

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025126.D
 Acq On : 01 Jul 2018 07:45
 Operator : MD/SY
 Sample : J3789-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

Quant Time: Jul 02 05:49:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

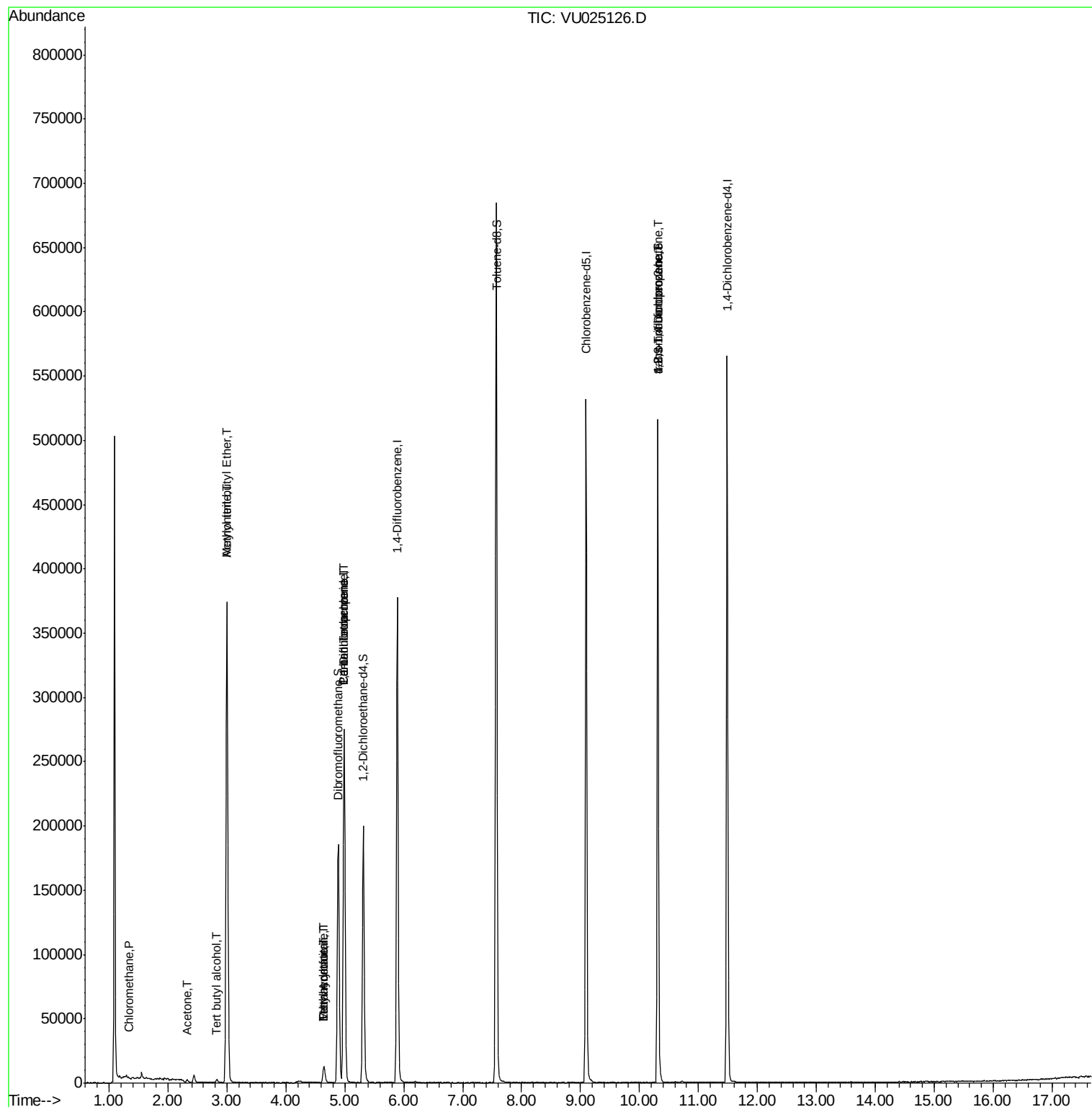
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	210330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	316868	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	294365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149808	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	161851	47.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.28%	
35) Dibromofluoromethane	4.89	113	124504	47.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.68%	
50) Toluene-d8	7.57	98	454651	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
62) 4-Bromofluorobenzene	10.31	95	166884	43.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.64%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	636	0.236	ug/l	98
6) Chloroethane	1.70	64	40	Below Cal	#	43
11) Tert butyl alcohol	2.82	59	1179	1.412	ug/l #	72
15) Acrylonitrile	3.00	53	3961	2.438	ug/l #	28
16) Acetone	2.32	43	2075	1.125	ug/l	89
19) Methyl tert-butyl Ether	3.00	73	400574	44.496	ug/l	96
29) Tetrahydrofuran	4.64	42	9919	6.463	ug/l	95
31) Cyclohexane	4.99	56	4370	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16298	4.377	ug/l #	51
37) Ethyl Acetate	4.64	43	1972	0.486	ug/l #	72
38) Carbon Tetrachloride	4.99	117	20402	4.983	ug/l #	15
41) Methacrylonitrile	4.64	41	6227	2.846	ug/l #	47
76) 1,2,3-Trichloropropane	10.31	75	89737	27.208	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	89737	62.970	ug/l #	100

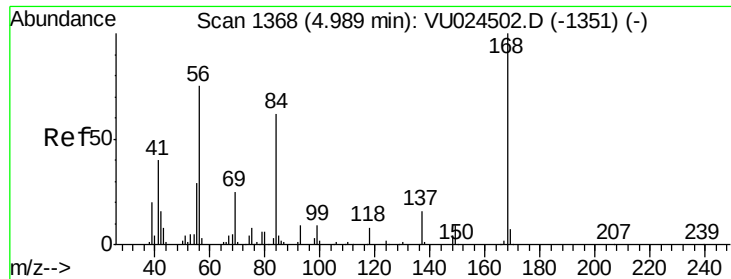
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025126.D

Acq: 01 Jul 2018 07:45

Instrument :

MSVOA_U

ClientSampleId :

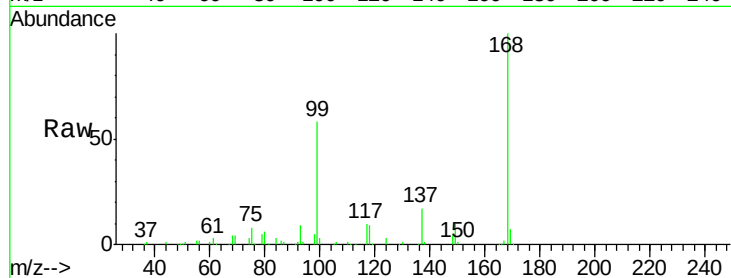
MW-4

Tgt Ion:168 Resp: 210330

Ion Ratio Lower Upper

168 100

99 58.3 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

100000

80000

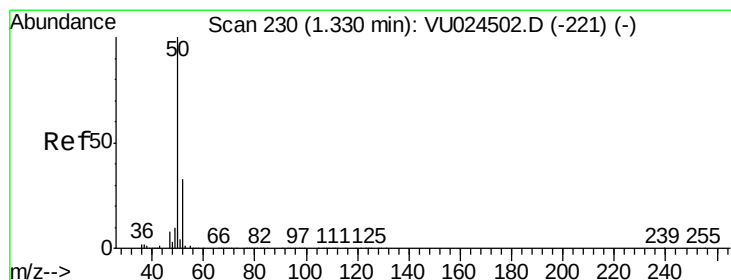
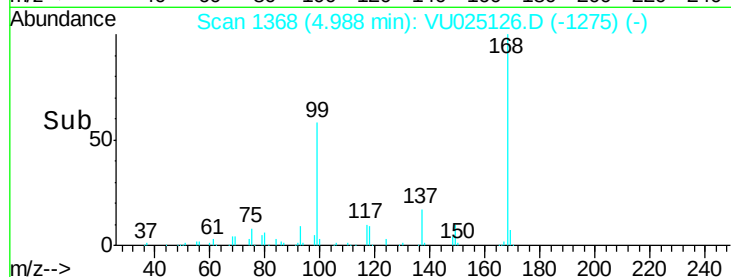
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.236 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025126.D

