

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
 Data File : VU025880.D
 Acq On : 06 Aug 2018 12:59
 Operator : MD/SY
 Sample : VU0806WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBL01

Quant Time: Aug 07 03:55:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	176177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	279630	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	139575	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	142994	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	4.89	113	123878	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
50) Toluene-d8	7.57	98	415260	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	10.31	95	142129	43.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.06%	

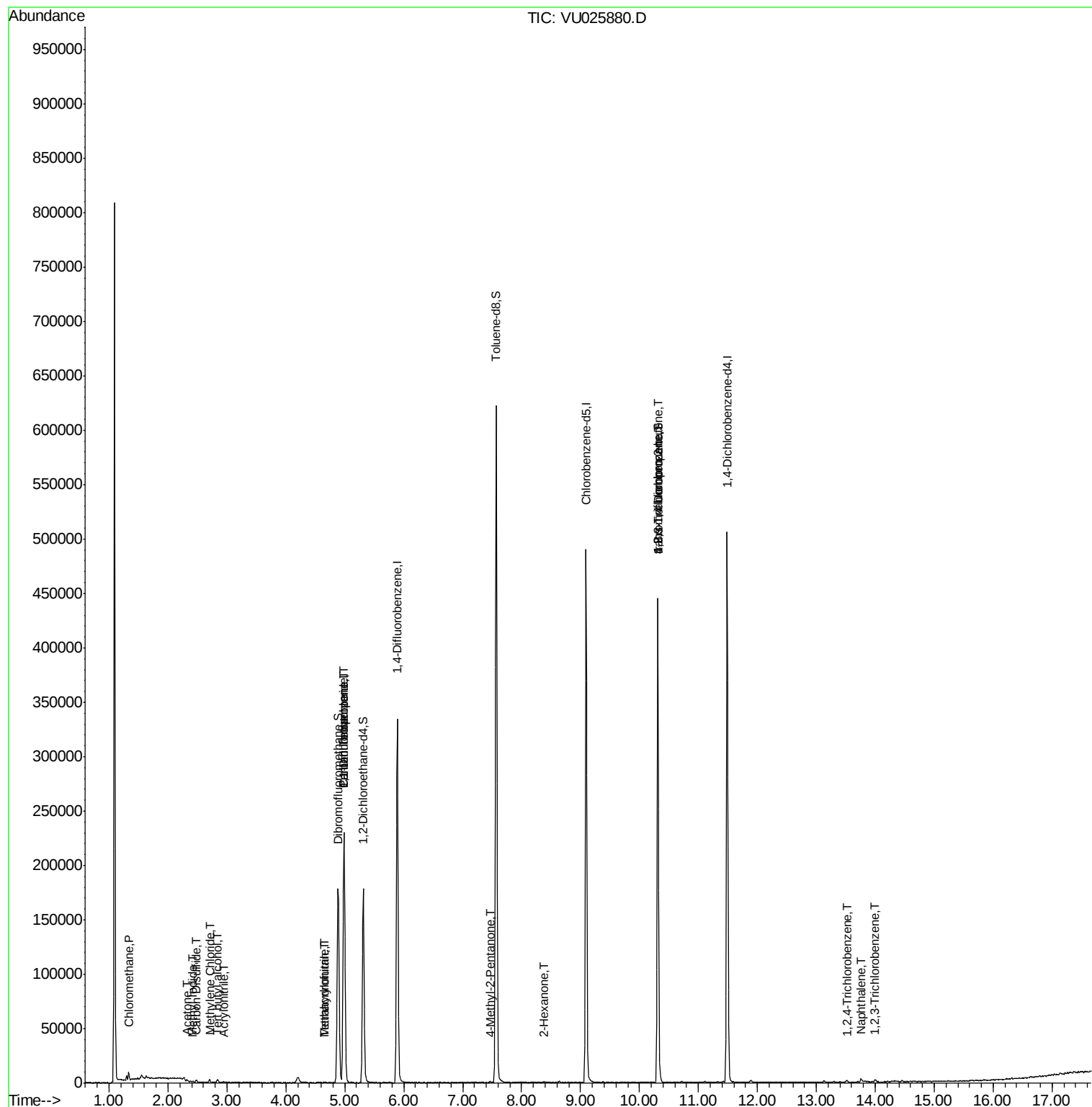
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	5427	2.132	ug/l	97
10) Methyl Iodide	2.42	142	435	8.788	ug/l #	66
11) Tert butyl alcohol	2.84	59	1578	2.626	ug/l #	73
13) Acrolein	2.20	56	163	Below Cal	#	4
15) Acrylonitrile	2.95	53	348	0.290	ug/l #	75
16) Acetone	2.32	43	1275	0.953	ug/l #	46
17) Carbon Disulfide	2.48	76	2241	0.366	ug/l	97
20) Methylene Chloride	2.71	84	1148	0.484	ug/l	91
29) Tetrahydrofuran	4.65	42	721	0.661	ug/l #	36
31) Cyclohexane	4.99	56	3588	Below Cal	#	11
36) 1,1-Dichloropropene	4.99	75	13607	4.164	ug/l #	50
38) Carbon Tetrachloride	4.99	117	16667	4.503	ug/l #	17
41) Methacrylonitrile	4.66	41	577	0.307	ug/l #	27
51) 4-Methyl-2-Pentanone	7.47	43	906	0.258	ug/l #	75
59) 2-Hexanone	8.38	43	1200	0.437	ug/l	77
76) 1,2,3-Trichloropropane	10.31	75	74350	24.177	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	74350	60.623	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	886	0.275	ug/l #	79
95) Naphthalene	13.76	128	4406	1.665	ug/l #	73
96) 1,2,3-Trichlorobenzene	14.00	180	1472	0.457	ug/l	77

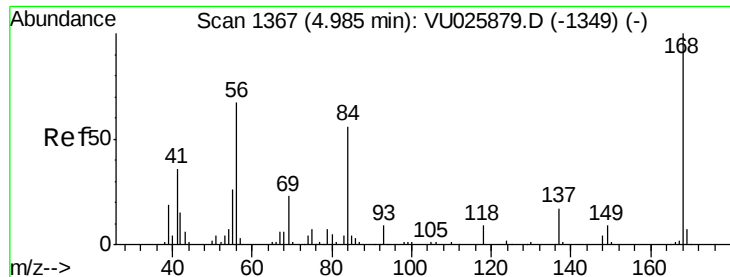
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025880.D

Acq: 06 Aug 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

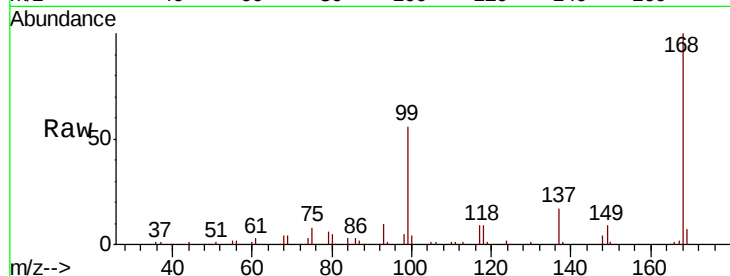
VU0806WBL01

Tgt Ion:168 Resp: 176177

Ion Ratio Lower Upper

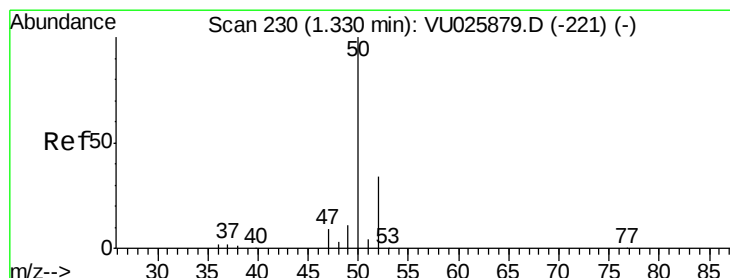
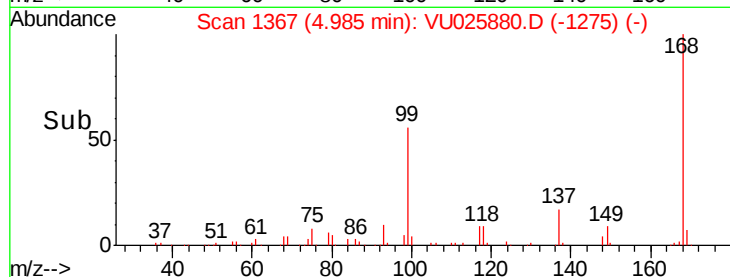
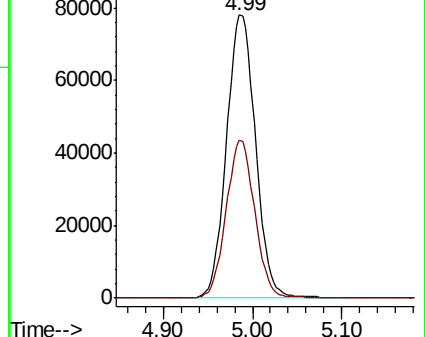
168 100

