

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029033.D
 Acq On : 04 Jan 2019 17:29
 Operator : MD/SY
 Sample : K1055-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-5

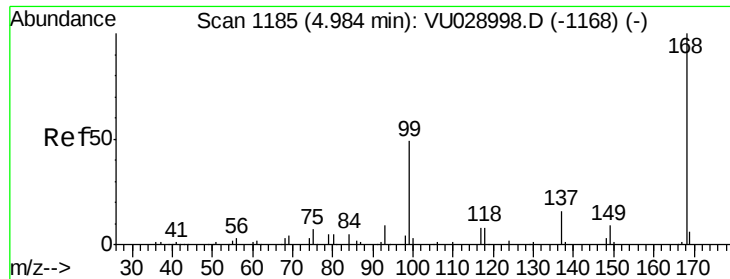
Quant Time: Jan 05 03:48:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	114570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	194413	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	176683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68684	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	75870	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	
35) Dibromofluoromethane	4.88	113	64879	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
50) Toluene-d8	7.56	98	243985	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	10.30	95	75104	42.00	ug/l	0.00
Spiked Amount			Recovery	=	84.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	962	Below Cal	#	78
5) Bromomethane	1.61	94	78	Below Cal	#	2
11) Tert butyl alcohol	2.83	59	350	0.972	ug/l #	73
16) Acetone	2.32	43	573	0.642	ug/l #	80
17) Carbon Disulfide	2.47	76	385	Below Cal	#	75
18) Methyl Acetate	2.62	43	500	0.241	ug/l #	51
31) Cyclohexane	4.98	56	2072	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8127	4.182	ug/l #	46
38) Carbon Tetrachloride	4.98	117	10824	6.678	ug/l #	17
51) 4-Methyl-2-Pentanone	7.56	43	788	0.354	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	36077	21.438	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	36077	55.289	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029033.D

Acq: 04 Jan 2019 17:29

Instrument :

MSVOA_U

ClientSampleId :

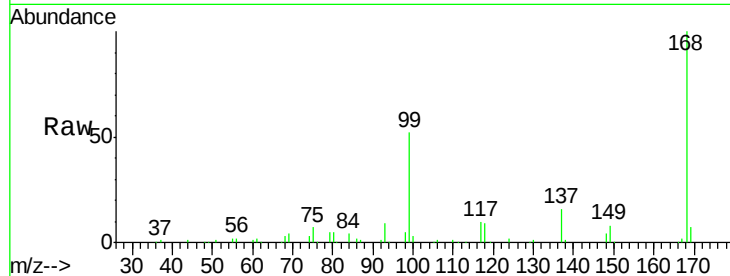
MW-5

Tot Ion:168 Resp: 114570

Ion Ratio Lower Upper

168 100

99 51.9 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

50000

40000

30000

20000

10000

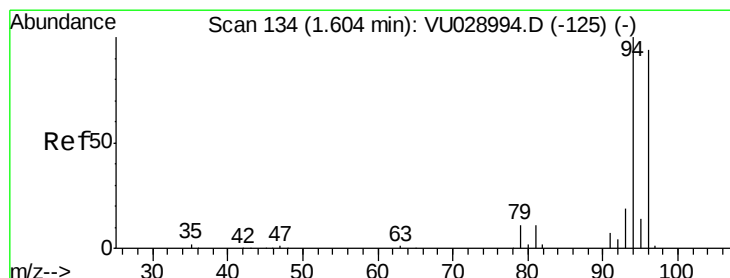
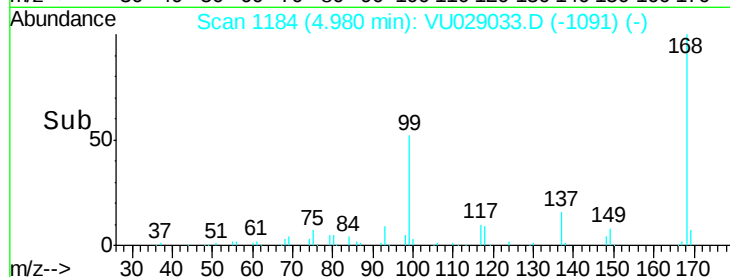
0

4.90

5.00

5.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU029033.D

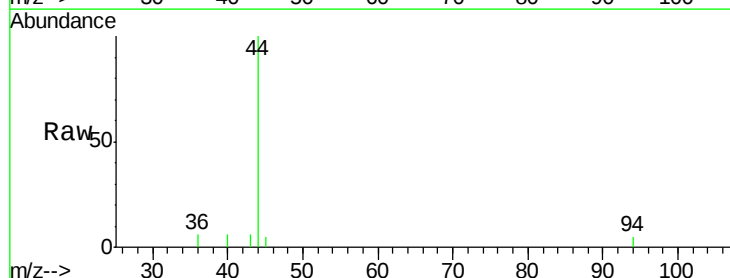
Acq: 04 Jan 2019 17:29

Tgt Ion: 94 Resp: 78

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) (-)

