

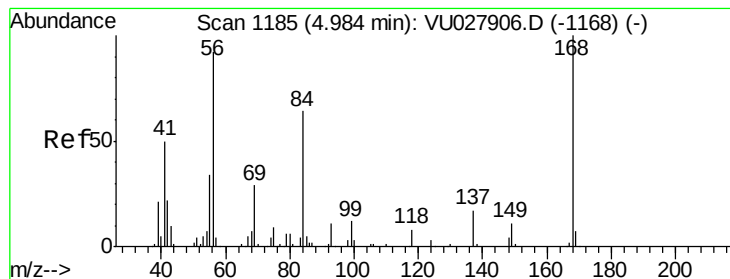
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110918\
 Data File : VU028051.D
 Acq On : 09 Nov 2018 17:45
 Operator : MD/SY
 Sample : J5885-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 R-3

Quant Time: Nov 12 06:17:41 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	200460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	383212	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	343524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	135112	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	172410	57.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.70%	
35) Dibromofluoromethane	4.89	113	125253	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	7.57	98	502859	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	10.31	95	162207	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	13316	4.355	ug/l	99
5) Bromomethane	1.62	94	274	0.269	ug/l #	46
11) Tert butyl alcohol	2.83	59	1795	2.275	ug/l #	73
13) Acrolein	2.18	56	112	Below Cal	#	1
16) Acetone	2.32	43	4643	2.511	ug/l	97
18) Methyl Acetate	2.63	43	1697	0.334	ug/l #	75
21) trans-1,2-Dichloroethene	2.98	96	5319	2.194	ug/l	90
27) cis-1,2-Dichloroethene	4.23	96	16374	6.022	ug/l	90
31) Cyclohexane	4.99	56	4881	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	18753	4.672	ug/l #	48
38) Carbon Tetrachloride	4.98	117	20482	5.759	ug/l #	18
44) Trichloroethene	6.19	130	1834	0.695	ug/l	97
60) Dibromochloromethane	8.23	129	83469	30.054	ug/l #	10
64) Tetrachloroethene	8.23	164	86602	38.879	ug/l	99
74) N-amyl acetate	9.92	43	27670	4.372	ug/l #	51
76) 1,2,3-Trichloropropane	10.31	75	84114	22.760	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	84114	56.791	ug/l #	100
86) p-Isopropyltoluene	11.48	119	2986	0.339	ug/l #	77

(#) = 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: VU028051.D

Acq: 09 Nov 2018 17:45

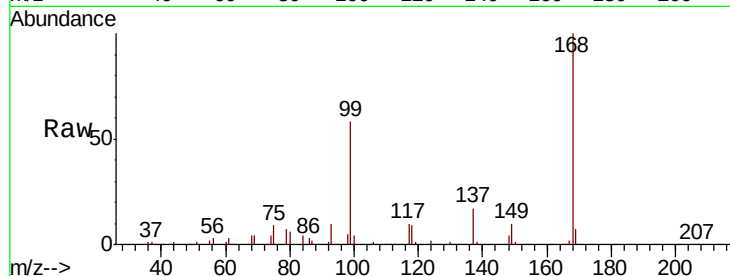
Instrument :
MSVOA_U
ClientSampleId :
R-3

Tot Ion:168 Resp: 200460

Ion Ratio Lower Upper

168 100

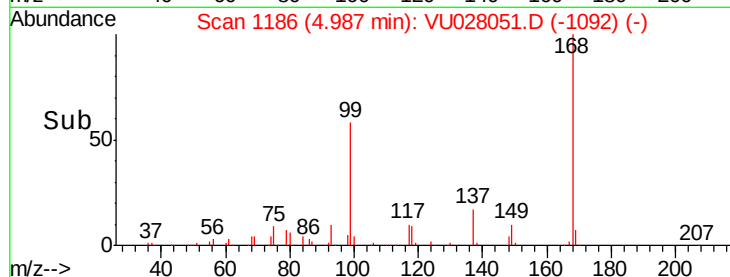
99 58.1 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU028051.D (-1092) (-)

4.99



100000

80000

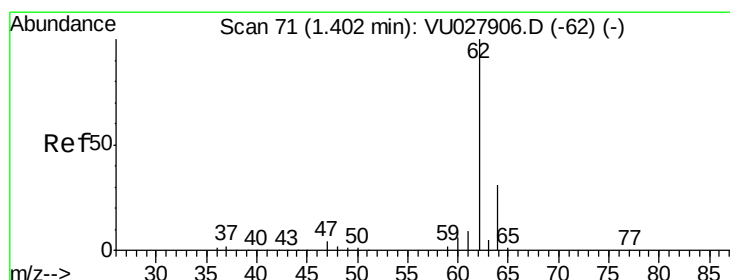
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 4.355 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028051.D

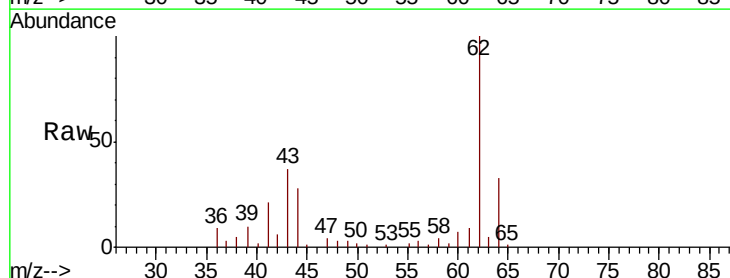
Acq: 09 Nov 2018 17:45

Tgt Ion: 62 Resp: 13316

Ion Ratio Lower Upper

62 100

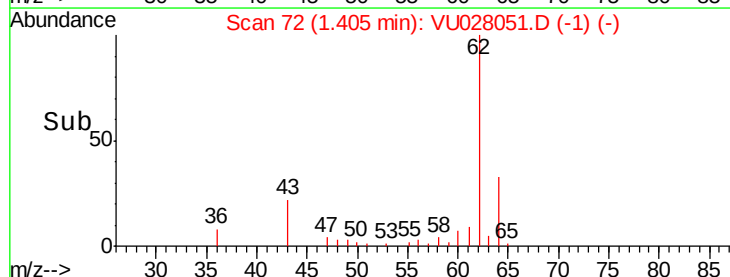
64 31.9 25.2 37.8



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

Ion 63.90 (63.60 to 64.60): VU028051.D (-1) (-)

1.40



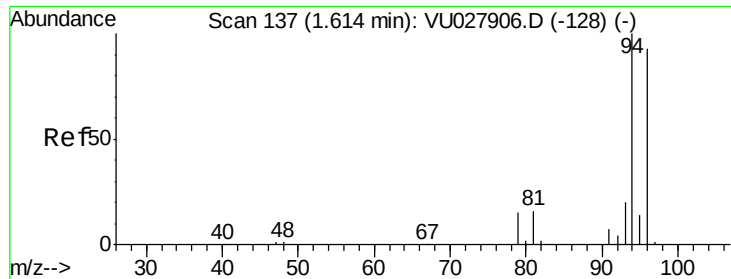
15000

10000

5000

0

Time-->



#5

Bromomethane

Concen: 0.269 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU028051.D

Acq: 09 Nov 2018 17:45

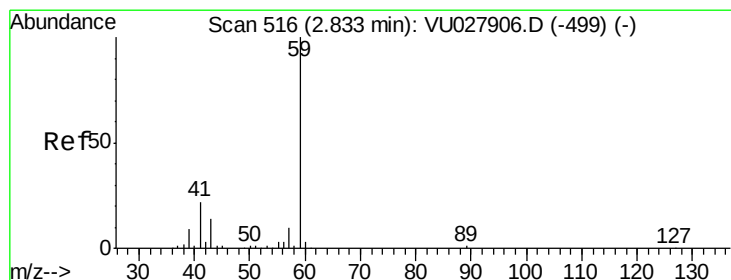
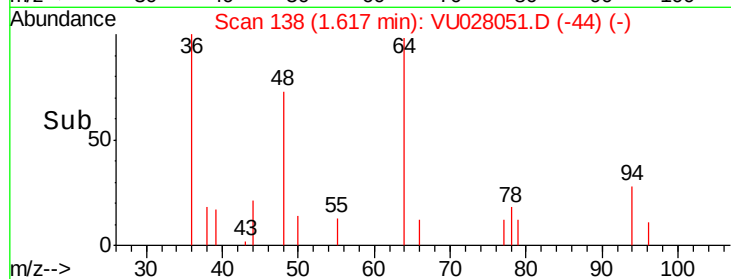
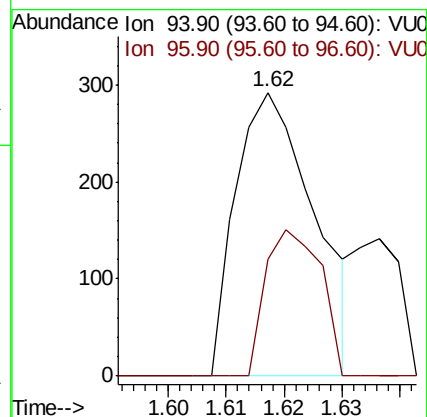
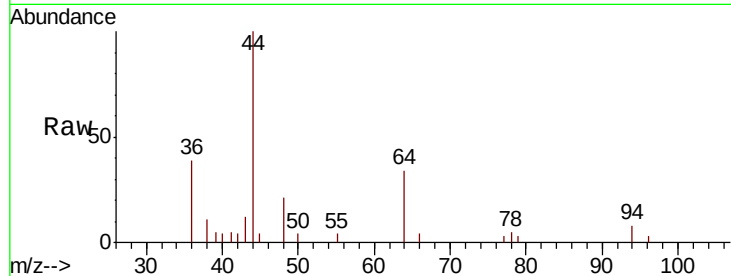
Instrument :
MSVOA_U
ClientSampled :
R-3

