

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122218\
 Data File : VU028910.D
 Acq On : 22 Dec 2018 13:23
 Operator : MD/SY
 Sample : VU1222MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1222MBL01

Quant Time: Dec 24 04:44:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	121567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	201853	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	180347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69732	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	76808	41.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.80%	
35) Dibromofluoromethane	4.88	113	66304	52.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.40%	
50) Toluene-d8	7.56	98	252524	50.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	10.31	95	77702	41.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.74%	

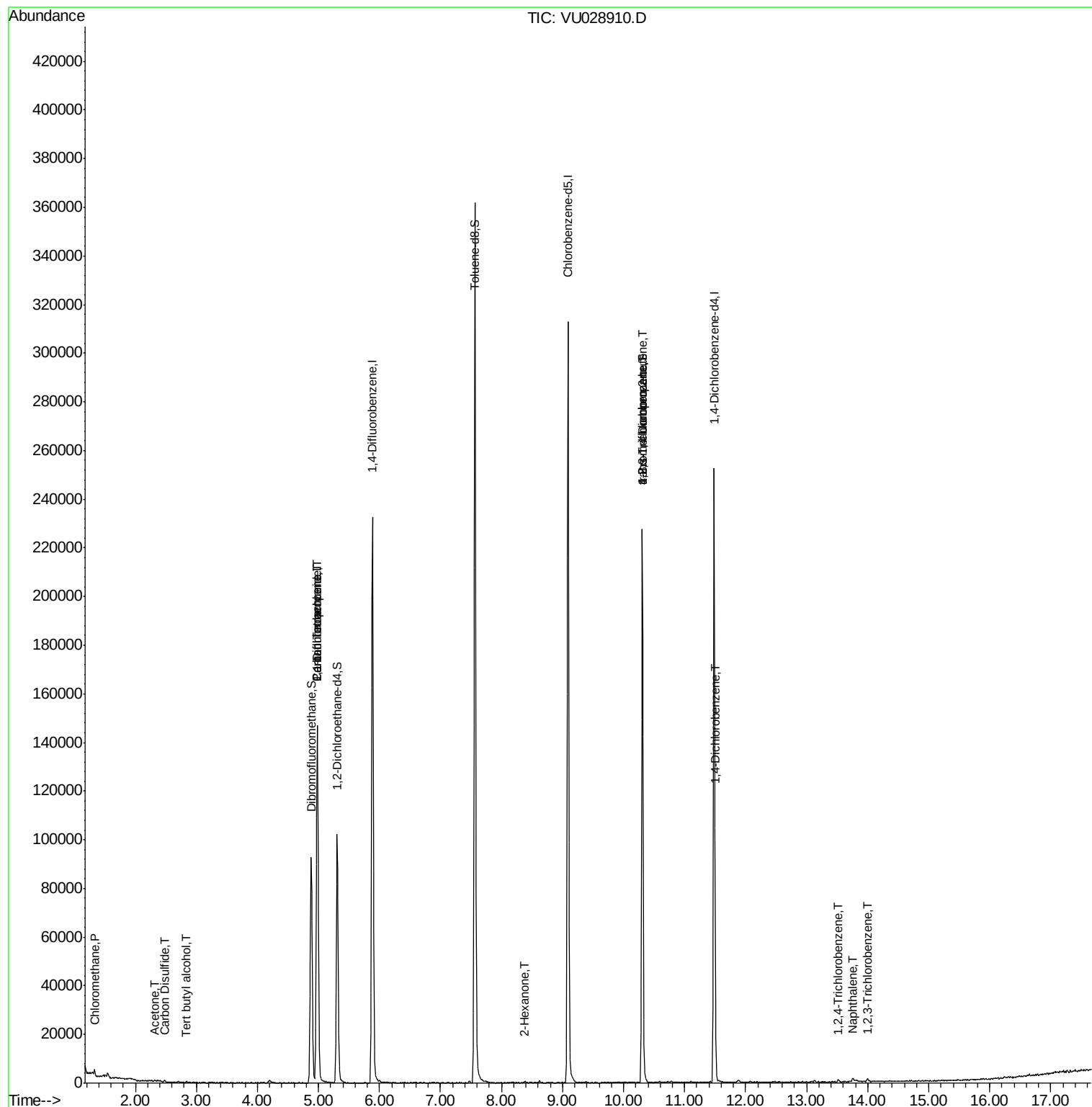
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1594	0.532	ug/l	94
11) Tert butyl alcohol	2.84	59	167	0.404	ug/l #	73
16) Acetone	2.32	43	430	0.355	ug/l #	44
17) Carbon Disulfide	2.48	76	1195	0.245	ug/l #	88
31) Cyclohexane	4.99	56	2131	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8933	4.044	ug/l #	50
38) Carbon Tetrachloride	4.98	117	10485	5.889	ug/l #	16
59) 2-Hexanone	8.38	43	599	0.265	ug/l	77
76) 1,2,3-Trichloropropane	10.31	75	37271	20.931	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	37271	51.448	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	527	0.216	ug/l #	51
93) 1,2,4-Trichlorobenzene	13.51	180	357	1.060	ug/l #	36
95) Naphthalene	13.75	128	3239	0.571	ug/l #	81
96) 1,2,3-Trichlorobenzene	14.00	180	870	0.683	ug/l	77

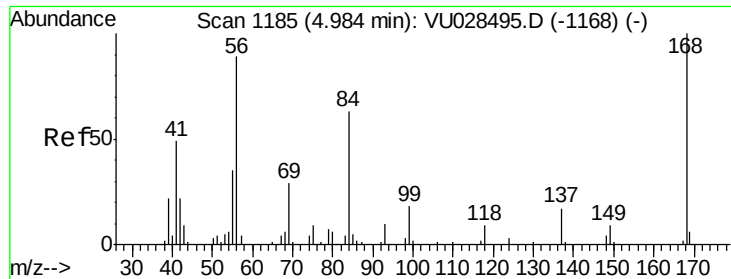
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028910.D

Acq: 22 Dec 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

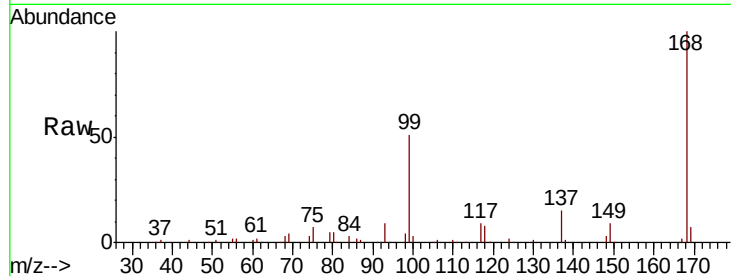
VU1222MBL01

Tgt Ion:168 Resp: 121567

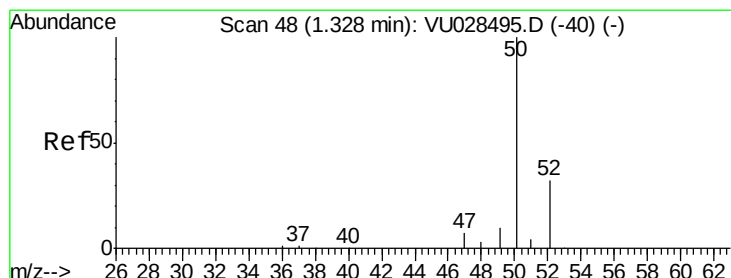
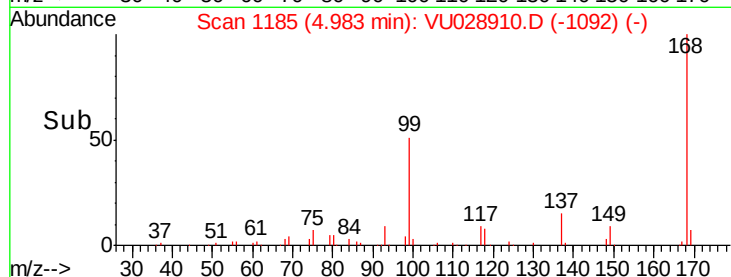
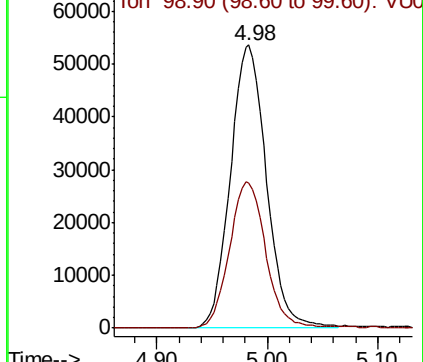
Ion Ratio Lower Upper

