

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
 Data File : VU027556.D
 Acq On : 10 Oct 2018 08:36
 Operator : MD/SY
 Sample : VU1010WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBL02

Quant Time: Oct 11 04:01:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	125095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	202952	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	178454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	77482	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	92066	44.07	ug/l	0.00
Spiked Amount			Recovery	=	88.14%	
35) Dibromofluoromethane	4.88	113	68040	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	7.57	98	252278	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	10.31	95	87328	45.14	ug/l	0.00
Spiked Amount			Recovery	=	90.28%	

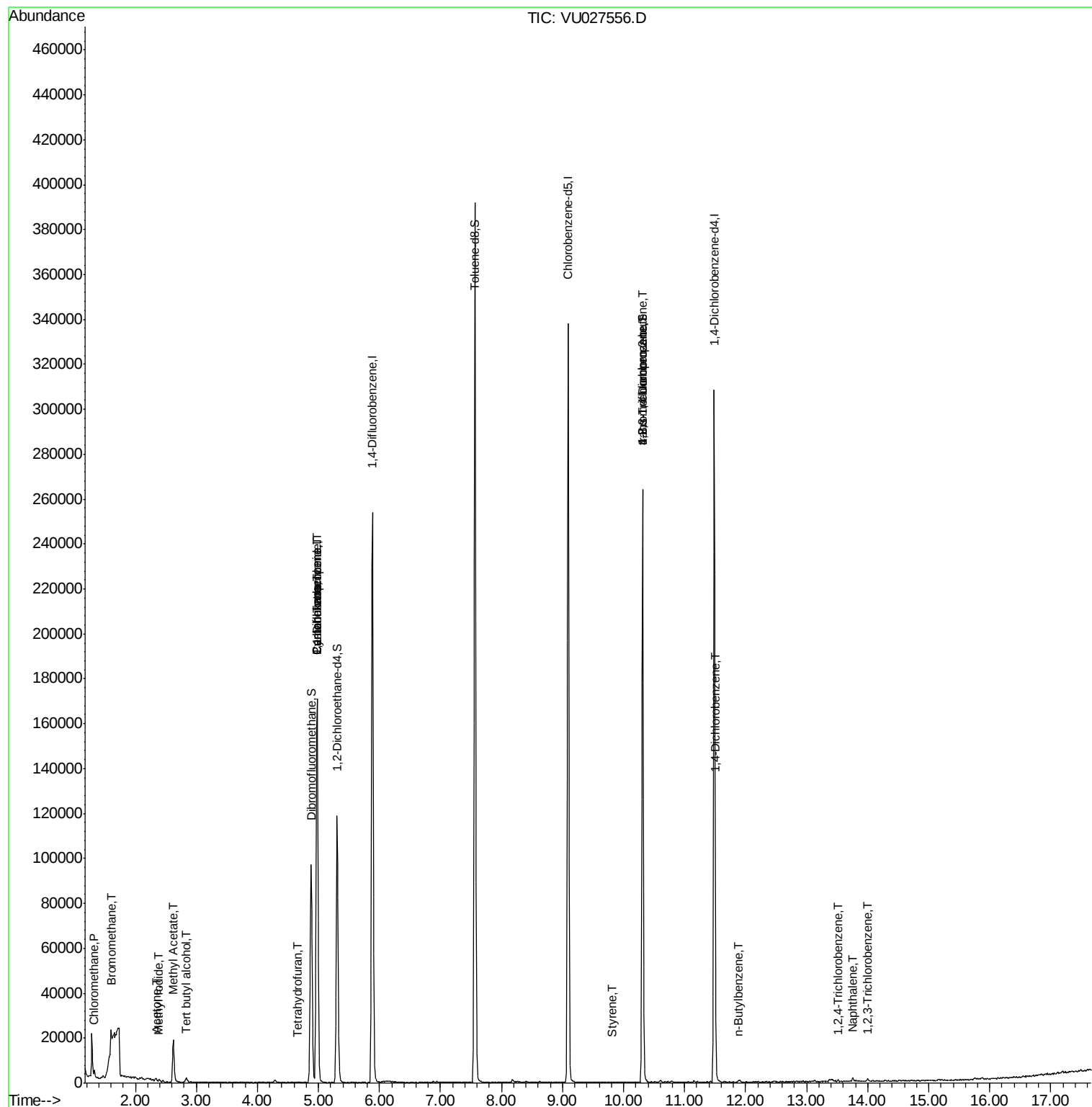
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2015	0.825	ug/l	91
5) Bromomethane	1.60	94	2628	2.646	ug/l	92
10) Methyl Iodide	2.39	142	906	8.967	ug/l #	85
11) Tert butyl alcohol	2.83	59	1415	3.217	ug/l #	72
16) Acetone	2.34	43	753	0.610	ug/l	97
18) Methyl Acetate	2.62	43	24205	8.598	ug/l	99
29) Tetrahydrofuran	4.67	42	313	0.295	ug/l #	39
31) Cyclohexane	4.98	56	2939	0.642	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	10722	4.866	ug/l #	49
38) Carbon Tetrachloride	4.97	117	12377	6.218	ug/l #	18
70) Styrene	9.82	104	81	2.317	ug/l #	24
76) 1,2,3-Trichloropropane	10.31	75	45120	22.464	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	45120	58.792	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	575	0.227	ug/l #	25
89) n-Butylbenzene	11.90	91	490	2.042	ug/l #	74
93) 1,2,4-Trichlorobenzene	13.51	180	492	0.315	ug/l #	87
95) Naphthalene	13.75	128	2626	2.093	ug/l #	85
96) 1,2,3-Trichlorobenzene	14.00	180	659	0.406	ug/l #	86

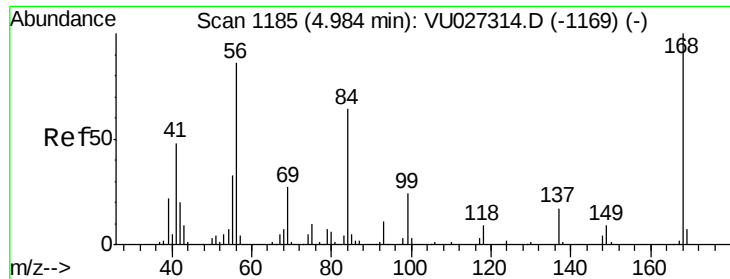
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
Data File : VU027556.D
Acq On : 10 Oct 2018 08:36
Operator : MD/SY
Sample : VU1010WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBL02

Quant Time: Oct 11 04:01:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VU027556.D

Acq: 10 Oct 2018 08:36

Instrument :

MSVOA_U

ClientSampleId :

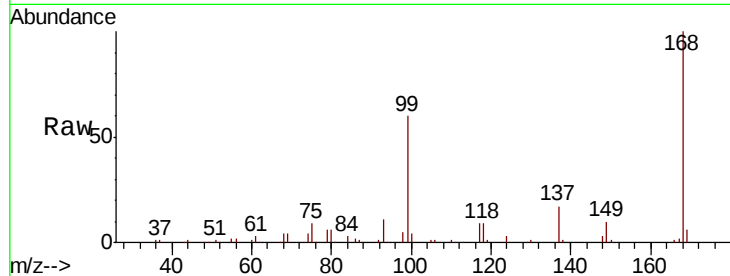
VU1010WBL02

Tgt Ion:168 Resp: 125095

Ion Ratio Lower Upper

168 100

99 60.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.98

60000

50000

40000

30000

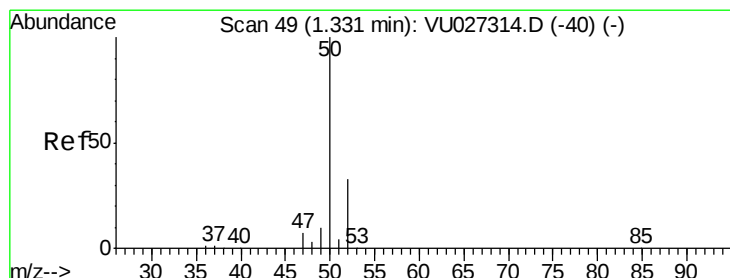
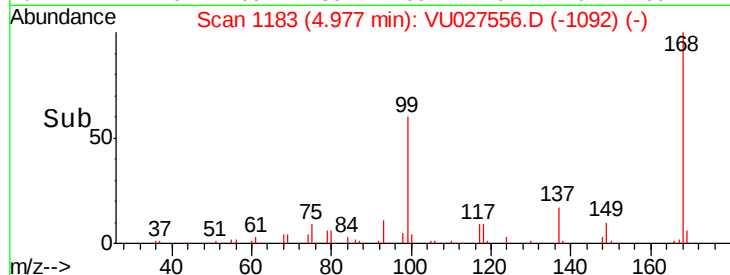
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.825 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027556.D

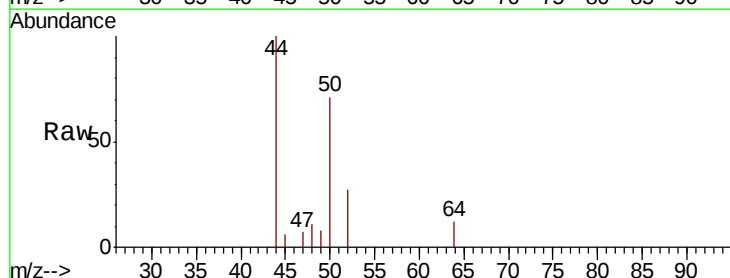
Acq: 10 Oct 2018 08:36

Tgt Ion: 50 Resp: 2015

Ion Ratio Lower Upper

50 100

52 38.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU027314.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027314.D (-40) (-)