Tot Ion: 94 Resp: 274

Ion Ratio Lower Upper

94 100

96 41.1 74.8 112.2#



#11

Tert butyl alcohol

Concen: 2.275 ug/l

RT: 2.83 min Scan# 516

Delta R.T. -0.00 min

Lab File: VU028051.D

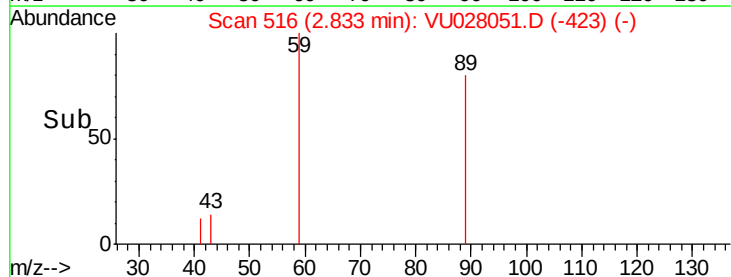
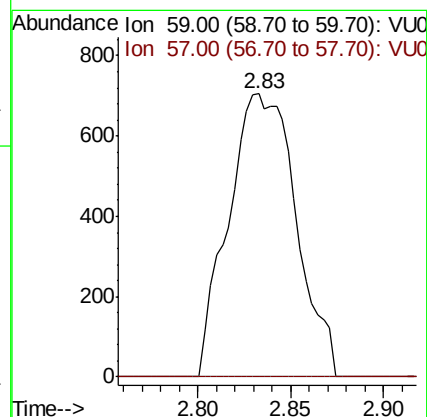
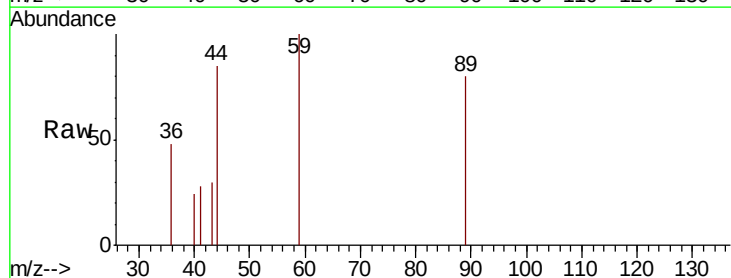
Acq: 09 Nov 2018 17:45

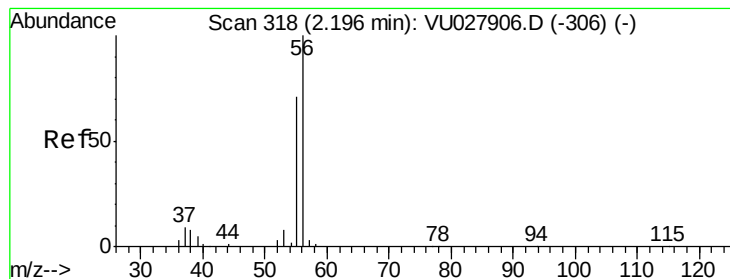
Tgt Ion: 59 Resp: 1795

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#13

Acrolein

Concen: Below Cal

RT: 2.18 min Scan# 312

Delta R.T. -0.02 min

Lab File: VU028051.D

Acq: 09 Nov 2018 17:45

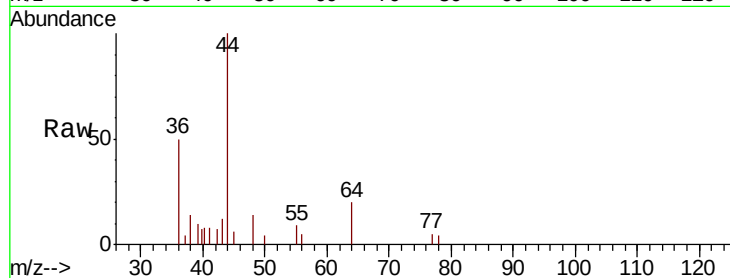
Instrument :
MSVOA_U
ClientSampleId :
R-3

Tot Ion: 56 Resp: 112

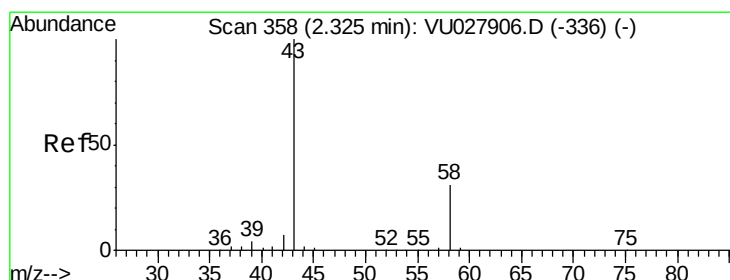
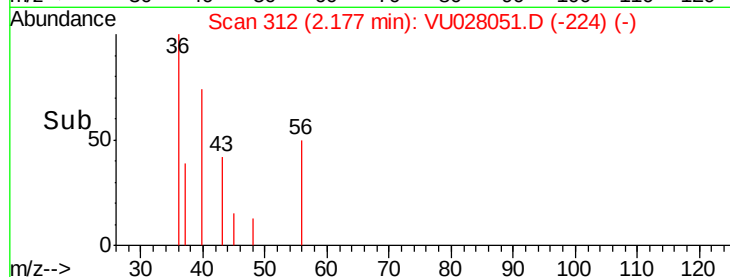
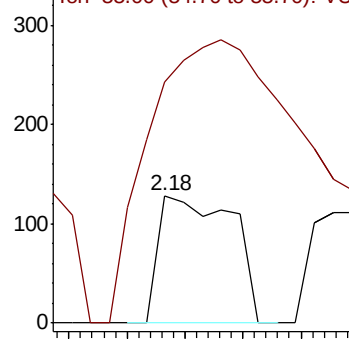
Ion Ratio Lower Upper

56 100

55 477.7 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 2.511 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028051.D

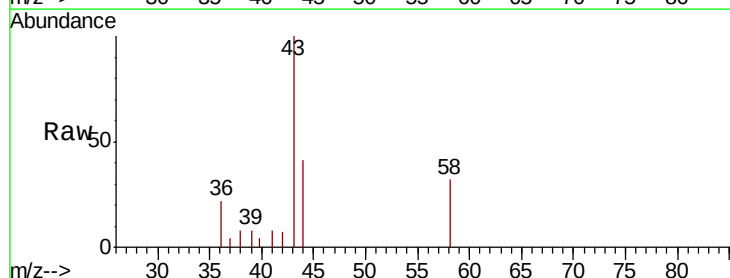
Acq: 09 Nov 2018 17:45

Tgt Ion: 43 Resp: 4643

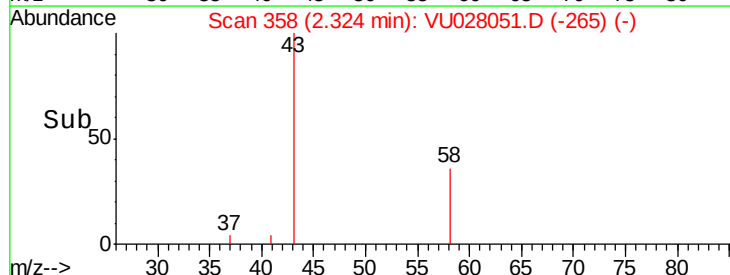
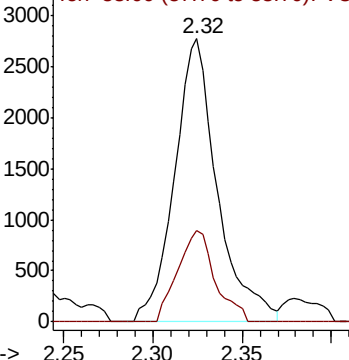
Ion Ratio Lower Upper