168 100

99 51.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)



#3

Chloromethane

Concen: 0.532 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028910.D

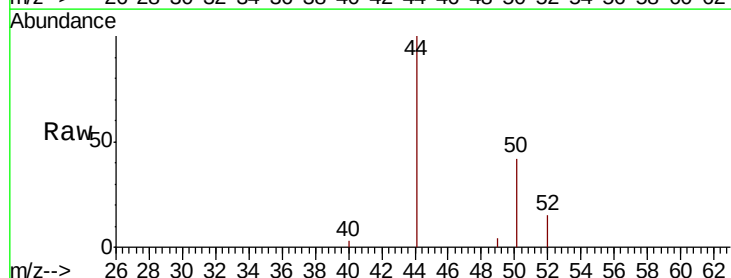
Acq: 22 Dec 2018 13:23

Tgt Ion: 50 Resp: 1594

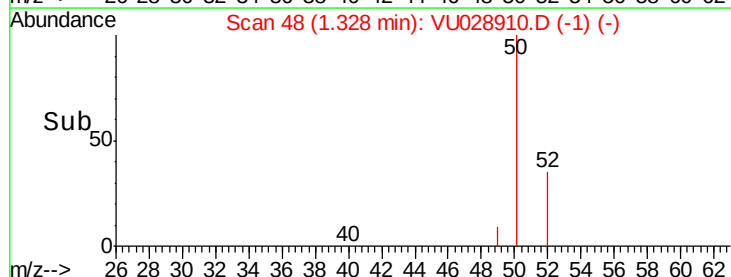
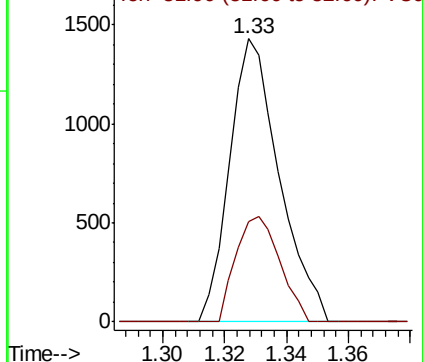
Ion Ratio Lower Upper

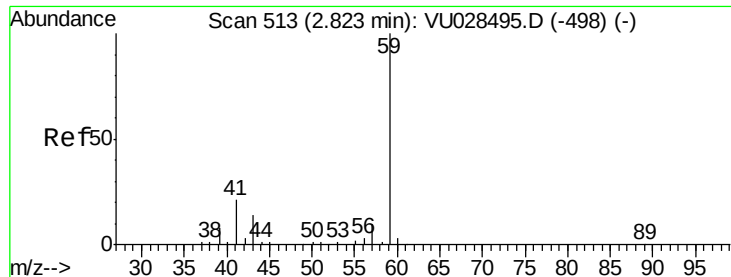
50 100

52 35.5 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

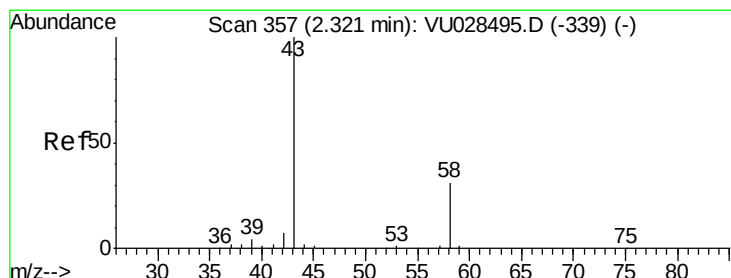
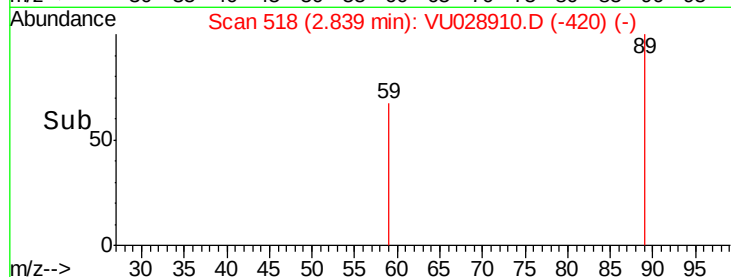
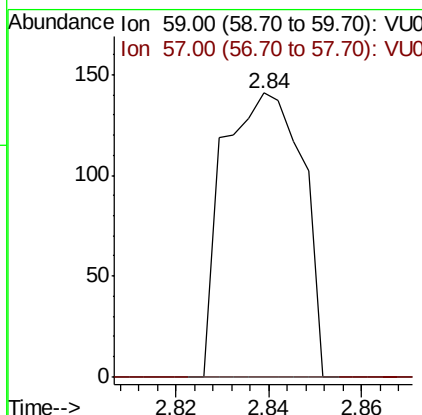
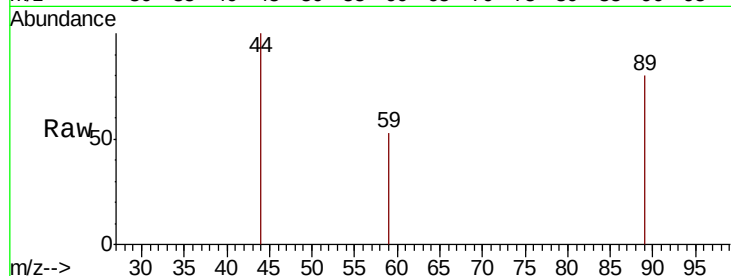




#11
 Tert butyl alcohol
 Concen: 0.404 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.02 min
 Lab File: VU028910.D
 Acq: 22 Dec 2018 13:23

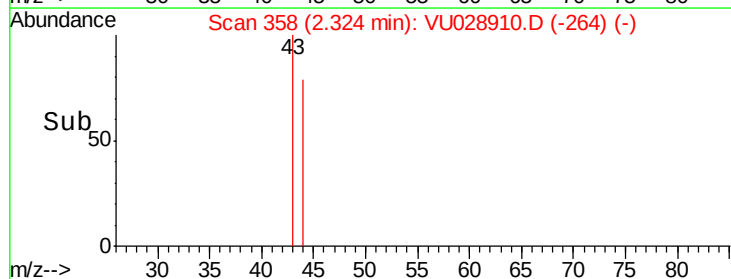
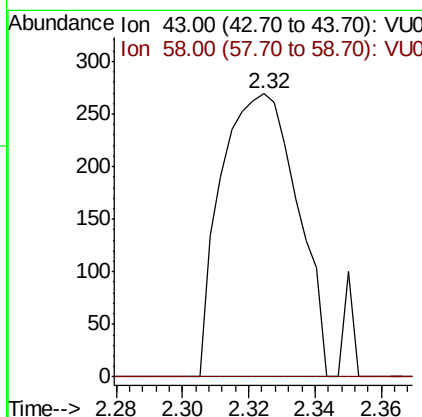
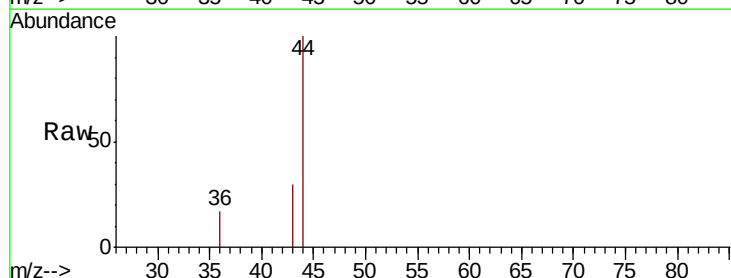
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1222MBL01