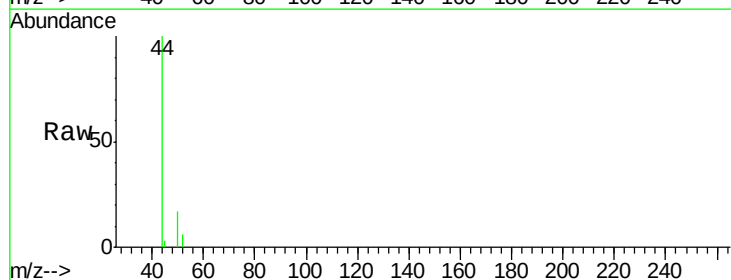
Acq: 01 Jul 2018 07:45

Tgt Ion: 50 Resp: 636

Ion Ratio Lower Upper

50 100

52 32.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)

1.33

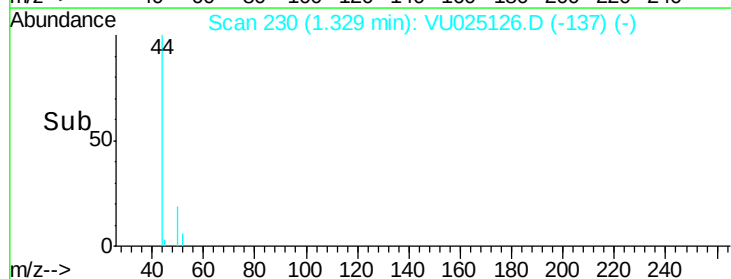
600

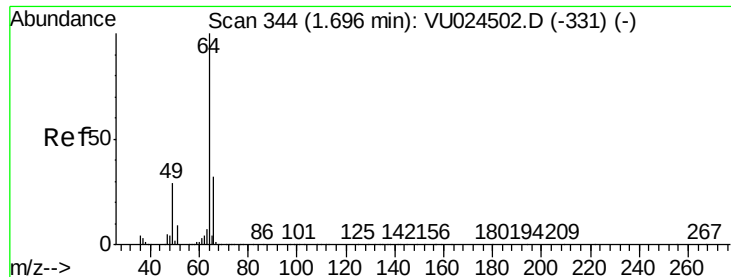
400

200

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025126.D

Acq: 01 Jul 2018 07:45

Instrument :

MSVOA_U

ClientSampleId :

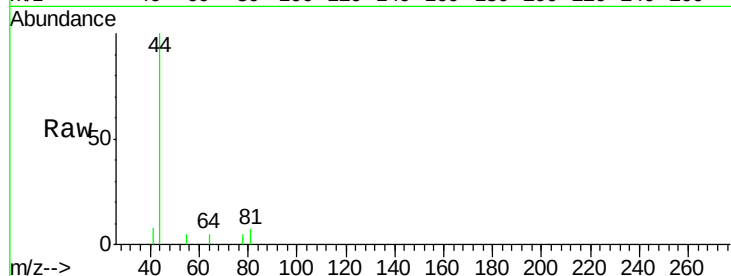
MW-4

Tgt Ion: 64 Resp: 40

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

100

80

60

40

20

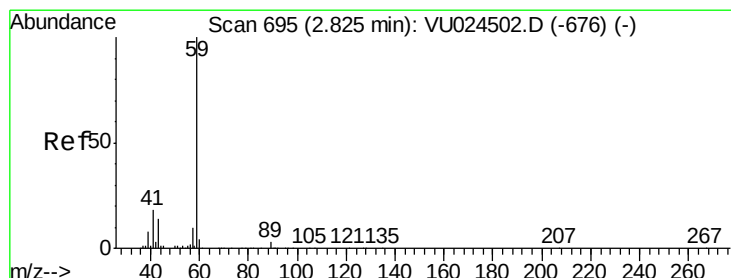
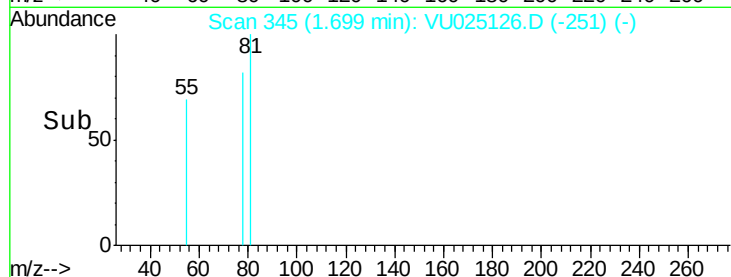
0

Time-->

1.69

1.70

1.71



#11

Tert butyl alcohol

Concen: 1.412 ug/l

RT: 2.82 min Scan# 693

Delta R.T. -0.01 min

Lab File: VU025126.D

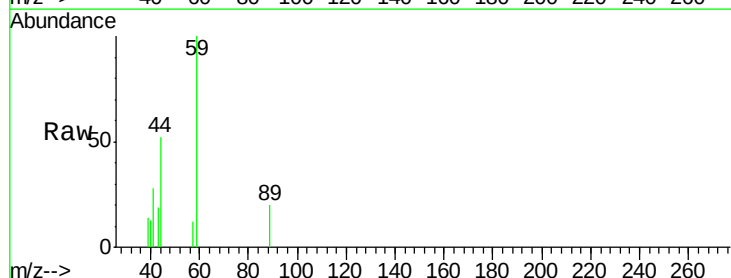
Acq: 01 Jul 2018 07:45

Tgt Ion: 59 Resp: 1179

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.82

1000

800

600

400

200

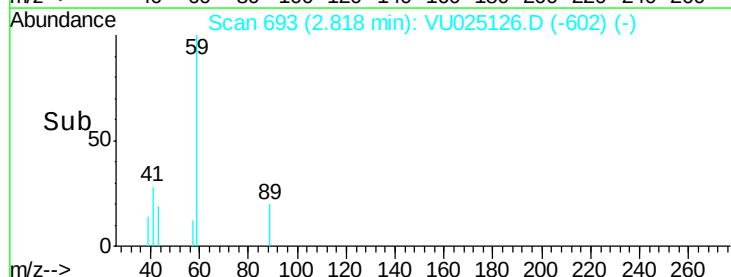
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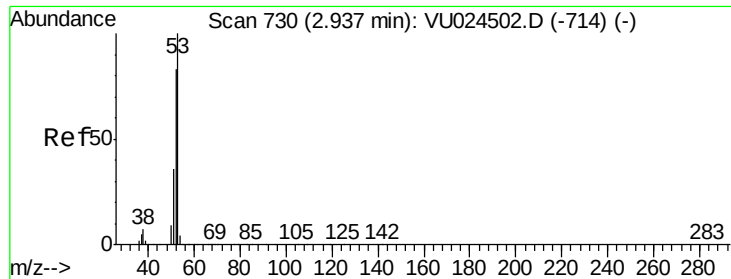
Time-->

2.78

2.80

2.82





#15

Acrylonitrile

Concen: 2.438 ug/l

RT: 3.00 min Scan# 749

Delta R.T. 0.06 min

Lab File: VU025126.D

Acq: 01 Jul 2018 07:45

Instrument :

MSVOA_U

ClientSampleId :