1.33

2000

1500

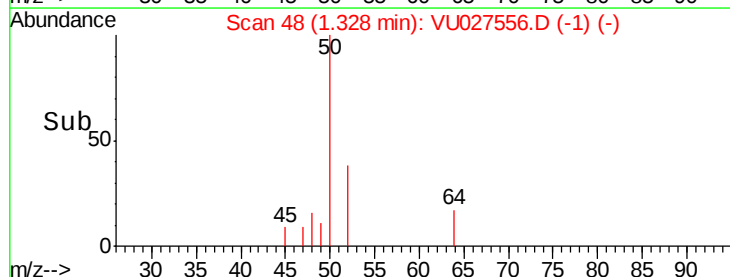
1000

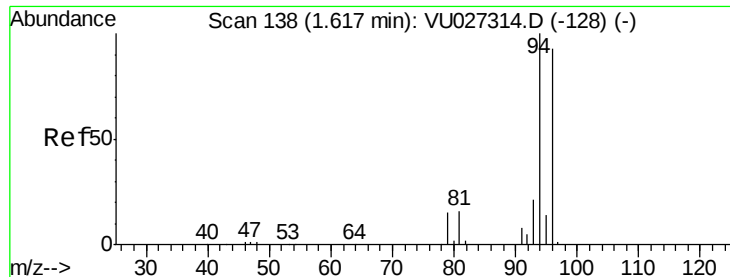
500

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: 2.646 ug/l

RT: 1.60 min Scan# 132

Delta R.T. -0.02 min

Lab File: VU027556.D

Acq: 10 Oct 2018 08:36

Instrument :

MSVOA_U

ClientSampleId :

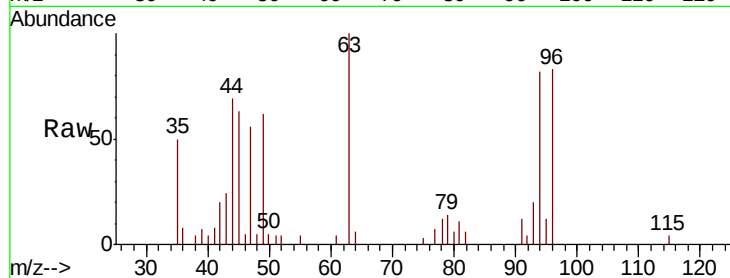
VU1010WBL02

Tgt Ion: 94 Resp: 2628

Ion Ratio Lower Upper

94 100

96 100.7 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VU027314.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027314.D (-128) (-)

1.60

2500

2000

1500

1000

500

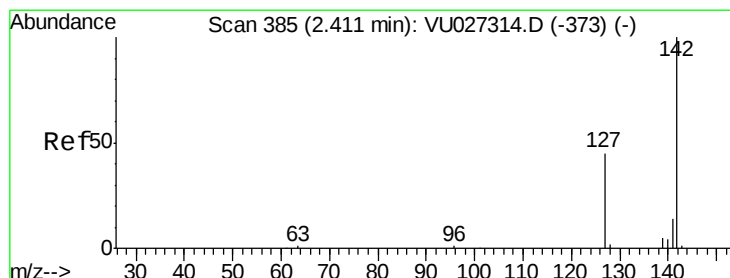
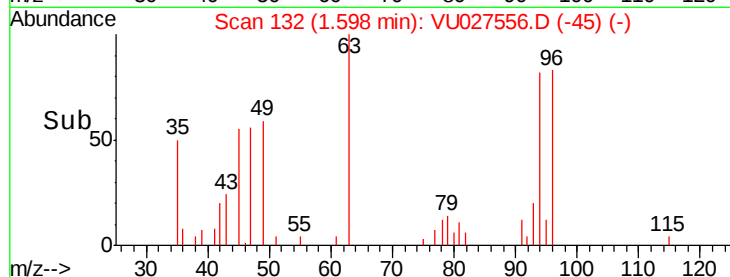
0

1.55

1.60

1.65

Time-->



#10

Methyl Iodide

Concen: 8.967 ug/l

RT: 2.39 min Scan# 377

Delta R.T. -0.03 min

Lab File: VU027556.D

Acq: 10 Oct 2018 08:36

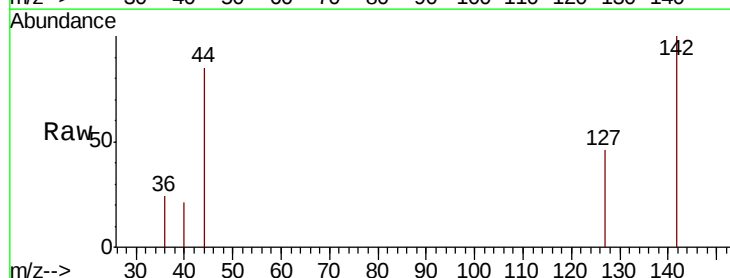
Tgt Ion: 142 Resp: 906

Ion Ratio Lower Upper

142 100

127 40.1 36.3 54.5

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VU027314.D (-373) (-)

Ion 126.80 (126.50 to 127.50): VU027314.D (-373) (-)

Ion 140.80 (140.50 to 141.50): VU027314.D (-373) (-)

2.39

600

400

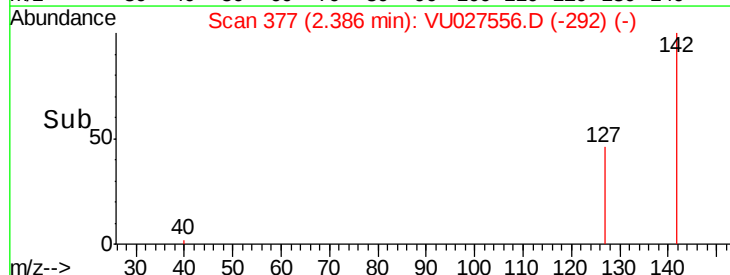
200

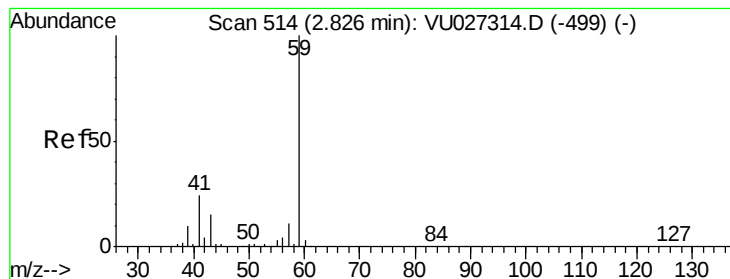
0

2.35

2.40

Time-->





#11

Tert butyl alcohol

Concen: 3.217 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.01 min

Lab File: VU027556.D

Acq: 10 Oct 2018 08:36

Instrument :

MSVOA_U

ClientSampleId :

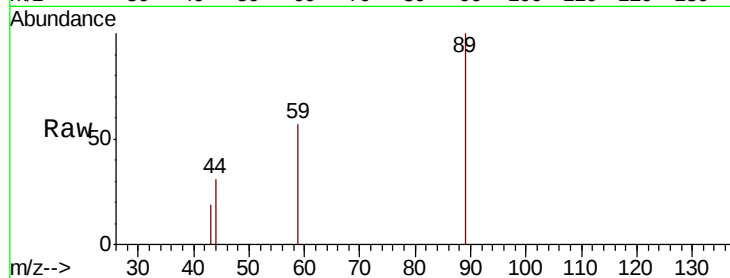
VU1010WBL02

Tgt Ion: 59 Resp: 1415

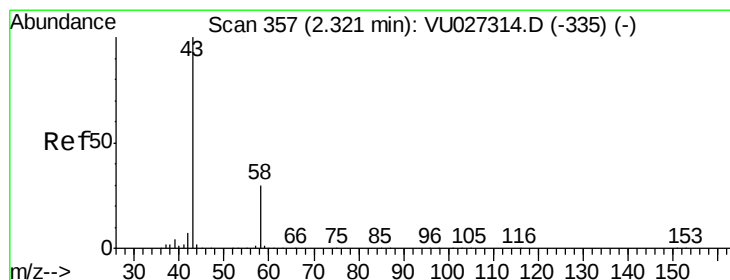
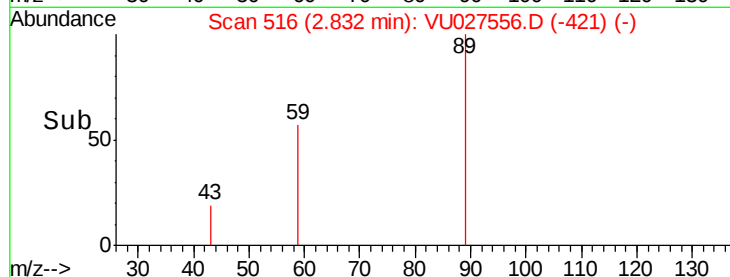
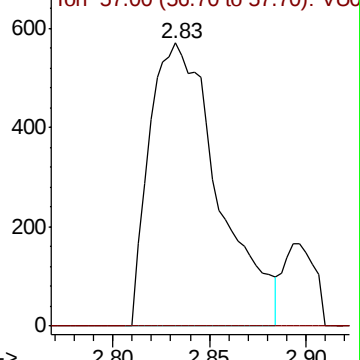
Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)



