

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010319\
 Data File : VU029002.D
 Acq On : 03 Jan 2019 17:12
 Operator : MD/SY
 Sample : K1042-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 04 07:48:22 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	130097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	219809	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	201424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	81576	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.30	65	81199	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
35) Dibromofluoromethane	4.88	113	71451	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
50) Toluene-d8	7.56	98	271694	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	10.30	95	88029	43.54	ug/l	0.00
Spiked Amount			Recovery	=	87.08%	

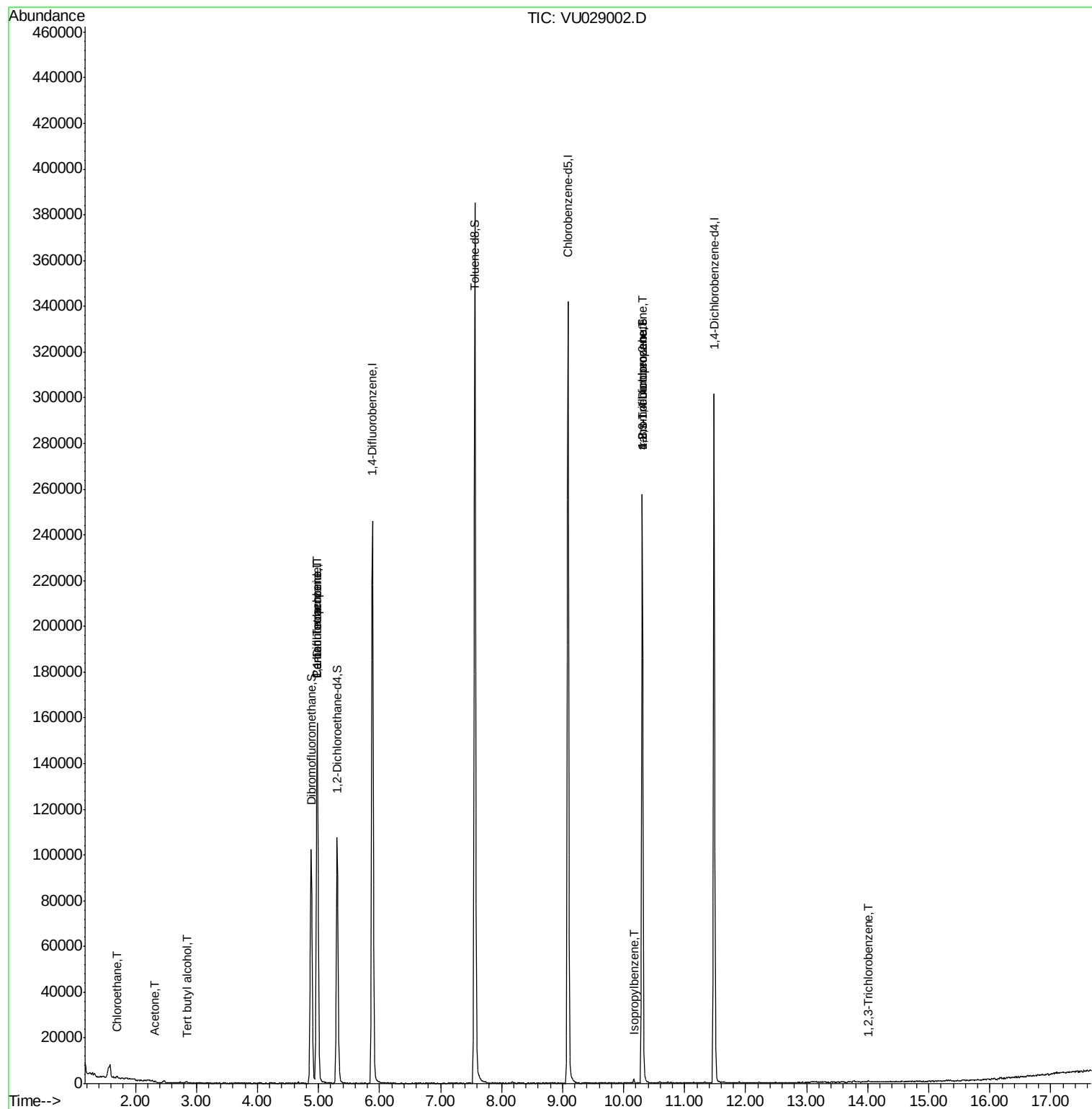
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1298	Below Cal		100
5) Bromomethane	1.61	94	144	Below Cal		98
6) Chloroethane	1.70	64	262	0.231	ug/l #	43
11) Tert butyl alcohol	2.84	59	399	0.976	ug/l #	73
16) Acetone	2.32	43	567	0.560	ug/l	96
17) Carbon Disulfide	2.48	76	1075	Below Cal	#	75
31) Cyclohexane	4.98	56	2146	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9120	4.151	ug/l #	47
38) Carbon Tetrachloride	4.98	117	11342	6.189	ug/l #	16
73) Isopropylbenzene	10.17	105	1562	0.259	ug/l	85
76) 1,2,3-Trichloropropane	10.30	75	42319	21.173	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	42319	54.606	ug/l #	100
96) 1,2,3-Trichlorobenzene	14.00	180	242	0.900	ug/l #	85

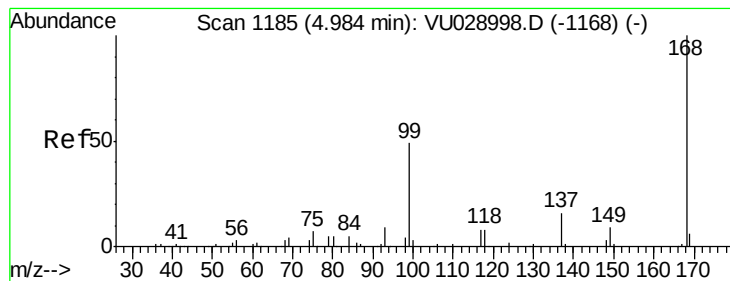
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:22:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU029002.D

Acq: 03 Jan 2019 17:12

Instrument :

MSVOA_U

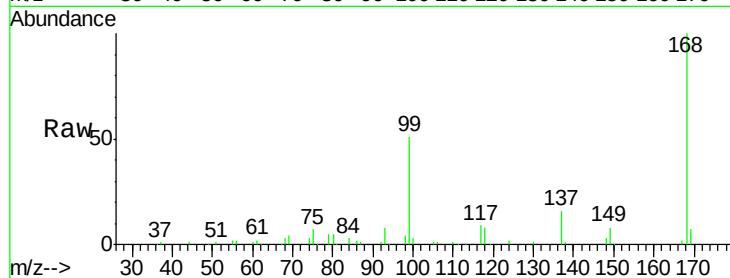
ClientSampled :

