

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029031.D
 Acq On : 04 Jan 2019 16:41
 Operator : MD/SY
 Sample : K1054-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RW-6

Quant Time: Jan 05 03:47:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	114410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	199764	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	182280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72135	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	76463	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	
35) Dibromofluoromethane	4.88	113	67171	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
50) Toluene-d8	7.56	98	248556	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	10.31	95	78785	42.88	ug/l	0.00
Spiked Amount			Recovery	=	85.76%	

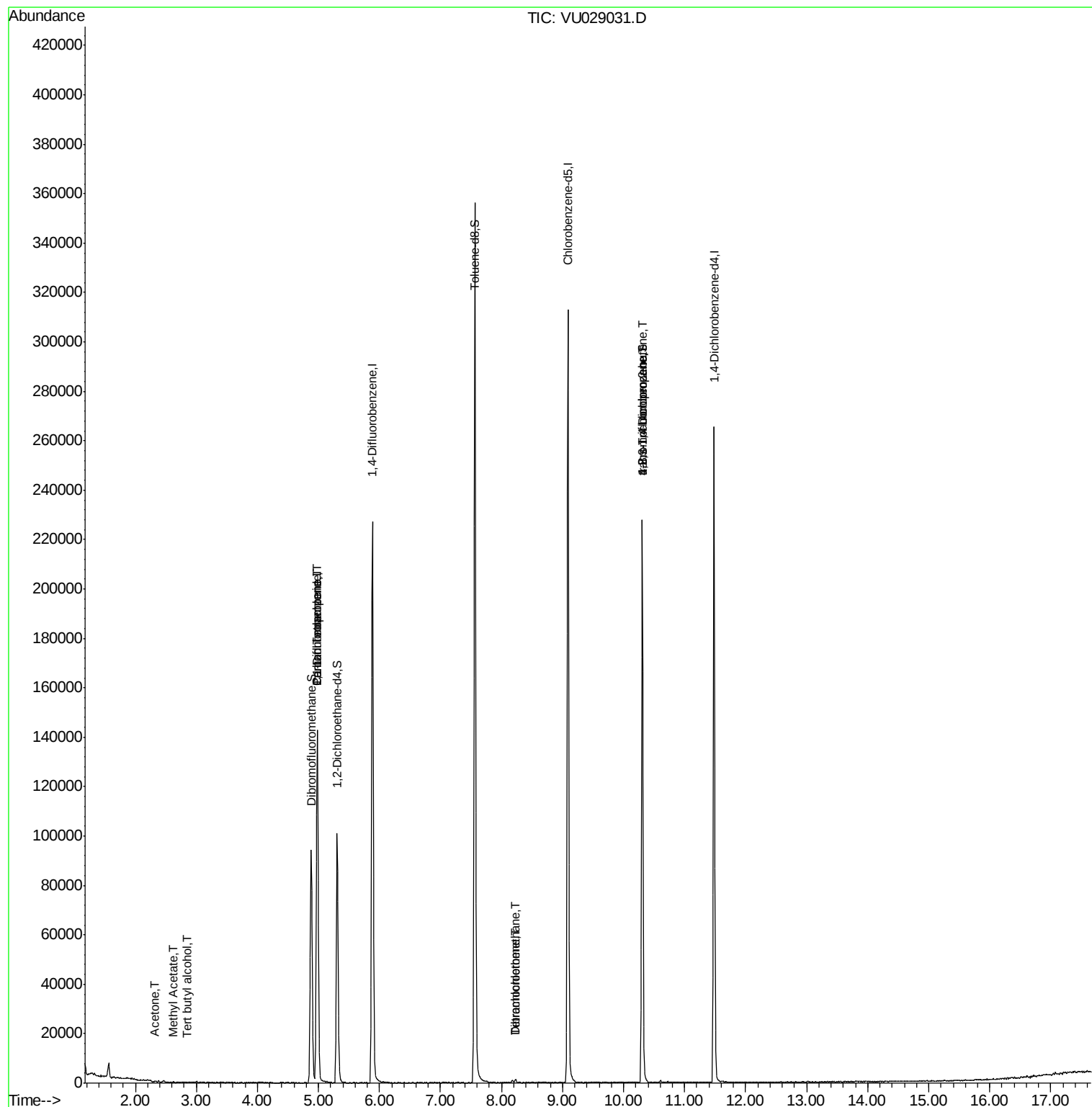
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	917	Below Cal		93
5) Bromomethane	1.57	94	72	Below Cal	#	2
11) Tert butyl alcohol	2.83	59	111	0.309	ug/l #	73
16) Acetone	2.32	43	651	0.731	ug/l	98
17) Carbon Disulfide	2.47	76	464	Below Cal	#	75
18) Methyl Acetate	2.62	43	452	0.218	ug/l #	51
31) Cyclohexane	4.98	56	1927	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8698	4.356	ug/l #	46
38) Carbon Tetrachloride	4.98	117	10609	6.370	ug/l #	17
60) Dibromochloromethane	8.23	129	391	0.260	ug/l #	11
64) Tetrachloroethene	8.23	164	376	0.286	ug/l	87
76) 1,2,3-Trichloropropane	10.31	75	37940	21.466	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	37940	55.363	ug/l #	100

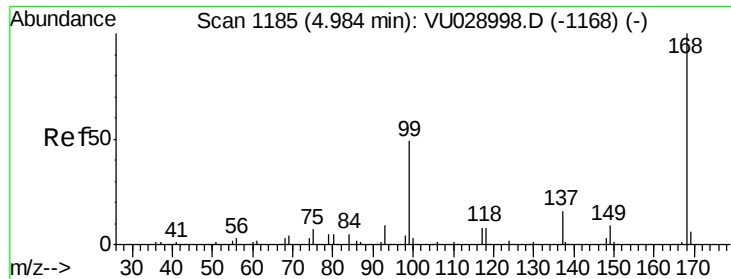
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU029031.D

Acq: 04 Jan 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

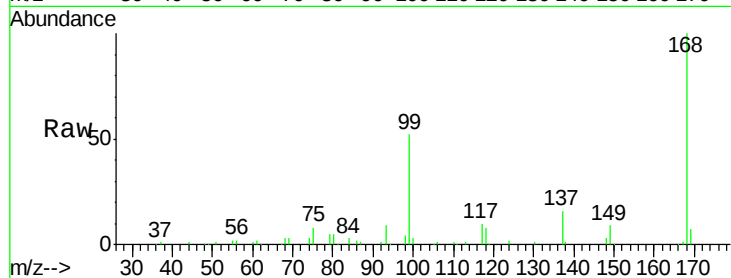
RW-6

Tot Ion:168 Resp: 114410

Ion Ratio Lower Upper

168 100

99 52.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

60000

50000

40000

30000

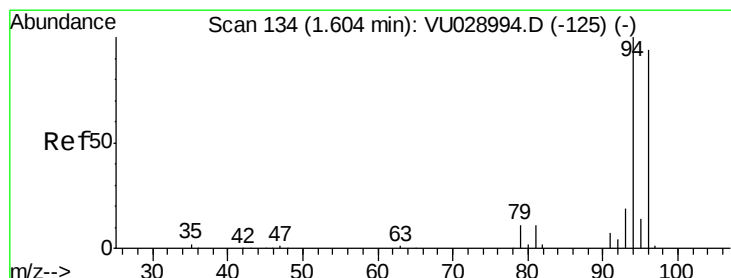
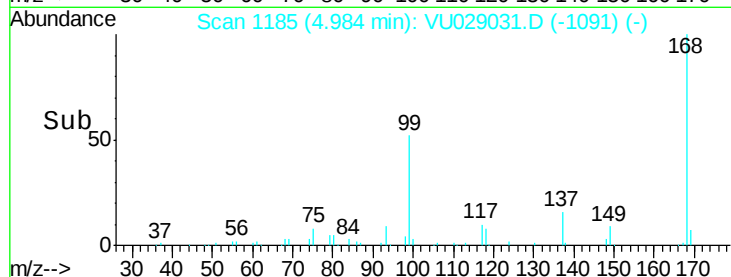
20000

