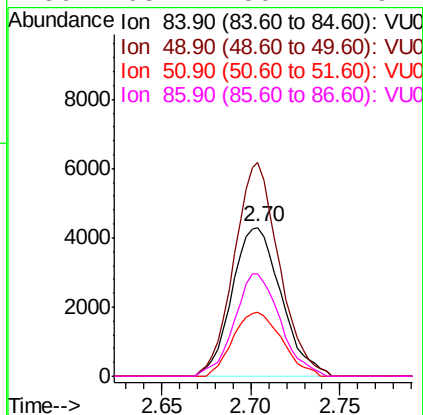
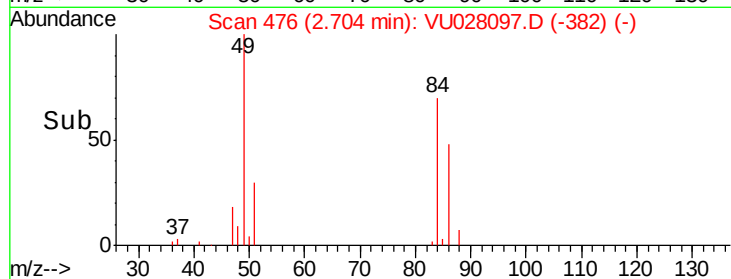
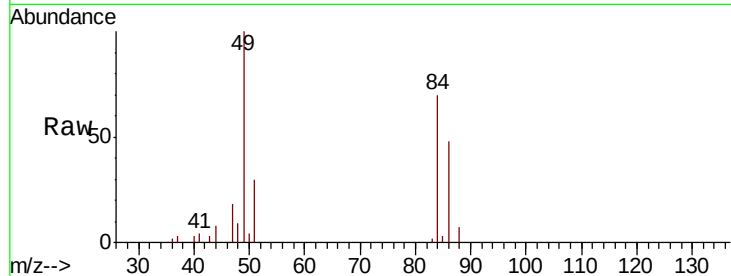




#20
Methvlene Chloride
Concen: 2.290 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028097.D
Acq: 13 Nov 2018 17:18

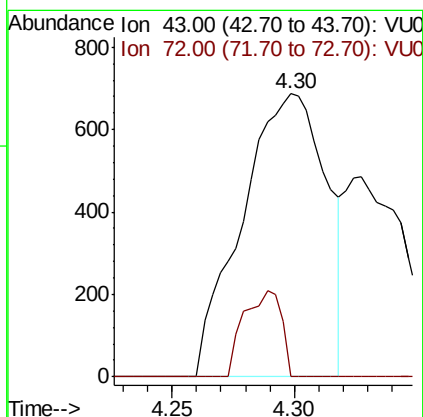
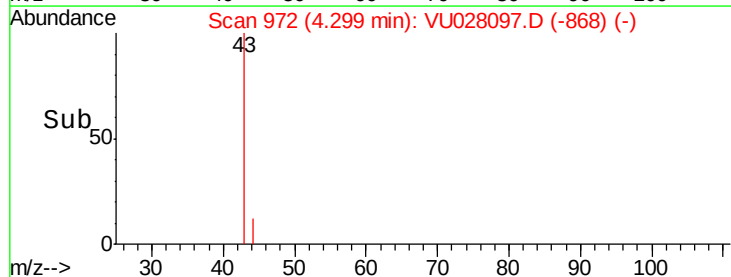
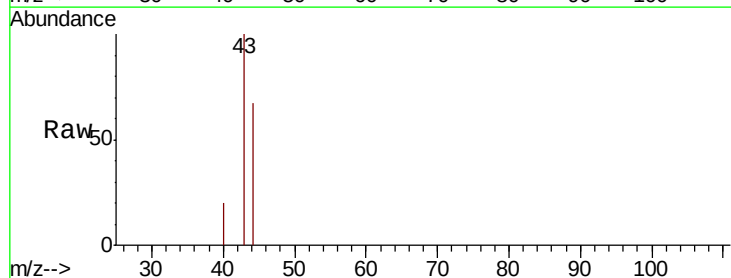
Instrument :
MSVOA_U
ClientSampleId :

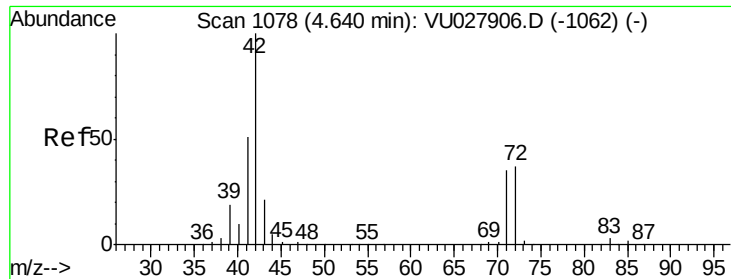
Tot Ion:	84	Resp:	8255
Ion	Ratio	Lower	Upper
84	100		
49	143.8	111.6	167.4
51	42.7	34.8	52.2
86	68.7	50.1	75.1



#25
2-Butanone
Concen: 0.418 ug/l
RT: 4.30 min Scan# 972
Delta R.T. 0.04 min
Lab File: VU028097.D
Acq: 13 Nov 2018 17:18

Tgt Ion:	43	Resp:	1642
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

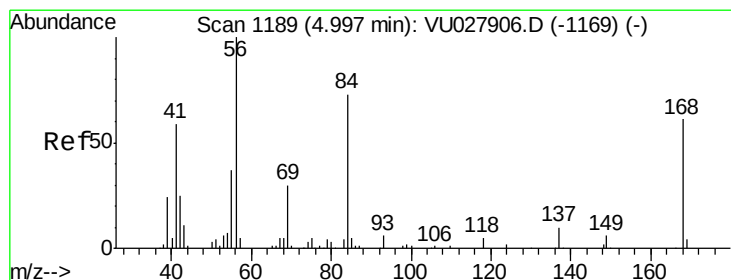
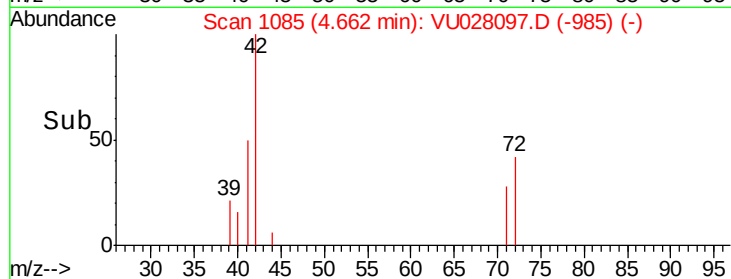
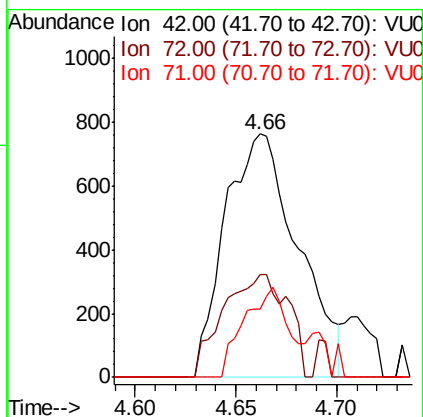
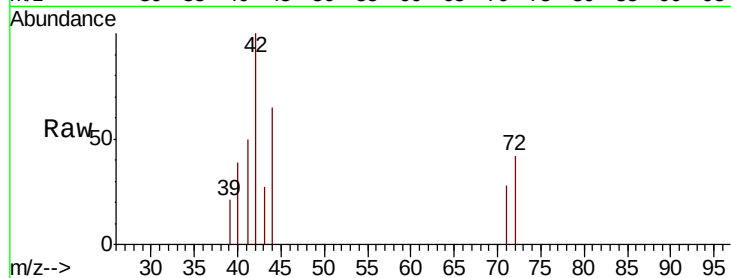




