

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025128.D
 Acq On : 01 Jul 2018 08:34
 Operator : MD/SY
 Sample : J3789-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-6

Quant Time: Jul 02 05:49:25 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	206454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	306892	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	287190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	145963	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	154462	45.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.66%		
35) Dibromofluoromethane	4.89	113	119630	46.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.94%		
50) Toluene-d8	7.57	98	441109	47.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.96%		
62) 4-Bromofluorobenzene	10.31	95	162929	44.17	ug/l	0.00
Spiked Amount 50.000			Recovery =	88.34%		

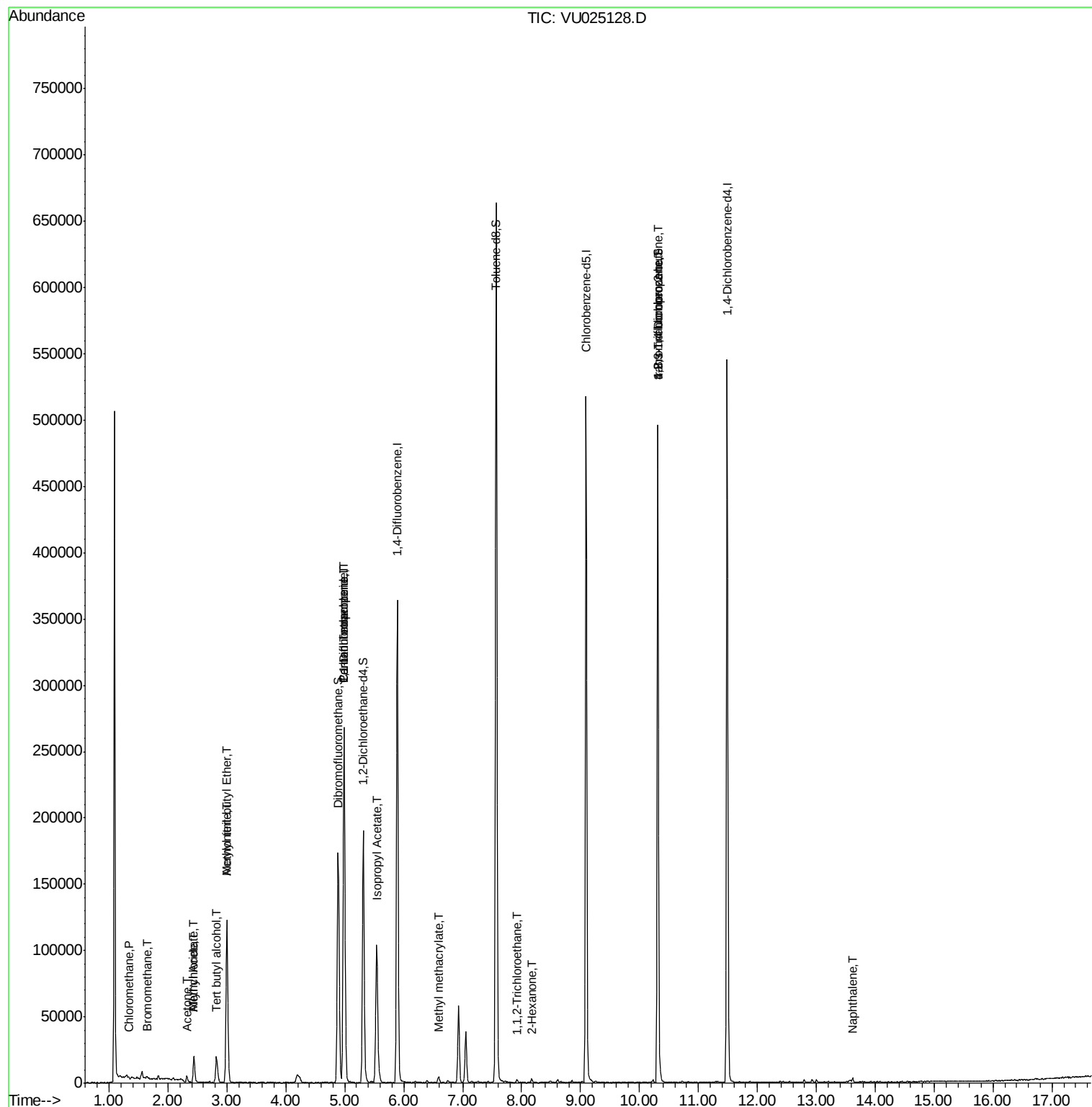
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	645	0.244	ug/l	94
5) Bromomethane	1.64	94	375	0.285	ug/l #	61
6) Chloroethane	1.70	64	67	Below Cal	#	43
11) Tert butyl alcohol	2.82	59	23064	28.137	ug/l	96
14) Allyl chloride	2.44	41	2033	0.466	ug/l #	66
15) Acrylonitrile	3.00	53	1379	0.865	ug/l #	22
16) Acetone	2.32	43	4444	2.454	ug/l	94
18) Methyl Acetate	2.44	43	5311	1.368	ug/l #	53
19) Methyl tert-butyl Ether	3.00	73	128296	14.519	ug/l	96
31) Cyclohexane	4.99	56	4102	Below Cal	#	25
36) 1,1-Dichloropropene	4.99	75	15493	4.296	ug/l #	51
38) Carbon Tetrachloride	4.99	117	20574	5.188	ug/l #	16
43) Isopropyl Acetate	5.54	43	22839	3.362	ug/l #	62
48) Methyl methacrylate	6.59	41	1530	0.462	ug/l #	21
55) 1,1,2-Trichloroethane	7.92	97	640	0.238	ug/l #	14
59) 2-Hexanone	8.17	43	1987	0.570	ug/l	63
76) 1,2,3-Trichloropropane	10.31	75	84152	26.186	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	84152	60.606	ug/l #	100
95) Naphthalene	13.61	128	280	0.705	ug/l #	1

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025128.D

Acq: 01 Jul 2018 08:34

Instrument :

MSVOA_U

ClientSampleId :

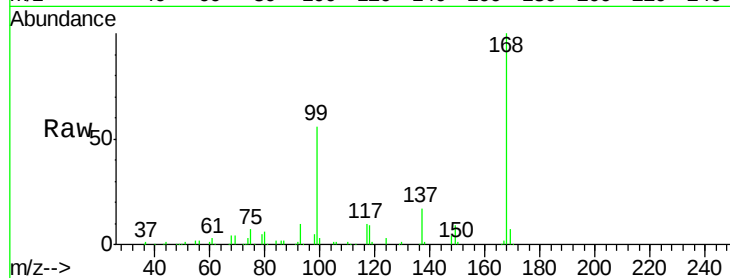
MW-6

Tgt Ion:168 Resp: 206454

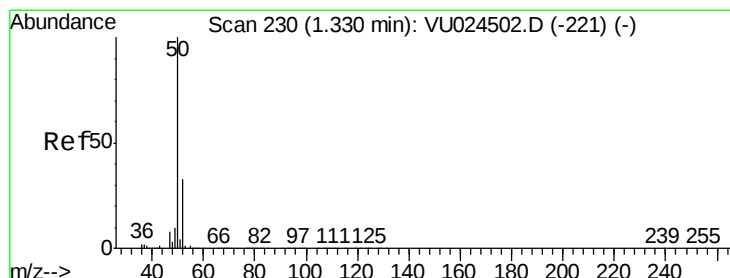
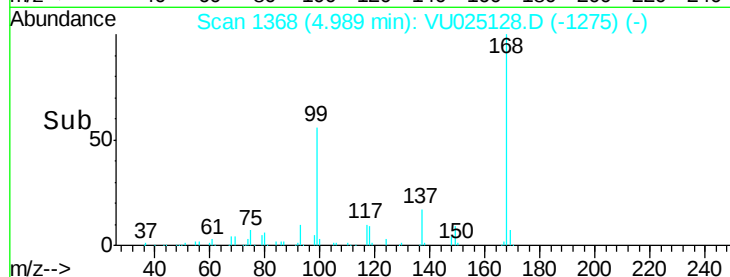
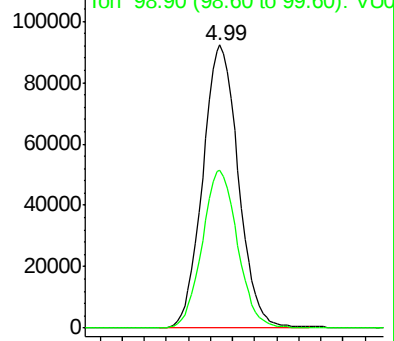
Ion Ratio Lower Upper

168 100

99 55.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025128.D (-1275) (-)



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025128.D

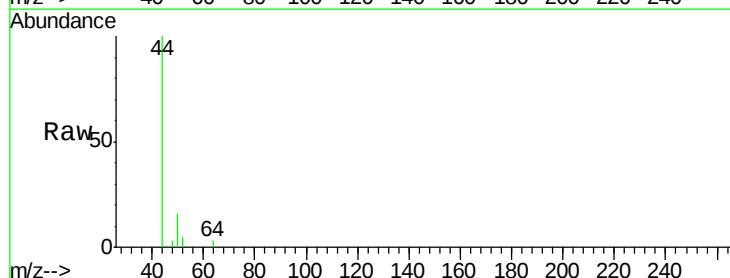
Acq: 01 Jul 2018 08:34

Tgt Ion: 50 Resp: 645

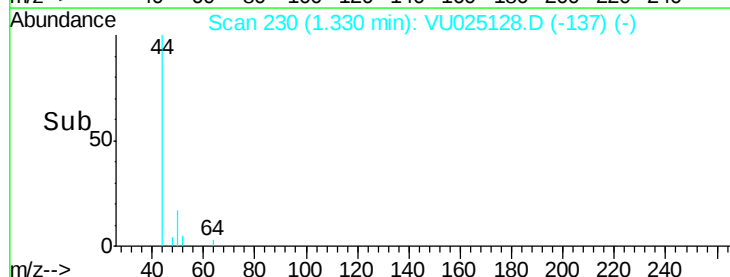
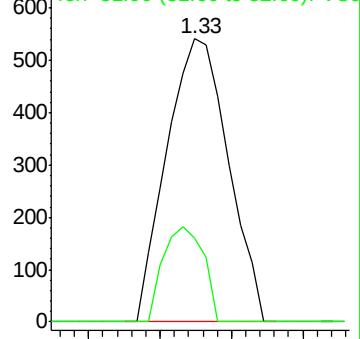
Ion Ratio Lower Upper