99 55.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025879.D (-1349) (-)



#3

Chloromethane

Concen: 2.132 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025880.D

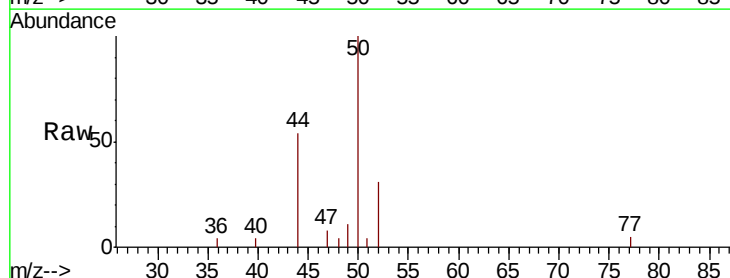
Acq: 06 Aug 2018 12:59

Tgt Ion: 50 Resp: 5427

Ion Ratio Lower Upper

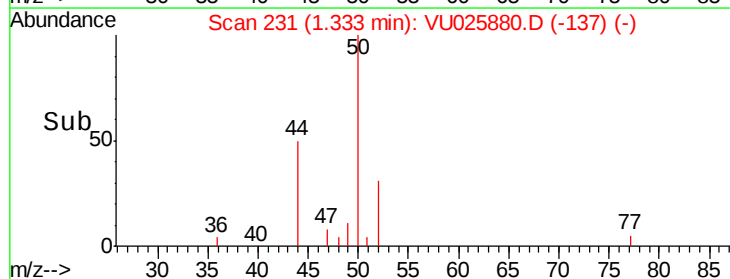
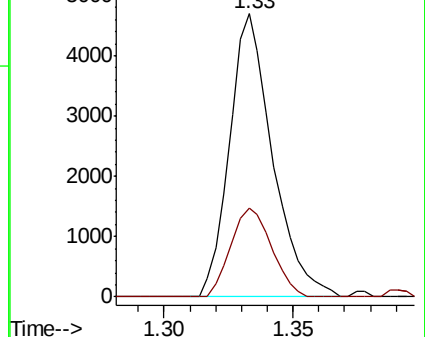
50 100

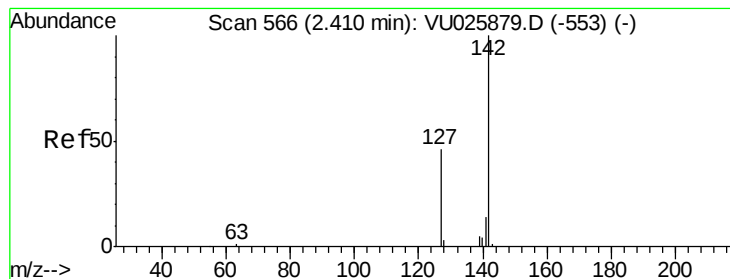
52 31.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025879.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025879.D (-221) (-)





#10

Methyl Iodide

Concen: 8.788 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.01 min

Lab File: VU025880.D

Acq: 06 Aug 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBL01

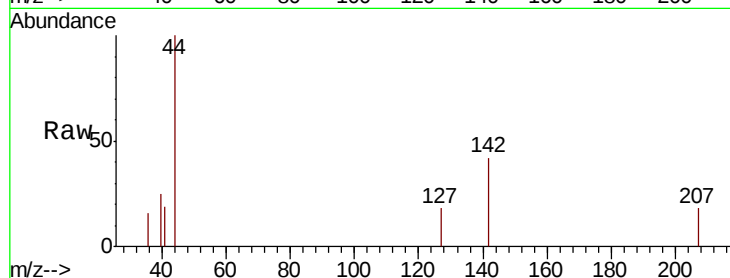
Tgt Ion: 142 Resp: 435

Ion Ratio Lower Upper

142 100

127 23.4 36.5 54.7#

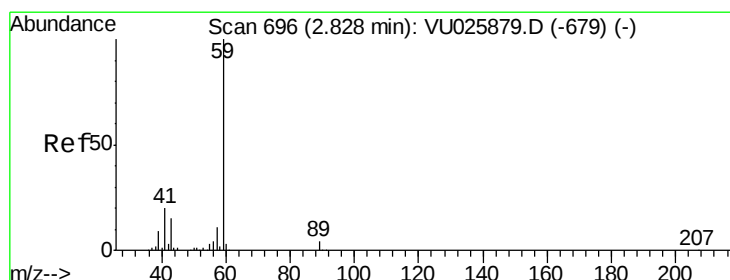
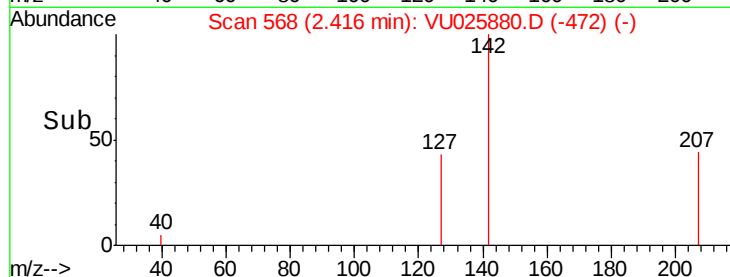
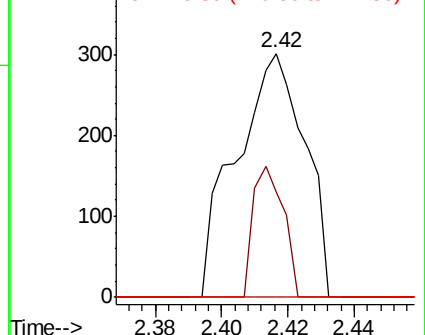
141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 2.626 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU025880.D

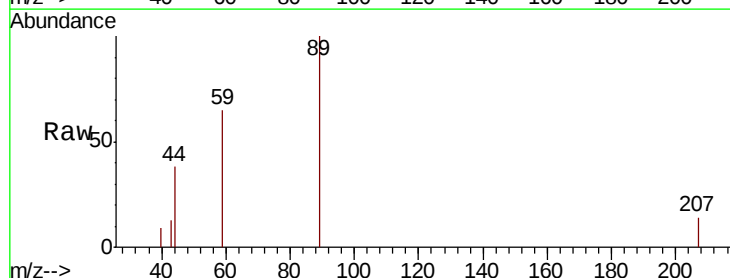
Acq: 06 Aug 2018 12:59

Tgt Ion: 59 Resp: 1578

Ion Ratio Lower Upper

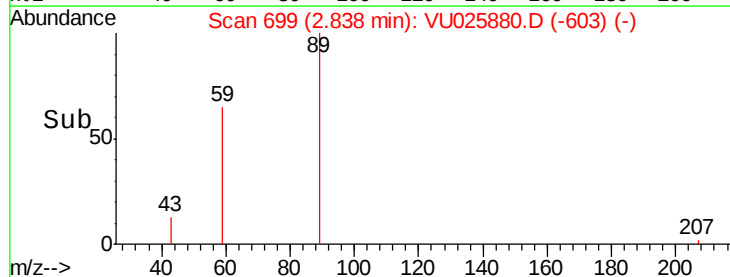
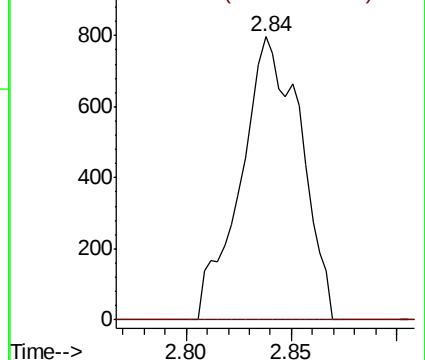
59 100