10000

0

Time-->

4.90 4.95 5.00 5.05



#5

Bromomethane

Concen: Below Cal

RT: 1.57 min Scan# 124

Delta R.T. -0.03 min

Lab File: VU029031.D

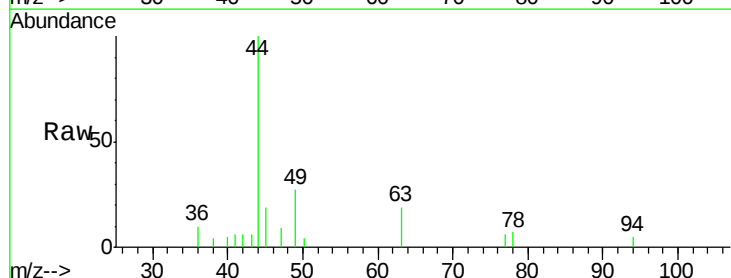
Acq: 04 Jan 2019 16:41

Tgt Ion: 94 Resp: 72

Ion Ratio Lower Upper

94 100

96 0.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VU028994.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VU028994.D (-125) (-)

1.57

150

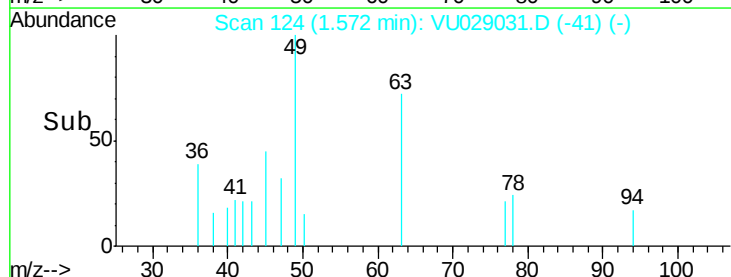
100

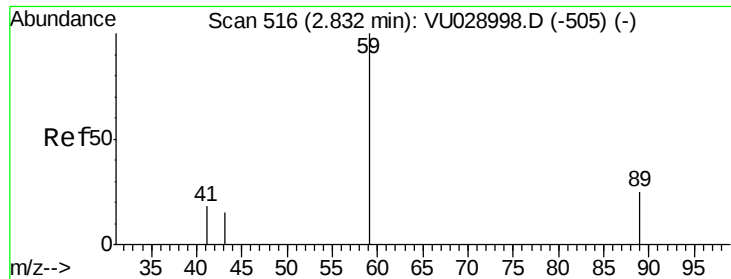
50

0

Time-->

1.56 1.57 1.58

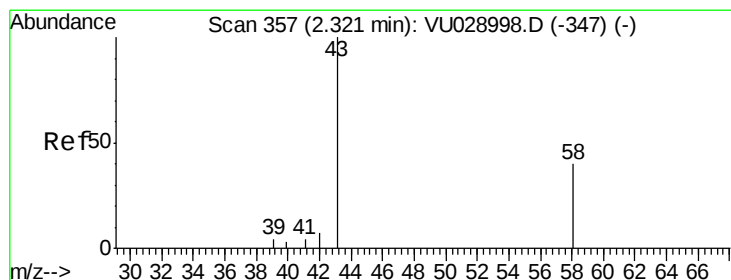
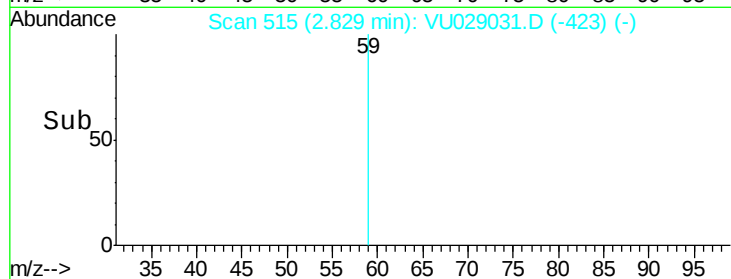
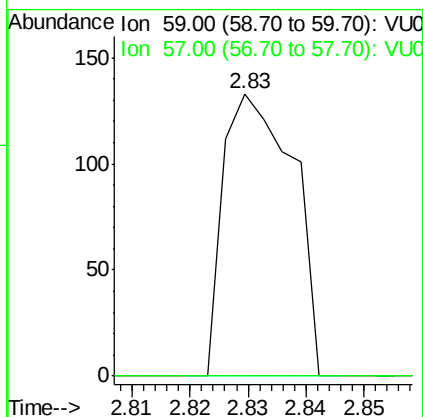
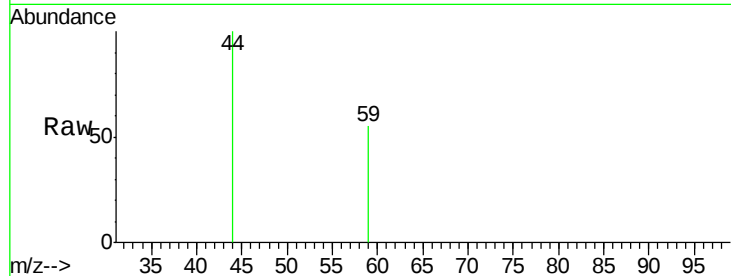




#11
Tert butyl alcohol
Concen: 0.309 ug/l
RT: 2.83 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU029031.D
Acq: 04 Jan 2019 16:41

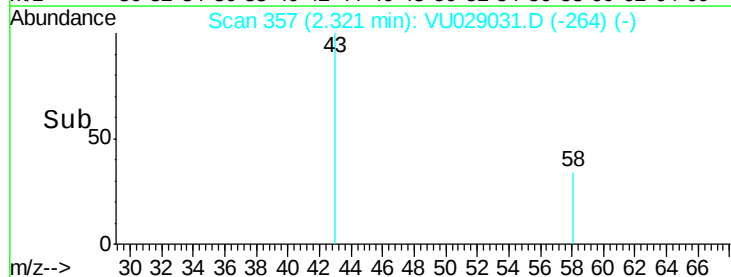
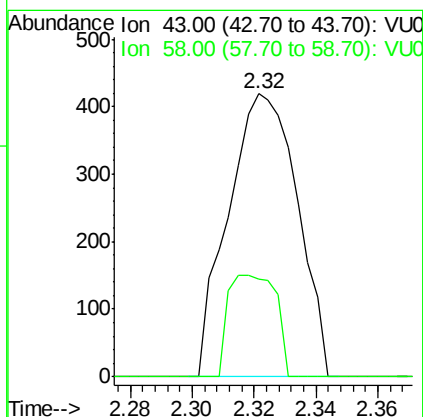
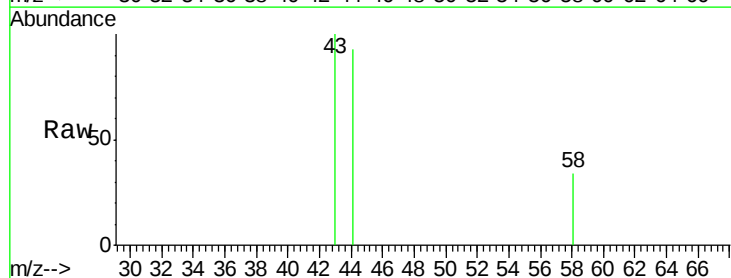
Instrument :
MSVOA_U
ClientSampled :
RW-6