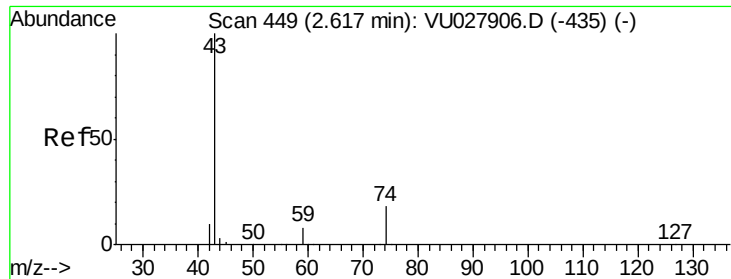
43 100

58 32.3 24.6 37.0



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

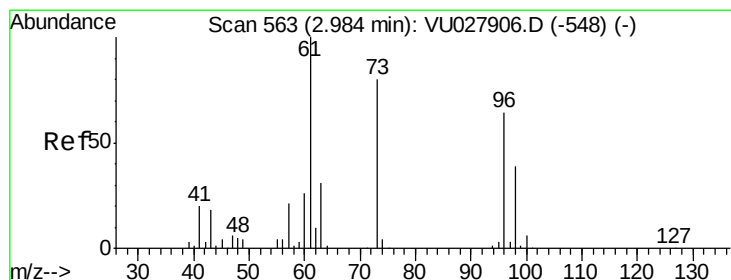
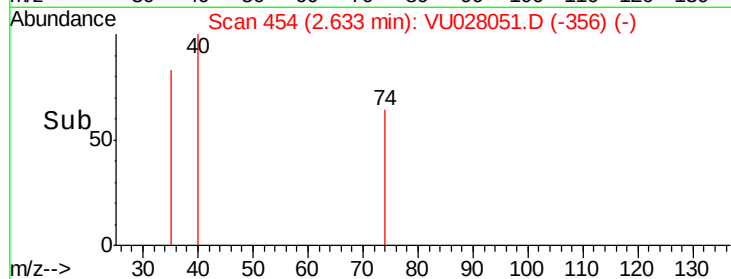
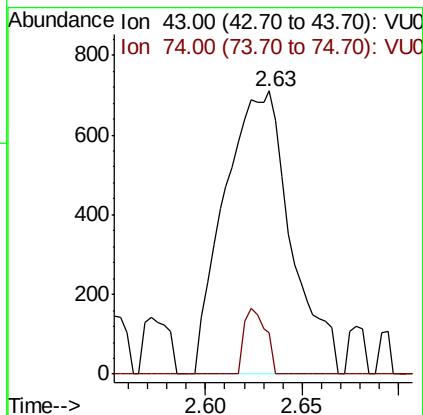
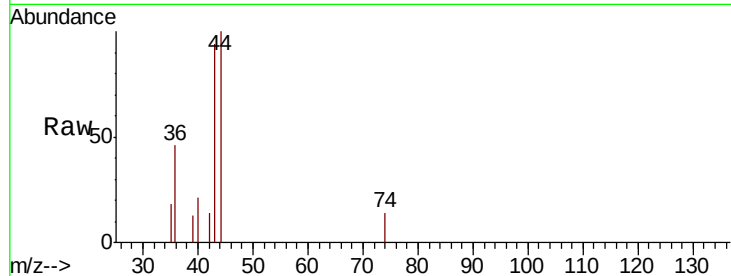




#18
Methyl Acetate
Concen: 0.334 ug/l
RT: 2.63 min Scan# 454
Delta R.T. 0.02 min
Lab File: VU028051.D
Acq: 09 Nov 2018 17:45

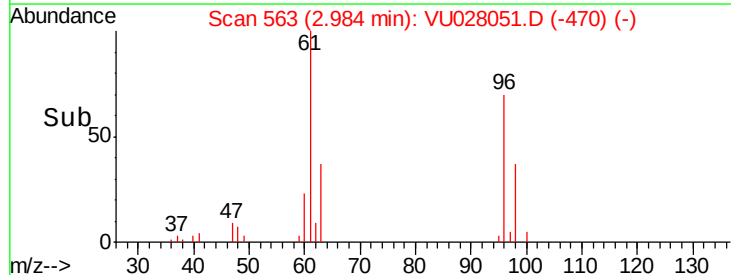
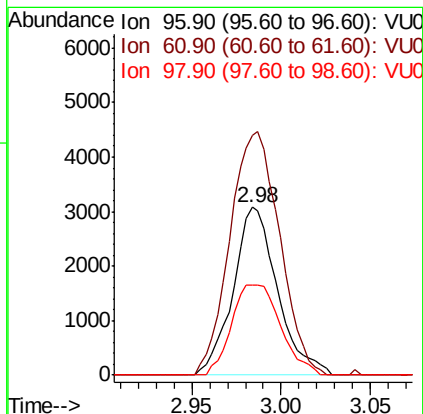
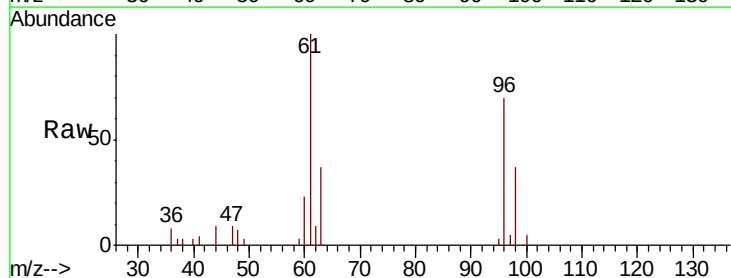
Instrument :
MSVOA_U
ClientSampleId :
R-3

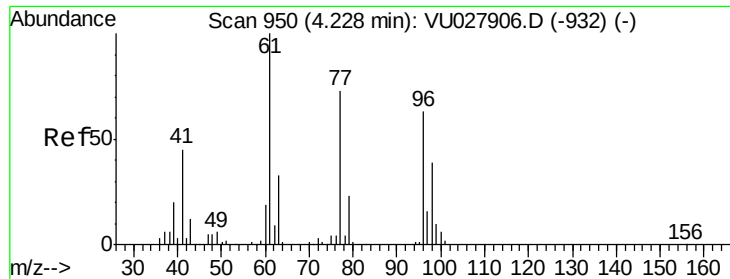
Tot Ion: 43 Resp: 1697
Ion Ratio Lower Upper
43 100
74 7.5 14.9 22.3#



#21
trans-1,2-Dichloroethene
Concen: 2.194 ug/l
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028051.D
Acq: 09 Nov 2018 17:45

Tgt Ion: 96 Resp: 5319
Ion Ratio Lower Upper
96 100
61 142.5 125.0 187.6
98 53.2 48.2 72.4



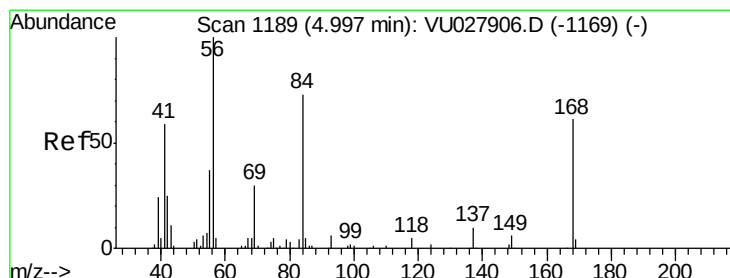
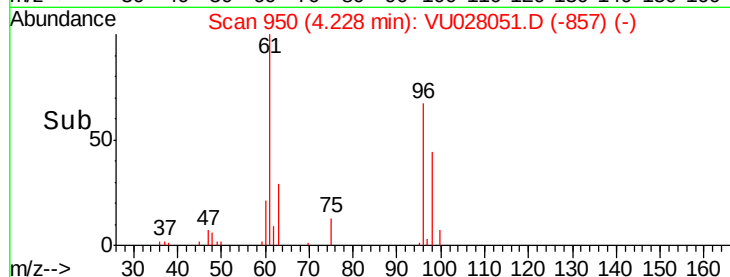
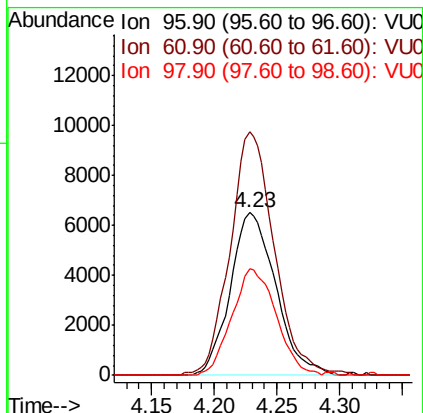
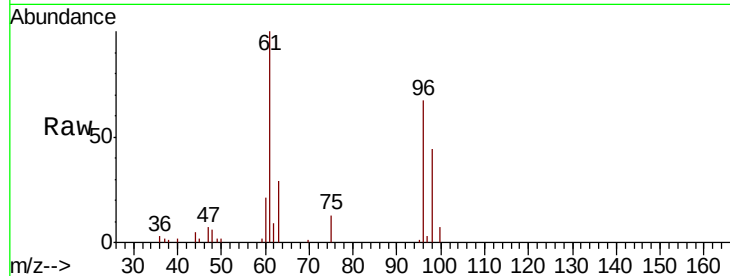


#27

cis-1,2-Dichloroethene
 Concen: 6.022 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU028051.D
 Acq: 09 Nov 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 R-3