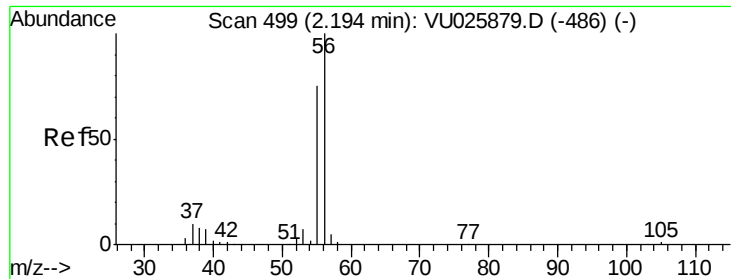
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: Below Cal

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025880.D

Acq: 06 Aug 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

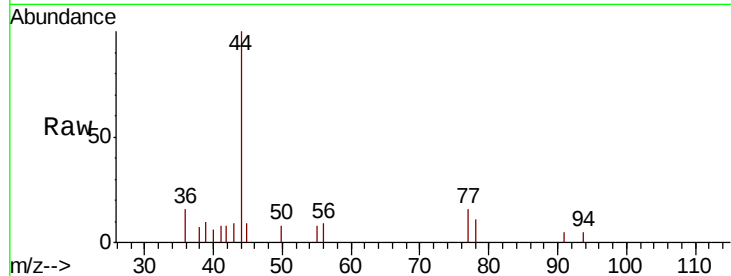
VU0806WBL01

Tgt Ion: 56 Resp: 163

Ion Ratio Lower Upper

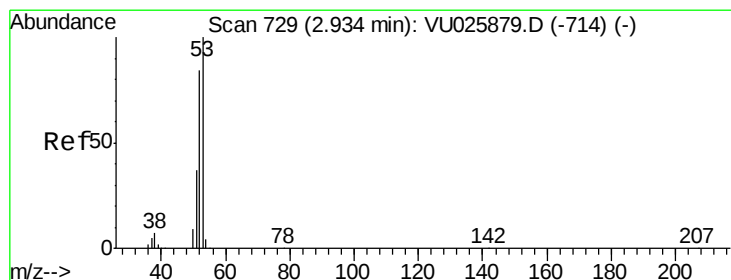
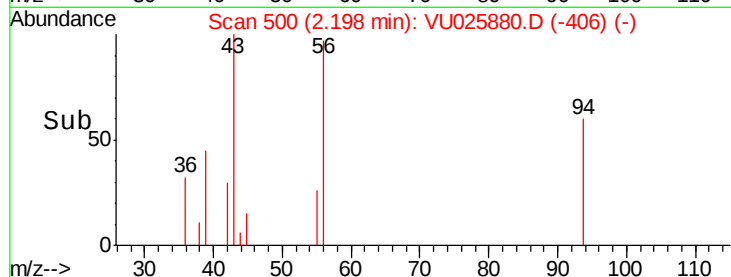
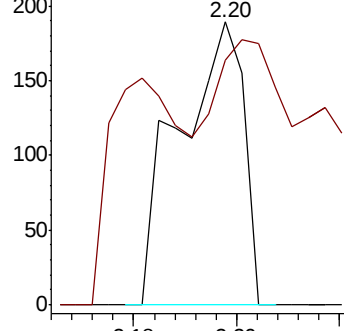
56 100

55 151.5 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#15

Acrylonitrile

Concen: 0.290 ug/l

RT: 2.95 min Scan# 734

Delta R.T. 0.01 min

Lab File: VU025880.D

Acq: 06 Aug 2018 12:59

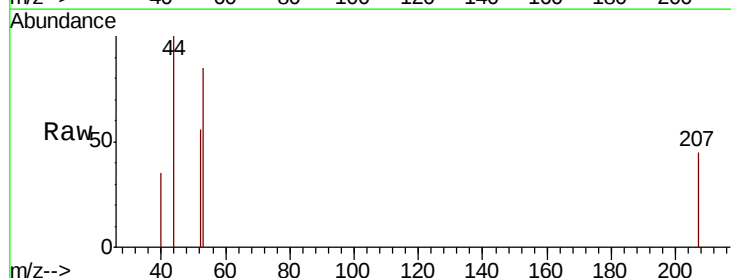
Tgt Ion: 53 Resp: 348

Ion Ratio Lower Upper

53 100

52 71.3 66.6 99.8

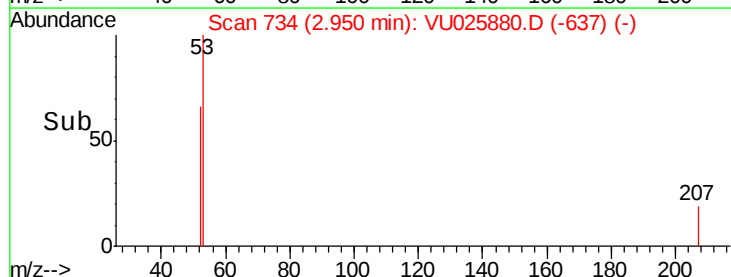
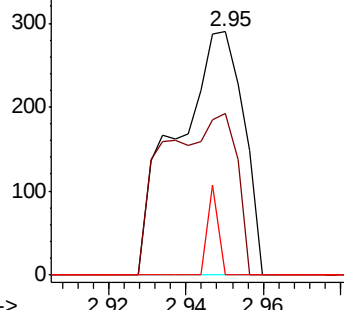
51 6.0 29.4 44.2#