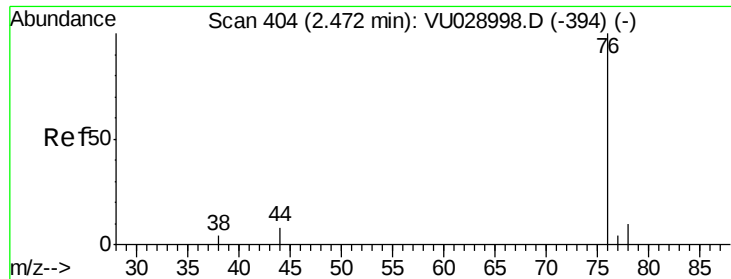
Tot Ion: 59 Resp: 111
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: 0.731 ug/l
RT: 2.32 min Scan# 357
Delta R.T. 0.00 min
Lab File: VU029031.D
Acq: 04 Jan 2019 16:41

Tgt Ion: 43 Resp: 651
Ion Ratio Lower Upper
43 100
58 34.4 28.6 42.8

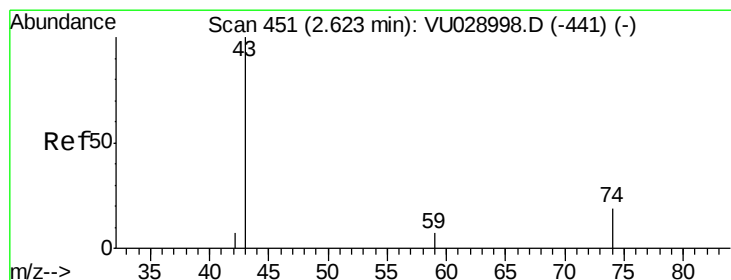
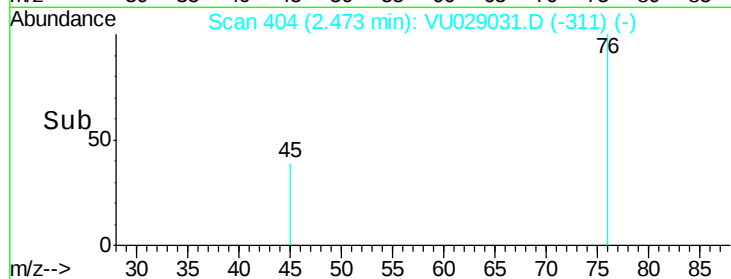
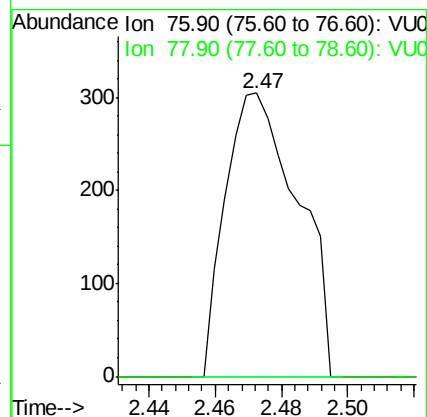
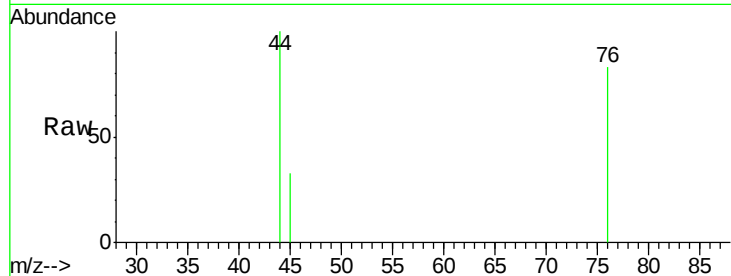




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.47 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU029031.D
Acq: 04 Jan 2019 16:41

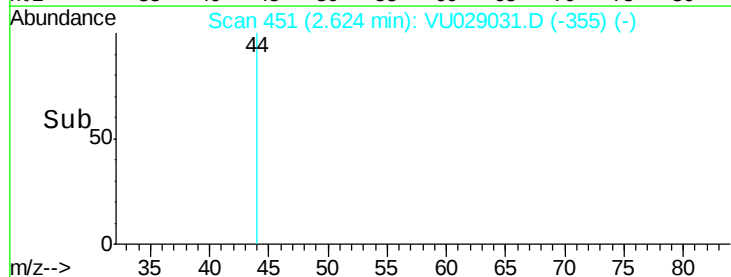
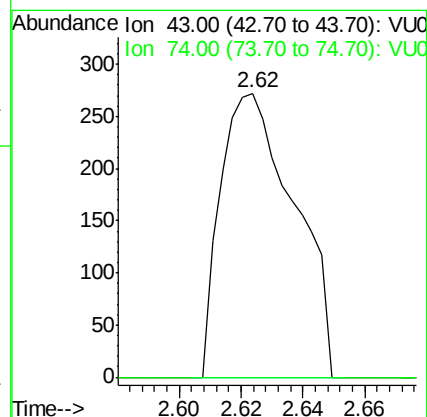
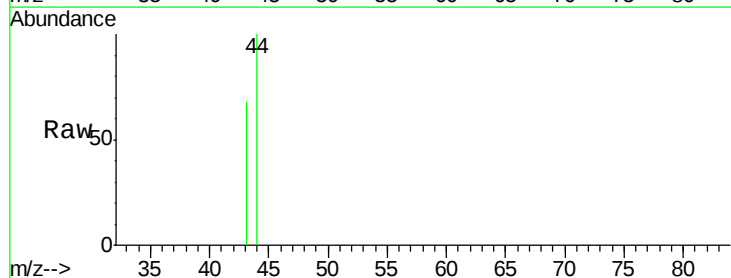
Instrument :
MSVOA_U
ClientSampleId :
RW-6

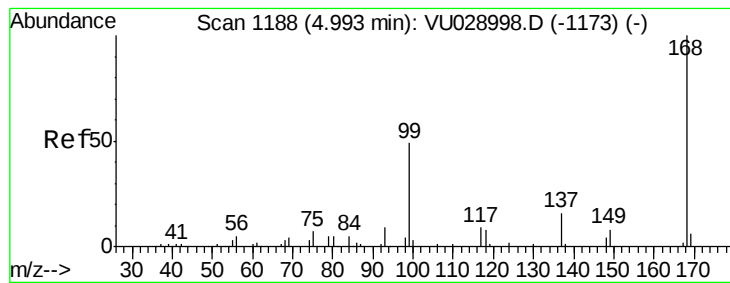
Tot Ion: 76 Resp: 464
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU029031.D
Acq: 04 Jan 2019 16:41

Tgt Ion: 43 Resp: 452
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VU029031.D