#16

Acetone

Concen: 0.610 ug/l

RT: 2.34 min Scan# 362

Delta R.T. 0.02 min

Lab File: VU027556.D

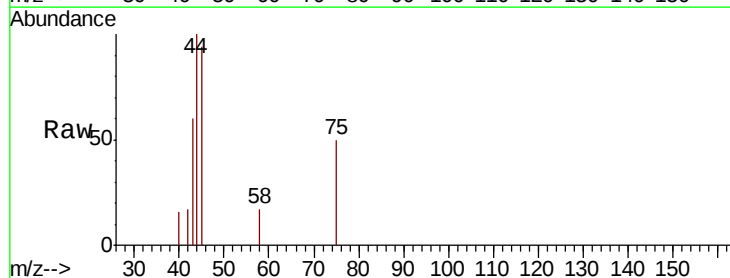
Acq: 10 Oct 2018 08:36

Tgt Ion: 43 Resp: 753

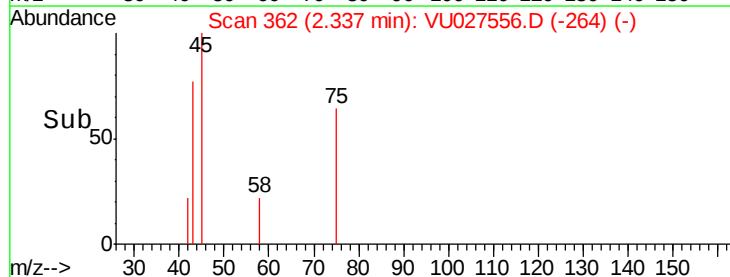
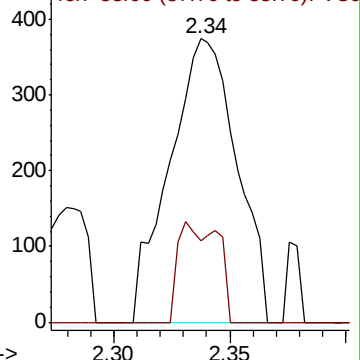
Ion Ratio Lower Upper

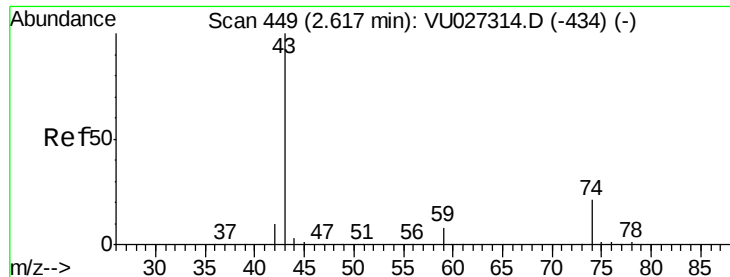
43 100

58 28.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-335) (-)

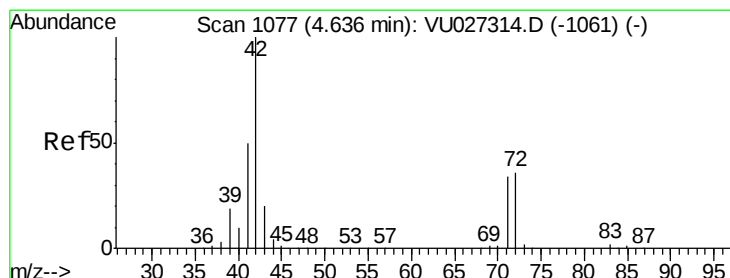
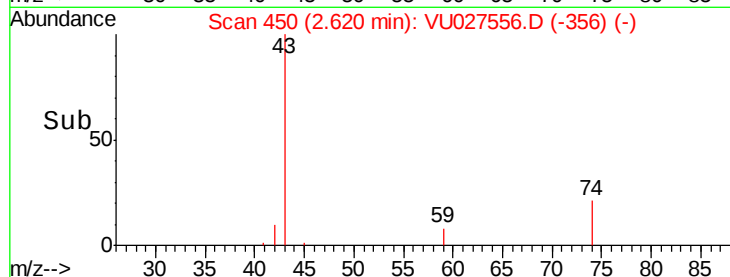
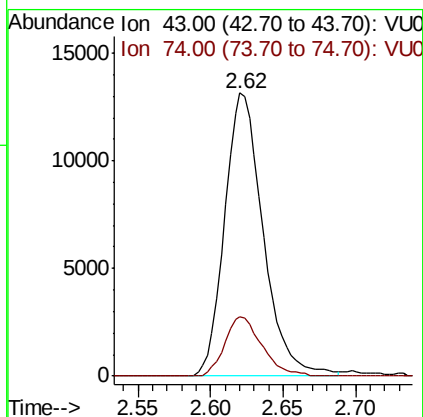
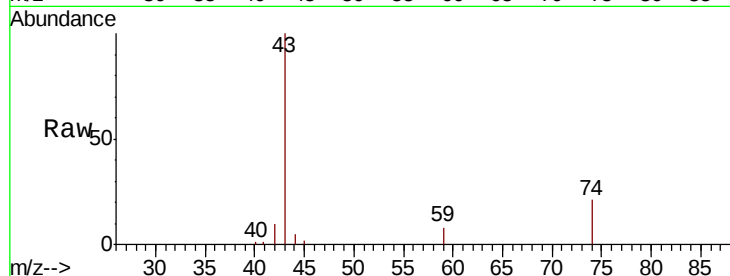




#18
Methyl Acetate
Concen: 8.598 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027556.D
Acq: 10 Oct 2018 08:36

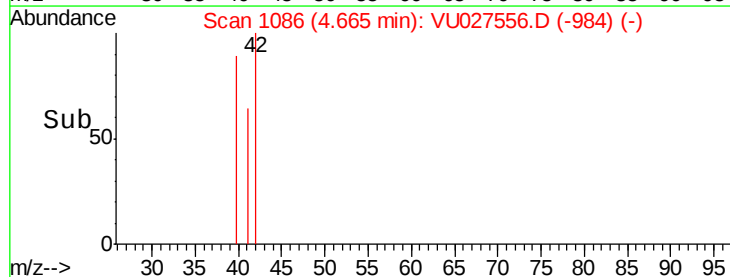
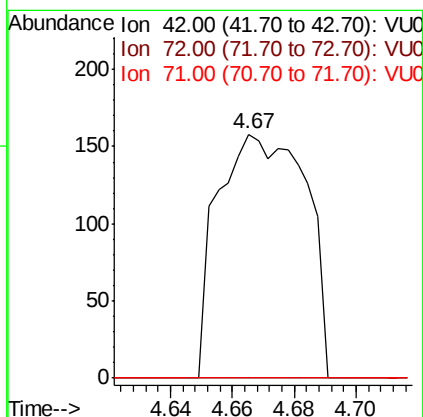
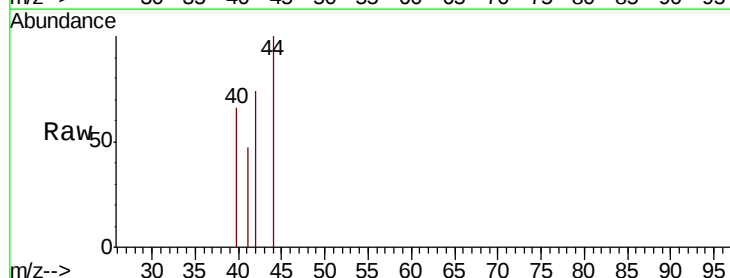
Instrument :
MSVOA_U
ClientSampleId :
VU1010WBL02

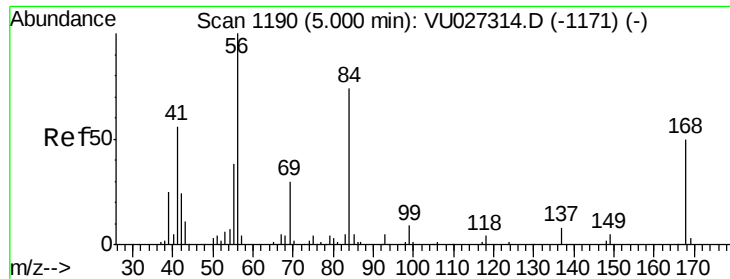
Tgt Ion: 43 Resp: 24205
Ion Ratio Lower Upper
43 100
74 20.1 16.5 24.7



#29
Tetrahydrofuran
Concen: 0.295 ug/l
RT: 4.67 min Scan# 1086
Delta R.T. 0.03 min
Lab File: VU027556.D
Acq: 10 Oct 2018 08:36

Tgt Ion: 42 Resp: 313
Ion Ratio Lower Upper
42 100
72 0.0 30.1 45.1#
71 0.0 27.7 41.5#

