

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029163.D
 Acq On : 14 Jan 2019 14:12
 Operator : JC/SP
 Sample : K1137-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 14 22:47:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	110559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	190288	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70412	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	74084	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
35) Dibromofluoromethane	4.88	113	65707	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
50) Toluene-d8	7.56	98	244089	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	10.30	95	75851	43.34	ug/l	0.00
Spiked Amount			Recovery	=	86.68%	

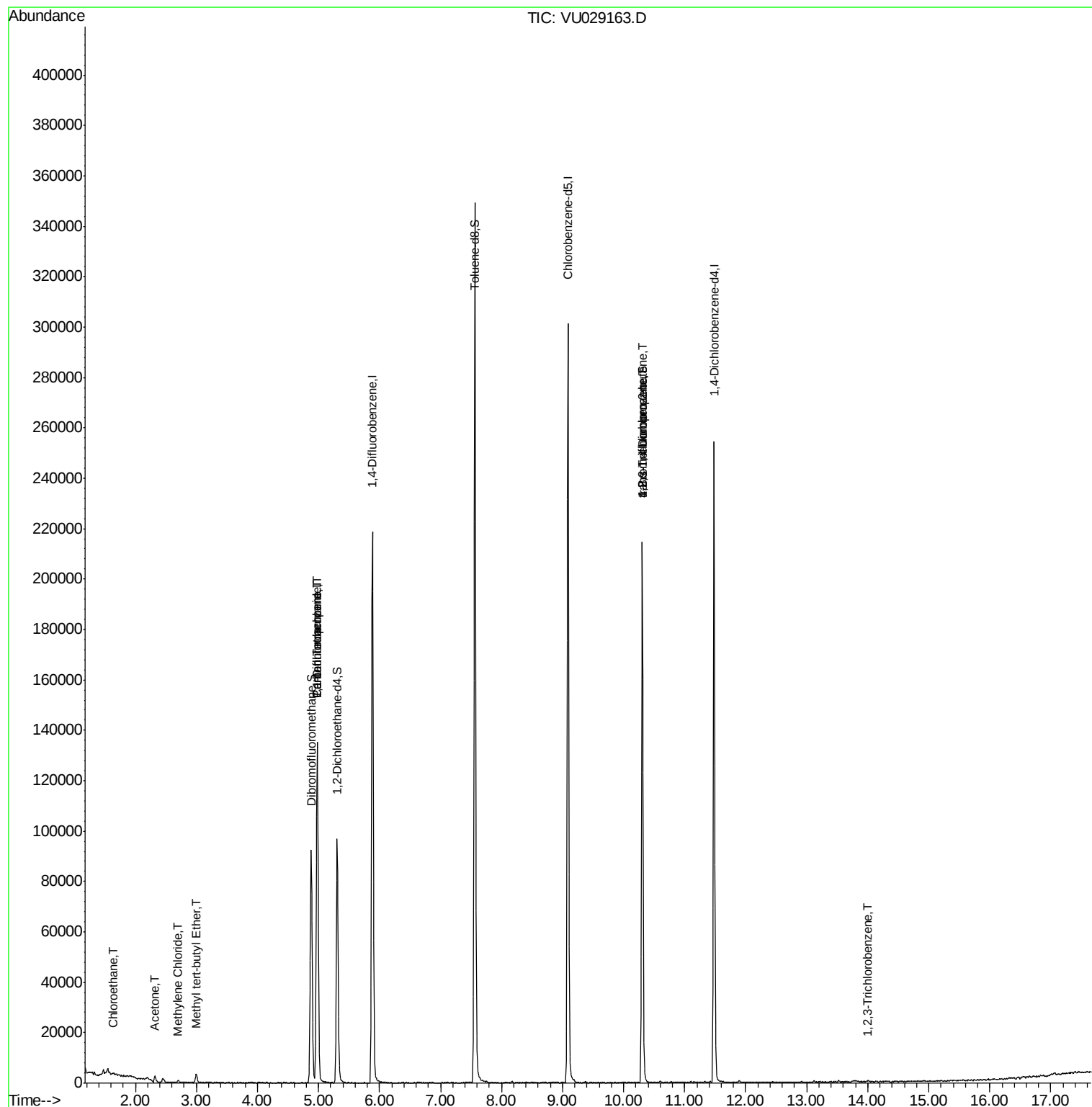
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	850	Below Cal		98
5) Bromomethane	1.62	94	72	Below Cal	#	2
6) Chloroethane	1.65	64	239	0.248	ug/l #	43
16) Acetone	2.32	43	3043	3.534	ug/l	92
17) Carbon Disulfide	2.48	76	753	Below Cal	#	75
19) Methyl tert-butyl Ether	3.00	73	4074	1.011	ug/l	97
20) Methylene Chloride	2.70	84	448	0.306	ug/l #	77
31) Cyclohexane	4.98	56	1964	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7752	4.076	ug/l #	43
38) Carbon Tetrachloride	4.98	117	9549	6.019	ug/l #	17
76) 1,2,3-Trichloropropane	10.30	75	35470	20.560	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	35470	53.025	ug/l #	100
96) 1,2,3-Trichlorobenzene	14.00	180	424	1.028	ug/l #	73

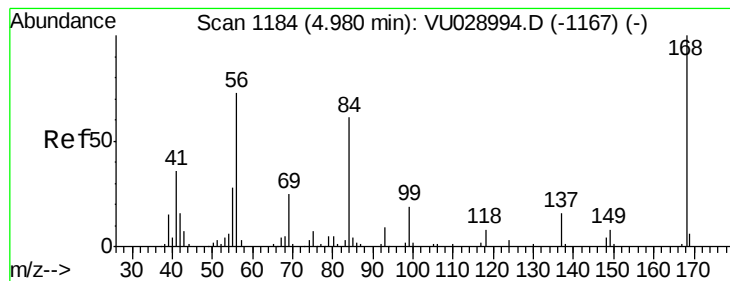
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU029163.D

Acq: 14 Jan 2019 14:12

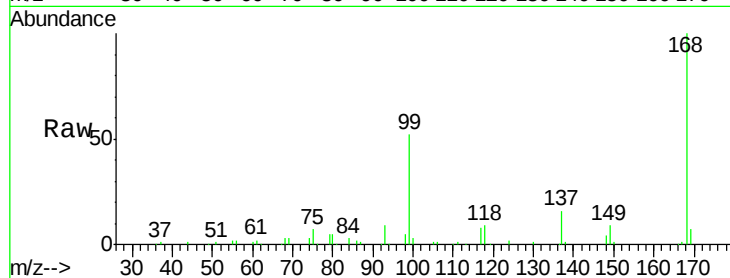
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 110559

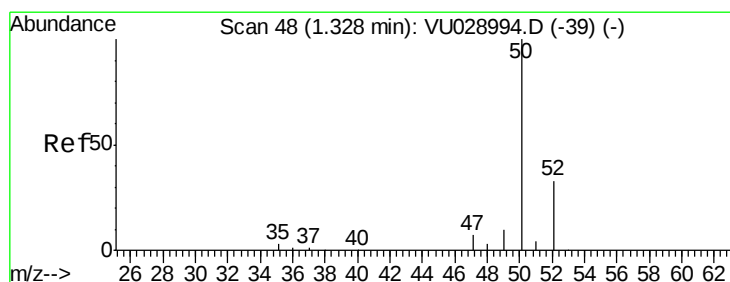
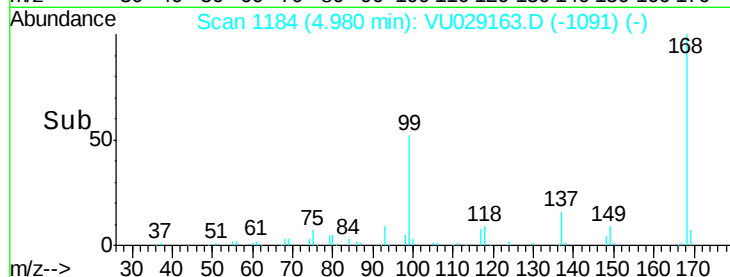
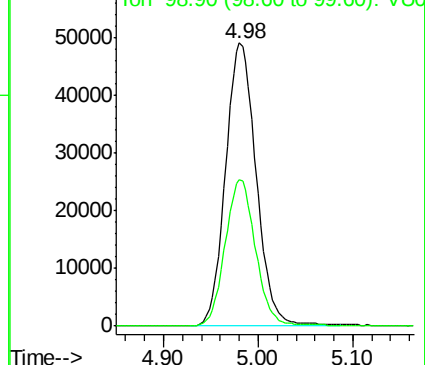
Ion Ratio Lower Upper

