

Data File : VU027527.D
Acq On : 09 Oct 2018 17:33
Operator : MD/SY
Sample : VU1010WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBL01

Quant Time: Oct 10 05:56:56 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	4.97	168	125071	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.88	114	199686	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	184937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	74067	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	94250	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
35) Dibromofluoromethane	4.88	113	60346	44.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.20%	
50) Toluene-d8	7.56	98	265231	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	10.32	95	85001	44.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.32%	

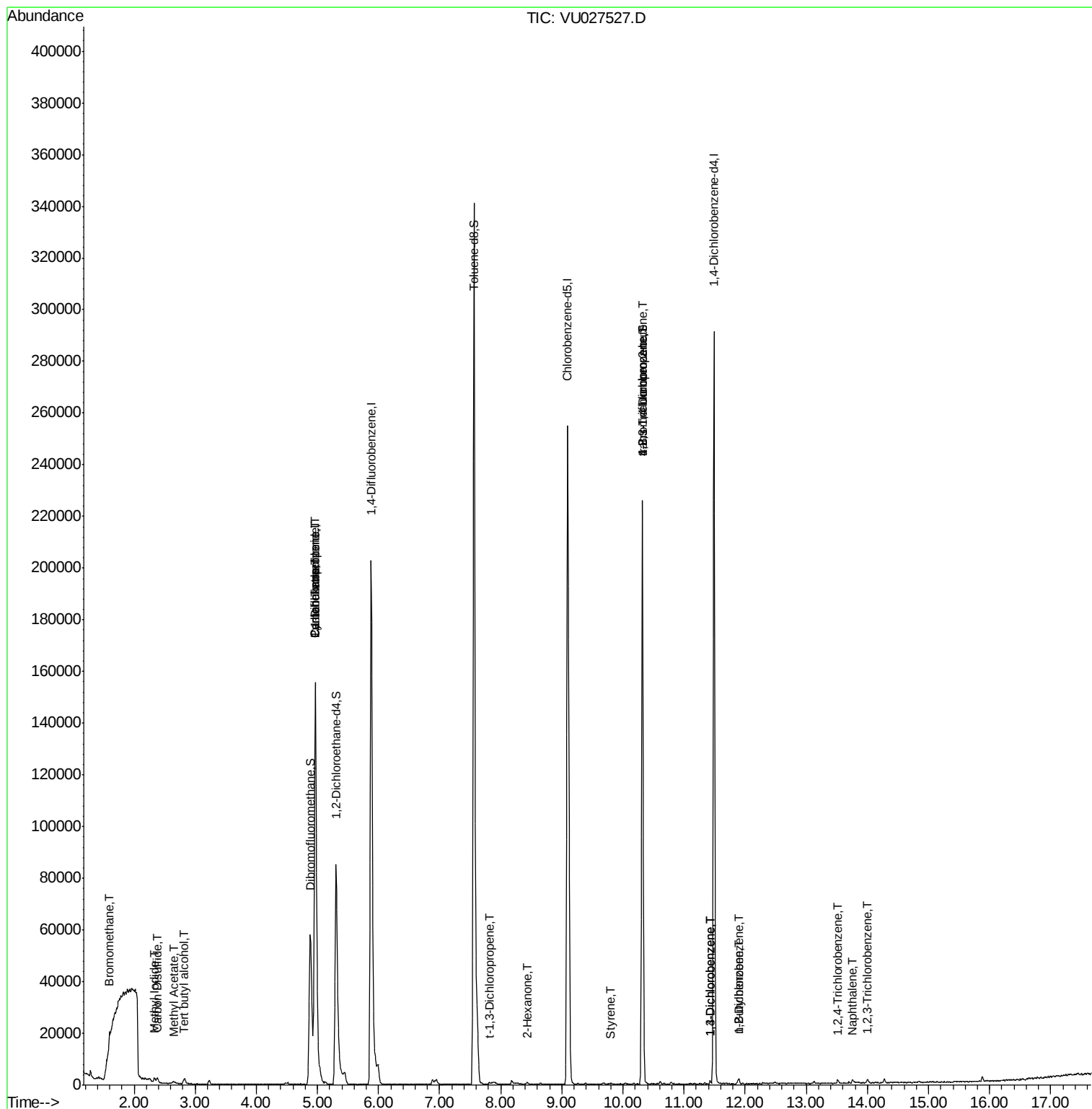
Target Compounds						Qvalue
5) Bromomethane	1.59	94	1717	1.729	ug/l	97
10) Methyl Iodide	2.33	142	899	8.962	ug/l #	82
11) Tert butyl alcohol	2.82	59	1527	3.472	ug/l #	72
17) Carbon Disulfide	2.38	76	1099	0.231	ug/l #	80
18) Methyl Acetate	2.64	43	2065	0.734	ug/l #	62
31) Cyclohexane	4.96	56	3092	0.689	ug/l #	1
36) 1,1-Dichloropropene	4.97	75	12324	5.684	ug/l #	50
38) Carbon Tetrachloride	4.96	117	12593	6.430	ug/l #	19
53) t-1,3-Dichloropropene	7.81	75	658	0.263	ug/l #	43
59) 2-Hexanone	8.43	43	1152	0.525	ug/l	69
70) Styrene	9.80	104	39	2.307	ug/l #	24
76) 1,2,3-Trichloropropane	10.32	75	44983	23.429	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.32	75	44983	61.316	ug/l #	100
87) 1,3-Dichlorobenzene	11.43	146	682	0.288	ug/l	88
88) 1,4-Dichlorobenzene	11.43	146	682	0.282	ug/l	88
89) n-Butylbenzene	11.89	91	937	2.135	ug/l #	84
91) 1,2-Dichlorobenzene	11.89	146	620	0.269	ug/l	96
93) 1,2,4-Trichlorobenzene	13.52	180	854	0.573	ug/l	83
95) Naphthalene	13.76	128	2770	2.138	ug/l #	77
96) 1,2,3-Trichlorobenzene	14.00	180	866	0.557	ug/l #	85

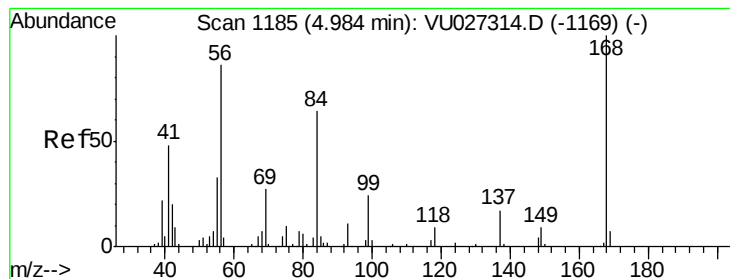
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.97 min Scan# 1180

Delta R.T. -0.02 min

Lab File: VU027527.D

Acq: 09 Oct 2018 17:33

Instrument :

MSVOA_U

ClientSampleId :

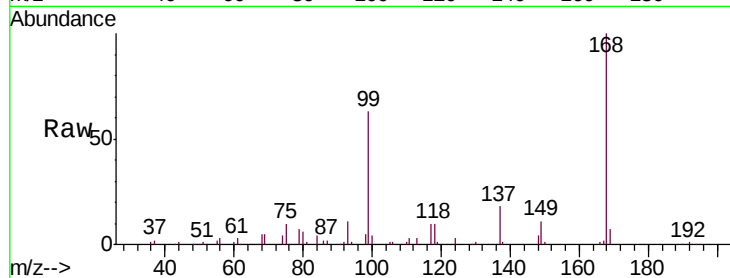
VU1010WBL01

Tgt Ion:168 Resp: 125071

Ion Ratio Lower Upper

168 100

99 62.9 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) (-)

4.97

50000

40000

30000

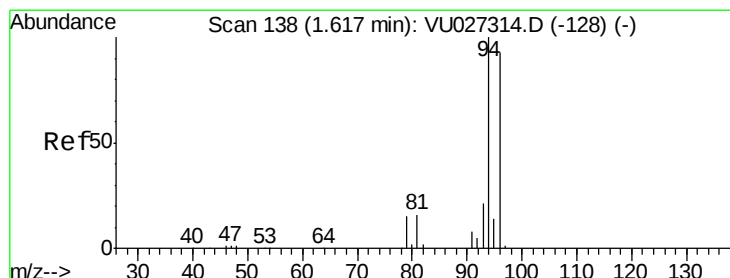
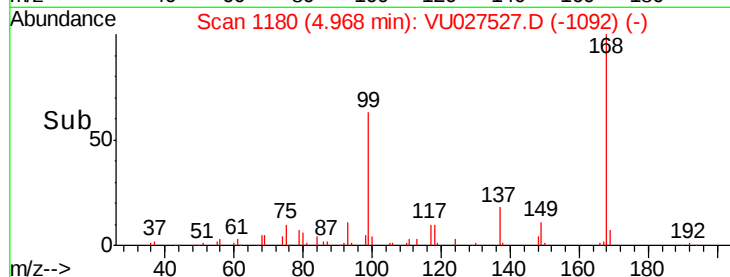
20000

10000

0

Time-->

4.90 5.00 5.10



#5

Bromomethane

Concen: 1.729 ug/l

RT: 1.59 min Scan# 131

Delta R.T. -0.02 min

Lab File: VU027527.D

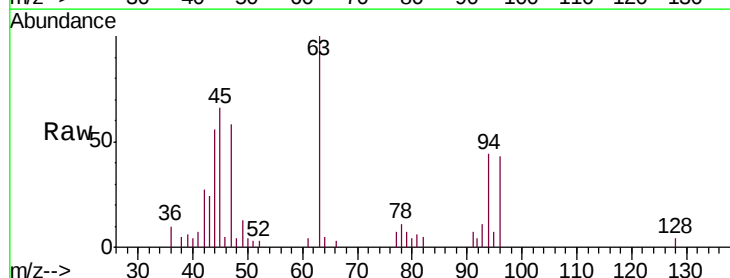
Acq: 09 Oct 2018 17:33

Tgt Ion: 94 Resp: 1717

Ion Ratio Lower Upper

94 100

96 96.2 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) (-)