1.61

100

50

0

1.59

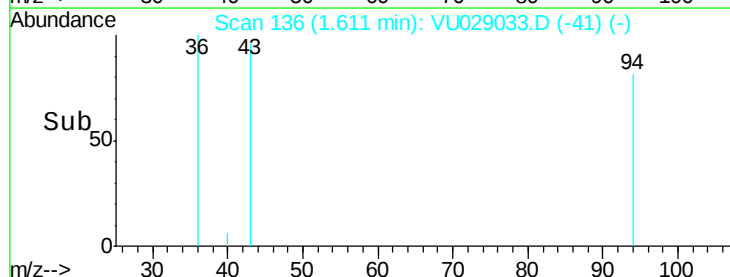
1.60

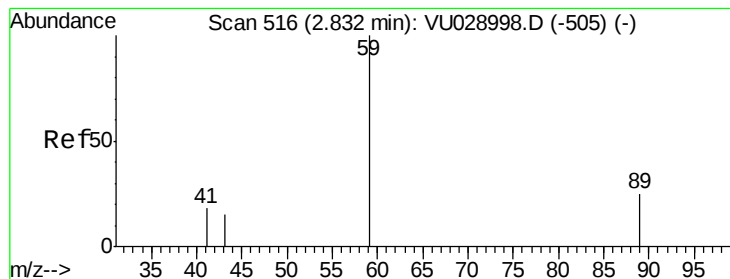
1.61

1.62

1.63

Time-->



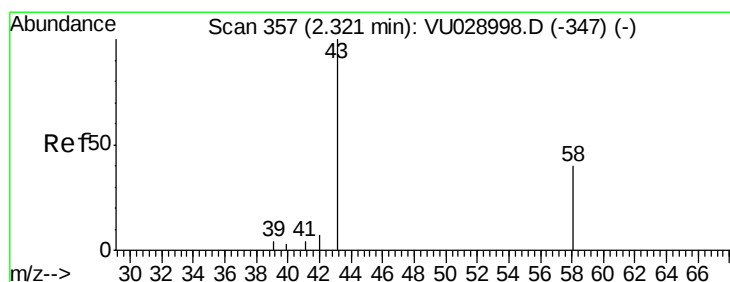
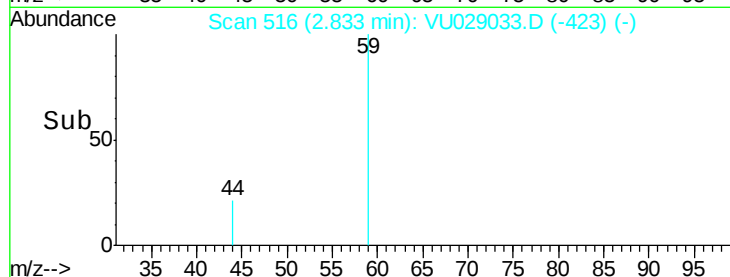
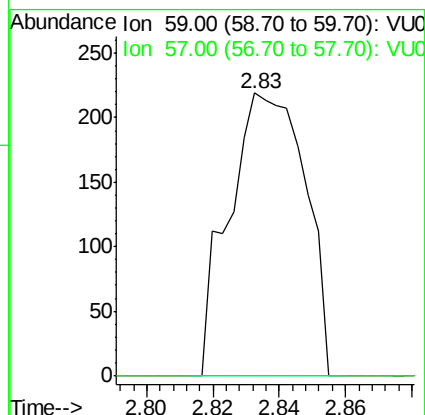
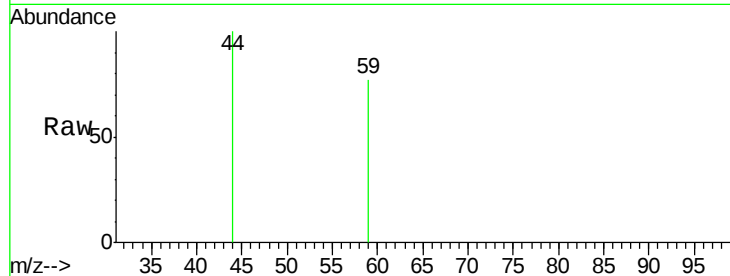


#11

Tert butyl alcohol
 Concen: 0.972 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VU029033.D
 Acq: 04 Jan 2019 17:29

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-5

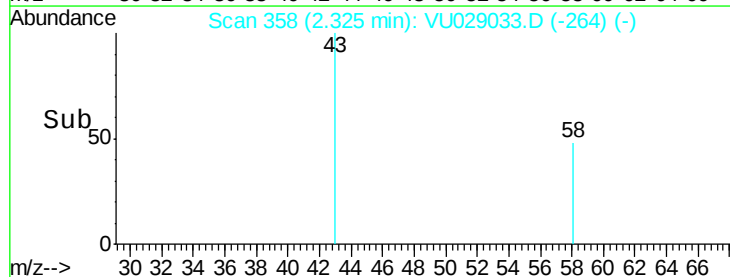
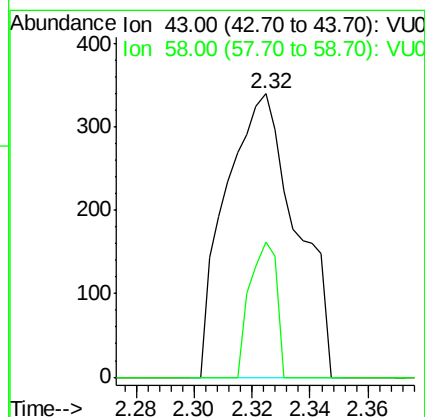
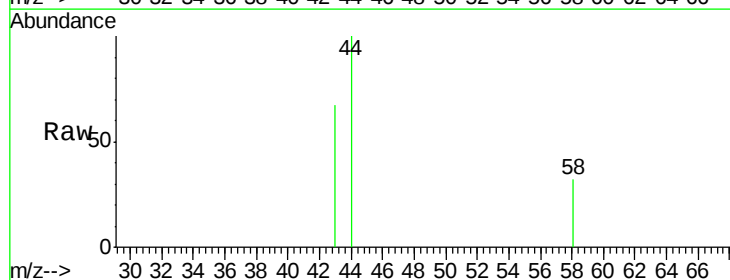
Tot Ion: 59 Resp: 350
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

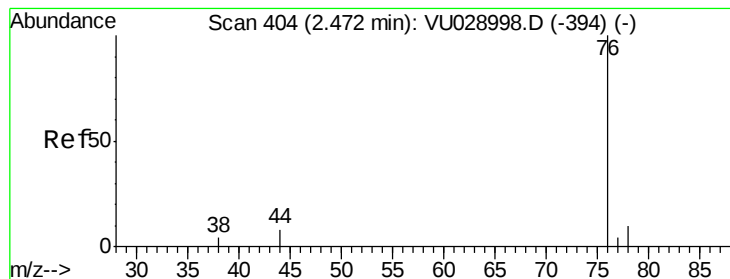


#16

Acetone
 Concen: 0.642 ug/l
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU029033.D
 Acq: 04 Jan 2019 17:29

Tgt Ion: 43 Resp: 573
 Ion Ratio Lower Upper
 43 100
 58 47.6 28.6 42.8#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029033.D

Acq: 04 Jan 2019 17:29

Instrument :

MSVOA_U

ClientSampleId :

