

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025124.D
 Acq On : 01 Jul 2018 06:57
 Operator : MD/SY
 Sample : J3789-02DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2RDL

Quant Time: Jul 02 05:48:37 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	206292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	308521	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	281821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144777	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	155944	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
35) Dibromofluoromethane	4.89	113	119839	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
50) Toluene-d8	7.57	98	444019	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	10.31	95	159050	42.89	ug/l	0.00
Spiked Amount			Recovery	=	85.78%	

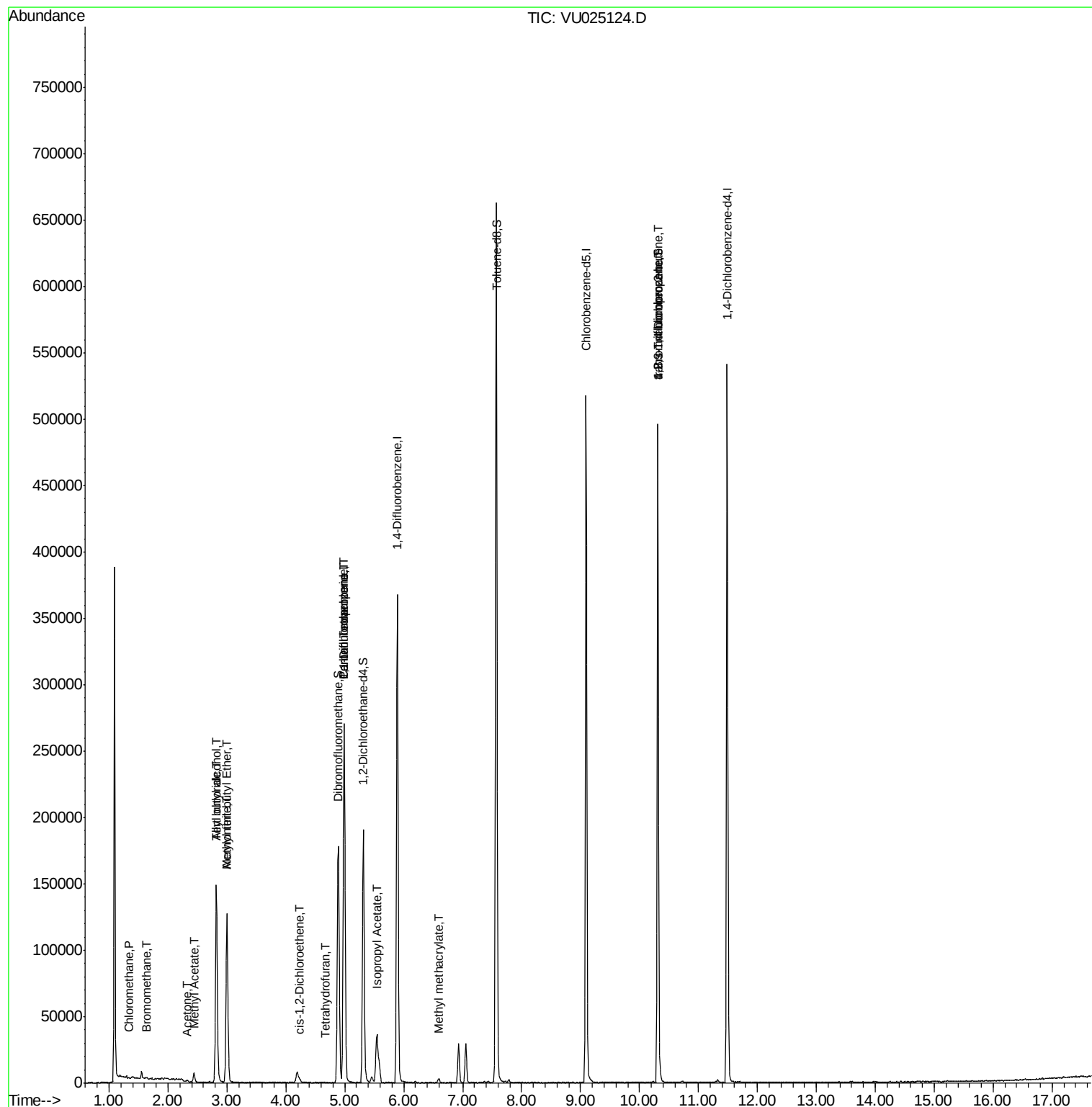
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	668	0.253	ug/l	97
5) Bromomethane	1.64	94	264	0.201	ug/l	93
6) Chloroethane	1.87	64	42	Below Cal	#	43
11) Tert butyl alcohol	2.82	59	175793	214.625	ug/l	100
14) Allyl chloride	2.82	41	35942	8.241	ug/l #	57
15) Acrylonitrile	3.00	53	1318	0.827	ug/l #	19
16) Acetone	2.32	43	1306	0.722	ug/l #	80
18) Methyl Acetate	2.44	43	1977	0.510	ug/l #	53
19) Methyl tert-butyl Ether	3.00	73	136849	15.499	ug/l	99
27) cis-1,2-Dichloroethene	4.24	96	691	0.232	ug/l	82
29) Tetrahydrofuran	4.66	42	310	0.206	ug/l #	34
31) Cyclohexane	4.99	56	3937	Below Cal	#	10
36) 1,1-Dichloropropene	4.99	75	15101	4.165	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19308	4.843	ug/l #	16
43) Isopropyl Acetate	5.54	43	7859	1.151	ug/l #	62
48) Methyl methacrylate	6.59	41	1043	0.314	ug/l #	23
76) 1,2,3-Trichloropropane	10.31	75	84116	26.390	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	84116	61.077	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: VU025124.D

Acq: 01 Jul 2018 06:57

Instrument :

MSVOA_U

ClientSampleId :

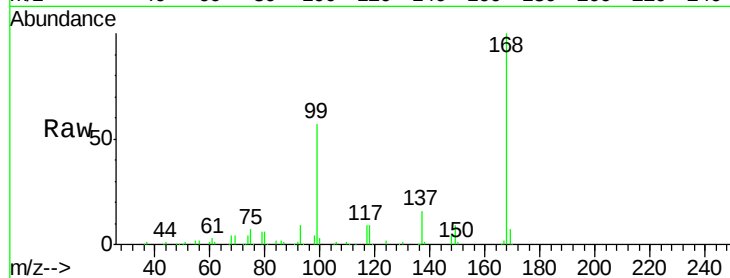
MW-2RDL

Tgt Ion:168 Resp: 206292

Ion Ratio Lower Upper

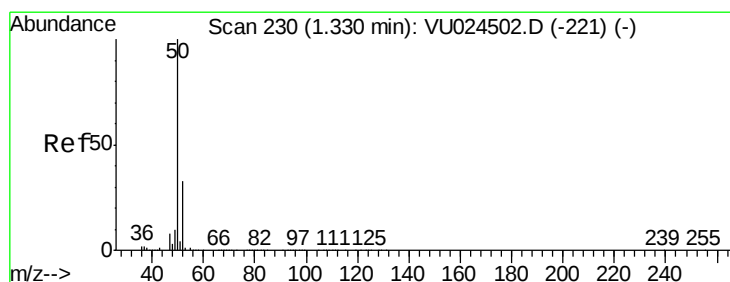
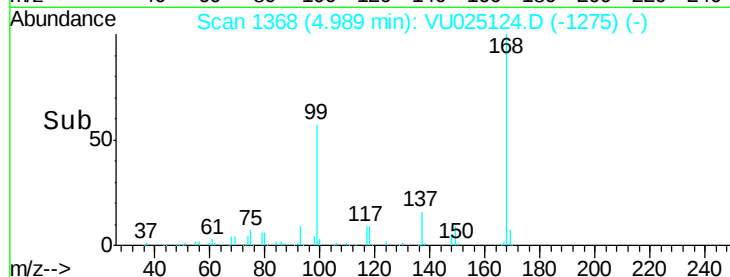
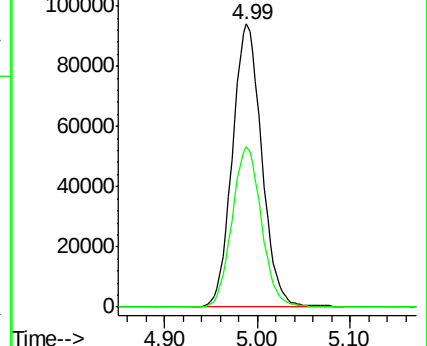
168 100

99 56.5 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) (-)