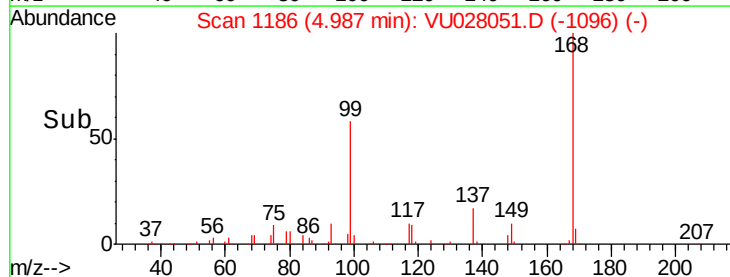
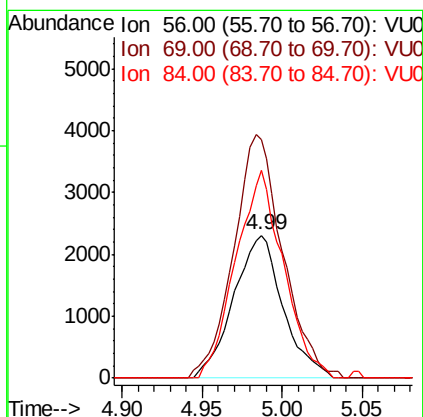
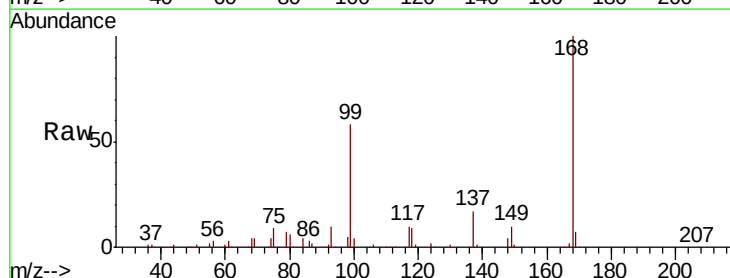
Tot Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	329.6
98	63.8	0.0	127.2

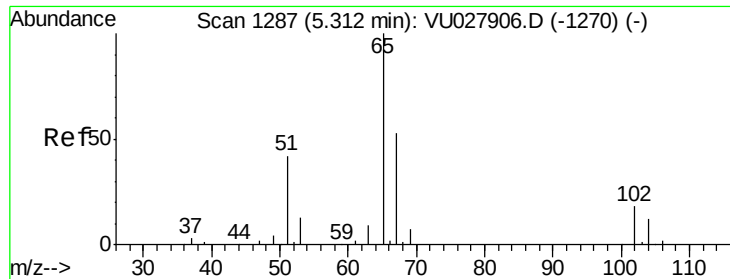


#31

Cyclohexane
 Concen: Below Cal
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VU028051.D
 Acq: 09 Nov 2018 17:45

Tgt Ion	Ratio	Lower	Upper
56	100		
69	166.7	23.7	35.5#
84	145.3	58.2	87.4#

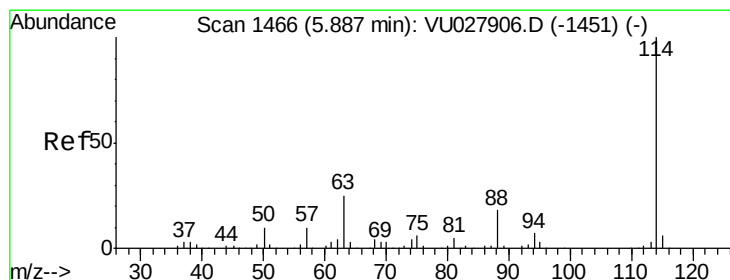
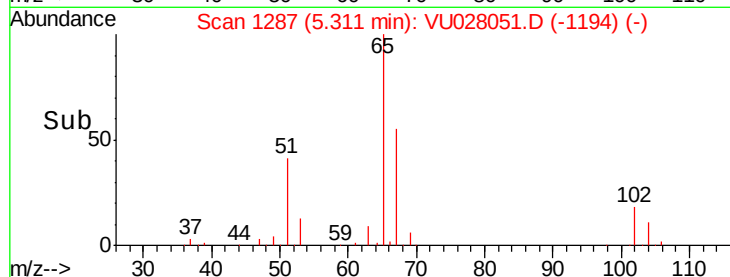
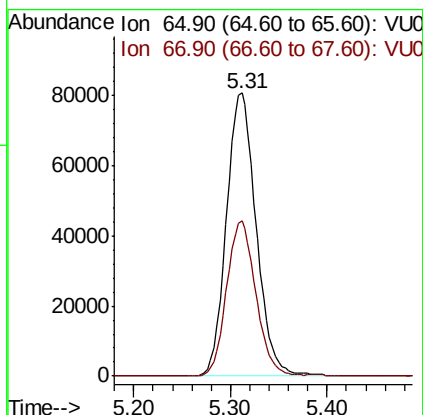
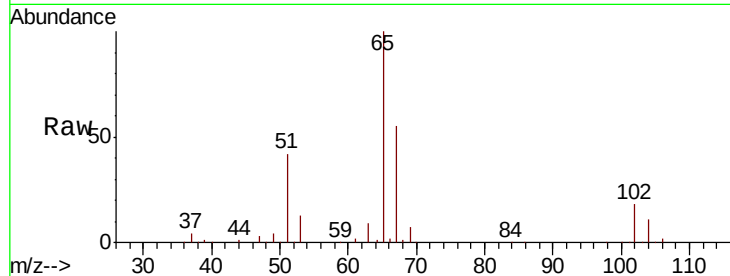




#33
 1,2-Dichloroethane-d4
 Concen: 57.849 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028051.D
 Acq: 09 Nov 2018 17:45

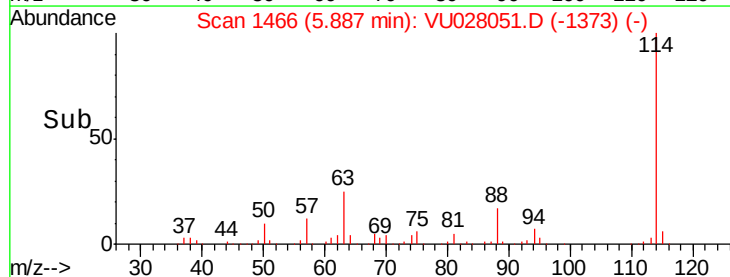
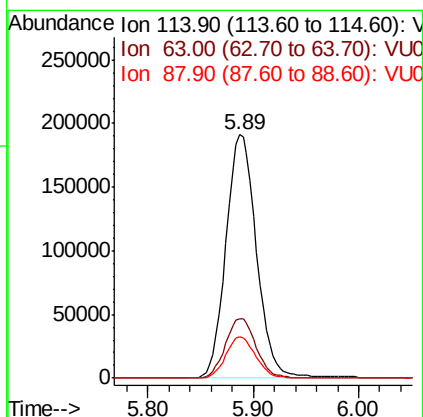
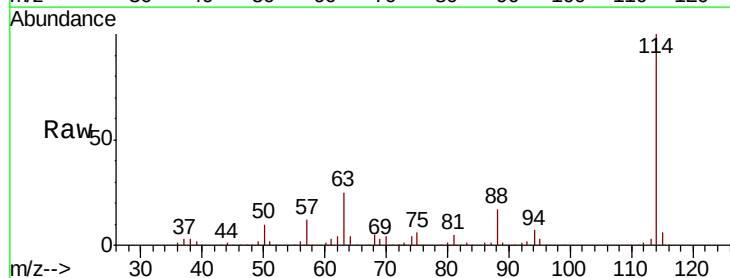
Instrument :
 MSVOA_U
 ClientSampleId :
 R-3

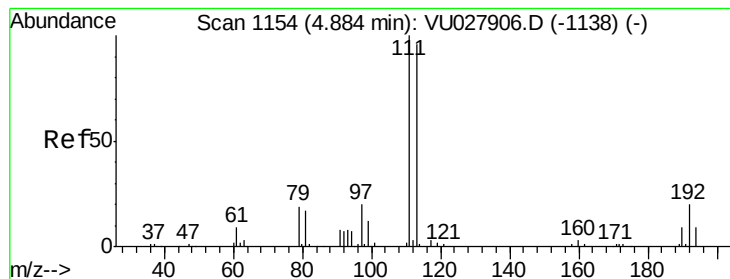
Tot Ion: 65 Resp: 172410
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028051.D
 Acq: 09 Nov 2018 17:45

Tgt Ion: 114 Resp: 383212
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.8
 88 16.9 0.0 35.8





#35

Dibromofluoromethane

Concen: 51.839 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU028051.D

Acq: 09 Nov 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
R-3

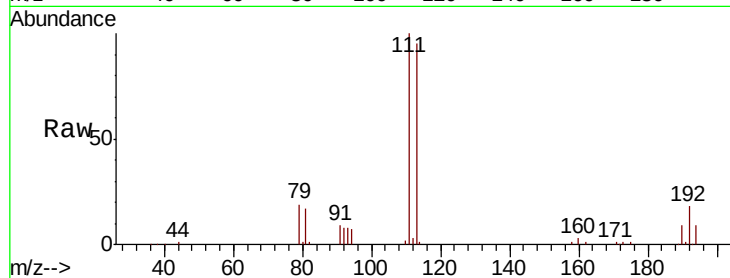
Tot Ion:113 Resp: 125253

Ion Ratio Lower Upper

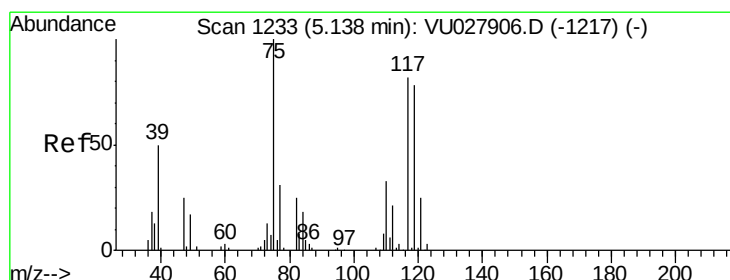
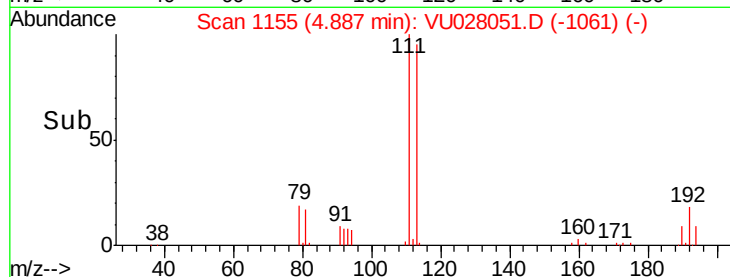
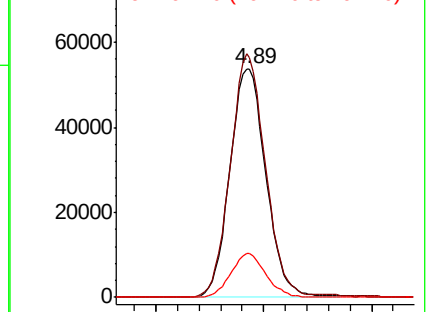
113 100