50 100

52 29.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU025128.D (-137) (-)





#5

Bromomethane

Concen: 0.285 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025128.D

Acq: 01 Jul 2018 08:34

Instrument :

MSVOA_U

ClientSampleId :

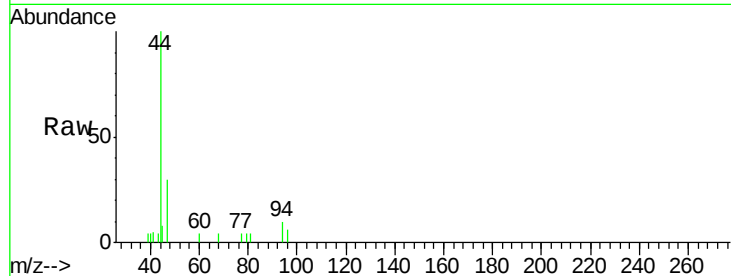
MW-6

Tgt Ion: 94 Resp: 375

Ion Ratio Lower Upper

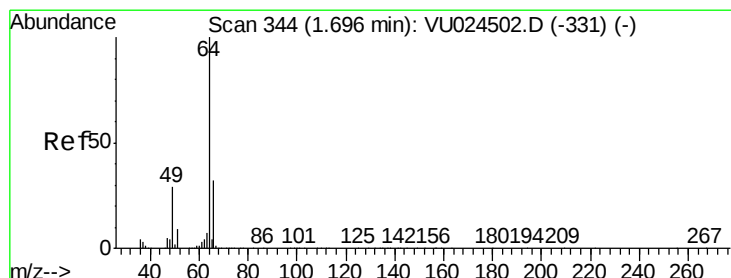
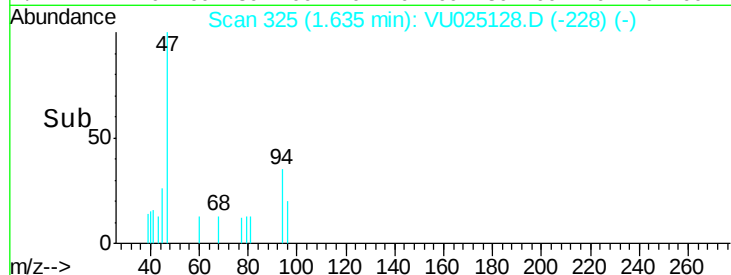
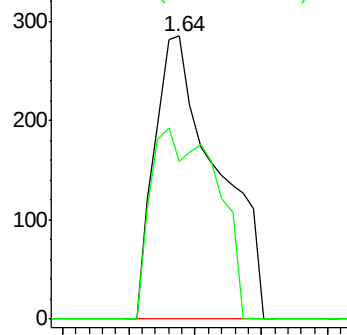
94 100

96 55.8 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025128.D

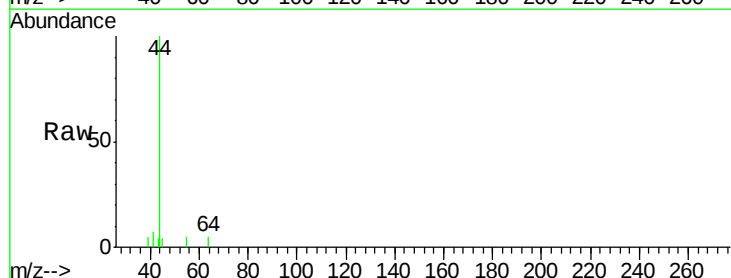
Acq: 01 Jul 2018 08:34

Tgt Ion: 64 Resp: 67

Ion Ratio Lower Upper

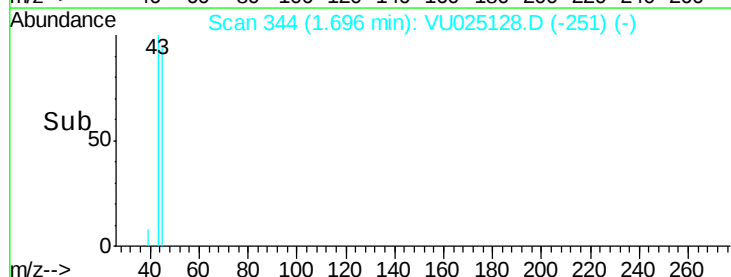
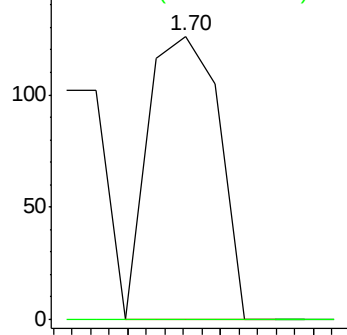
64 100

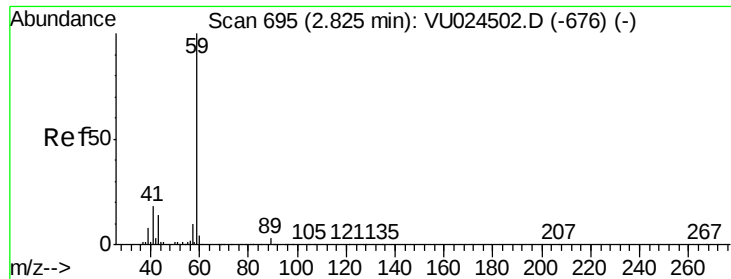
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

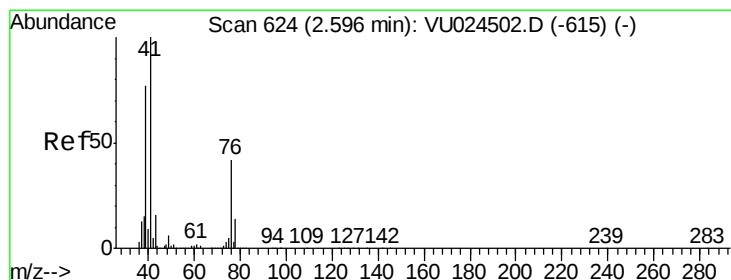
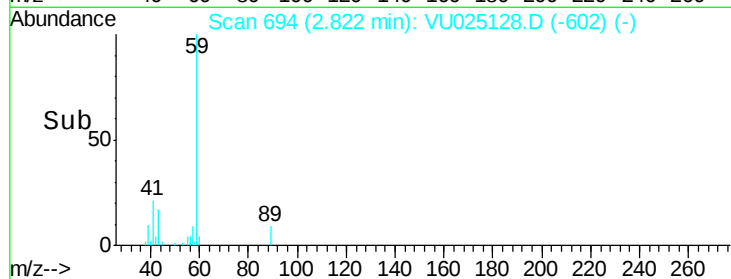
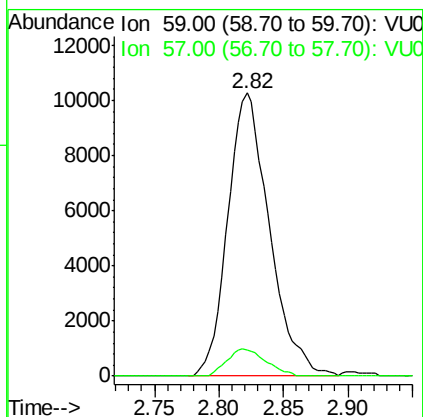
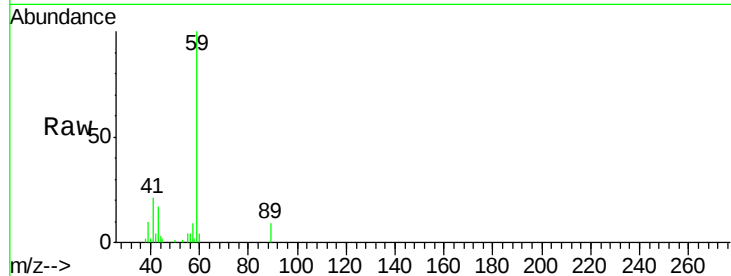




#11
Tert butyl alcohol
Concen: 28.137 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU025128.D
Acq: 01 Jul 2018 08:34