MW-4

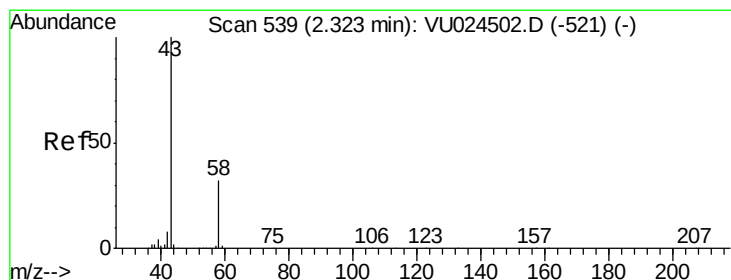
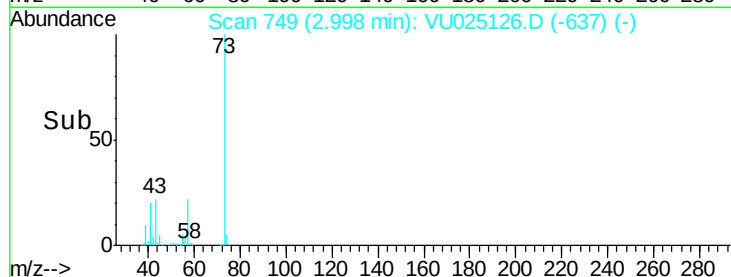
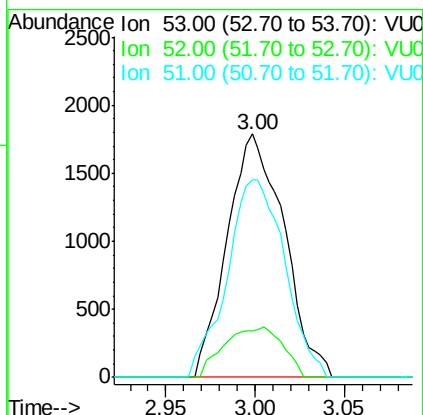
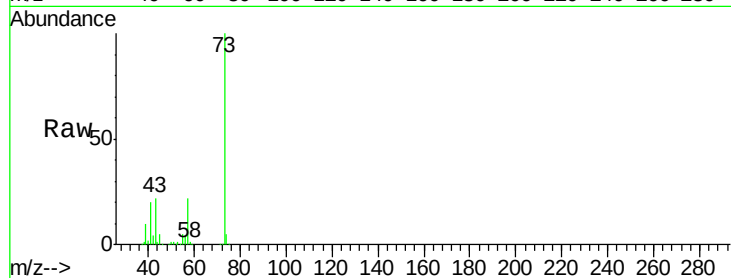
Tgt Ion: 53 Resp: 3961

Ion Ratio Lower Upper

53 100

52 21.3 67.1 100.7#

51 82.4 28.4 42.6#



#16

Acetone

Concen: 1.125 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025126.D

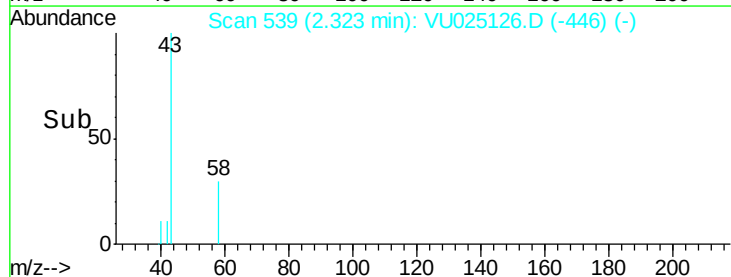
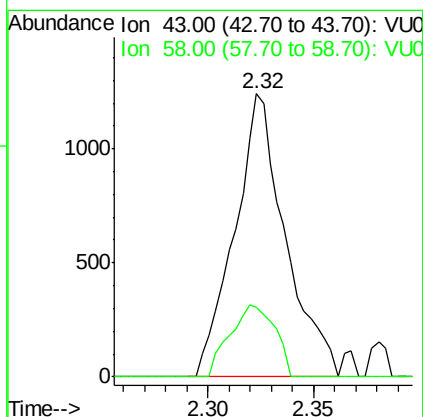
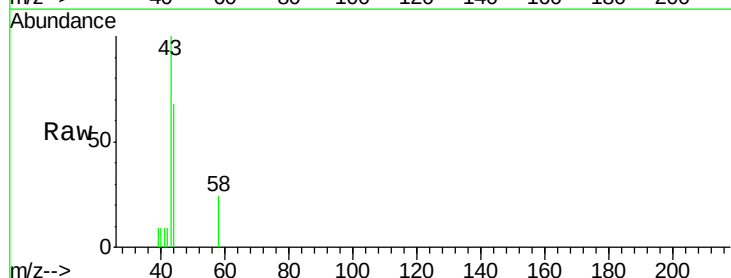
Acq: 01 Jul 2018 07:45

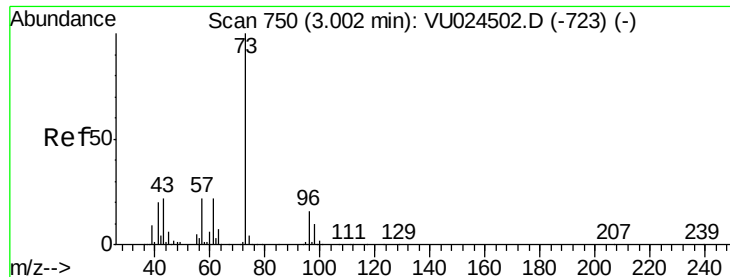
Tgt Ion: 43 Resp: 2075

Ion Ratio Lower Upper

43 100

58 24.5 24.4 36.6

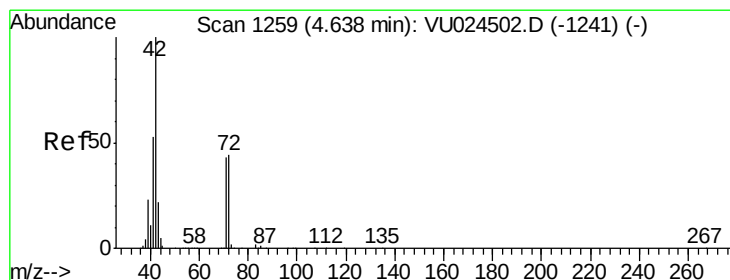
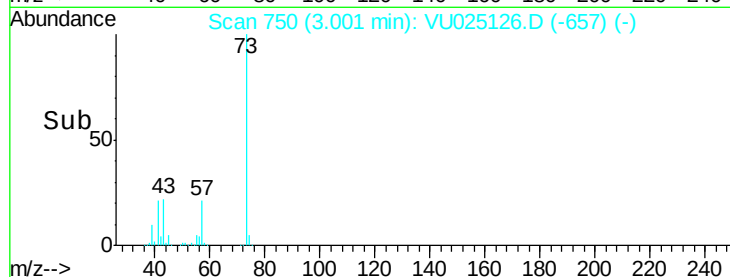
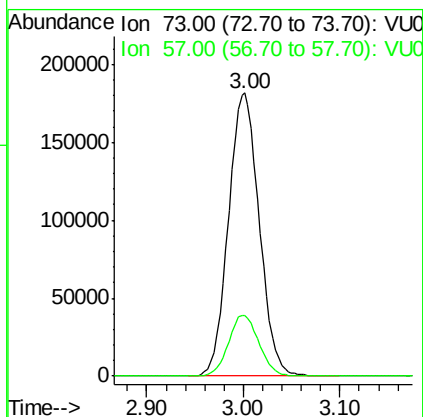
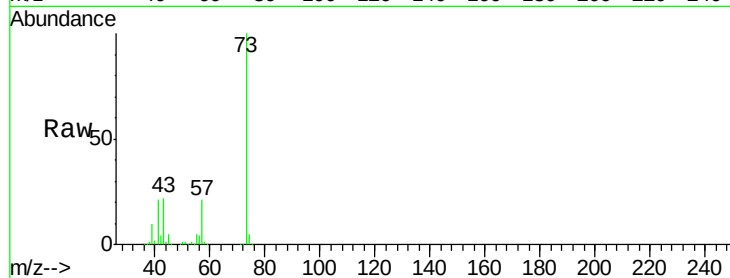




#19
Methyl tert-butyl Ether
Concen: 44.496 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025126.D
Acq: 01 Jul 2018 07:45