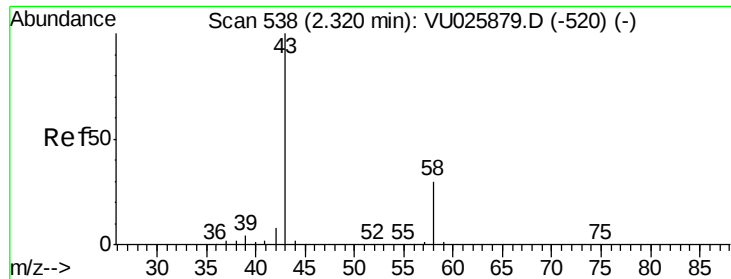


Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0





#16

Acetone

Concen: 0.953 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025880.D

Acq: 06 Aug 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

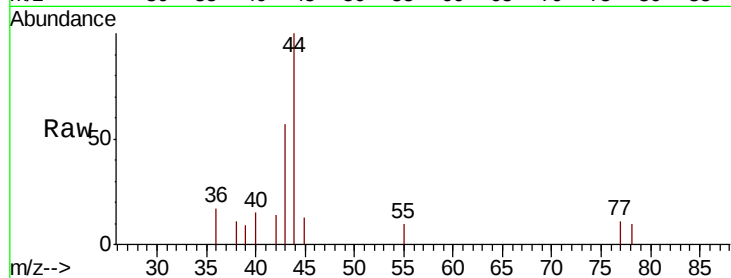
VU0806WBL01

Tgt Ion: 43 Resp: 1275

Ion Ratio Lower Upper

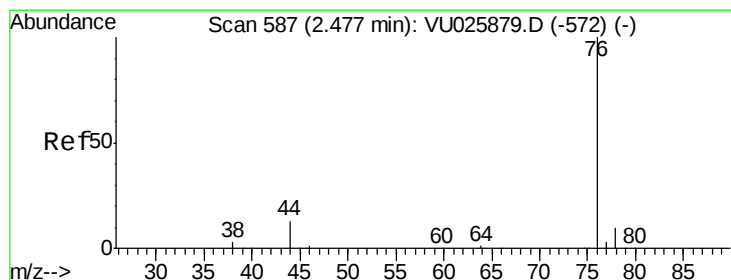
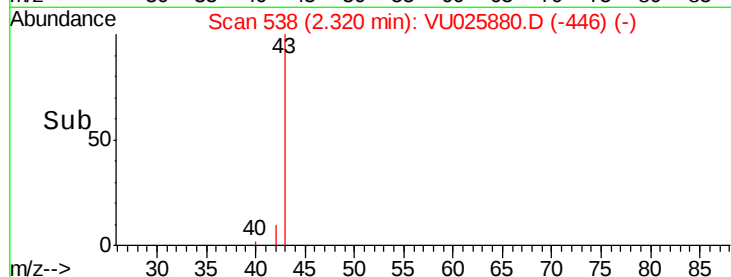
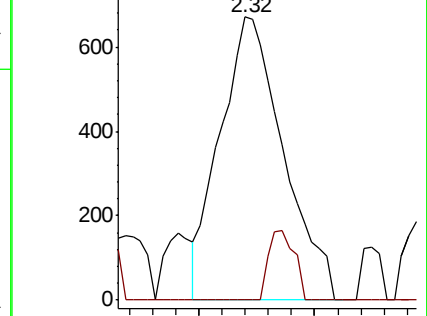
43 100

58 0.0 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 0.366 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025880.D

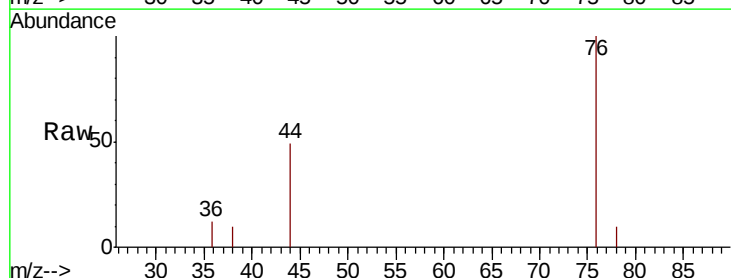
Acq: 06 Aug 2018 12:59

Tgt Ion: 76 Resp: 2241

Ion Ratio Lower Upper

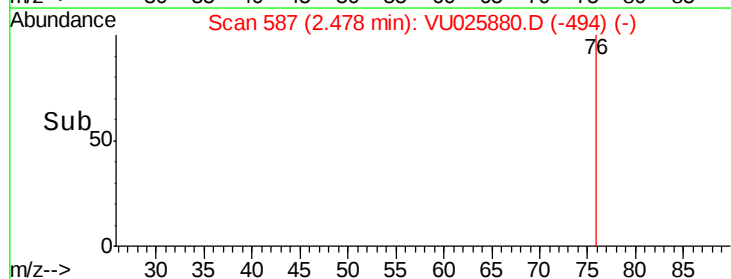
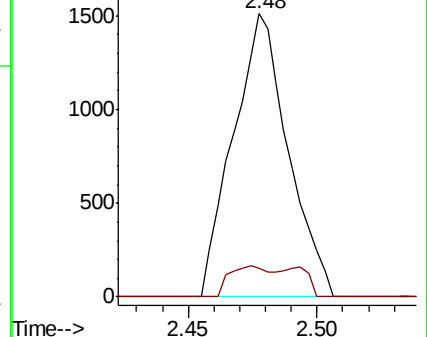
76 100

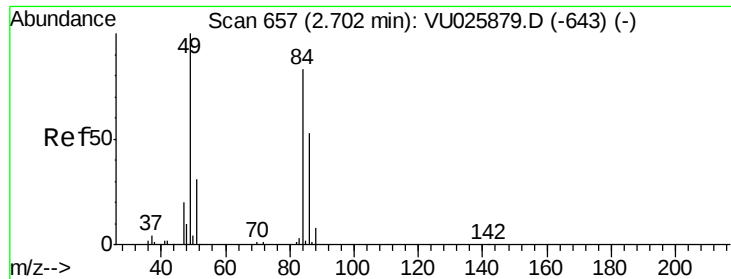
78 10.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0





#20

Methylene Chloride

Concen: 0.484 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025880.D

Acq: 06 Aug 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBL01

Tgt Ion: 84 Resp: 1148

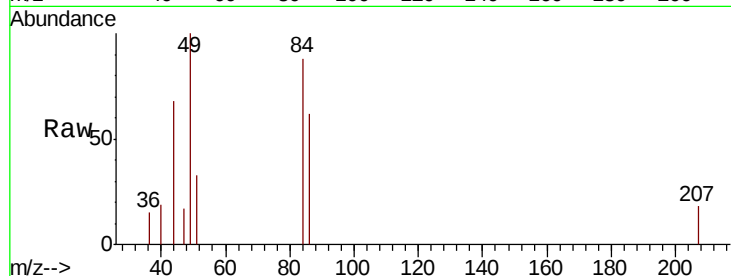
Ion Ratio Lower Upper

84 100

49 113.5 101.8 152.6

51 37.1 30.8 46.2

86 70.2 51.9 77.9

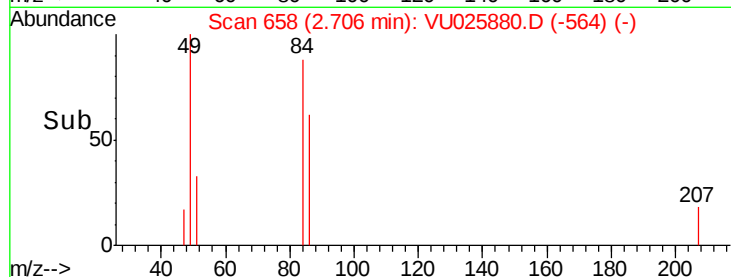
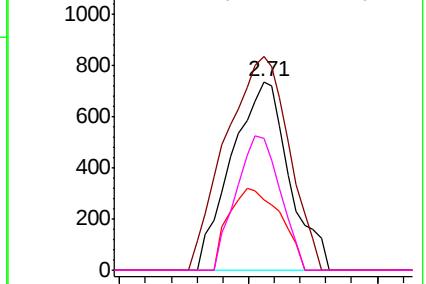


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#29

Tetrahydrofuran

Concen: 0.661 ug/l

RT: 4.65 min Scan# 1264

Delta R.T. 0.02 min

Lab File: VU025880.D

Acq: 06 Aug 2018 12:59

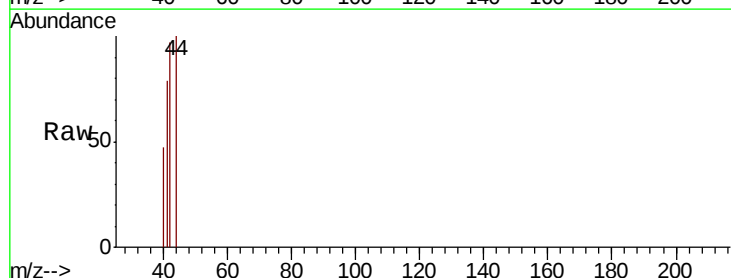
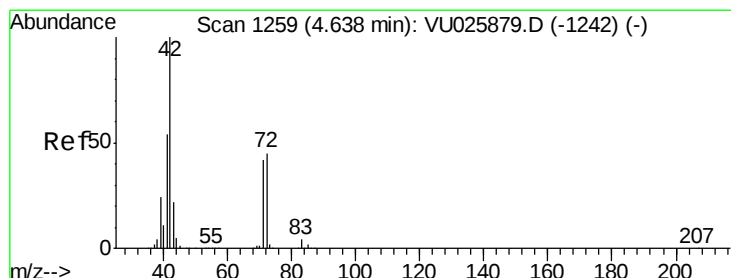
Tgt Ion: 42 Resp: 721