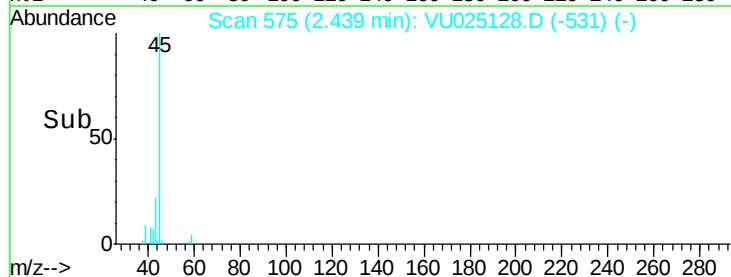
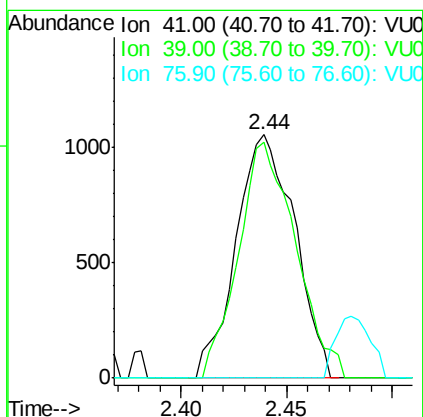
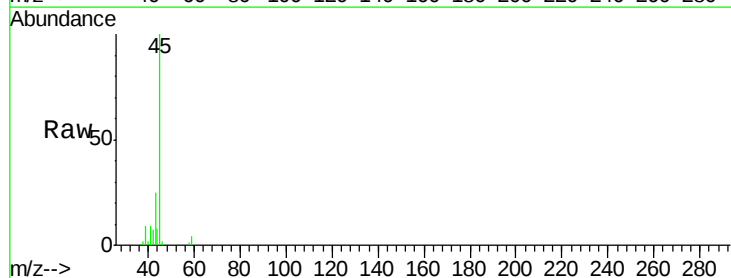
Instrument :
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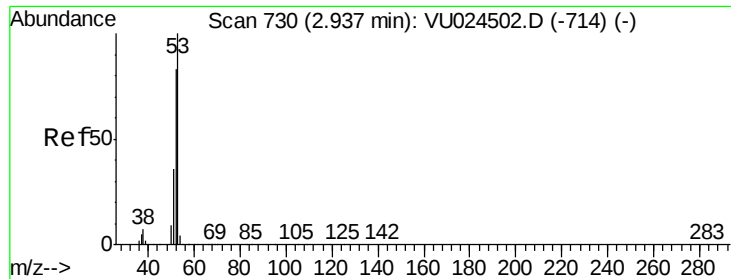
Tgt Ion: 59 Resp: 23064
Ion Ratio Lower Upper
59 100
57 9.0 8.5 12.7



#14
Allyl chloride
Concen: 0.466 ug/l
RT: 2.44 min Scan# 575
Delta R.T. -0.16 min
Lab File: VU025128.D
Acq: 01 Jul 2018 08:34

Tgt Ion: 41 Resp: 2033
Ion Ratio Lower Upper
41 100
39 94.7 61.6 92.4#
76 0.0 29.7 44.5#





#15

Acrylonitrile

Concen: 0.865 ug/l

RT: 3.00 min Scan# 750

Delta R.T. 0.06 min

Lab File: VU025128.D

Acq: 01 Jul 2018 08:34

Instrument :

MSVOA_U

ClientSampled :

MW-6

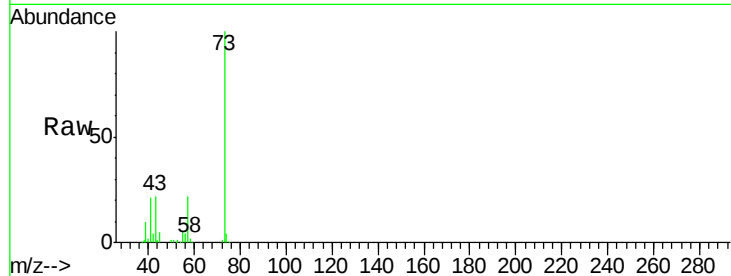
Tgt Ion: 53 Resp: 1379

Ion Ratio Lower Upper

53 100

52 7.6 67.1 100.7#

51 72.2 28.4 42.6#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

800

600

400

200

0

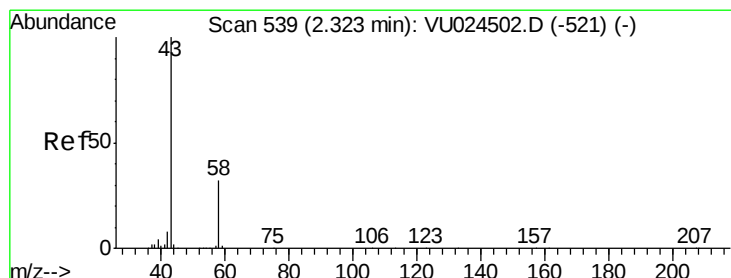
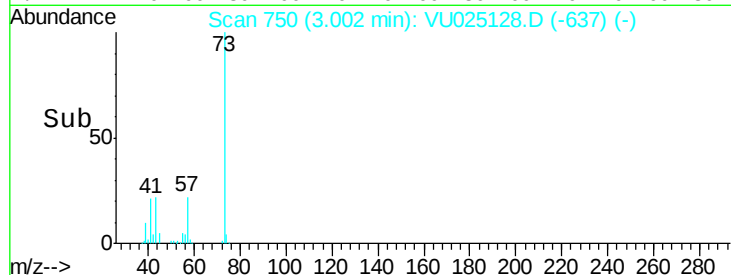
3.00

2.95

3.00

3.05

Time-->



#16

Acetone

Concen: 2.454 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025128.D

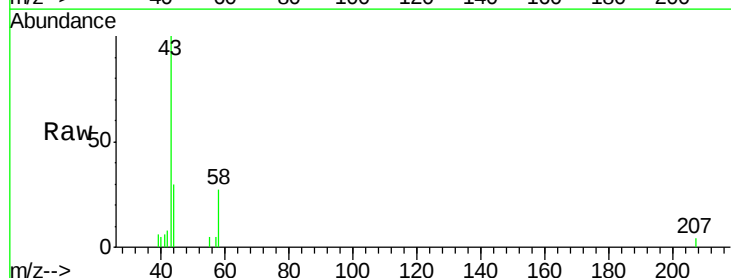
Acq: 01 Jul 2018 08:34

Tgt Ion: 43 Resp: 4444

Ion Ratio Lower Upper

43 100

58 27.1 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

3000

2500

2000

1500

1000

500

0

2.32

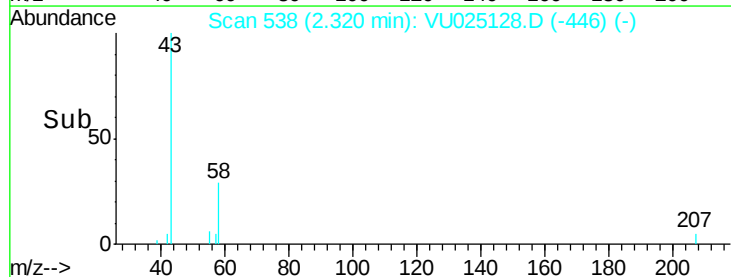
2.25

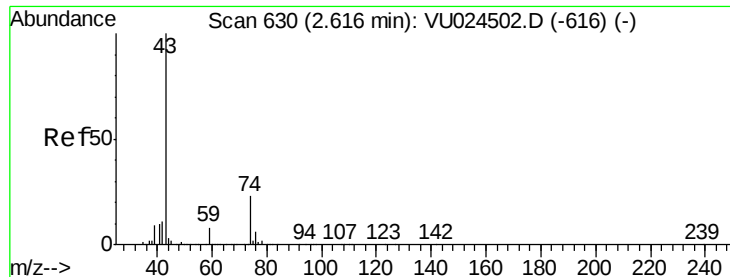
2.30

2.35

2.40

Time-->

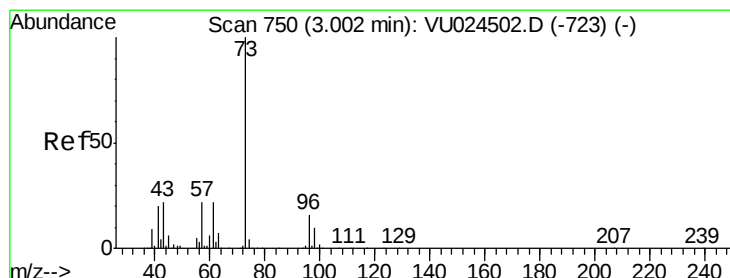
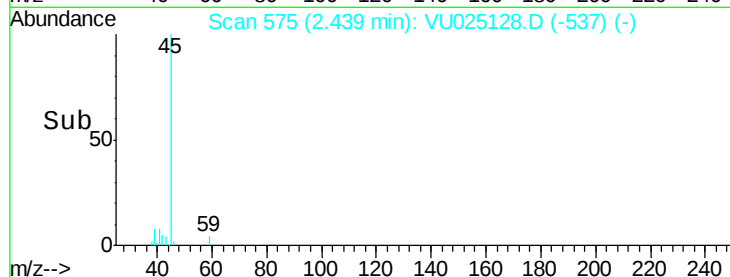
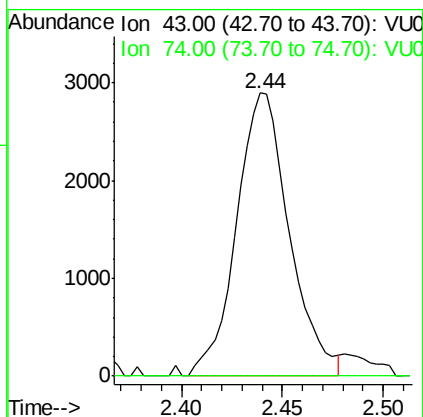
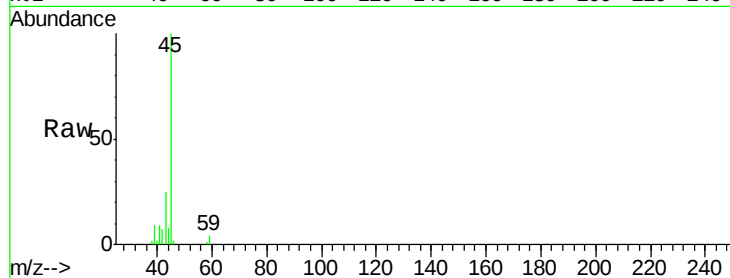