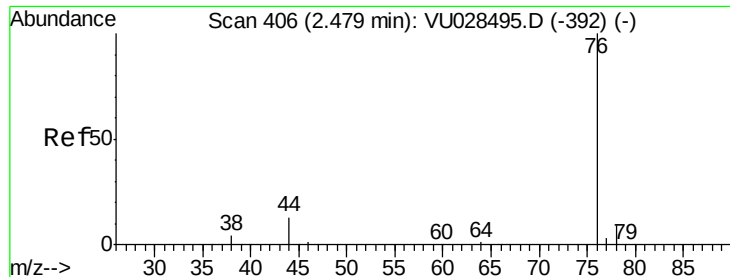
Tgt Ion: 59 Resp: 167
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#



#16
 Acetone
 Concen: 0.355 ug/l
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU028910.D
 Acq: 22 Dec 2018 13:23

Tgt Ion: 43 Resp: 430
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.6 37.0#





#17

Carbon Disulfide

Concen: 0.245 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028910.D

Acq: 22 Dec 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

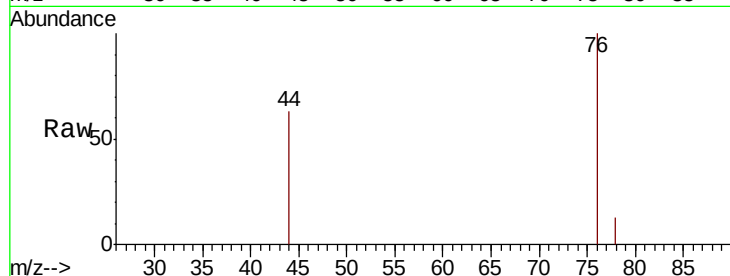
VU1222MBL01

Tgt Ion: 76 Resp: 1195

Ion Ratio Lower Upper

76 100

78 13.4 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

800

600

400

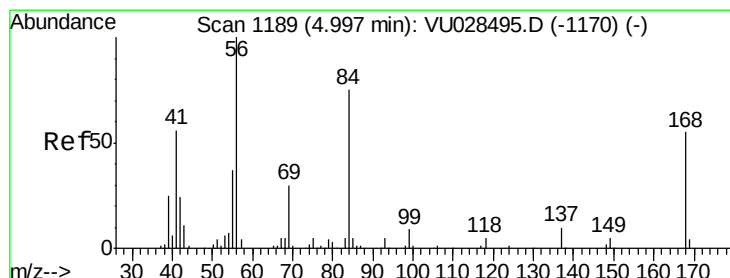
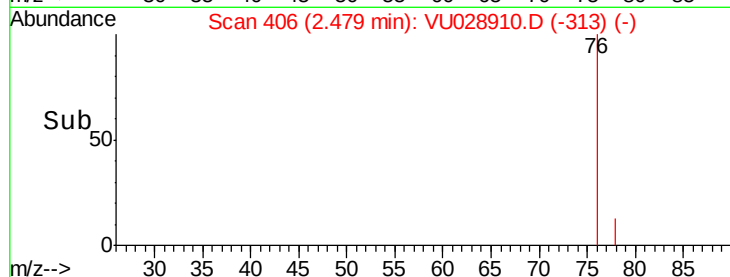
200

0

2.45

2.50

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU028910.D

Acq: 22 Dec 2018 13:23

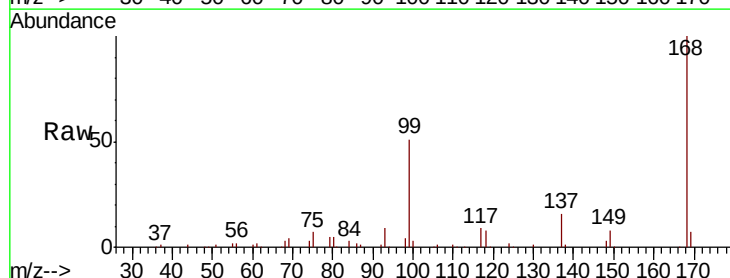
Tgt Ion: 56 Resp: 2131

Ion Ratio Lower Upper

56 100

69 196.3 24.0 36.0#

84 155.2 59.7 89.5#



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

2500

2000

1500

1000

500

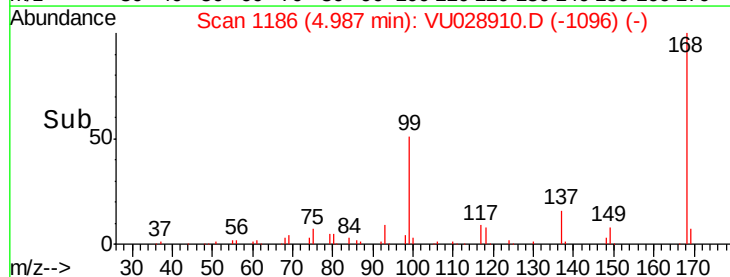
0

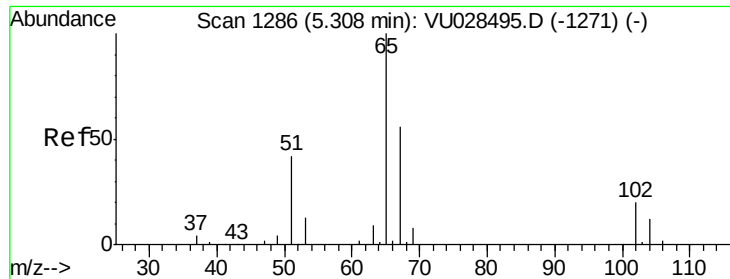
4.95

5.00

5.05

Time-->

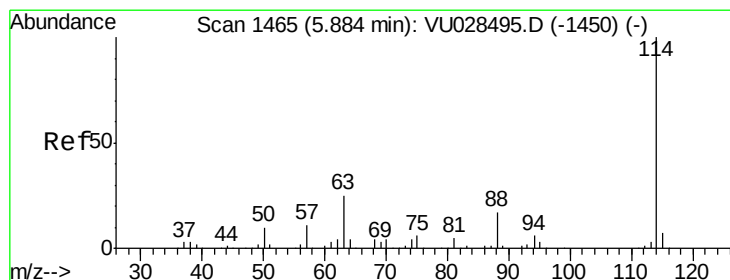
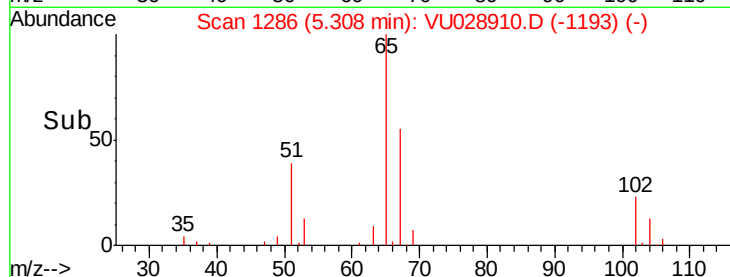
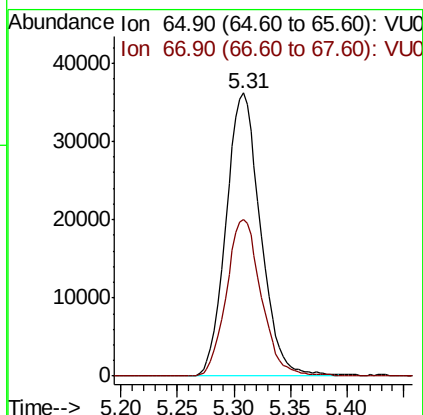
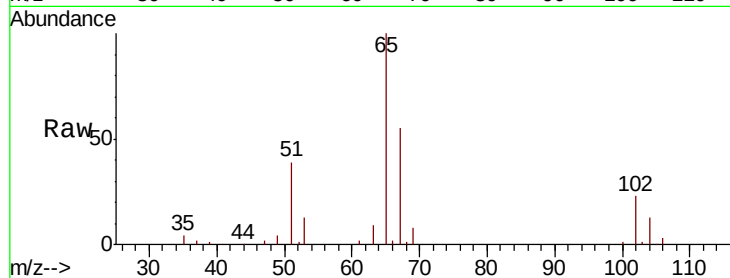