Acq: 04 Jan 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

RW-6

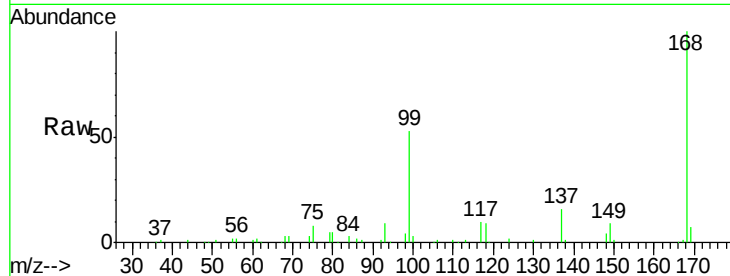
Tot Ion: 56 Resp: 1927

Ion Ratio Lower Upper

56 100

69 180.0 26.7 40.1#

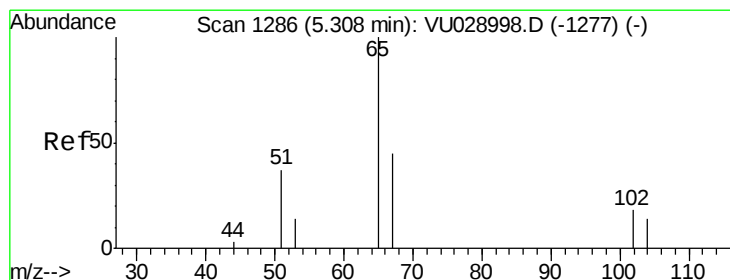
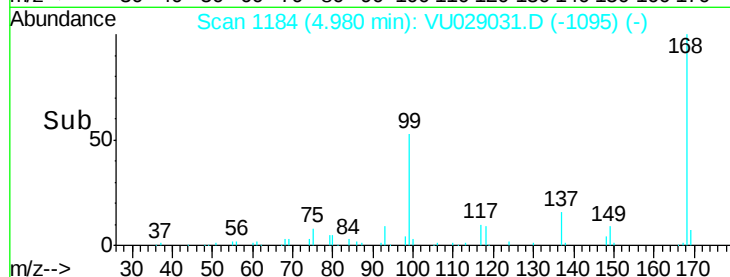
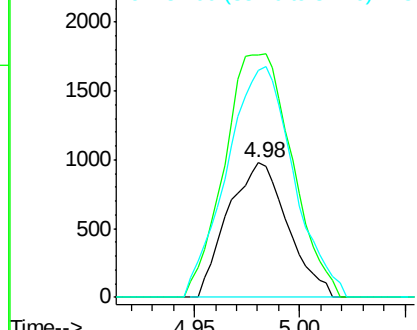
84 158.2 65.7 98.5#



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: 54.063 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU029031.D

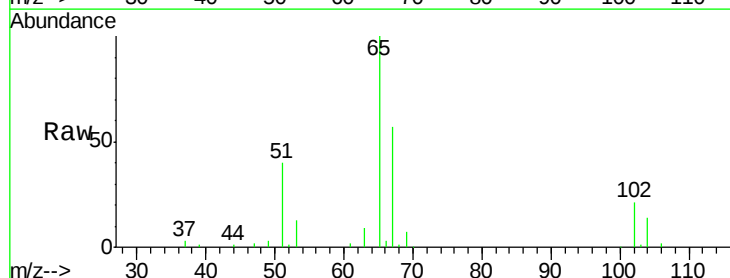
Acq: 04 Jan 2019 16:41

Tgt Ion: 65 Resp: 76463

Ion Ratio Lower Upper

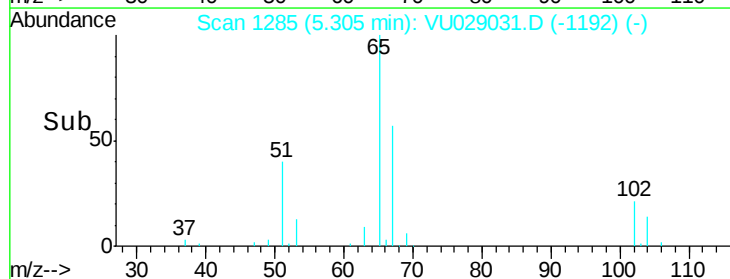
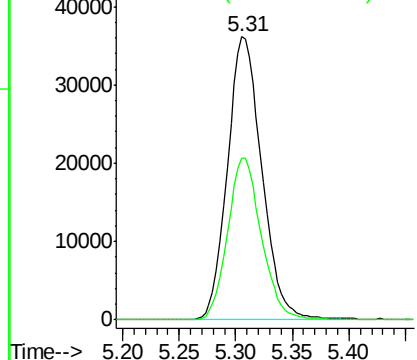
65 100

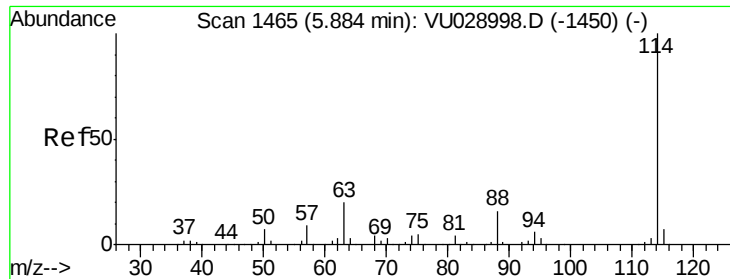
67 56.1 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

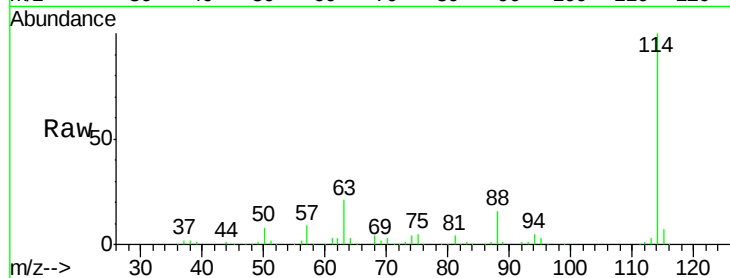




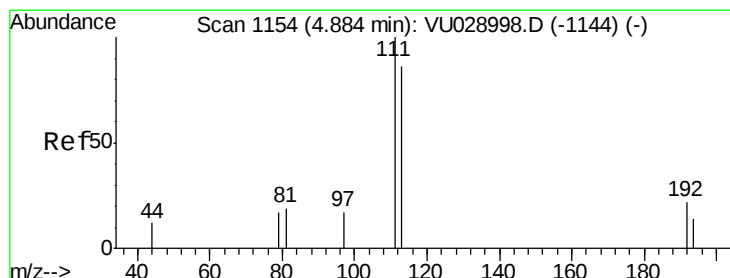
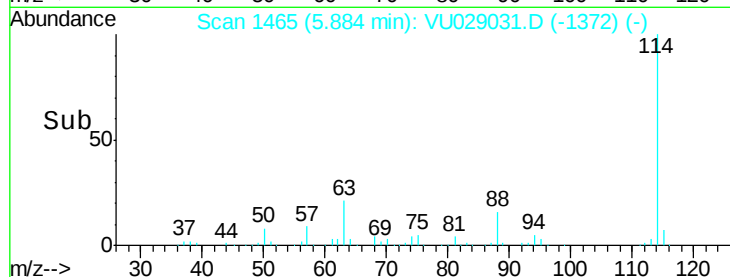
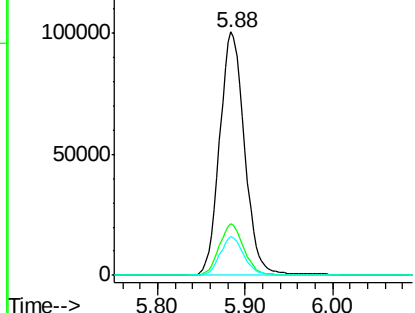
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029031.D
 Acq: 04 Jan 2019 16:41