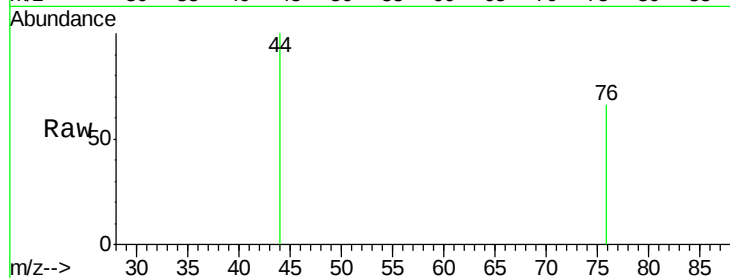
MW-5

Tot Ion: 76 Resp: 385

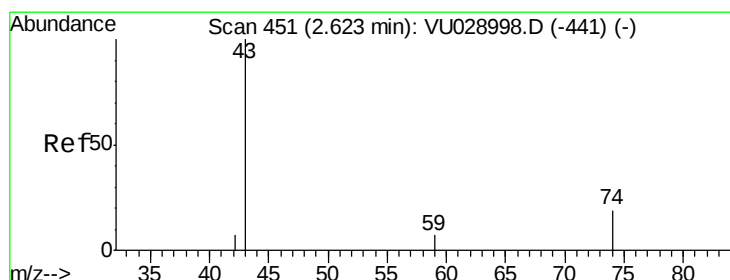
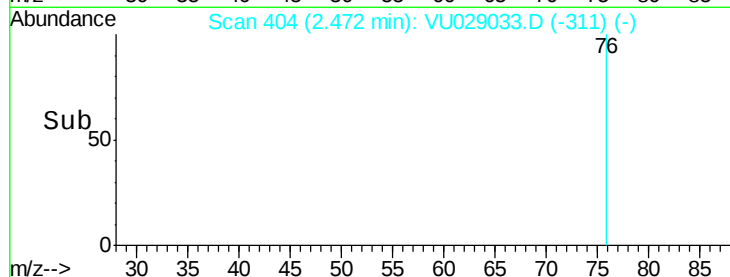
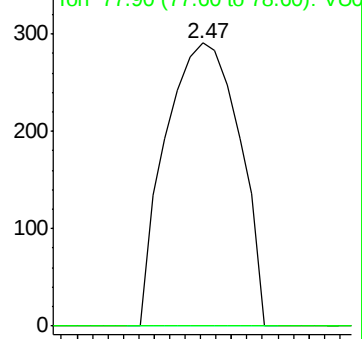
Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU029033.D (-311) (-)



#18

Methyl Acetate

Concen: 0.241 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU029033.D

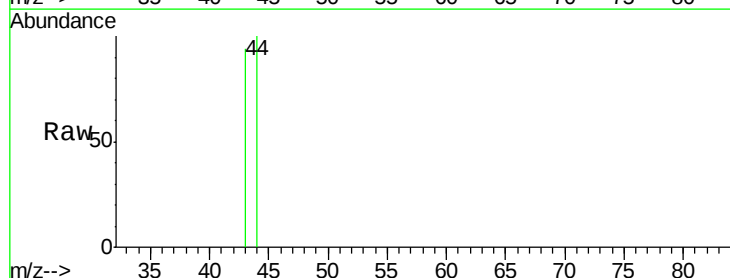
Acq: 04 Jan 2019 17:29

Tgt Ion: 43 Resp: 500

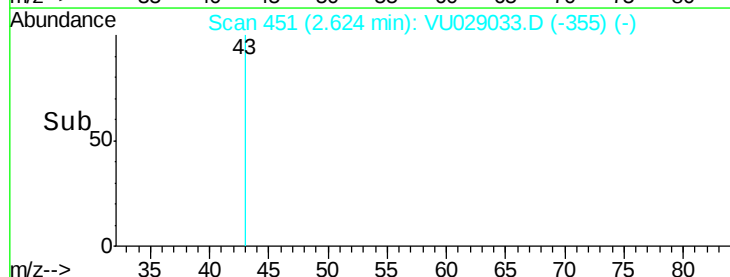
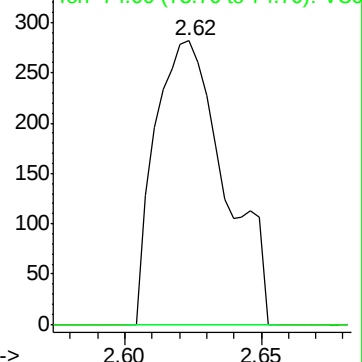
Ion Ratio Lower Upper

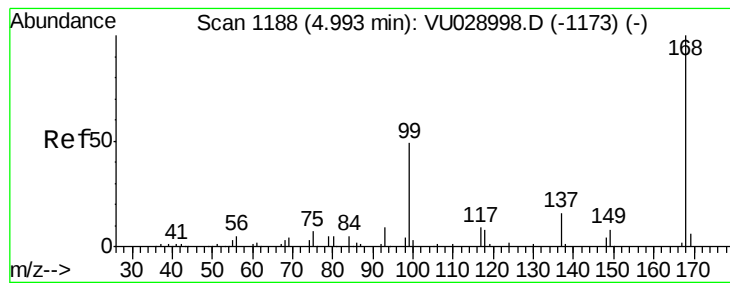
43 100

74 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VU029033.D (-355) (-)





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VU029033.D

Acq: 04 Jan 2019 17:29

Instrument :

MSVOA_U

ClientSampleId :

MW-5

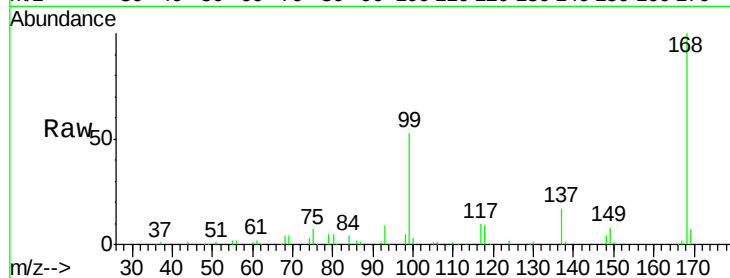
Tot Ion: 56 Resp: 2072

Ion Ratio Lower Upper

56 100

69 167.8 26.7 40.1#

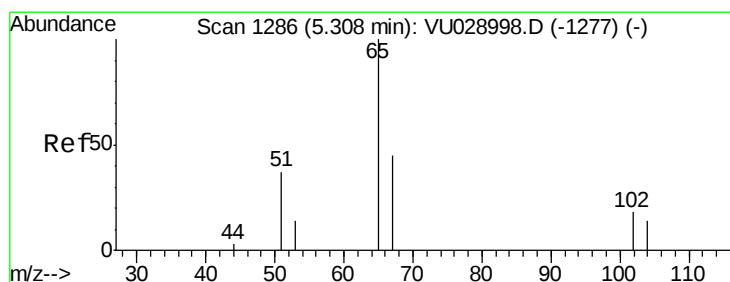
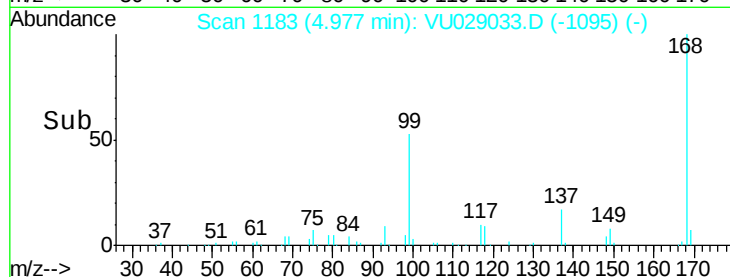
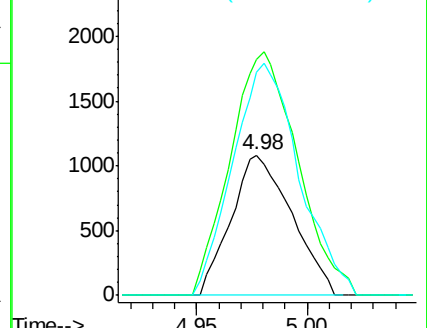
84 158.7 65.7 98.5#