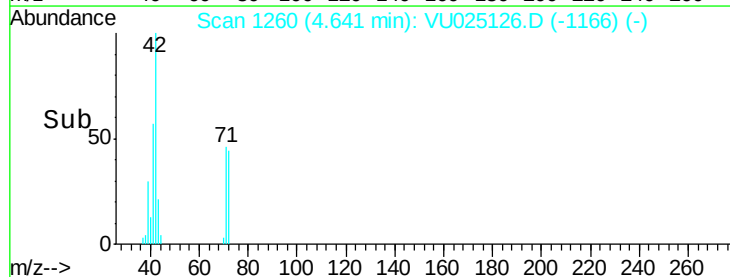
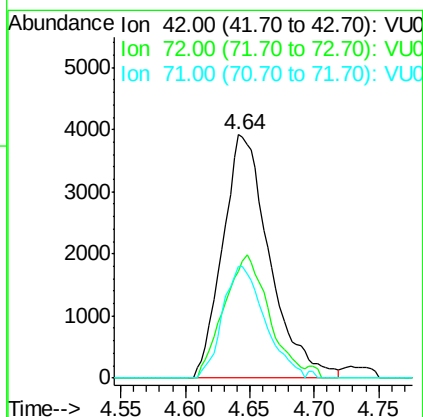
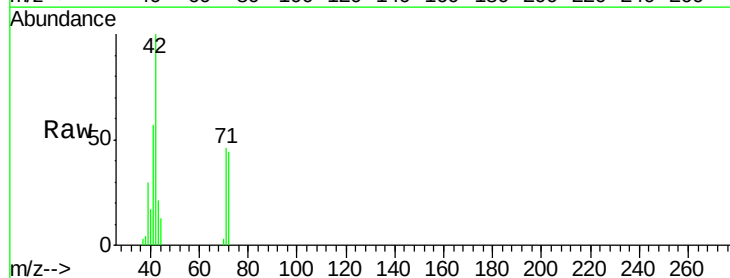
Instrument :
MSVOA_U
ClientSampleId :
MW-4

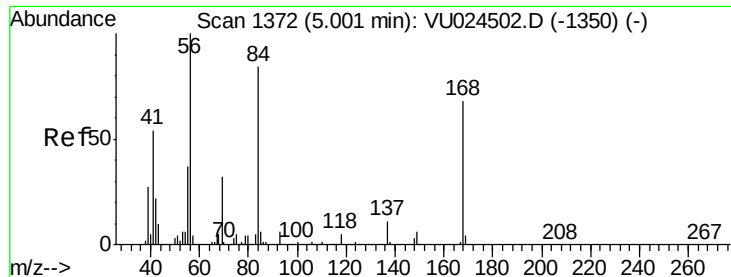
Tgt Ion: 73 Resp: 400574
Ion Ratio Lower Upper
73 100
57 21.4 18.8 28.2



#29
Tetrahydrofuran
Concen: 6.463 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025126.D
Acq: 01 Jul 2018 07:45

Tgt Ion: 42 Resp: 9919
Ion Ratio Lower Upper
42 100
72 48.1 34.5 51.7
71 41.1 32.2 48.4

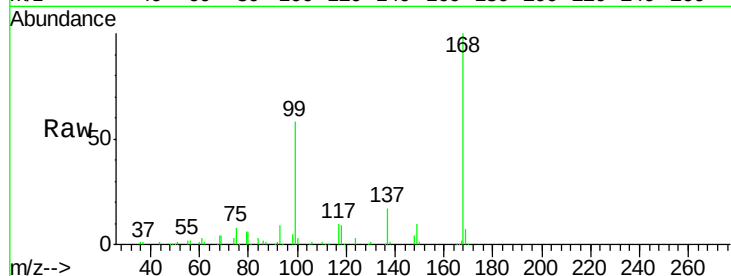




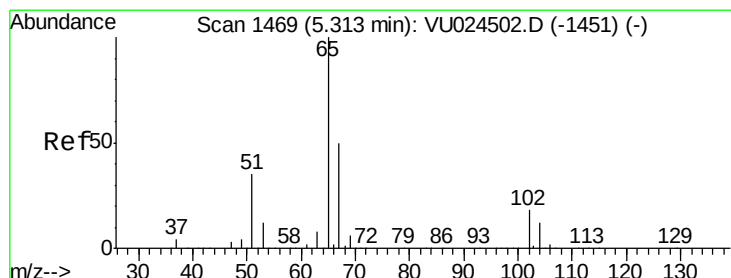
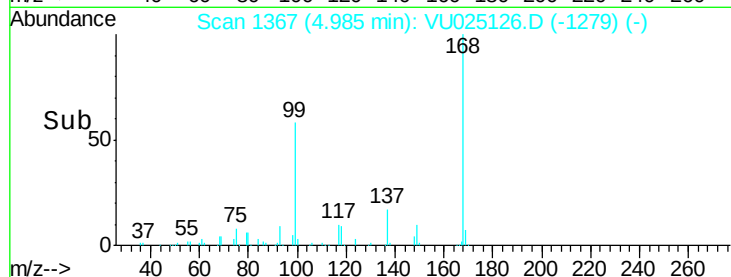
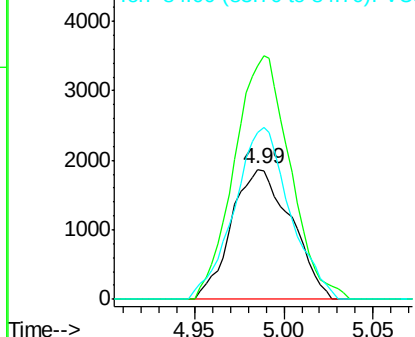
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025126.D
Acq: 01 Jul 2018 07:45

Instrument :
MSVOA_U
ClientSampleId :
MW-4

Tgt Ion: 56 Resp: 4370
Ion Ratio Lower Upper
56 100
69 178.7 24.8 37.2#
84 127.9 65.2 97.8#

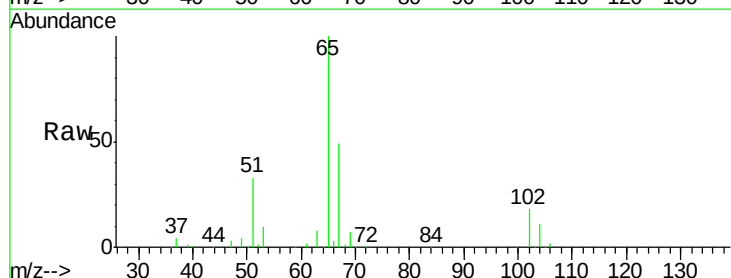


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

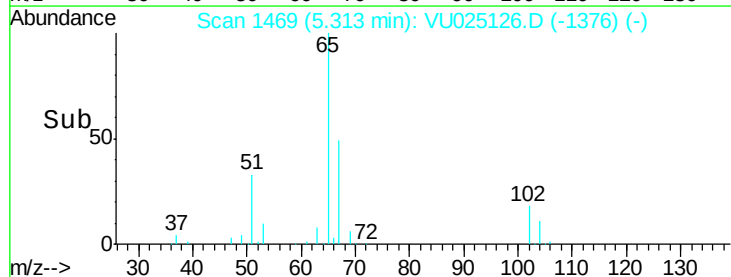
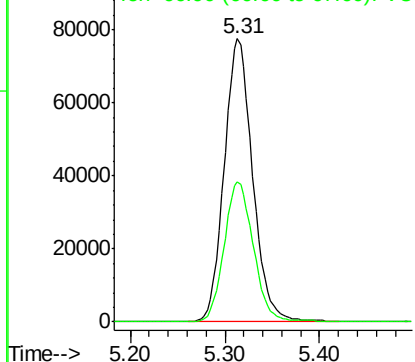


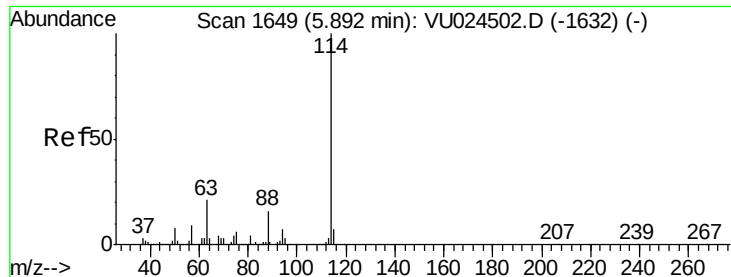
#33
1,2-Dichloroethane-d4
Concen: 47.136 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU025126.D
Acq: 01 Jul 2018 07:45