1.59

1500

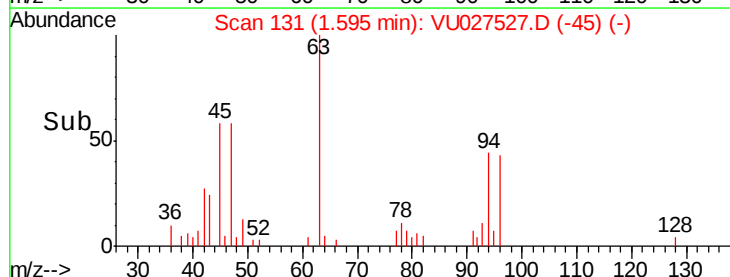
1000

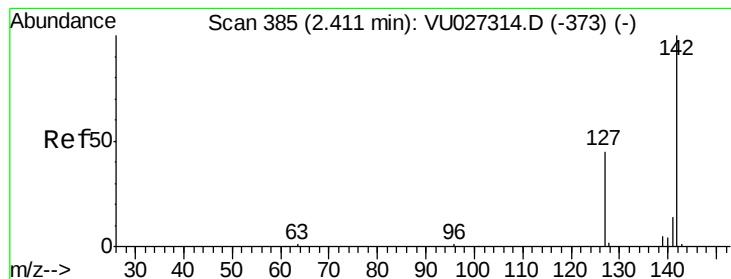
500

0

Time-->

1.55 1.60 1.65





#10

Methyl Iodide

Concen: 8.962 ug/l

RT: 2.33 min Scan# 361

Delta R.T. -0.08 min

Lab File: VU027527.D

Acq: 09 Oct 2018 17:33

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBL01

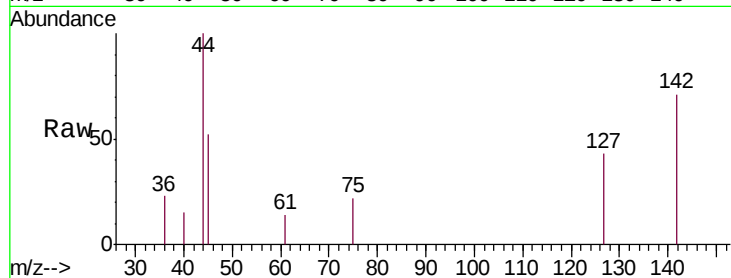
Tgt Ion: 142 Resp: 899

Ion Ratio Lower Upper

142 100

127 53.3 36.3 54.5

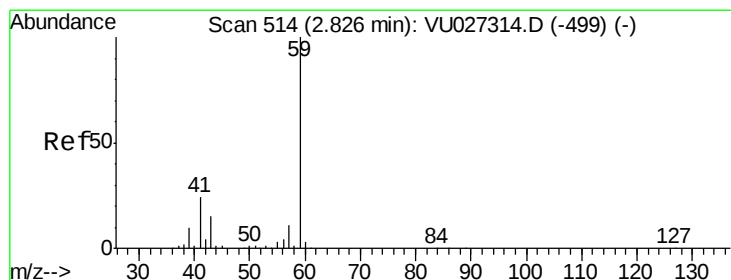
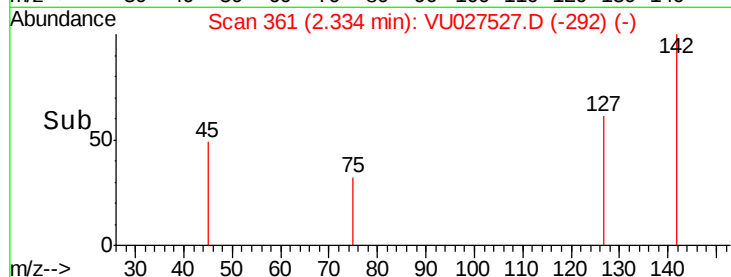
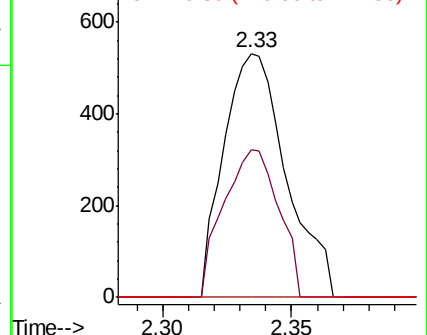
141 0.0 11.6 17.4#



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: 3.472 ug/l

RT: 2.82 min Scan# 512

Delta R.T. -0.01 min

Lab File: VU027527.D

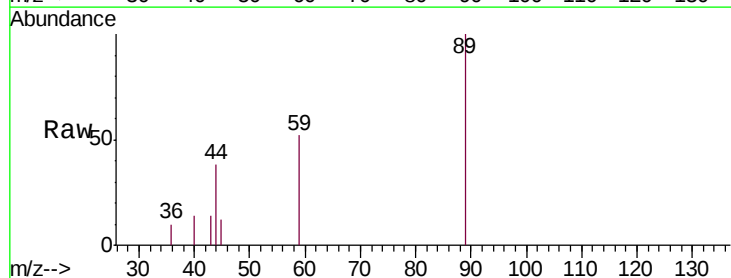
Acq: 09 Oct 2018 17:33

Tgt Ion: 59 Resp: 1527

Ion Ratio Lower Upper

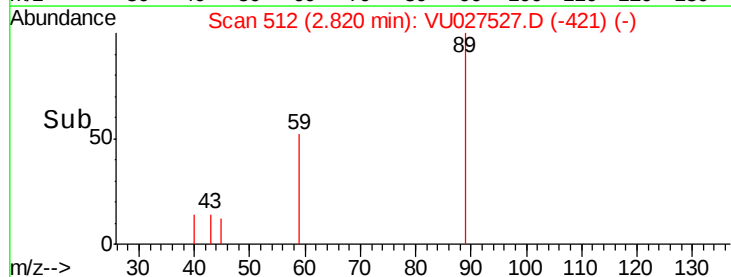
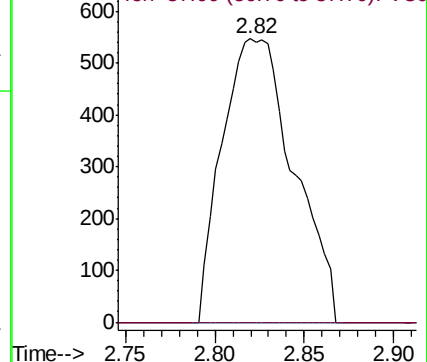
59 100

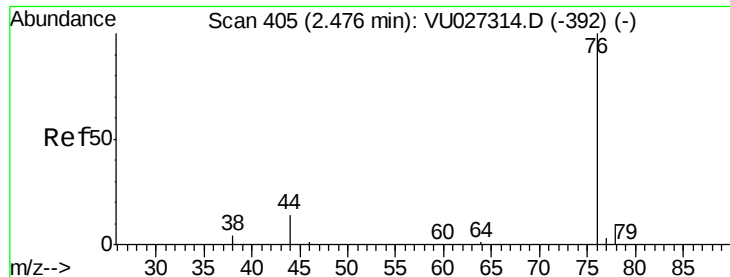
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#17

Carbon Disulfide

Concen: 0.231 ug/l

RT: 2.38 min Scan# 375

Delta R.T. -0.10 min

Lab File: VU027527.D

Acq: 09 Oct 2018 17:33

Instrument :

MSVOA_U

ClientSampleId :

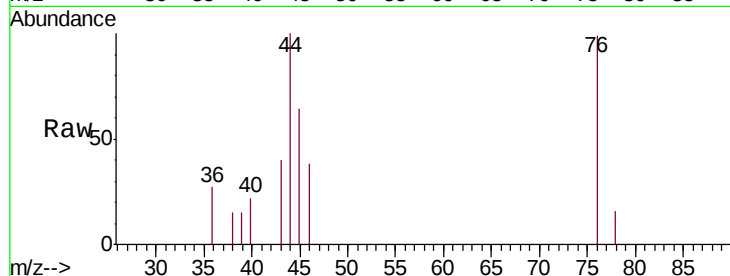
VU1010WBL01

Tgt Ion: 76 Resp: 1099

Ion Ratio Lower Upper

76 100

78 16.2 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.38

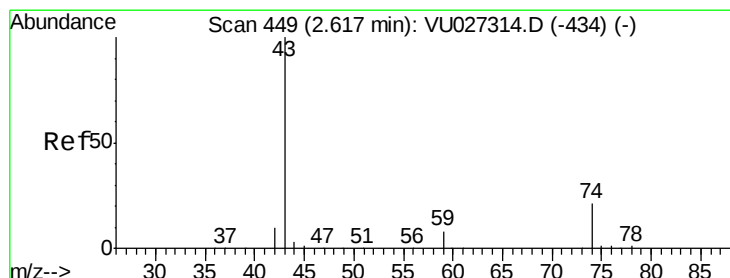
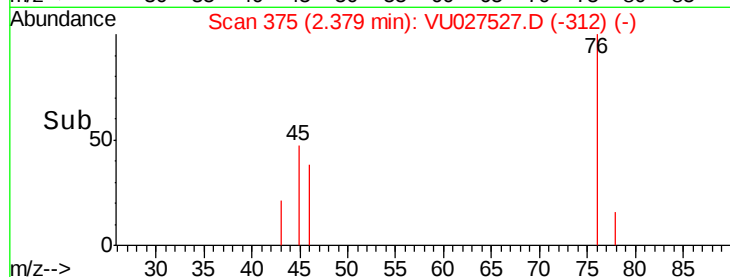
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.734 ug/l