#18
Methyl Acetate
Concen: 1.368 ug/l
RT: 2.44 min Scan# 575
Delta R.T. -0.18 min
Lab File: VU025128.D
Acq: 01 Jul 2018 08:34

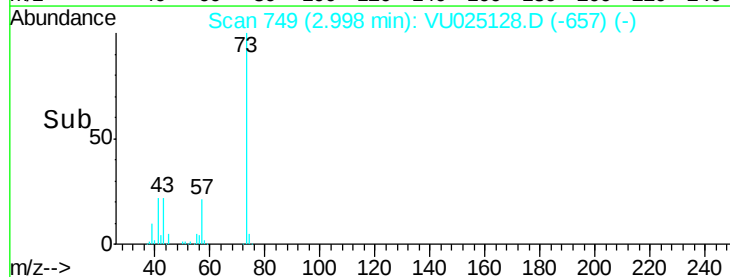
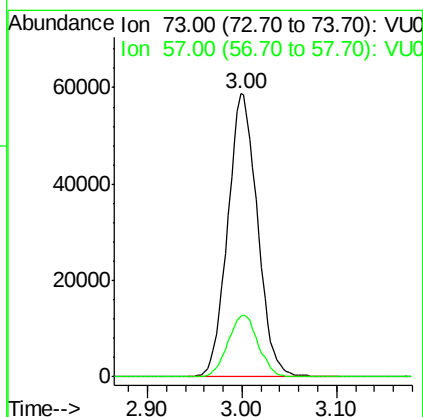
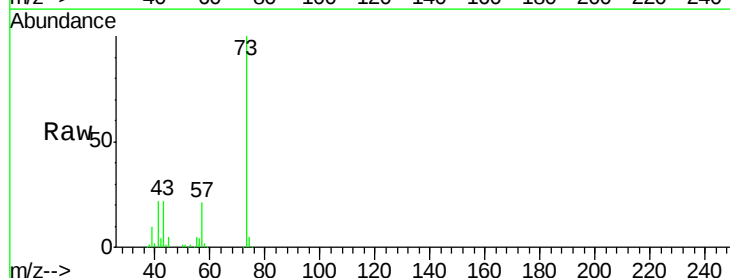
Instrument :
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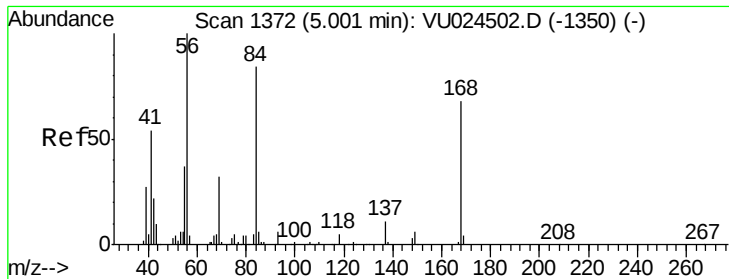
Tgt Ion: 43 Resp: 5311
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#19
Methyl tert-butyl Ether
Concen: 14.519 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025128.D
Acq: 01 Jul 2018 08:34

Tgt Ion: 73 Resp: 128296
Ion Ratio Lower Upper
73 100
57 21.3 18.8 28.2

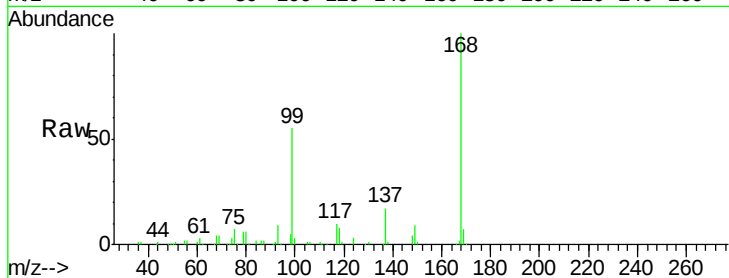




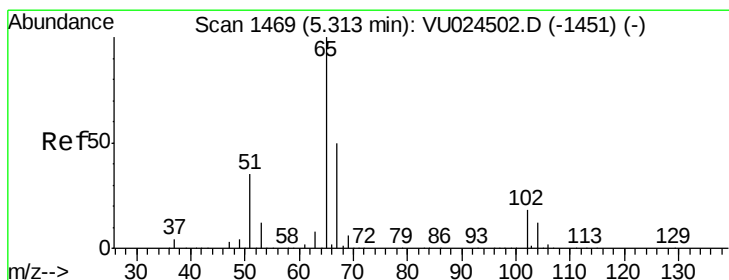
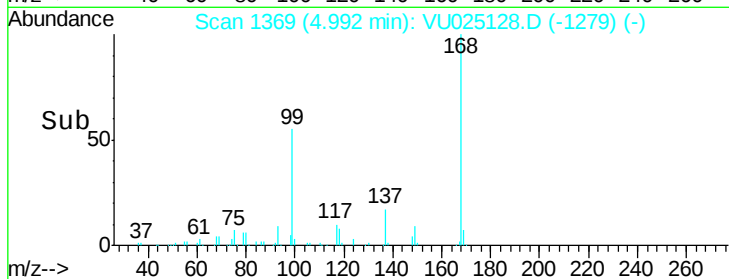
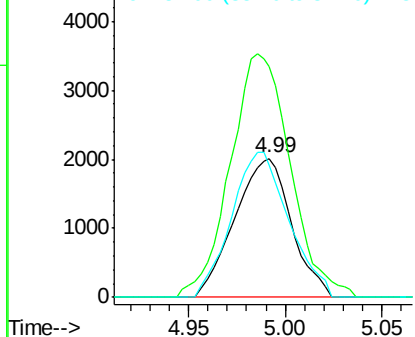
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU025128.D
Acq: 01 Jul 2018 08:34

Instrument :
MSVOA_U
ClientSampled :
MW-6

Tgt Ion: 56 Resp: 4102
Ion Ratio Lower Upper
56 100
69 158.3 24.8 37.2#
84 95.2 65.2 97.8

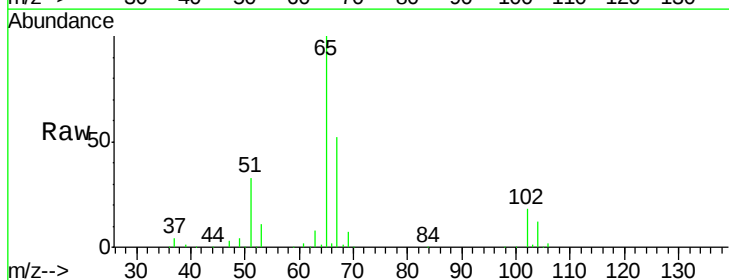


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

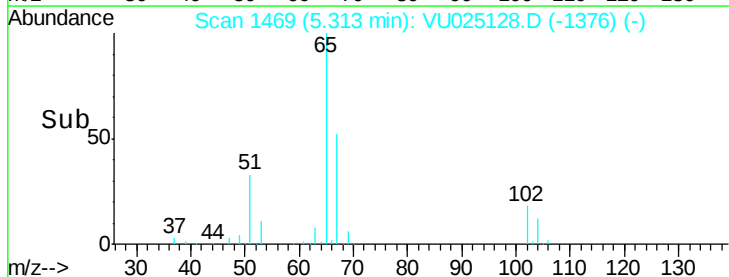
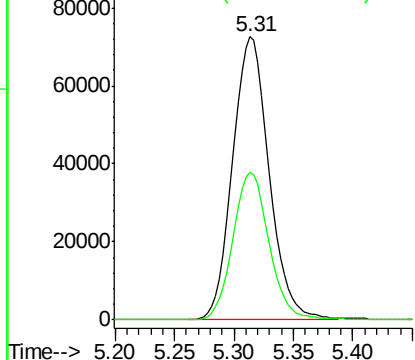


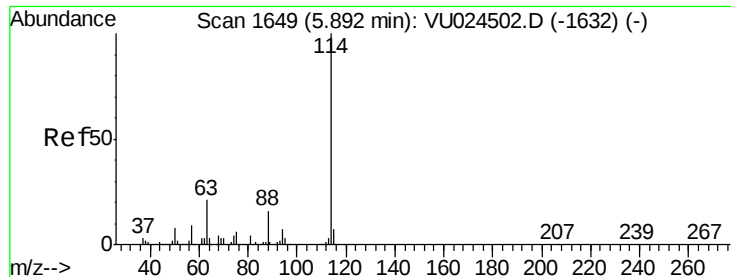
#33
1,2-Dichloroethane-d4
Concen: 45.829 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025128.D
Acq: 01 Jul 2018 08:34

Tgt Ion: 65 Resp: 154462
Ion Ratio Lower Upper
65 100
67 51.4 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: VU025128.D

Acq: 01 Jul 2018 08:34

Instrument :

MSVOA_U

ClientSampleId :

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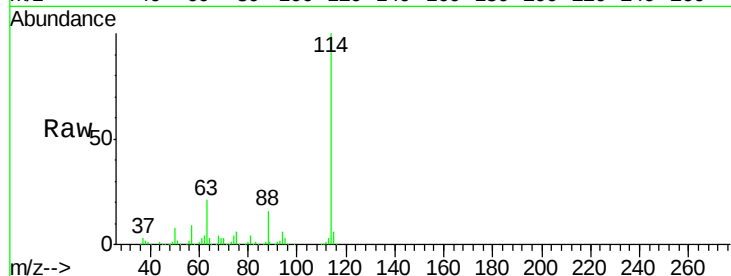
Tgt Ion:114 Resp: 306892

Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.4

88 15.8 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

5.89

200000

150000

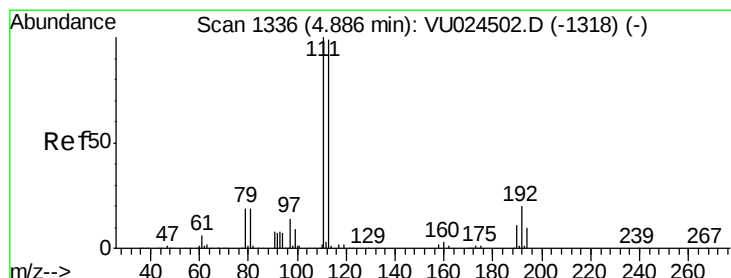
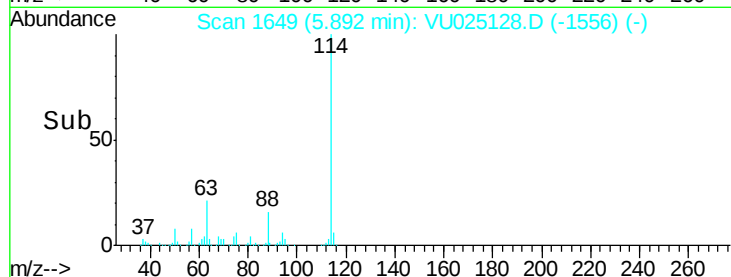
100000

50000

0

Time-->

5.80 5.90 6.00



#35

Dibromofluoromethane

Concen: 46.970 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025128.D

Acq: 01 Jul 2018 08:34

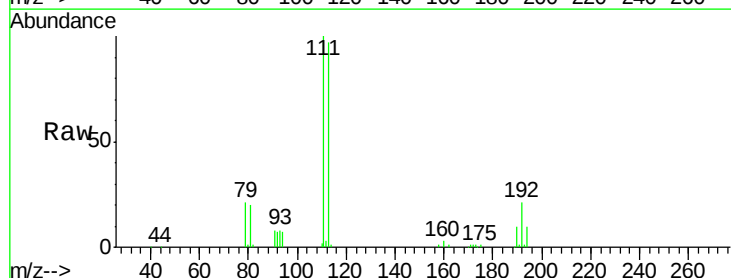
Tgt Ion:113 Resp: 119630

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

192 21.1 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

4.89

60000

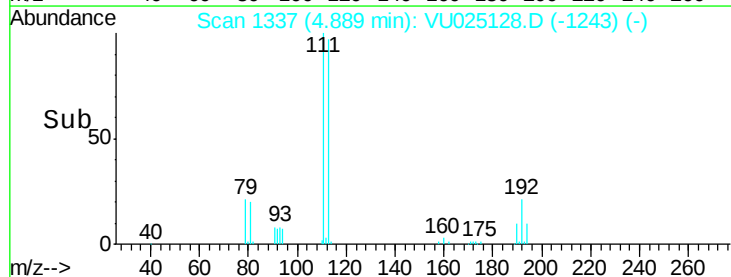
40000

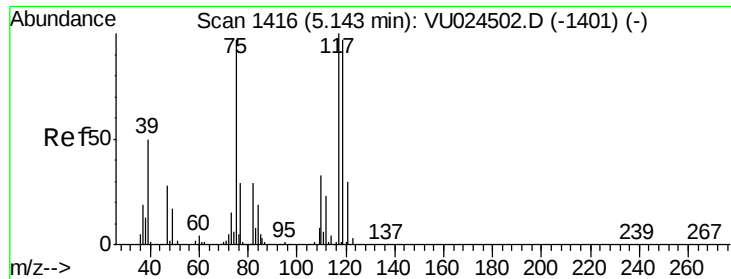
20000

0

Time-->

4.80 4.85 4.90 4.95





#36

1,1-Dichloropropene

Concen: 4.296 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025128.D

Acq: 01 Jul 2018 08:34

Instrument :

MSVOA_U

ClientSampleId :

MW-6

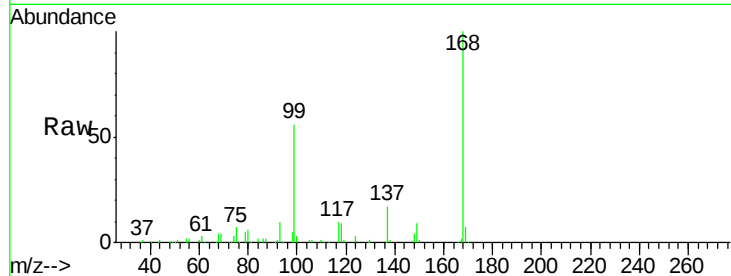
Tgt Ion: 75 Resp: 15493

Ion Ratio Lower Upper

75 100

110 9.3 17.0 50.9#

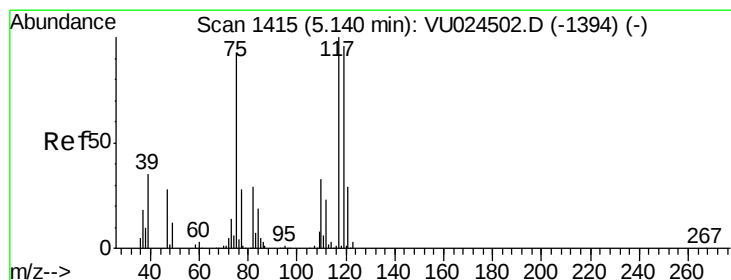
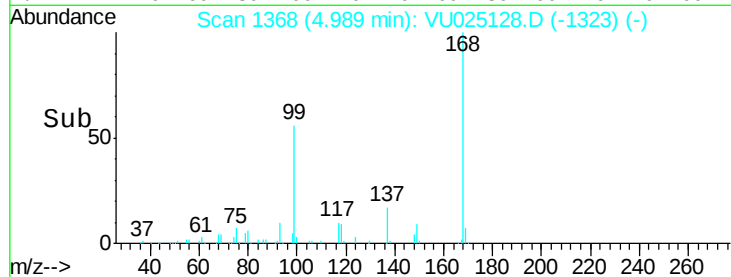
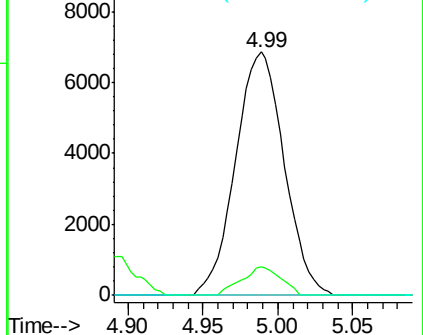
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU025128.D (-1368) (-)

Ion 109.90 (109.60 to 110.60): VU025128.D (-1368) (-)

Ion 76.90 (76.60 to 77.60): VU025128.D (-1368) (-)



#38

Carbon Tetrachloride

Concen: 5.188 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025128.D

Acq: 01 Jul 2018 08:34

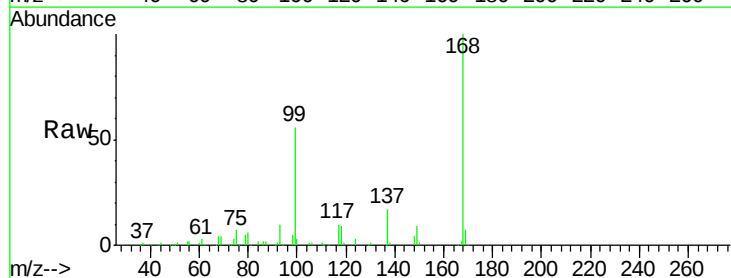
Tgt Ion: 117 Resp: 20574

Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

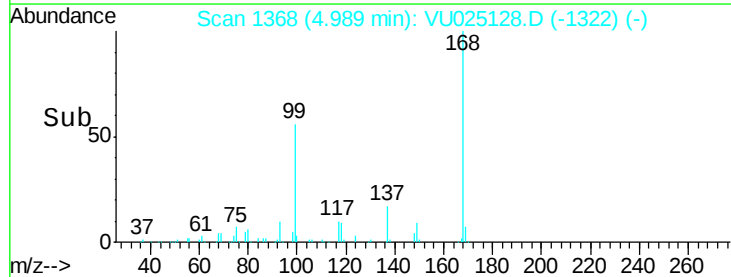
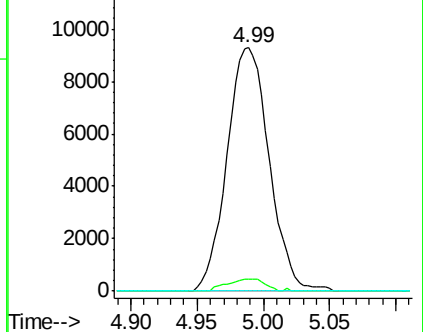
121 0.0 23.7 35.5#

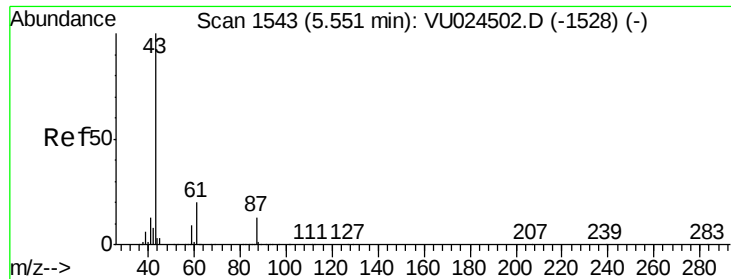


Abundance Ion 116.80 (116.50 to 117.50): VU025128.D (-1368) (-)

Ion 118.80 (118.50 to 119.50): VU025128.D (-1368) (-)