#29
Tetrahydrofuran
Concen: 0.729 ug/l
RT: 4.66 min Scan# 1085
Delta R.T. 0.02 min
Lab File: VU028097.D
Acq: 13 Nov 2018 17:18

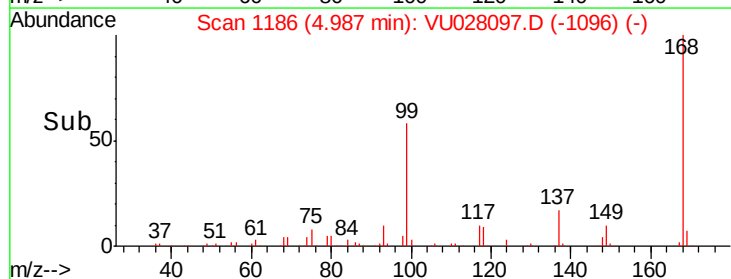
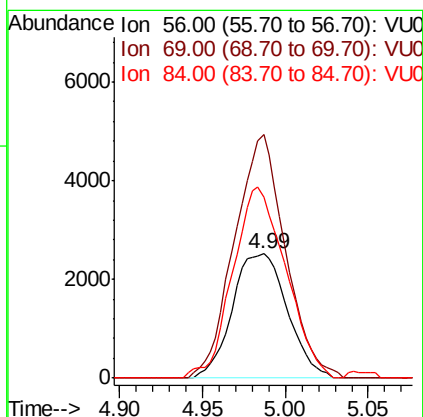
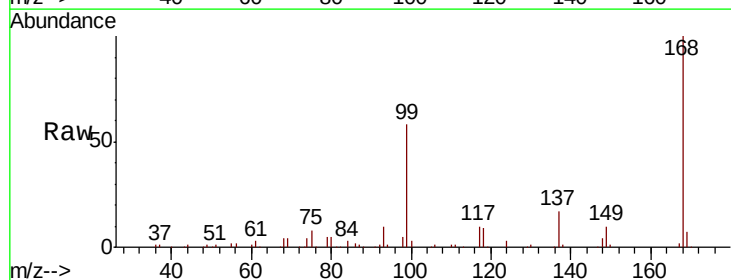
Instrument :
MSVOA_U
ClientSampled :

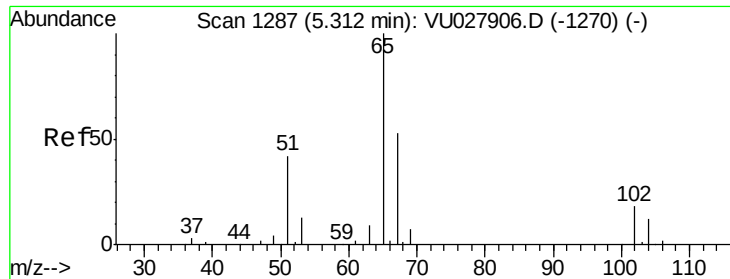
Tot Ion: 42 Resp: 1913
Ion Ratio Lower Upper
42 100
72 37.6 29.4 44.0
71 22.2 27.9 41.9#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028097.D
Acq: 13 Nov 2018 17:18

Tgt Ion: 56 Resp: 5799
Ion Ratio Lower Upper
56 100
69 196.2 23.7 35.5#
84 145.6 58.2 87.4#

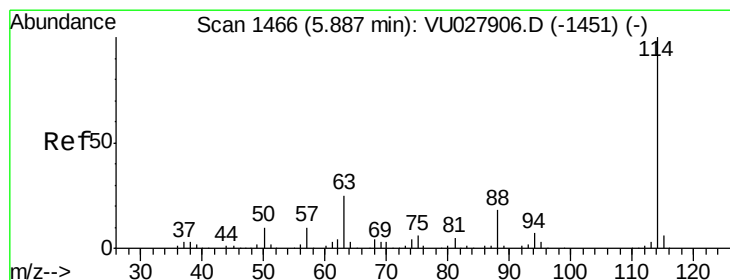
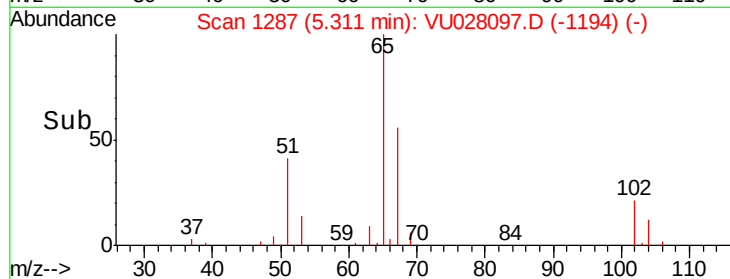
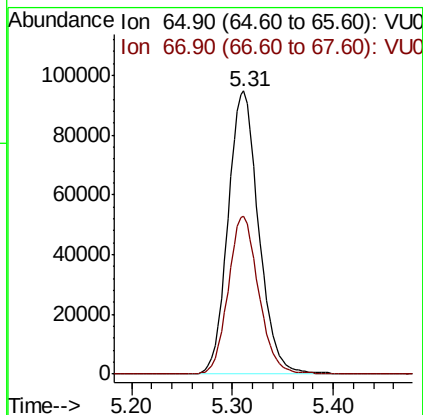
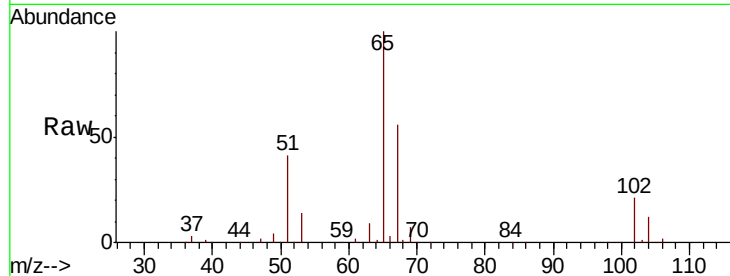




#33
 1,2-Dichloroethane-d4
 Concen: 50.462 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028097.D
 Acq: 13 Nov 2018 17:18

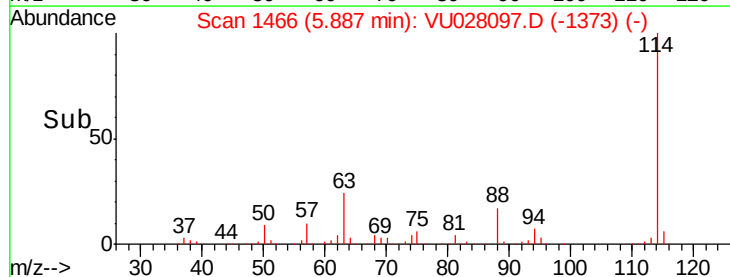
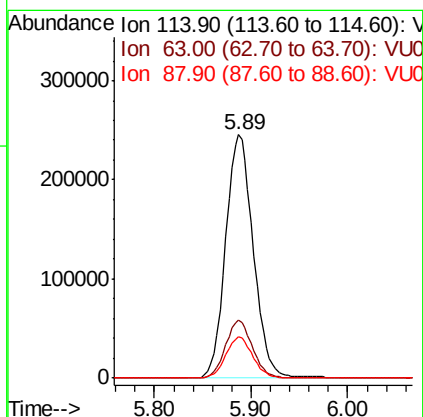
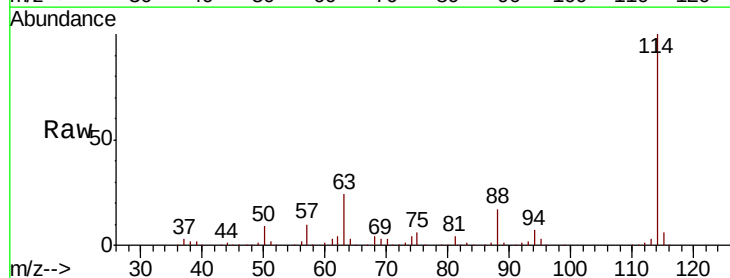
Instrument :
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 ClientSampleId :