Tot Ion:168 Resp: 130097

Ion Ratio Lower Upper

168 100

99 51.3 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

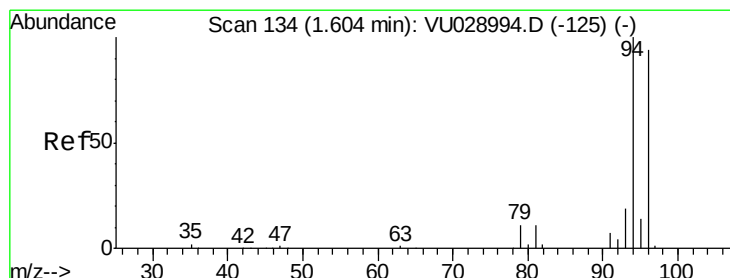
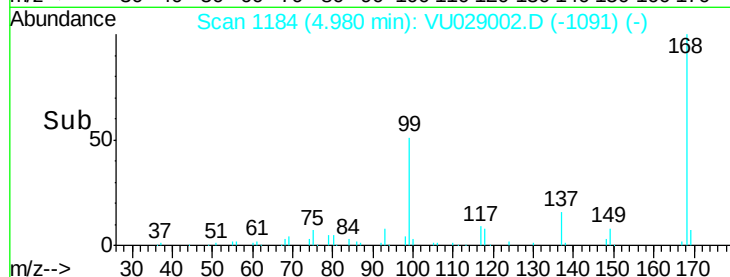
40000

20000

0

4.90 5.00 5.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 137

Delta R.T. 0.01 min

Lab File: VU029002.D

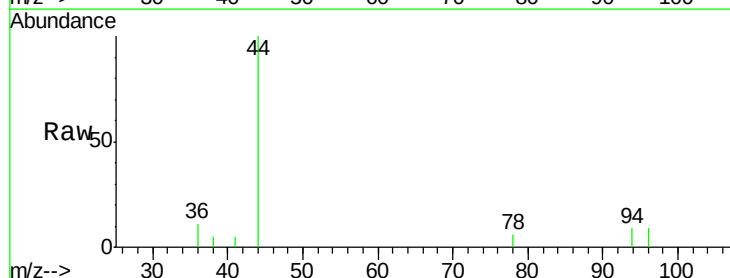
Acq: 03 Jan 2019 17:12

Tgt Ion: 94 Resp: 144

Ion Ratio Lower Upper

94 100

96 96.2 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) (-)

1.61

250

200

150

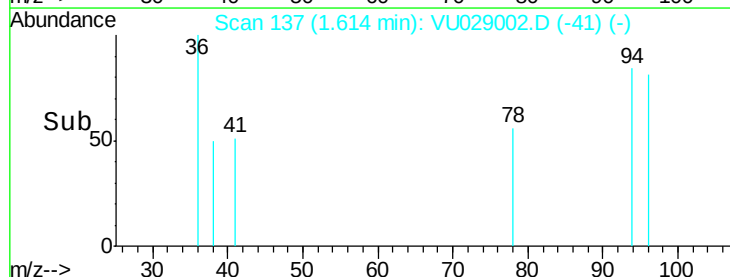
100

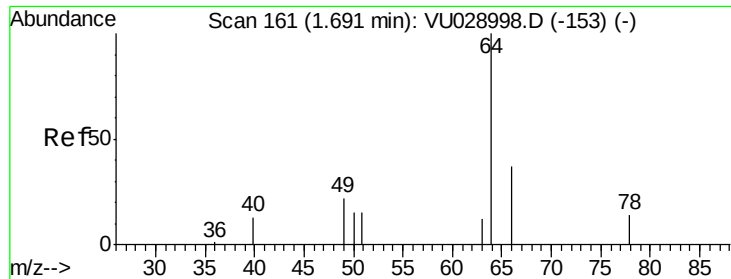
50

0

1.59 1.60 1.61 1.62 1.63

Time-->





#6

Chloroethane

Concen: 0.231 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.02 min

Lab File: VU029002.D

Acq: 03 Jan 2019 17:12

Instrument :

MSVOA_U

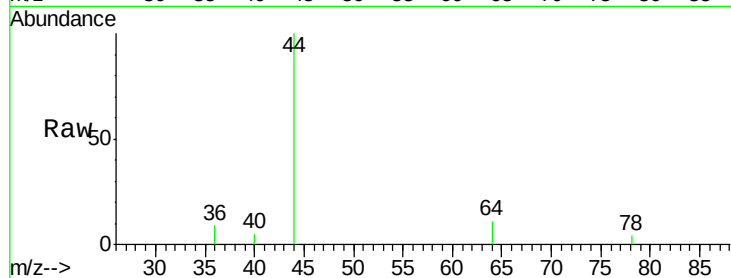
ClientSampleId :

Tot Ion: 64 Resp: 262

Ion Ratio Lower Upper

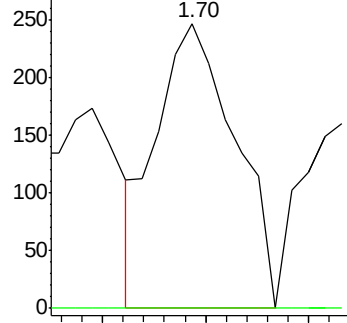
64 100

66 0.0 25.2 37.8#

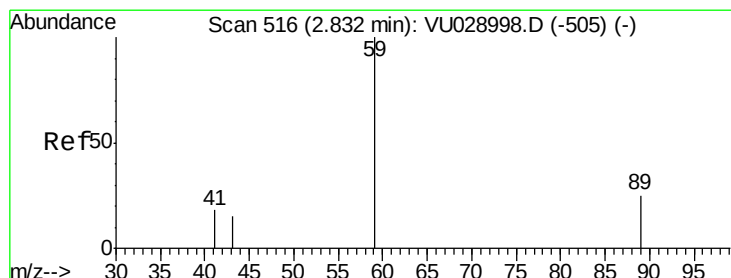
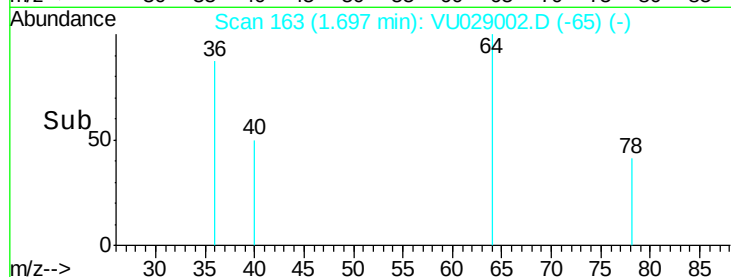


Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->



#11

Tert butyl alcohol

Concen: 0.976 ug/l

RT: 2.84 min Scan# 519

Delta R.T. 0.01 min

Lab File: VU029002.D

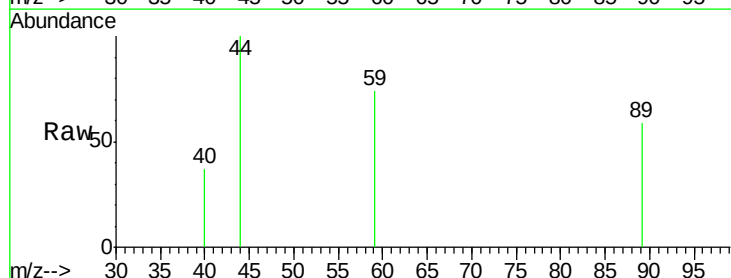
Acq: 03 Jan 2019 17:12

Tgt Ion: 59 Resp: 399

Ion Ratio Lower Upper

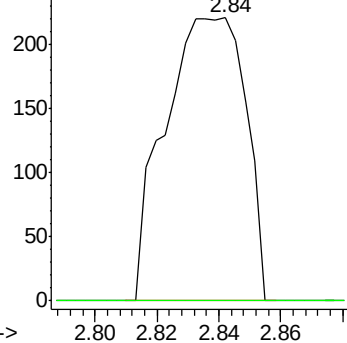
59 100

57 0.0 7.9 11.9#

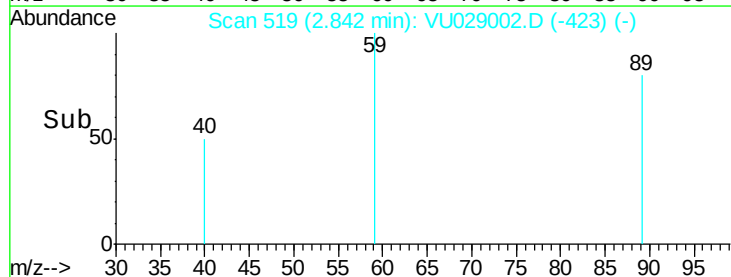


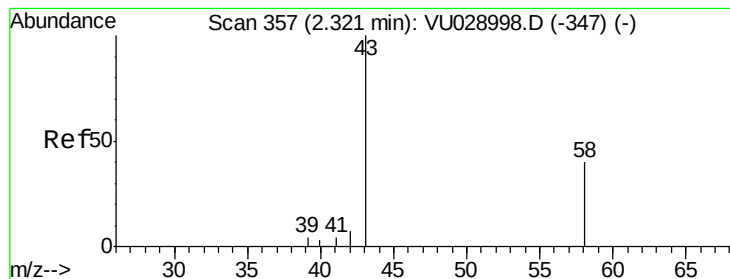
Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



Time-->





#16

Acetone

Concen: 0.560 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU029002.D

Acq: 03 Jan 2019 17:12

Instrument :

MSVOA_U

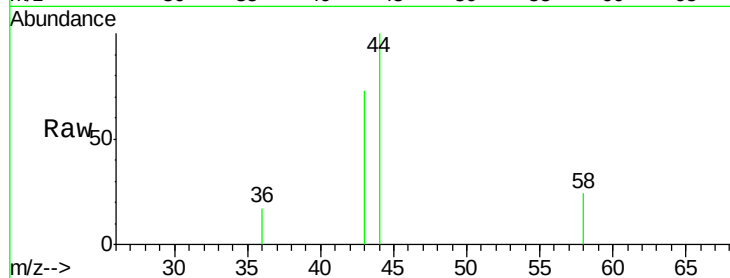
ClientSampled :

Tot Ion: 43 Resp: 567

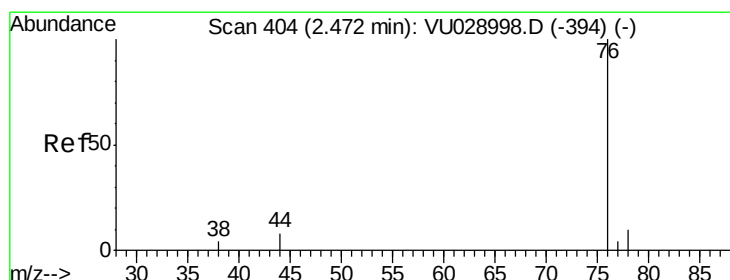
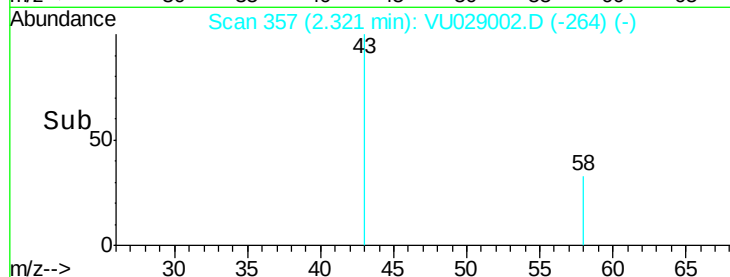
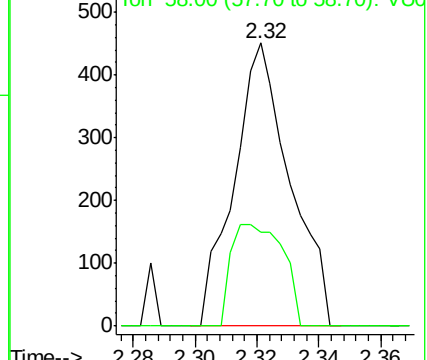
Ion Ratio Lower Upper

43 100

58 33.3 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-347) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029002.D

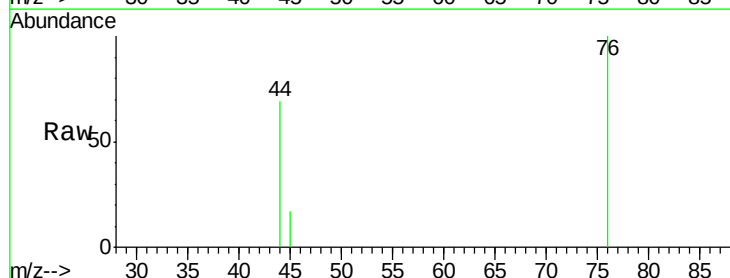
Acq: 03 Jan 2019 17:12

Tgt Ion: 76 Resp: 1075

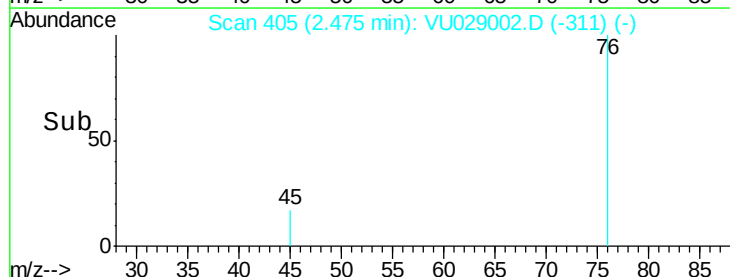
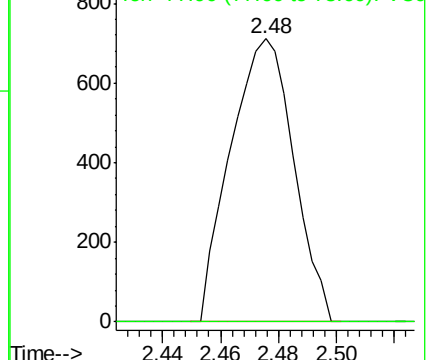
Ion Ratio Lower Upper

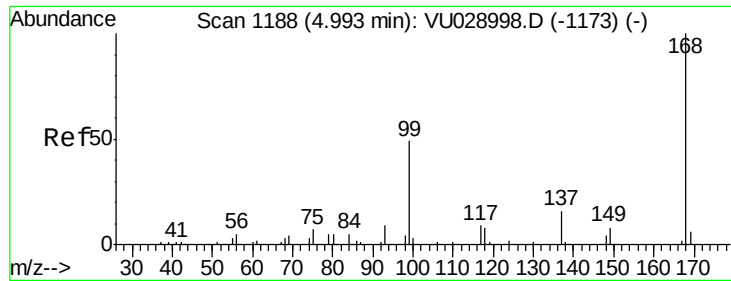
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU028998.D (-394) (-)