168 100

99 52.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029163.D

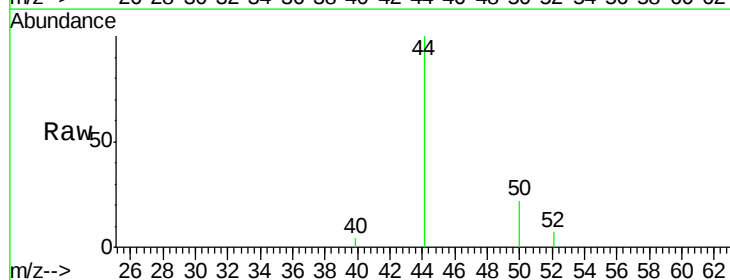
Acq: 14 Jan 2019 14:12

Tgt Ion: 50 Resp: 850

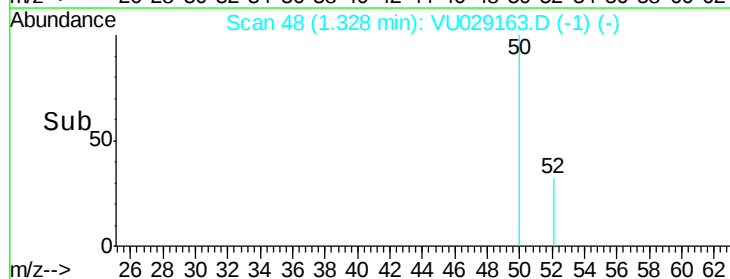
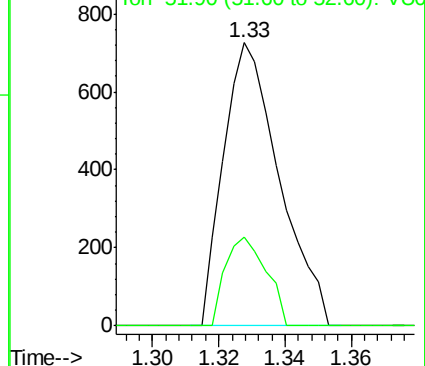
Ion Ratio Lower Upper

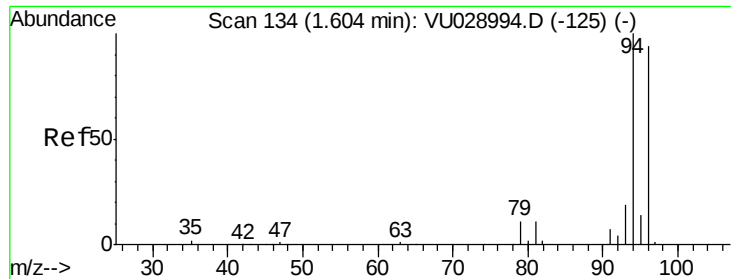
50 100

52 31.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU028994.D (-39) (-)





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 140

Delta R.T. 0.02 min

Lab File: VU029163.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_U

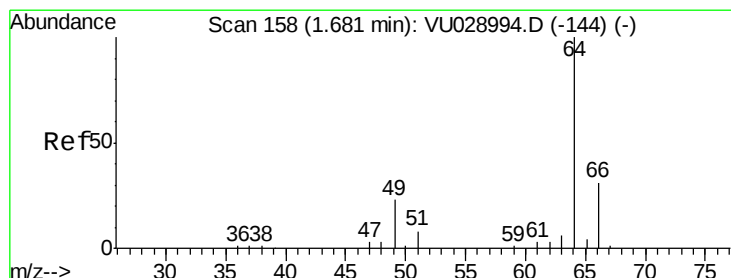
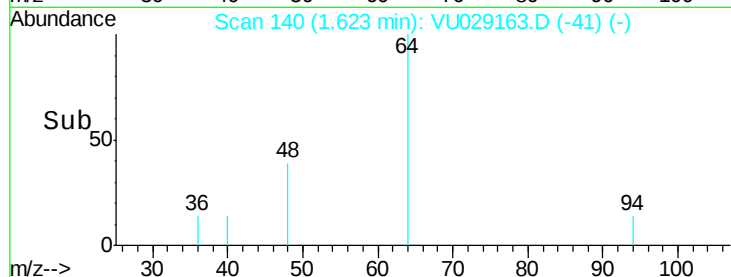
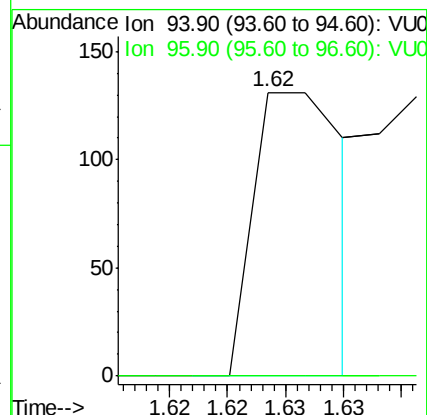
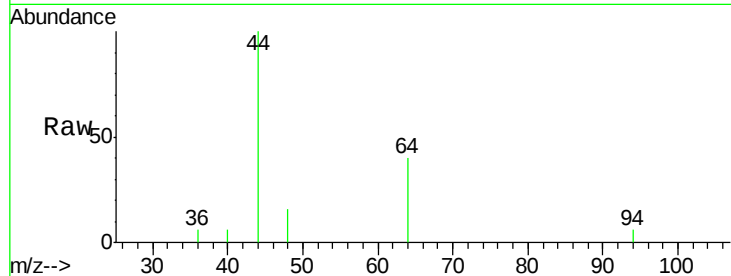
ClientSampleId :

Tot Ion: 94 Resp: 72

Ion Ratio Lower Upper

94 100

96 0.0 75.5 113.3#



#6

Chloroethane

Concen: 0.248 ug/l

RT: 1.65 min Scan# 149

Delta R.T. -0.03 min

Lab File: VU029163.D

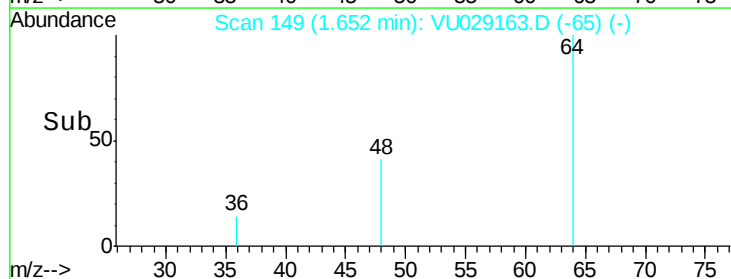
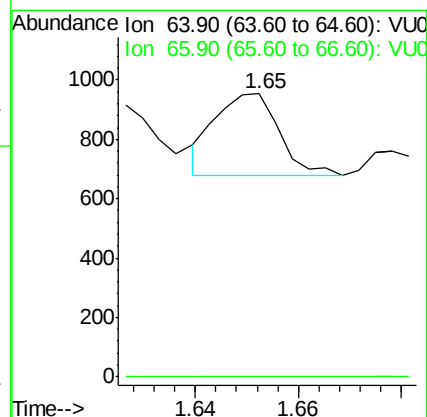
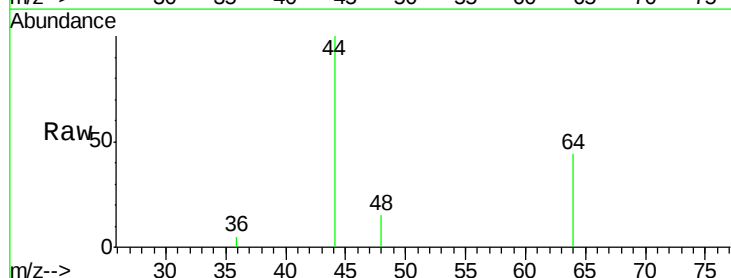
Acq: 14 Jan 2019 14:12