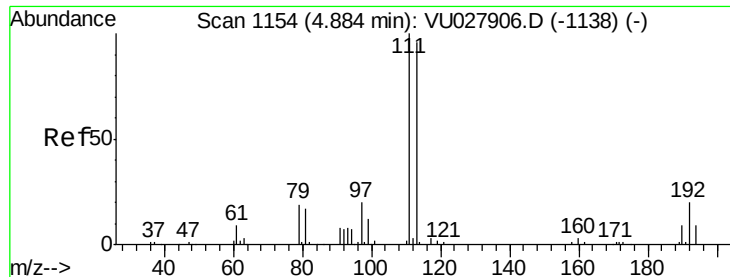
Tot Ion: 65 Resp: 200834
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028097.D
 Acq: 13 Nov 2018 17:18

Tgt Ion: 114 Resp: 487534
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 50.8
 88 16.8 0.0 35.8

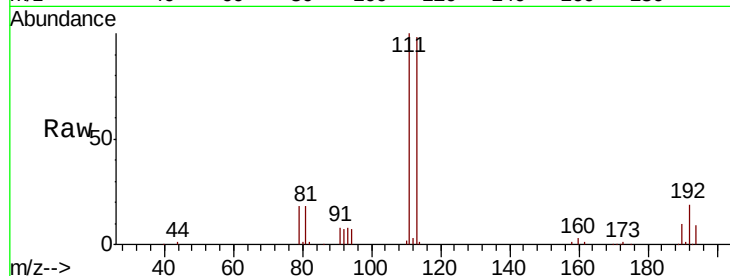




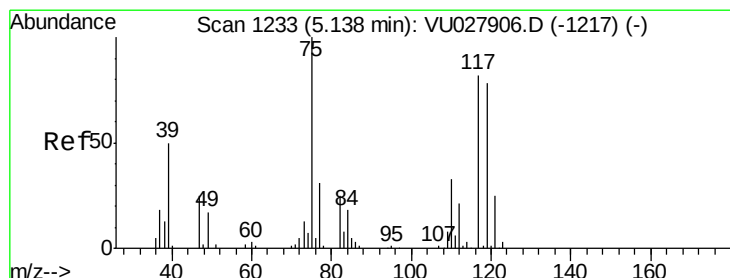
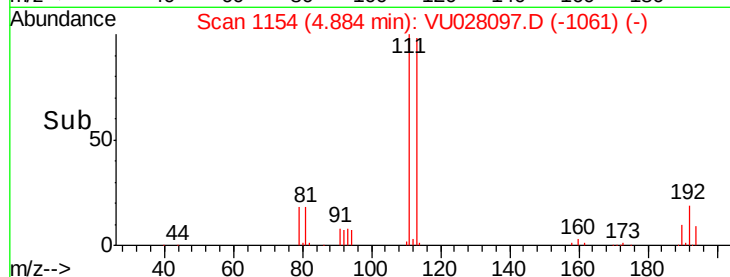
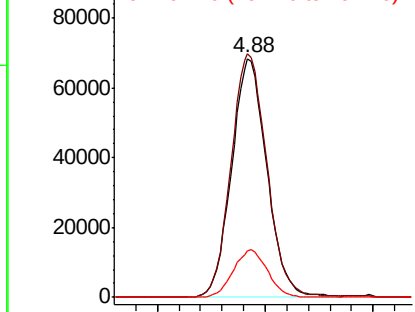
#35
 Dibromofluoromethane
 Concen: 50.643 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028097.D
 Acq: 13 Nov 2018 17:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:113 Resp: 155676
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.0 124.6
 192 19.4 15.6 23.4

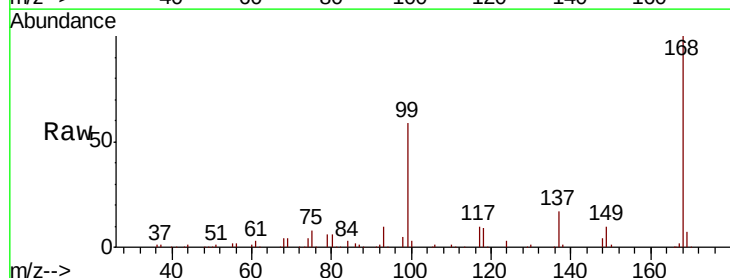


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

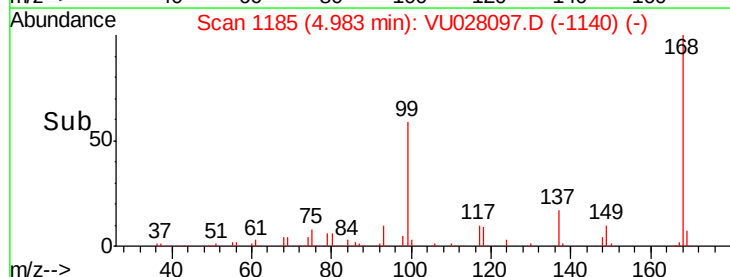
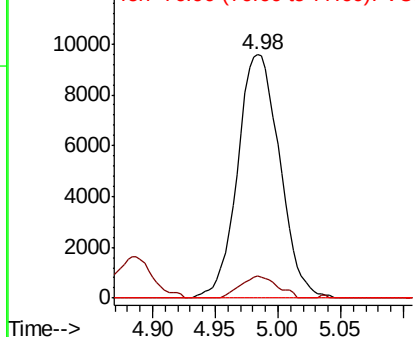


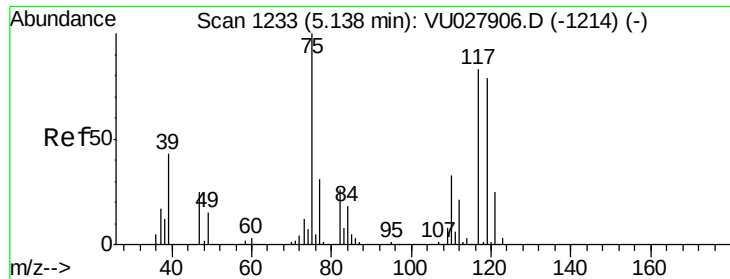
#36
 1,1-Dichloropropene
 Concen: 4.379 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028097.D
 Acq: 13 Nov 2018 17:18

Tgt Ion: 75 Resp: 22359
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.5 49.5#
 77 0.0 24.9 37.3#



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





#38

Carbon Tetrachloride

Concen: 5.605 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028097.D

Acq: 13 Nov 2018 17:18

Instrument :

MSVOA_U

ClientSampled :