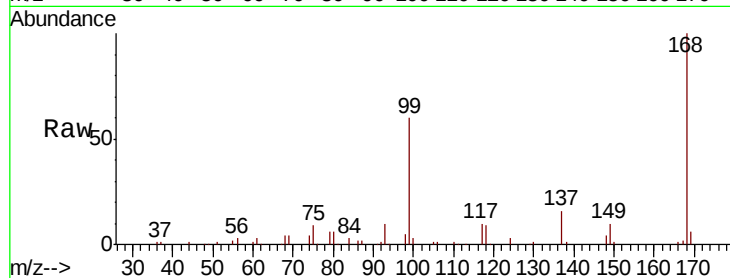




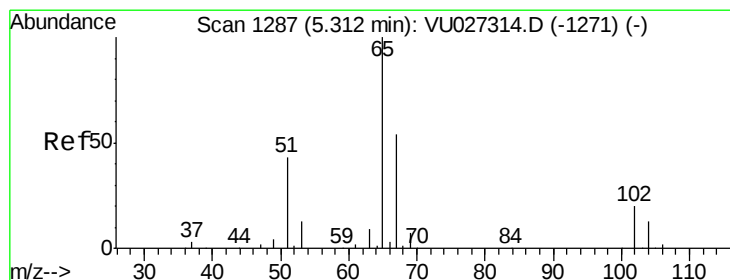
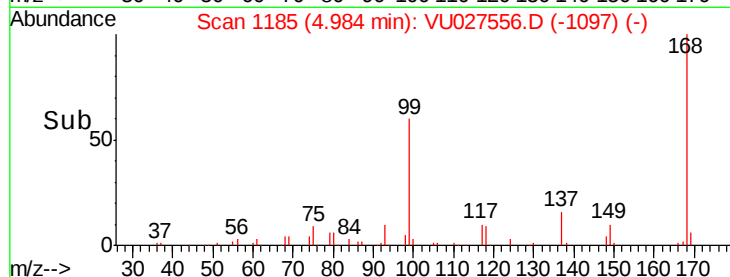
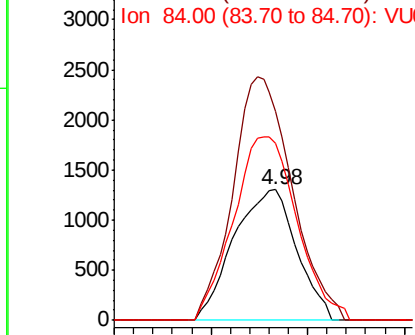
#31
Cyclohexane
Concen: 0.642 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027556.D
Acq: 10 Oct 2018 08:36

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBL02

Tgt Ion: 56 Resp: 2939
Ion Ratio Lower Upper
56 100
69 159.9 24.1 36.1#
84 136.0 59.1 88.7#

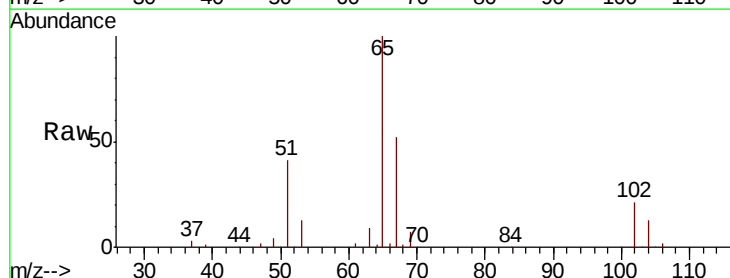


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

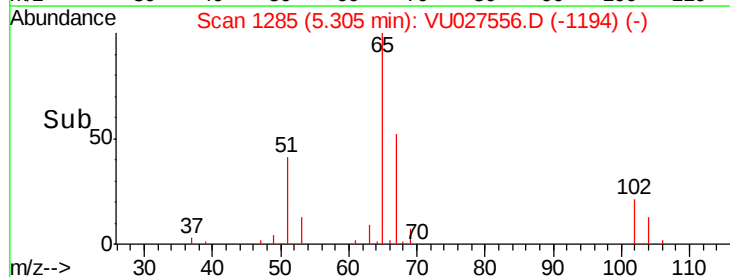
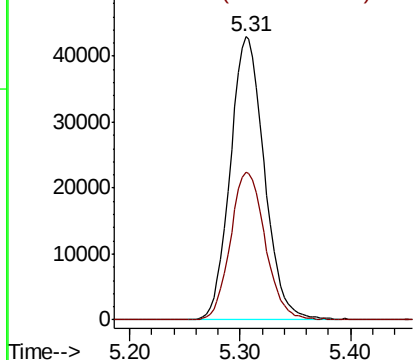


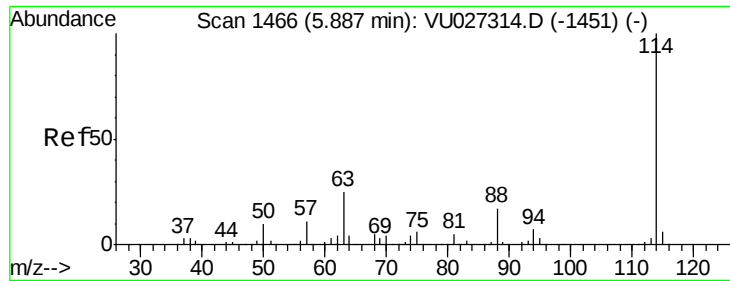
#33
1,2-Dichloroethane-d4
Concen: 44.075 ug/l
RT: 5.31 min Scan# 1285
Delta R.T. -0.01 min
Lab File: VU027556.D
Acq: 10 Oct 2018 08:36

Tgt Ion: 65 Resp: 92066
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

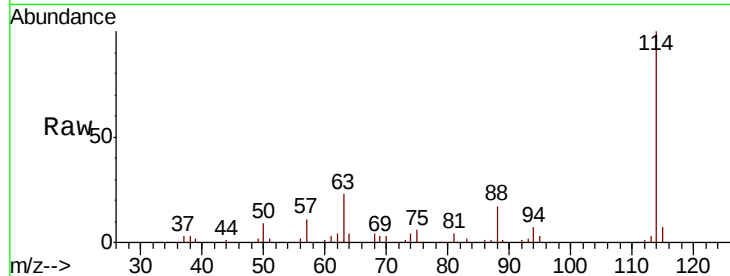




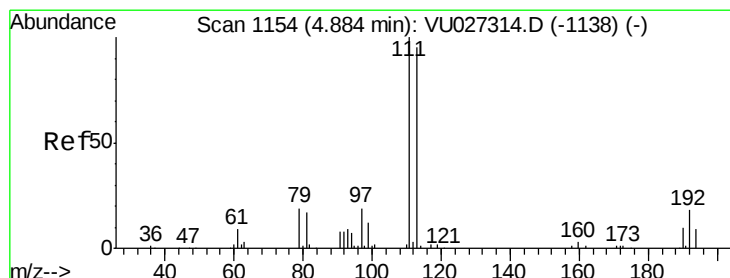
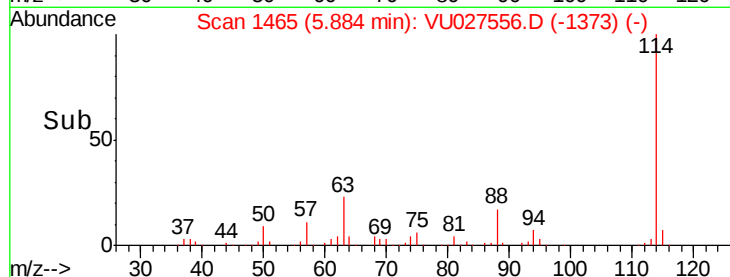
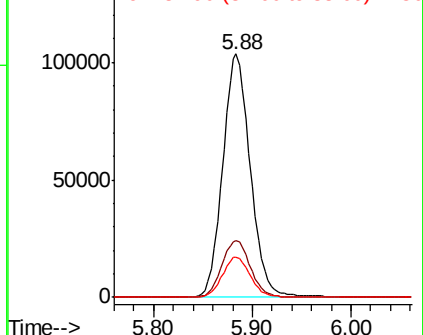
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU027556.D
 Acq: 10 Oct 2018 08:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBL02

Tgt Ion:114 Resp: 202952
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 50.2
 88 16.7 0.0 33.8

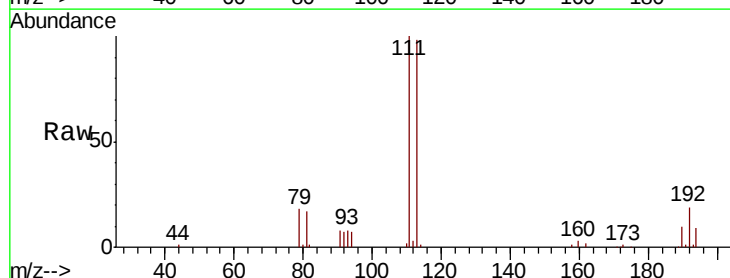


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

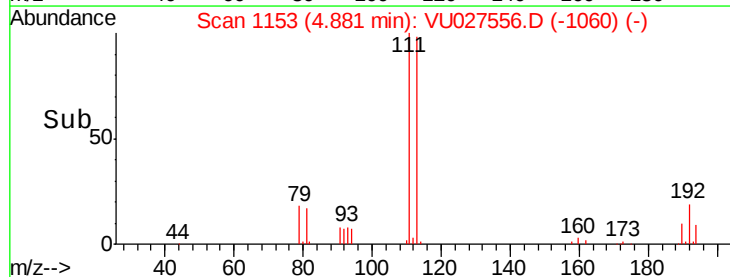
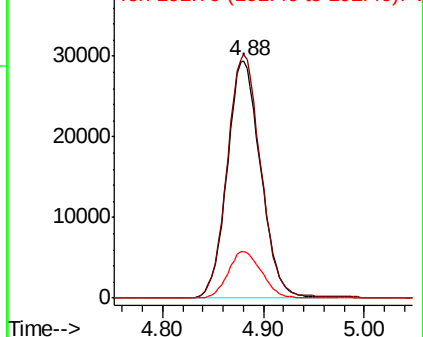


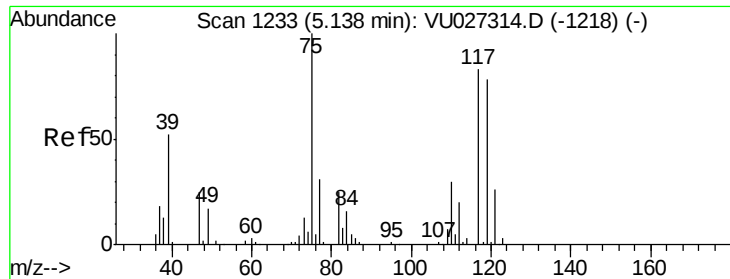
#35
 Dibromofluoromethane
 Concen: 48.918 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU027556.D
 Acq: 10 Oct 2018 08:36