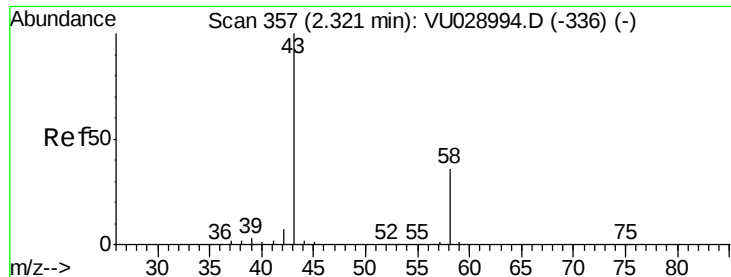
Tgt Ion: 64 Resp: 239

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#





#16

Acetone

Concen: 3.534 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029163.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_U

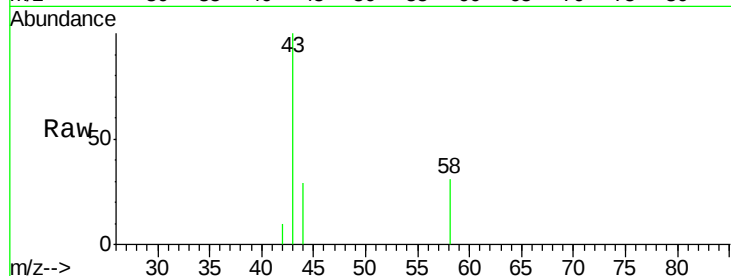
ClientSampleId :

Tot Ion: 43 Resp: 3043

Ion Ratio Lower Upper

43 100

58 31.3 28.6 42.8

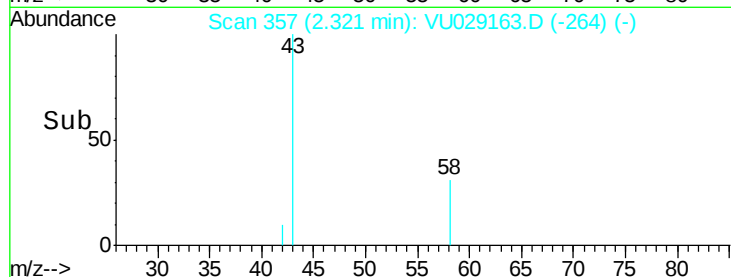


Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-336) (-)

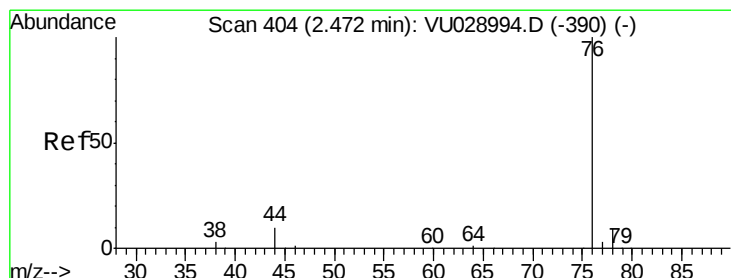
Ion 58.00 (57.70 to 58.70): VU028994.D (-336) (-)

2.32

2.30 2.35



Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029163.D

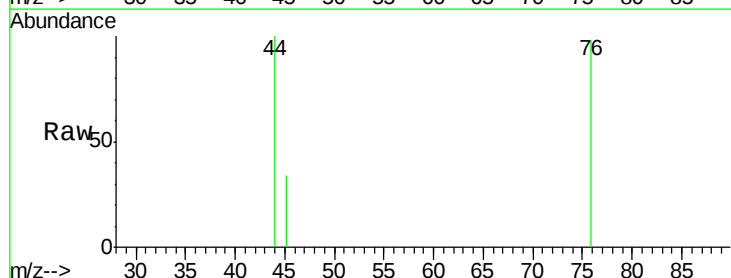
Acq: 14 Jan 2019 14:12

Tgt Ion: 76 Resp: 753

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

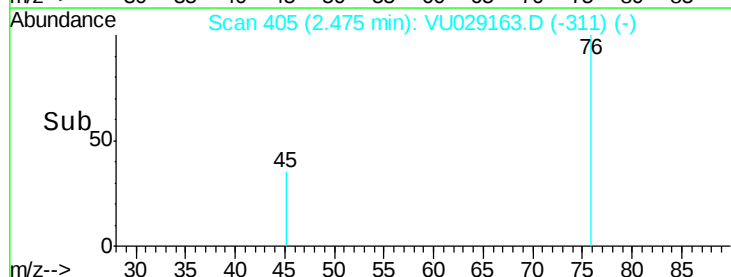


Abundance Ion 75.90 (75.60 to 76.60): VU028994.D (-390) (-)

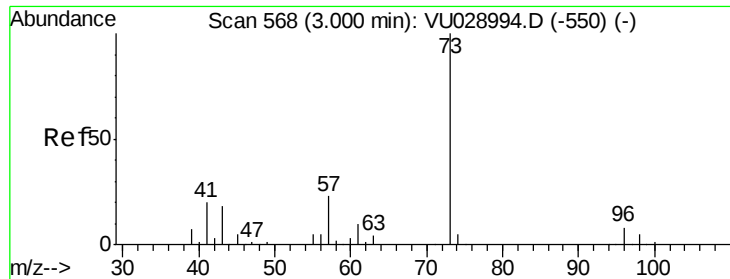
Ion 77.90 (77.60 to 78.60): VU028994.D (-390) (-)

2.48

2.44 2.46 2.48 2.50



Time-->

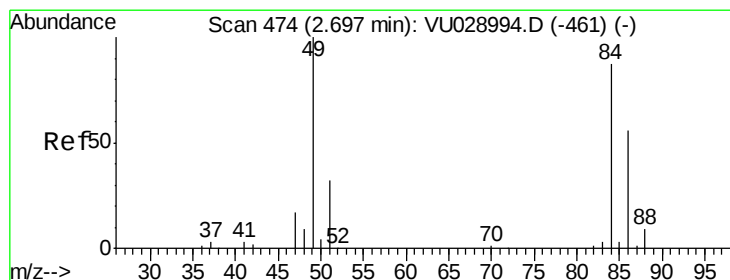
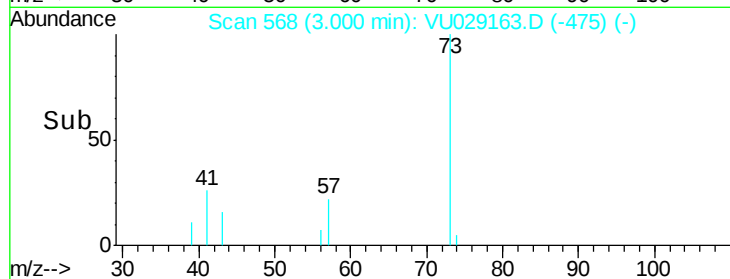
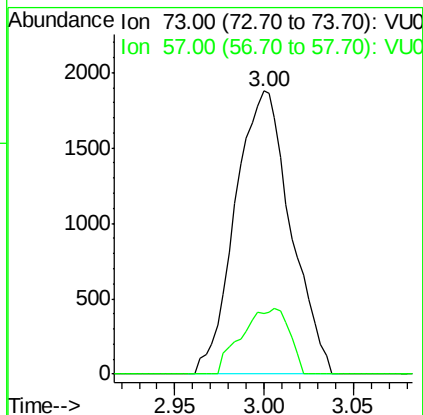
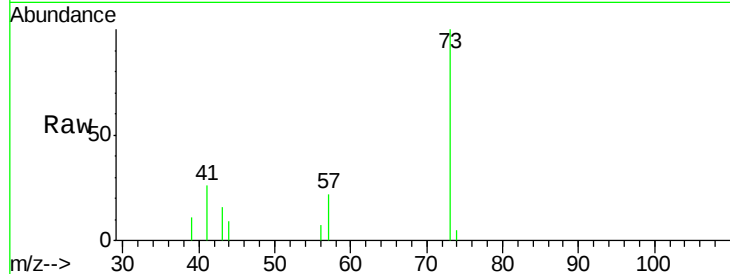