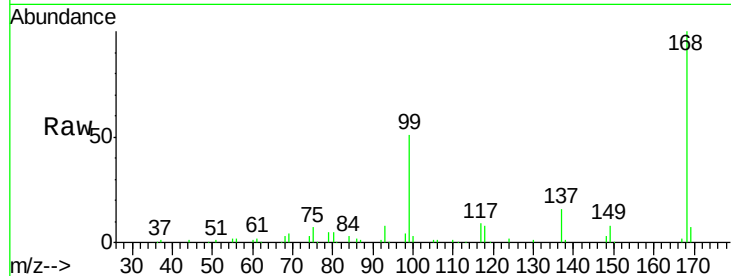




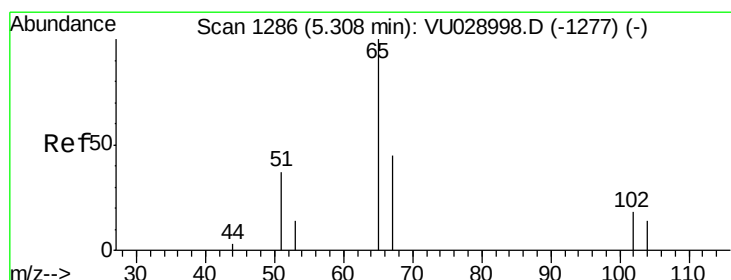
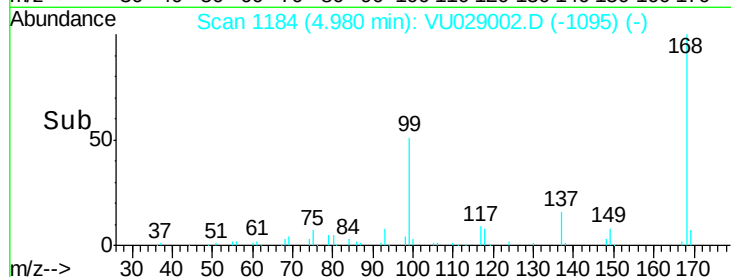
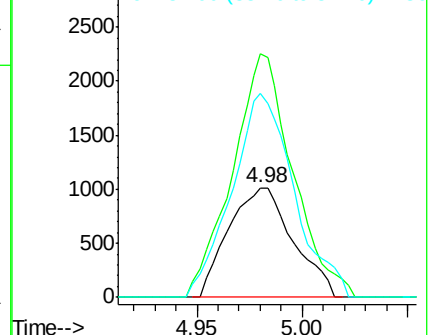
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VU029002.D
Acq: 03 Jan 2019 17:12

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 2146
Ion Ratio Lower Upper
56 100
69 209.0 26.7 40.1#
84 174.8 65.7 98.5#

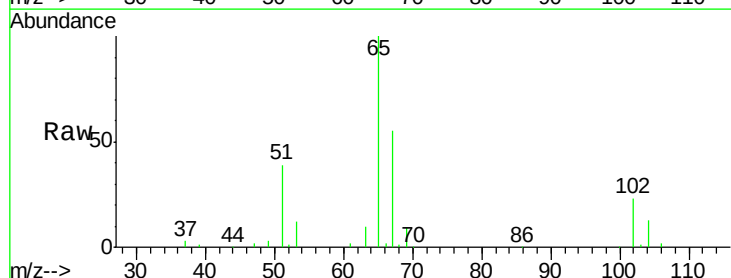


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

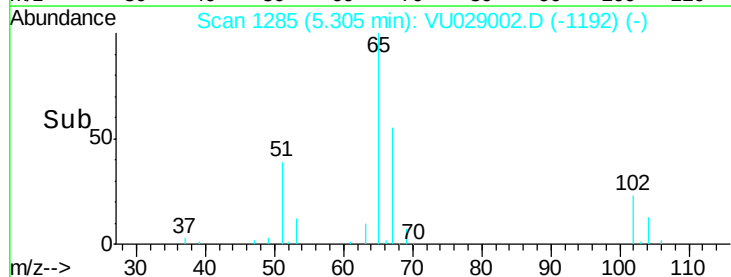
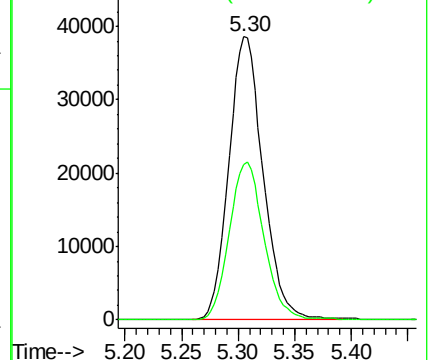


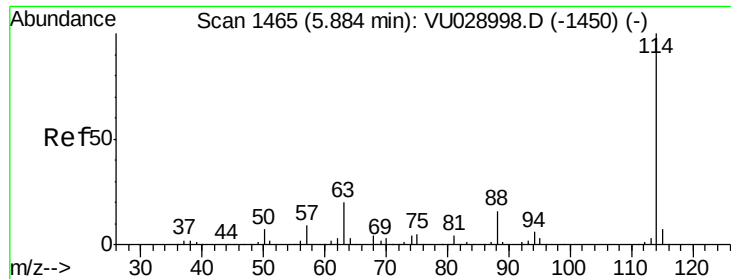
#33
1,2-Dichloroethane-d4
Concen: 50.489 ug/l
RT: 5.30 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VU029002.D
Acq: 03 Jan 2019 17:12