111 103.5 83.0 124.6

192 18.6 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: 4.672 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028051.D

Acq: 09 Nov 2018 17:45

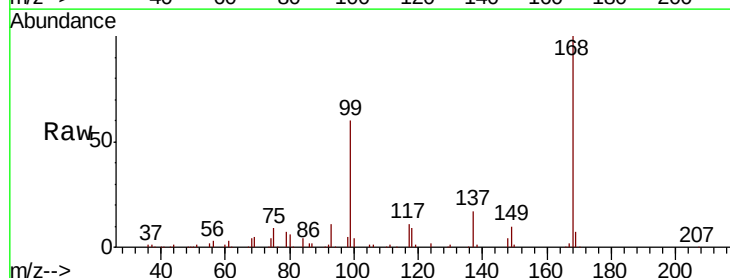
Tgt Ion: 75 Resp: 18753

Ion Ratio Lower Upper

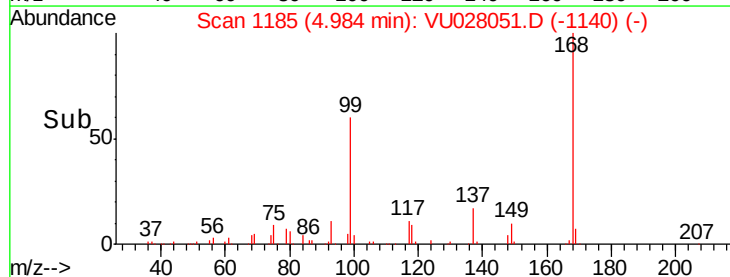
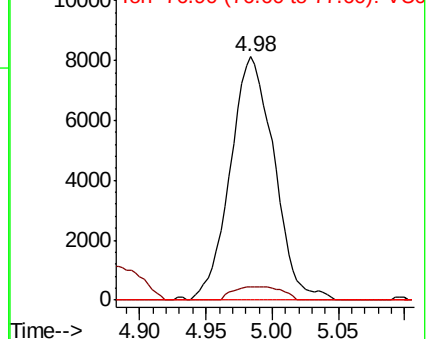
75 100

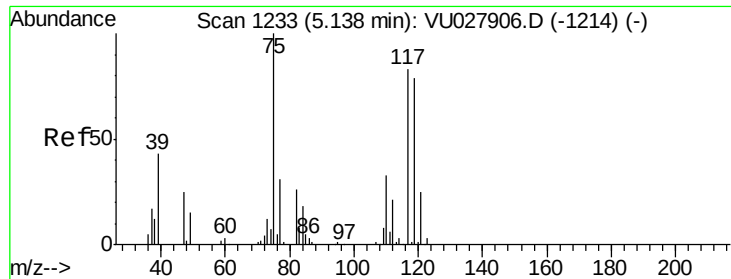
110 6.0 16.5 49.5#

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: 5.759 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028051.D

Acq: 09 Nov 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

R-3

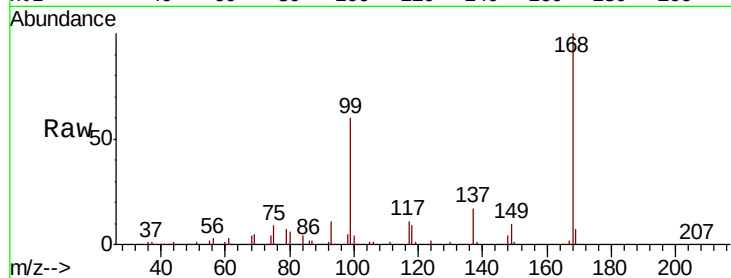
Tot Ion:117 Resp: 20482

Ion Ratio Lower Upper

117 100

119 6.8 76.0 114.0#

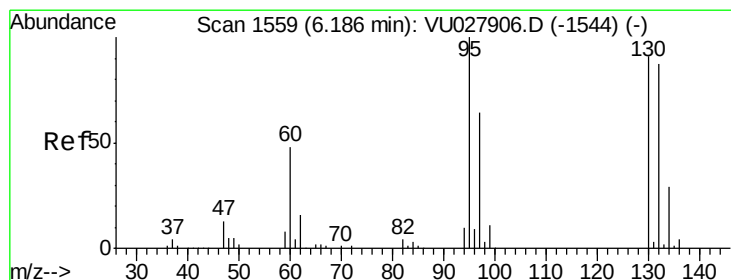
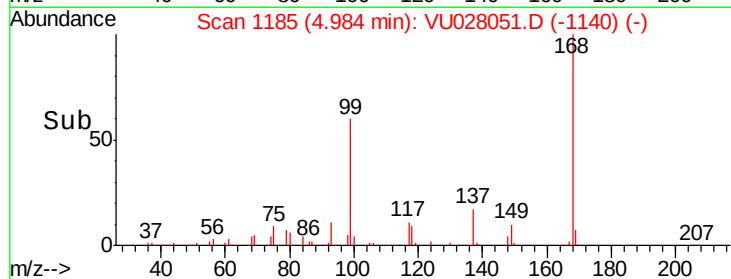
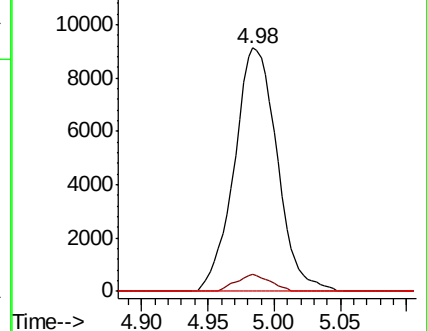
121 0.0 24.5 36.7#



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



#44

Trichloroethene

Concen: 0.695 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028051.D

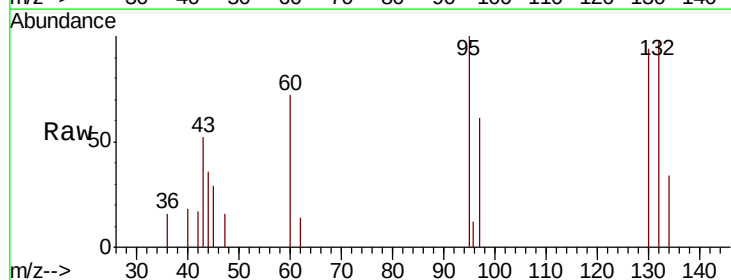
Acq: 09 Nov 2018 17:45

Tgt Ion:130 Resp: 1834

Ion Ratio Lower Upper

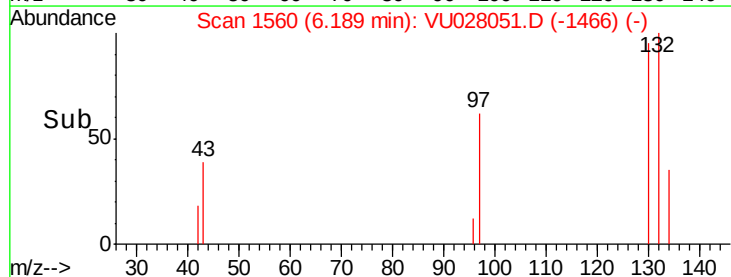
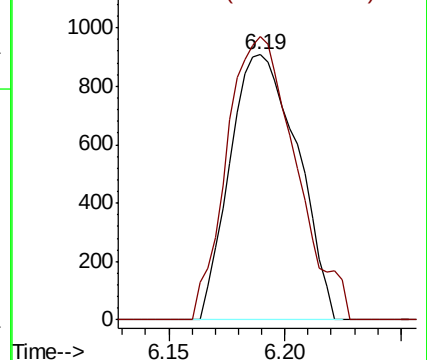
130 100

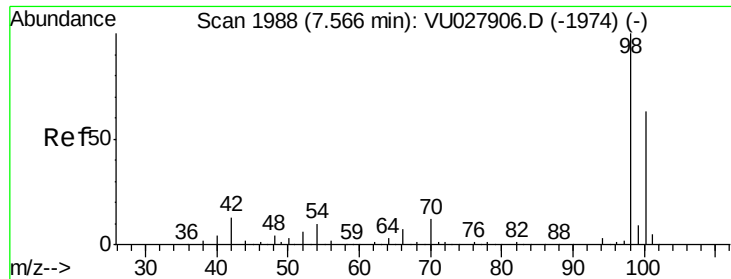
95 106.7 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