#33
 1,2-Dichloroethane-d4
 Concen: 41.402 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028910.D
 Acq: 22 Dec 2018 13:23

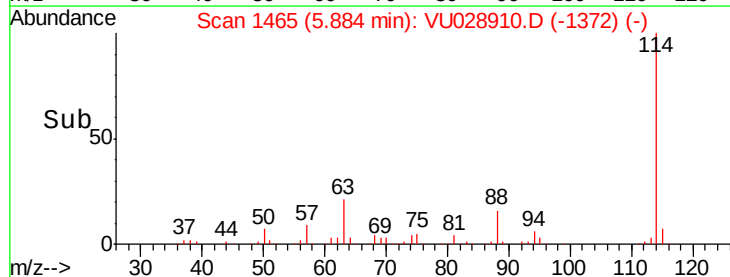
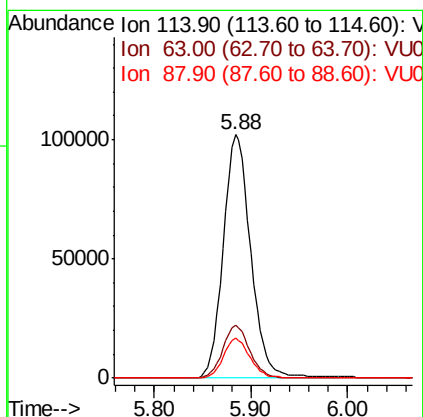
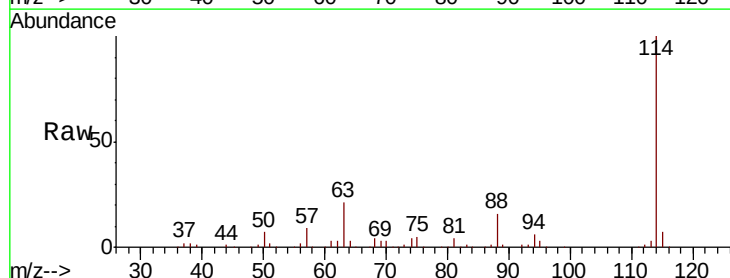
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1222MBL01

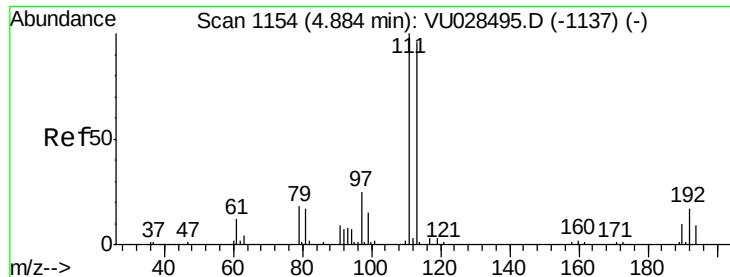
Tgt Ion: 65 Resp: 76808
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028910.D
 Acq: 22 Dec 2018 13:23

Tgt Ion: 114 Resp: 201853
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 49.2
 88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.197 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028910.D

Acq: 22 Dec 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU1222MBL01

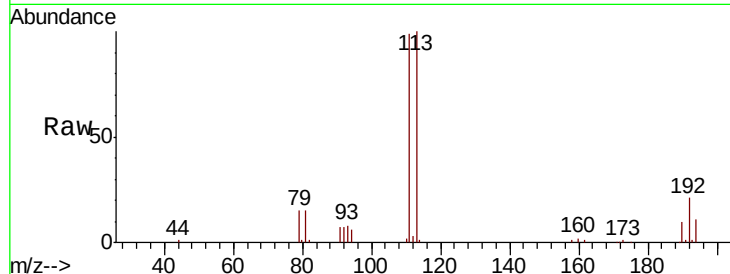
Tgt Ion:113 Resp: 66304

Ion Ratio Lower Upper

113 100

111 103.5 83.4 125.0

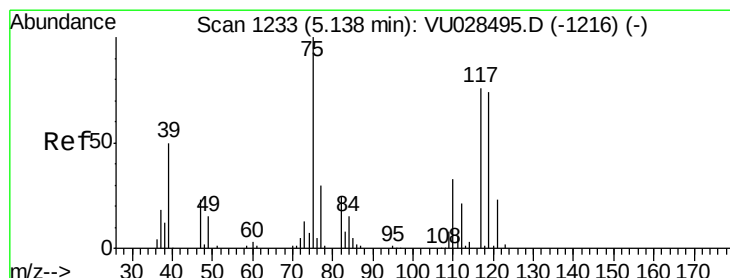
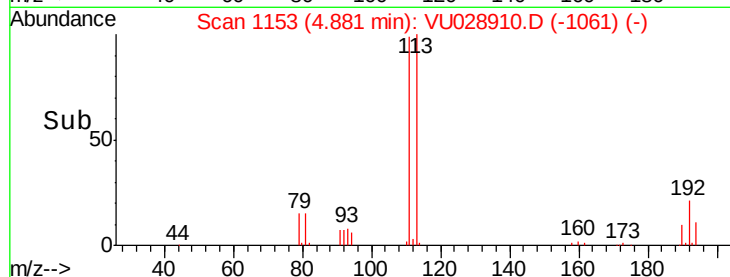
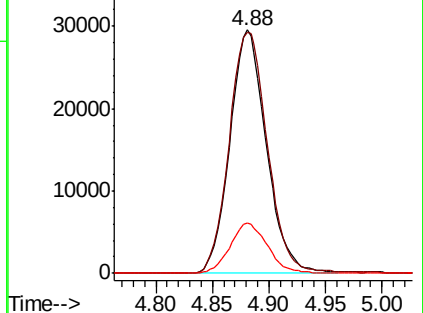
192 21.1 14.8 22.2



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: 4.044 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028910.D

Acq: 22 Dec 2018 13:23

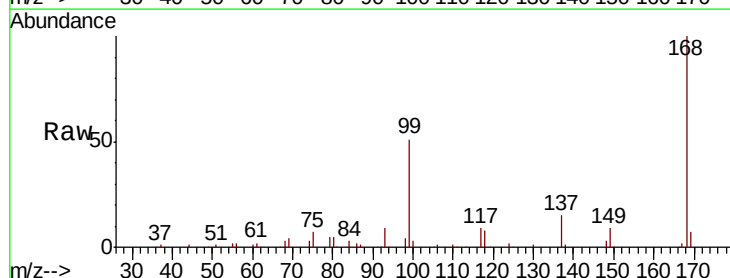
Tgt Ion: 75 Resp: 8933

Ion Ratio Lower Upper

75 100

110 7.3 16.1 48.2#

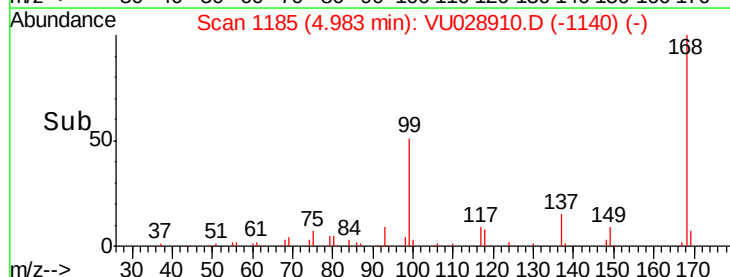
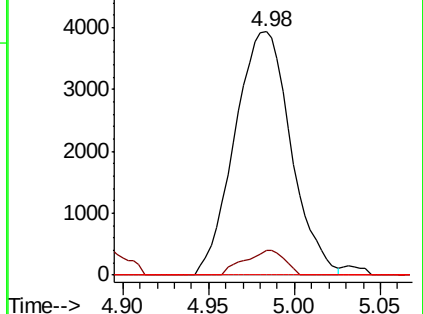
77 0.0 24.5 36.7#