Ion Ratio Lower Upper

42 100

72 5.7 36.7 55.1#

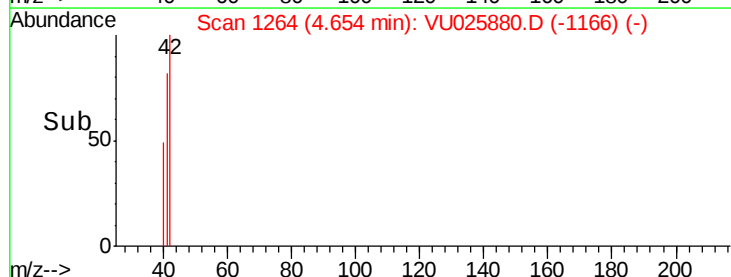
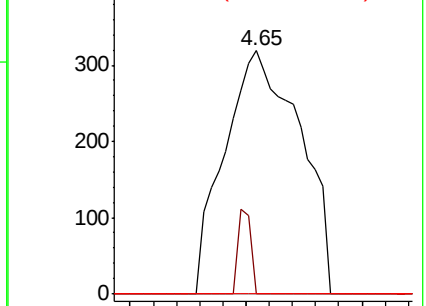
71 0.0 33.9 50.9#

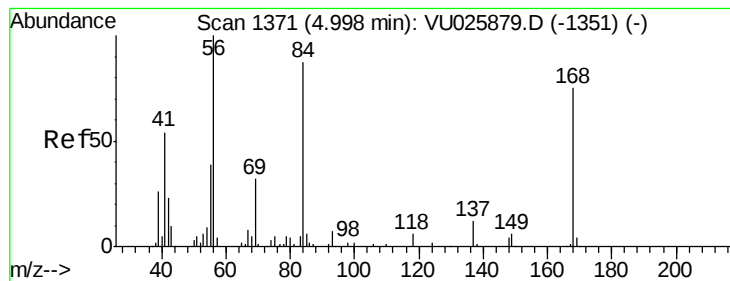


Abundance Ion 42.00 (41.70 to 42.70): VU0

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: VU025880.D

Acq: 06 Aug 2018 12:59

Instrument :

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ClientSampleId :

VU0806WBL01

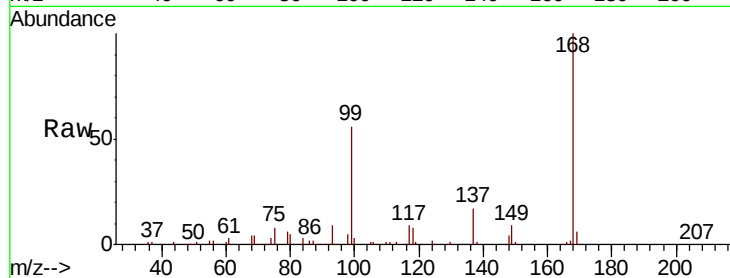
Tgt Ion: 56 Resp: 3588

Ion Ratio Lower Upper

56 100

69 155.1 26.8 40.2#

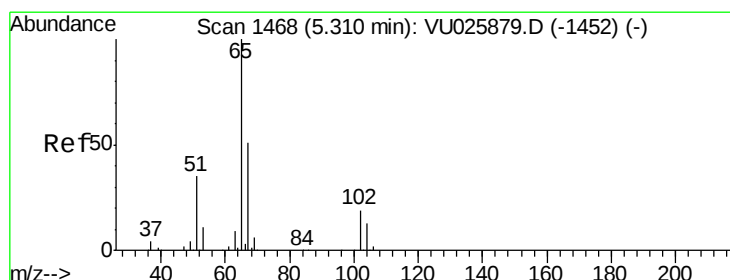
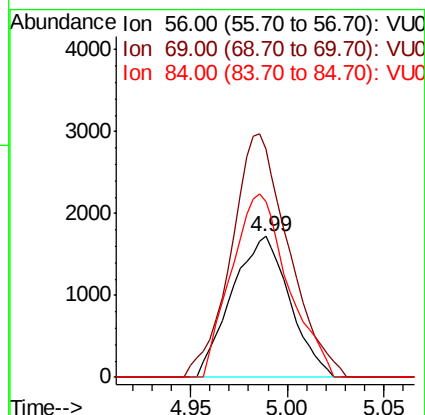
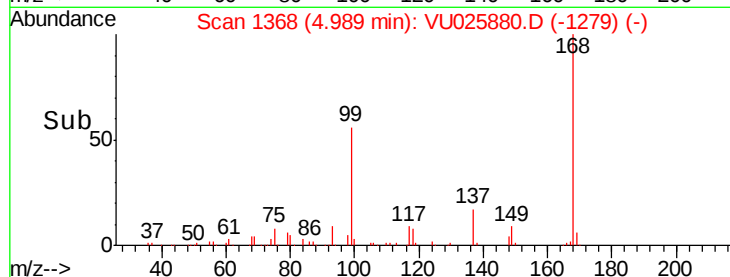
84 124.7 69.7 104.5#



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: 52.092 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025880.D

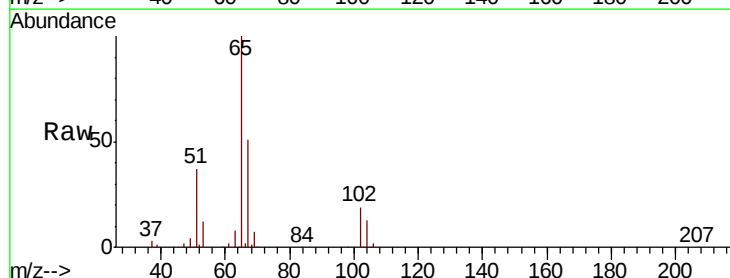
Acq: 06 Aug 2018 12:59

Tgt Ion: 65 Resp: 142994

Ion Ratio Lower Upper

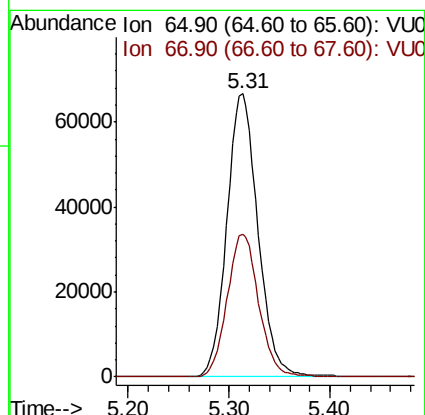
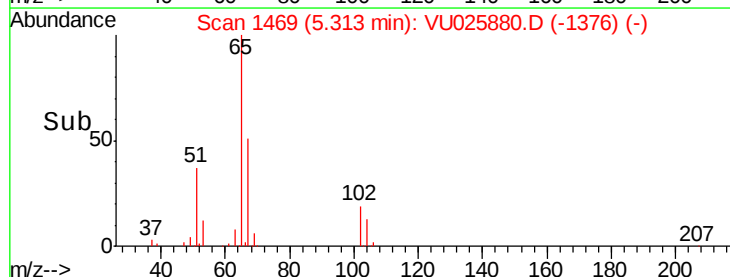
65 100

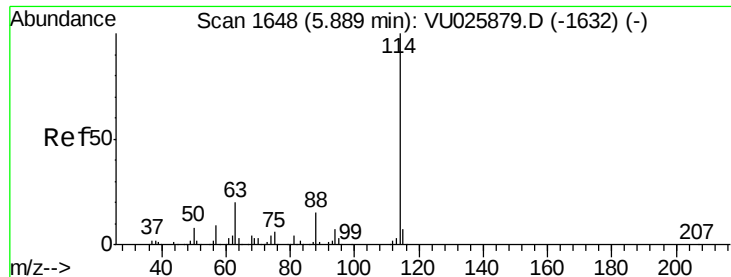
67 51.1 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