Tgt Ion:113 Resp: 68040
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.1 124.7
 192 19.6 15.4 23.0



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

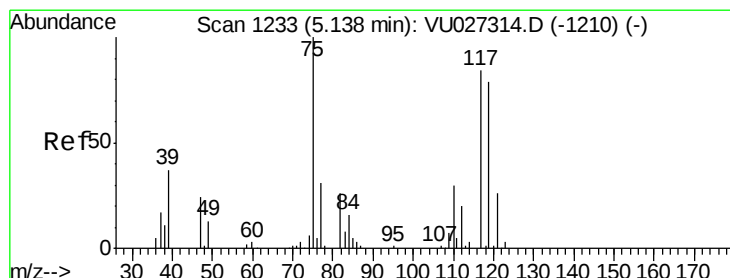
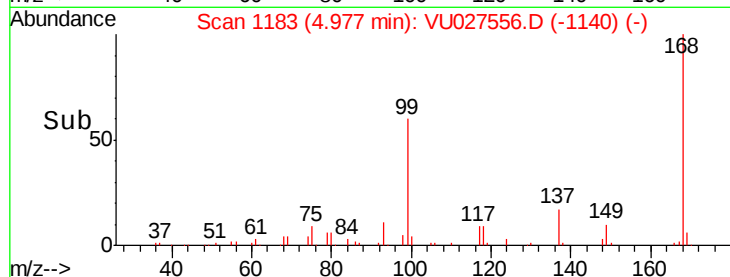
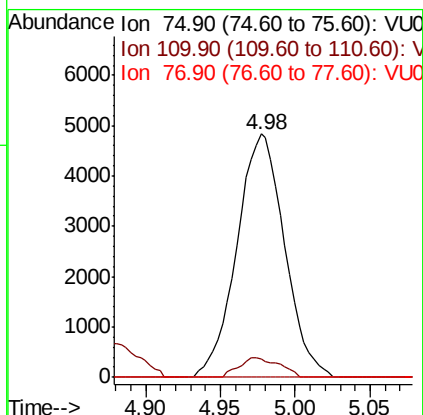
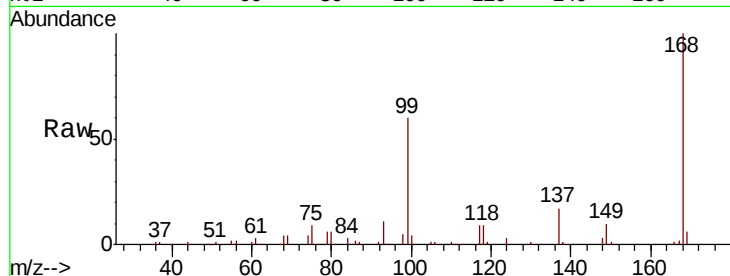




#36
 1,1-Dichloropropene
 Concen: 4.866 ug/l
 RT: 4.98 min Scan# 1183
 Delta R.T. -0.16 min
 Lab File: VU027556.D
 Acq: 10 Oct 2018 08:36

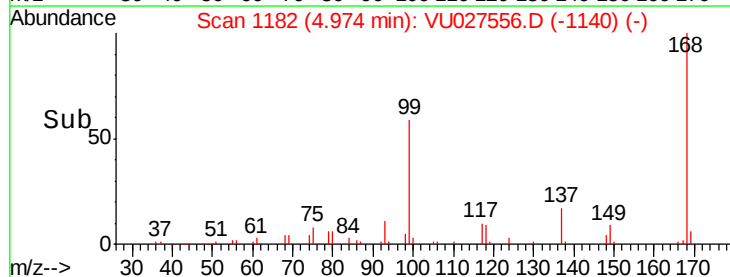
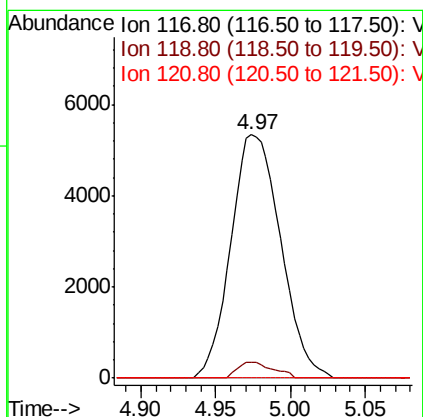
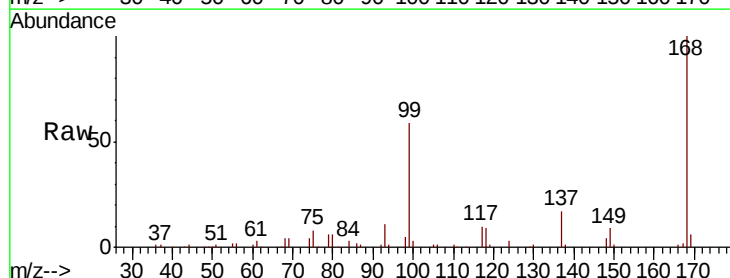
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBL02

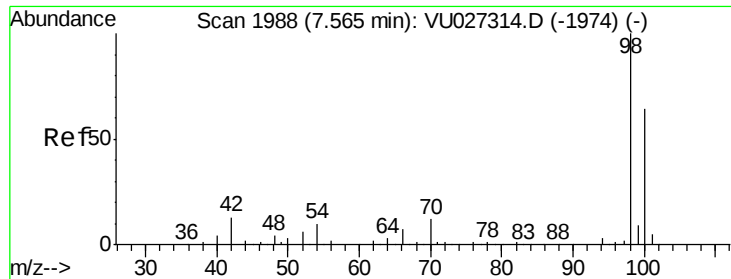
Tgt Ion: 75 Resp: 10722
 Ion Ratio Lower Upper
 75 100
 110 6.9 15.5 46.5#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.218 ug/l
 RT: 4.97 min Scan# 1182
 Delta R.T. -0.16 min
 Lab File: VU027556.D
 Acq: 10 Oct 2018 08:36

Tgt Ion: 117 Resp: 12377
 Ion Ratio Lower Upper
 117 100
 119 6.6 74.5 111.7#
 121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 48.462 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU027556.D

Acq: 10 Oct 2018 08:36

Instrument :

MSVOA_U

ClientSampleId :

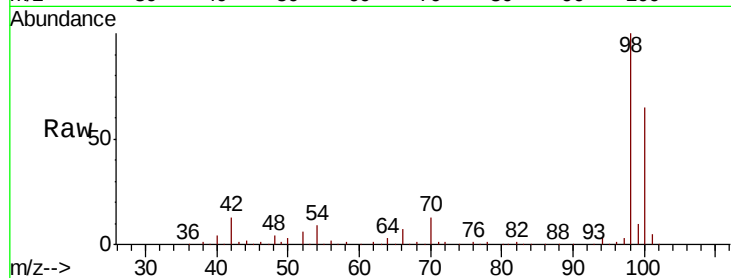
VU1010WBL02

Tgt Ion: 98 Resp: 252278

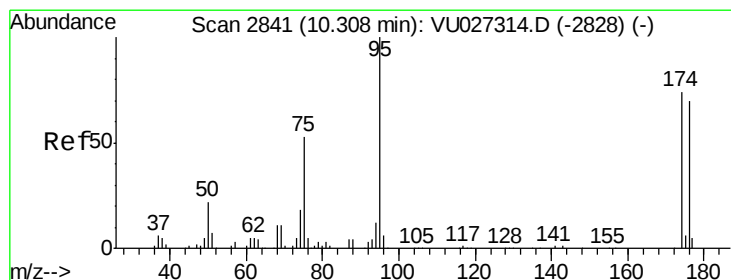
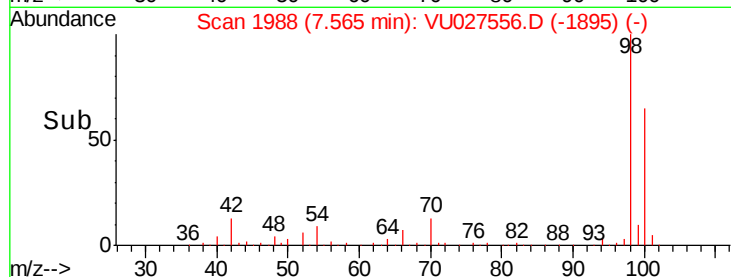
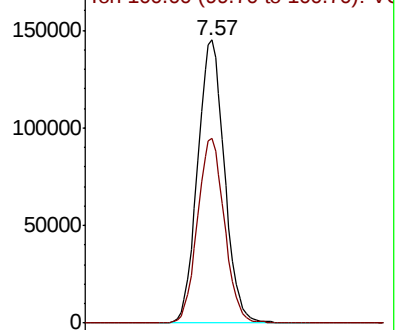
Ion Ratio Lower Upper

98 100

100 65.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU027314.D (-1974) (-)