Instrument :
 MSVOA_U
 ClientSampleID :
 RW-6

Tot Ion:114 Resp: 199764
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.2
 88 15.9 0.0 30.4

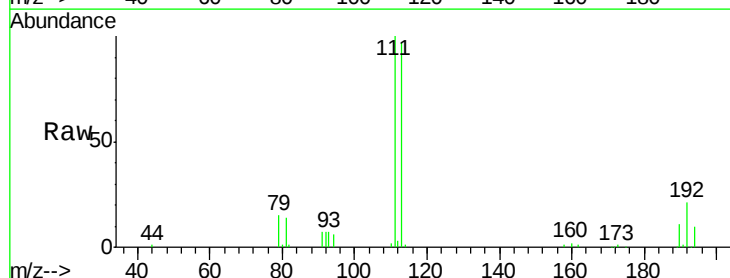


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

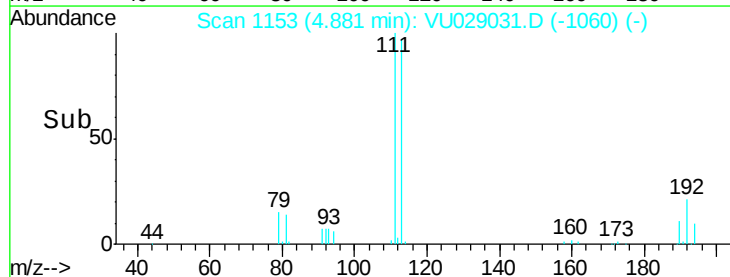
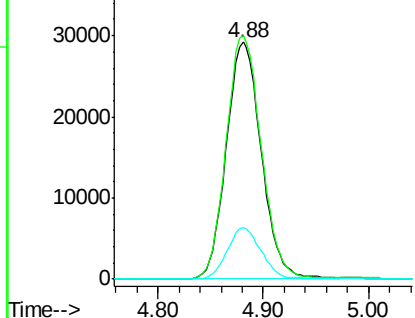


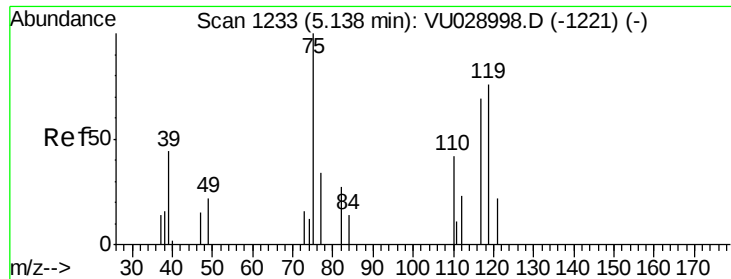
#35
 Dibromofluoromethane
 Concen: 51.872 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029031.D
 Acq: 04 Jan 2019 16:41

Tgt Ion:113 Resp: 67171
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.4 122.2
 192 21.0 16.8 25.2



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

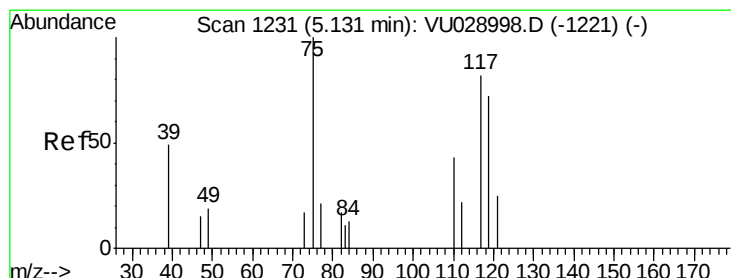
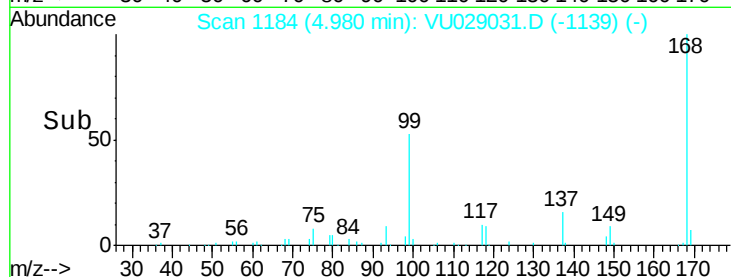
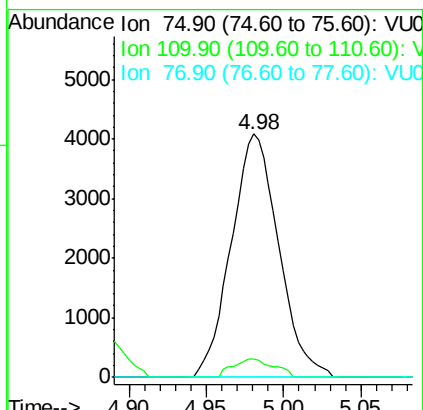
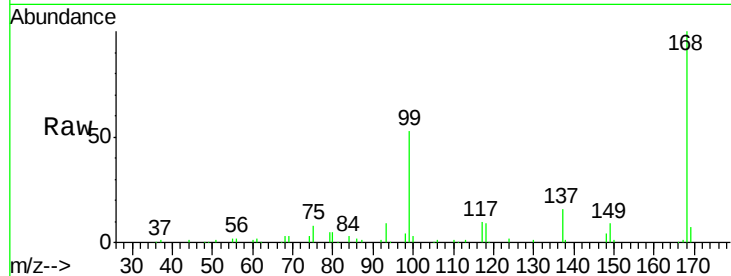




#36
 1,1-Dichloropropene
 Concen: 4.356 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029031.D
 Acq: 04 Jan 2019 16:41