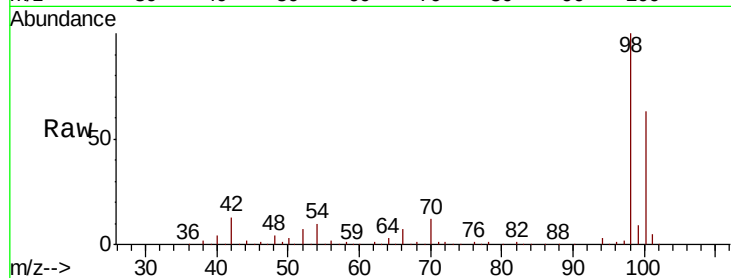




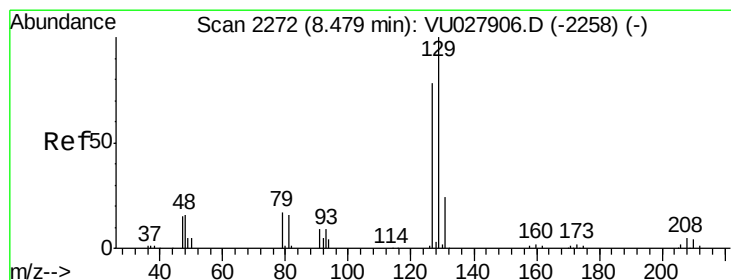
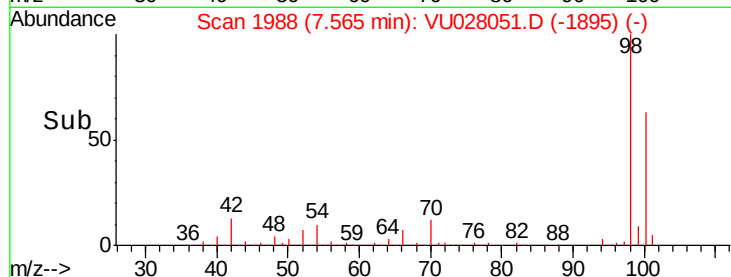
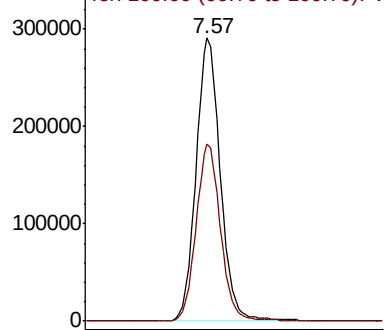
#50
Toluene-d8
Concen: 53.876 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028051.D
Acq: 09 Nov 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
R-3

Tot Ion: 98 Resp: 502859
Ion Ratio Lower Upper
98 100
100 63.0 50.1 75.1

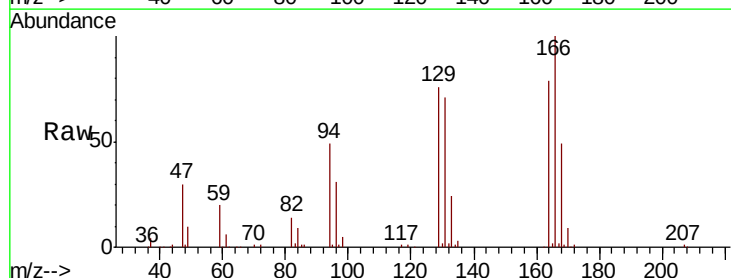


Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)
Ion 100.00 (99.70 to 100.70): VU028051.D (-1895) (-)

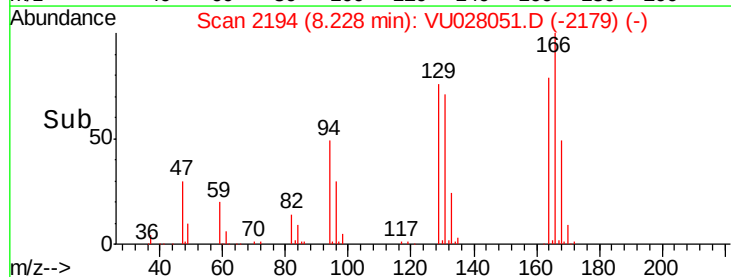
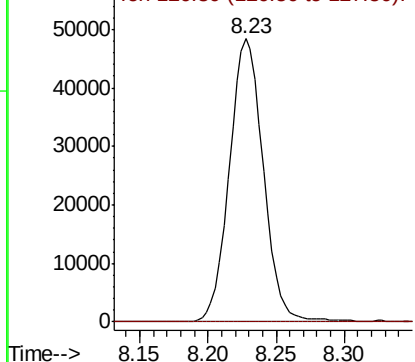


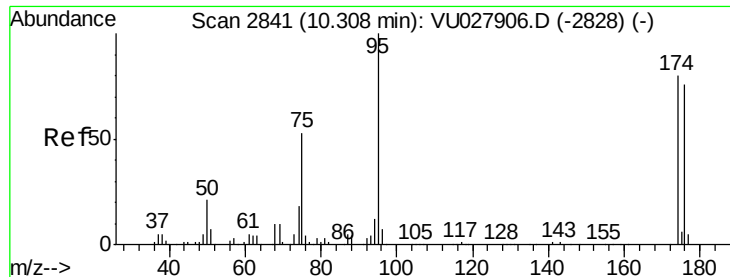
#60
Dibromochloromethane
Concen: 30.054 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028051.D
Acq: 09 Nov 2018 17:45

Tgt Ion: 129 Resp: 83469
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#



Abundance Ion 128.80 (128.50 to 129.50): VU027906.D (-2258) (-)
Ion 126.80 (126.50 to 127.50): VU028051.D (-2179) (-)

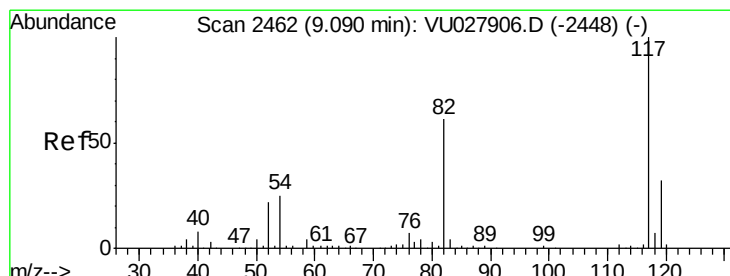
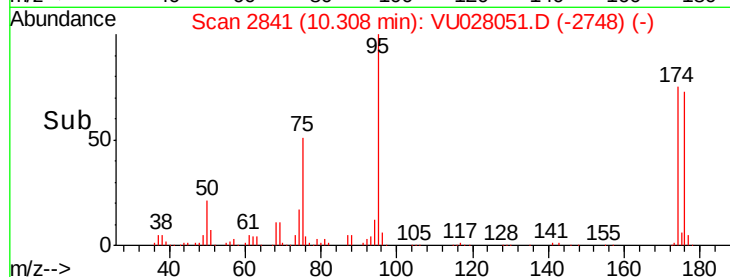
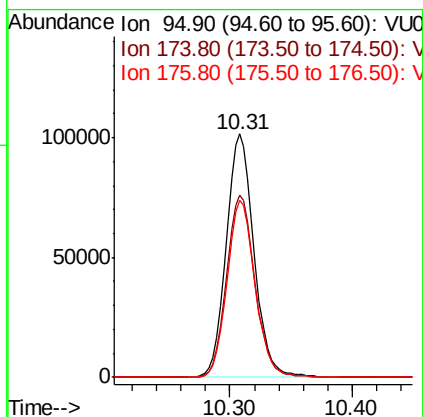
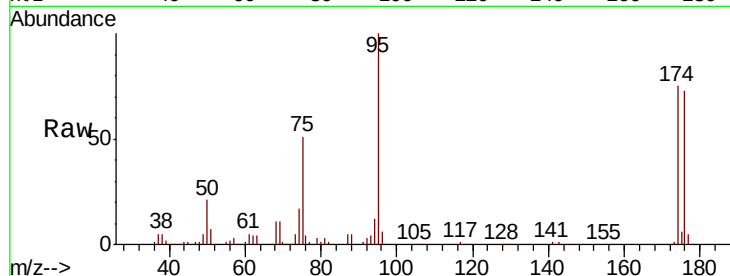




#62
4-Bromofluorobenzene
Concen: 47.117 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU028051.D
Acq: 09 Nov 2018 17:45