RT: 2.64 min Scan# 455

Delta R.T. 0.02 min

Lab File: VU027527.D

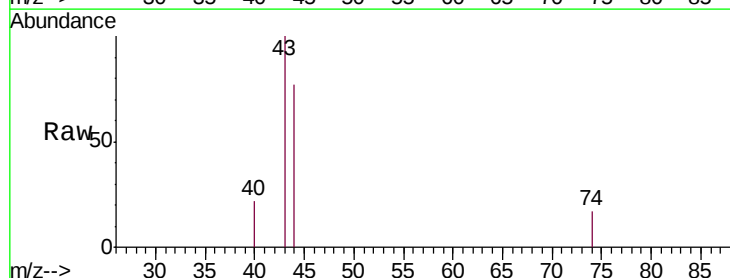
Acq: 09 Oct 2018 17:33

Tgt Ion: 43 Resp: 2065

Ion Ratio Lower Upper

43 100

74 3.1 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.64

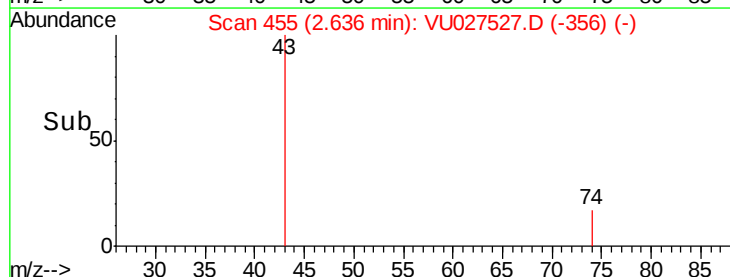
600

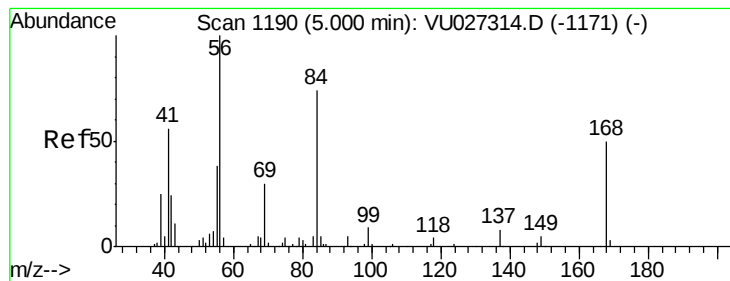
400

200

0

Time-->





#31

Cyclohexane

Concen: 0.689 ug/l

RT: 4.96 min Scan# 1179

Delta R.T. -0.03 min

Lab File: VU027527.D

Acq: 09 Oct 2018 17:33

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBL01

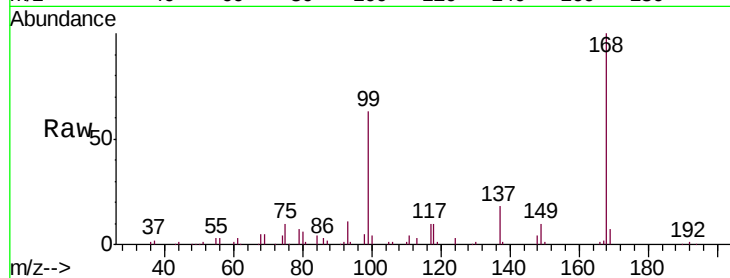
Tgt Ion: 56 Resp: 3092

Ion Ratio Lower Upper

56 100

69 168.9 24.1 36.1#

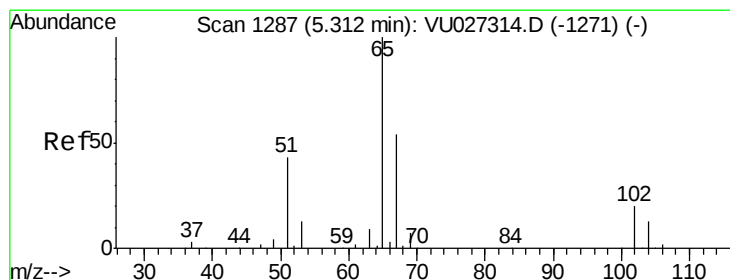
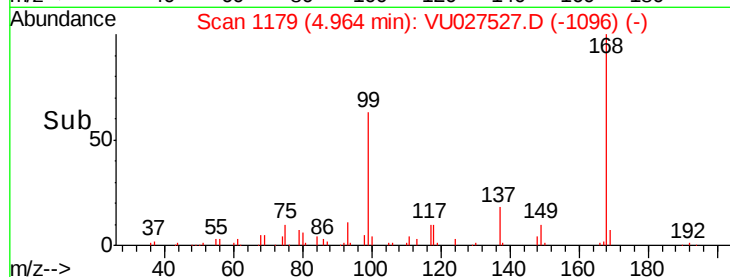
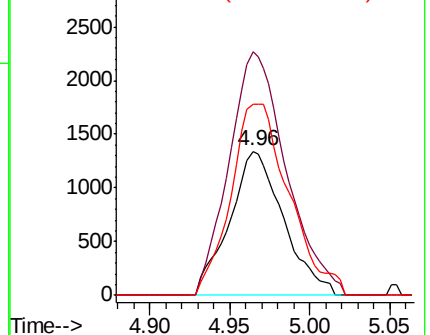
84 132.6 59.1 88.7#



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: 45.129 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. -0.01 min

Lab File: VU027527.D

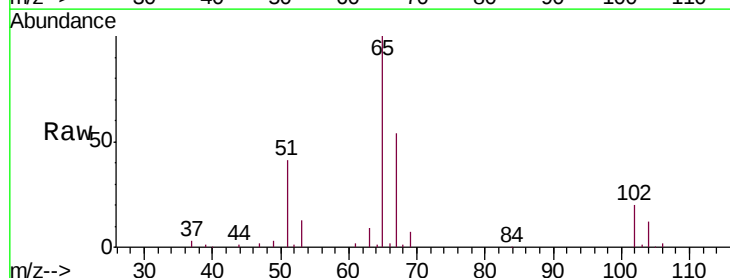
Acq: 09 Oct 2018 17:33

Tgt Ion: 65 Resp: 94250

Ion Ratio Lower Upper

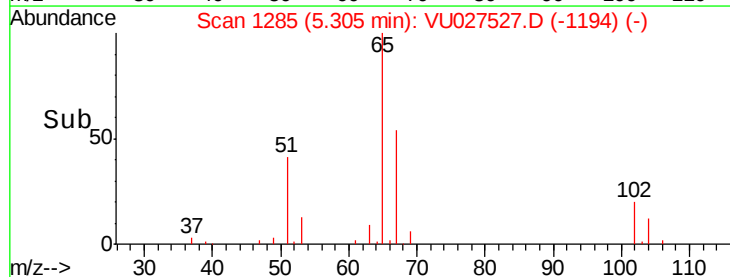
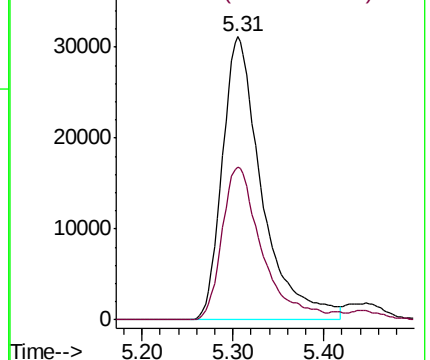
65 100

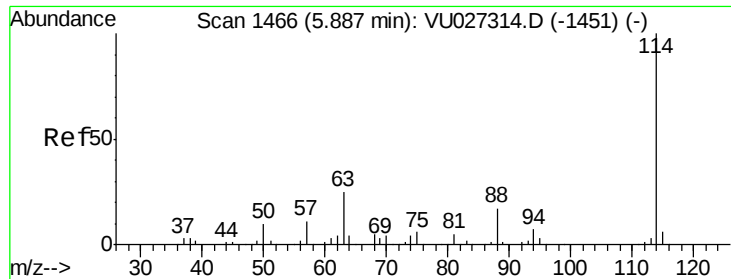
67 54.1 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

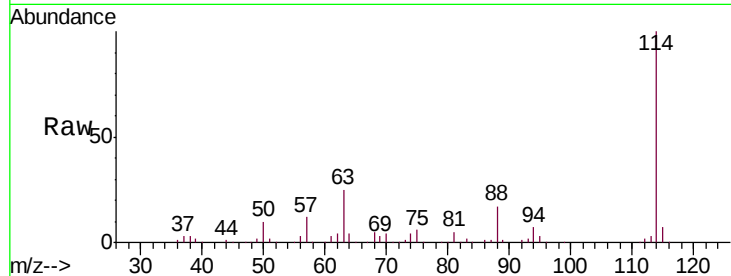




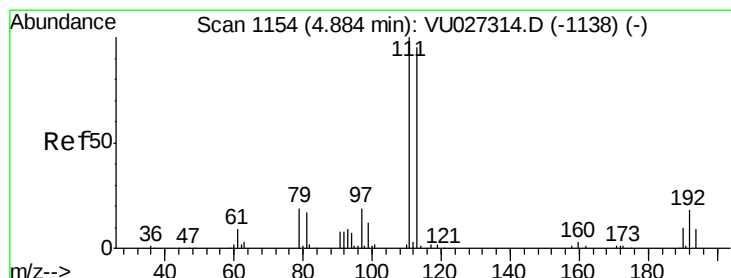
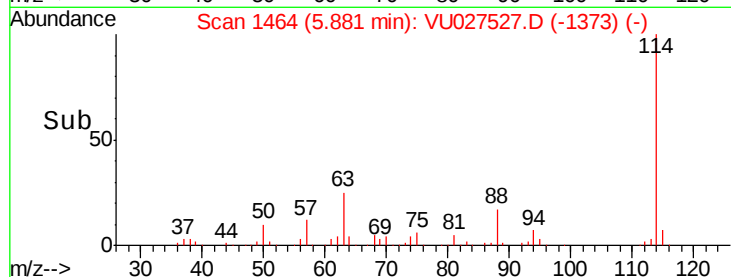
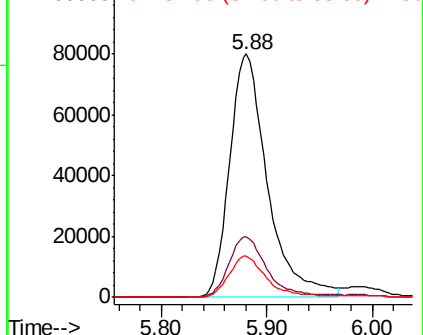
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: VU027527.D
 Acq: 09 Oct 2018 17:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBL01

Tgt Ion:114 Resp: 199686
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 50.2
 88 16.9 0.0 33.8