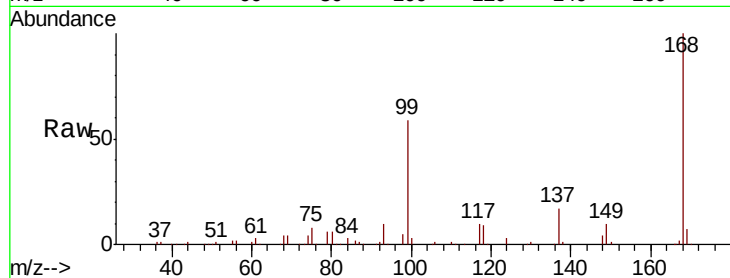
Tot Ion:117 Resp: 25361

Ion Ratio Lower Upper

117 100

119 4.1 76.0 114.0#

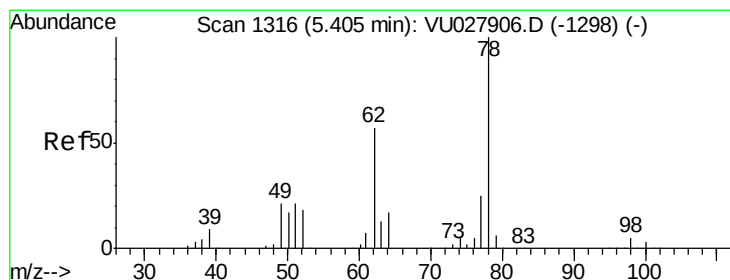
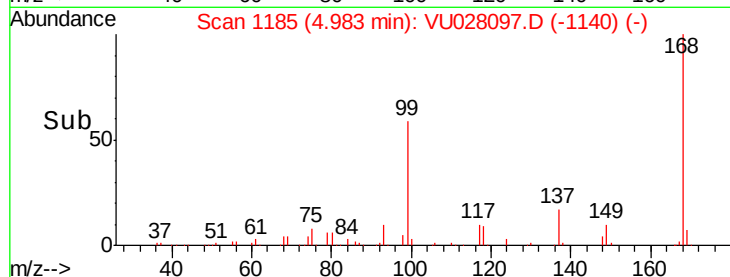
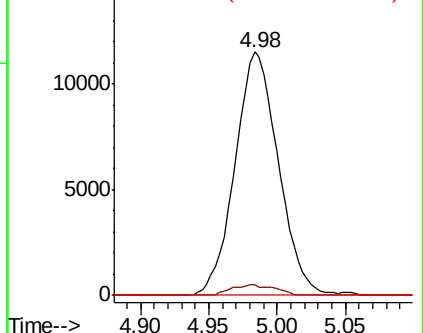
121 0.0 24.5 36.7#



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



#42

1,2-Dichloroethane

Concen: 0.205 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.14 min

Lab File: VU028097.D

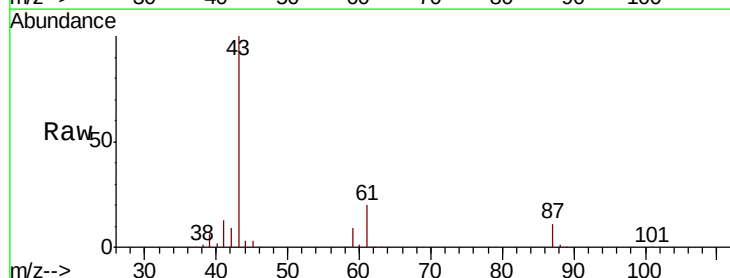
Acq: 13 Nov 2018 17:18

Tgt Ion: 62 Resp: 1135

Ion Ratio Lower Upper

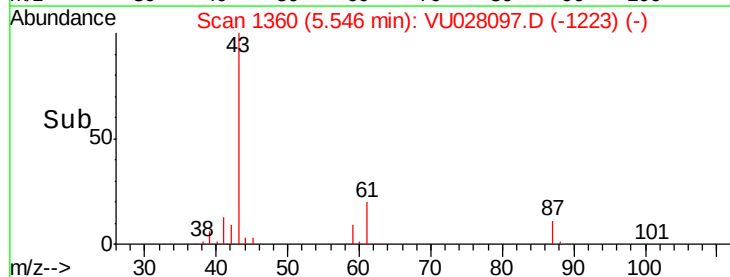
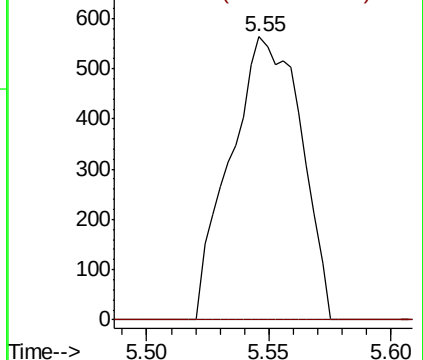
62 100

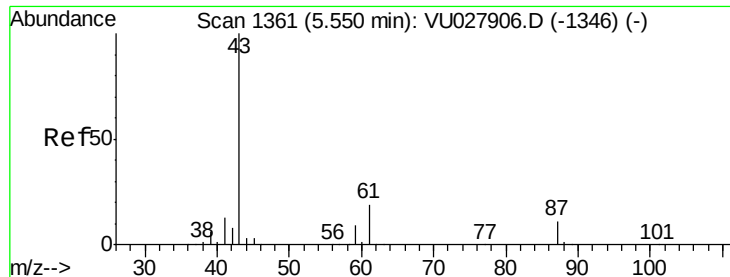
98 0.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 23.512 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU028097.D

Acq: 13 Nov 2018 17:18

Instrument :
MSVOA_U
ClientSampleId :

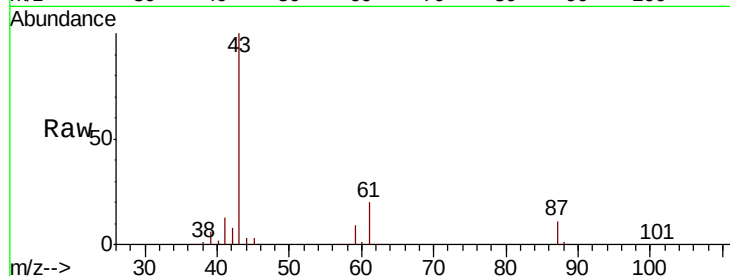
Tot Ion: 43 Resp: 275591

Ion Ratio Lower Upper

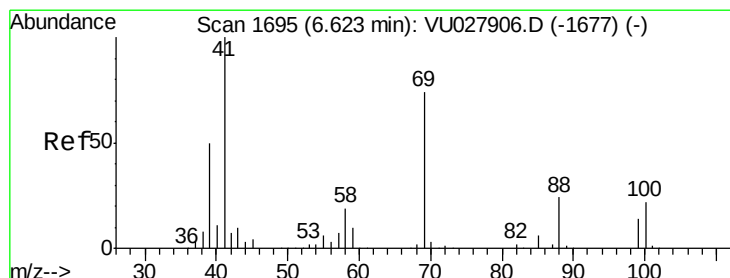
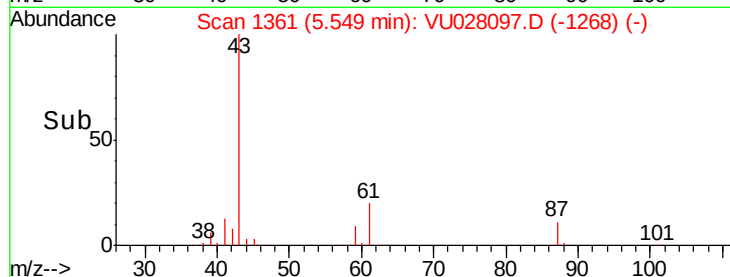
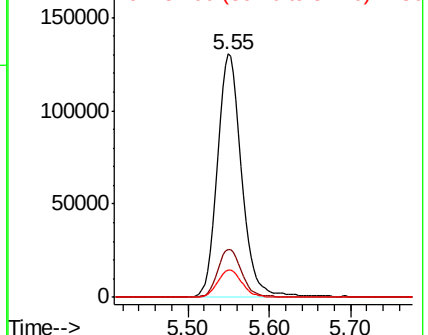
43 100