#3

Chloromethane

Concen: 0.253 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025124.D

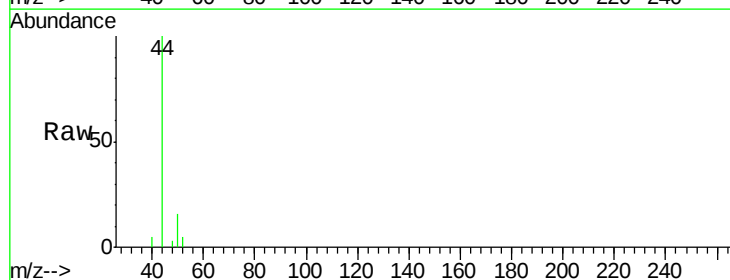
Acq: 01 Jul 2018 06:57

Tgt Ion: 50 Resp: 668

Ion Ratio Lower Upper

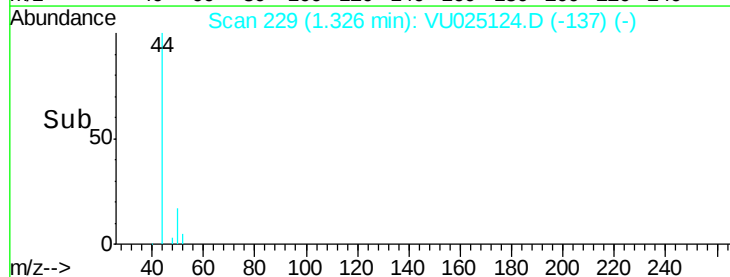
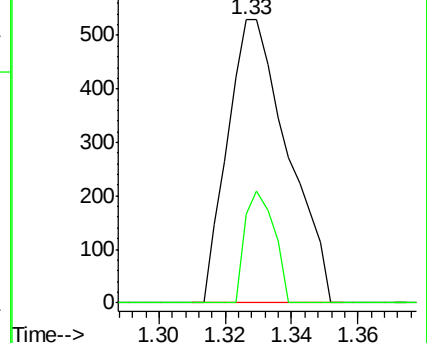
50 100

52 31.4 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) (-)





#5

Bromomethane

Concen: 0.201 ug/l

RT: 1.64 min Scan# 327

Delta R.T. 0.02 min

Lab File: VU025124.D

Acq: 01 Jul 2018 06:57

Instrument :

MSVOA_U

ClientSampleId :

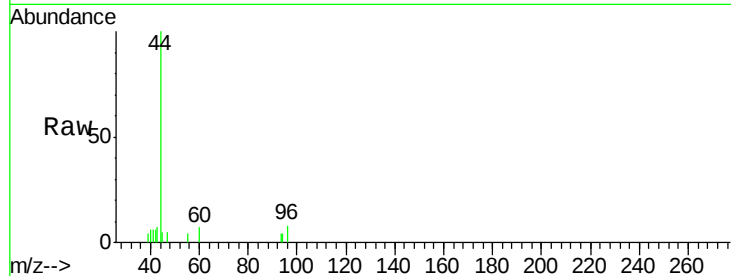
MW-2RDL

Tgt Ion: 94 Resp: 264

Ion Ratio Lower Upper

94 100

96 99.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

250

200

150

100

50

0

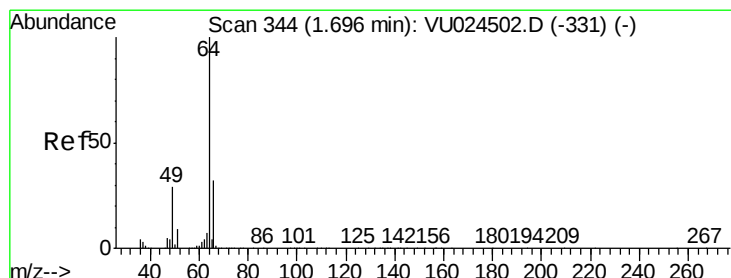
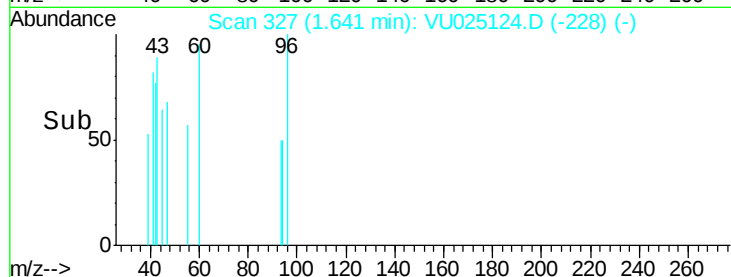
1.60

1.62

1.64

1.66

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.87 min Scan# 398

Delta R.T. 0.17 min

Lab File: VU025124.D

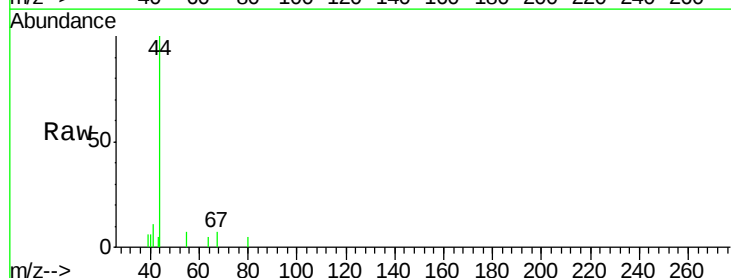
Acq: 01 Jul 2018 06:57

Tgt Ion: 64 Resp: 42

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

120

100

80

60

40

20

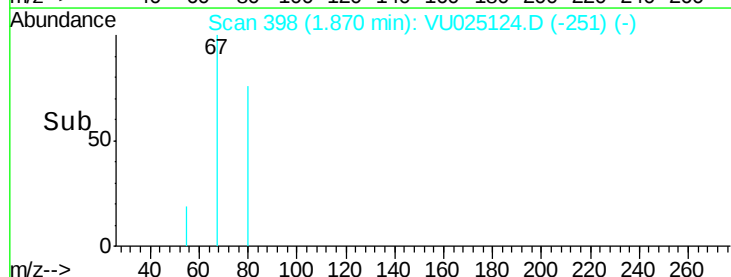
0

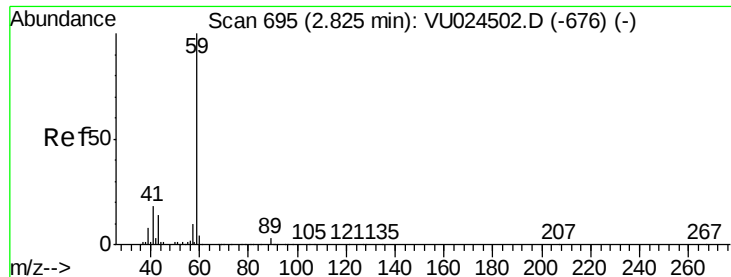
1.86

1.87

1.88

Time-->

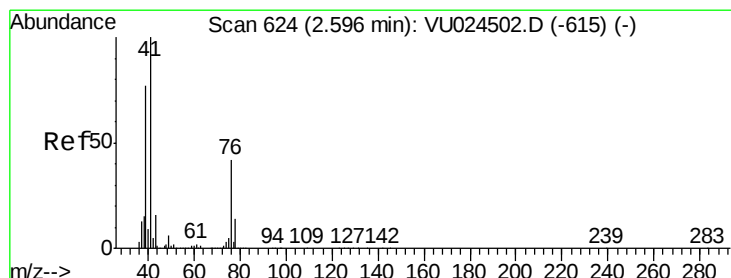
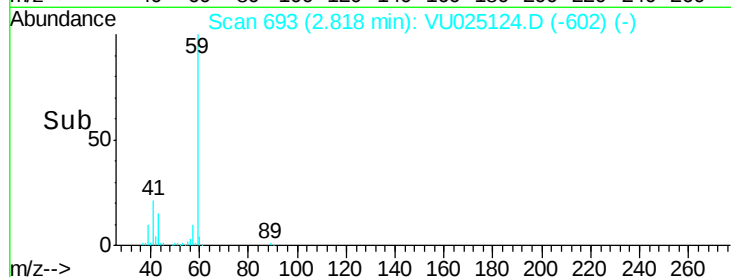
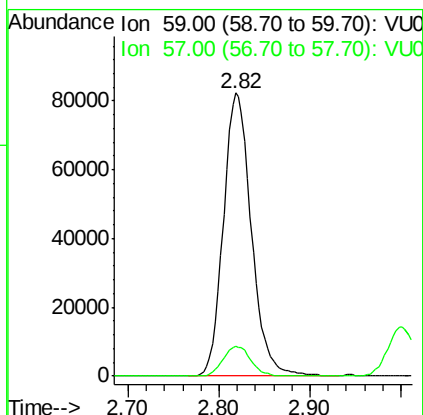
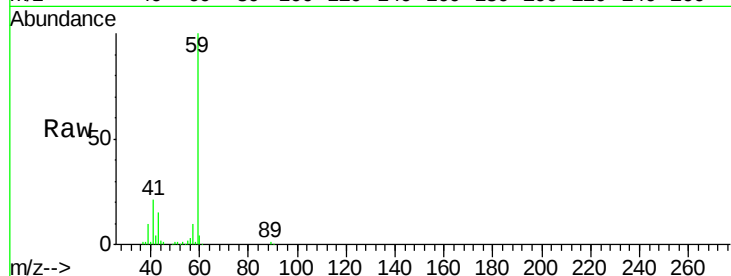




#11
Tert butyl alcohol
Concen: 214.625 ug/l
RT: 2.82 min Scan# 693
Delta R.T. -0.01 min
Lab File: VU025124.D
Acq: 01 Jul 2018 06:57