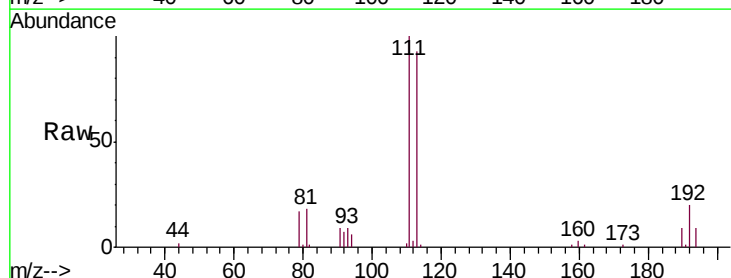


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

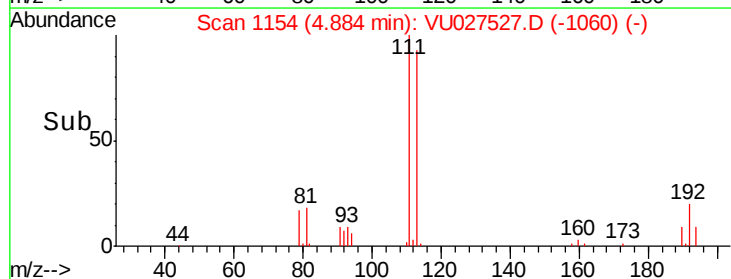
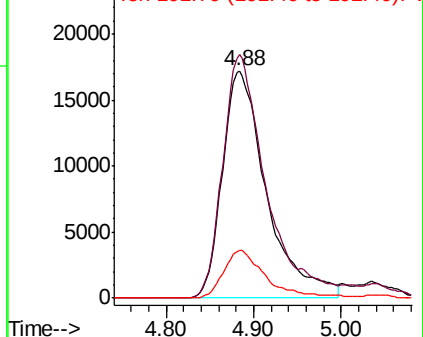


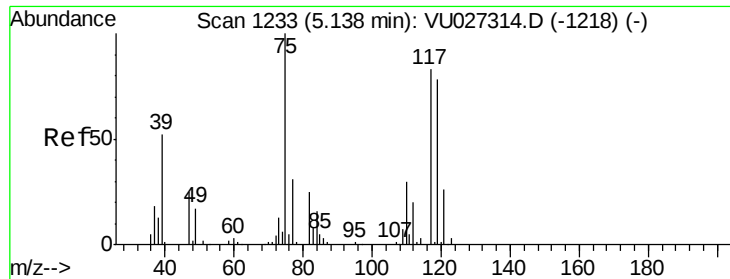
#35
 Dibromofluoromethane
 Concen: 44.096 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027527.D
 Acq: 09 Oct 2018 17:33

Tgt Ion:113 Resp: 60346
 Ion Ratio Lower Upper
 113 100
 111 105.0 83.1 124.7
 192 19.8 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

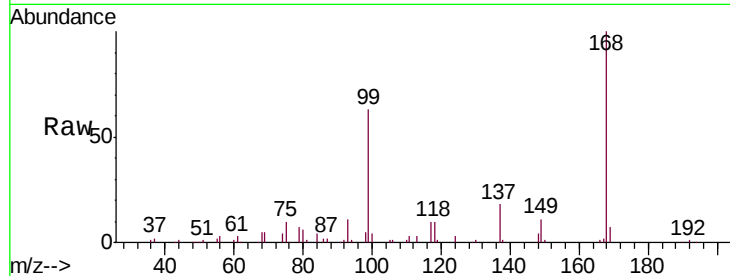




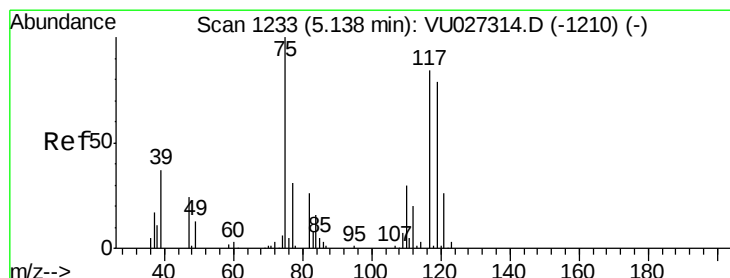
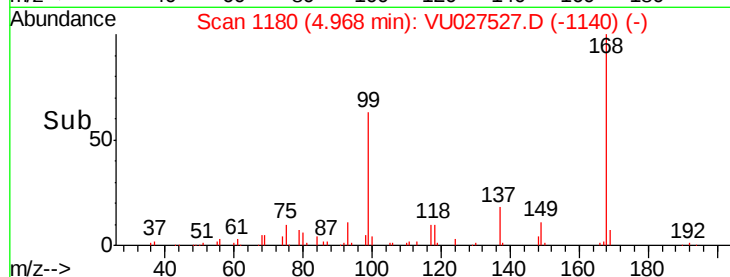
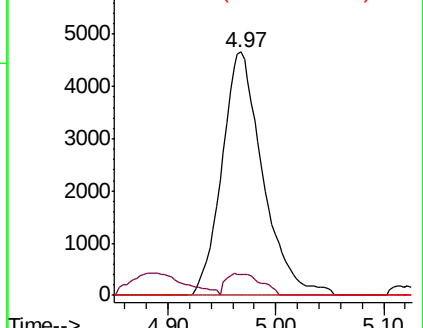
#36
 1,1-Dichloropropene
 Concen: 5.684 ug/l
 RT: 4.97 min Scan# 1180
 Delta R.T. -0.17 min
 Lab File: VU027527.D
 Acq: 09 Oct 2018 17:33

Instrument :
 MSVOA_U
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 VU1010WBL01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.5	46.5#
77	0.0	25.4	38.0#

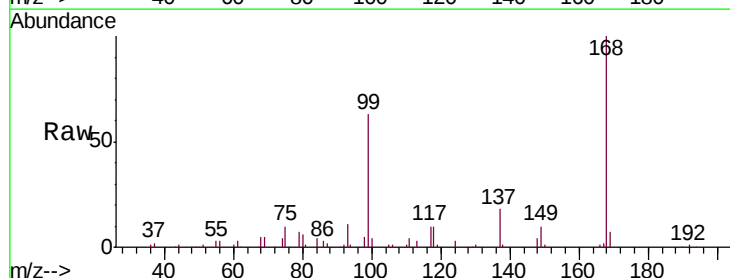


Abundance Ion 74.90 (74.60 to 75.60): VU027314.D (-1218) (-)
 Ion 109.90 (109.60 to 110.60): VU027314.D (-1218) (-)
 Ion 76.90 (76.60 to 77.60): VU027314.D (-1218) (-)

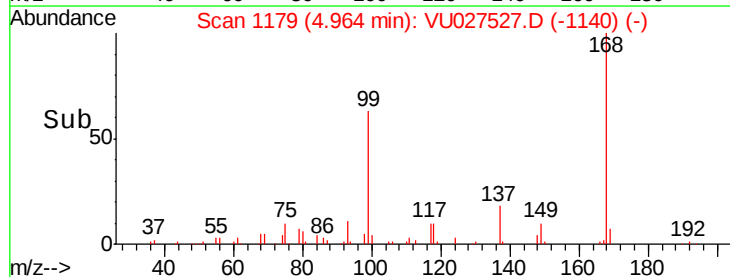
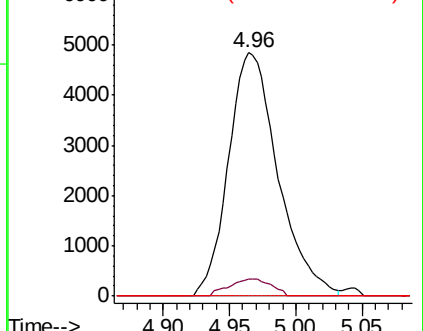


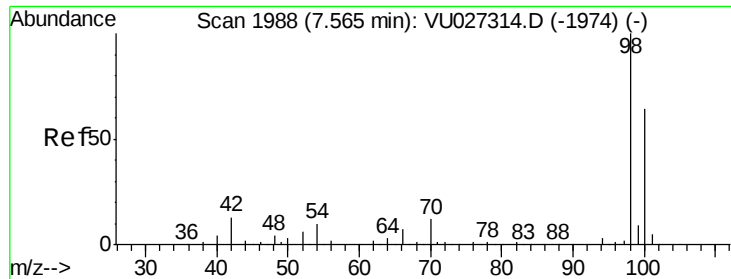
#38
 Carbon Tetrachloride
 Concen: 6.430 ug/l
 RT: 4.96 min Scan# 1179
 Delta R.T. -0.17 min
 Lab File: VU027527.D
 Acq: 09 Oct 2018 17:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.1	74.5	111.7#
121	0.0	24.6	37.0#



Abundance Ion 116.80 (116.50 to 117.50): VU027314.D (-1210) (-)
 Ion 118.80 (118.50 to 119.50): VU027314.D (-1210) (-)
 Ion 120.80 (120.50 to 121.50): VU027314.D (-1210) (-)





#50

Toluene-d8

Concen: 51.784 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU027527.D

Acq: 09 Oct 2018 17:33

Instrument :

MSVOA_U

ClientSampleId :

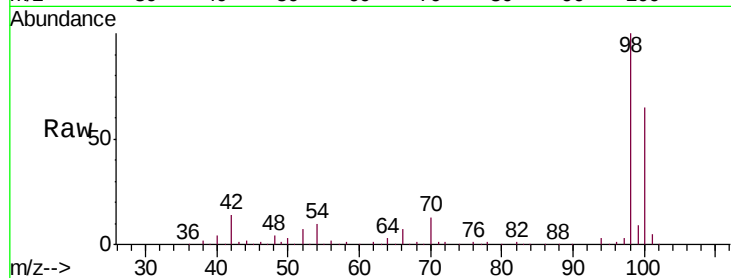
VU1010WBL01

Tgt Ion: 98 Resp: 265231

Ion Ratio Lower Upper

98 100

100 64.9 52.1 78.1



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

Ion 100.00 (99.70 to 100.70): VU027314.D (-1974) (-)

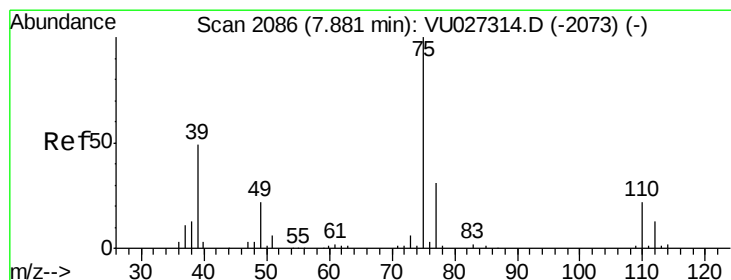
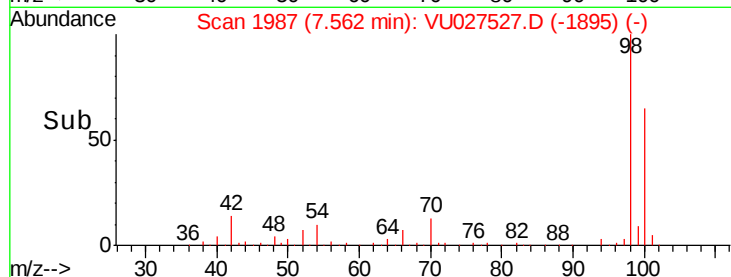
7.56