61 19.6 15.0 22.4

87 11.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#48

Methyl methacrylate

Concen: 1.364 ug/l

RT: 6.54 min Scan# 1669

Delta R.T. -0.08 min

Lab File: VU028097.D

Acq: 13 Nov 2018 17:18

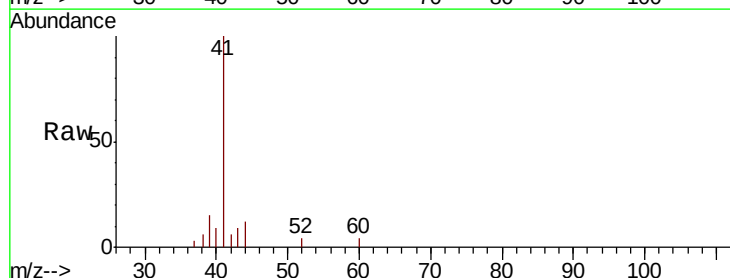
Tgt Ion: 41 Resp: 7834

Ion Ratio Lower Upper

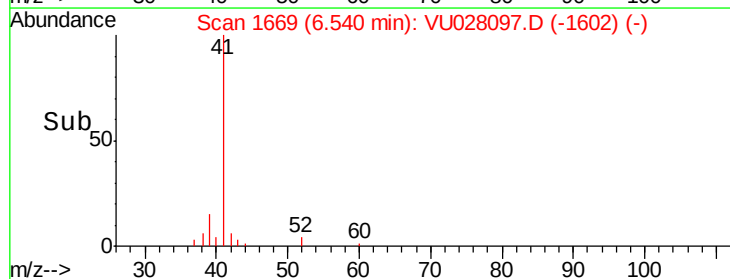
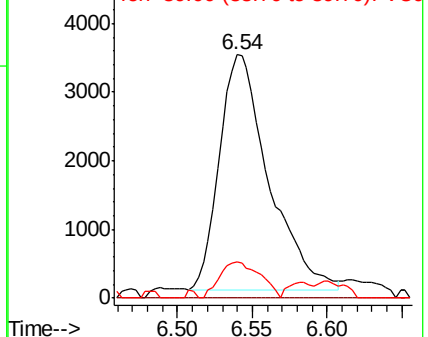
41 100

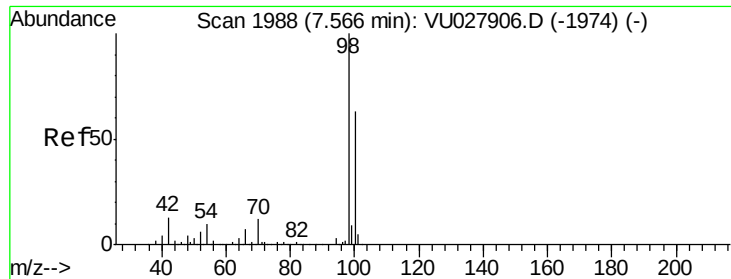
69 0.0 59.8 89.8#

39 12.6 40.0 60.0#



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

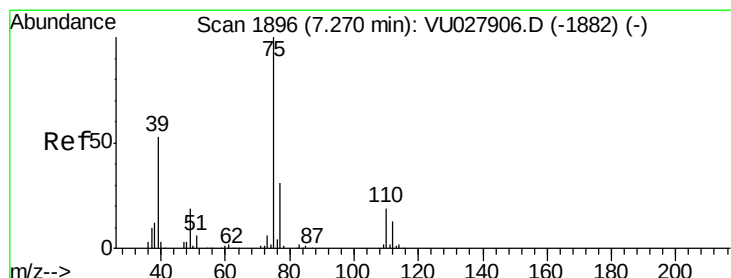
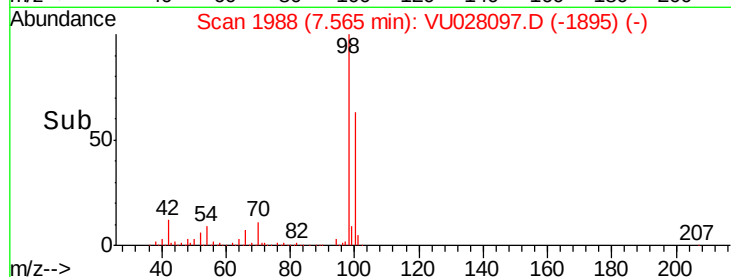
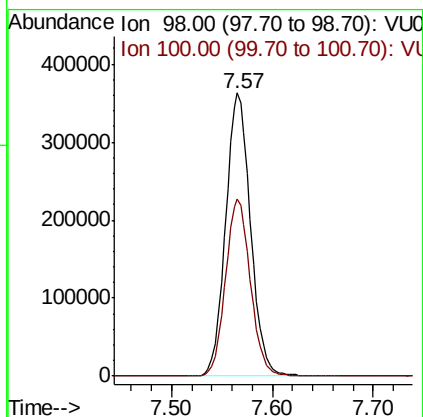
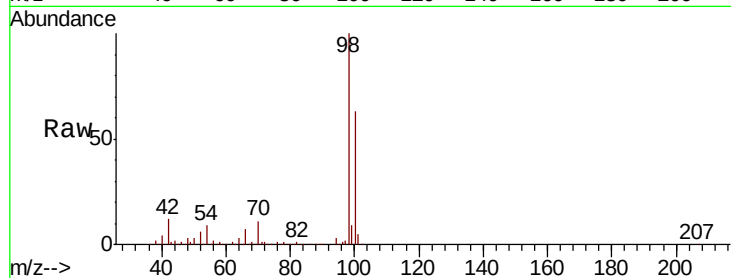




#50
Toluene-d8
Concen: 52.651 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028097.D
Acq: 13 Nov 2018 17:18

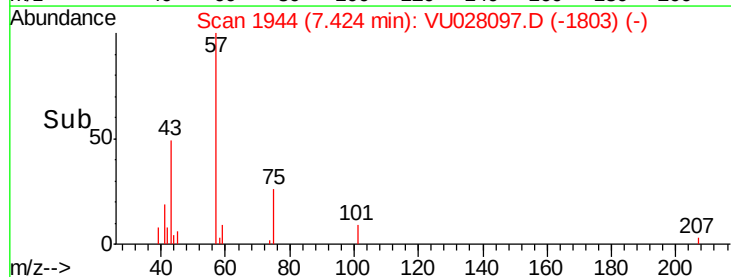
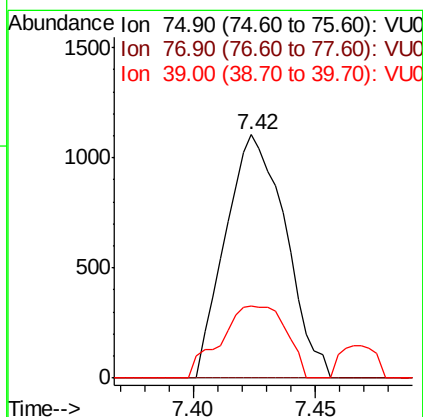
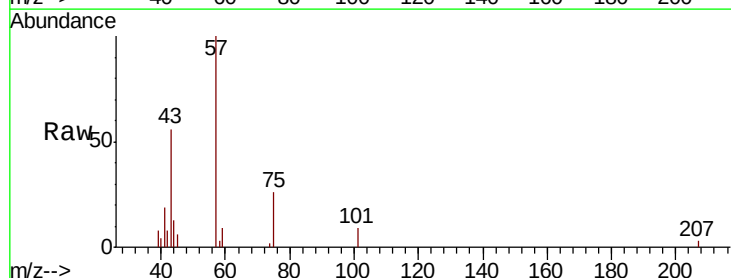
Instrument :
MSVOA_U
ClientSampled :

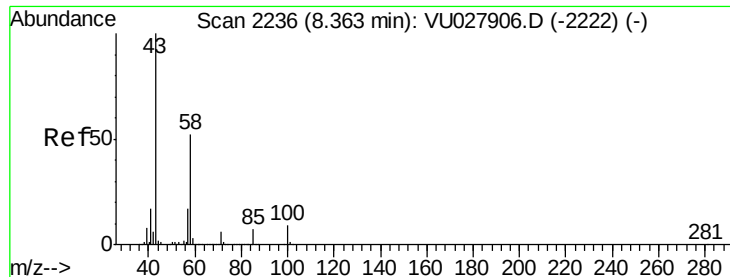
Tot Ion: 98 Resp: 625209
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1