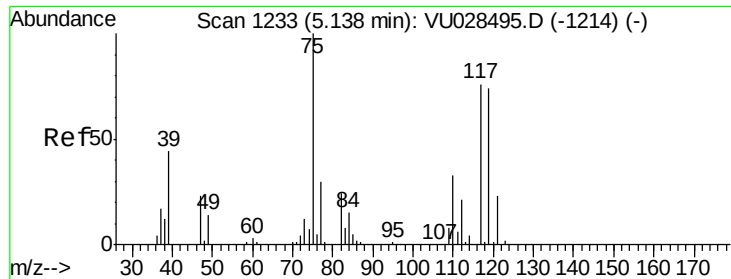


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

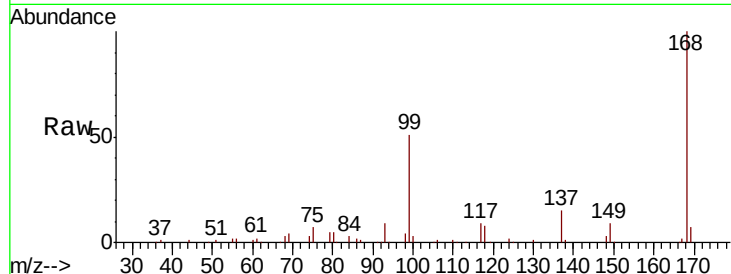




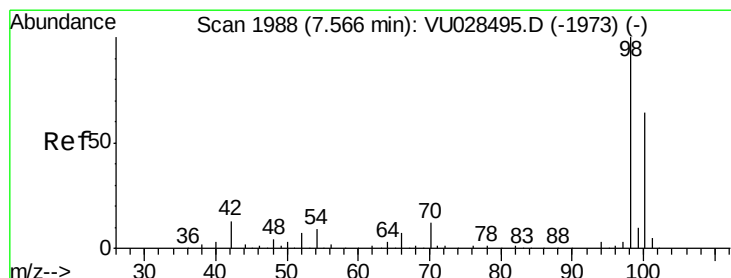
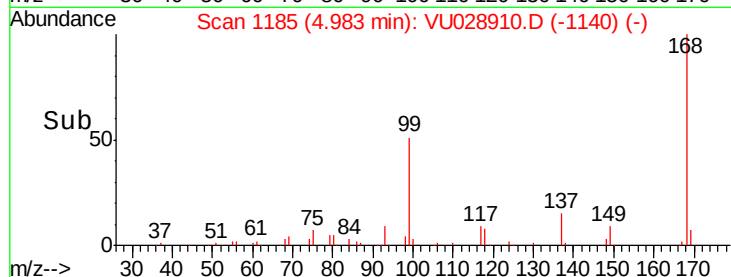
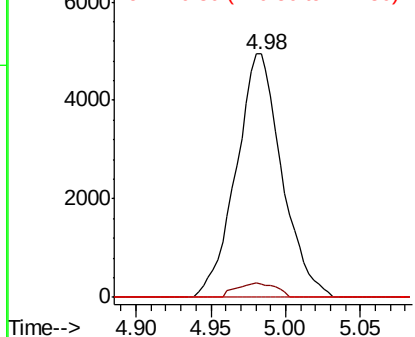
#38
Carbon Tetrachloride
Concen: 5.889 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028910.D
Acq: 22 Dec 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBL01

Tgt Ion:117 Resp: 10485
Ion Ratio Lower Upper
117 100
119 5.4 77.6 116.4#
121 0.0 24.6 36.8#

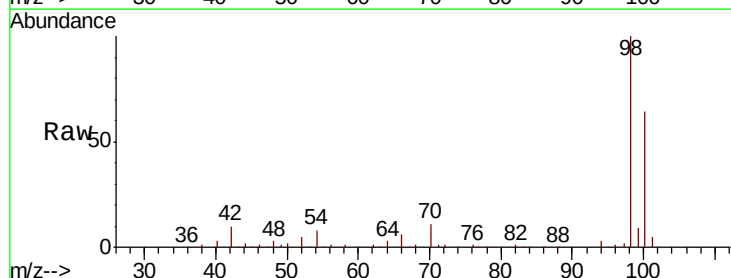


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

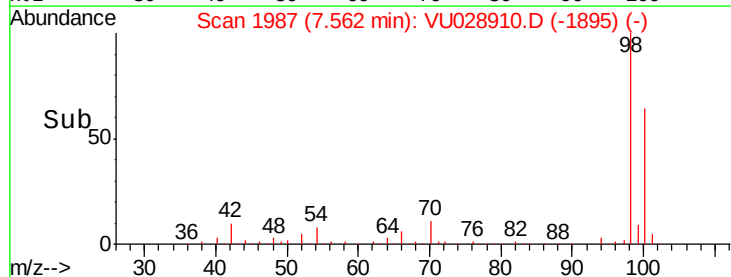
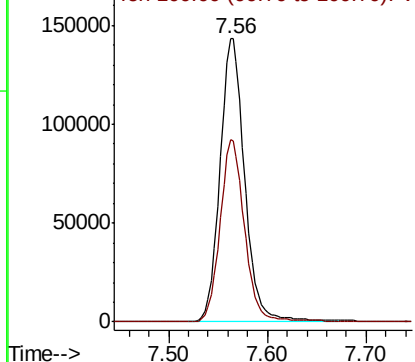


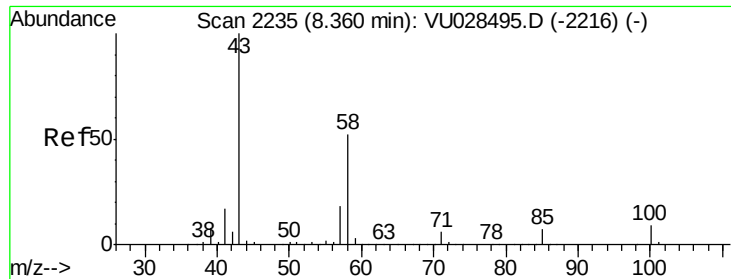
#50
Toluene-d8
Concen: 50.254 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028910.D
Acq: 22 Dec 2018 13:23

Tgt Ion: 98 Resp: 252524
Ion Ratio Lower Upper
98 100
100 63.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

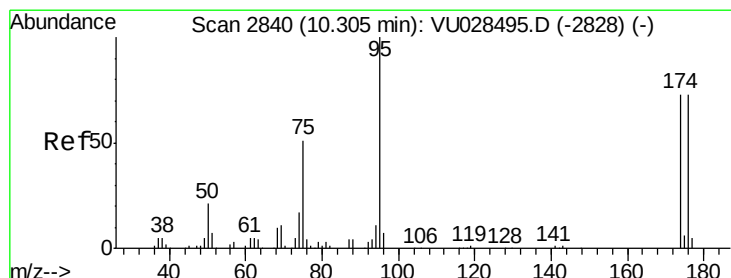
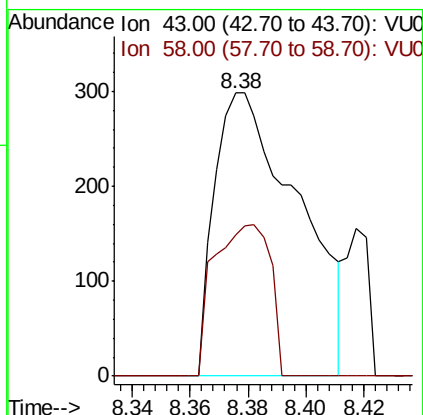
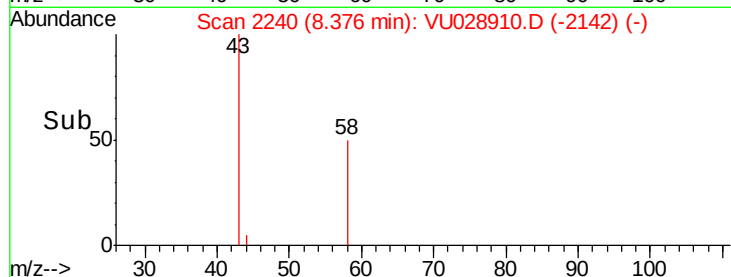
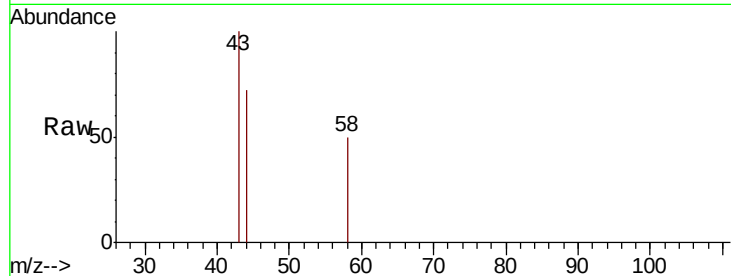