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: 53.569 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU029033.D

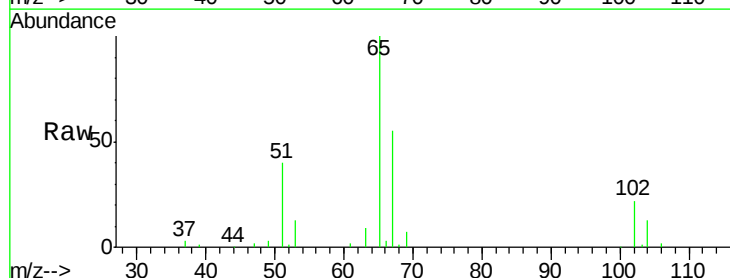
Acq: 04 Jan 2019 17:29

Tgt Ion: 65 Resp: 75870

Ion Ratio Lower Upper

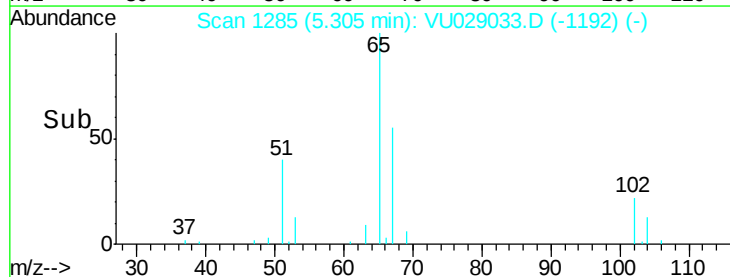
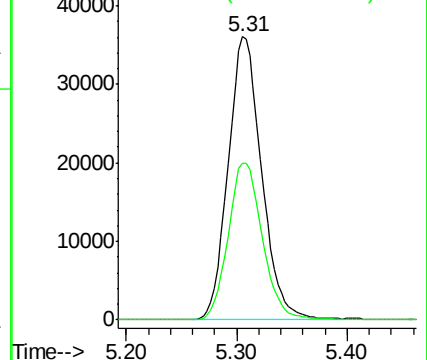
65 100

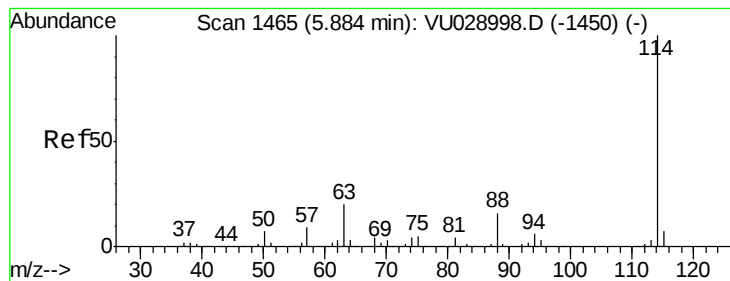
67 56.7 0.0 111.0



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: VU029033.D

Acq: 04 Jan 2019 17:29

Instrument :

MSVOA_U

ClientSampleId :

MW-5

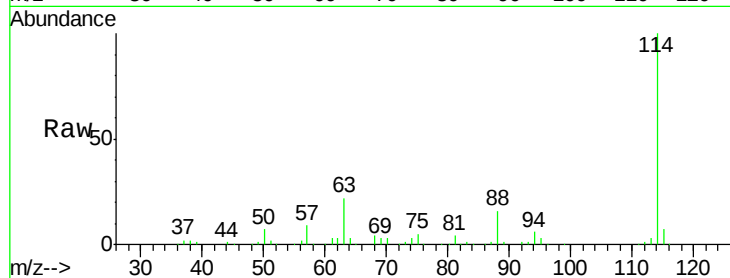
Tot Ion:114 Resp: 194413

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.2

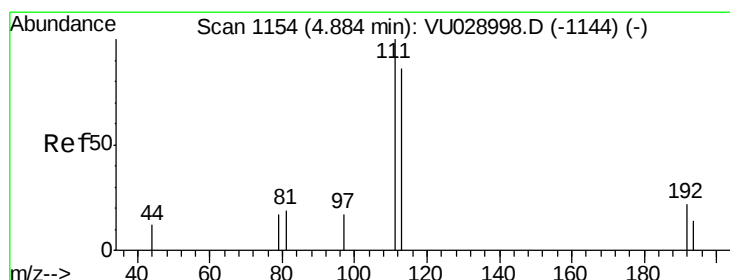
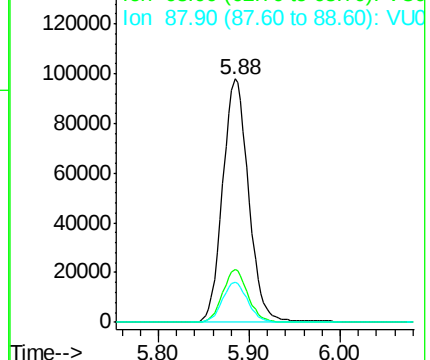
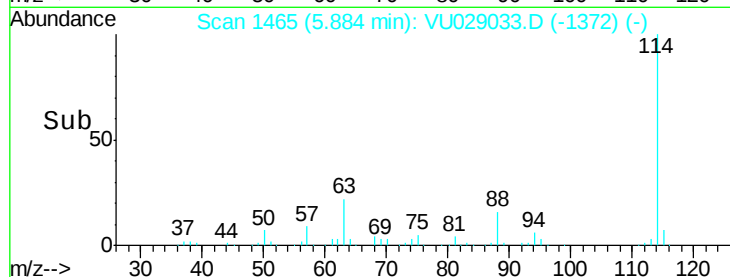
88 16.3 0.0 30.4



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: 51.481 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029033.D