#62

4-Bromofluorobenzene

Concen: 45.139 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU027556.D

Acq: 10 Oct 2018 08:36

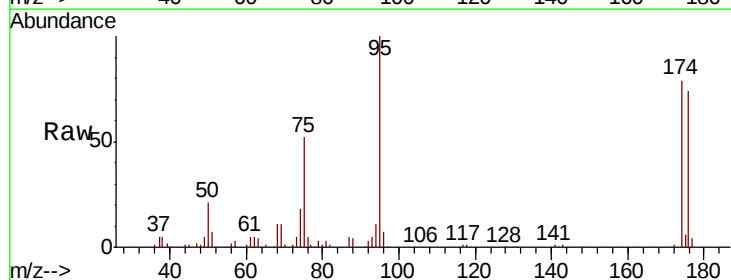
Tgt Ion: 95 Resp: 87328

Ion Ratio Lower Upper

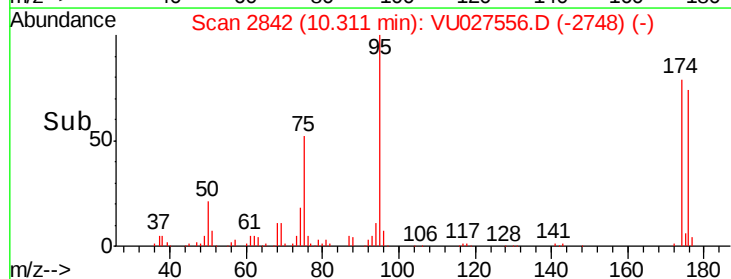
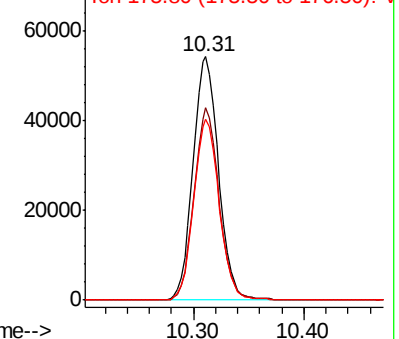
95 100

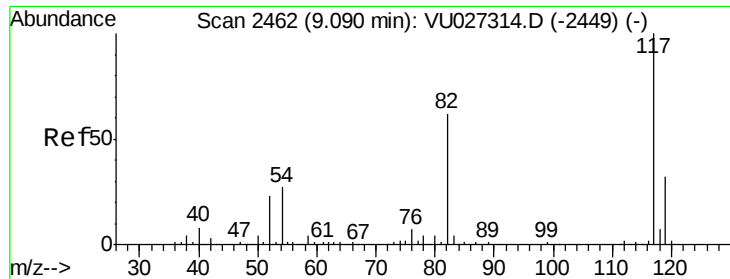
174 77.2 0.0 147.8

176 74.0 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU027314.D (-2828) (-)

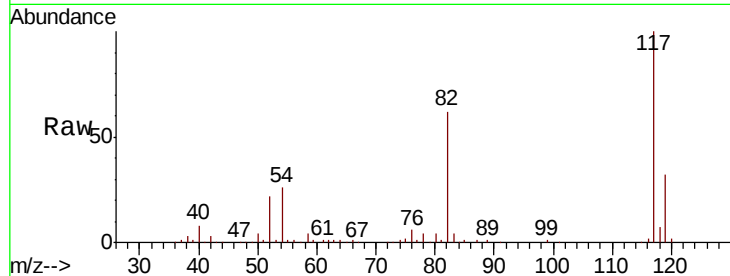




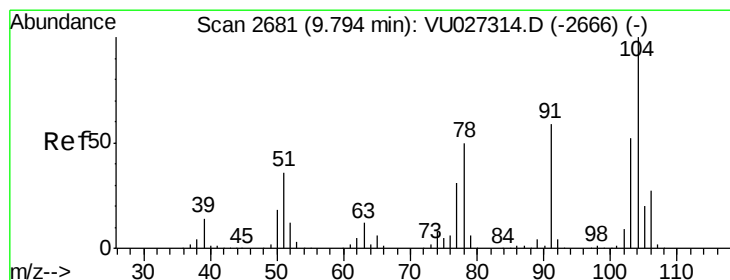
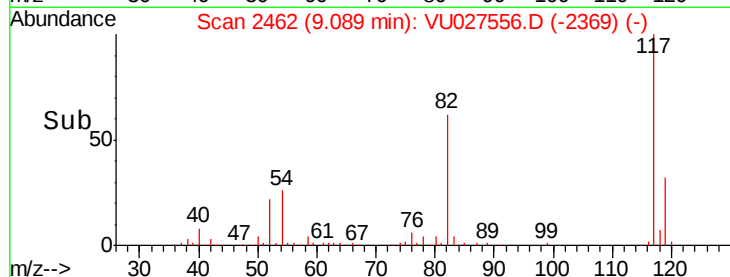
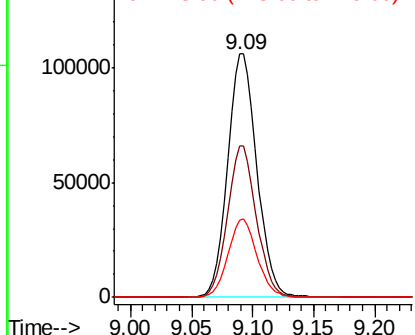
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027556.D
Acq: 10 Oct 2018 08:36

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBL02

Tgt Ion:117 Resp: 178454
Ion Ratio Lower Upper
117 100
82 62.1 49.2 73.8
119 31.9 25.7 38.5

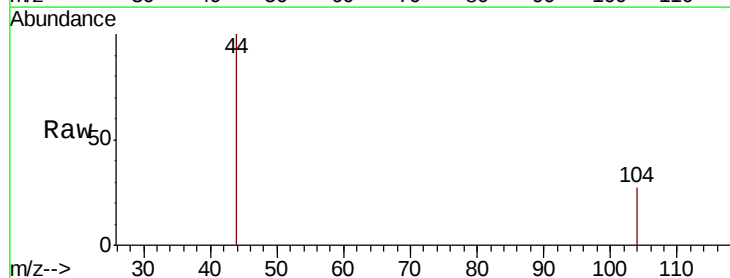


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

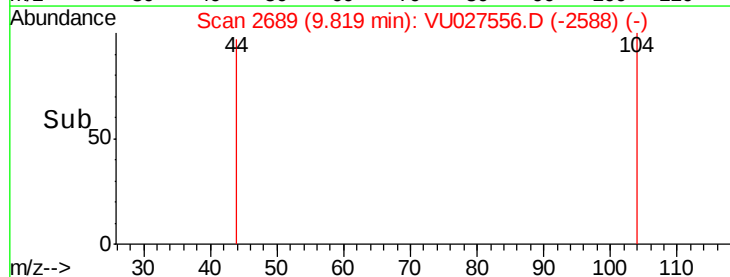
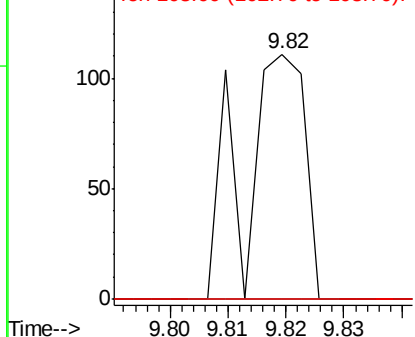


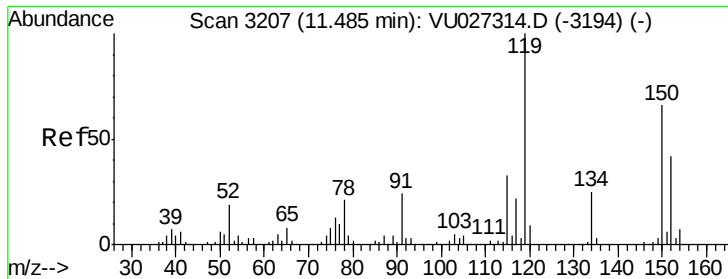
#70
Styrene
Concen: 2.317 ug/l
RT: 9.82 min Scan# 2689
Delta R.T. 0.03 min
Lab File: VU027556.D
Acq: 10 Oct 2018 08:36

Tgt Ion:104 Resp: 81
Ion Ratio Lower Upper
104 100
78 0.0 42.9 64.3#
103 0.0 43.9 65.9#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3208

Delta R.T. 0.00 min

Lab File: VU027556.D

Acq: 10 Oct 2018 08:36

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBL02

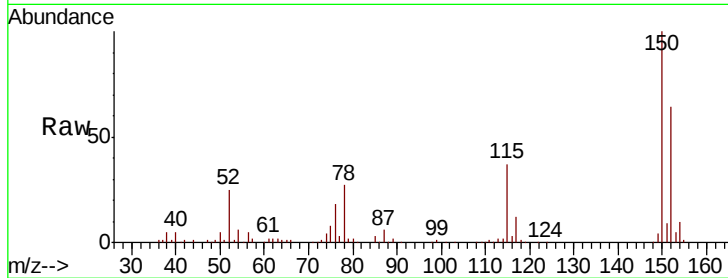
Tgt Ion: 152 Resp: 77482

Ion Ratio Lower Upper

152 100

115 59.5 43.4 130.2

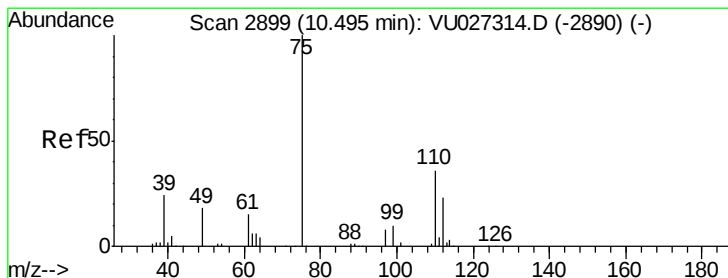
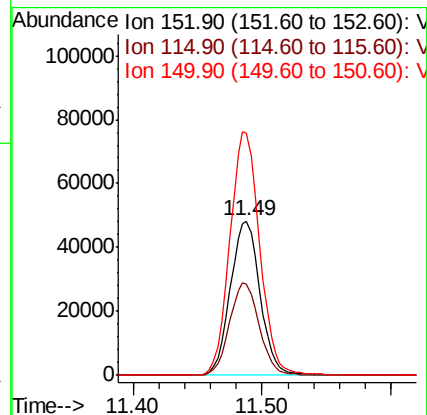
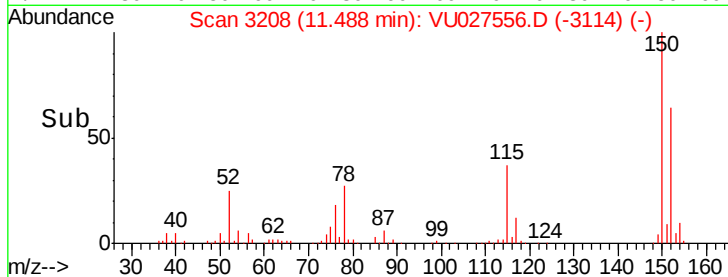
150 157.5 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.464 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.18 min