100000

50000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 0.263 ug/l

RT: 7.81 min Scan# 2063

Delta R.T. -0.07 min

Lab File: VU027527.D

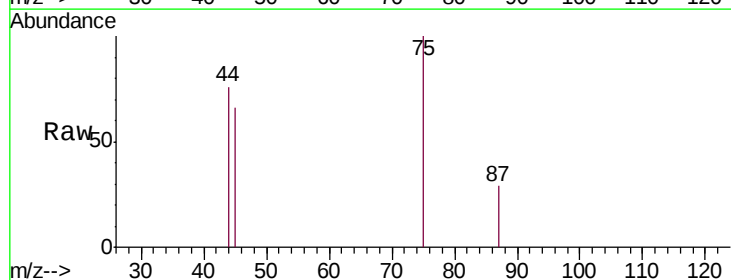
Acq: 09 Oct 2018 17:33

Tgt Ion: 75 Resp: 658

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VU027314.D (-2073) (-)

Ion 76.90 (76.60 to 77.60): VU027314.D (-2073) (-)

7.81

400

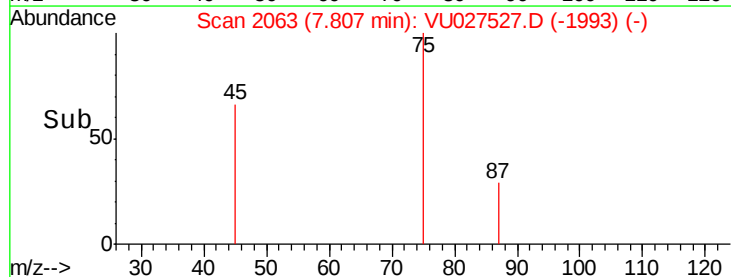
300

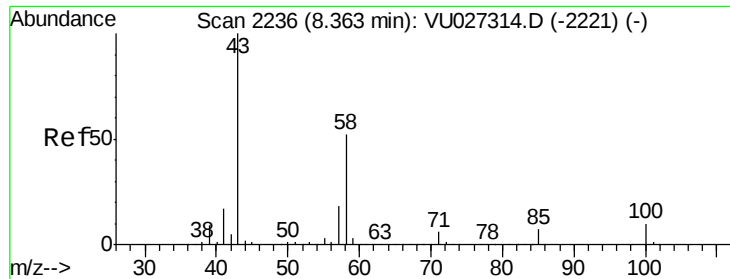
200

100

0

Time-->

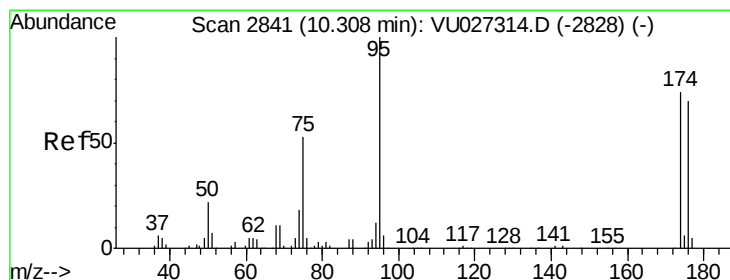
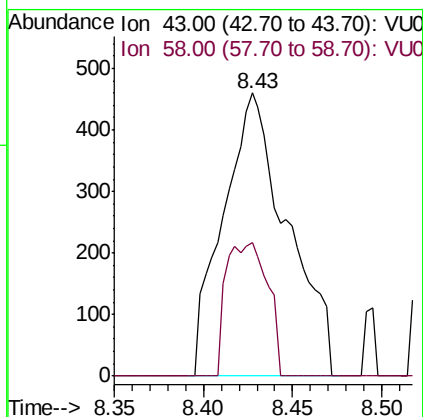
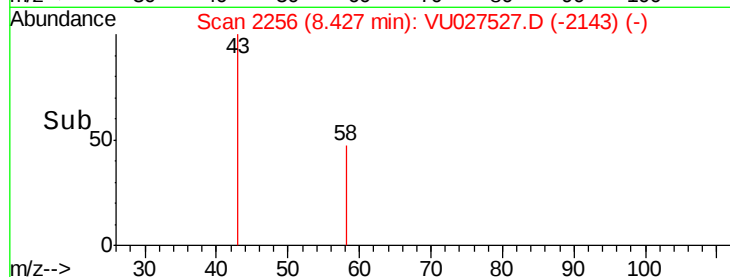
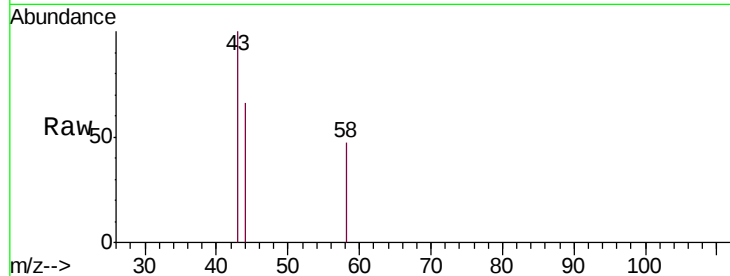




#59
 2-Hexanone
 Concen: 0.525 ug/l
 RT: 8.43 min Scan# 2256
 Delta R.T. 0.06 min
 Lab File: VU027527.D
 Acq: 09 Oct 2018 17:33

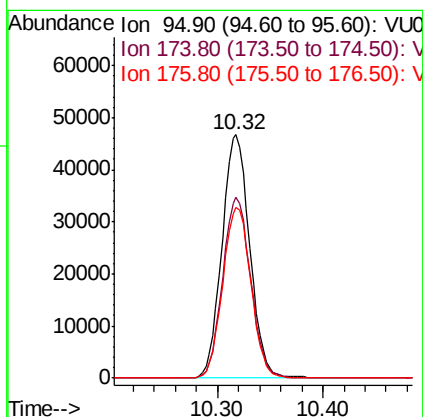
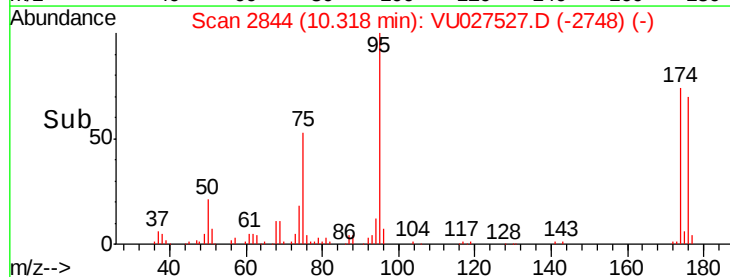
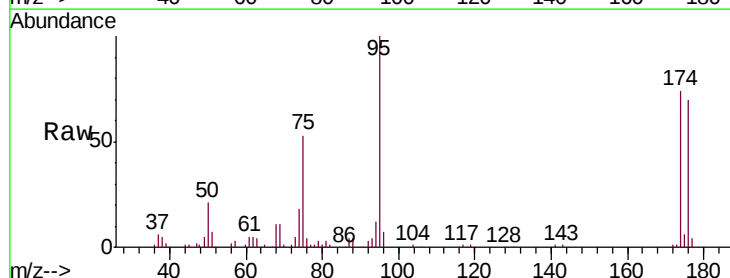
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBL01

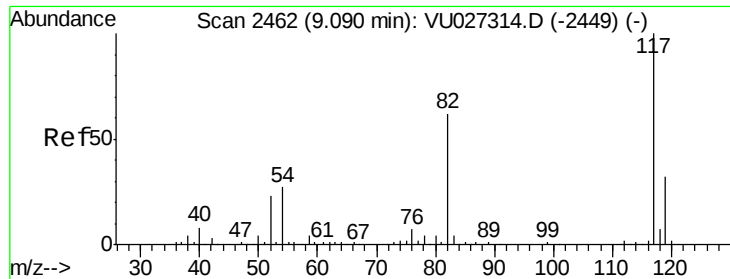
Tgt Ion: 43 Resp: 1152
 Ion Ratio Lower Upper
 43 100
 58 30.5 26.1 78.3



#62
 4-Bromofluorobenzene
 Concen: 44.655 ug/l
 RT: 10.32 min Scan# 2844
 Delta R.T. 0.01 min
 Lab File: VU027527.D
 Acq: 09 Oct 2018 17:33

Tgt Ion: 95 Resp: 85001
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 147.8
 176 71.0 0.0 140.8

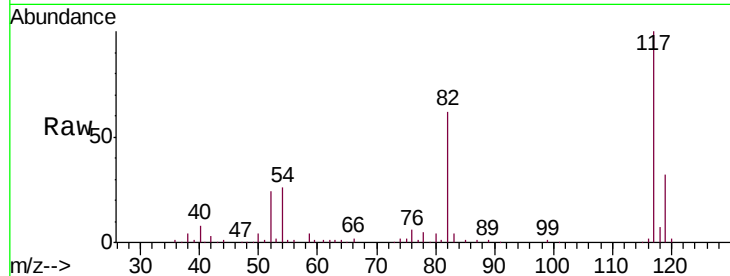




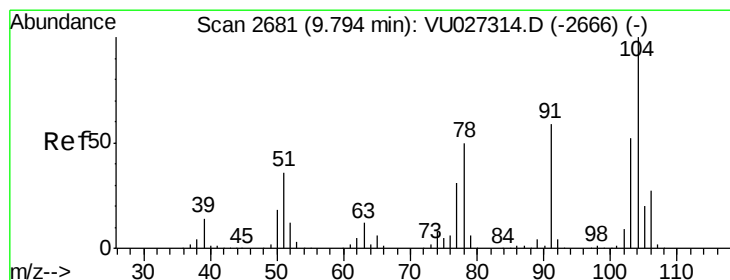
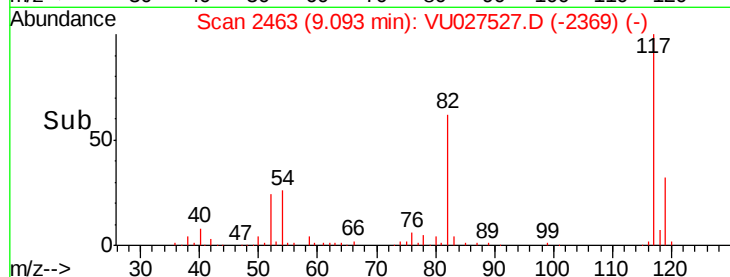
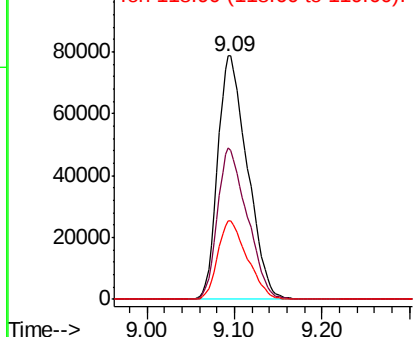
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027527.D
Acq: 09 Oct 2018 17:33