Ion 120.80 (120.50 to 121.50): VU025128.D (-1368) (-)





#43

Isopropyl Acetate

Concen: 3.362 ug/l

RT: 5.54 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VU025128.D

Acq: 01 Jul 2018 08:34

Instrument :

MSVOA_U

ClientSampleId :

MW-6

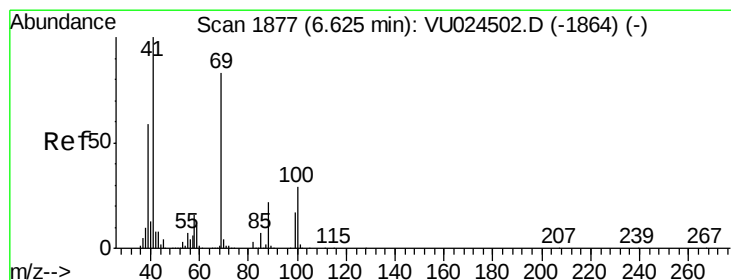
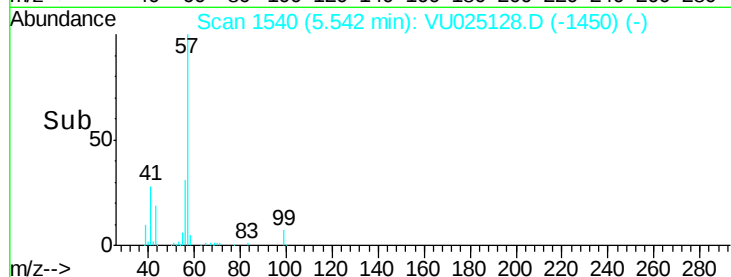
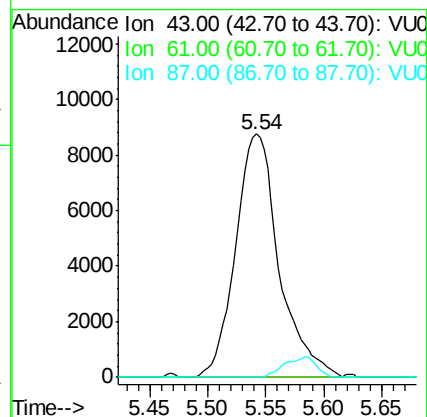
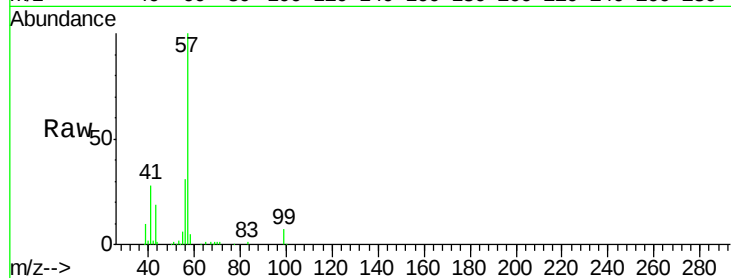
Tgt Ion: 43 Resp: 22839

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

87 0.0 10.0 15.0#



#48

Methyl methacrylate

Concen: 0.462 ug/l

RT: 6.59 min Scan# 1867

Delta R.T. -0.03 min

Lab File: VU025128.D

Acq: 01 Jul 2018 08:34

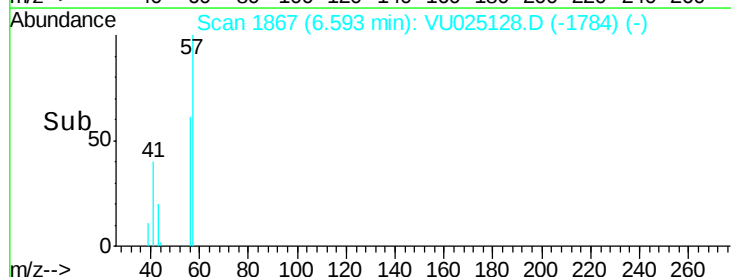
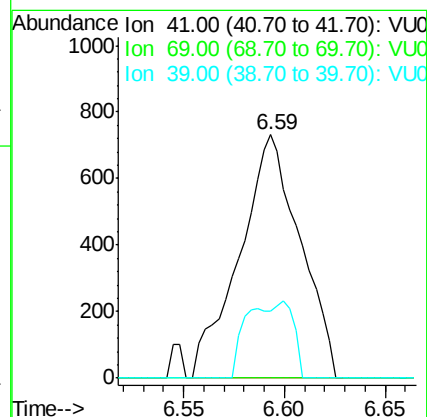
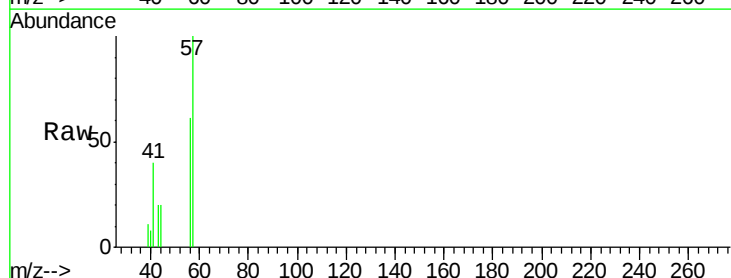
Tgt Ion: 41 Resp: 1530

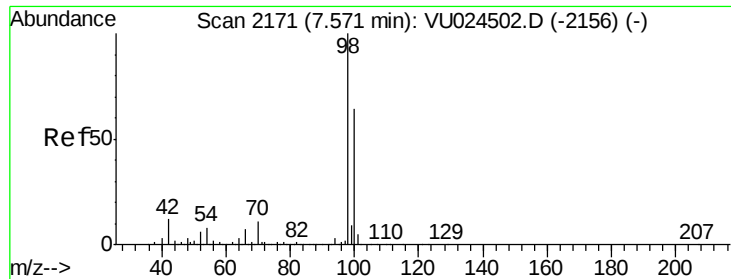
Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

39 14.2 46.5 69.7#





#50

Toluene-d8

Concen: 47.481 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025128.D

Acq: 01 Jul 2018 08:34

Instrument :

MSVOA_U

ClientSampleId :

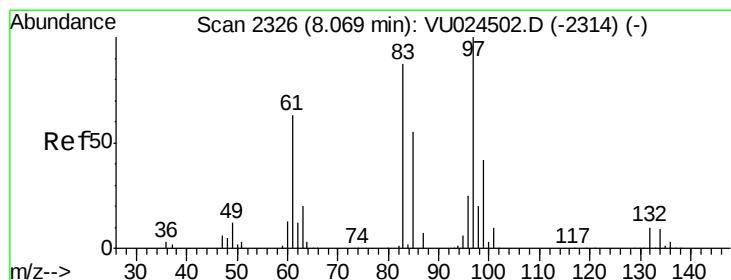
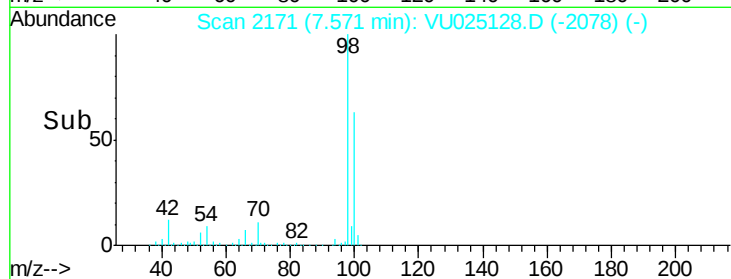
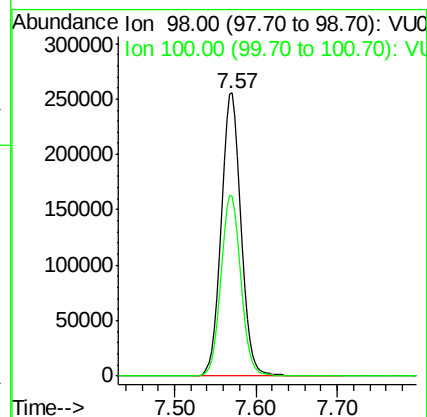
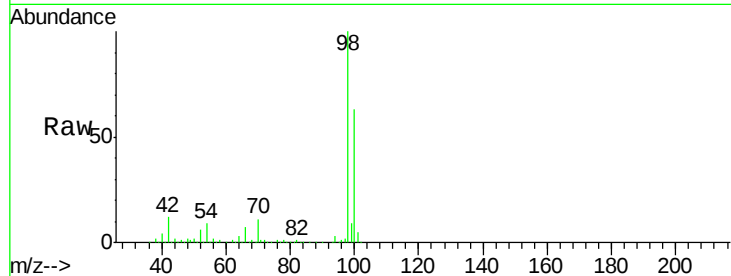
MW-6