#19

Methyl tert-butyl Ether
 Concen: 1.011 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU029163.D
 Acq: 14 Jan 2019 14:12

Instrument :
 MSVOA_U
 ClientSampled :

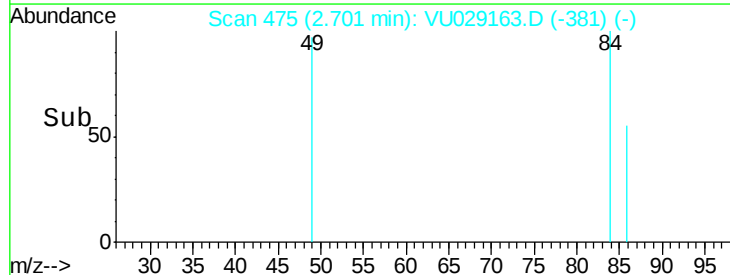
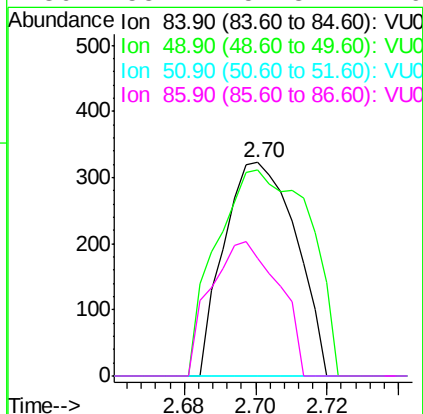
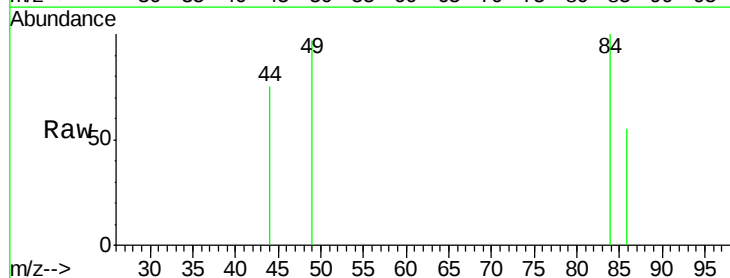
Tot Ion: 73 Resp: 4074
 Ion Ratio Lower Upper
 73 100
 57 21.6 18.6 28.0

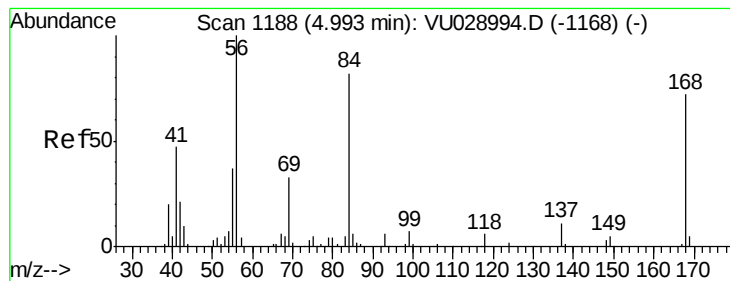


#20

Methylene Chloride
 Concen: 0.306 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU029163.D
 Acq: 14 Jan 2019 14:12

Tgt Ion: 84 Resp: 448
 Ion Ratio Lower Upper
 84 100
 49 96.6 91.9 137.9
 51 0.0 29.2 43.8#
 86 55.1 51.8 77.6





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.01 min

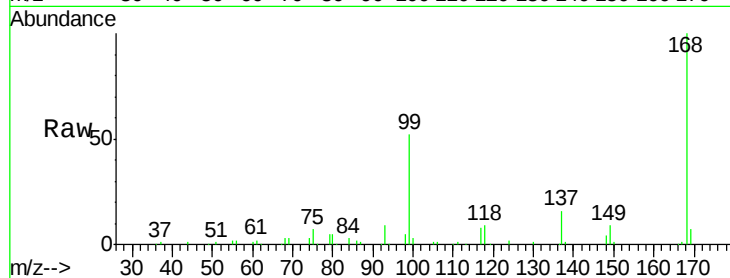
Lab File: VU029163.D

Acq: 14 Jan 2019 14:12

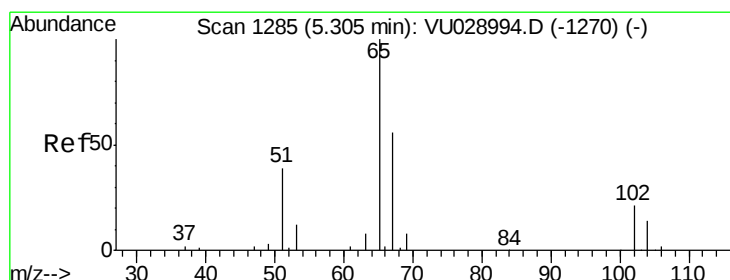
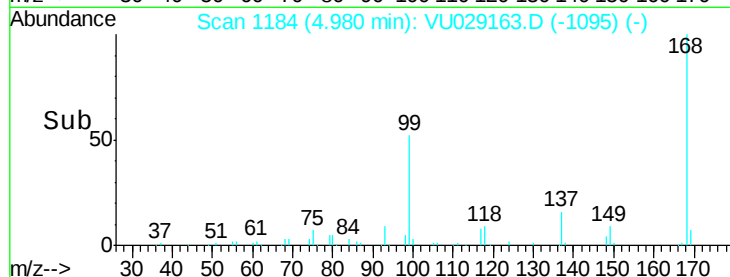
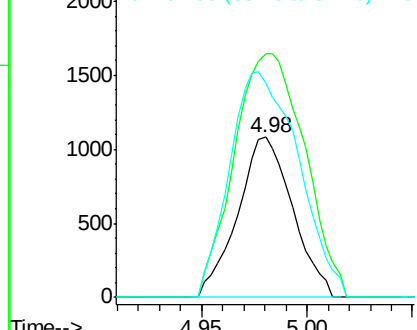
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 1964

Ion	Ratio	Lower	Upper
56	100		
69	151.8	26.7	40.1#
84	133.6	65.7	98.5#



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



#33

1,2-Dichloroethane-d4

Concen: 54.205 ug/l

RT: 5.31 min Scan# 1286

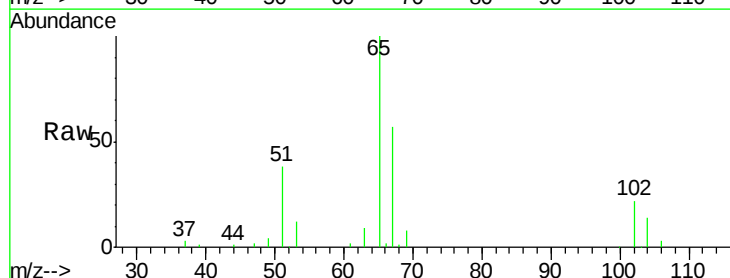
Delta R.T. 0.00 min

Lab File: VU029163.D

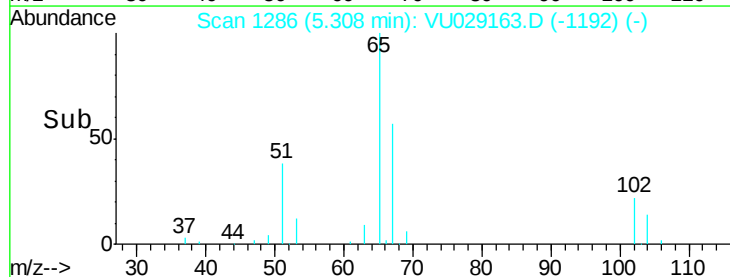
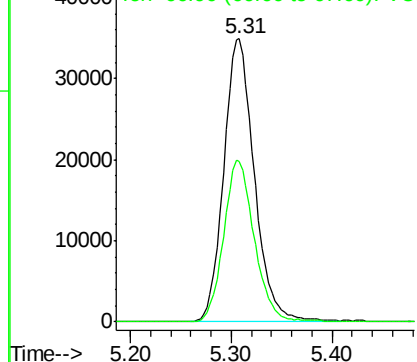
Acq: 14 Jan 2019 14:12