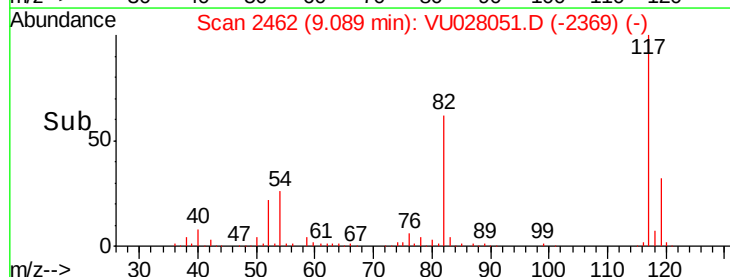
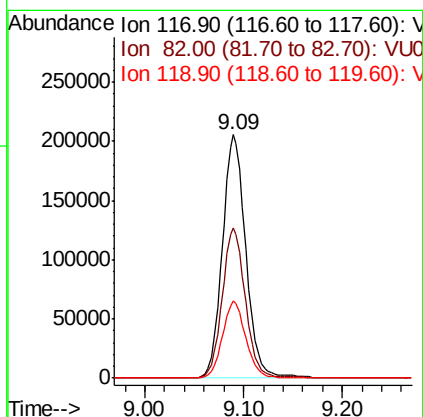
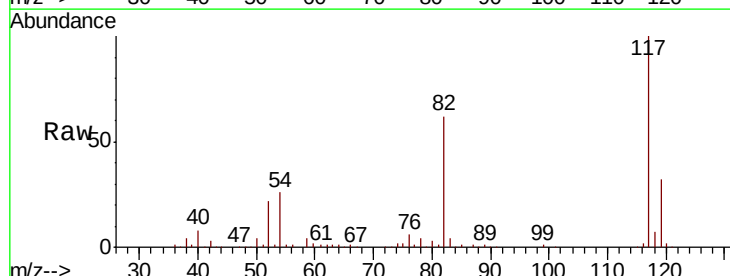
Instrument :
MSVOA_U
ClientSampleId :
R-3

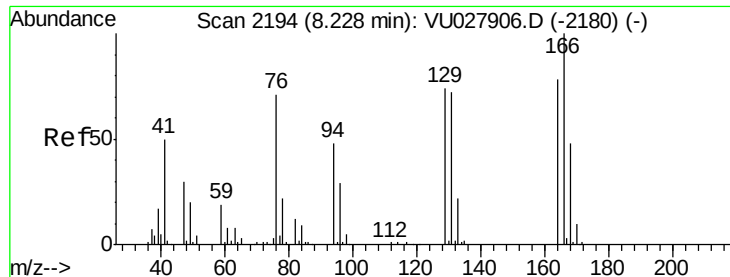
Tot Ion: 95 Resp: 162207
Ion Ratio Lower Upper
95 100
174 76.7 0.0 156.4
176 73.2 0.0 150.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028051.D
Acq: 09 Nov 2018 17:45

Tgt Ion: 117 Resp: 343524
Ion Ratio Lower Upper
117 100
82 61.5 48.6 73.0
119 31.5 25.8 38.8





#64

Tetrachloroethene

Concen: 38.879 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028051.D

Acq: 09 Nov 2018 17:45

Instrument :
MSVOA_U
ClientSampled :
R-3

Tot Ion:164 Resp: 86602

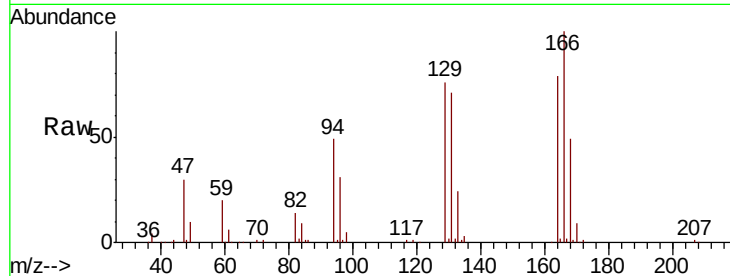
Ion Ratio Lower Upper

164 100

166 126.2 102.1 153.1

129 95.9 75.9 113.9

131 89.5 73.0 109.6



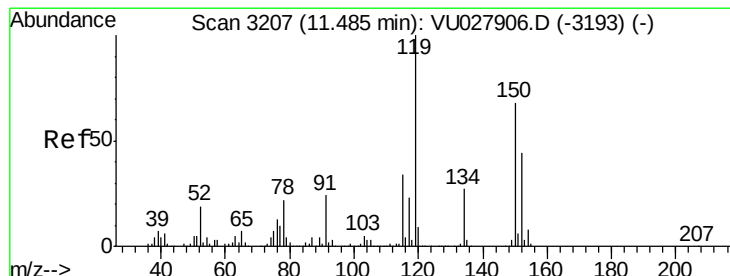
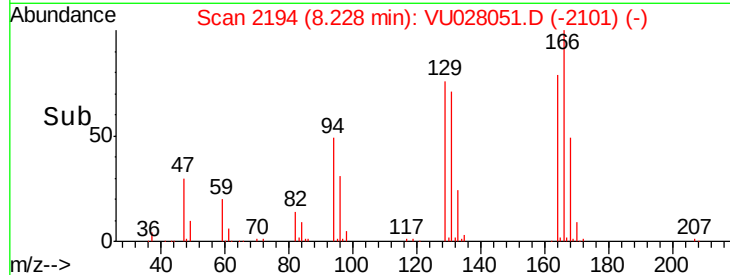
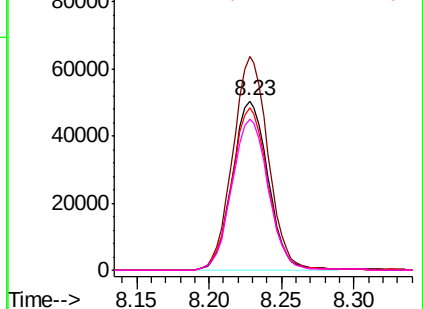
Abundance

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# 3206

Delta R.T. -0.00 min

Lab File: VU028051.D

Acq: 09 Nov 2018 17:45

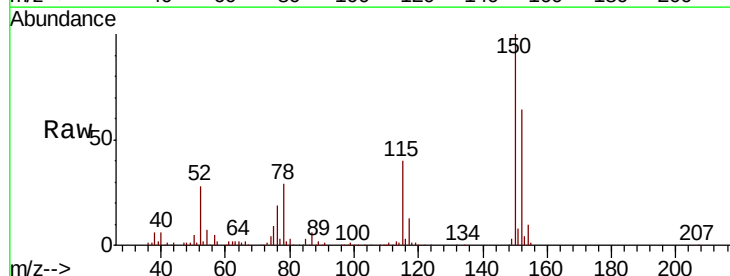
Tgt Ion:152 Resp: 135112

Ion Ratio Lower Upper

152 100

115 62.2 43.0 129.0

150 158.1 0.0 349.4

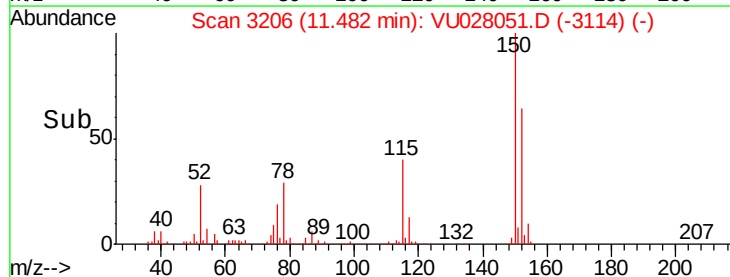
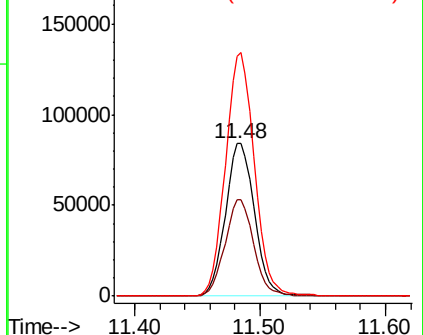