Tgt Ion: 98 Resp: 441109

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



#55

1,1,2-Trichloroethane

Concen: 0.238 ug/l

RT: 7.92 min Scan# 2281

Delta R.T. -0.14 min

Lab File: VU025128.D

Acq: 01 Jul 2018 08:34

Tgt Ion: 97 Resp: 640

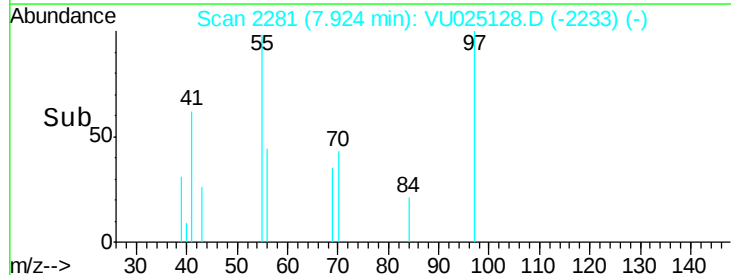
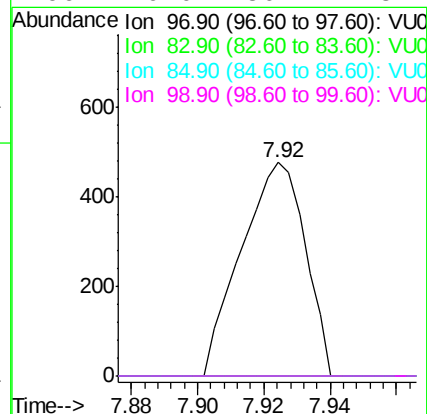
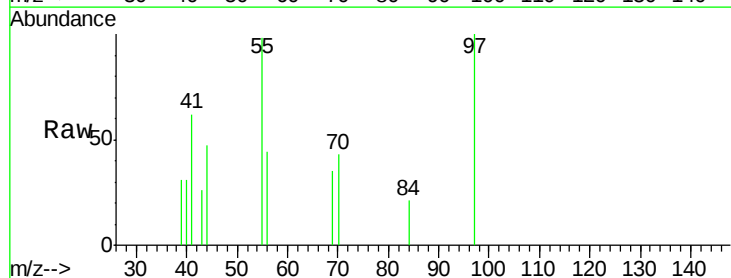
Ion Ratio Lower Upper

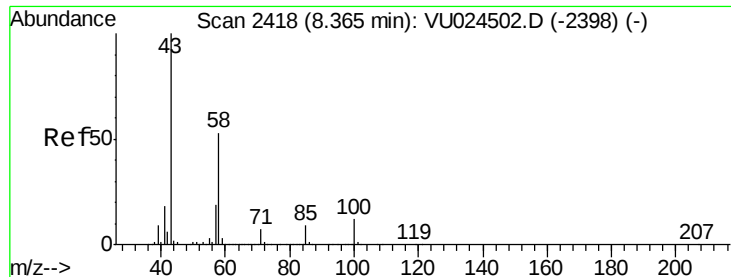
97 100

83 0.0 70.5 105.7#

85 0.0 46.4 69.6#

99 0.0 50.2 75.2#

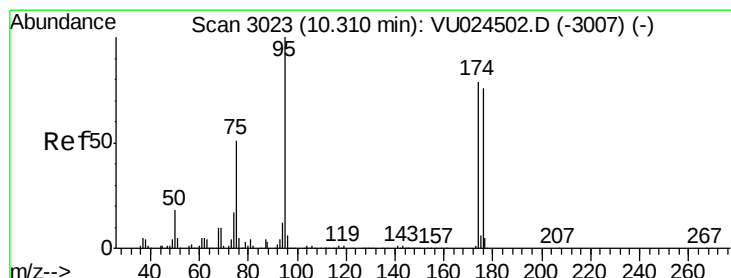
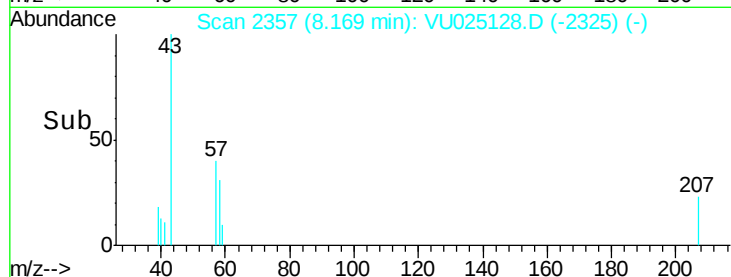
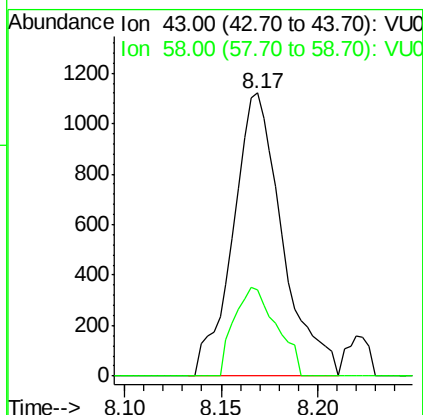
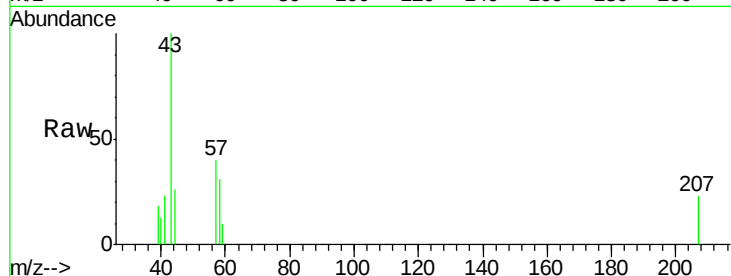




#59
2-Hexanone
Concen: 0.570 ug/l
RT: 8.17 min Scan# 2357
Delta R.T. -0.20 min
Lab File: VU025128.D
Acq: 01 Jul 2018 08:34

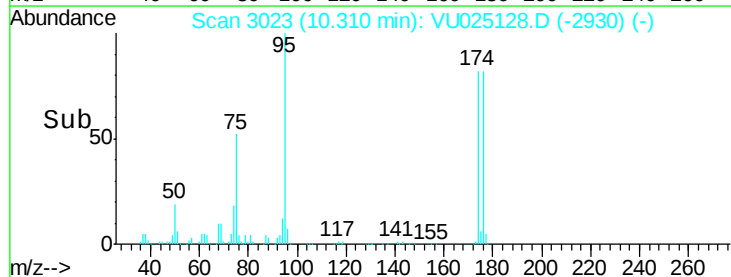
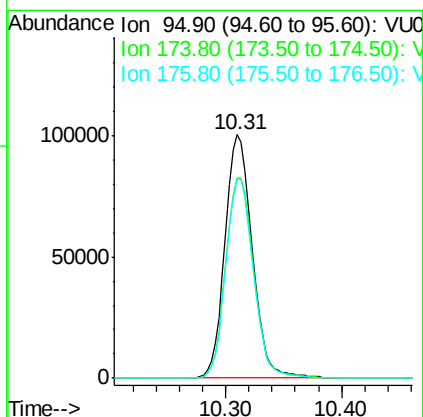
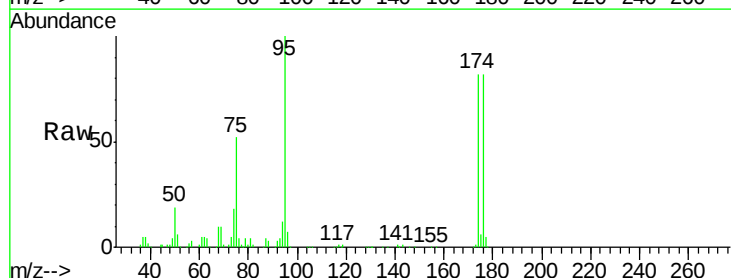
Instrument :
MSVOA_U
ClientSampleId :
MW-6

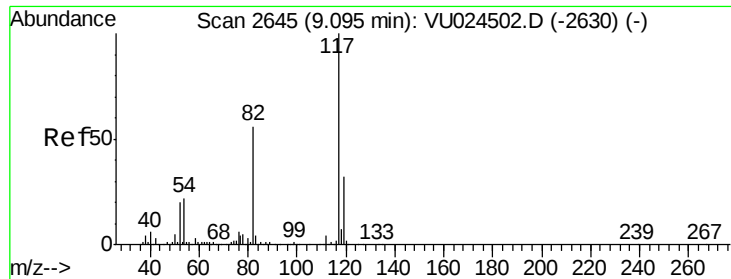
Tgt Ion: 43 Resp: 1987
Ion Ratio Lower Upper
43 100
58 26.8 26.4 79.0



#62
4-Bromofluorobenzene
Concen: 44.171 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025128.D
Acq: 01 Jul 2018 08:34

Tgt Ion: 95 Resp: 162929
Ion Ratio Lower Upper
95 100
174 84.8 0.0 165.8
176 83.1 0.0 159.4

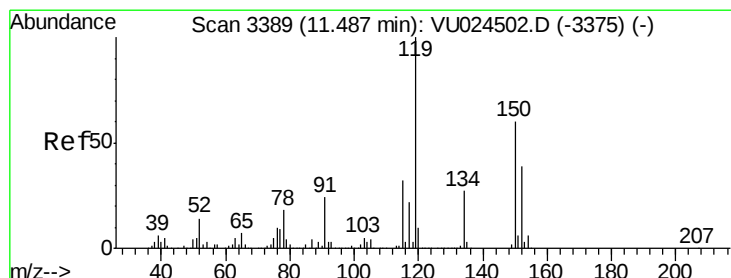
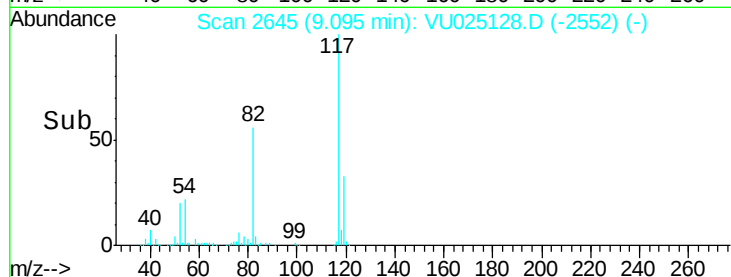
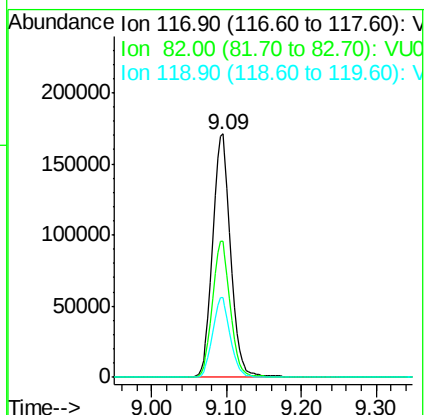
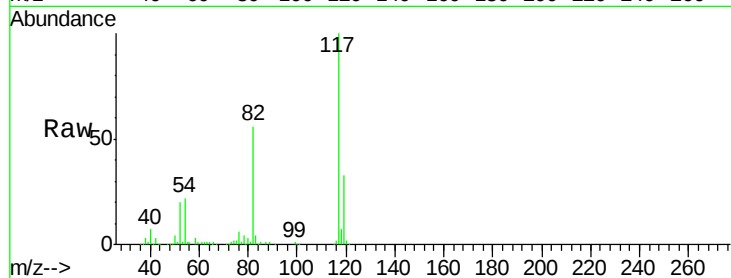