Tgt Ion: 65 Resp: 81199
Ion Ratio Lower Upper
65 100
67 56.2 0.0 111.0



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

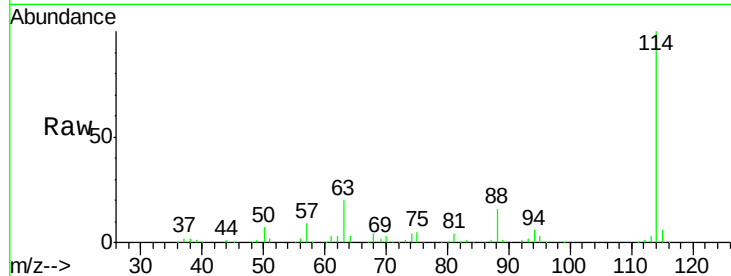




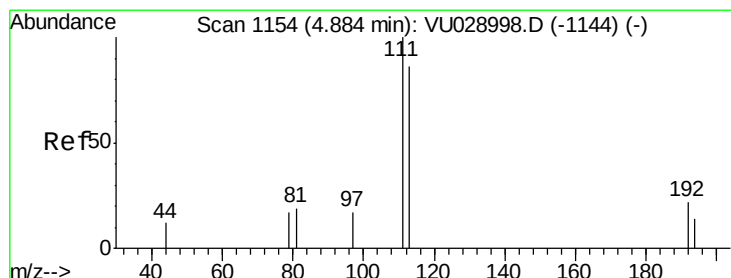
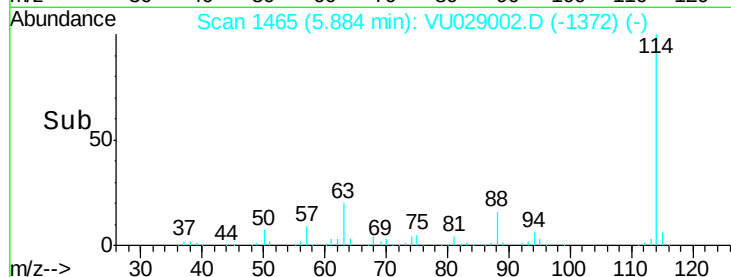
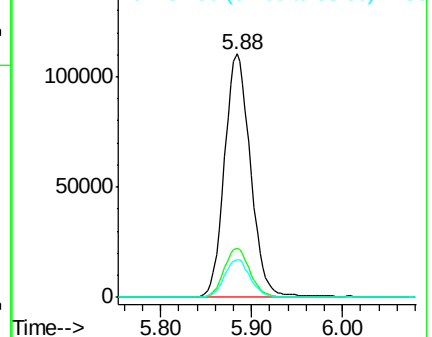
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.88 min Scan# 1465
Delta R.T. -0.00 min
Lab File: VU029002.D
Acq: 03 Jan 2019 17:12

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:114 Resp: 219809
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.2
88 15.6 0.0 30.4

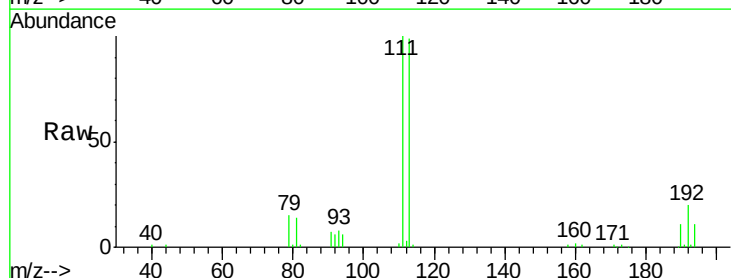


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

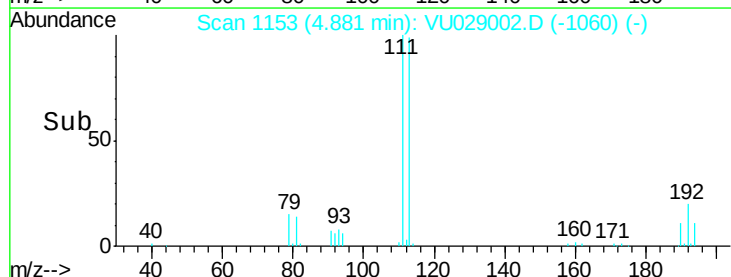
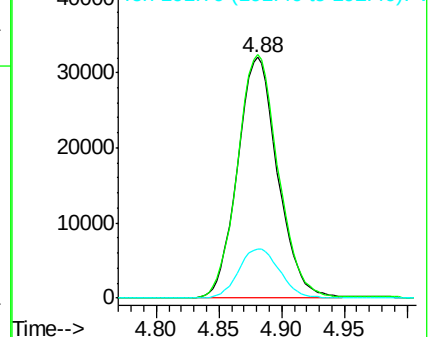


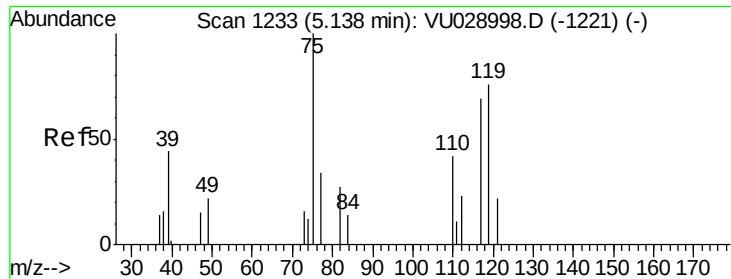
#35
Dibromofluoromethane
Concen: 50.146 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VU029002.D
Acq: 03 Jan 2019 17:12

Tgt Ion:113 Resp: 71451
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.2
192 20.9 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

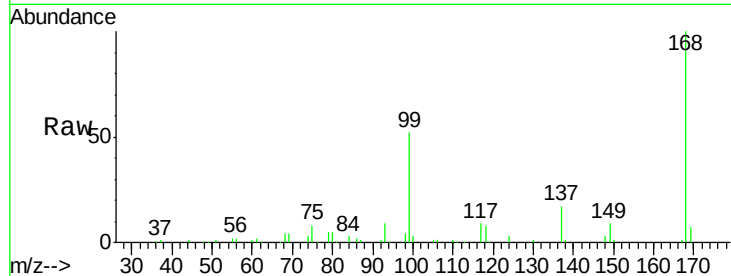




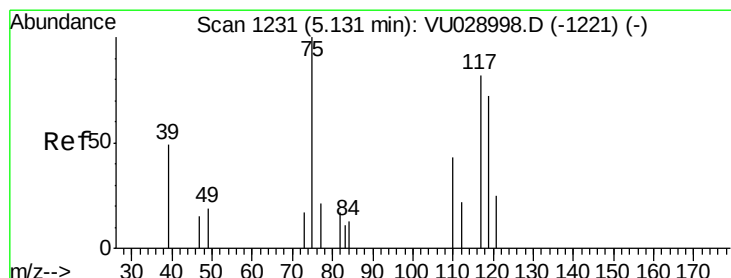
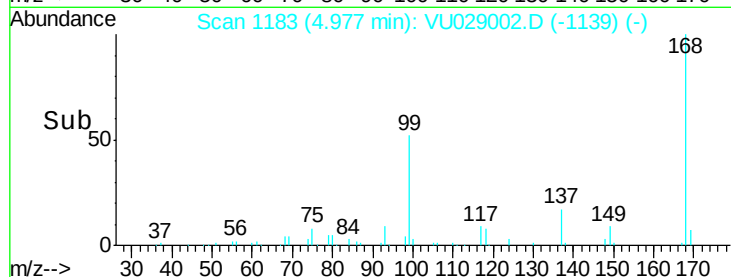
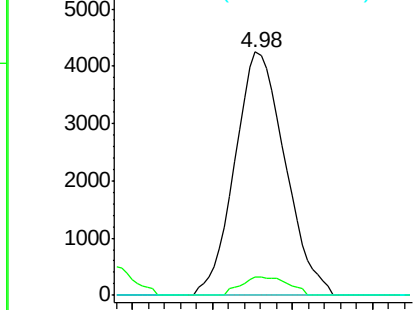
#36
 1,1-Dichloropropene
 Concen: 4.151 ug/l
 RT: 4.98 min Scan# 1183
 Delta R.T. -0.16 min
 Lab File: VU029002.D
 Acq: 03 Jan 2019 17:12

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 9120
 Ion Ratio Lower Upper
 75 100
 110 7.0 18.4 55.4#
 77 0.0 25.1 37.7#