Acq: 04 Jan 2019 17:29

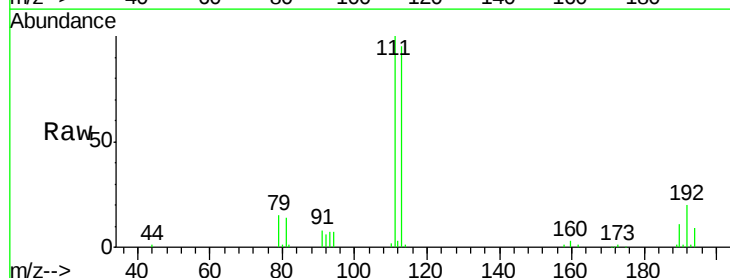
Tgt Ion:113 Resp: 64879

Ion Ratio Lower Upper

113 100

111 104.6 81.4 122.2

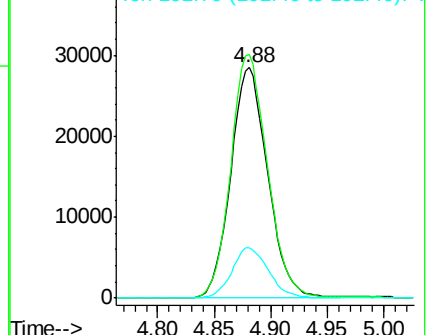
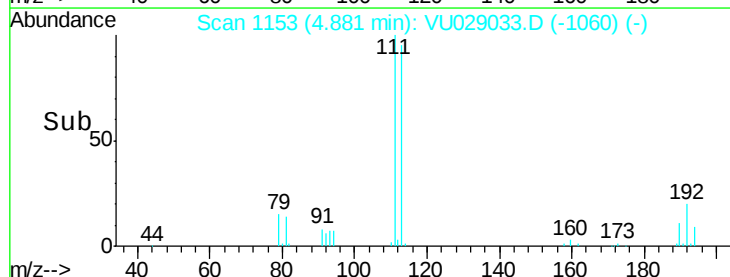
192 21.4 16.8 25.2

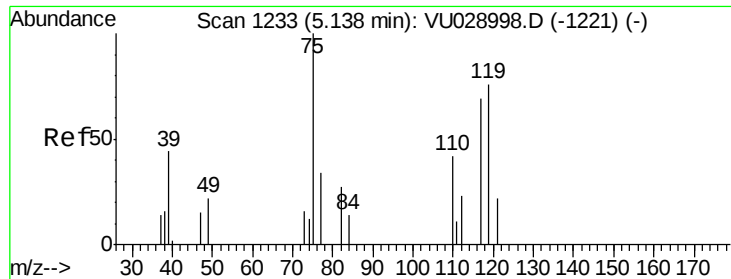


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

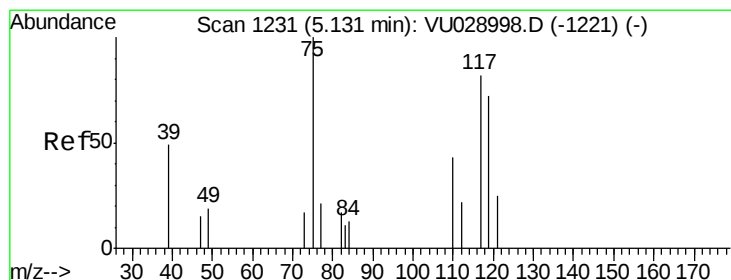
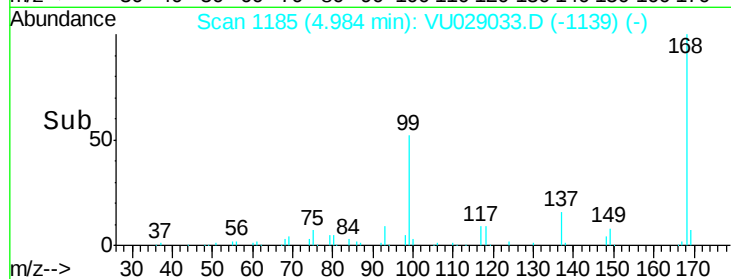
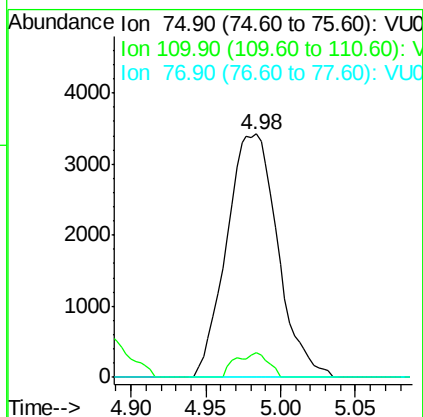
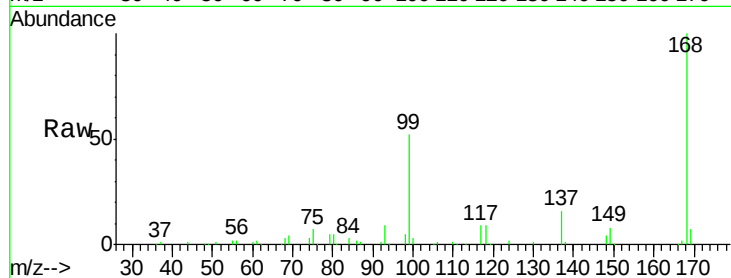




#36
 1,1-Dichloropropene
 Concen: 4.182 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU029033.D
 Acq: 04 Jan 2019 17:29

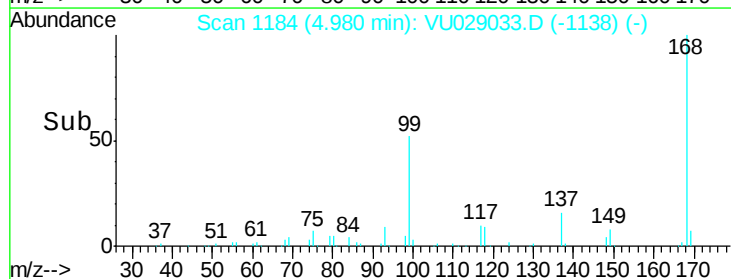
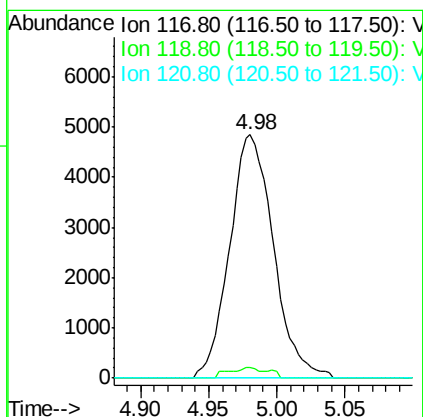
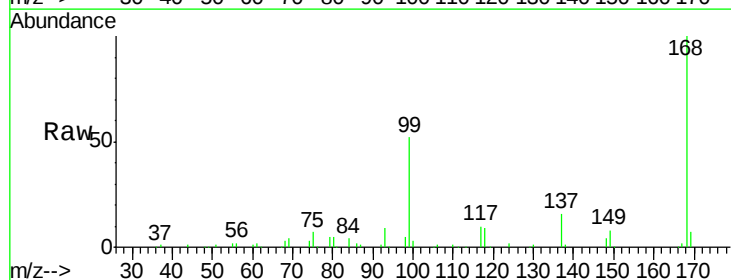
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-5