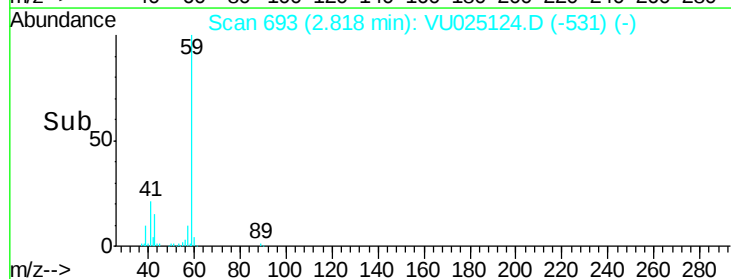
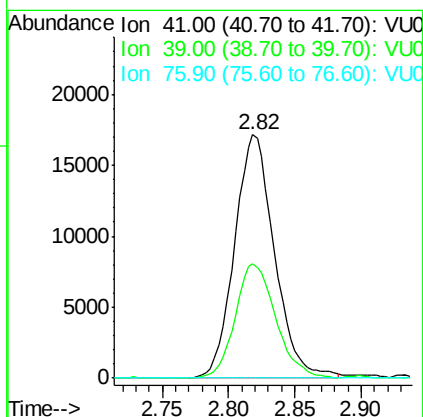
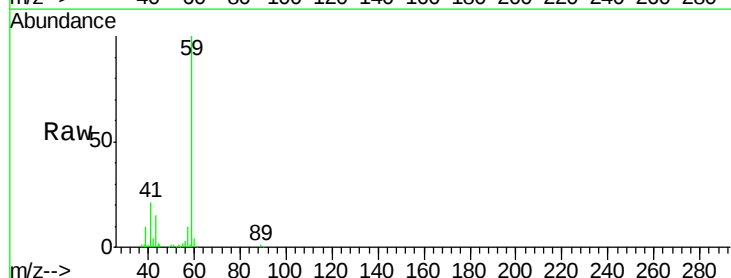
Instrument :
MSVOA_U
ClientSampleId :
MW-2RDL

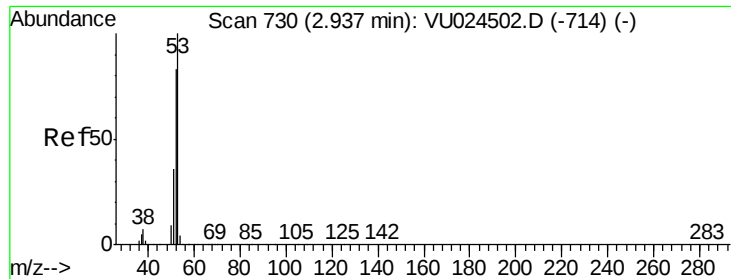
Tgt Ion: 59 Resp: 175793
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7



#14
Allyl chloride
Concen: 8.241 ug/l
RT: 2.82 min Scan# 693
Delta R.T. 0.22 min
Lab File: VU025124.D
Acq: 01 Jul 2018 06:57

Tgt Ion: 41 Resp: 35942
Ion Ratio Lower Upper
41 100
39 47.6 61.6 92.4#
76 0.0 29.7 44.5#





#15

Acrylonitrile

Concen: 0.827 ug/l

RT: 3.00 min Scan# 751

Delta R.T. 0.07 min

Lab File: VU025124.D

Acq: 01 Jul 2018 06:57

Instrument :

MSVOA_U

ClientSampleId :

MW-2RDL

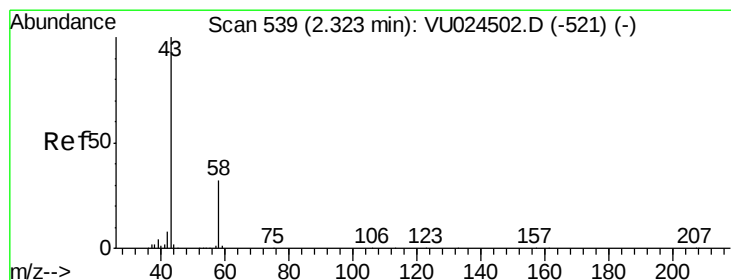
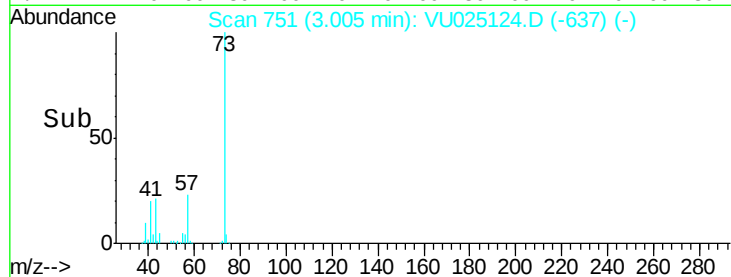
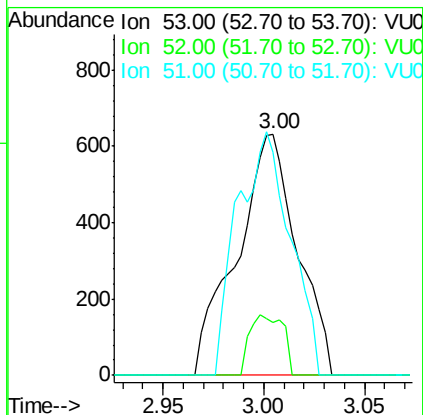
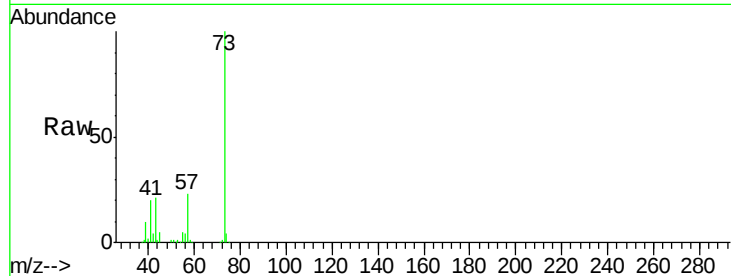
Tgt Ion: 53 Resp: 1318

Ion Ratio Lower Upper

53 100

52 14.0 67.1 100.7#

51 88.5 28.4 42.6#



#16

Acetone

Concen: 0.722 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025124.D

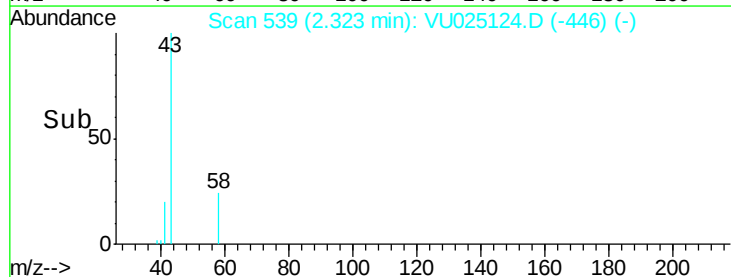
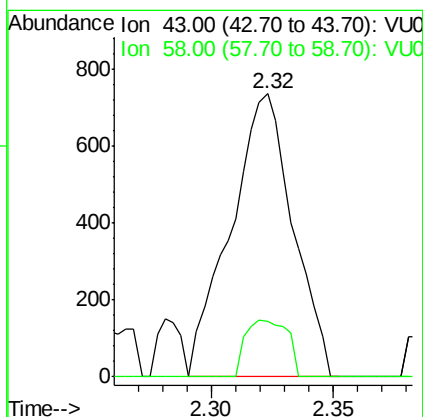
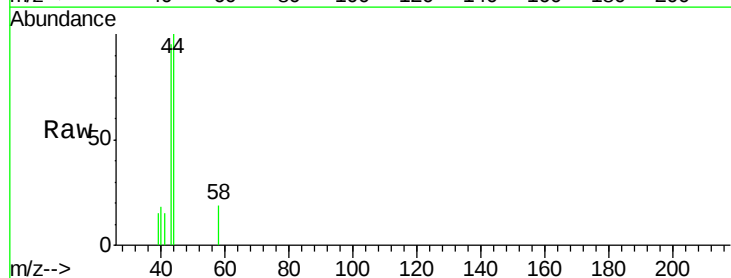
Acq: 01 Jul 2018 06:57