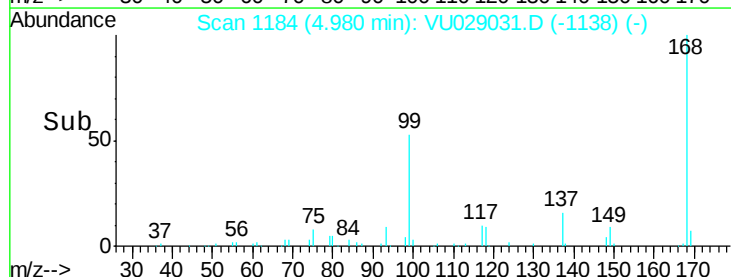
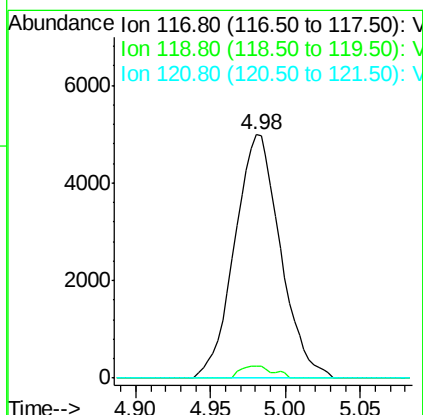
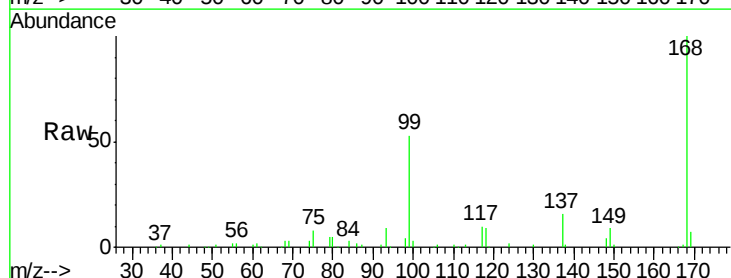
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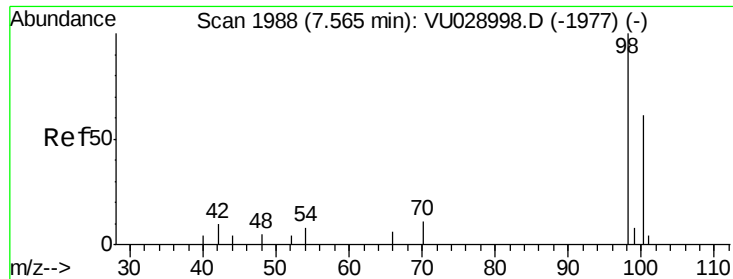
Tot Ion: 75 Resp: 8698
 Ion Ratio Lower Upper
 75 100
 110 6.6 18.4 55.4#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.370 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029031.D
 Acq: 04 Jan 2019 16:41

Tgt Ion: 117 Resp: 10609
 Ion Ratio Lower Upper
 117 100
 119 4.9 74.6 111.8#
 121 0.0 25.0 37.6#

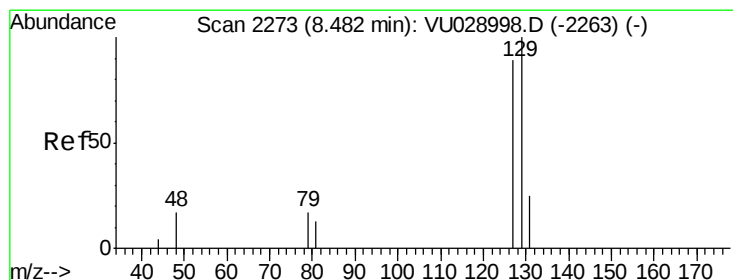
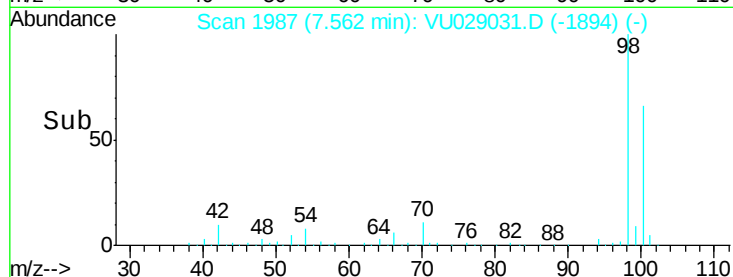
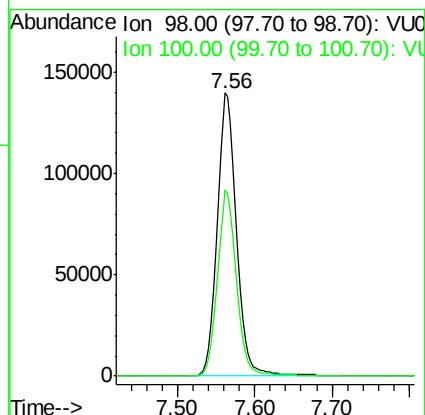
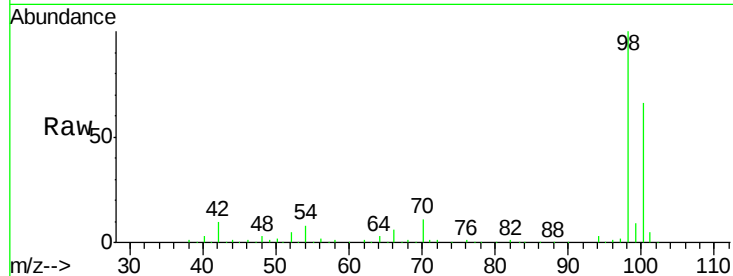




#50
Toluene-d8
Concen: 48.620 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029031.D
Acq: 04 Jan 2019 16:41

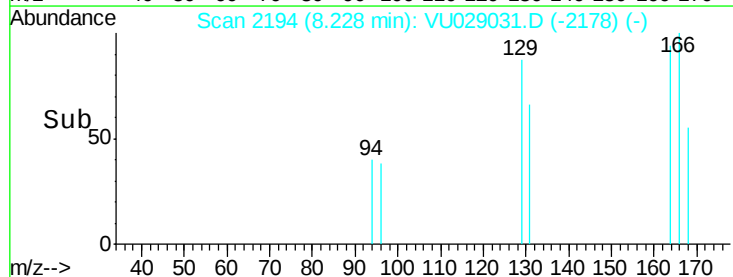
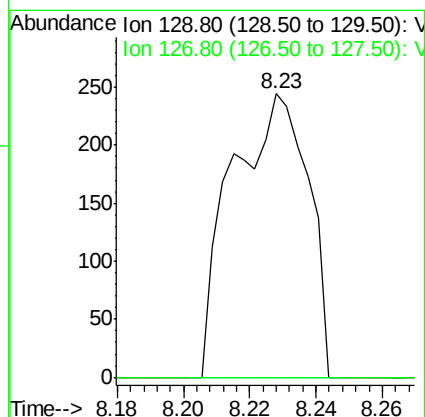
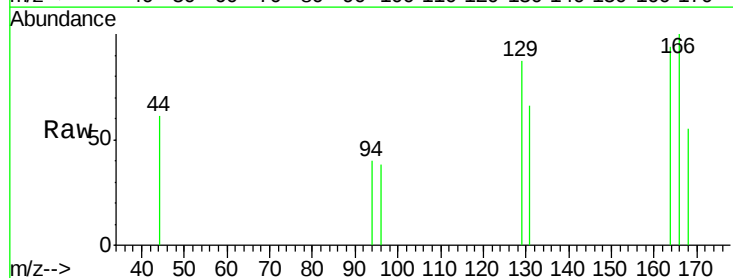
Instrument :
MSVOA_U
ClientSampleId :
RW-6

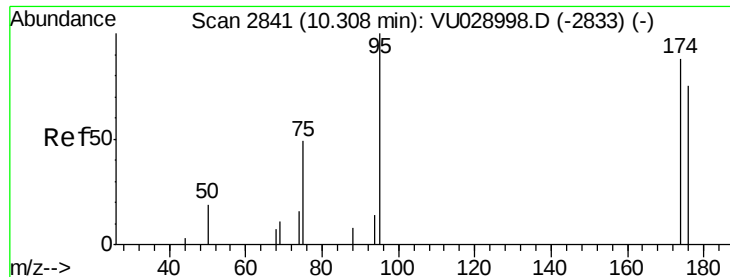
Tot Ion: 98 Resp: 248556
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