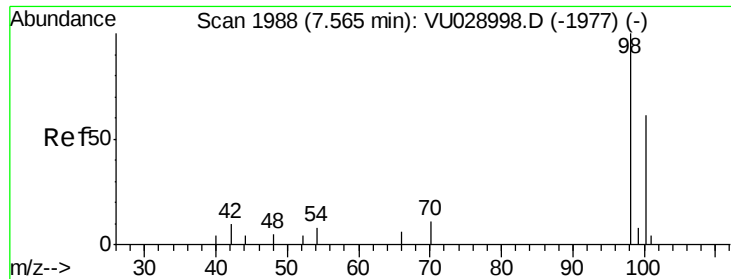
Tot Ion: 75 Resp: 8127
 Ion Ratio Lower Upper
 75 100
 110 6.5 18.4 55.4#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.678 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029033.D
 Acq: 04 Jan 2019 17:29

Tgt Ion: 117 Resp: 10824
 Ion Ratio Lower Upper
 117 100
 119 4.4 74.6 111.8#
 121 0.0 25.0 37.6#

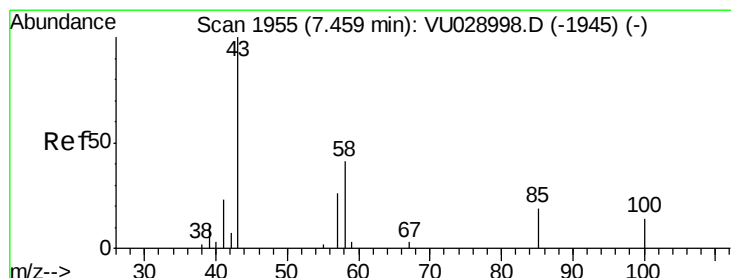
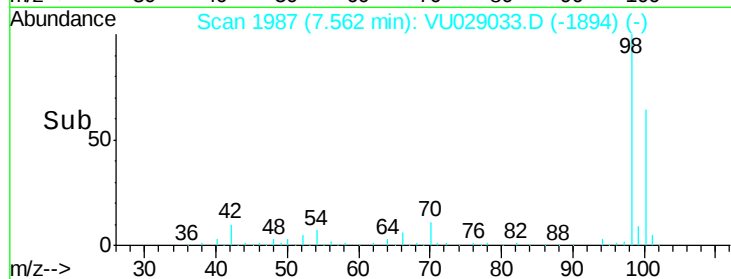
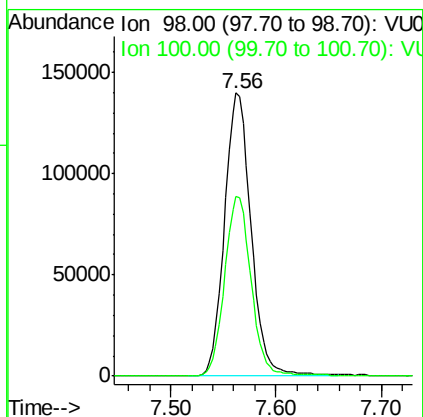
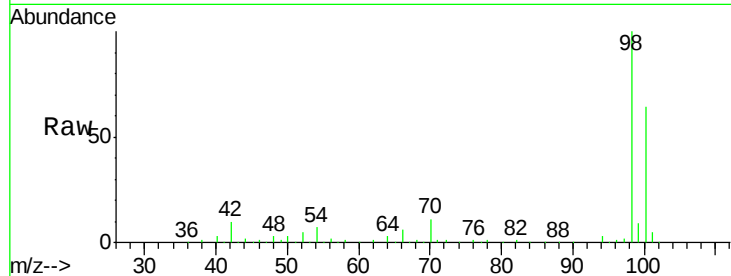




#50
Toluene-d8
Concen: 49.039 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029033.D
Acq: 04 Jan 2019 17:29

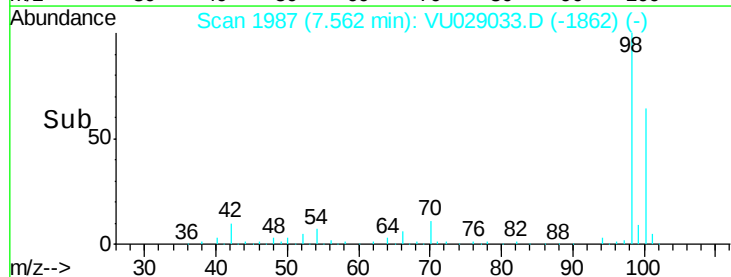
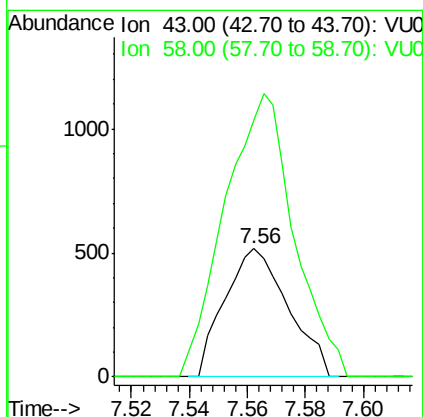
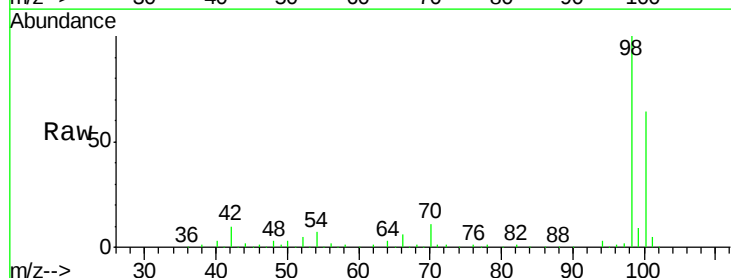
Instrument :
MSVOA_U
ClientSampleId :
MW-5

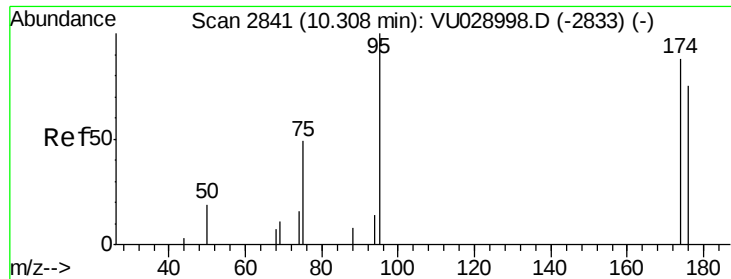
Tot Ion: 98 Resp: 243985
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.354 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.10 min
Lab File: VU029033.D
Acq: 04 Jan 2019 17:29