#54
cis-1,3-Dichloropropene
Concen: 0.307 ug/l
RT: 7.42 min Scan# 1944
Delta R.T. 0.15 min
Lab File: VU028097.D
Acq: 13 Nov 2018 17:18

Tgt Ion: 75 Resp: 1890
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 29.6 42.6 64.0#

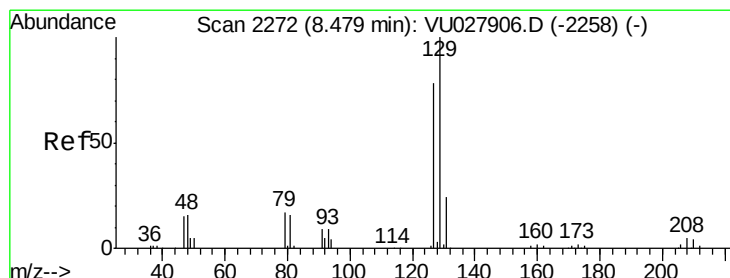
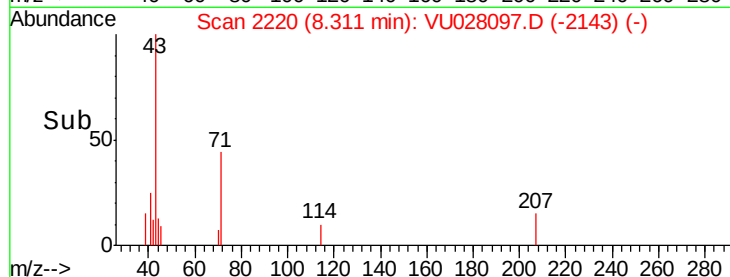
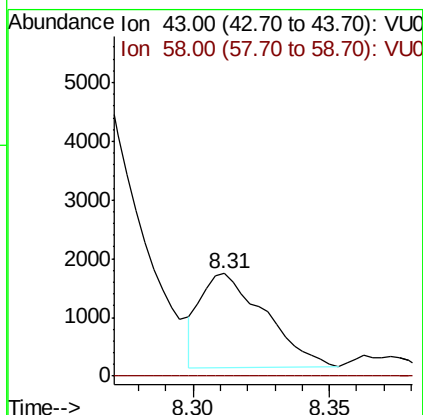
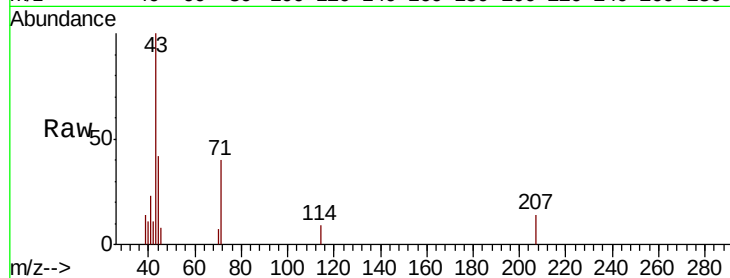




#59
2-Hexanone
Concen: 0.435 ug/l
RT: 8.31 min Scan# 2220
Delta R.T. -0.05 min
Lab File: VU028097.D
Acq: 13 Nov 2018 17:18

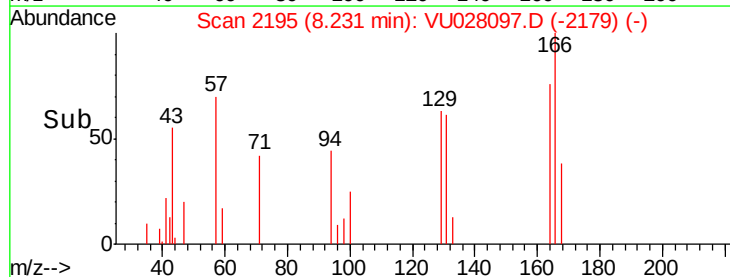
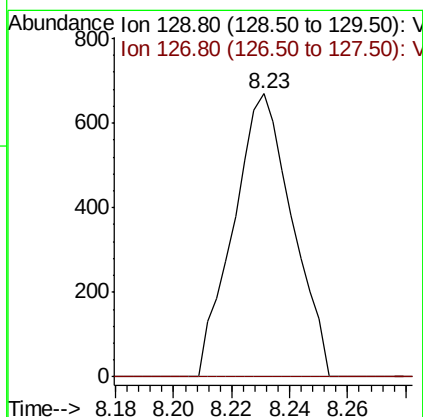
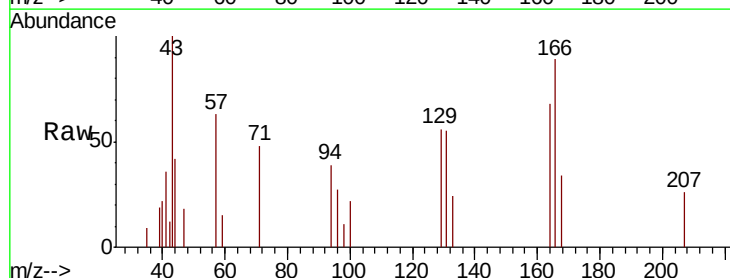
Instrument :
MSVOA_U
ClientSampleId :

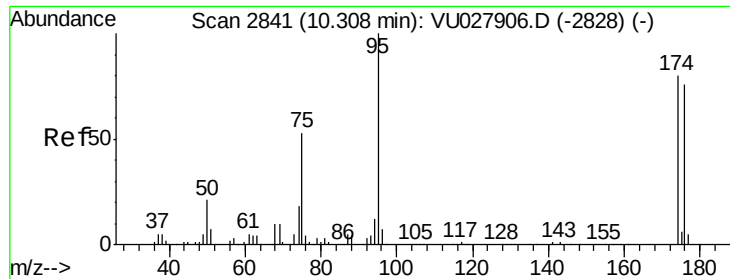
Tot Ion: 43 Resp: 2632
Ion Ratio Lower Upper
43 100
58 0.0 25.8 77.3#



#60
Dibromochloromethane
Concen: 0.266 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. -0.25 min
Lab File: VU028097.D
Acq: 13 Nov 2018 17:18