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBL01

Tgt Ion:117 Resp: 184937
Ion Ratio Lower Upper
117 100
82 62.5 49.2 73.8
119 32.0 25.7 38.5

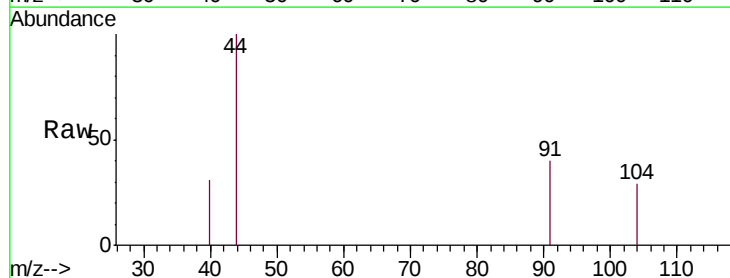


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

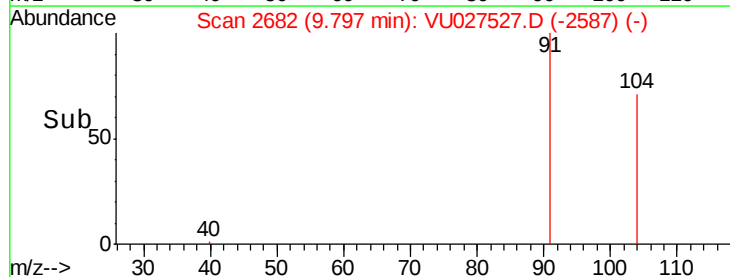
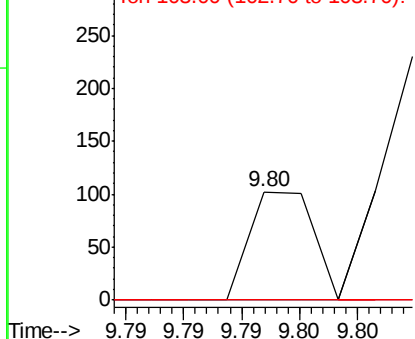


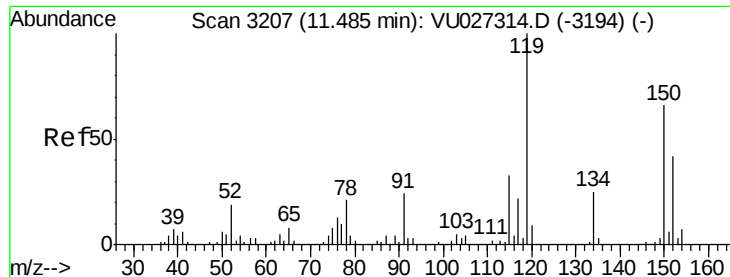
#70
Styrene
Concen: 2.307 ug/l
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027527.D
Acq: 09 Oct 2018 17:33

Tgt Ion:104 Resp: 39
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: VU027527.D

Acq: 09 Oct 2018 17:33

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBL01

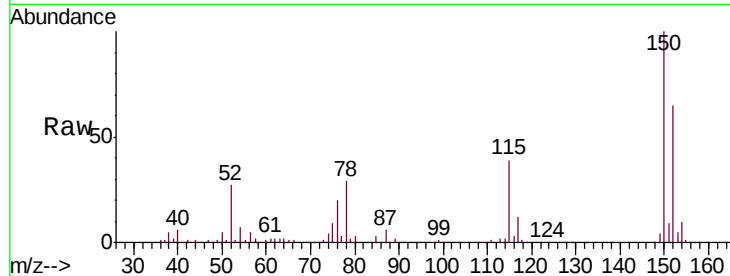
Tgt Ion:152 Resp: 74067

Ion Ratio Lower Upper

152 100

115 60.0 43.4 130.2

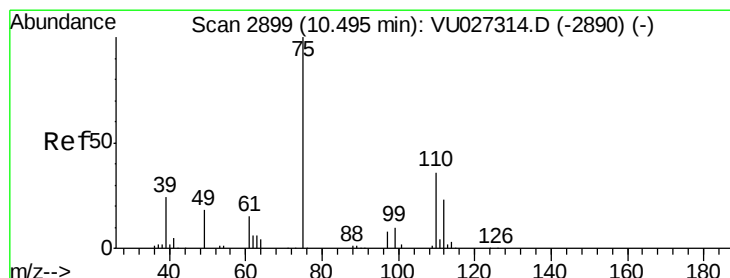
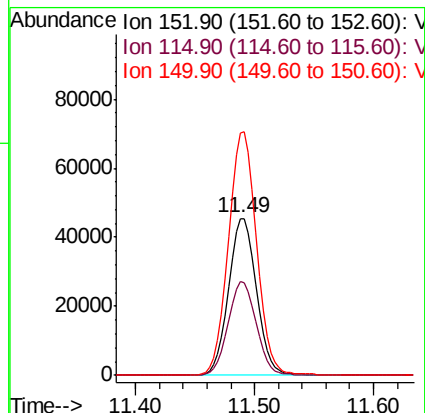
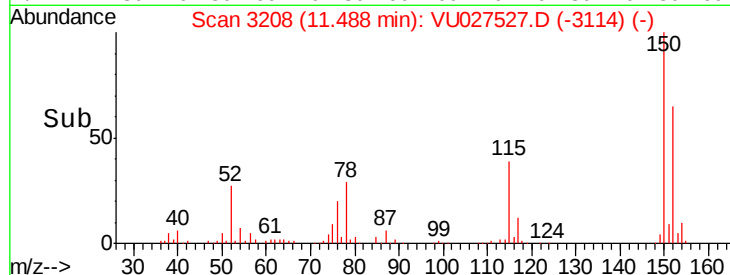
150 156.1 0.0 349.2



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: 23.429 ug/l

RT: 10.32 min Scan# 2844

Delta R.T. -0.18 min

Lab File: VU027527.D

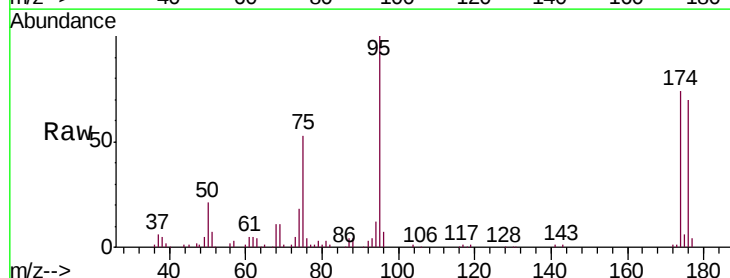
Acq: 09 Oct 2018 17:33

Tgt Ion: 75 Resp: 44983

Ion Ratio Lower Upper

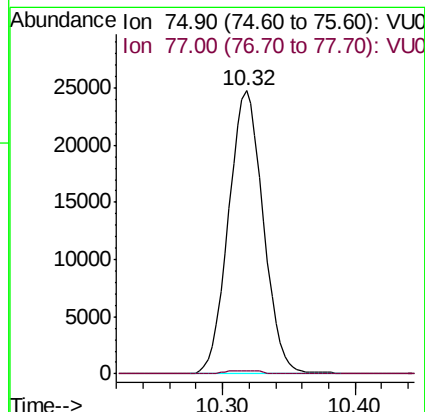
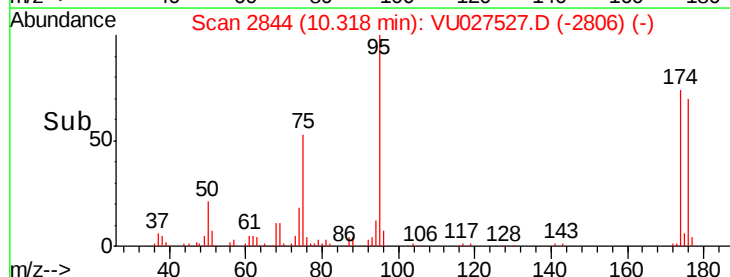
75 100

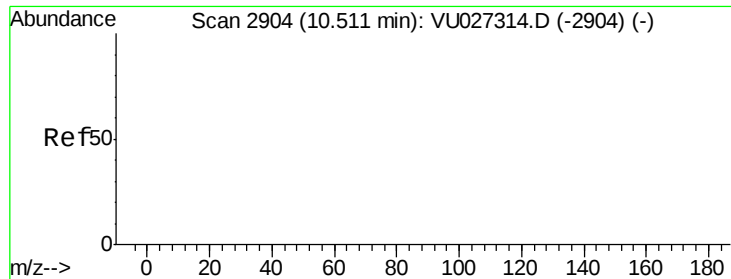
77 0.7 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