Lab File: VU027556.D

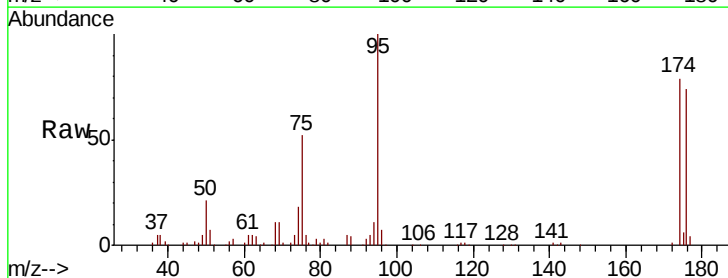
Acq: 10 Oct 2018 08:36

Tgt Ion: 75 Resp: 45120

Ion Ratio Lower Upper

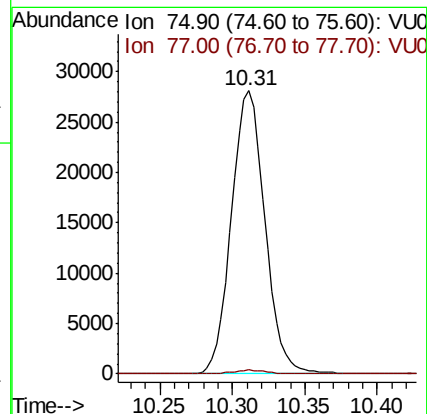
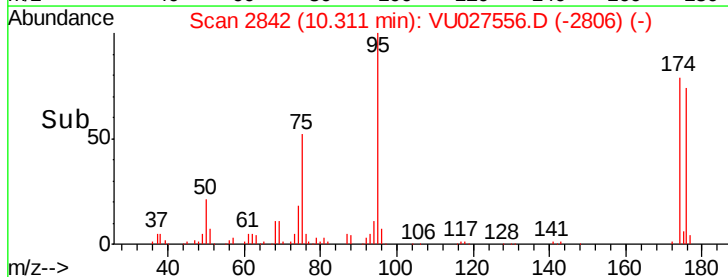
75 100

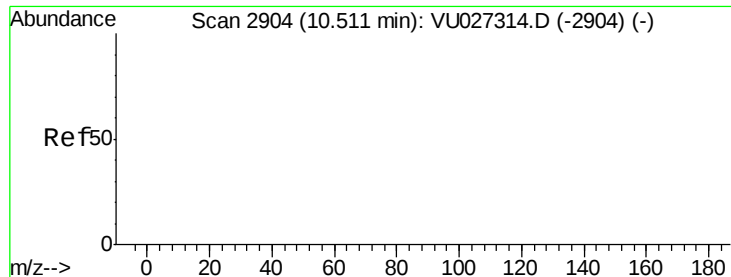
77 1.2 20.3 60.9#



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: 58.792 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.20 min

Lab File: VU027556.D

Acq: 10 Oct 2018 08:36

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBL02

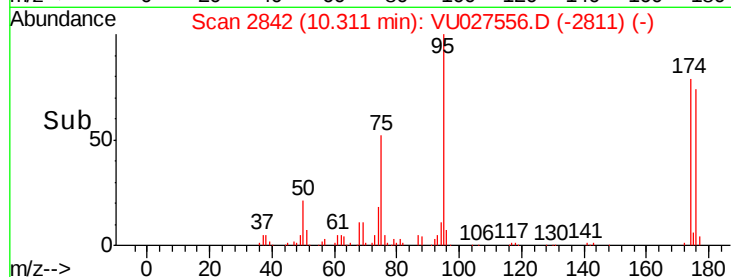
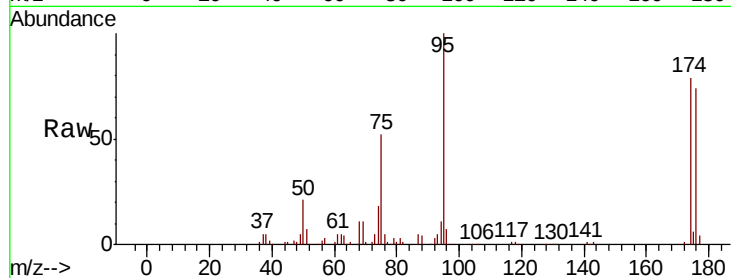
Tgt Ion: 75 Resp: 45120

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

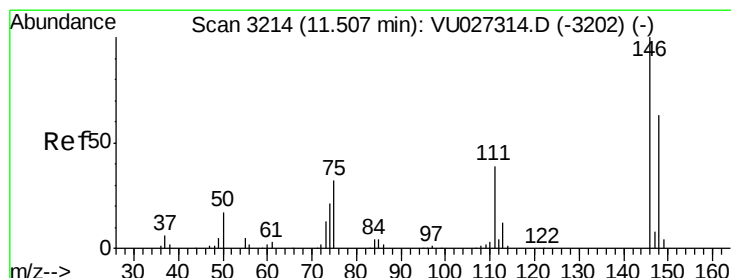
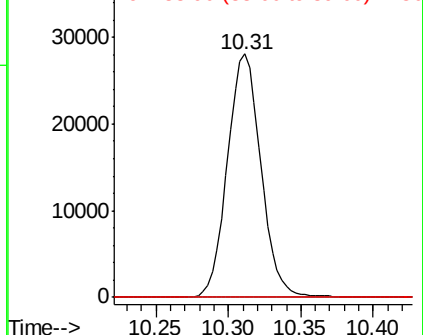
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#88

1,4-Dichlorobenzene

Concen: 0.227 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027556.D

Acq: 10 Oct 2018 08:36

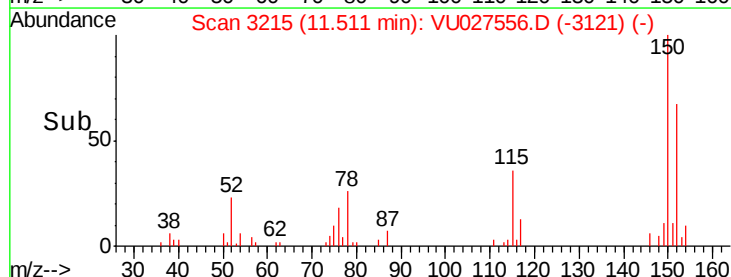
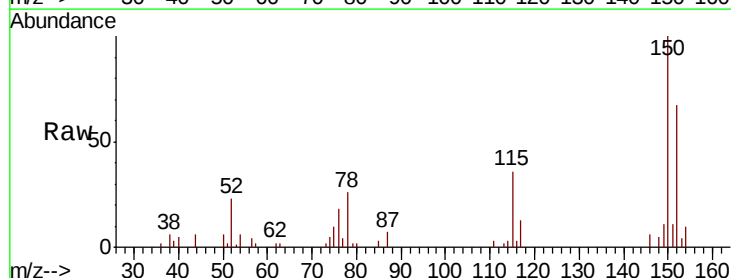
Tgt Ion: 146 Resp: 575