Tgt Ion: 129 Resp: 939
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#

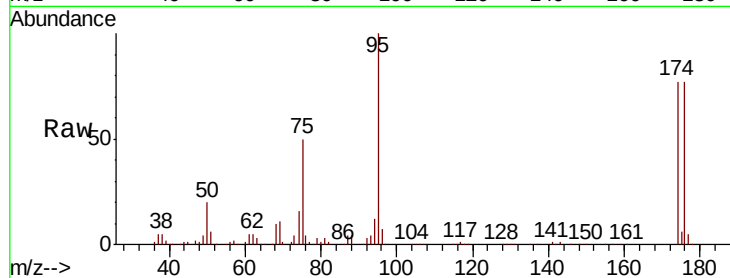




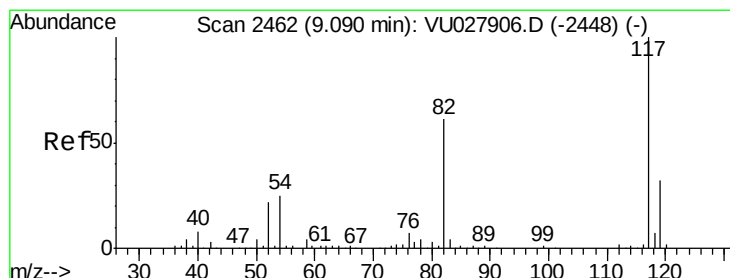
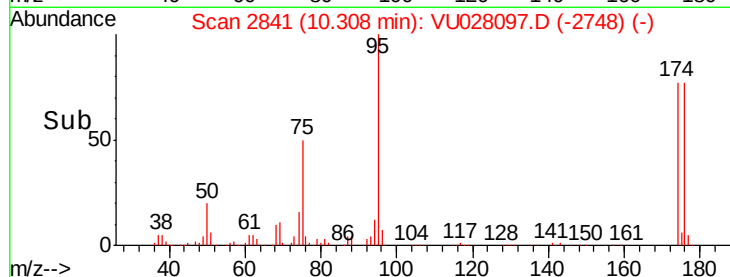
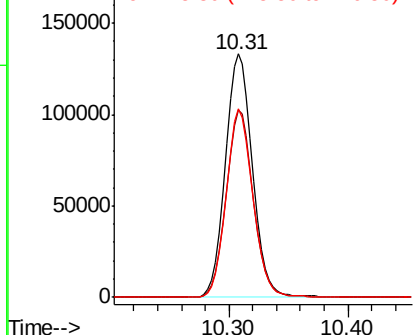
#62
4-Bromofluorobenzene
Concen: 47.772 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU028097.D
Acq: 13 Nov 2018 17:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 209233
Ion Ratio Lower Upper
95 100
174 77.2 0.0 156.4
176 76.6 0.0 150.8

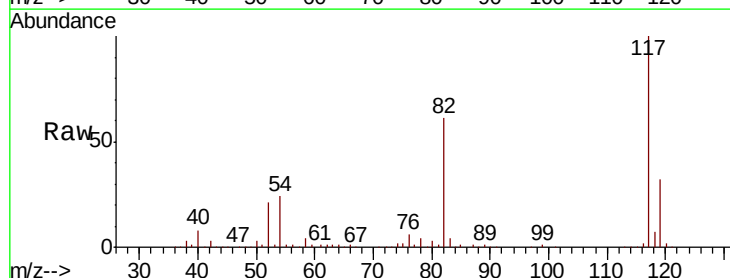


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

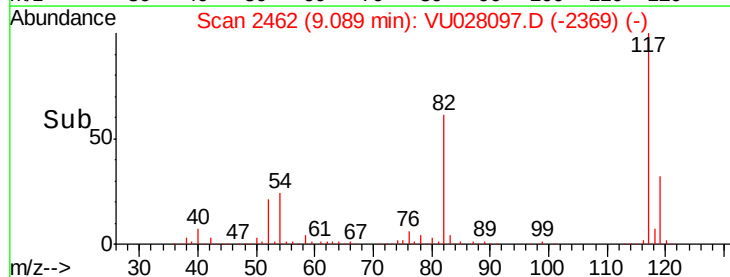
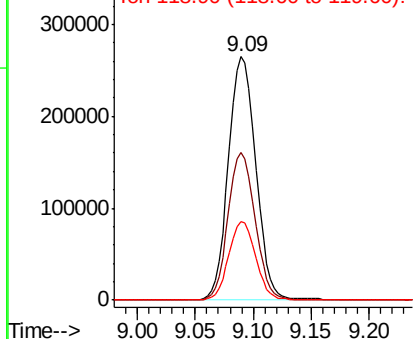


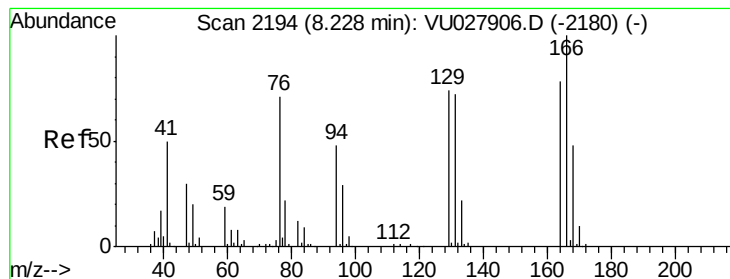
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028097.D
Acq: 13 Nov 2018 17:18

Tgt Ion: 117 Resp: 435655
Ion Ratio Lower Upper
117 100
82 60.8 48.6 73.0
119 32.2 25.8 38.8



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





#64

Tetrachloroethene

Concen: 0.419 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU028097.D

Acq: 13 Nov 2018 17:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 1183

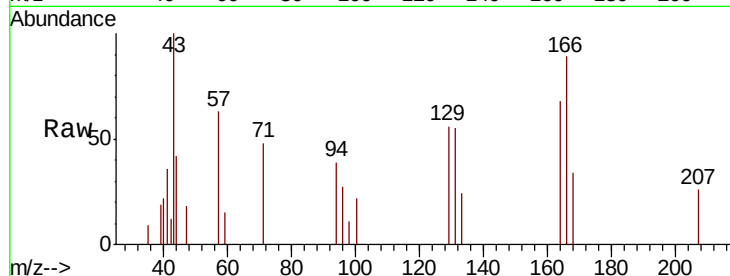
Ion Ratio Lower Upper

164 100

166 132.2 102.1 153.1

129 83.1 75.9 113.9

131 81.2 73.0 109.6

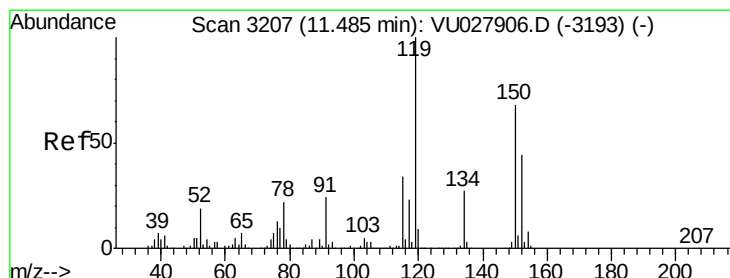
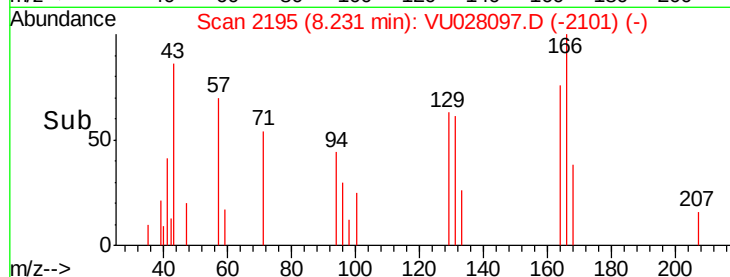
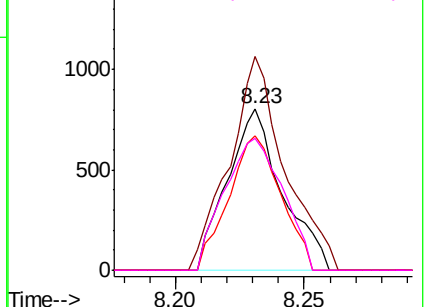


Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU028097.D

Acq: 13 Nov 2018 17:18

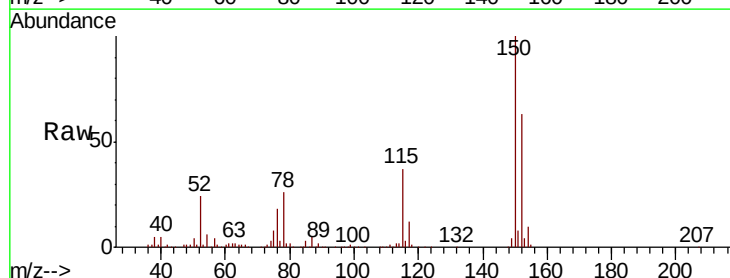
Tgt Ion:152 Resp: 184269

Ion Ratio Lower Upper

152 100

115 57.9 43.0 129.0

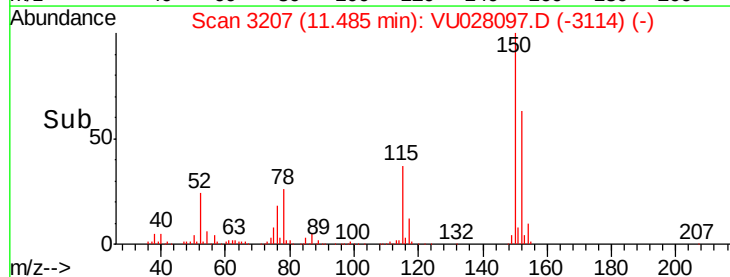
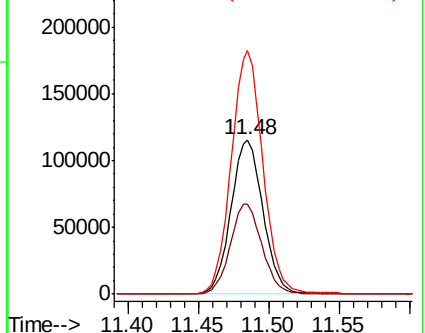
150 155.1 0.0 349.4

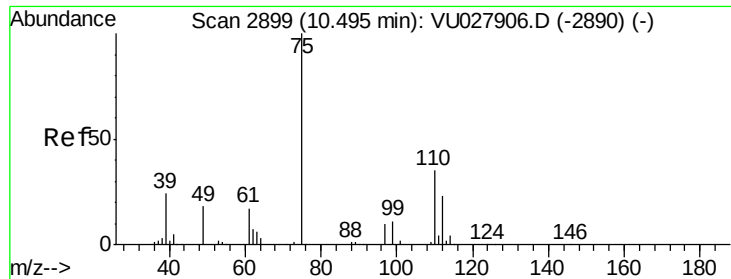


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

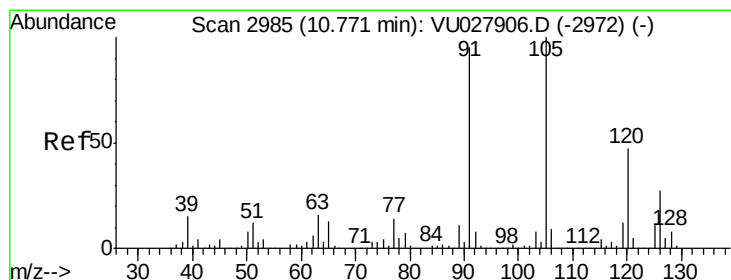
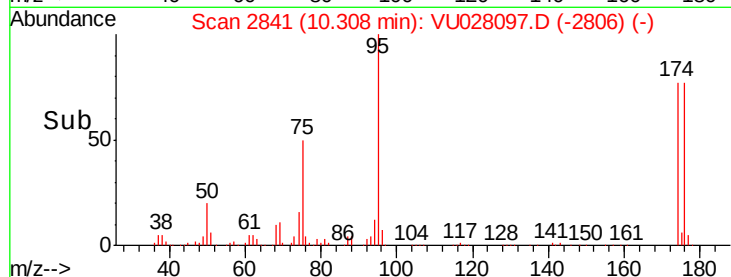
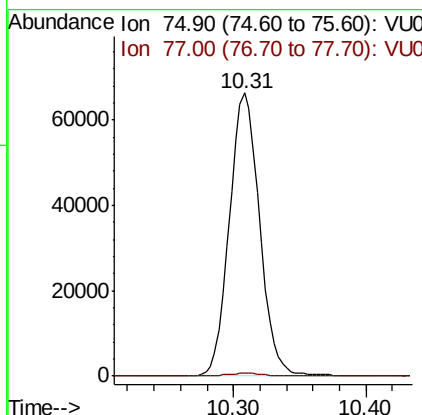
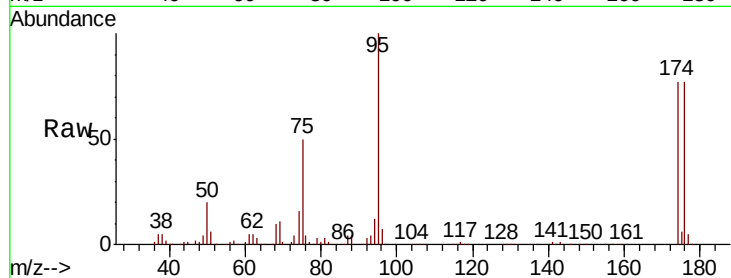




#76
 1,2,3-Trichloropropane
 Concen: 20.874 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU028097.D
 Acq: 13 Nov 2018 17:18

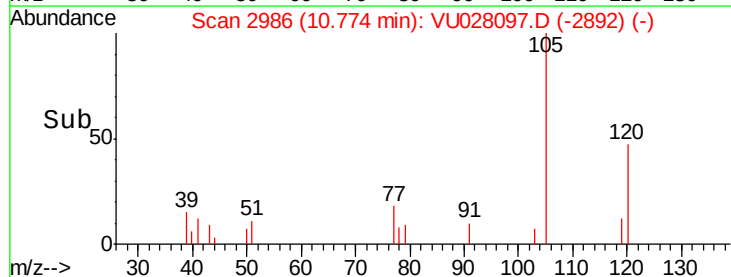
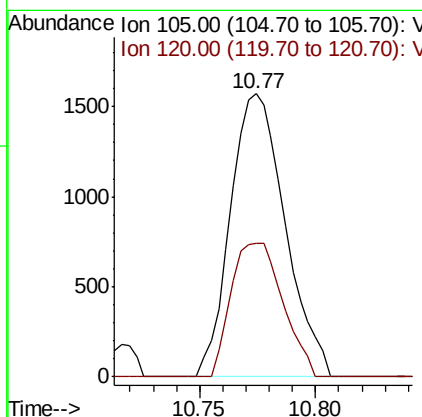
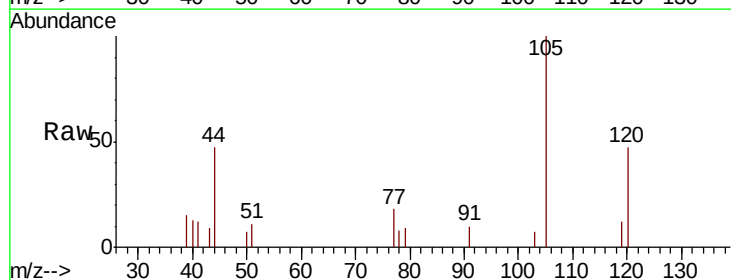
Instrument :
 MSVOA_U
 ClientSampled :

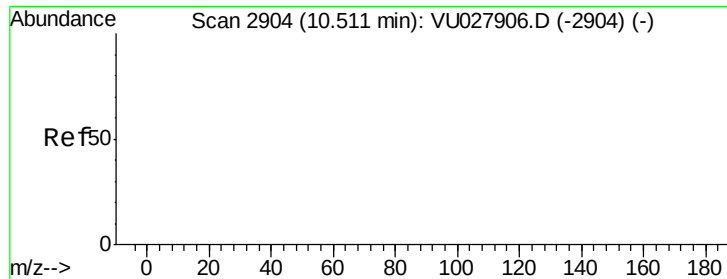
Tot Ion: 75 Resp: 105212
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.6 64.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.218 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU028097.D
 Acq: 13 Nov 2018 17:18

Tgt Ion: 105 Resp: 2577
 Ion Ratio Lower Upper
 105 100
 120 44.8 23.3 69.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.107 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU028097.D
 Acq: 13 Nov 2018 17:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 105212
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