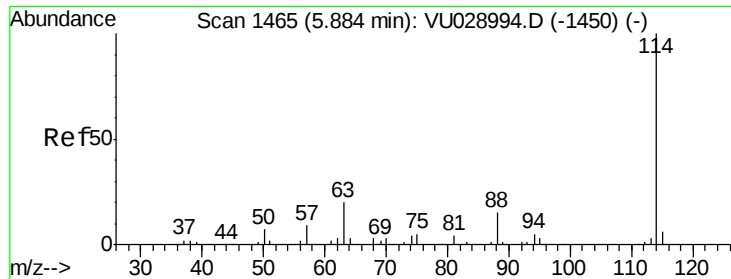
Tgt Ion: 65 Resp: 74084

Ion	Ratio	Lower	Upper
65	100		
67	57.1	0.0	111.0



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

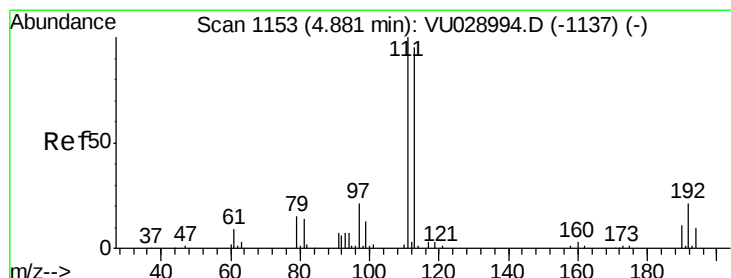
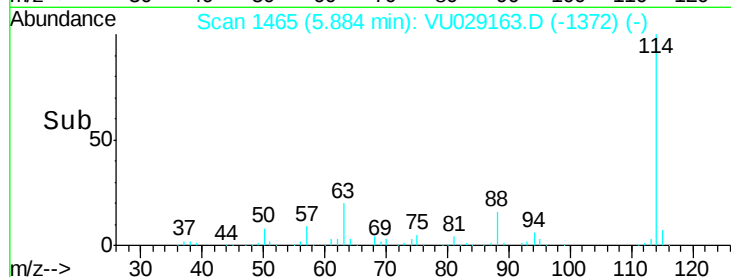
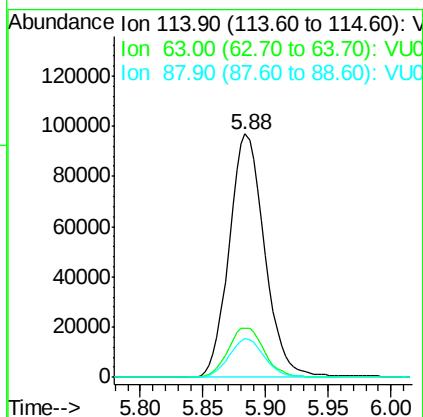
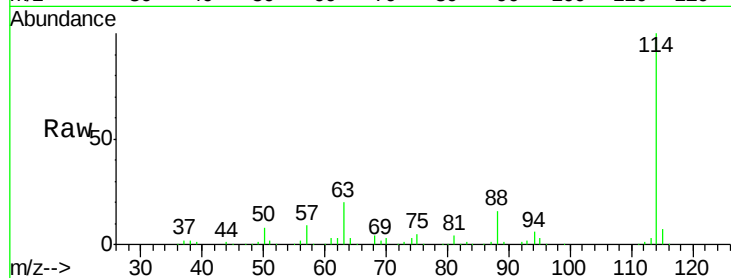




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU029163.D
 Acq: 14 Jan 2019 14:12

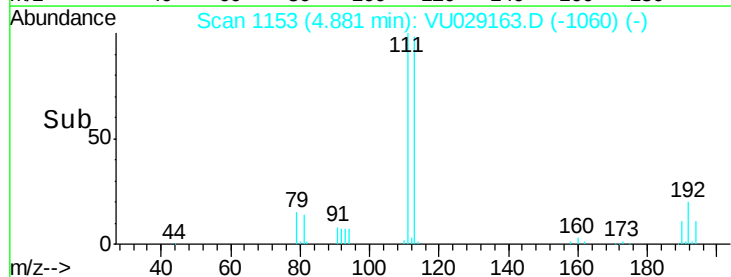
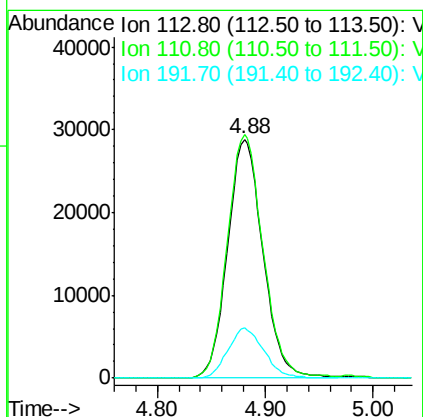
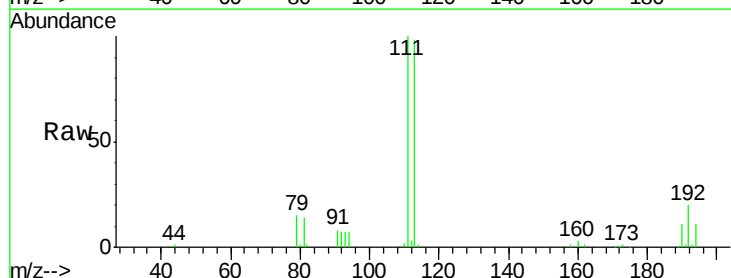
Instrument :
 MSVOA_U
 ClientSampleId :

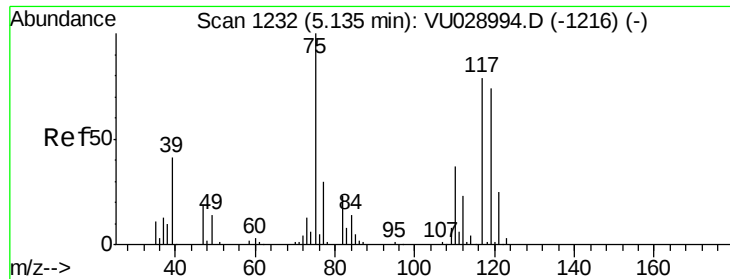
Tot Ion:114 Resp: 190288
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.2
 88 15.9 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 53.269 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU029163.D
 Acq: 14 Jan 2019 14:12

Tgt Ion:113 Resp: 65707
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.4 122.2
 192 21.2 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.076 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU029163.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