Tgt Ion: 65 Resp: 161851
Ion Ratio Lower Upper
65 100
67 51.0 0.0 107.0



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

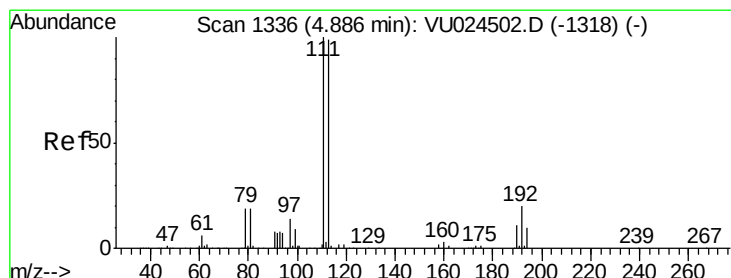
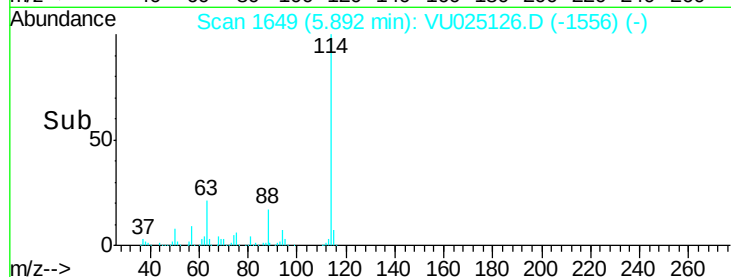
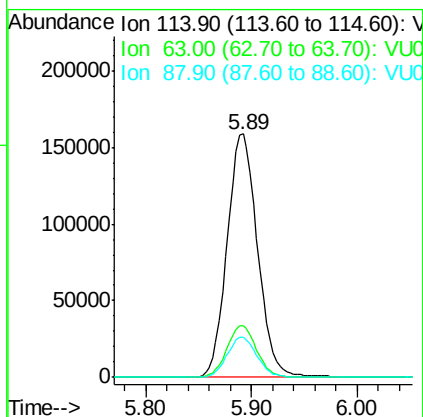
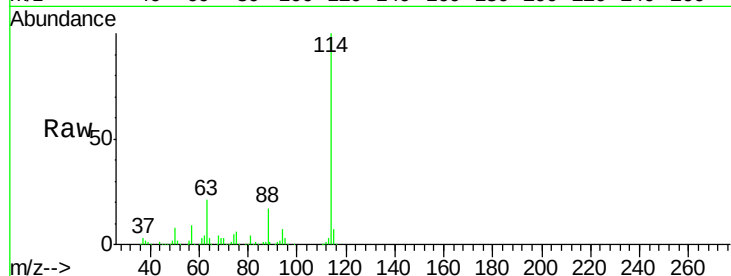




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025126.D
 Acq: 01 Jul 2018 07:45

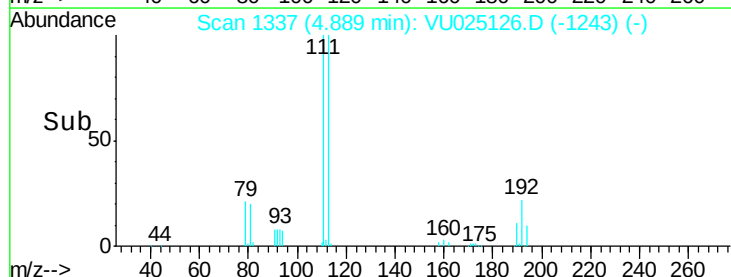
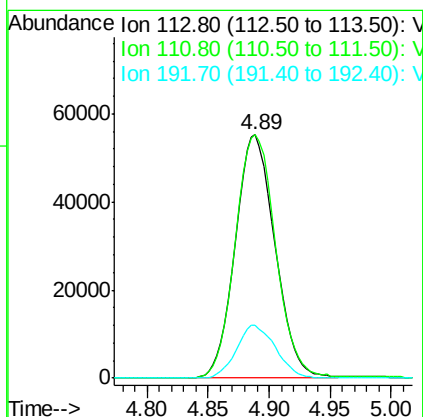
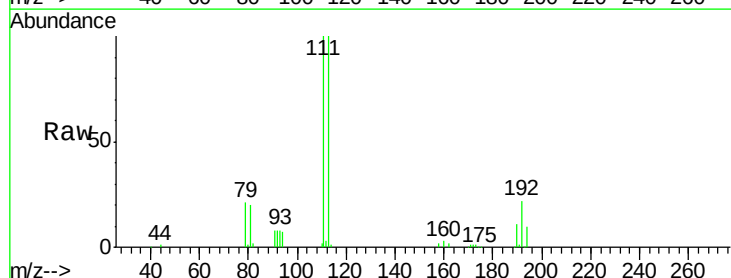
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

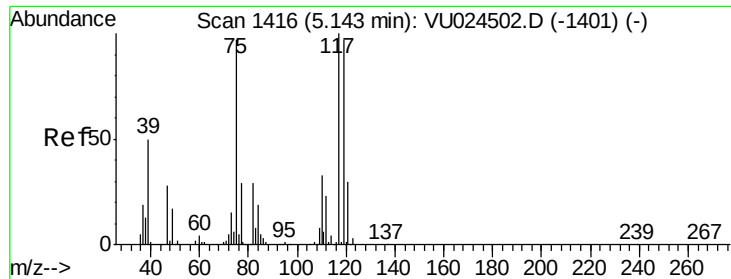
Tgt Ion:114 Resp: 316868
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.4
 88 16.7 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 47.344 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025126.D
 Acq: 01 Jul 2018 07:45

Tgt Ion:113 Resp: 124504
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.2 123.4
 192 21.4 16.2 24.4

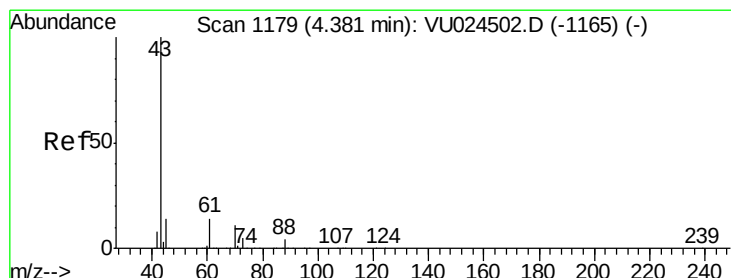
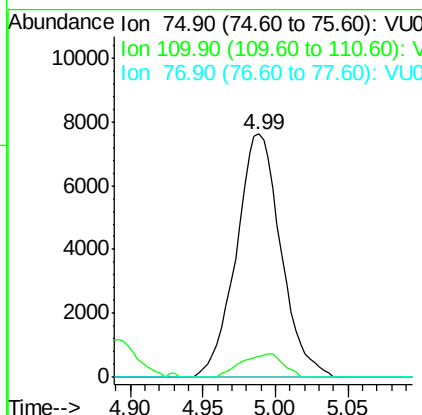
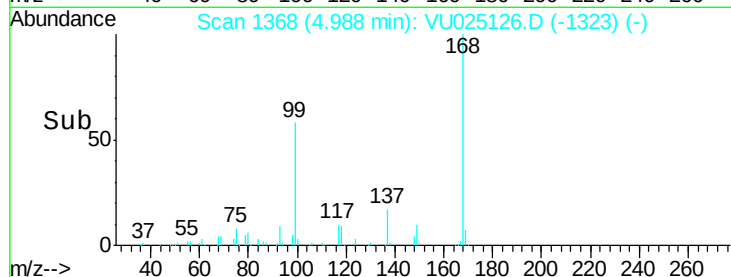
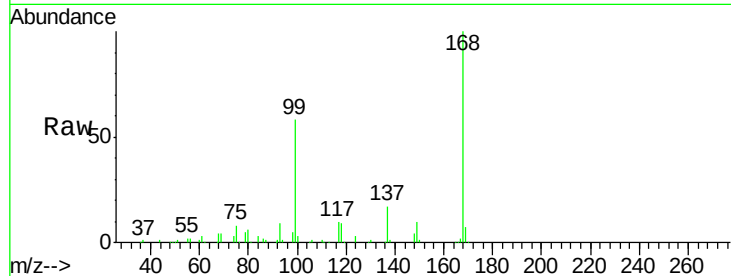