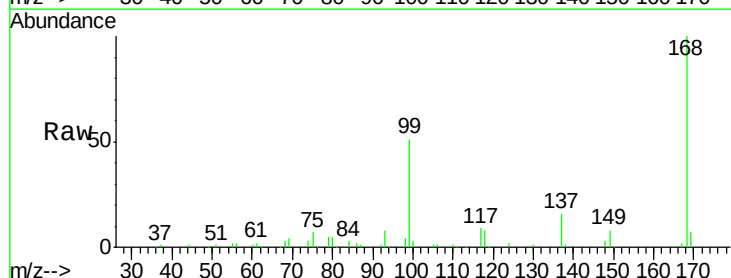


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

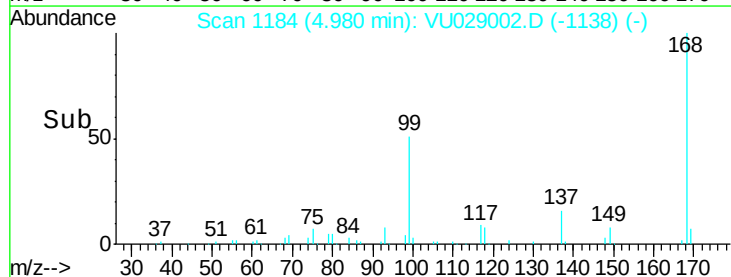
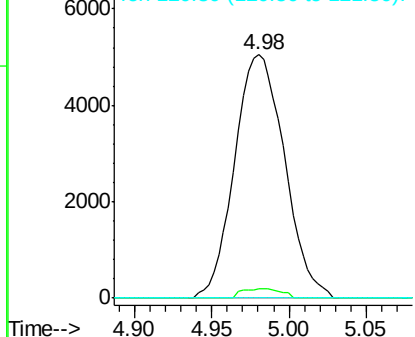


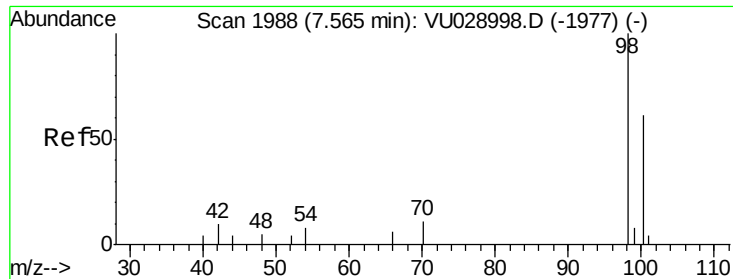
#38
 Carbon Tetrachloride
 Concen: 6.189 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029002.D
 Acq: 03 Jan 2019 17:12

Tgt Ion: 117 Resp: 11342
 Ion Ratio Lower Upper
 117 100
 119 3.6 74.6 111.8#
 121 0.0 25.0 37.6#



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: 48.300 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU029002.D

Acq: 03 Jan 2019 17:12

Instrument :

MSVOA_U

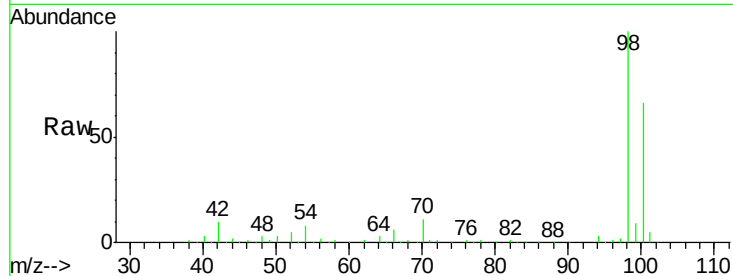
ClientSampleId :

Tot Ion: 98 Resp: 271694

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU028998.D (-1977) (-)

Ion 100.00 (99.70 to 100.70): VU028998.D (-1977) (-)

7.56

150000

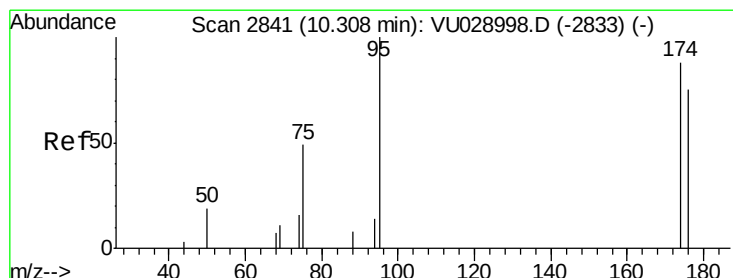
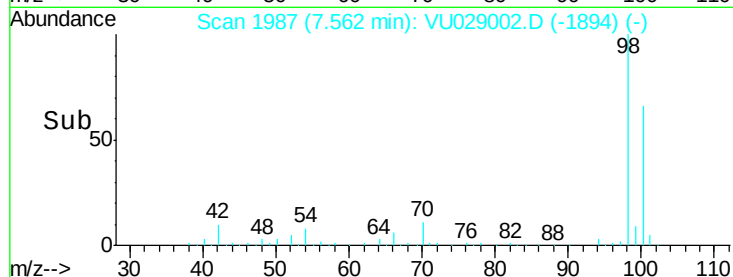
100000

50000

0

7.50 7.60 7.70

Time-->



#62

4-Bromofluorobenzene

Concen: 43.544 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU029002.D

Acq: 03 Jan 2019 17:12

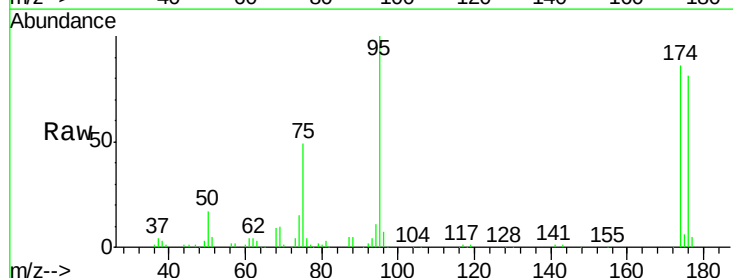
Tgt Ion: 95 Resp: 88029

Ion Ratio Lower Upper

95 100

174 85.9 0.0 170.6

176 83.0 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU028998.D (-2833) (-)

Ion 173.80 (173.50 to 174.50): VU028998.D (-2833) (-)

Ion 175.80 (175.50 to 176.50): VU028998.D (-2833) (-)