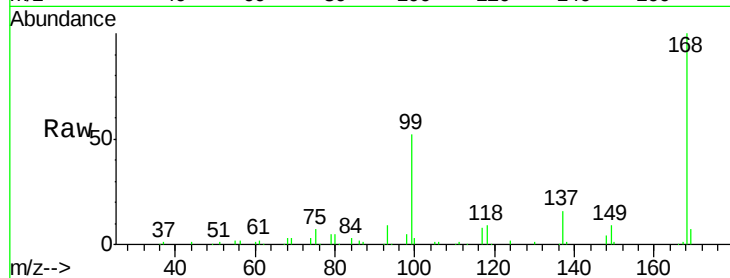
Tot Ion: 75 Resp: 7752

Ion Ratio Lower Upper

75 100

110 3.1 18.4 55.4#

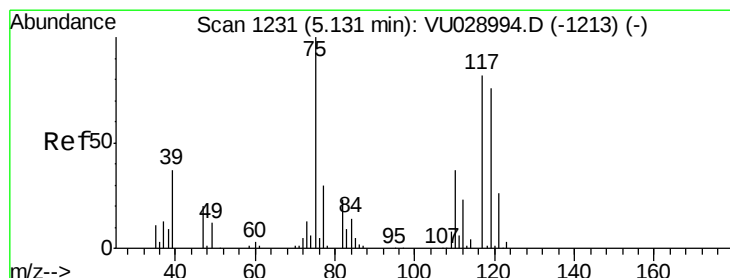
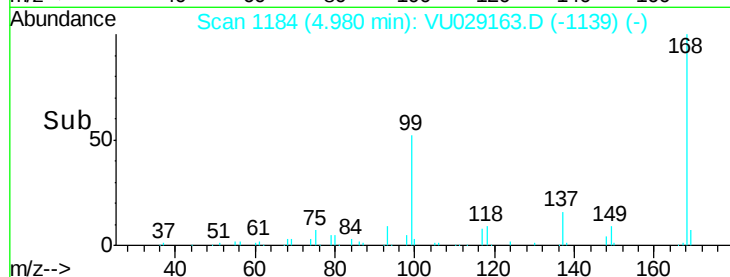
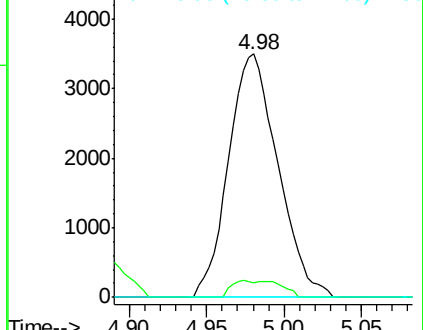
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VU028994.D (-1216) (-)

Ion 109.90 (109.60 to 110.60): VU028994.D (-1216) (-)

Ion 76.90 (76.60 to 77.60): VU028994.D (-1216) (-)



#38

Carbon Tetrachloride

Concen: 6.019 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU029163.D

Acq: 14 Jan 2019 14:12

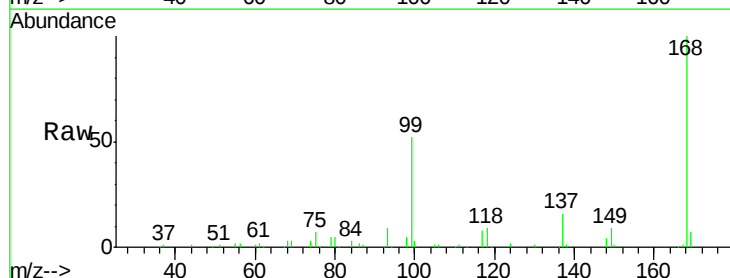
Tgt Ion: 117 Resp: 9549

Ion Ratio Lower Upper

117 100

119 4.7 74.6 111.8#

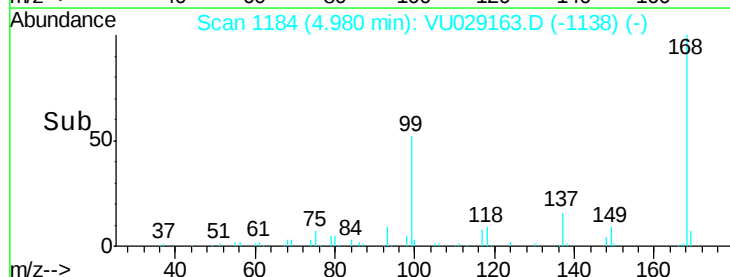
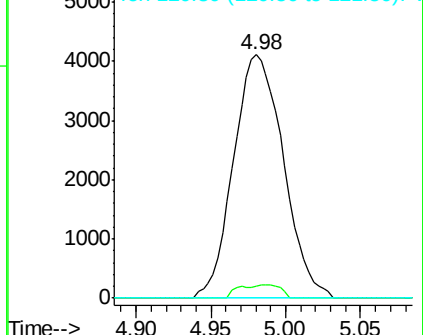
121 0.0 25.0 37.6#

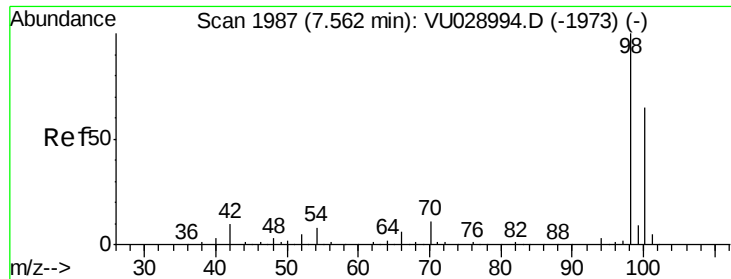


Abundance Ion 116.80 (116.50 to 117.50): VU028994.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU028994.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU028994.D (-1213) (-)

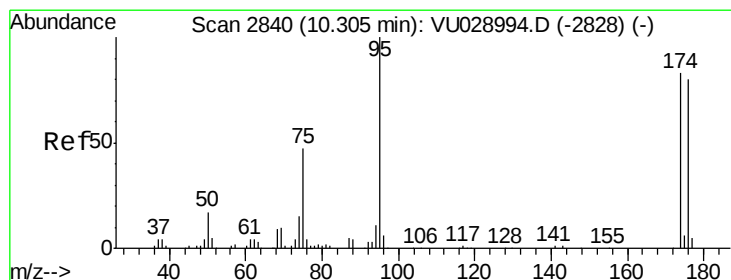
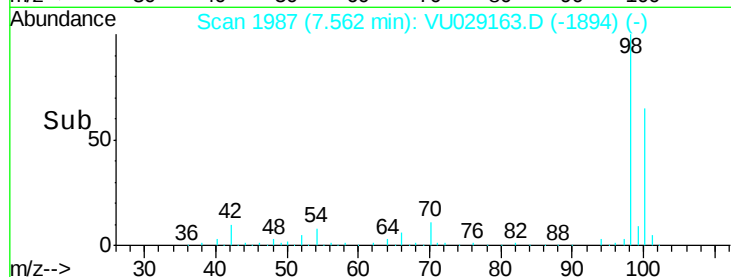
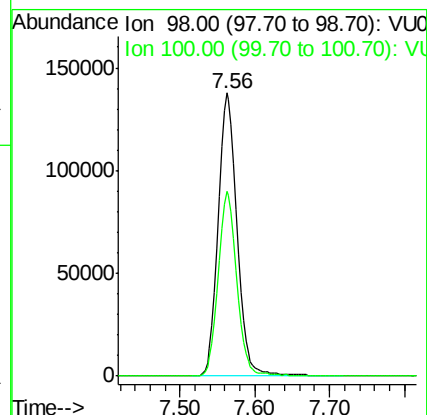
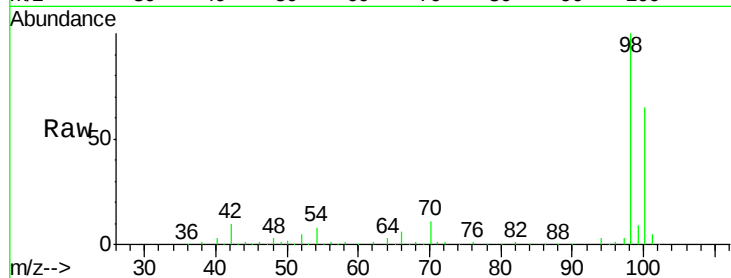