Ion Ratio Lower Upper

146 100

111 0.0 20.4 61.2#

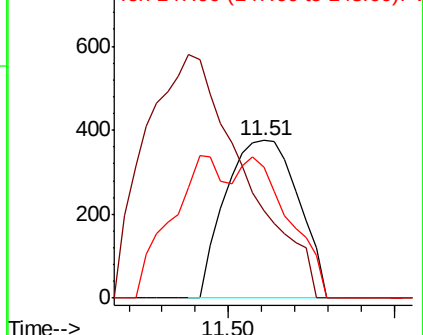
148 0.0 31.9 95.5#

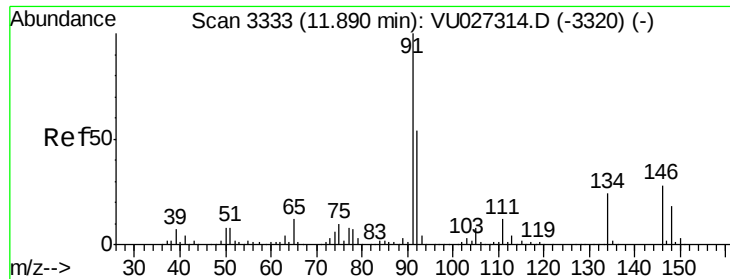


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

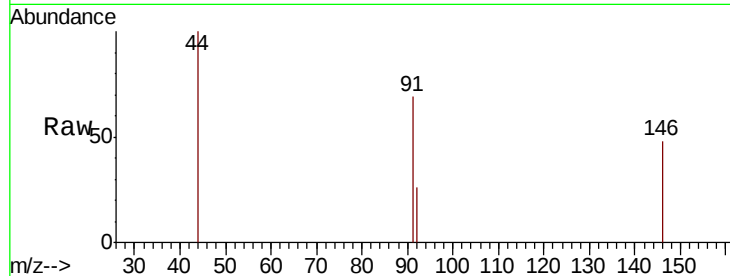




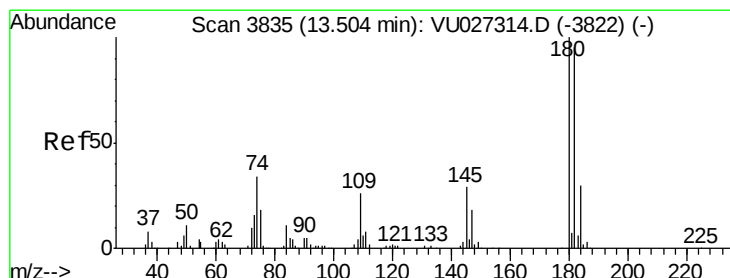
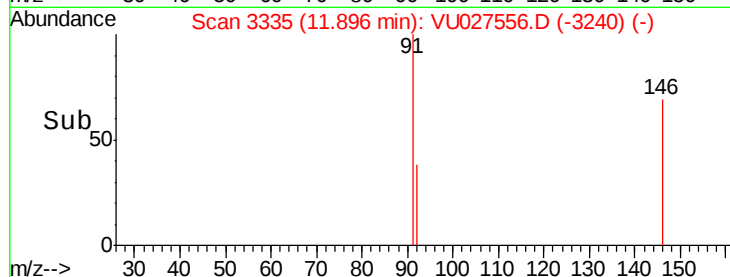
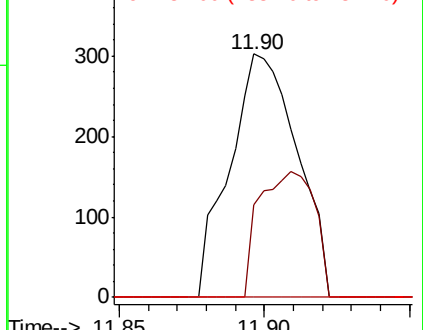
#89
n-Butylbenzene
Concen: 2.042 ug/l
RT: 11.90 min Scan# 3335
Delta R.T. 0.01 min
Lab File: VU027556.D
Acq: 10 Oct 2018 08:36

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBL02

Tgt Ion: 91 Resp: 490
Ion Ratio Lower Upper
91 100
92 42.0 27.0 81.0
134 0.0 11.7 35.1#

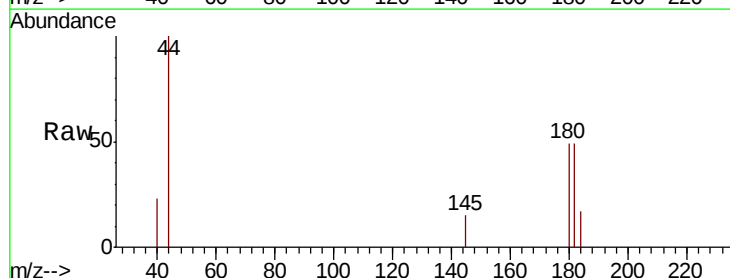


Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

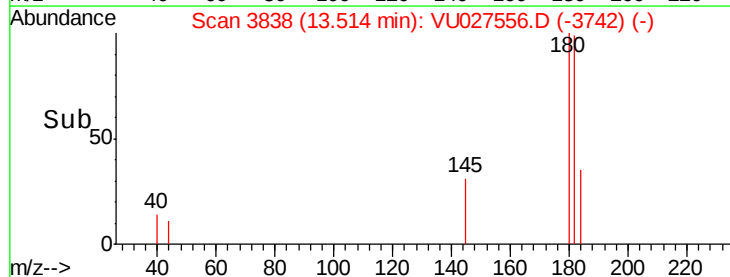
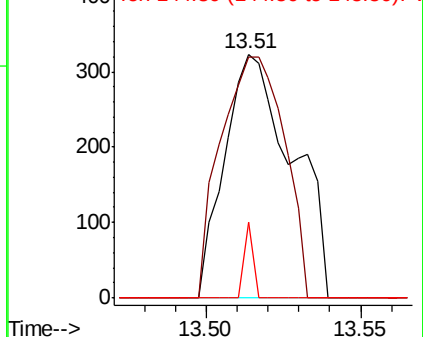


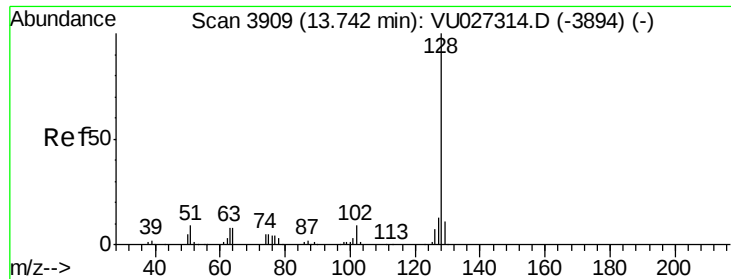
#93
1,2,4-Trichlorobenzene
Concen: 0.315 ug/l
RT: 13.51 min Scan# 3838
Delta R.T. 0.01 min
Lab File: VU027556.D
Acq: 10 Oct 2018 08:36

Tgt Ion: 180 Resp: 492
Ion Ratio Lower Upper
180 100
182 93.1 47.4 142.3
145 3.9 14.6 44.0#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

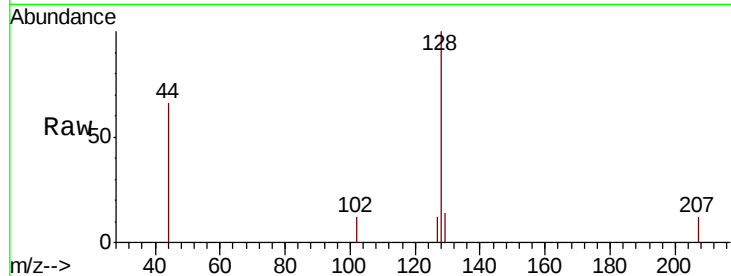




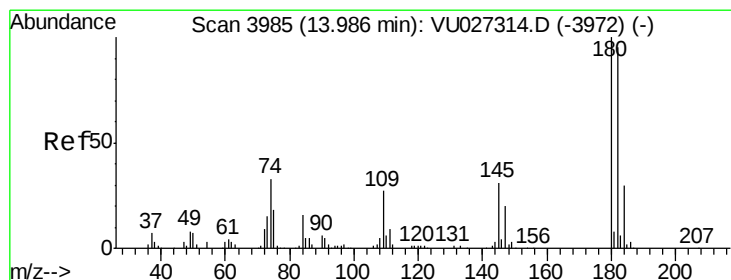
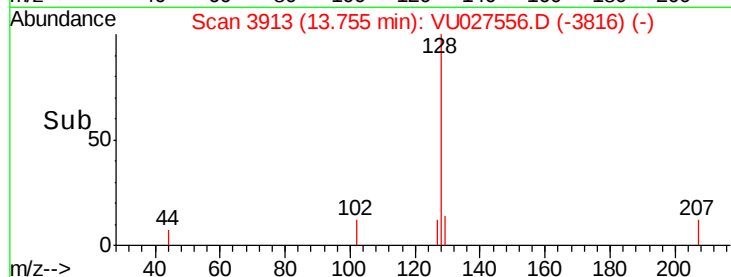
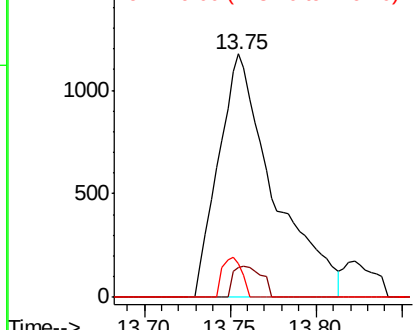
#95
Naphthalene
Concen: 2.093 ug/l
RT: 13.75 min Scan# 3913
Delta R.T. 0.01 min
Lab File: VU027556.D
Acq: 10 Oct 2018 08:36

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBL02

Tgt Ion:128 Resp: 2626
Ion Ratio Lower Upper
128 100
127 6.7 10.5 15.7#
129 5.8 8.6 12.8#

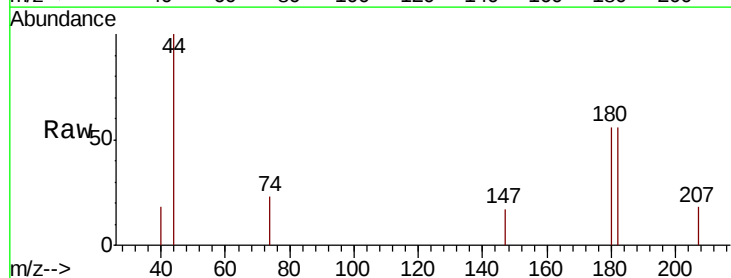


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.406 ug/l
RT: 14.00 min Scan# 3989
Delta R.T. 0.01 min
Lab File: VU027556.D
Acq: 10 Oct 2018 08:36

Tgt Ion:180 Resp: 659
Ion Ratio Lower Upper
180 100
182 99.5 47.4 142.2
145 9.3 15.9 47.7#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