10.30

60000

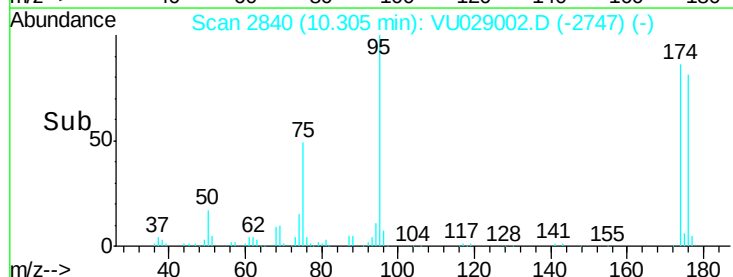
40000

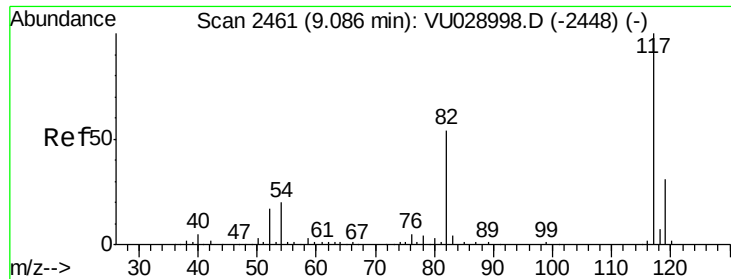
20000

0

10.30 10.40

Time-->

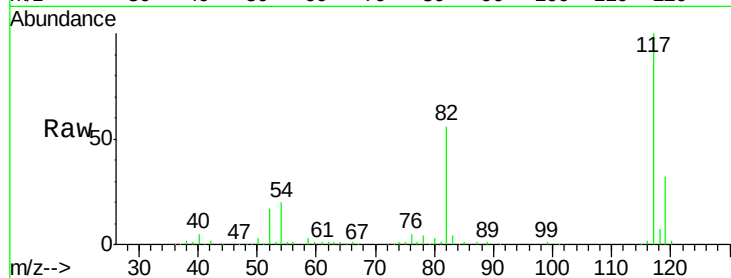




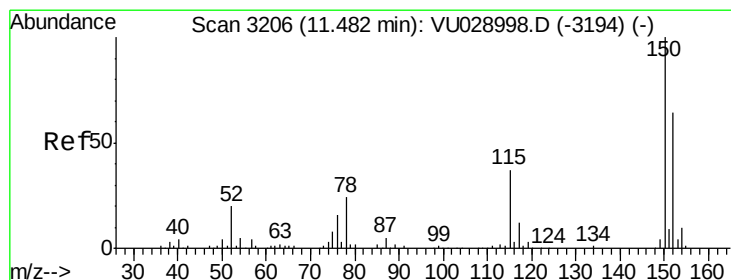
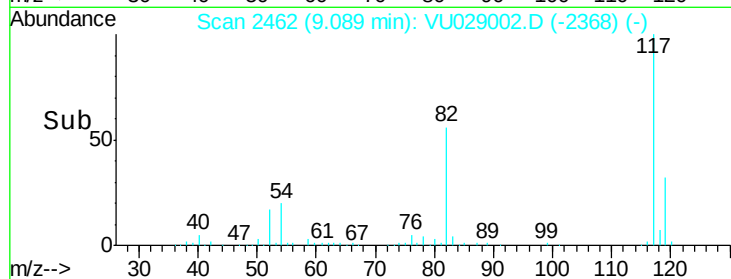
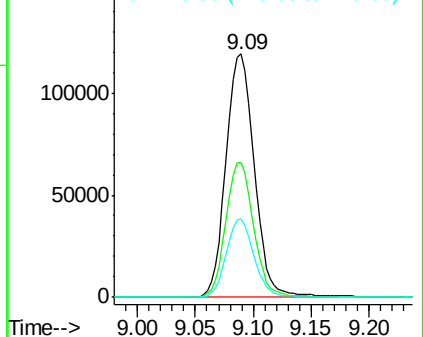
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029002.D
Acq: 03 Jan 2019 17:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 201424
Ion Ratio Lower Upper
117 100
82 55.6 43.9 65.9
119 32.0 26.0 39.0

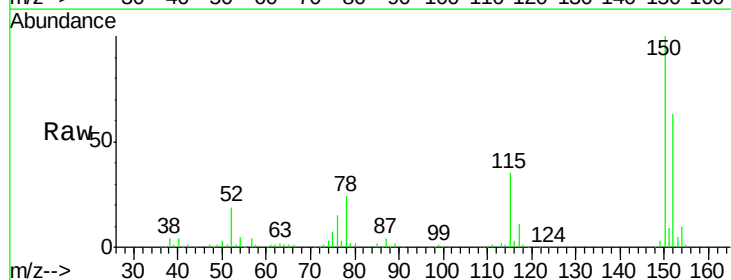


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

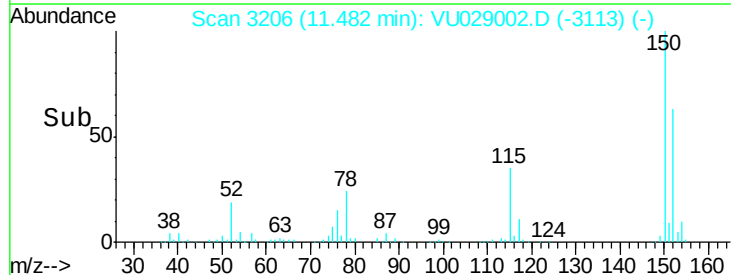
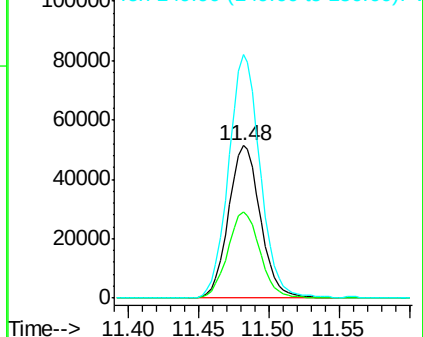


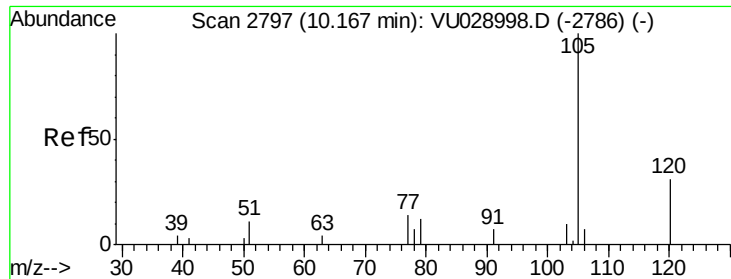
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU029002.D
Acq: 03 Jan 2019 17:12

Tgt Ion:152 Resp: 81576
Ion Ratio Lower Upper
152 100
115 57.0 40.1 120.3
150 158.0 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





#73

Isopropylbenzene

Concen: 0.259 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU029002.D

Acq: 03 Jan 2019 17:12

Instrument :

MSVOA_U

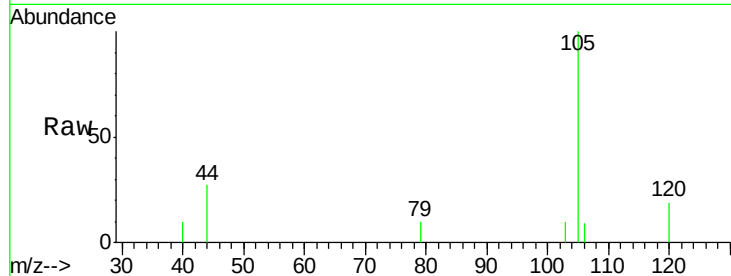
ClientSampled :