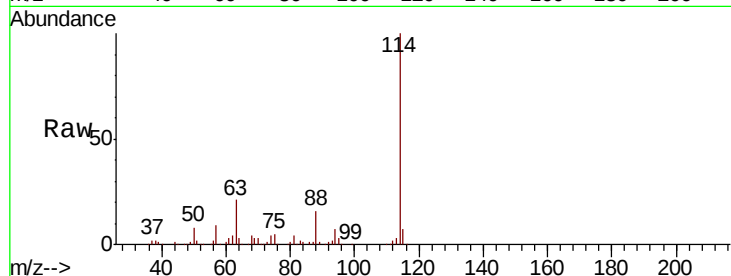




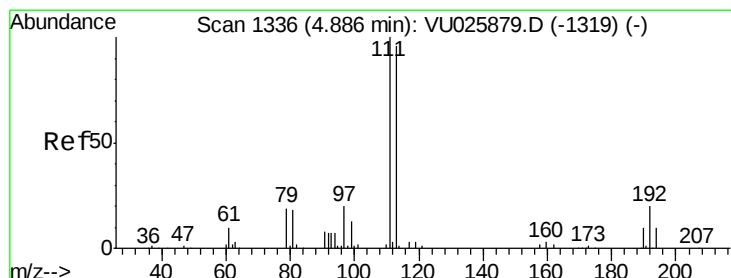
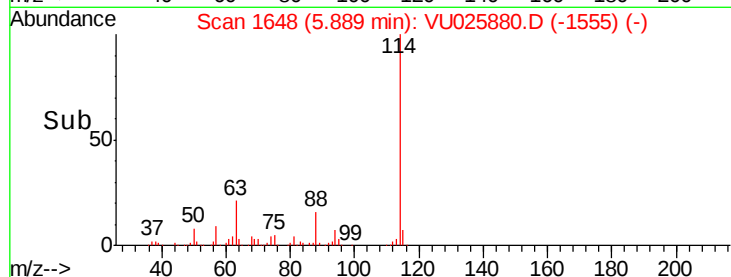
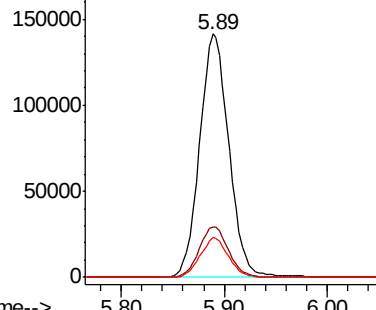
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025880.D
 Acq: 06 Aug 2018 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBL01

Tgt Ion:	114	Resp:	279630
Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.6
88	16.3	0.0	32.4

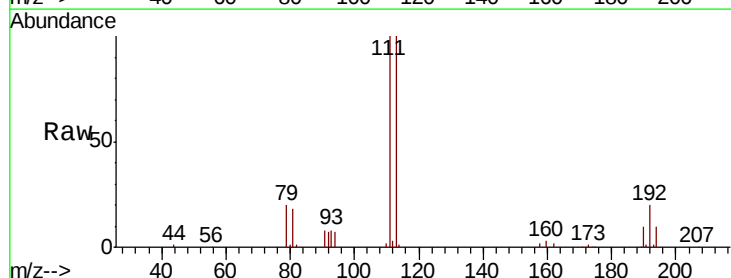


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

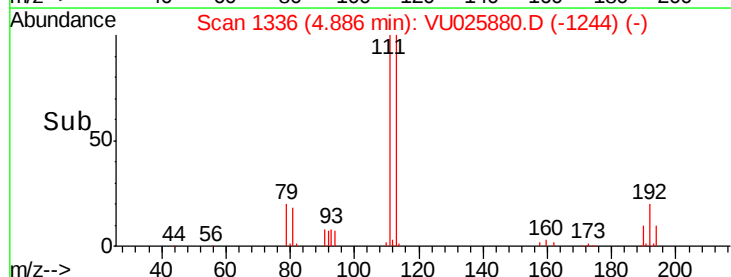
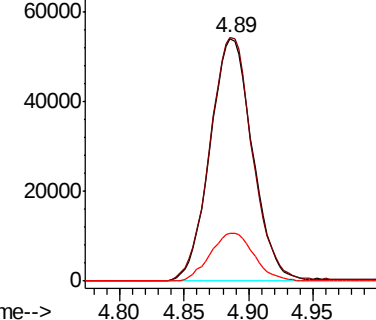


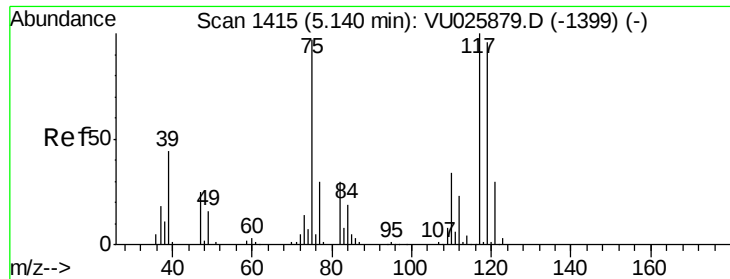
#35
 Dibromofluoromethane
 Concen: 50.935 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025880.D
 Acq: 06 Aug 2018 12:59

Tgt Ion:	113	Resp:	123878
Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.7	122.5
192	20.4	17.1	25.7



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: 4.164 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025880.D

Acq: 06 Aug 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBL01

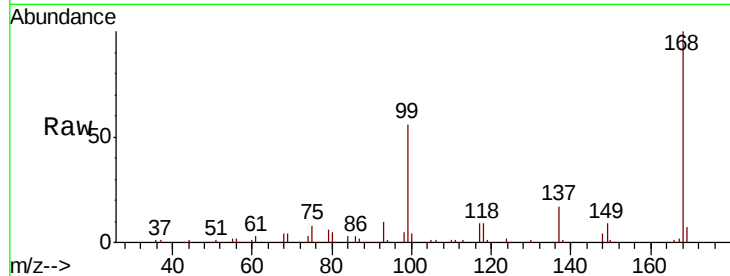
Tgt Ion: 75 Resp: 13607

Ion Ratio Lower Upper

75 100

110 8.9 17.6 52.9#

77 0.1 24.4 36.6#

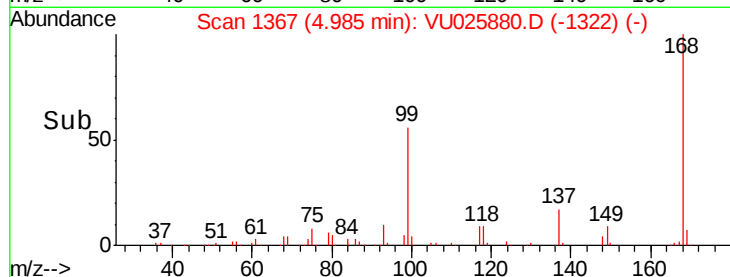


Abundance Ion 74.90 (74.60 to 75.60): VU025879.D (-1399) (-)

Ion 109.90 (109.60 to 110.60): VU025879.D (-1399) (-)

Ion 76.90 (76.60 to 77.60): VU025879.D (-1399) (-)

Time-->



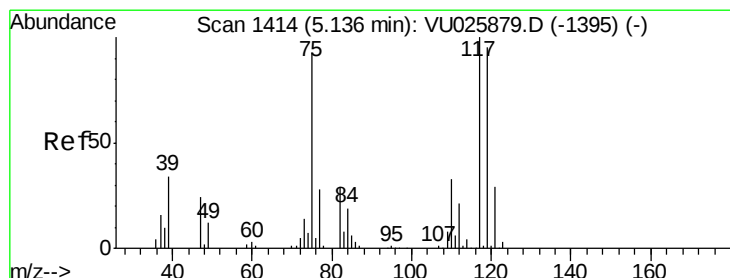
Abundance

Ion 74.90 (74.60 to 75.60): VU025879.D (-1399) (-)