#60
Dibromochloromethane
Concen: 0.260 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU029031.D
Acq: 04 Jan 2019 16:41

Tgt Ion: 129 Resp: 391
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.0#





#62

4-Bromofluorobenzene

Concen: 42.882 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029031.D

Acq: 04 Jan 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

RW-6

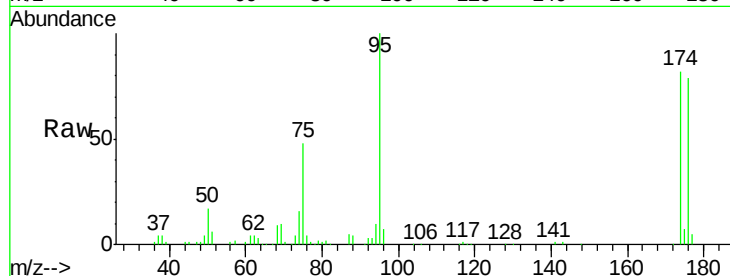
Tot Ion: 95 Resp: 78785

Ion Ratio Lower Upper

95 100

174 84.3 0.0 170.6

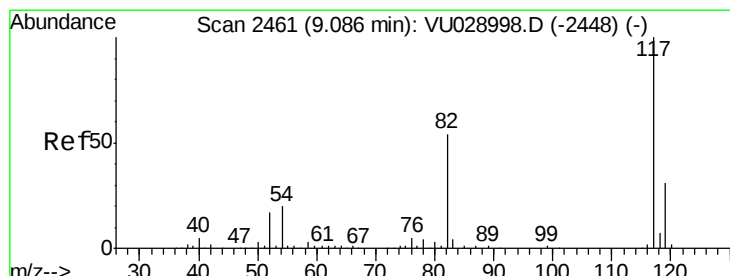
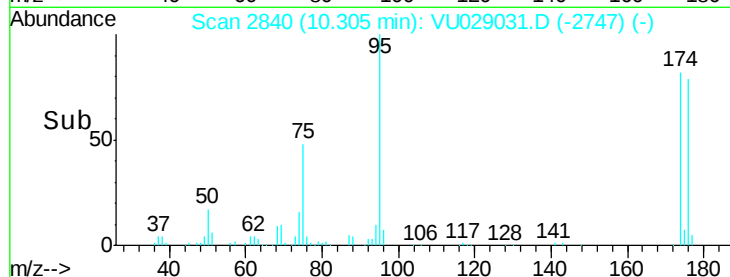
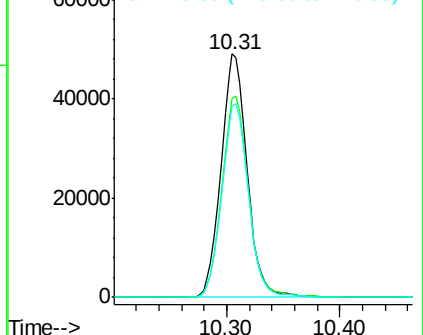
176 80.9 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): VU0

Ion 175.80 (175.50 to 176.50): VU0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VU029031.D

Acq: 04 Jan 2019 16:41

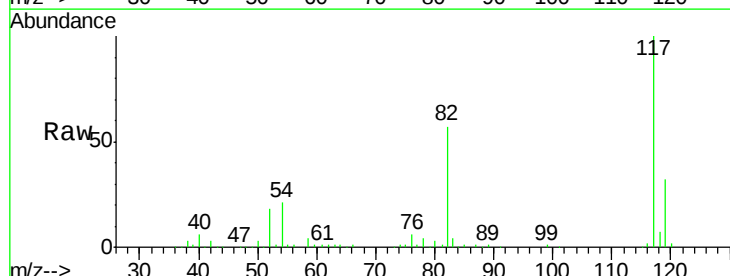
Tgt Ion: 117 Resp: 182280

Ion Ratio Lower Upper

117 100

82 56.8 43.9 65.9

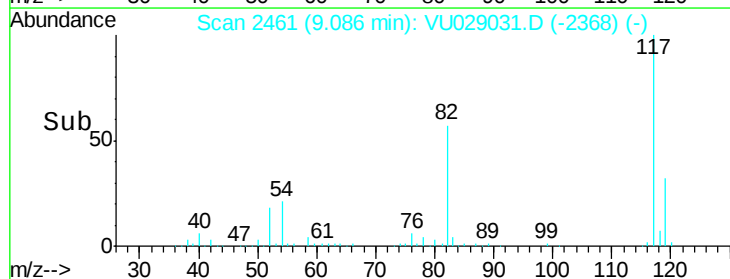
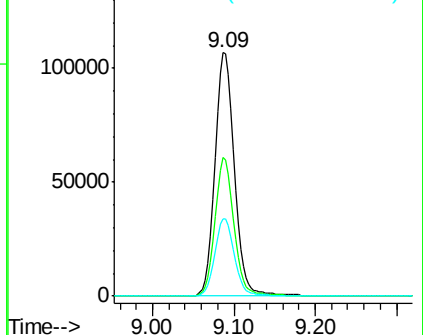
119 31.9 26.0 39.0