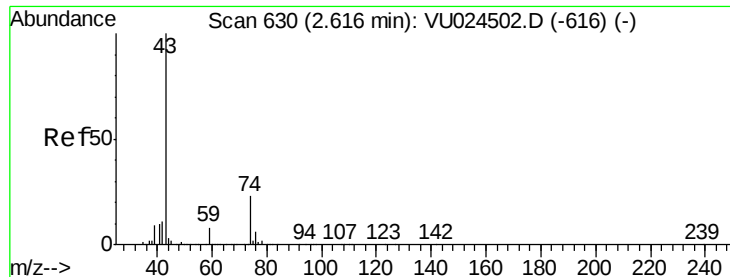
Tgt Ion: 43 Resp: 1306

Ion Ratio Lower Upper

43 100

58 19.7 24.4 36.6#

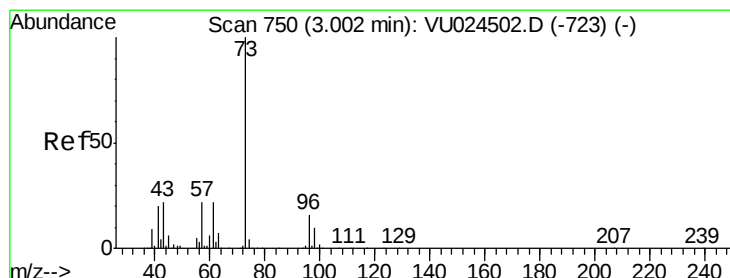
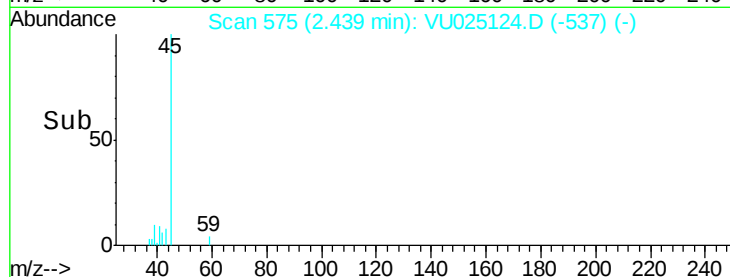
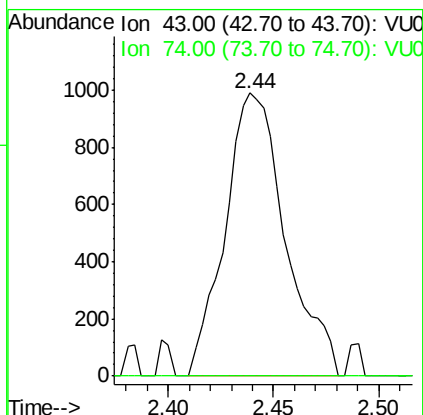
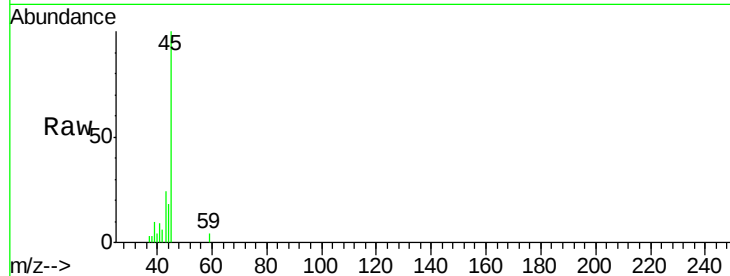




#18
Methyl Acetate
Concen: 0.510 ug/l
RT: 2.44 min Scan# 575
Delta R.T. -0.18 min
Lab File: VU025124.D
Acq: 01 Jul 2018 06:57

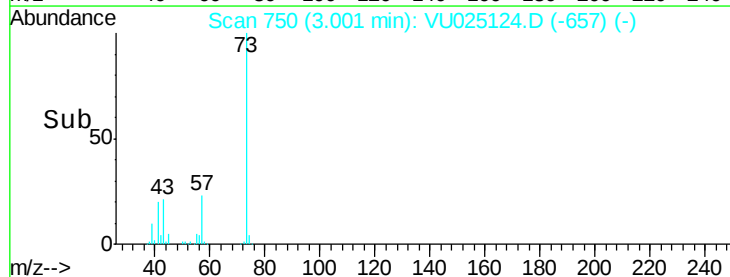
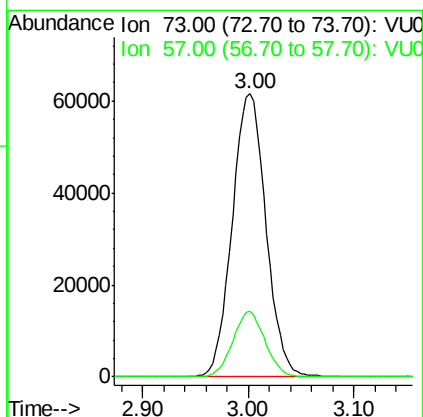
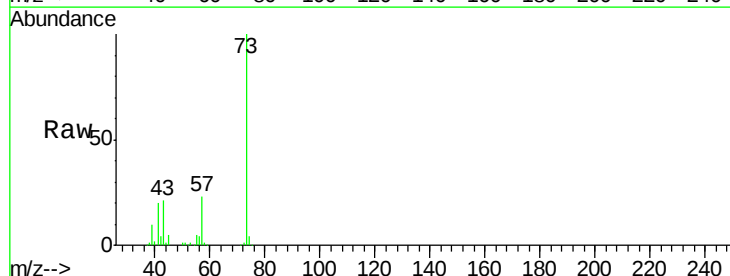
Instrument :
MSVOA_U
ClientSampled :
MW-2RDL

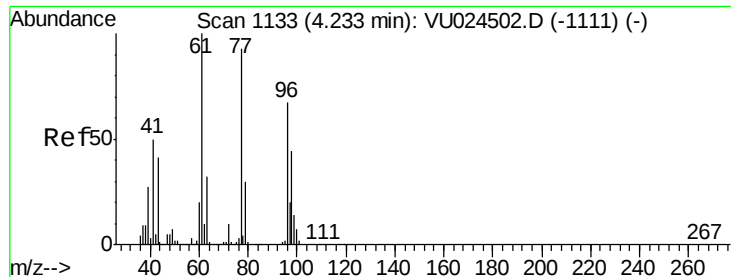
Tgt Ion: 43 Resp: 1977
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#19
Methyl tert-butyl Ether
Concen: 15.499 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025124.D
Acq: 01 Jul 2018 06:57

Tgt Ion: 73 Resp: 136849
Ion Ratio Lower Upper
73 100
57 23.2 18.8 28.2





#27

cis-1,2-Dichloroethene

Concen: 0.232 ug/l

RT: 4.24 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VU025124.D

Acq: 01 Jul 2018 06:57

Instrument :

MSVOA_U

ClientSampleId :

MW-2RDL

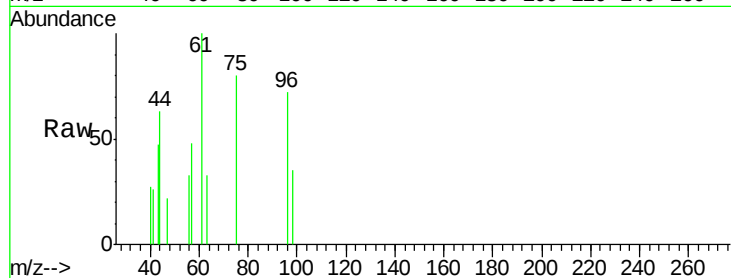
Tgt Ion: 96 Resp: 691

Ion Ratio Lower Upper

96 100

61 126.5 0.0 306.6

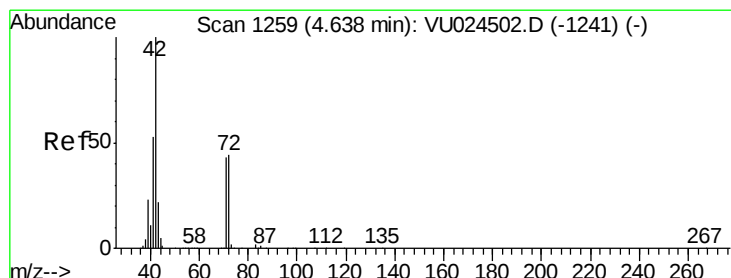
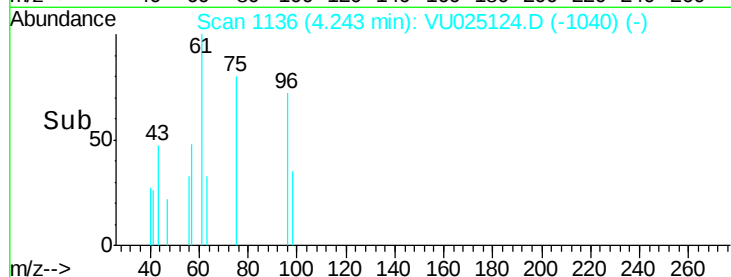
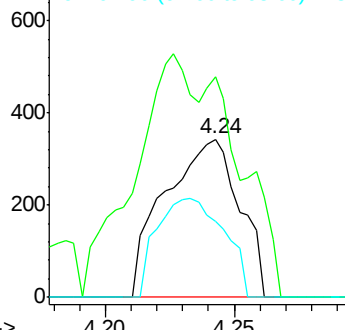
98 56.0 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#29

Tetrahydrofuran

Concen: 0.206 ug/l

RT: 4.66 min Scan# 1267

Delta R.T. 0.03 min

Lab File: VU025124.D

Acq: 01 Jul 2018 06:57

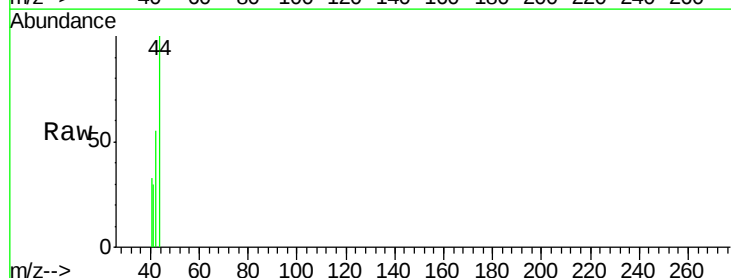
Tgt Ion: 42 Resp: 310

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

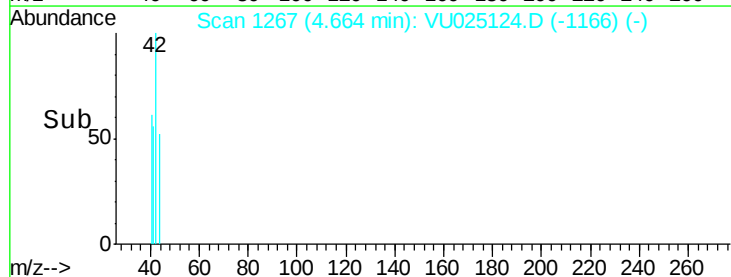
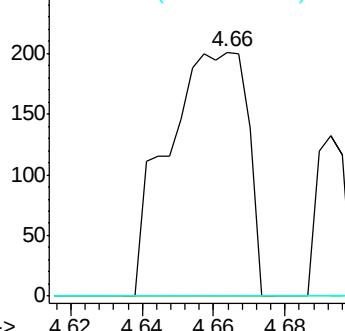
71 0.0 32.2 48.4#