#59
2-Hexanone
Concen: 0.265 ug/l
RT: 8.38 min Scan# 2240
Delta R.T. 0.02 min
Lab File: VU028910.D
Acq: 22 Dec 2018 13:23

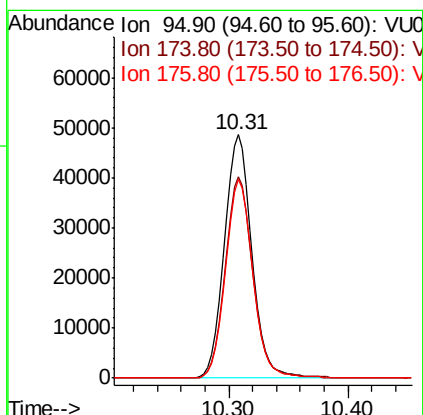
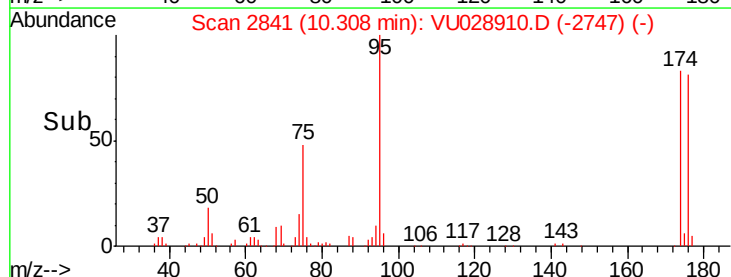
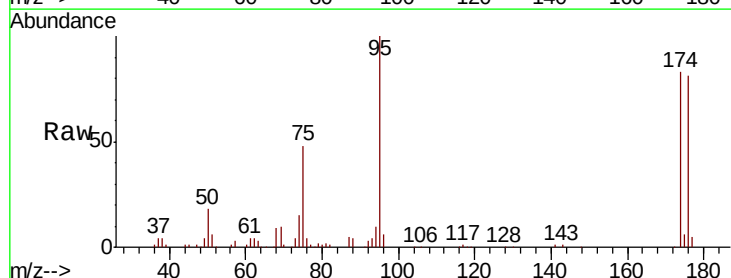
Instrument :
MSVOA_U
ClientSampleId :
VU1222MBL01

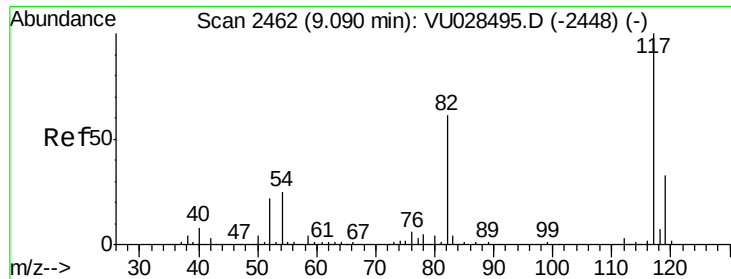
Tgt Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
58 35.9 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 41.371 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028910.D
Acq: 22 Dec 2018 13:23

Tgt Ion: 95 Resp: 77702
Ion Ratio Lower Upper
95 100
174 82.9 0.0 150.4
176 81.4 0.0 145.2

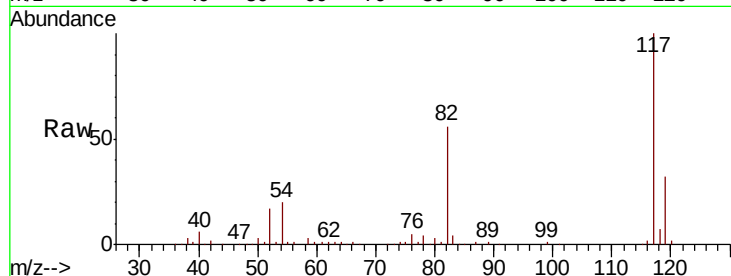




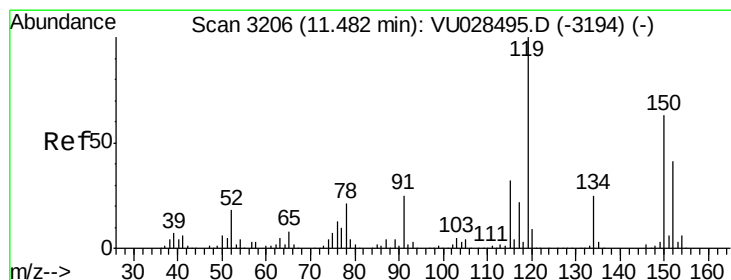
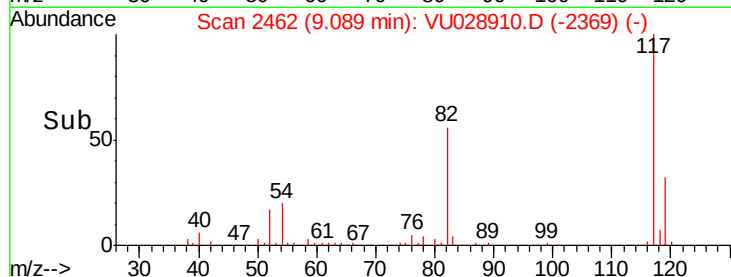
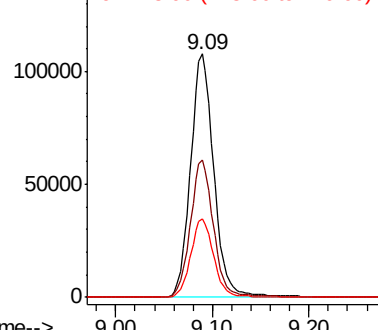
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028910.D
Acq: 22 Dec 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.2	48.9	73.3
119	32.0	26.2	39.4

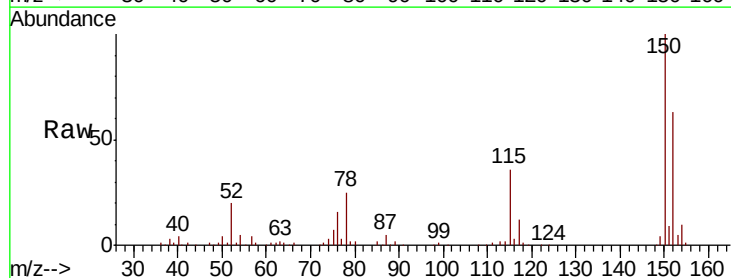


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

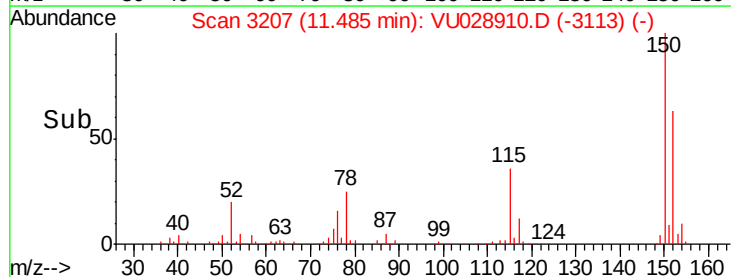
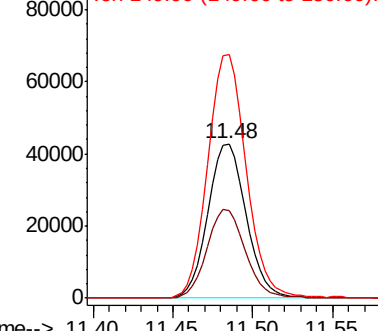