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU025128.D
 Acq: 01 Jul 2018 08:34

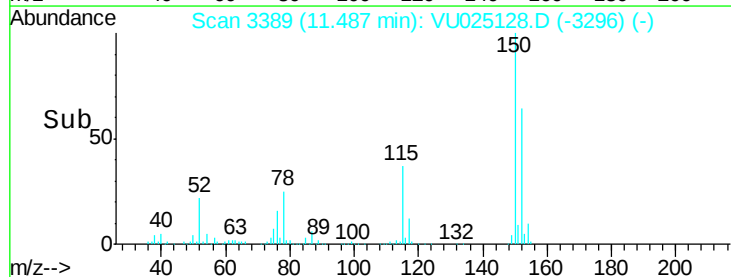
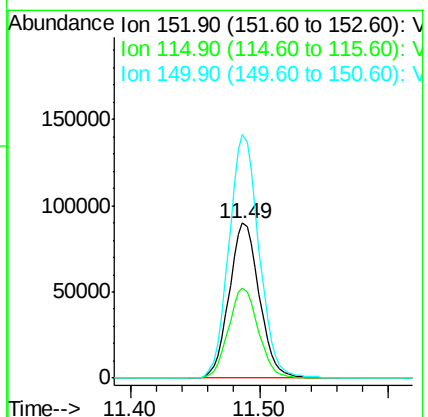
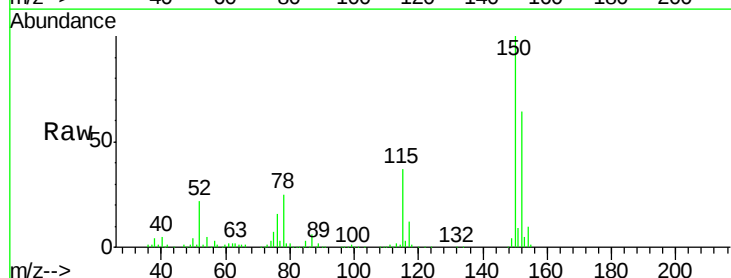
Instrument :
 MSVOA_U
 ClientSampled :
 MW-6

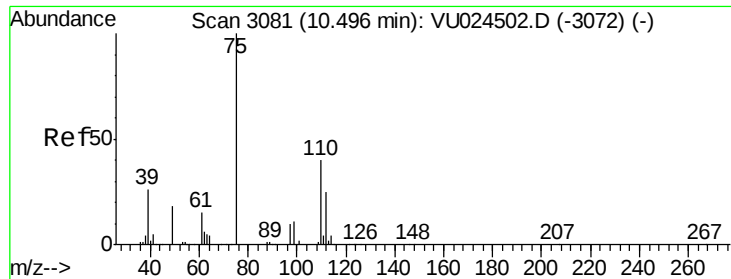
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.3	66.5
119	32.5	25.4	38.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU025128.D
 Acq: 01 Jul 2018 08:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	43.0	129.0
150	156.4	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 26.186 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025128.D

Acq: 01 Jul 2018 08:34

Instrument :

MSVOA_U

ClientSampled :

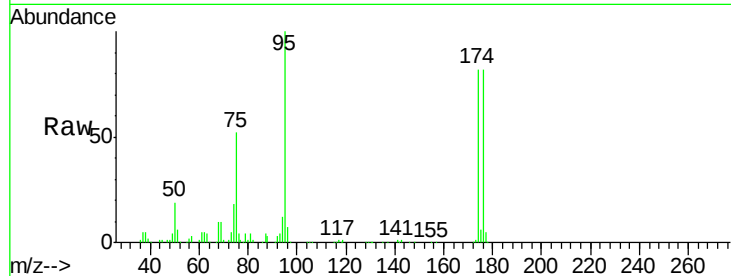
MW-6

Tgt Ion: 75 Resp: 84152

Ion Ratio Lower Upper

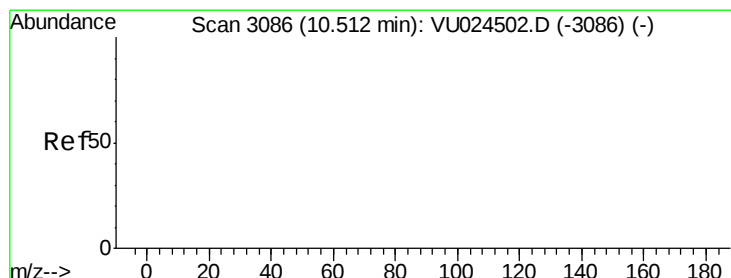
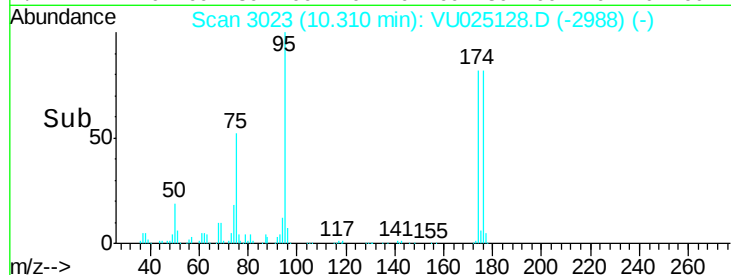
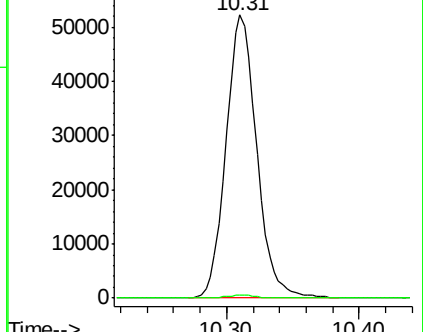
75 100

77 1.0 20.9 62.7#



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: 60.606 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025128.D

Acq: 01 Jul 2018 08:34

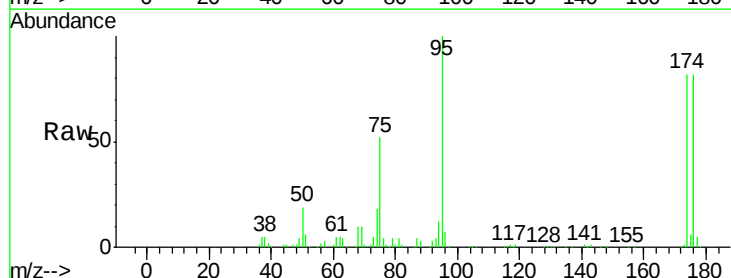
Tgt Ion: 75 Resp: 84152

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

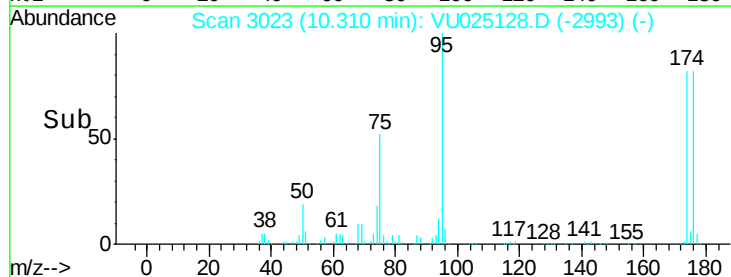
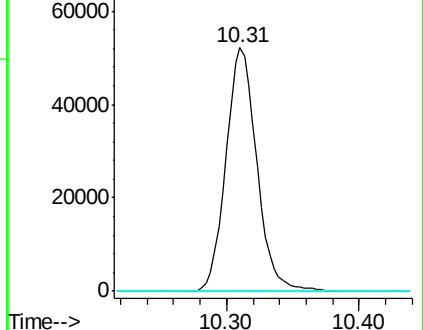
89 0.0 0.0 0.0

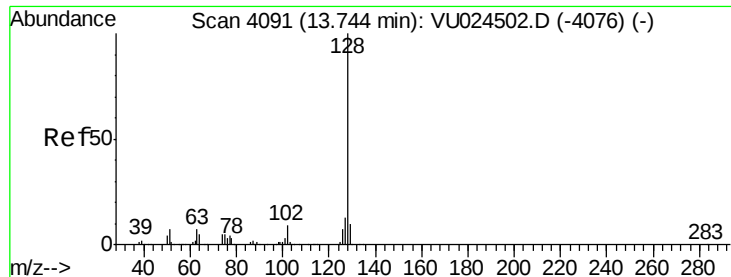


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95
Naphthalene
Concen: 0.705 ug/l
RT: 13.61 min Scan# 4049
Delta R.T. -0.13 min
Lab File: VU025128.D
Acq: 01 Jul 2018 08:34

Instrument :
MSVOA_U
ClientSampleId :
MW-6

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	117.1	8.6	12.8#