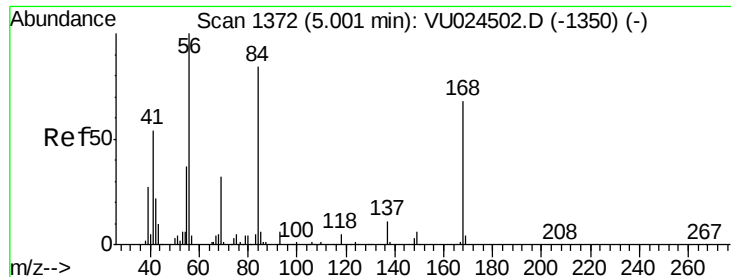


Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

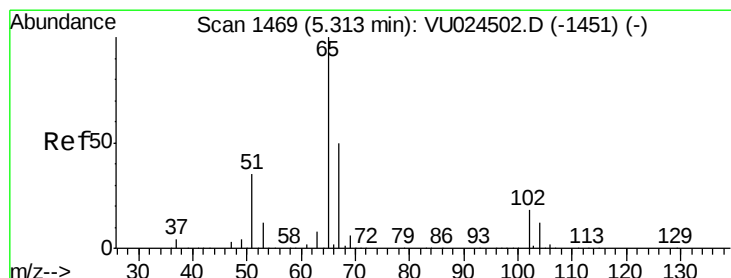
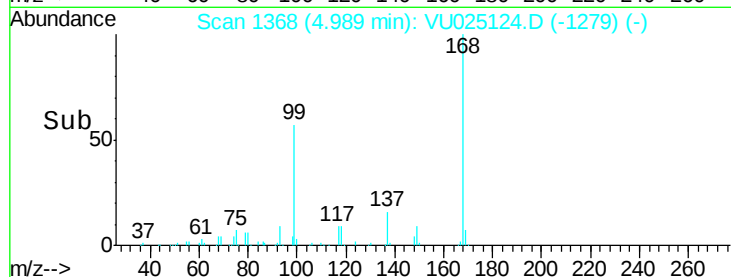
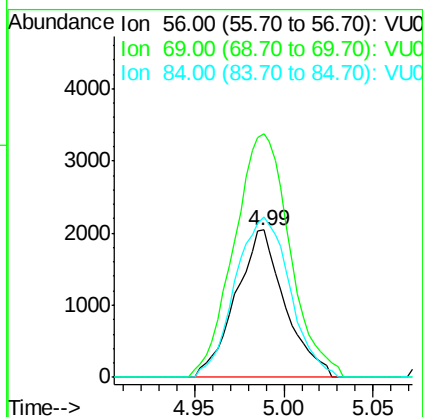
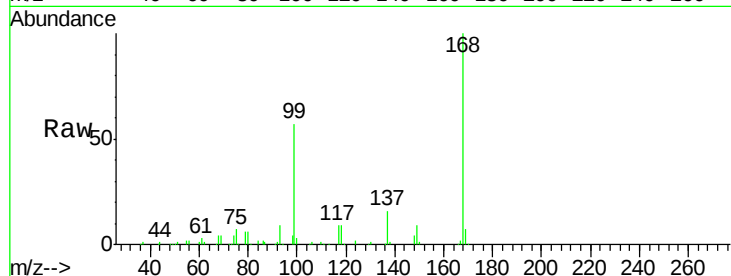




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025124.D
Acq: 01 Jul 2018 06:57

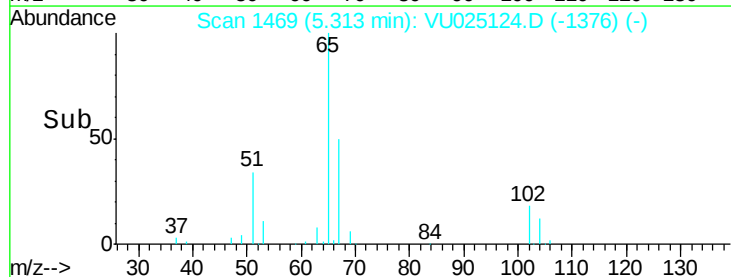
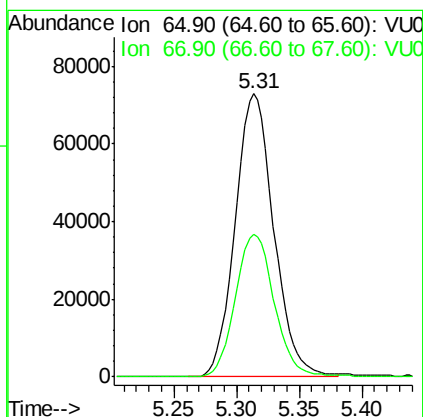
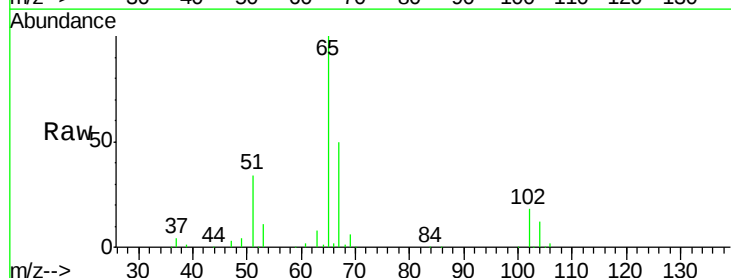
Instrument :
MSVOA_U
ClientSampleId :
MW-2RDL

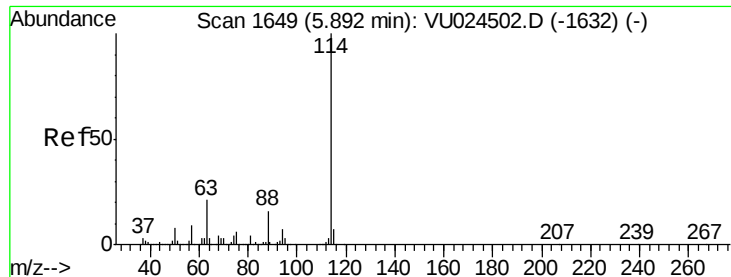
Tgt Ion: 56 Resp: 3937
Ion Ratio Lower Upper
56 100
69 165.2 24.8 37.2#
84 108.9 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 46.305 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU025124.D
Acq: 01 Jul 2018 06:57

Tgt Ion: 65 Resp: 155944
Ion Ratio Lower Upper
65 100
67 50.7 0.0 107.0

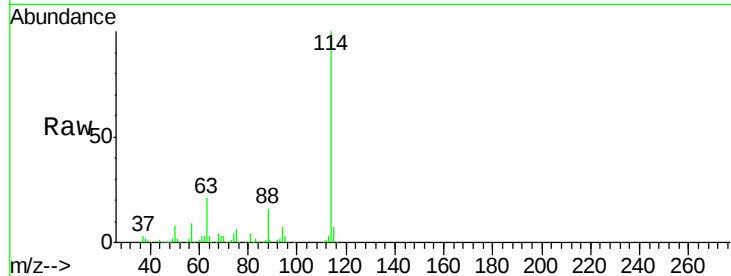




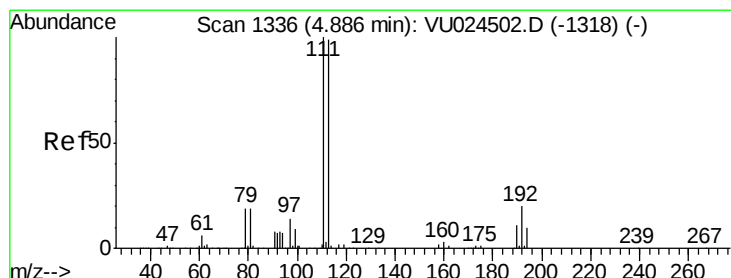
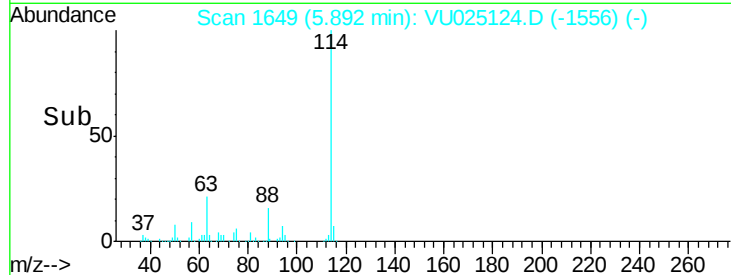
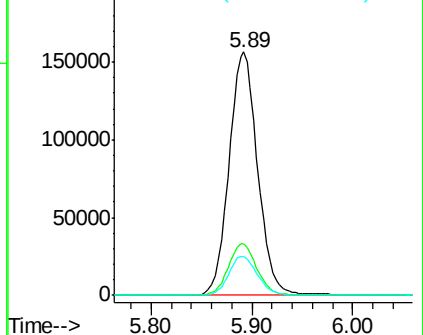
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025124.D
 Acq: 01 Jul 2018 06:57

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2RDL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	45.4
88	16.2	0.0	31.0