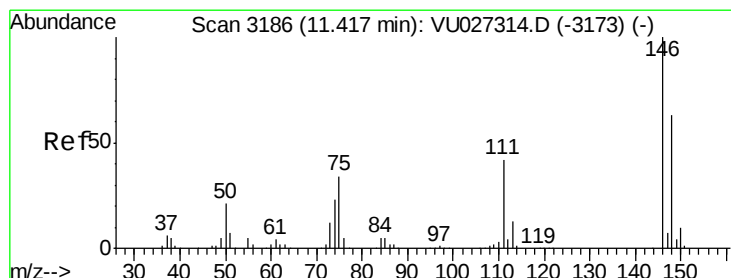
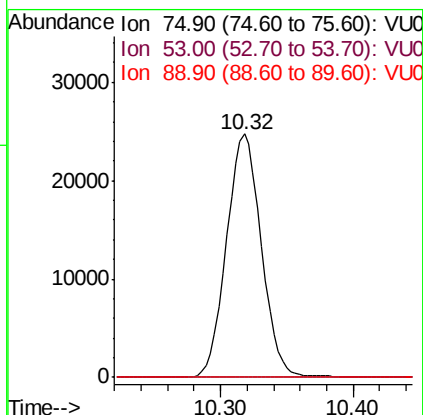
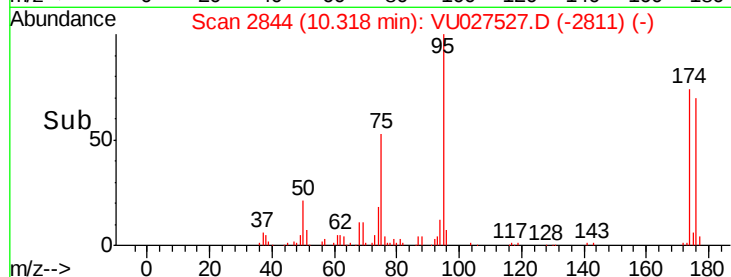
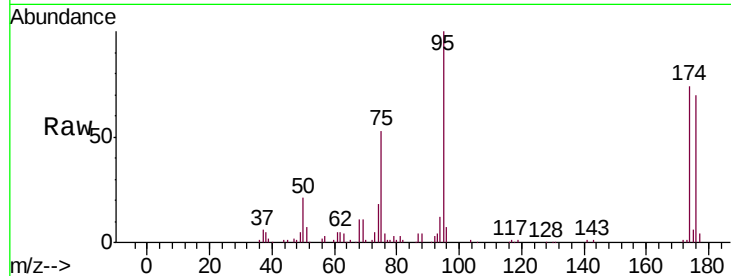




#81
trans-1,4-Dichloro-2-butene
Concen: 61.316 ug/l
RT: 10.32 min Scan# 2844
Delta R.T. -0.19 min
Lab File: VU027527.D
Acq: 09 Oct 2018 17:33

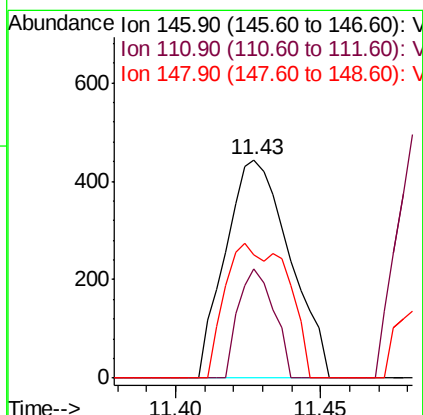
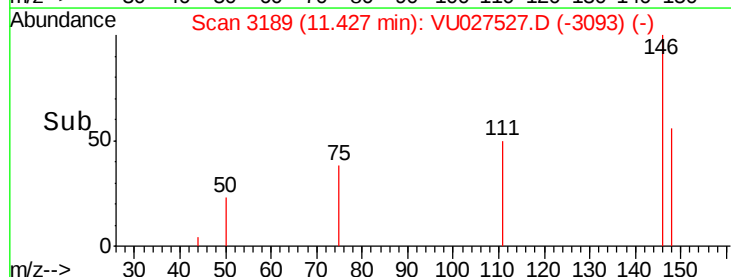
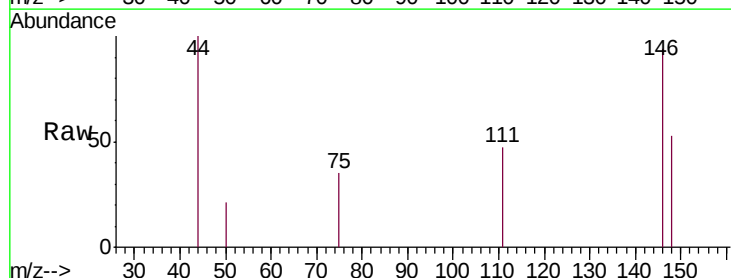
Instrument :
MSVOA_U
ClientSampleId :
VU1010WBL01

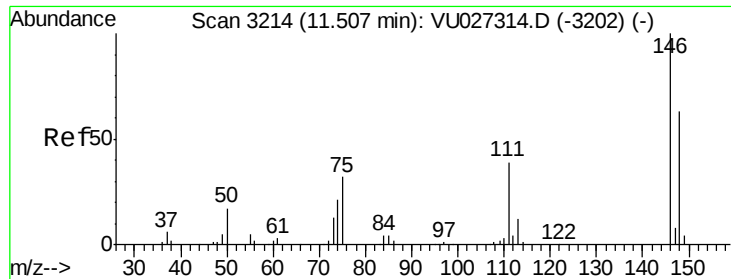
Tgt Ion: 75 Resp: 44983
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#87
1,3-Dichlorobenzene
Concen: 0.288 ug/l
RT: 11.43 min Scan# 3189
Delta R.T. 0.01 min
Lab File: VU027527.D
Acq: 09 Oct 2018 17:33

Tgt Ion: 146 Resp: 682
Ion Ratio Lower Upper
146 100
111 27.6 20.8 62.5
148 59.5 31.6 94.8

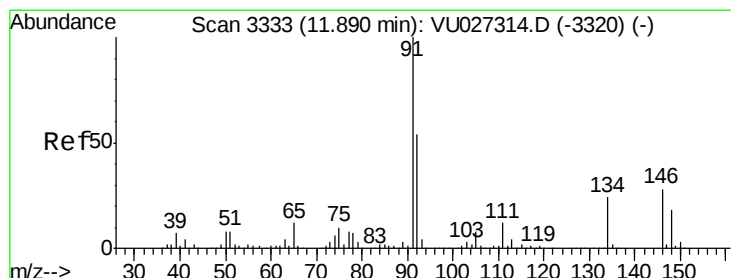
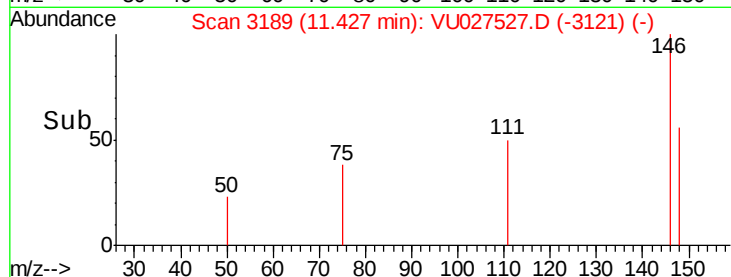
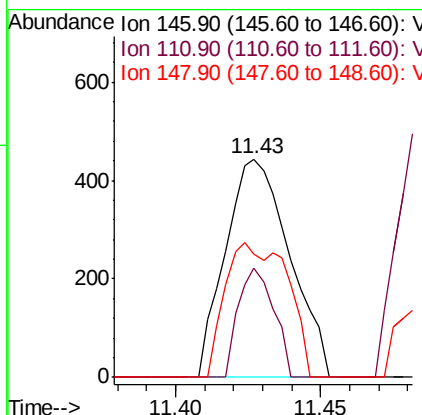
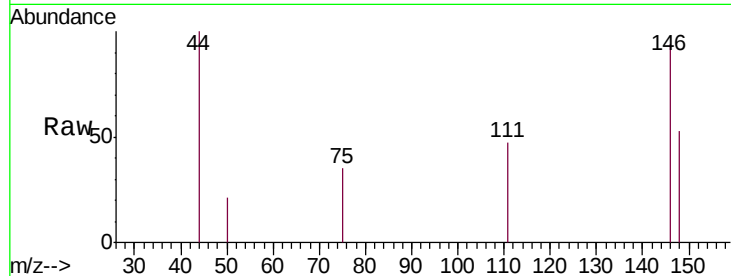




#88
 1,4-Dichlorobenzene
 Concen: 0.282 ug/l
 RT: 11.43 min Scan# 3189
 Delta R.T. -0.08 min
 Lab File: VU027527.D
 Acq: 09 Oct 2018 17:33

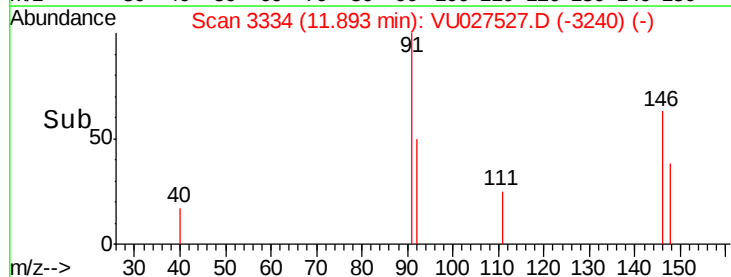
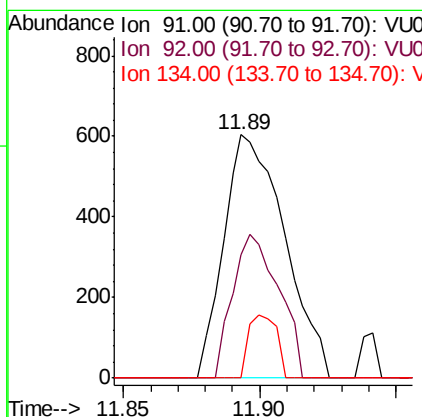
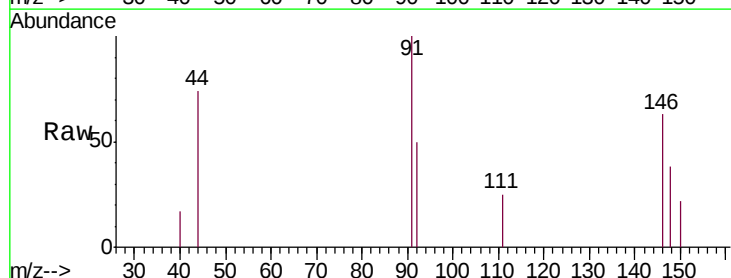
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBL01