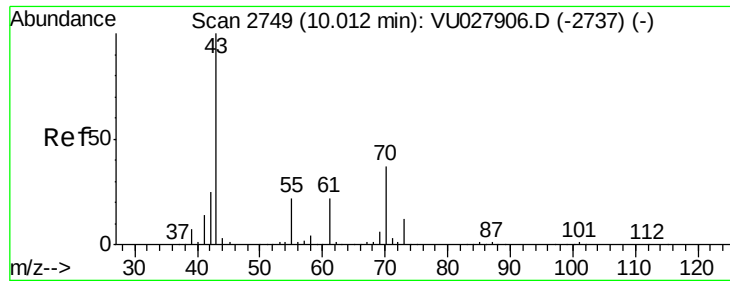
Abundance

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





#74

N-amvl acetate

Concen: 4.372 ug/l

RT: 9.92 min Scan# 2721

Delta R.T. -0.09 min

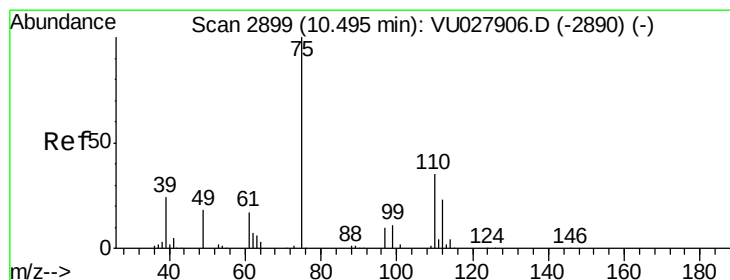
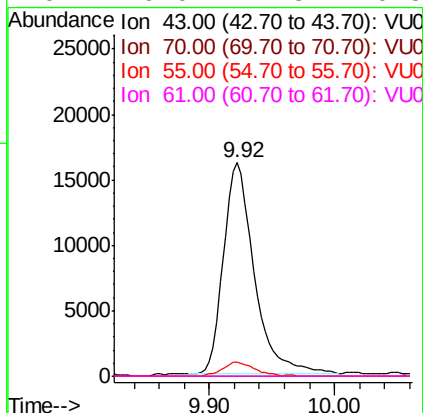
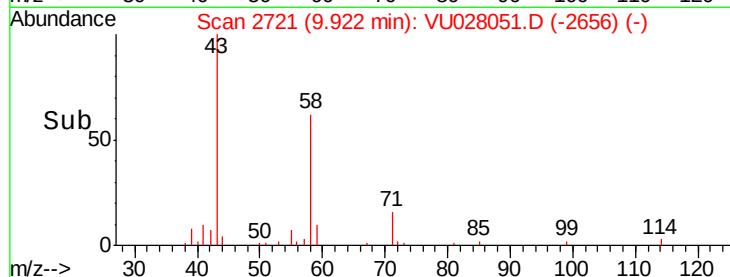
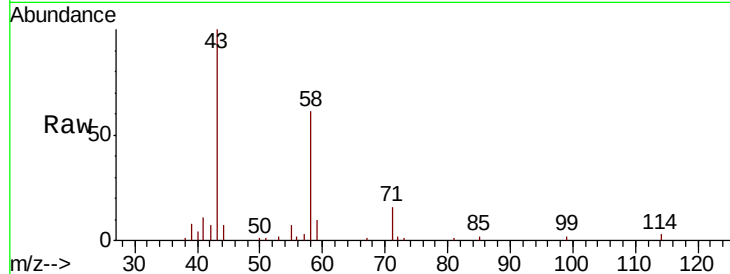
Lab File: VU028051.D

Acq: 09 Nov 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
R-3

Tot Ion: 43 Resp: 27670

Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.2	43.8#
55	6.8	17.8	26.6#
61	0.0	17.8	26.8#



#76

1,2,3-Trichloropropane

Concen: 22.760 ug/l

RT: 10.31 min Scan# 2841

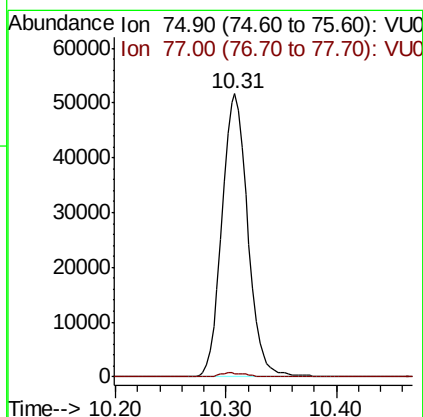
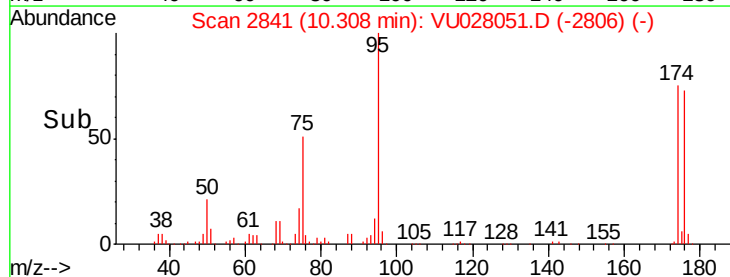
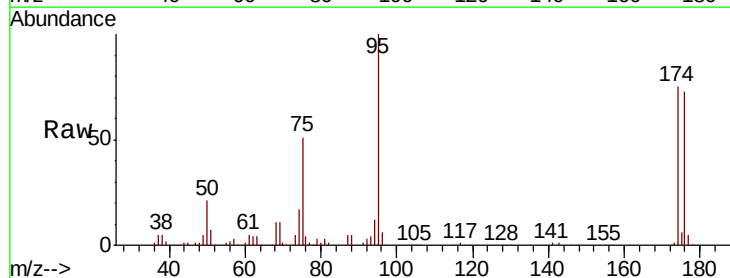
Delta R.T. -0.19 min

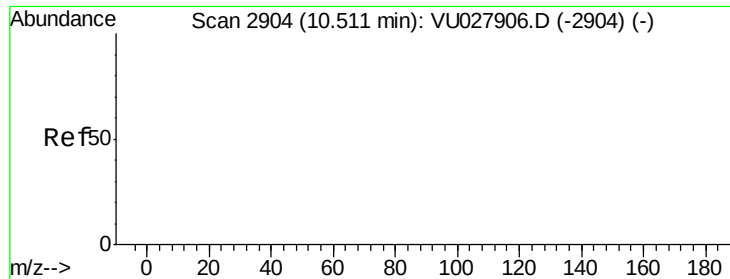
Lab File: VU028051.D

Acq: 09 Nov 2018 17:45

Tgt Ion: 75 Resp: 84114

Ion	Ratio	Lower	Upper
75	100		
77	1.3	21.6	64.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 56.791 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028051.D

Acq: 09 Nov 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

R-3

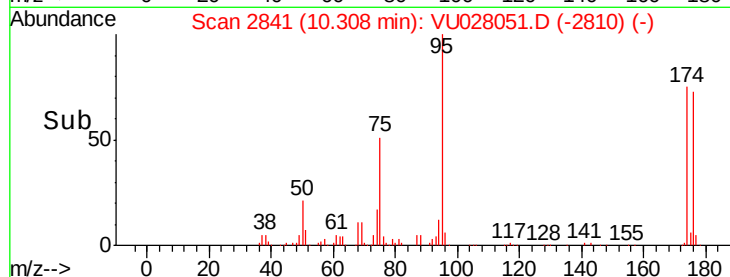
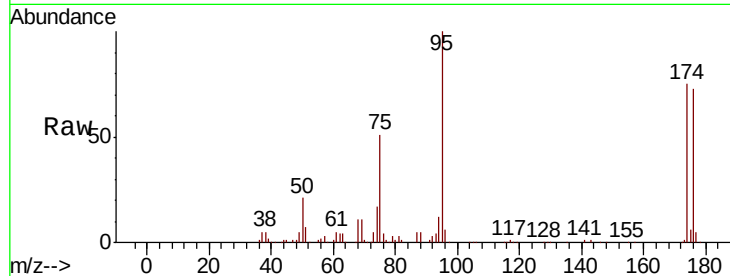
Tot Ion: 75 Resp: 84114

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

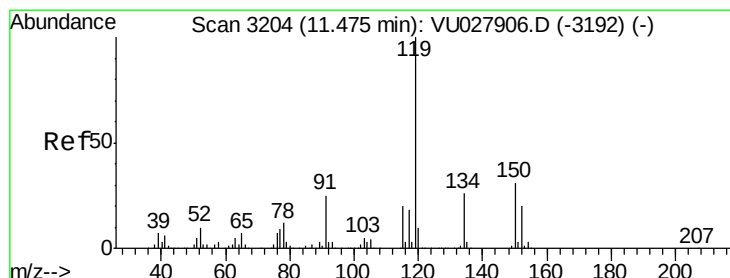
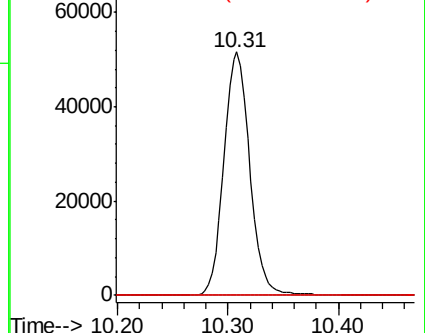
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU028051.D (-2810) (-)

Ion 53.00 (52.70 to 53.70): VU028051.D (-2810) (-)

Ion 88.90 (88.60 to 89.60): VU028051.D (-2810) (-)



#86

p-Isopropyltoluene

Concen: 0.339 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028051.D

Acq: 09 Nov 2018 17:45

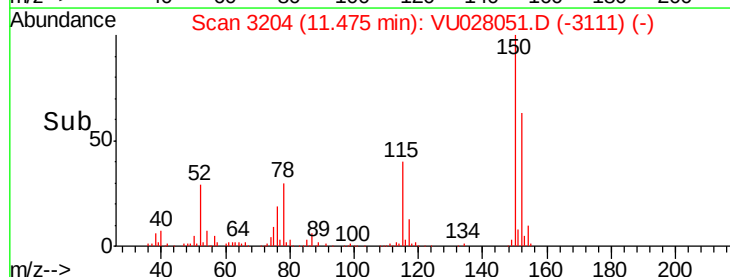
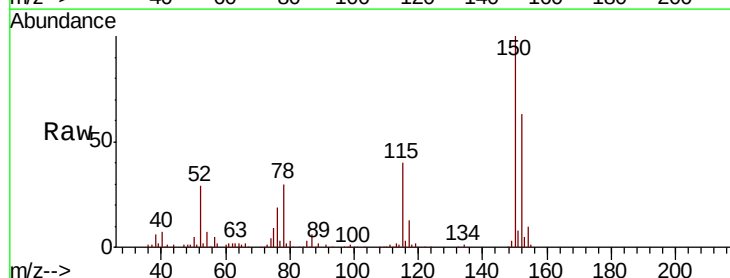
Tgt Ion: 119 Resp: 2986

Ion Ratio Lower Upper

119 100

134 28.3 12.9 38.7

91 45.3 12.4 37.2#



Abundance Ion 119.00 (118.70 to 119.70): VU028051.D (-3111) (-)

Ion 134.00 (133.70 to 134.70): VU028051.D (-3111) (-)

Ion 91.00 (90.70 to 91.70): VU028051.D (-3111) (-)