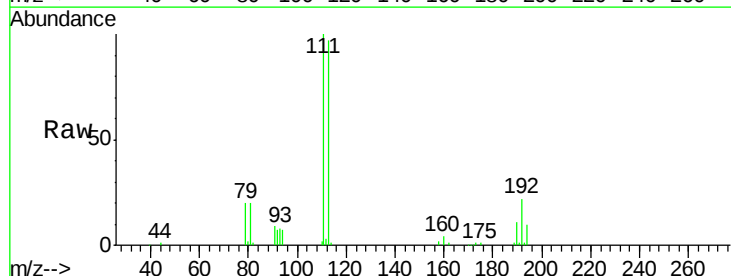


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

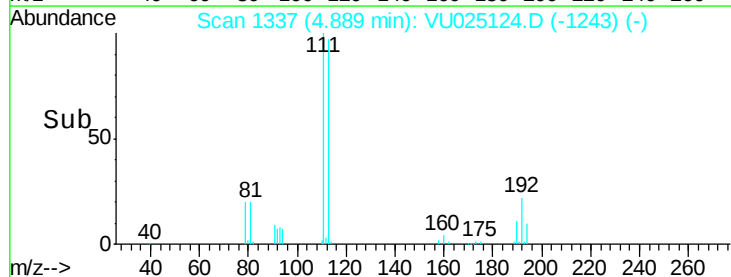
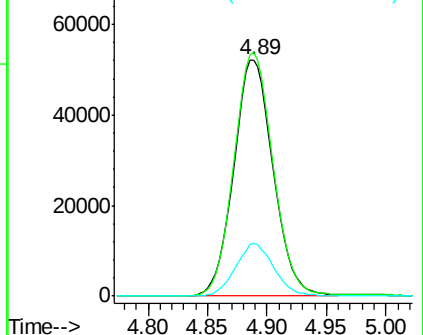


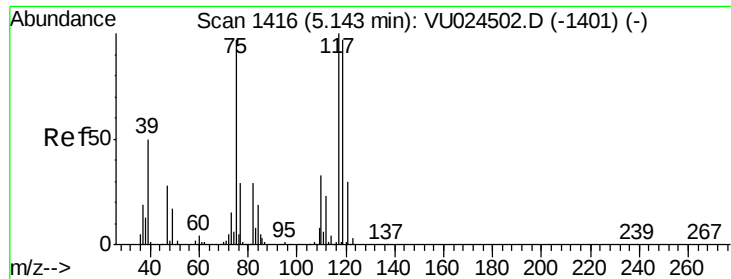
#35
 Dibromofluoromethane
 Concen: 46.803 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025124.D
 Acq: 01 Jul 2018 06:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	21.7	16.2	24.4



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

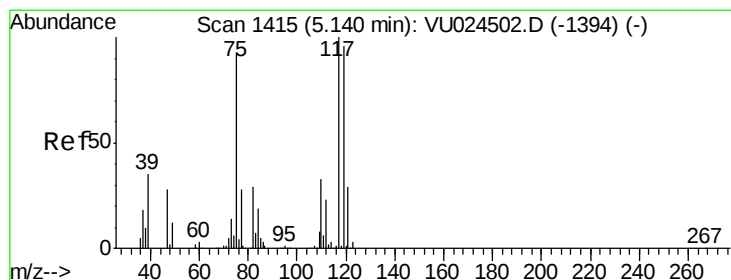
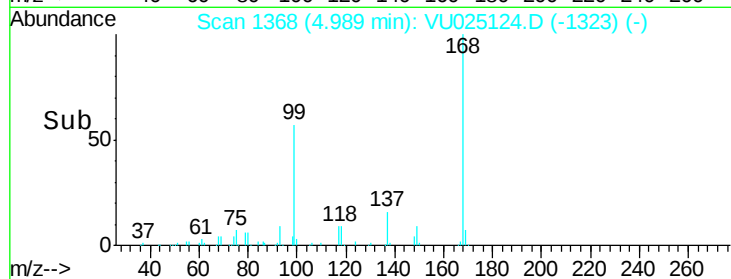
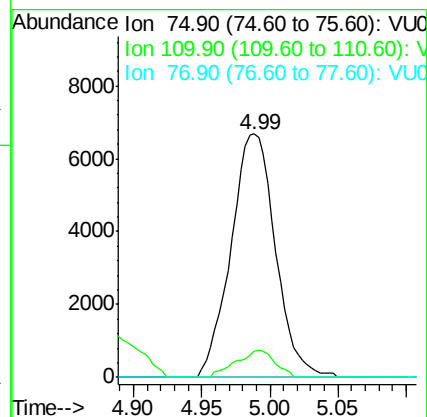
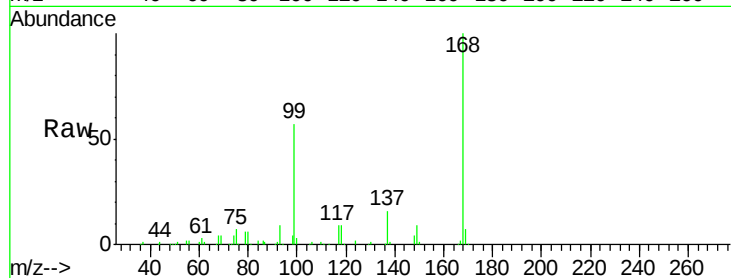




#36
 1,1-Dichloropropene
 Concen: 4.165 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025124.D
 Acq: 01 Jul 2018 06:57

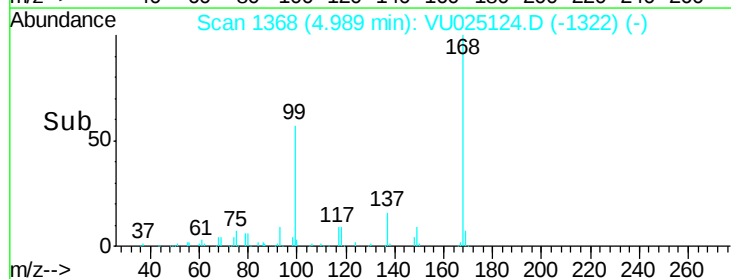
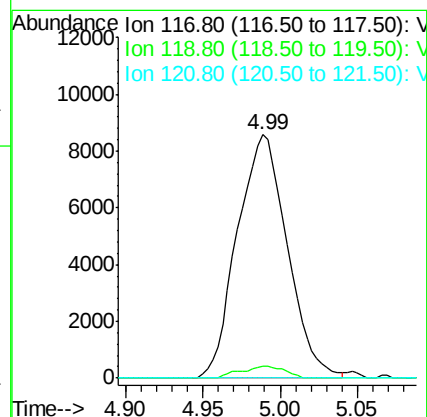
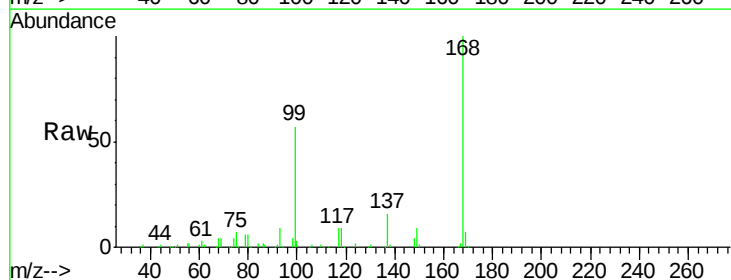
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2RDL

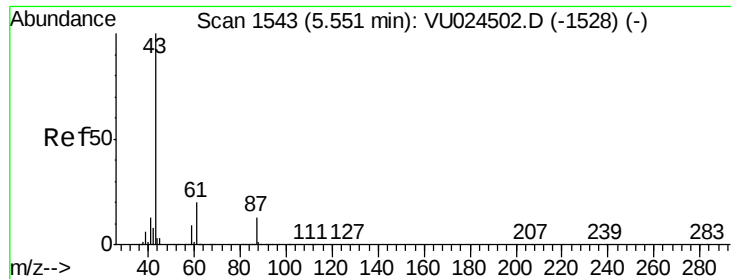
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 4.843 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025124.D
 Acq: 01 Jul 2018 06:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.1	114.1#
121	0.0	23.7	35.5#





#43

Isopropyl Acetate

Concen: 1.151 ug/l

RT: 5.54 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VU025124.D

Acq: 01 Jul 2018 06:57

Instrument :

MSVOA_U

ClientSampleId :