#50
Toluene-d8
Concen: 50.124 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU029163.D
Acq: 14 Jan 2019 14:12

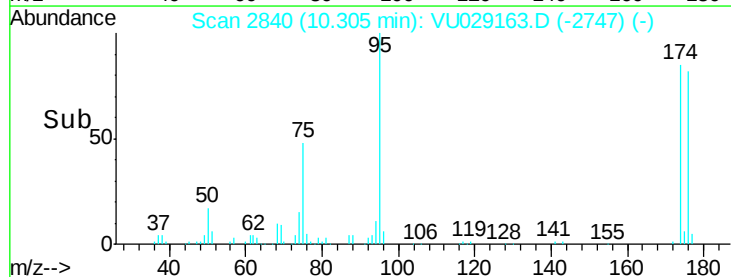
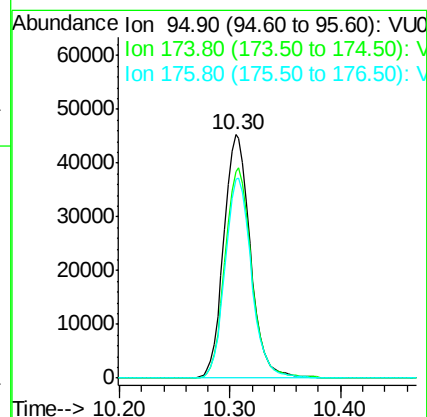
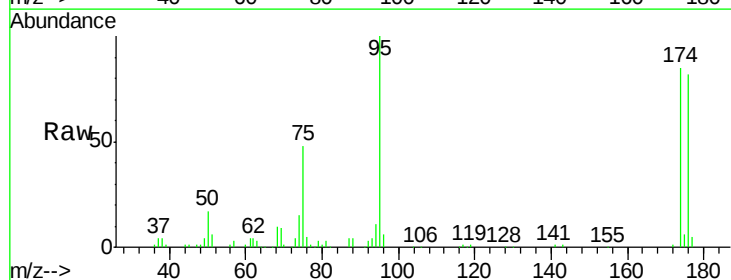
Instrument :
MSVOA_U
ClientSampled :

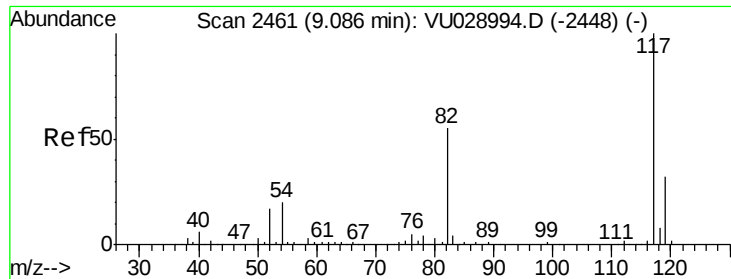
Tot Ion: 98 Resp: 244089
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 43.341 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU029163.D
Acq: 14 Jan 2019 14:12

Tgt Ion: 95 Resp: 75851
Ion Ratio Lower Upper
95 100
174 86.1 0.0 170.6
176 81.7 0.0 165.0

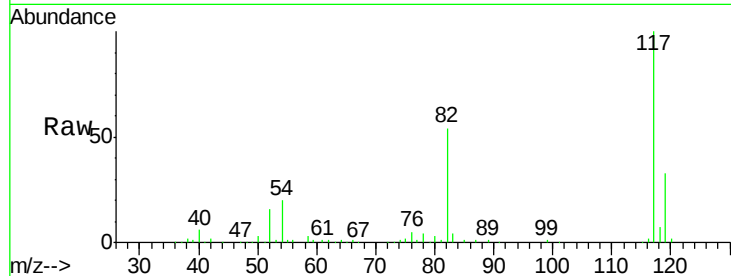




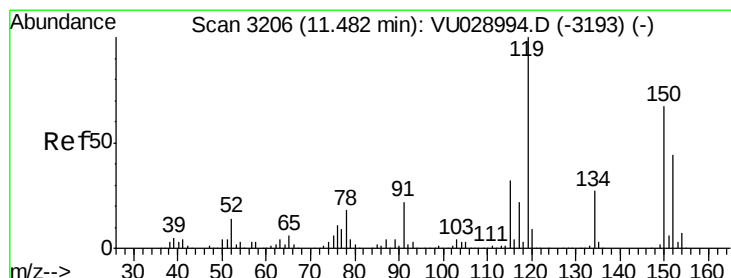
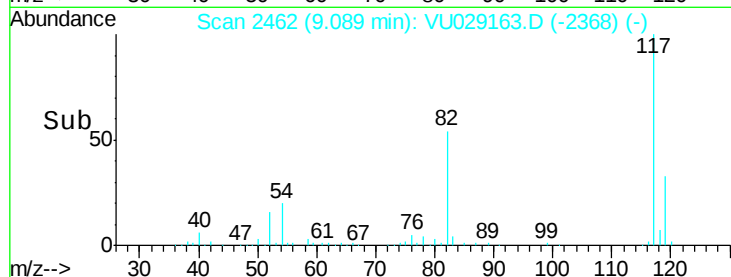
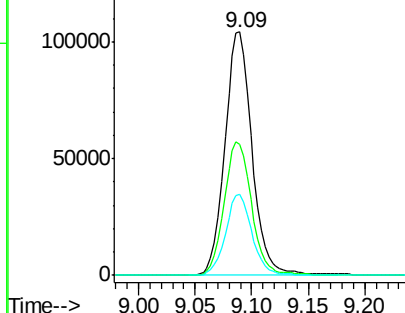
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029163.D
Acq: 14 Jan 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 174871
Ion Ratio Lower Upper
117 100
82 54.1 43.9 65.9
119 33.1 26.0 39.0

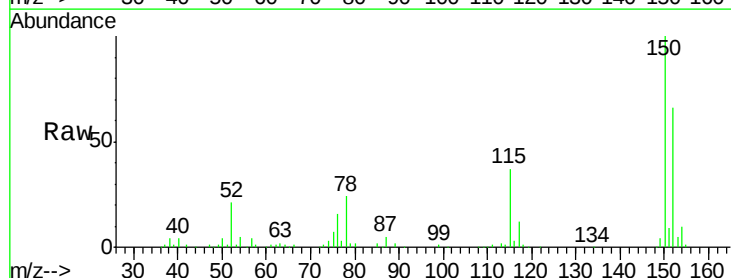


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

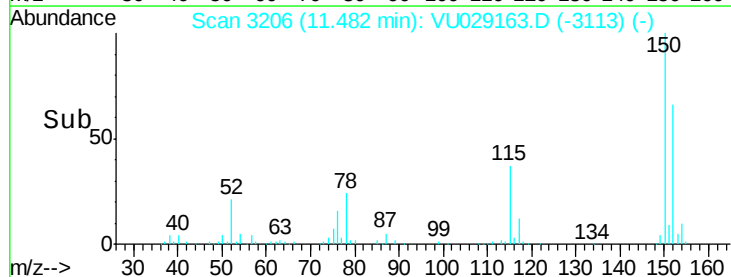
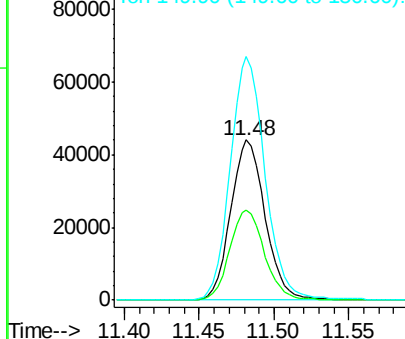