#36
 1,1-Dichloropropene
 Concen: 4.377 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025126.D
 Acq: 01 Jul 2018 07:45

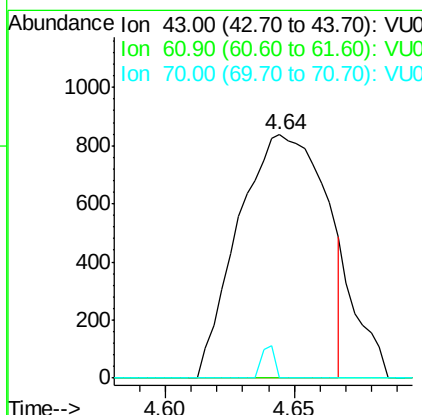
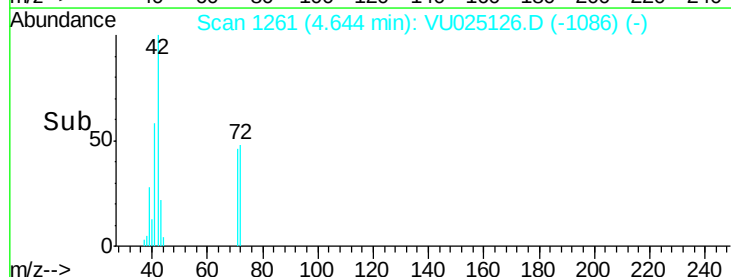
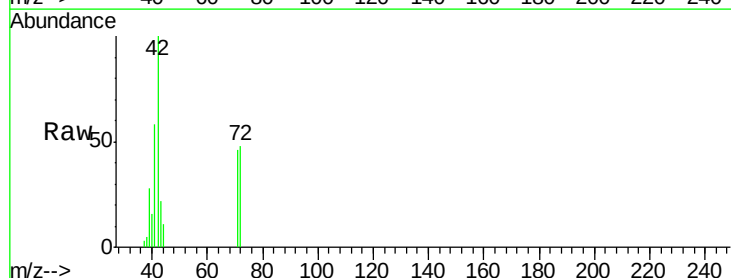
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

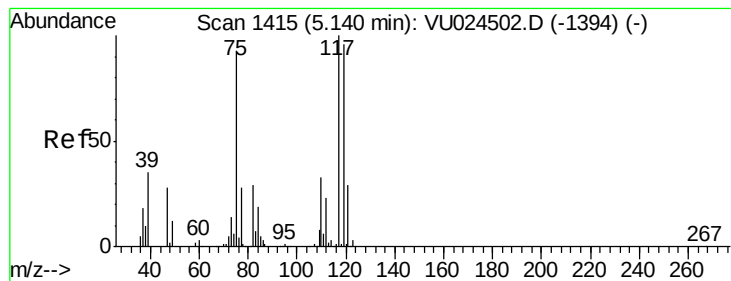
Tgt Ion: 75 Resp: 16298
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.0 50.9#
 77 0.0 24.2 36.4#



#37
 Ethyl Acetate
 Concen: 0.486 ug/l
 RT: 4.64 min Scan# 1261
 Delta R.T. 0.26 min
 Lab File: VU025126.D
 Acq: 01 Jul 2018 07:45

Tgt Ion: 43 Resp: 1972
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 2.0 7.4 11.2#





#38

Carbon Tetrachloride

Concen: 4.983 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.15 min

Lab File: VU025126.D

Acq: 01 Jul 2018 07:45

Instrument :

MSVOA_U

ClientSampleId :

MW-4

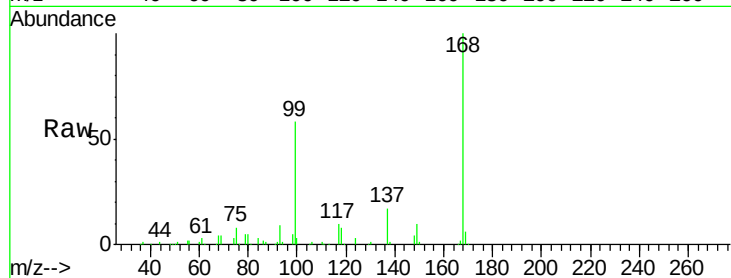
Tgt Ion:117 Resp: 20402

Ion Ratio Lower Upper

117 100

119 3.5 76.1 114.1#

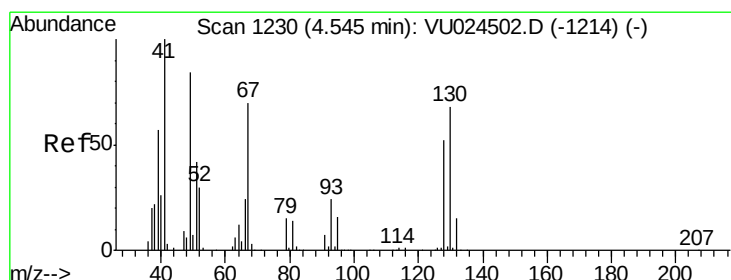
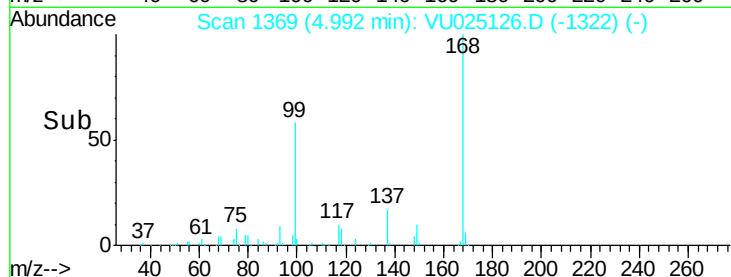
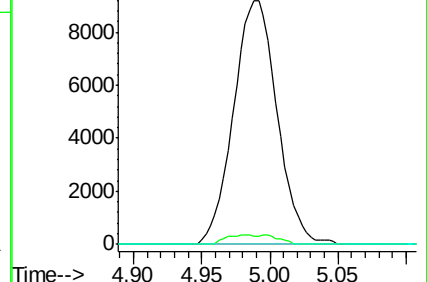
121 0.0 23.7 35.5#



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



#41

Methacrylonitrile

Concen: 2.846 ug/l

RT: 4.64 min Scan# 1261

Delta R.T. 0.10 min

Lab File: VU025126.D

Acq: 01 Jul 2018 07:45

Tgt Ion: 41 Resp: 6227

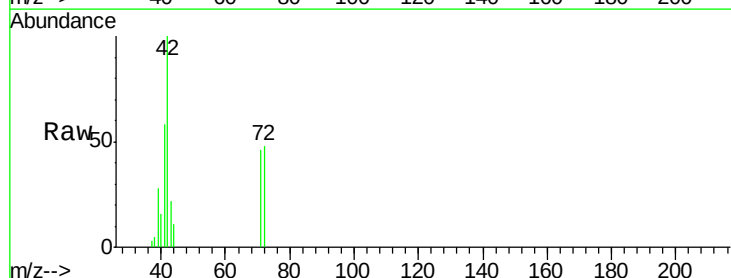
Ion Ratio Lower Upper

41 100

39 46.8 43.8 65.6

67 0.0 56.3 84.5#

52 0.0 23.2 34.8#

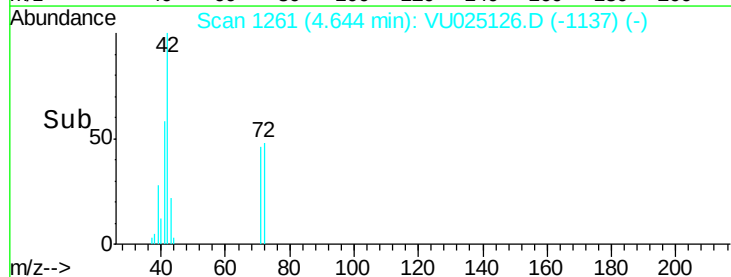
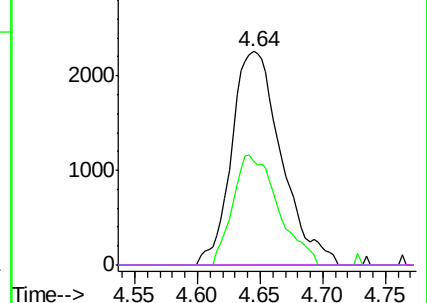