MW-2RDL

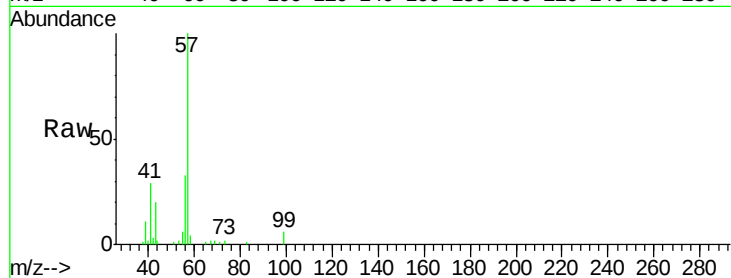
Tgt Ion: 43 Resp: 7859

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

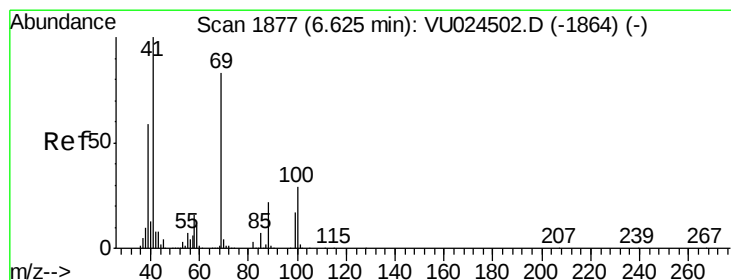
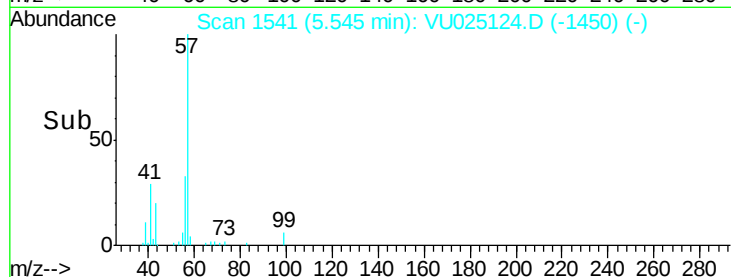
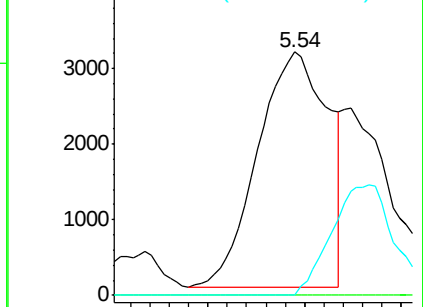
87 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#48

Methyl methacrylate

Concen: 0.314 ug/l

RT: 6.59 min Scan# 1866

Delta R.T. -0.04 min

Lab File: VU025124.D

Acq: 01 Jul 2018 06:57

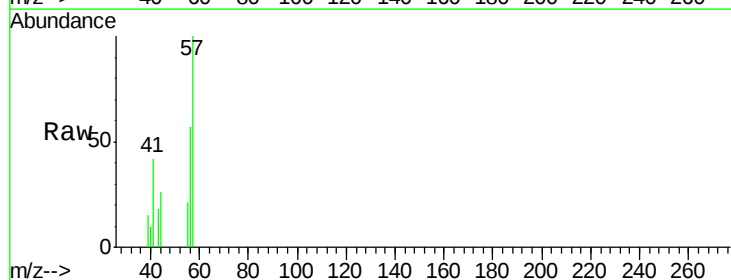
Tgt Ion: 41 Resp: 1043

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

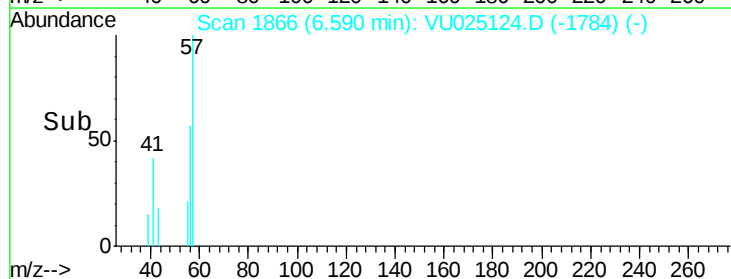
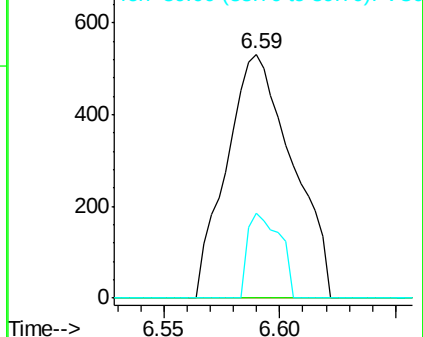
39 17.2 46.5 69.7#

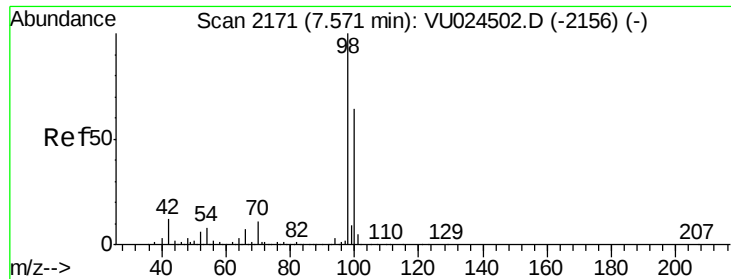


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#50

Toluene-d8

Concen: 47.541 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025124.D

Acq: 01 Jul 2018 06:57

Instrument :

MSVOA_U

ClientSampleId :

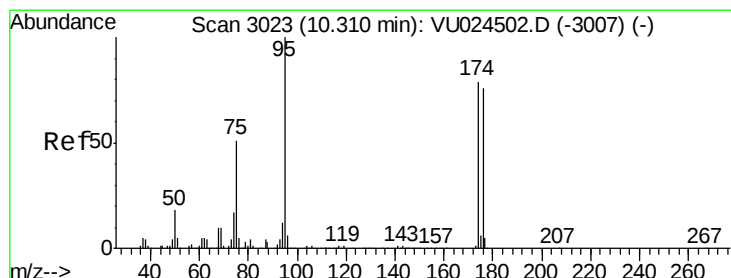
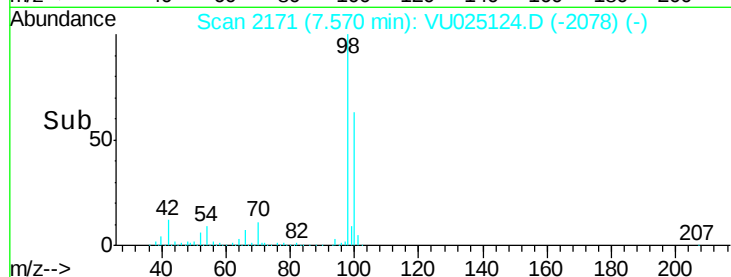
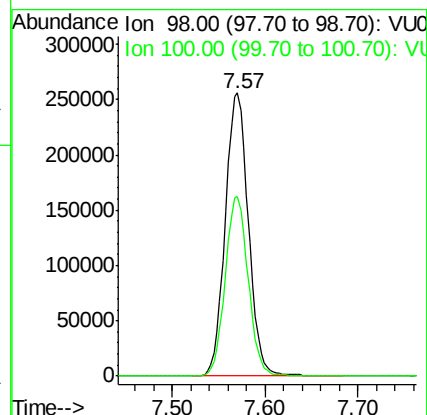
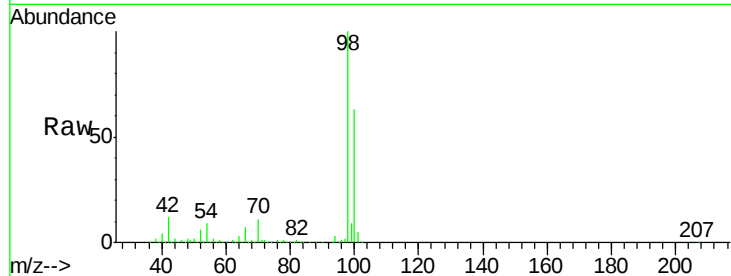
MW-2RDL

Tgt Ion: 98 Resp: 444019

Ion Ratio Lower Upper

98 100

100 62.9 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 42.891 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025124.D

Acq: 01 Jul 2018 06:57

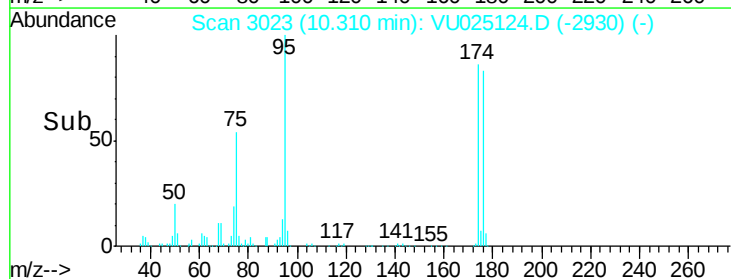
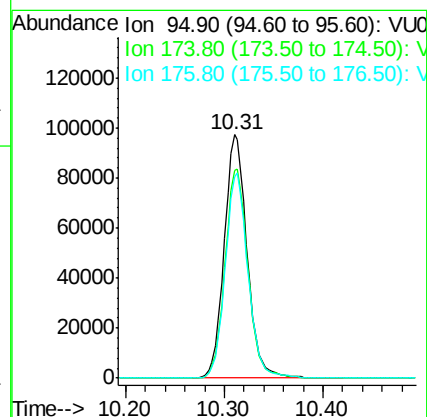
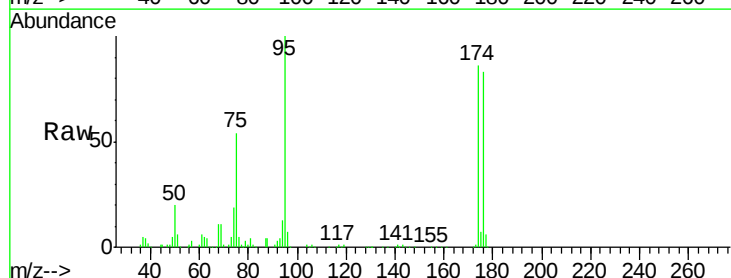
Tgt Ion: 95 Resp: 159050