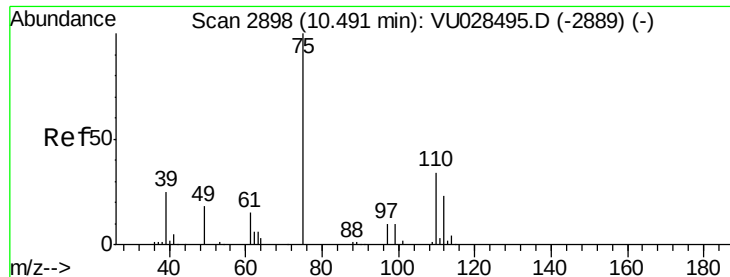
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU028910.D
Acq: 22 Dec 2018 13:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	42.7	128.1
150	158.3	0.0	346.0



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: 20.931 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.18 min

Lab File: VU028910.D

Acq: 22 Dec 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

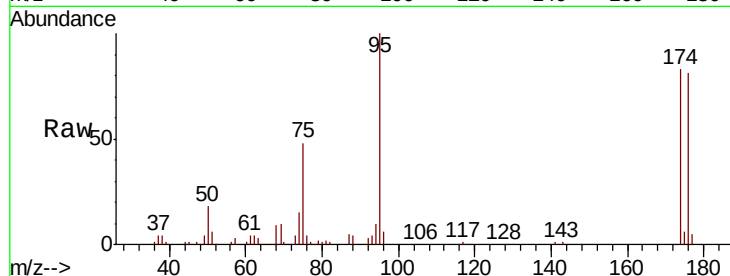
VU1222MBL01

Tgt Ion: 75 Resp: 37271

Ion Ratio Lower Upper

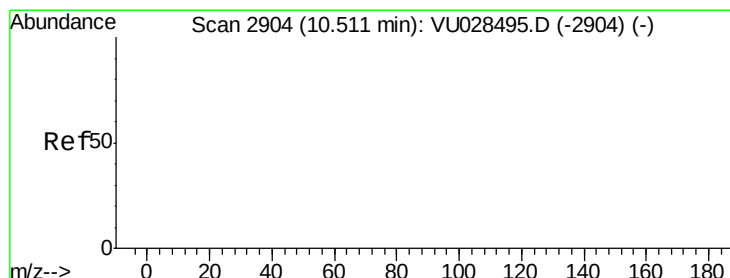
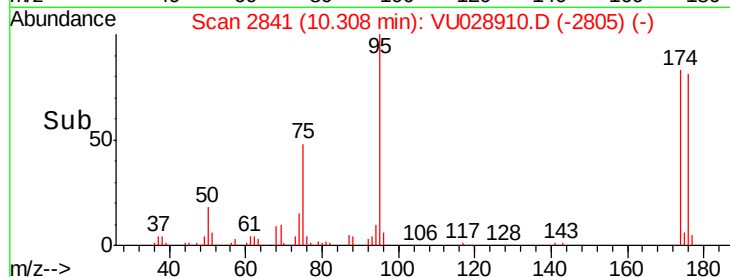
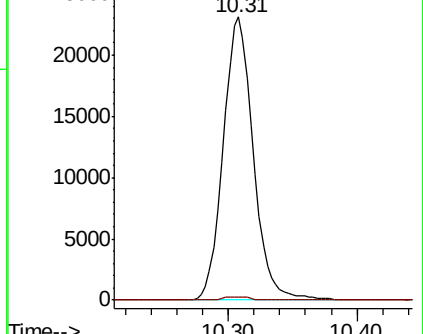
75 100

77 1.0 20.8 62.4#



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: 51.448 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028910.D

Acq: 22 Dec 2018 13:23

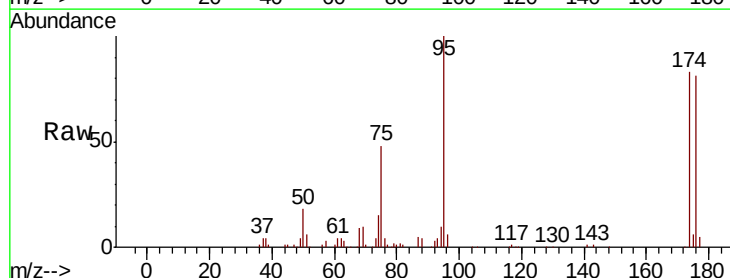
Tgt Ion: 75 Resp: 37271

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

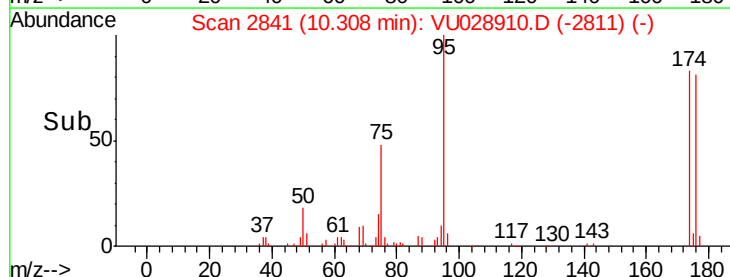
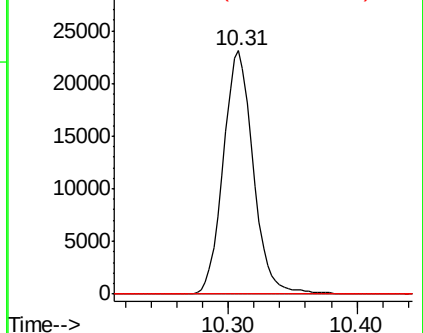
89 0.0 0.0 0.0