Tgt Ion: 43 Resp: 788
Ion Ratio Lower Upper
43 100
58 240.1 33.9 50.9#

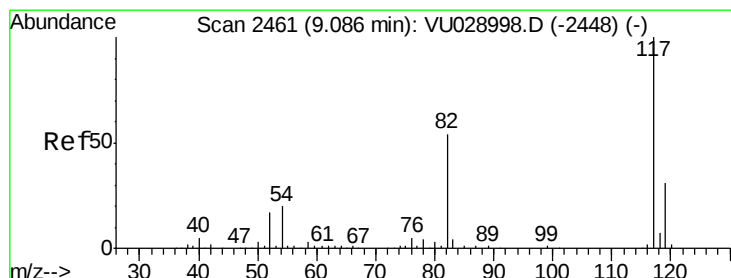
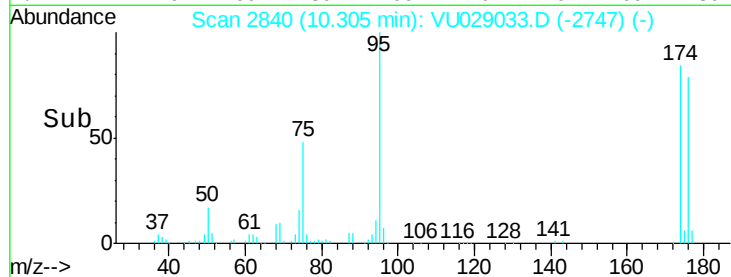
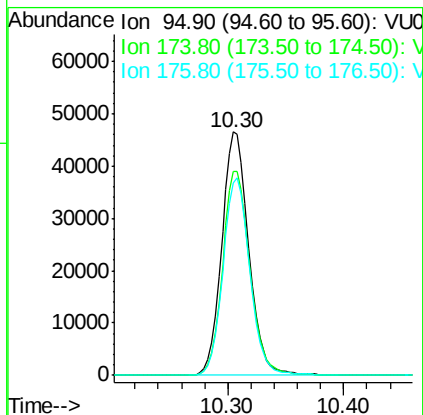
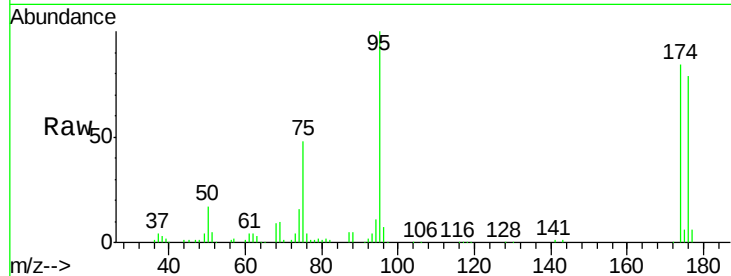




#62
4-Bromofluorobenzene
Concen: 42.004 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029033.D
Acq: 04 Jan 2019 17:29

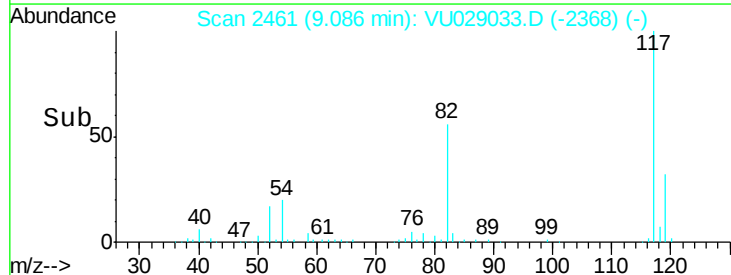
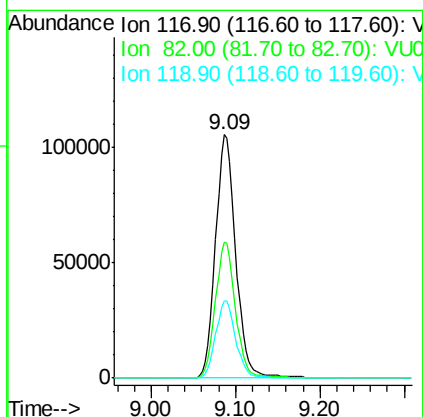
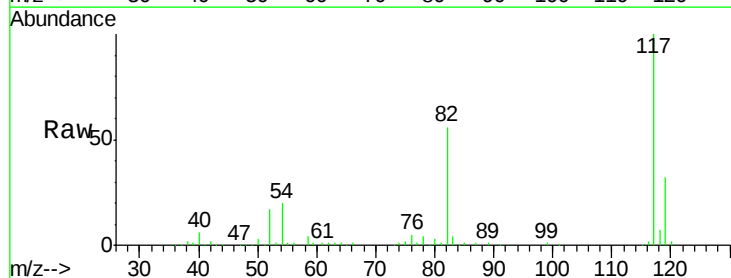
Instrument :
MSVOA_U
ClientSampleId :
MW-5

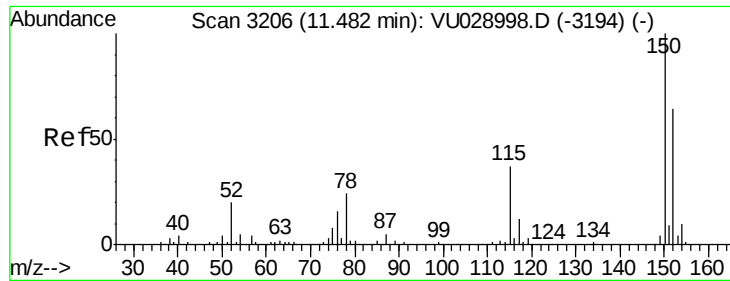
Tot Ion: 95 Resp: 75104
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.6
176 80.8 0.0 165.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029033.D
Acq: 04 Jan 2019 17:29

Tgt Ion: 117 Resp: 176683
Ion Ratio Lower Upper
117 100
82 56.0 43.9 65.9
119 31.9 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029033.D

Acq: 04 Jan 2019 17:29

Instrument :

MSVOA_U

ClientSampleId :