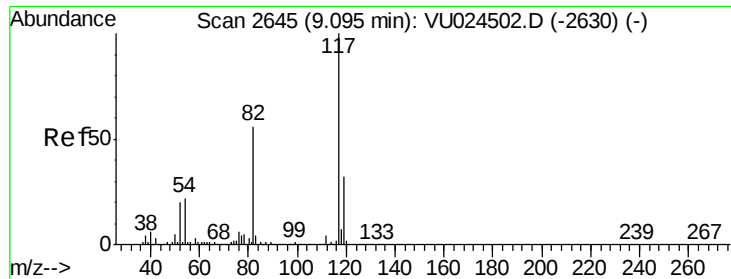
Ion Ratio Lower Upper

95 100

174 86.2 0.0 165.8

176 83.5 0.0 159.4

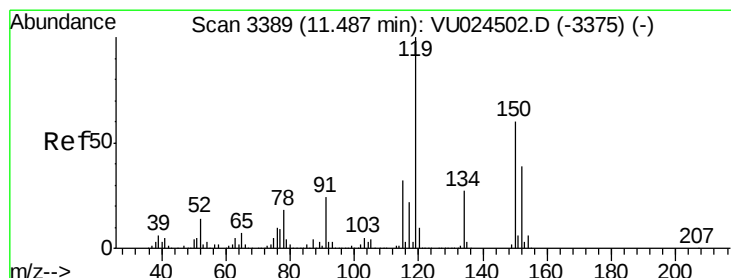
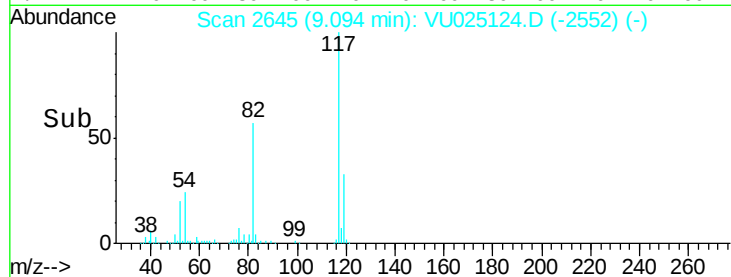
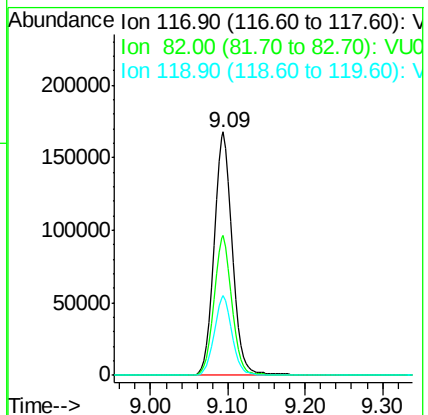
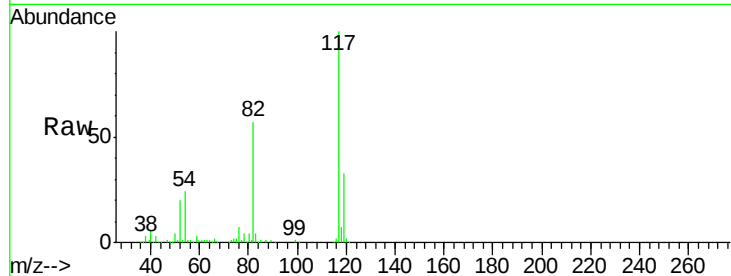




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025124.D
Acq: 01 Jul 2018 06:57

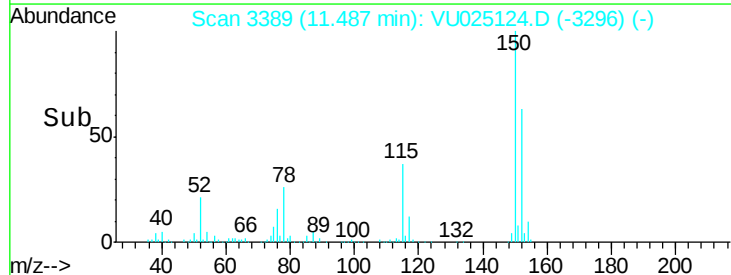
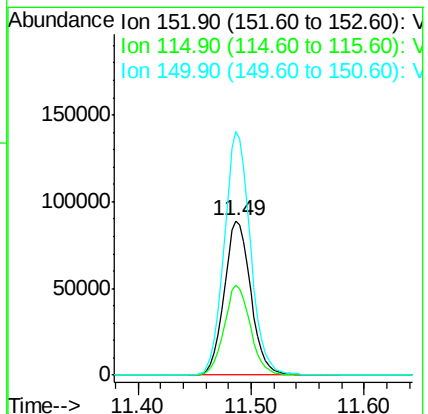
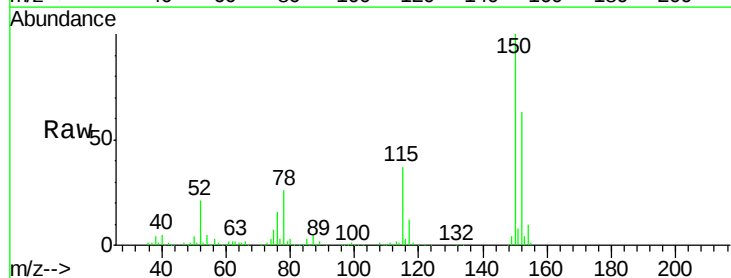
Instrument :
MSVOA_U
ClientSampleId :
MW-2RDL

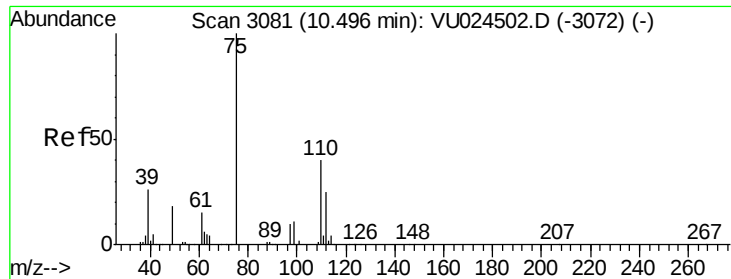
Tgt Ion:117 Resp: 281821
Ion Ratio Lower Upper
117 100
82 57.4 44.3 66.5
119 32.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025124.D
Acq: 01 Jul 2018 06:57

Tgt Ion:152 Resp: 144777
Ion Ratio Lower Upper
152 100
115 57.6 43.0 129.0
150 156.2 0.0 354.0

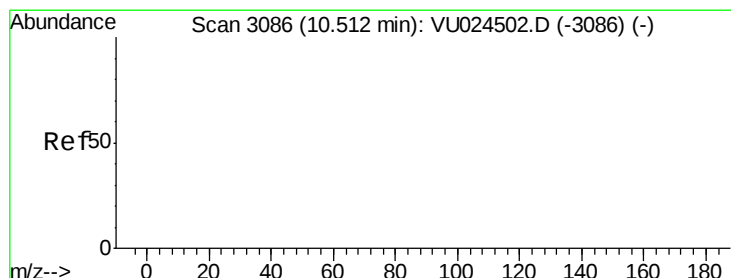
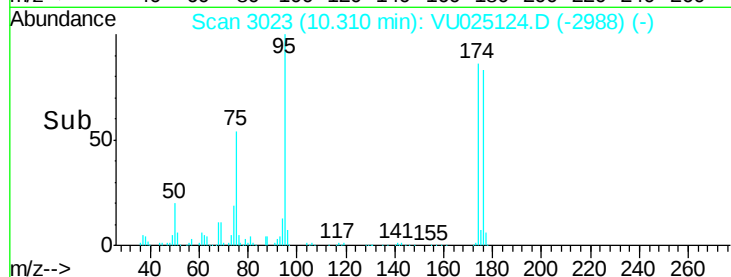
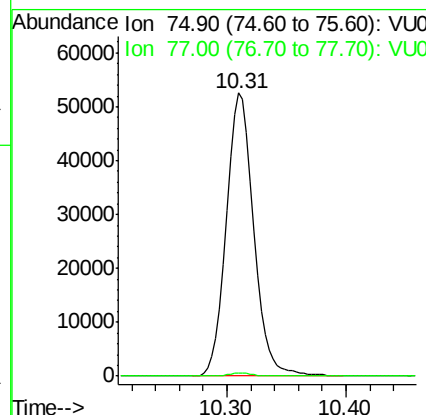
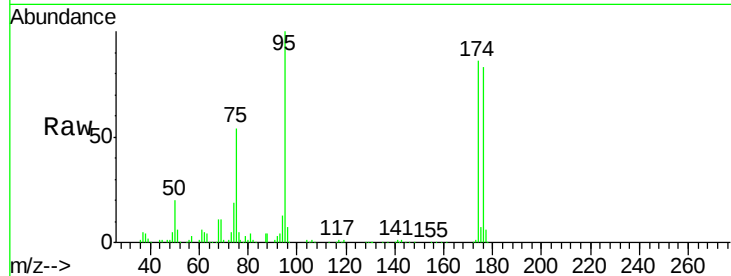




#76
 1,2,3-Trichloropropane
 Concen: 26.390 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025124.D
 Acq: 01 Jul 2018 06:57

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2RDL

Tgt Ion: 75 Resp: 84116
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.077 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025124.D
 Acq: 01 Jul 2018 06:57

Tgt Ion: 75 Resp: 84116
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