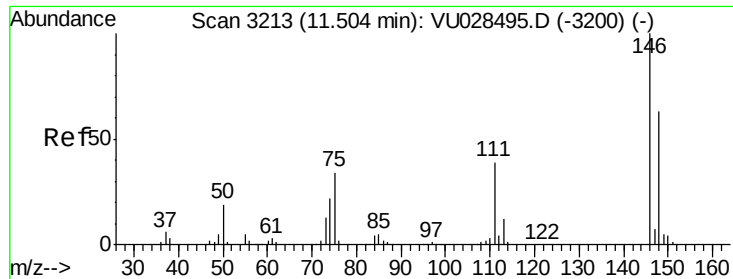


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

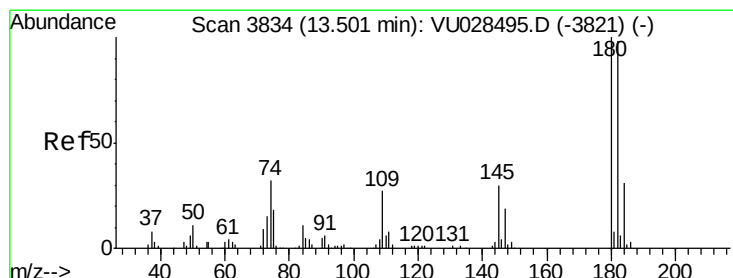
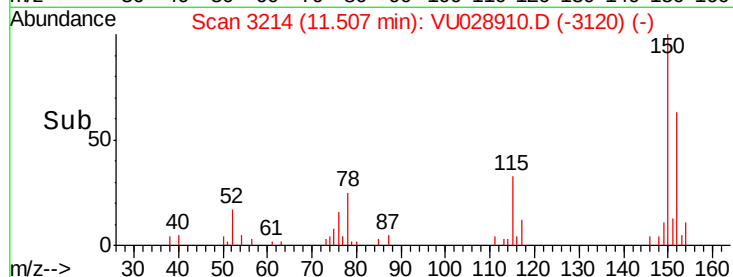
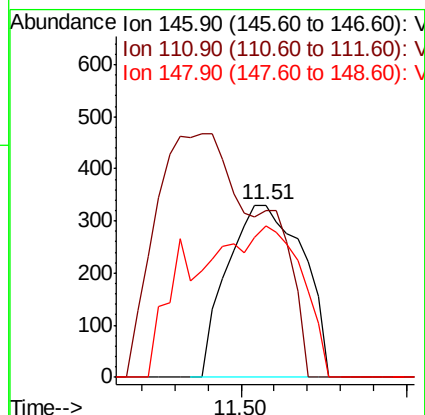
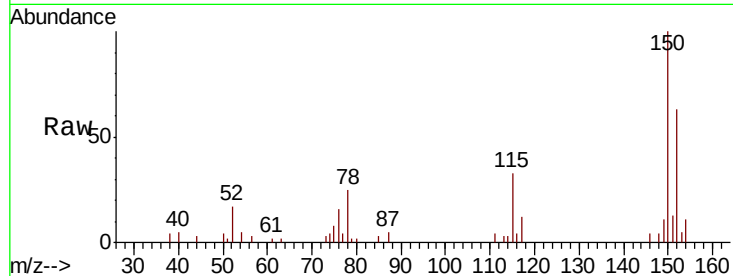




#88
 1,4-Dichlorobenzene
 Concen: 0.216 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028910.D
 Acq: 22 Dec 2018 13:23

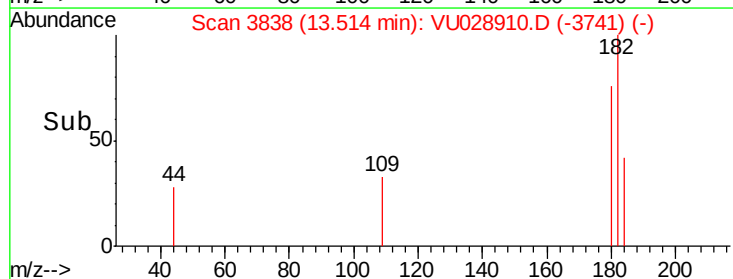
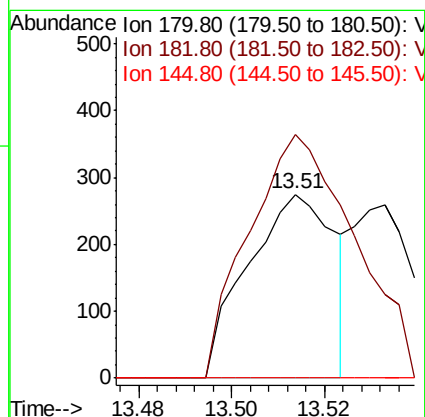
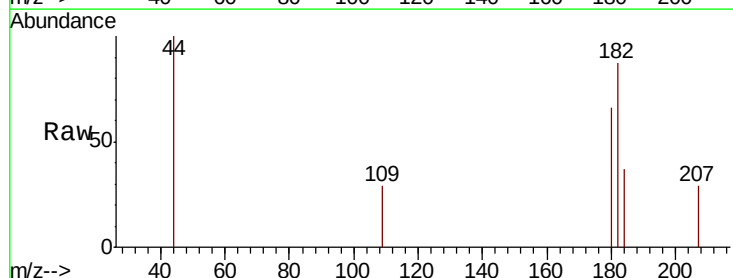
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1222MBL01

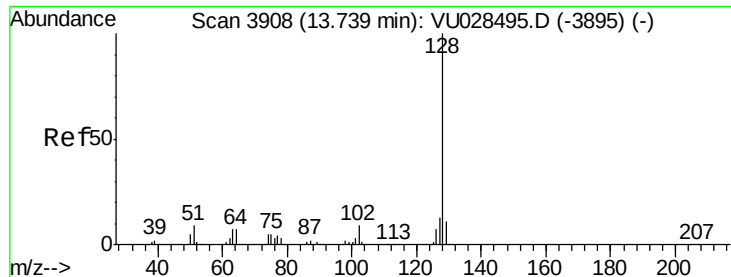
Tgt Ion:146 Resp: 527
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.2 60.5#
 148 93.7 31.6 95.0



#93
 1,2,4-Trichlorobenzene
 Concen: 1.060 ug/l
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU028910.D
 Acq: 22 Dec 2018 13:23

Tgt Ion:180 Resp: 357
 Ion Ratio Lower Upper
 180 100
 182 161.6 47.9 143.8#
 145 0.0 15.0 45.1#

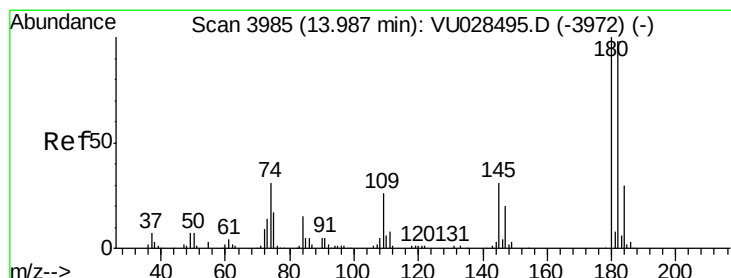
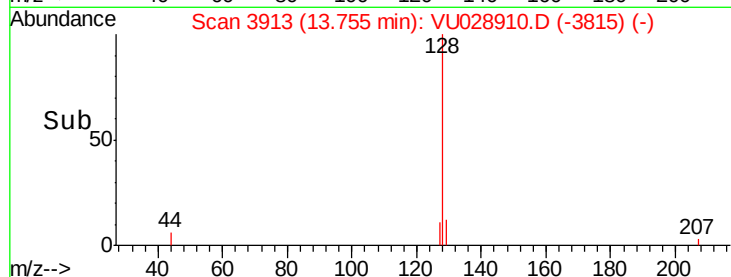
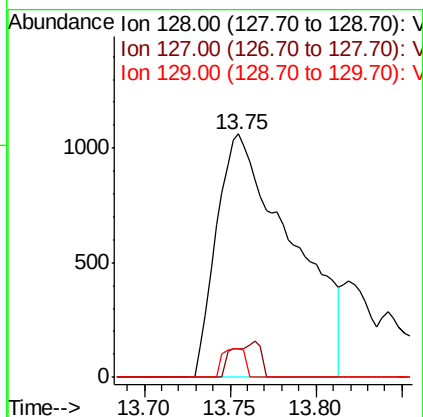
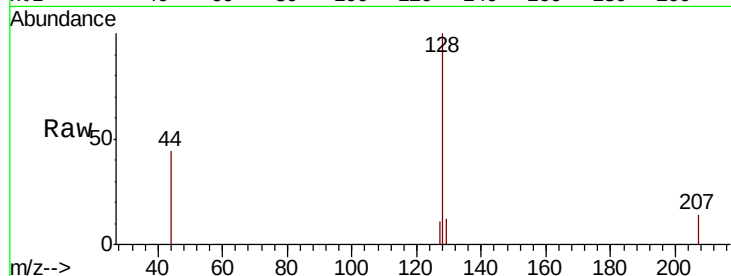




#95
Naphthalene
Concen: 0.571 ug/l
RT: 13.75 min Scan# 3913
Delta R.T. 0.02 min
Lab File: VU028910.D
Acq: 22 Dec 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU1222MBL01

Tgt Ion:128 Resp: 3239
Ion Ratio Lower Upper
128 100
127 5.5 10.4 15.6#
129 3.5 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.683 ug/l
RT: 14.00 min Scan# 3988
Delta R.T. 0.01 min
Lab File: VU028910.D
Acq: 22 Dec 2018 13:23

Tgt Ion:180 Resp: 870
Ion Ratio Lower Upper
180 100
182 74.1 48.2 144.6
145 18.0 15.8 47.3