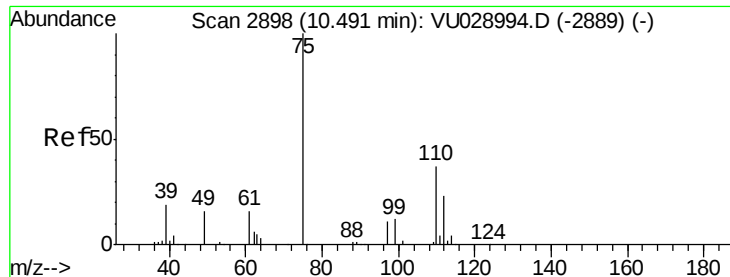
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU029163.D
Acq: 14 Jan 2019 14:12

Tgt Ion:152 Resp: 70412
Ion Ratio Lower Upper
152 100
115 57.0 40.1 120.3
150 154.2 0.0 345.2



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

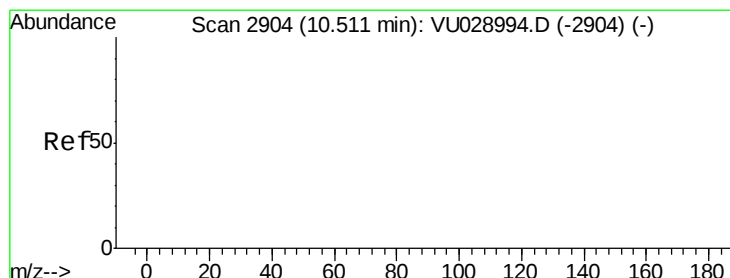
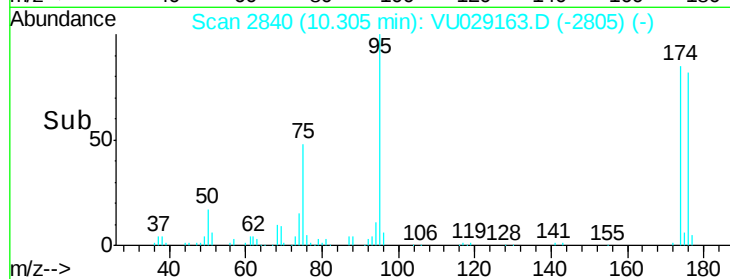
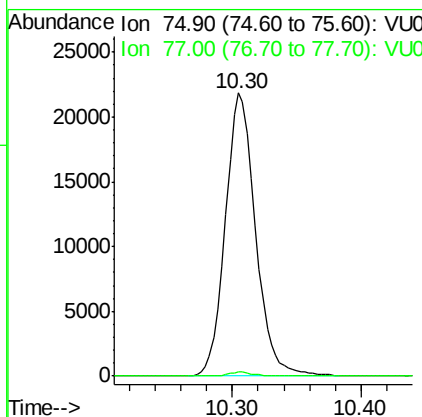
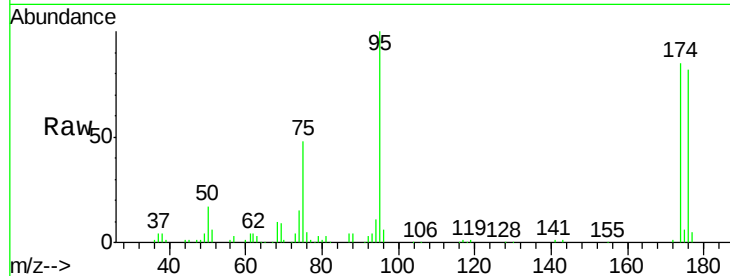




#76
 1,2,3-Trichloropropane
 Concen: 20.560 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU029163.D
 Acq: 14 Jan 2019 14:12

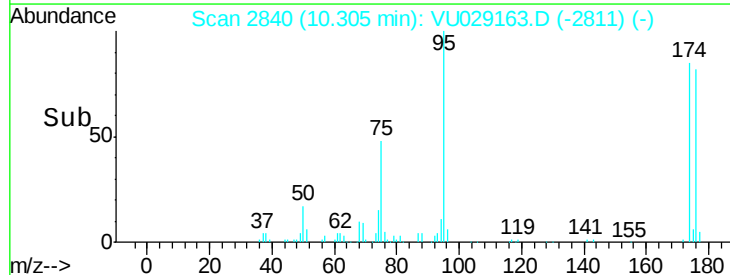
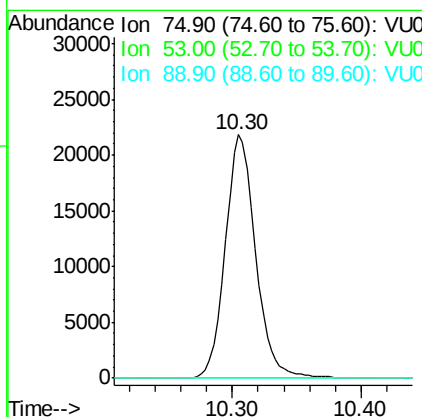
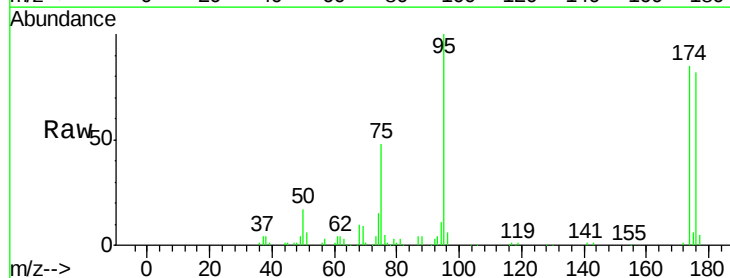
Instrument :
 MSVOA_U
 ClientSampleId :

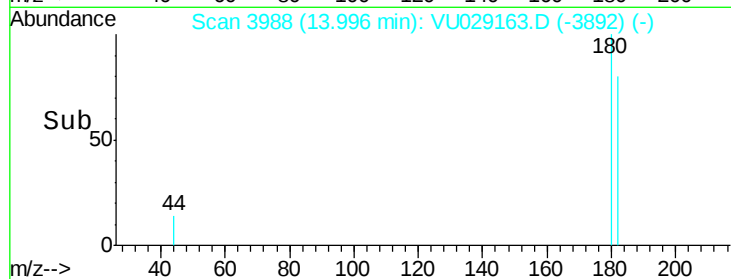
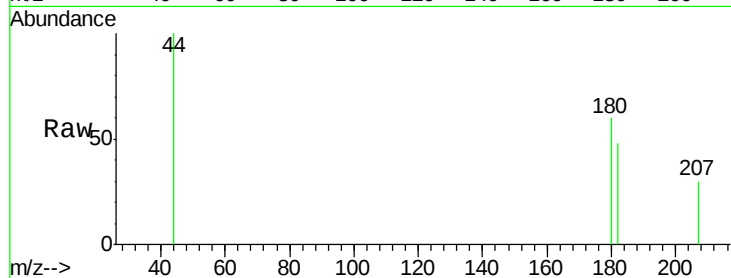
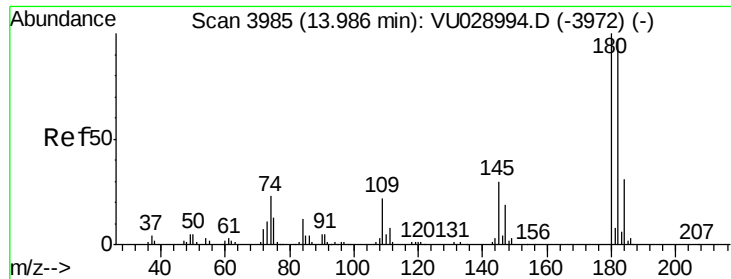
Tot Ion: 75 Resp: 35470
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.025 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.21 min
 Lab File: VU029163.D
 Acq: 14 Jan 2019 14:12

Tgt Ion: 75 Resp: 35470
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#96

1,2,3-Trichlorobenzene

Concen: 1.028 ug/l

RT: 14.00 min Scan# 3988

Delta R.T. 0.01 min

Lab File: VU029163.D

Acq: 14 Jan 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:180 Resp: 424

Ion Ratio Lower Upper

180 100

182 114.2 48.1 144.3

145 0.0 14.8 44.4#