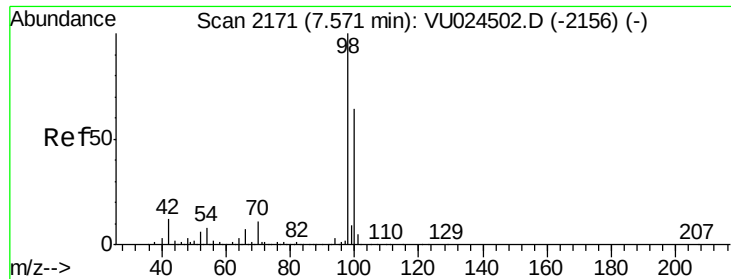
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

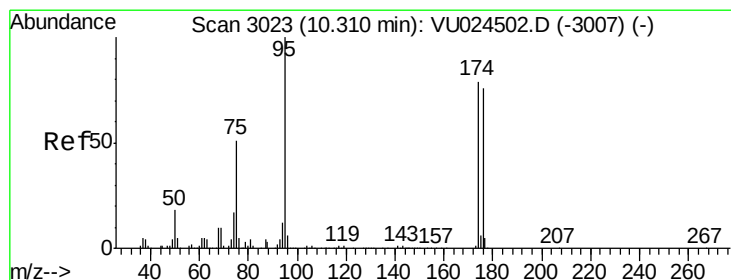
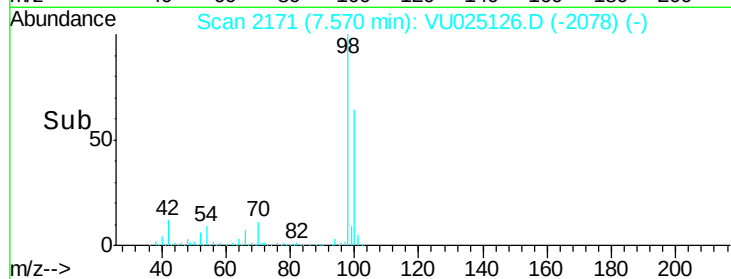
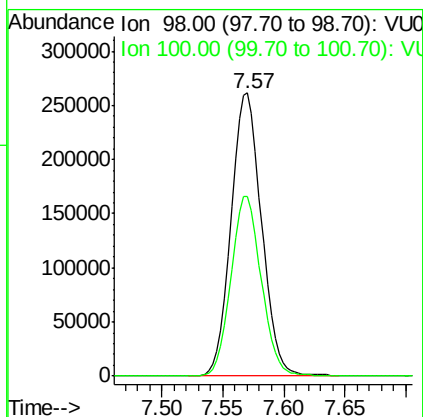
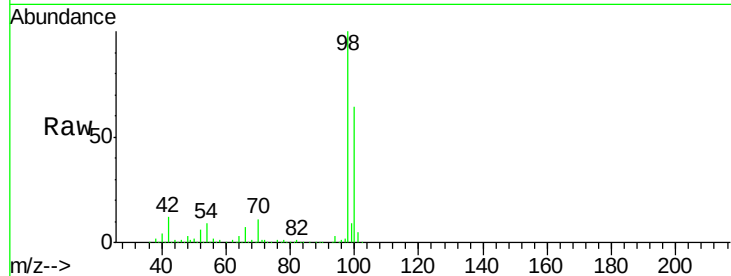




#50
Toluene-d8
Concen: 47.398 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU025126.D
Acq: 01 Jul 2018 07:45

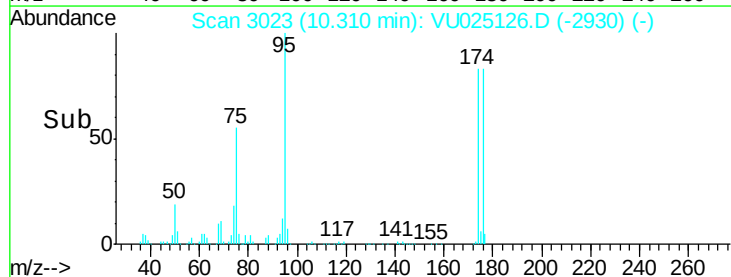
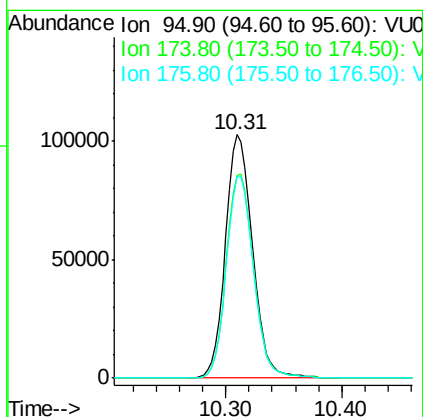
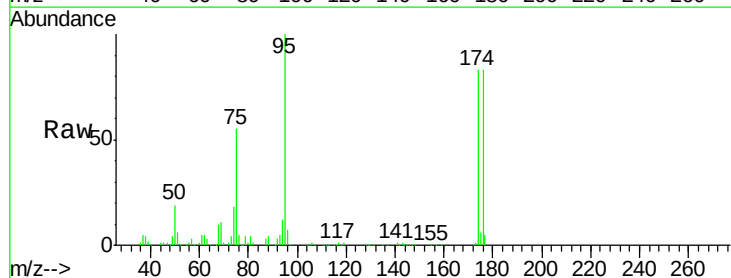
Instrument :
MSVOA_U
ClientSampleId :
MW-4

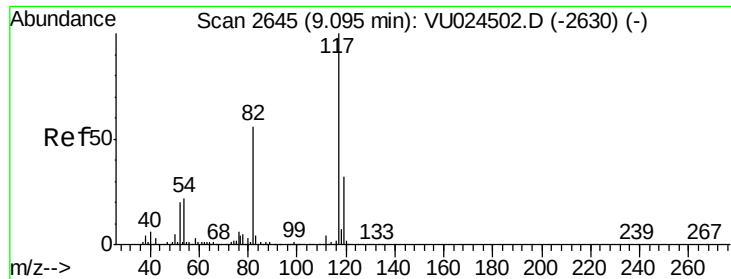
Tgt Ion: 98 Resp: 454651
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 43.818 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025126.D
Acq: 01 Jul 2018 07:45

Tgt Ion: 95 Resp: 166884
Ion Ratio Lower Upper
95 100
174 84.9 0.0 165.8
176 83.5 0.0 159.4