Ion 109.90 (109.60 to 110.60): VU025879.D (-1399) (-)

Ion 76.90 (76.60 to 77.60): VU025879.D (-1399) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.503 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025880.D

Acq: 06 Aug 2018 12:59

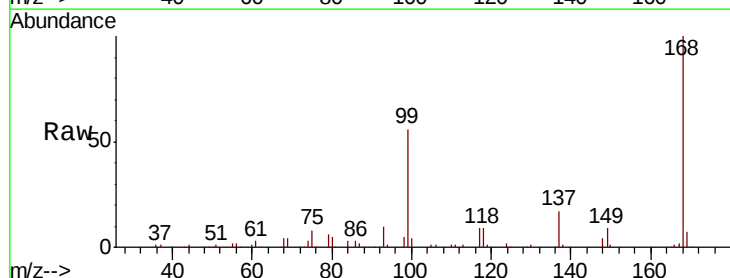
Tgt Ion: 117 Resp: 16667

Ion Ratio Lower Upper

117 100

119 5.7 75.7 113.5#

121 0.0 24.6 36.8#

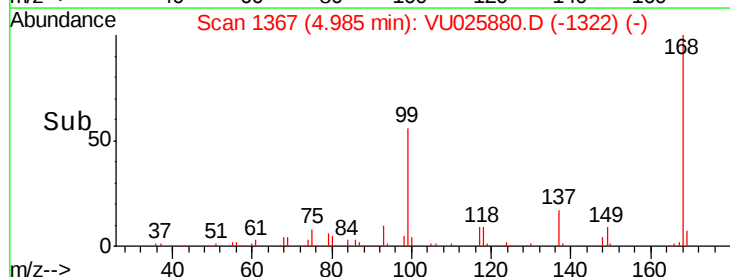


Abundance Ion 116.80 (116.50 to 117.50): VU025879.D (-1395) (-)

Ion 118.80 (118.50 to 119.50): VU025879.D (-1395) (-)

Ion 120.80 (120.50 to 121.50): VU025879.D (-1395) (-)

Time-->



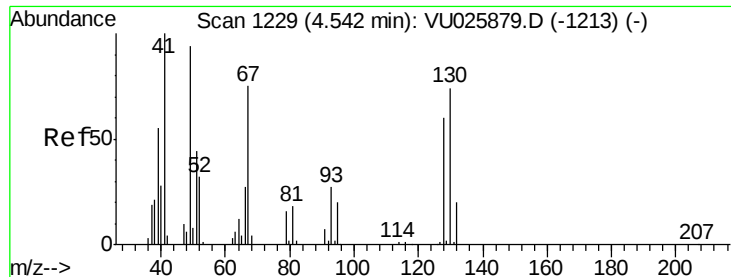
Abundance

Ion 116.80 (116.50 to 117.50): VU025879.D (-1395) (-)

Ion 118.80 (118.50 to 119.50): VU025879.D (-1395) (-)

Ion 120.80 (120.50 to 121.50): VU025879.D (-1395) (-)

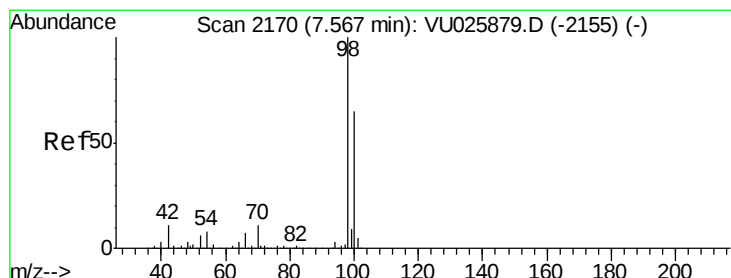
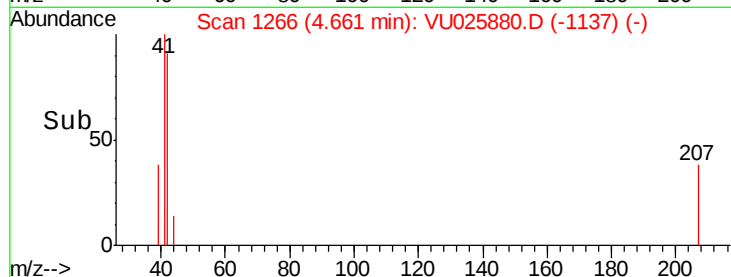
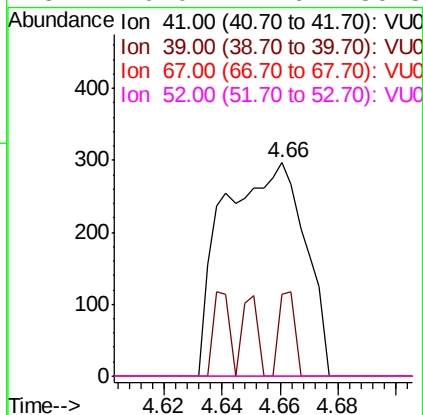
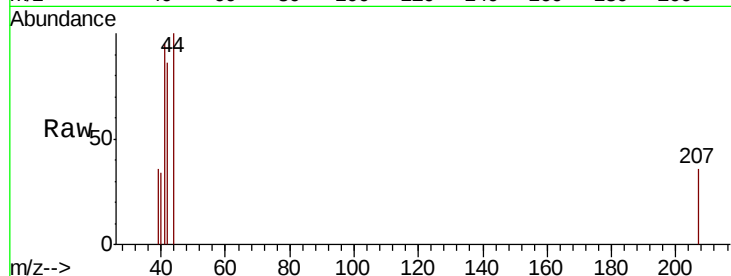
Time-->



#41
Methacrylonitrile
Concen: 0.307 ug/l
RT: 4.66 min Scan# 1266
Delta R.T. 0.12 min
Lab File: VU025880.D
Acq: 06 Aug 2018 12:59

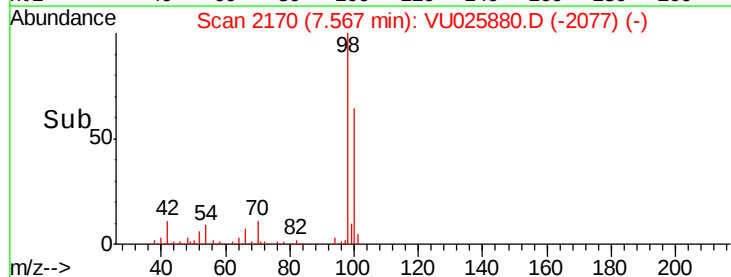
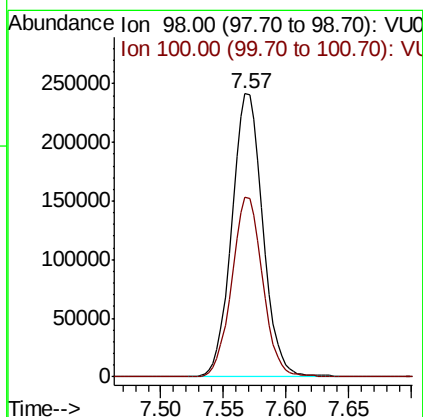
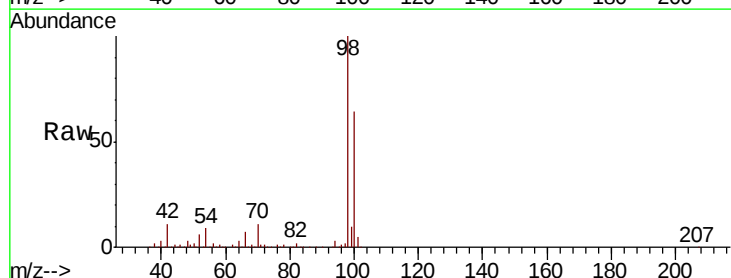
Instrument :
MSVOA_U
ClientSampleId :
VU0806WBL01