MW-5

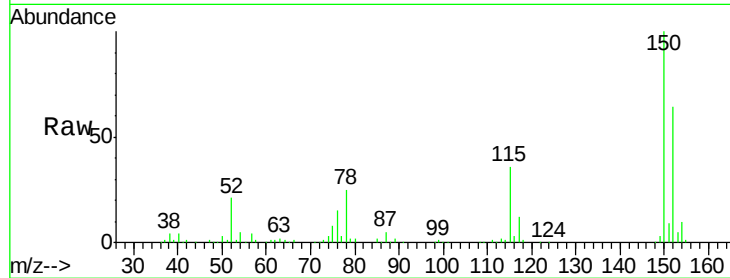
Tot Ion:152 Resp: 68684

Ion Ratio Lower Upper

152 100

115 56.0 40.1 120.3

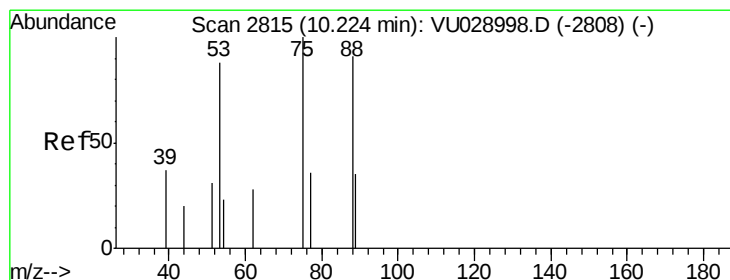
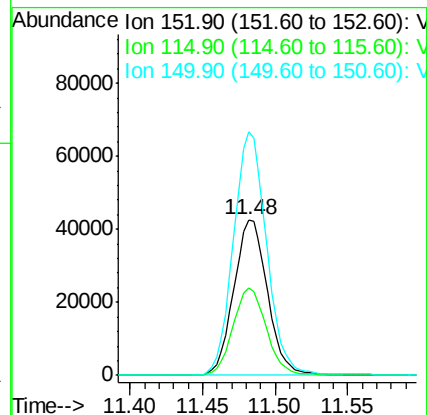
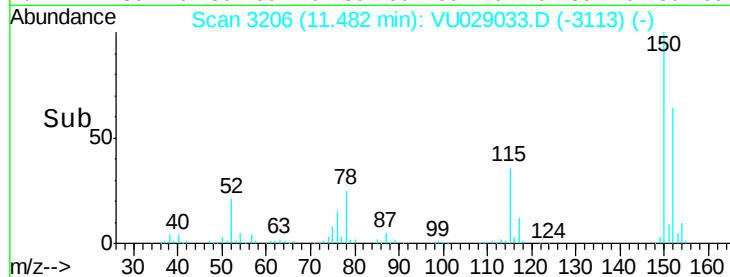
150 155.3 0.0 345.2



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: 21.438 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029033.D

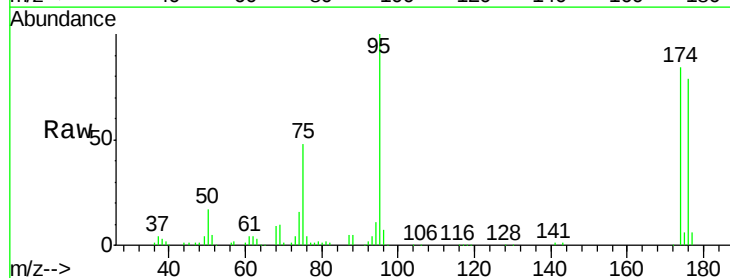
Acq: 04 Jan 2019 17:29

Tgt Ion: 75 Resp: 36077

Ion Ratio Lower Upper

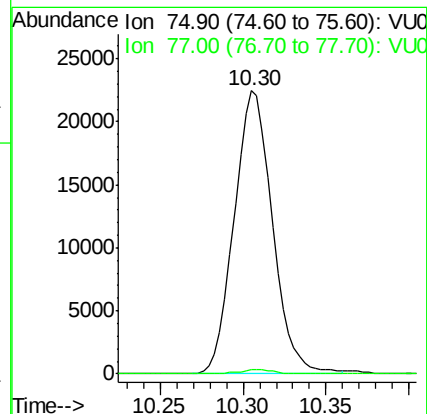
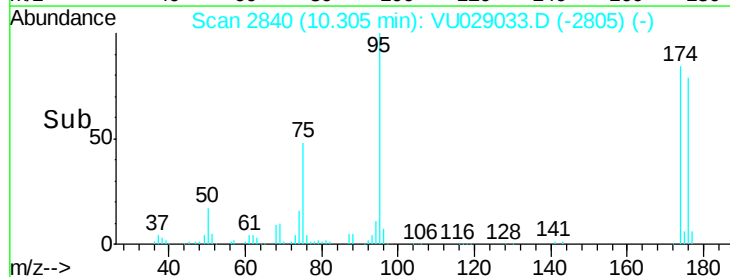
75 100

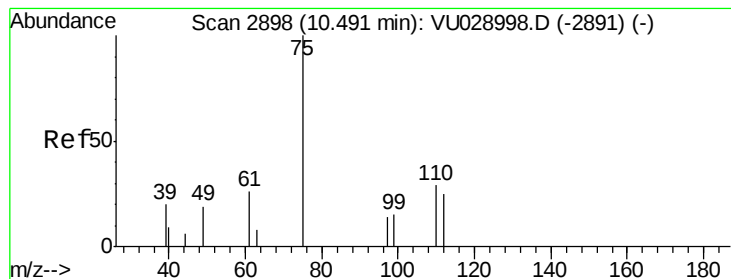
77 1.2 20.9 62.8#



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: 55.289 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029033.D

Acq: 04 Jan 2019 17:29

Instrument :

MSVOA_U

ClientSampleId :

MW-5

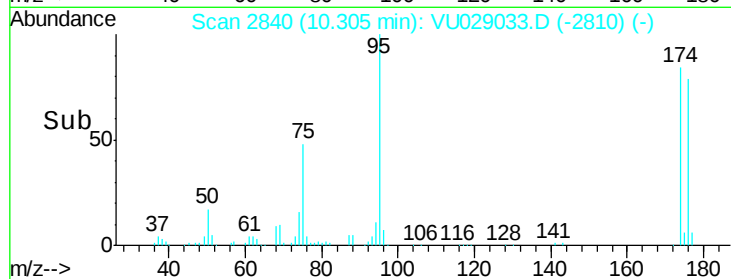
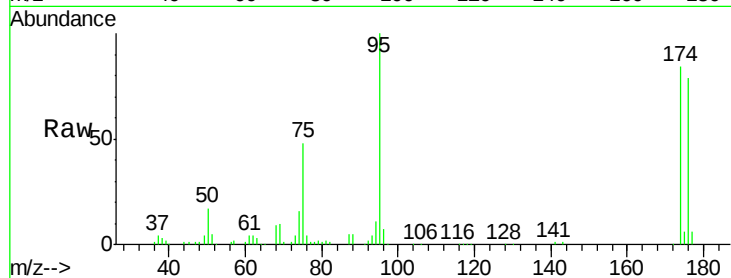
Tot Ion: 75 Resp: 36077

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