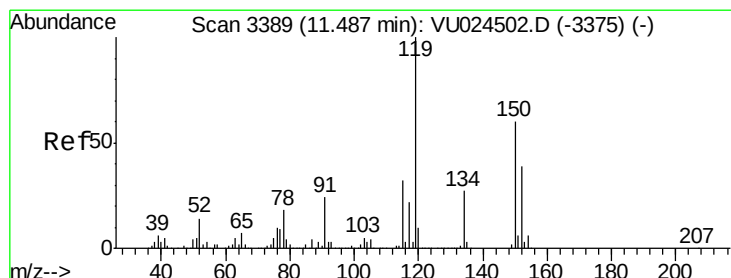
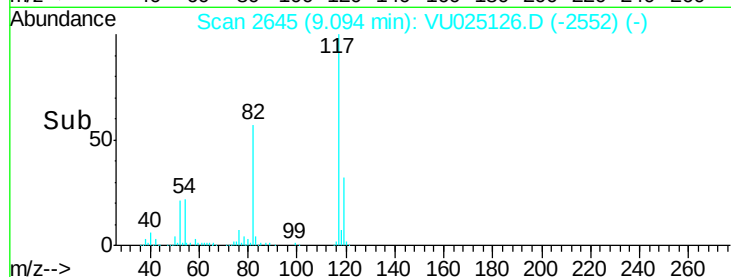
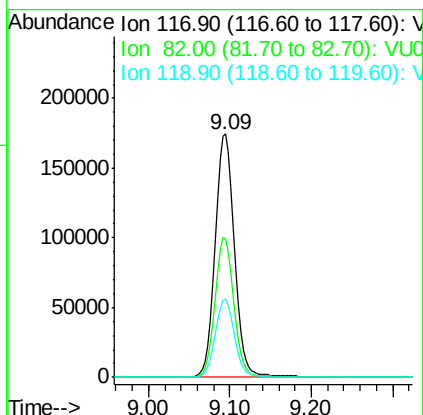
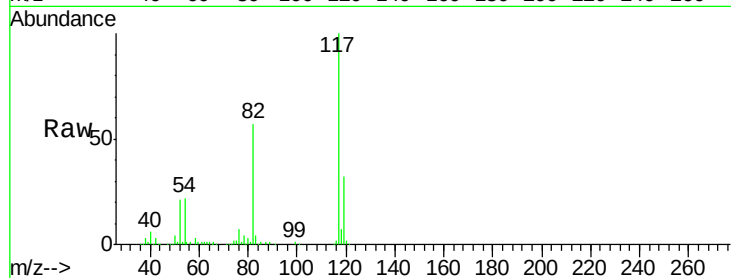




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025126.D
Acq: 01 Jul 2018 07:45

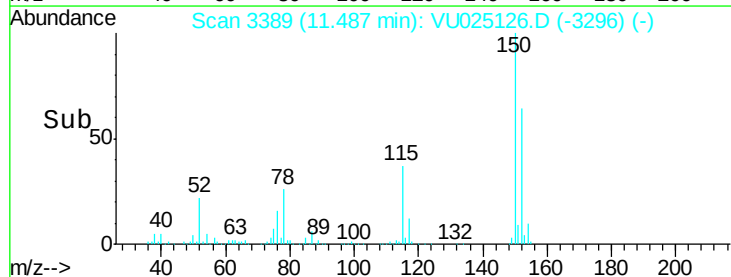
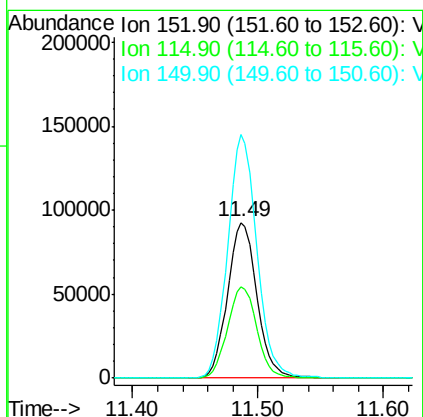
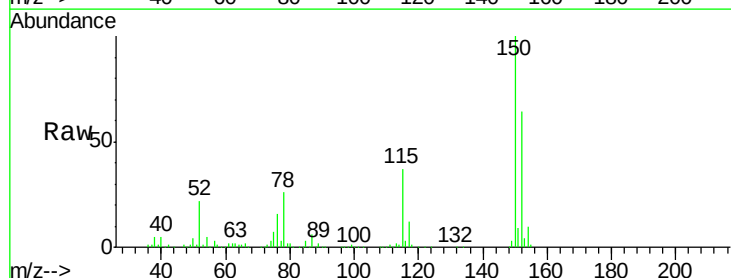
Instrument :
MSVOA_U
ClientSampleId :
MW-4

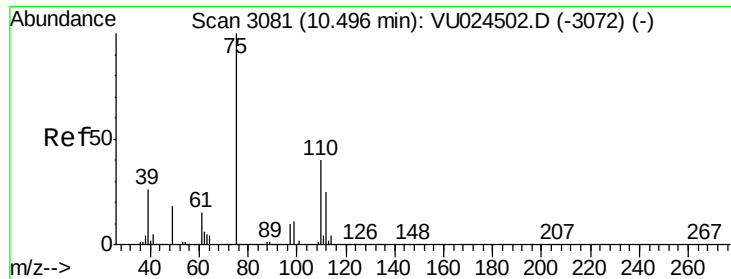
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.3	66.5
119	32.0	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025126.D
Acq: 01 Jul 2018 07:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	43.0	129.0
150	156.4	0.0	354.0

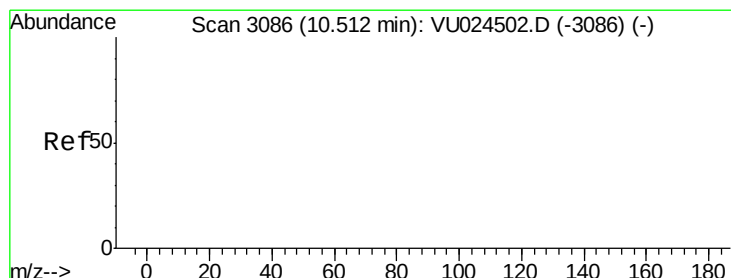
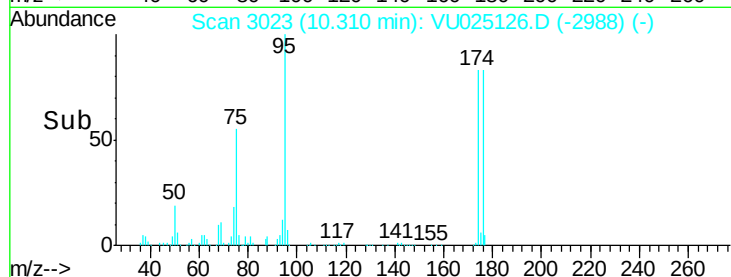
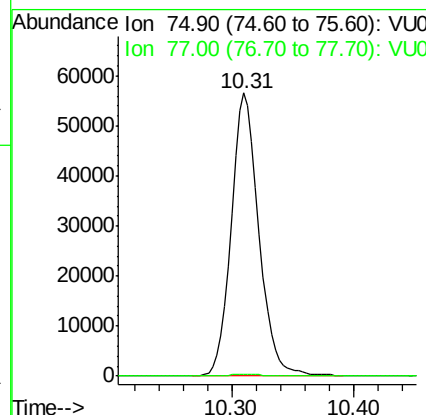
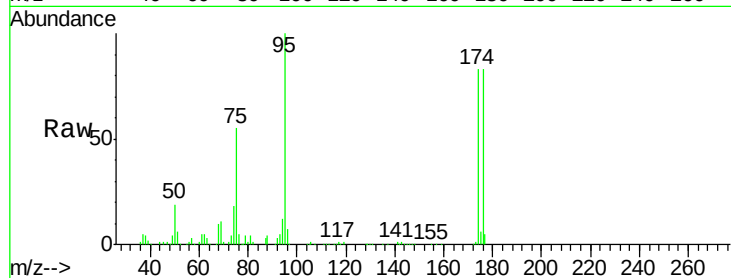




#76
 1,2,3-Trichloropropane
 Concen: 27.208 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025126.D
 Acq: 01 Jul 2018 07:45

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

Tgt Ion: 75 Resp: 89737
 Ion Ratio Lower Upper
 75 100
 77 0.8 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.970 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025126.D
 Acq: 01 Jul 2018 07:45

Tgt Ion: 75 Resp: 89737
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