Tot Ion:105 Resp: 1562

Ion Ratio Lower Upper

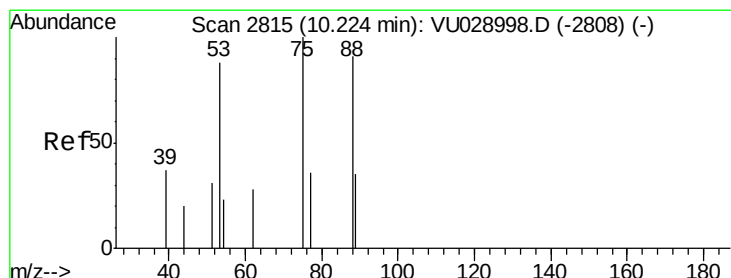
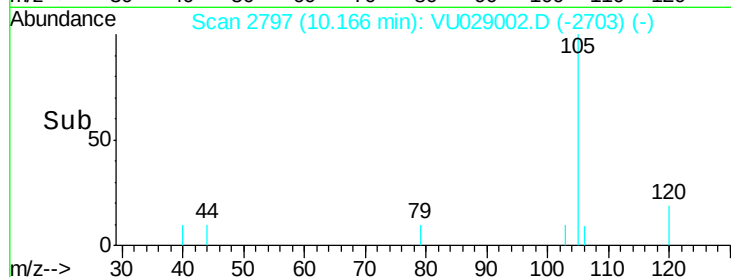
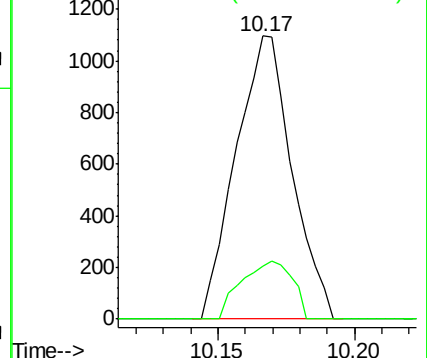
105 100

120 18.7 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 21.173 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029002.D

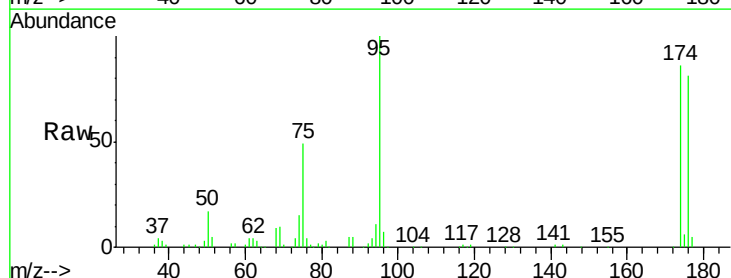
Acq: 03 Jan 2019 17:12

Tgt Ion: 75 Resp: 42319

Ion Ratio Lower Upper

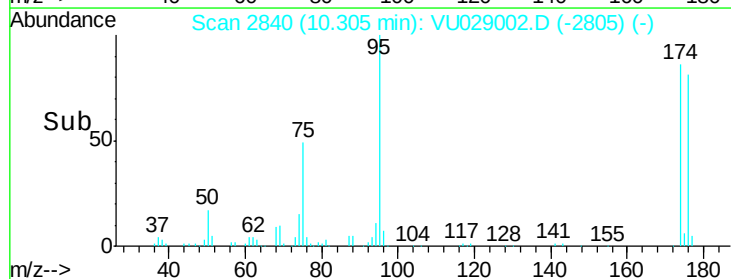
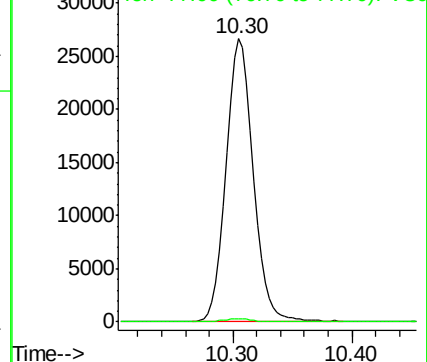
75 100

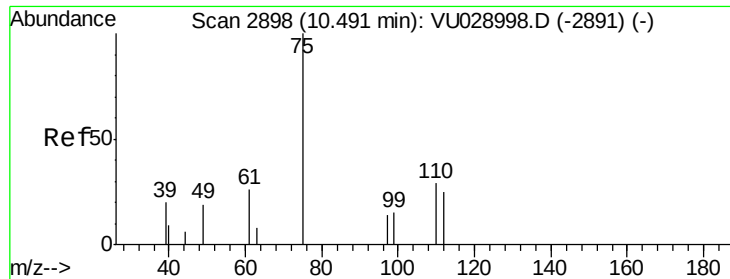
77 1.0 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

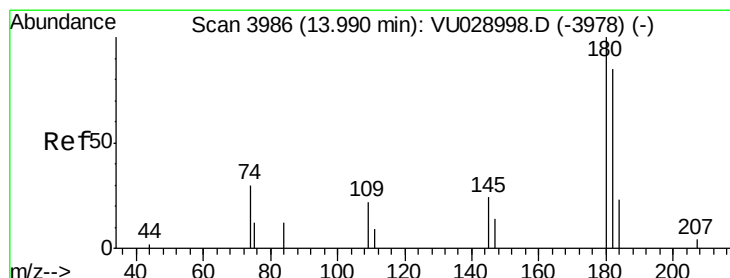
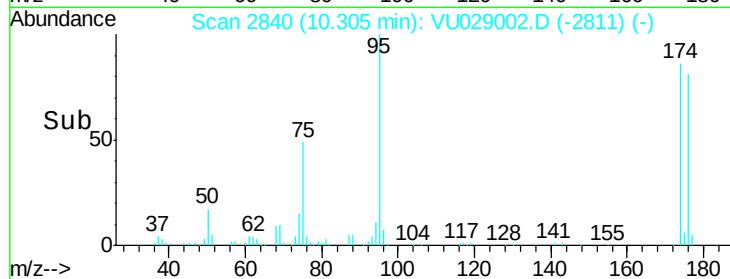
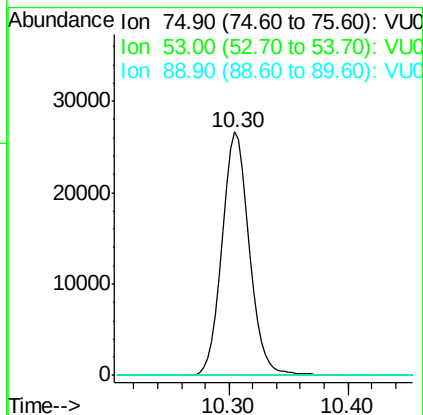
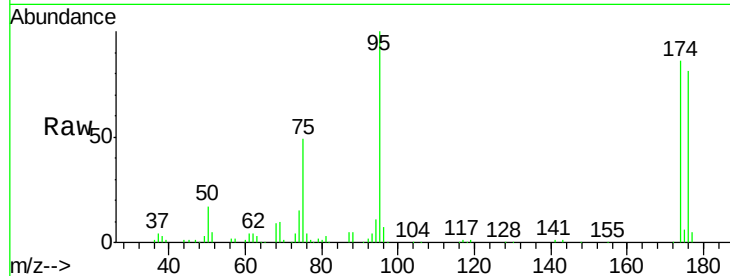




#81
trans-1,4-Dichloro-2-butene
Concen: 54.606 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.21 min
Lab File: VU029002.D
Acq: 03 Jan 2019 17:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 42319
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: 0.900 ug/l
RT: 14.00 min Scan# 3990
Delta R.T. 0.02 min
Lab File: VU029002.D
Acq: 03 Jan 2019 17:12

Tgt Ion:180 Resp: 242
Ion Ratio Lower Upper
180 100
182 98.8 48.1 144.3
145 0.0 14.8 44.4#