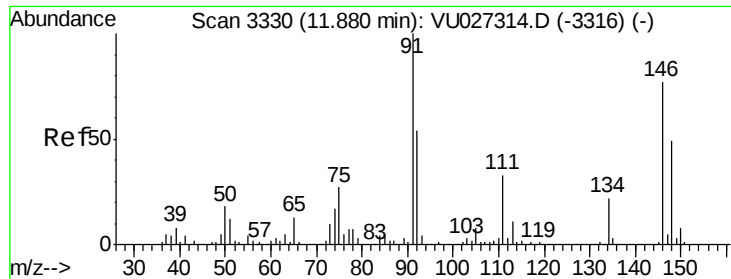
Tgt Ion: 146 Resp: 682
 Ion Ratio Lower Upper
 146 100
 111 27.6 20.4 61.2
 148 59.5 31.9 95.5



#89
 n-Butylbenzene
 Concen: 2.135 ug/l
 RT: 11.89 min Scan# 3334
 Delta R.T. 0.00 min
 Lab File: VU027527.D
 Acq: 09 Oct 2018 17:33

Tgt Ion: 91 Resp: 937
 Ion Ratio Lower Upper
 91 100
 92 44.7 27.0 81.0
 134 11.6 11.7 35.1#

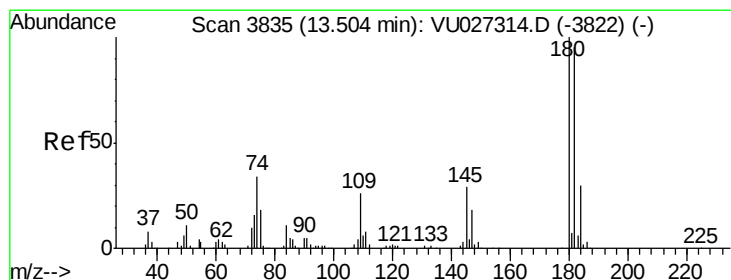
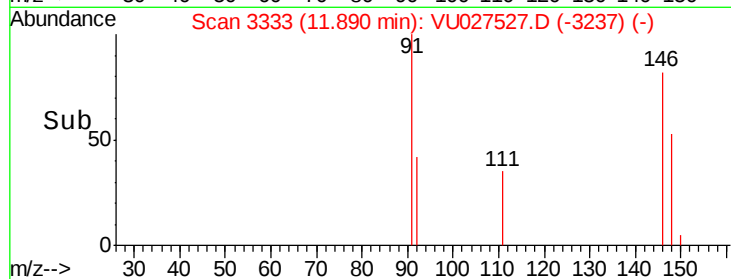
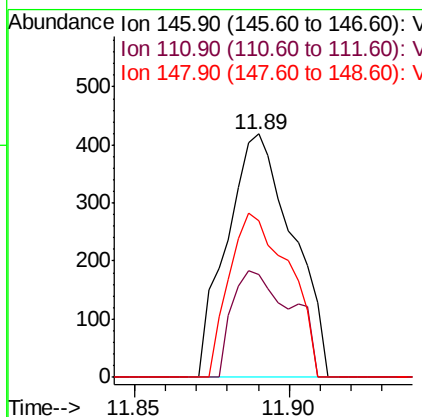
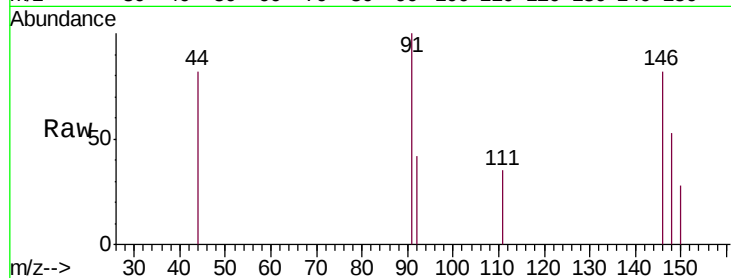




#91
 1,2-Dichlorobenzene
 Concen: 0.269 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.01 min
 Lab File: VU027527.D
 Acq: 09 Oct 2018 17:33

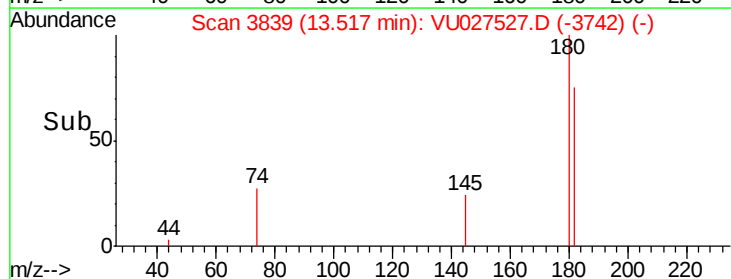
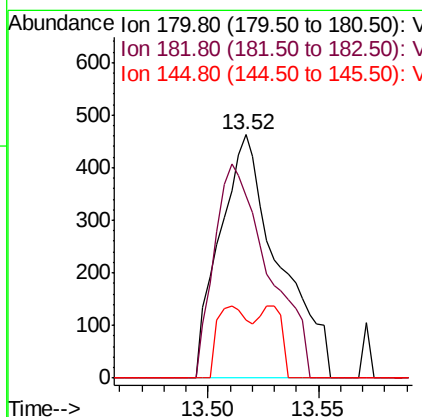
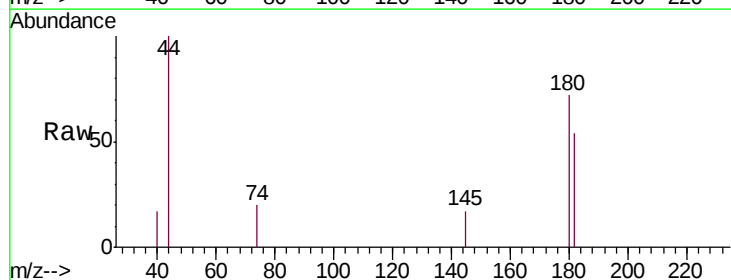
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBL01

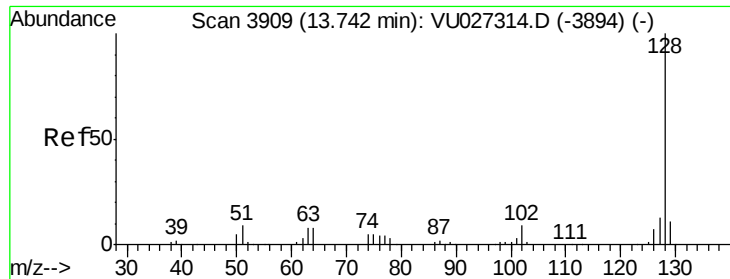
Tgt Ion:146 Resp: 620
 Ion Ratio Lower Upper
 146 100
 111 39.5 21.8 65.4
 148 61.8 31.9 95.5



#93
 1,2,4-Trichlorobenzene
 Concen: 0.573 ug/l
 RT: 13.52 min Scan# 3839
 Delta R.T. 0.01 min
 Lab File: VU027527.D
 Acq: 09 Oct 2018 17:33

Tgt Ion:180 Resp: 854
 Ion Ratio Lower Upper
 180 100
 182 80.4 47.4 142.3
 145 16.3 14.6 44.0

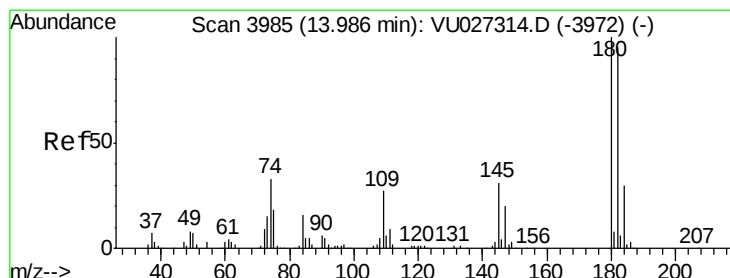
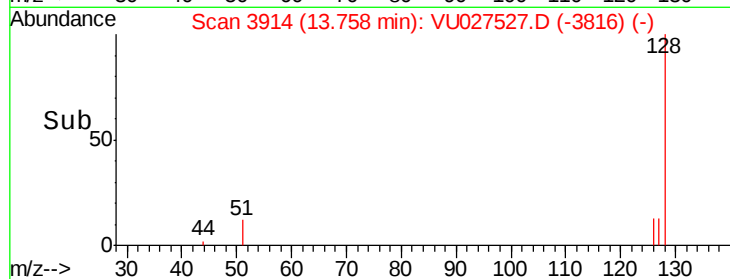
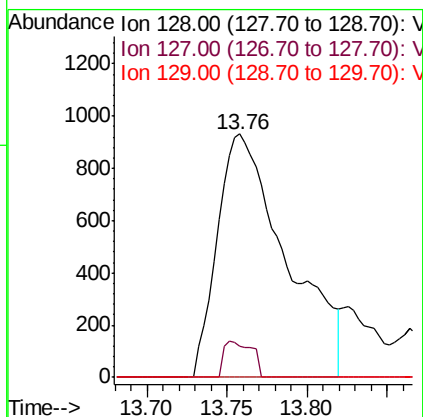
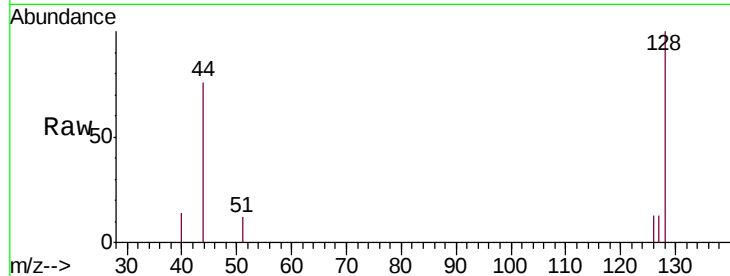




#95
Naphthalene
Concen: 2.138 ug/l
RT: 13.76 min Scan# 3914
Delta R.T. 0.02 min
Lab File: VU027527.D
Acq: 09 Oct 2018 17:33

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBL01

Tgt Ion:128 Resp: 2770
Ion Ratio Lower Upper
128 100
127 5.9 10.5 15.7#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.557 ug/l
RT: 14.00 min Scan# 3988
Delta R.T. 0.01 min
Lab File: VU027527.D
Acq: 09 Oct 2018 17:33

Tgt Ion:180 Resp: 866
Ion Ratio Lower Upper
180 100
182 102.9 47.4 142.2
145 11.8 15.9 47.7#