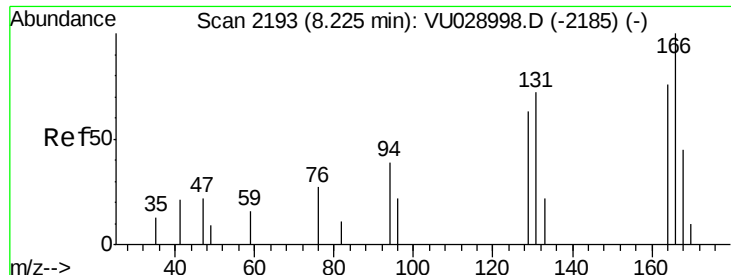


Abundance Ion 116.90 (116.60 to 117.60): VU0

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): VU0





#64

Tetrachloroethene

Concen: 0.286 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU029031.D

Acq: 04 Jan 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

RW-6

Tot Ion:164 Resp: 376

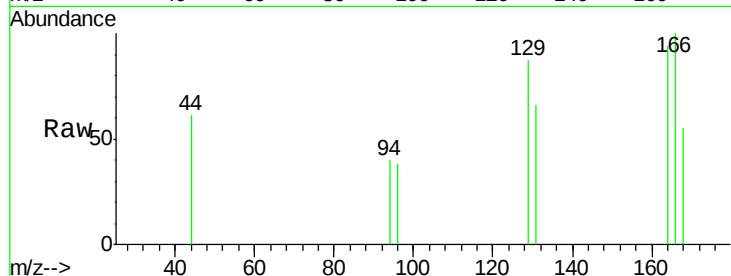
Ion Ratio Lower Upper

164 100

166 106.9 99.4 149.0

129 93.1 70.5 105.7

131 70.6 69.0 103.6

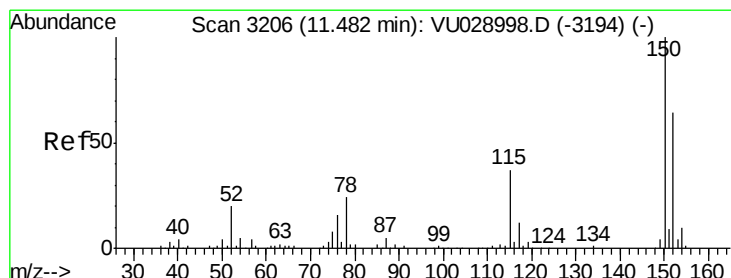
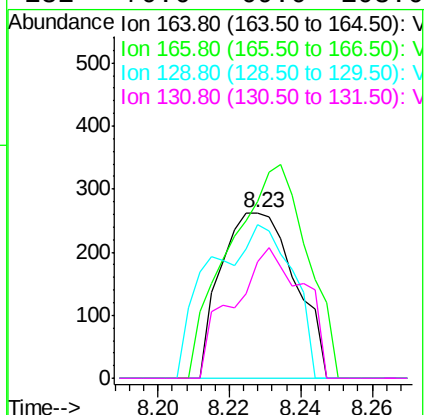
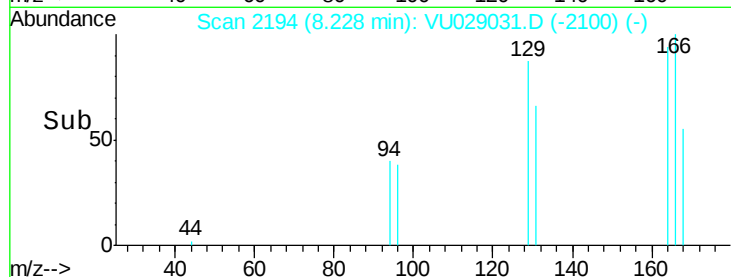


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029031.D

Acq: 04 Jan 2019 16:41

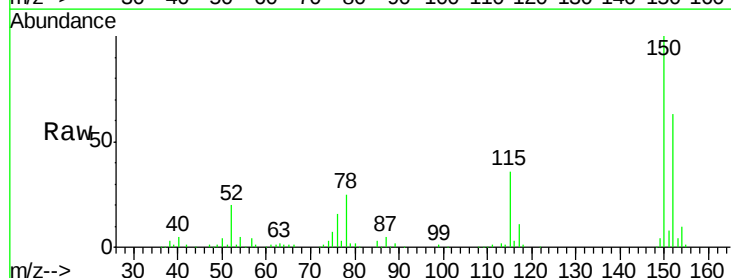
Tgt Ion:152 Resp: 72135

Ion Ratio Lower Upper

152 100

115 56.8 40.1 120.3

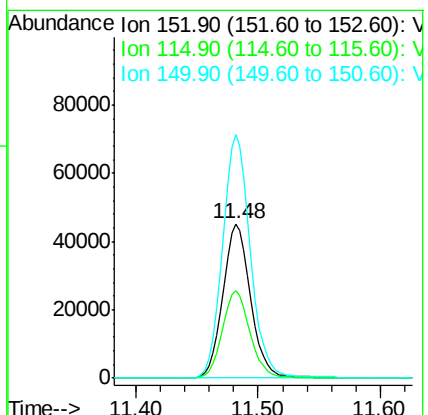
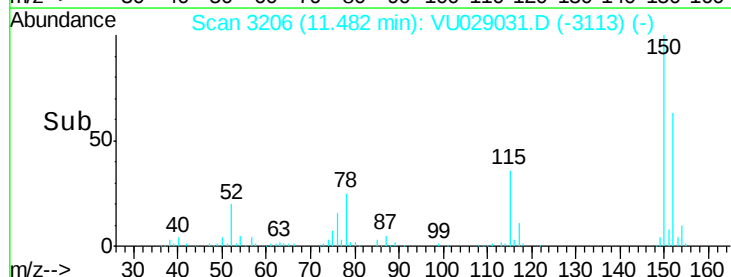
150 157.7 0.0 345.2

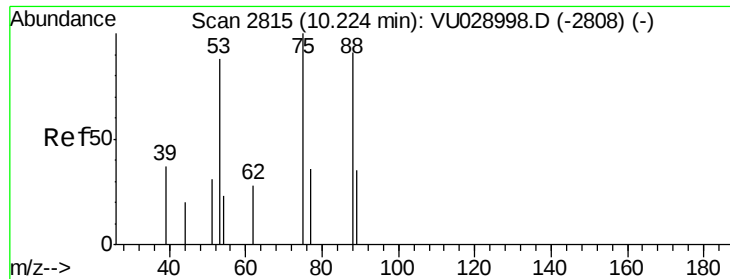


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

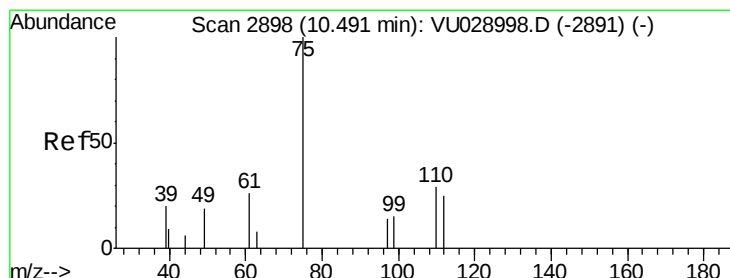
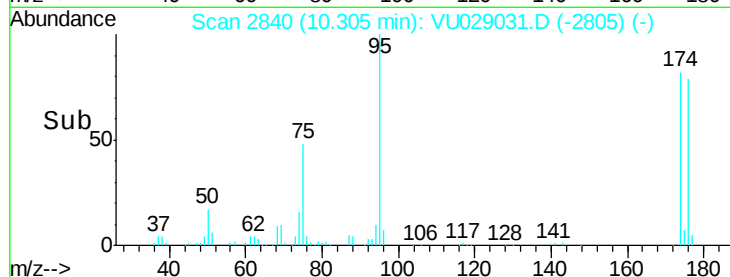
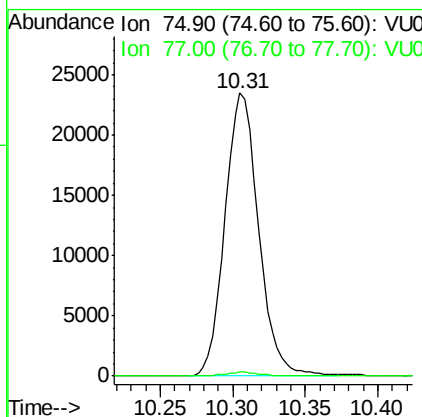
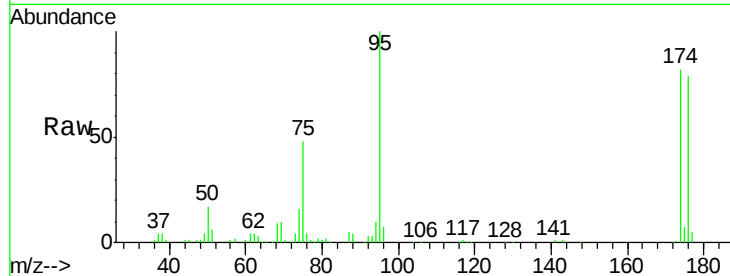




#76
 1,2,3-Trichloropropane
 Concen: 21.466 ug/l
 RT: 10.31 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU029031.D
 Acq: 04 Jan 2019 16:41

Instrument :
 MSVOA_U
 ClientSampleId :
 RW-6

Tot Ion: 75 Resp: 37940
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.363 ug/l
 RT: 10.31 min Scan# 2840
 Delta R.T. -0.21 min
 Lab File: VU029031.D
 Acq: 04 Jan 2019 16:41

Tgt Ion: 75 Resp: 37940
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