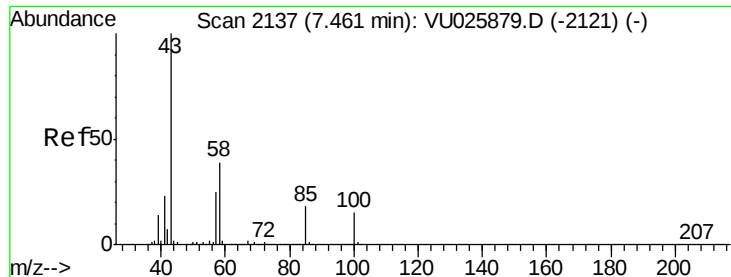
Tgt Ion:	41	Resp:	577
Ion	Ratio	Lower	Upper
41	100		
39	7.8	44.4	66.6#
67	0.0	56.0	84.0#
52	0.0	24.6	36.8#



#50
Toluene-d8
Concen: 48.793 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025880.D
Acq: 06 Aug 2018 12:59

Tgt Ion:	98	Resp:	415260
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7

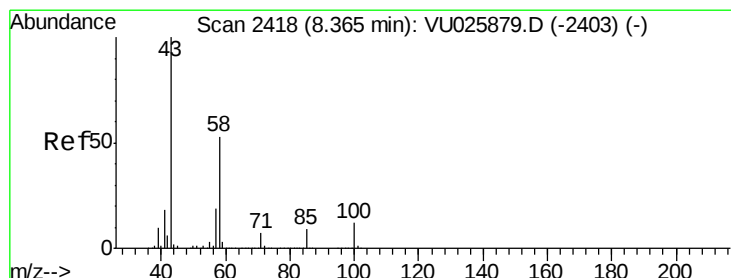
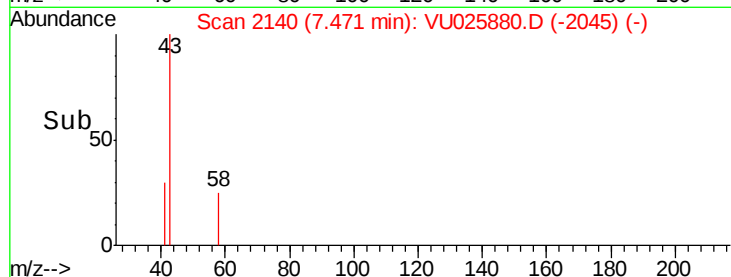
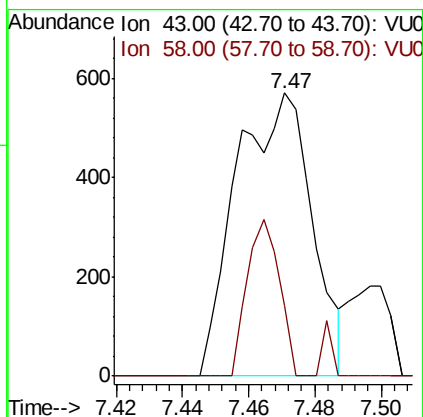
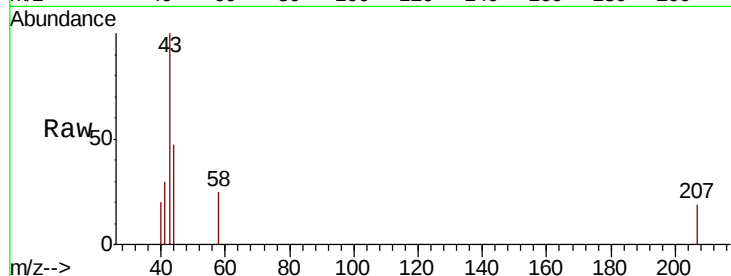




#51
 4-Methyl-2-Pentanone
 Concen: 0.258 ug/l
 RT: 7.47 min Scan# 2140
 Delta R.T. 0.01 min
 Lab File: VU025880.D
 Acq: 06 Aug 2018 12:59

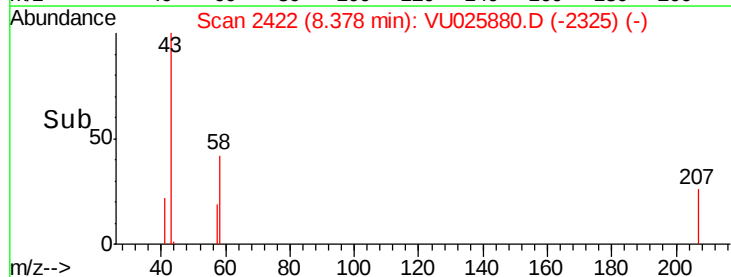
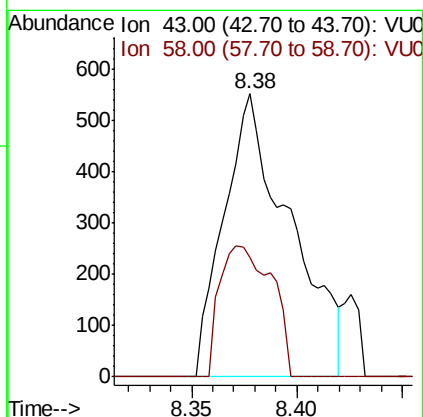
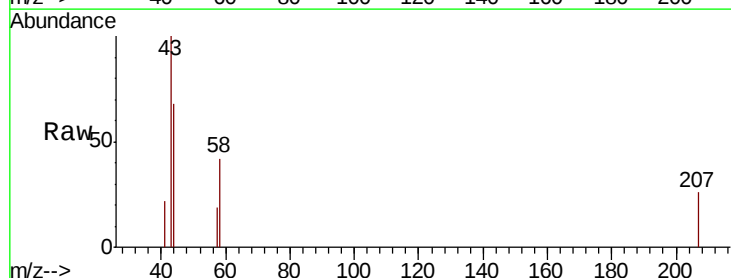
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBL01

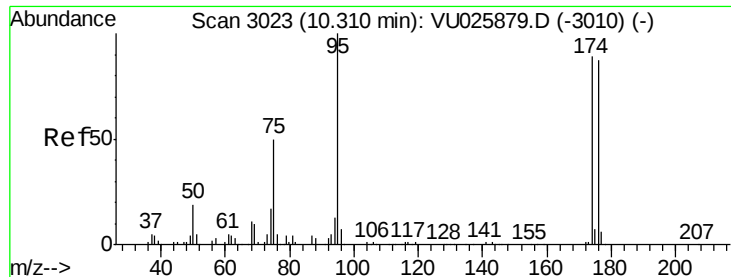
Tgt Ion: 43 Resp: 906
 Ion Ratio Lower Upper
 43 100
 58 23.6 31.0 46.4#



#59
 2-Hexanone
 Concen: 0.437 ug/l
 RT: 8.38 min Scan# 2422
 Delta R.T. 0.01 min
 Lab File: VU025880.D
 Acq: 06 Aug 2018 12:59

Tgt Ion: 43 Resp: 1200
 Ion Ratio Lower Upper
 43 100
 58 36.4 26.2 78.5





#62

4-Bromofluorobenzene

Concen: 43.026 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025880.D

Acq: 06 Aug 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBL01

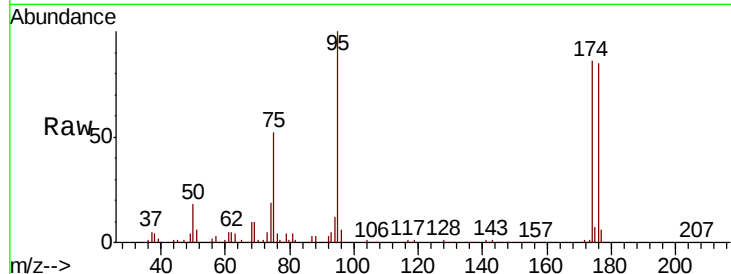
Tgt Ion: 95 Resp: 142129

Ion Ratio Lower Upper

95 100

174 89.6 0.0 172.2

176 85.7 0.0 162.6

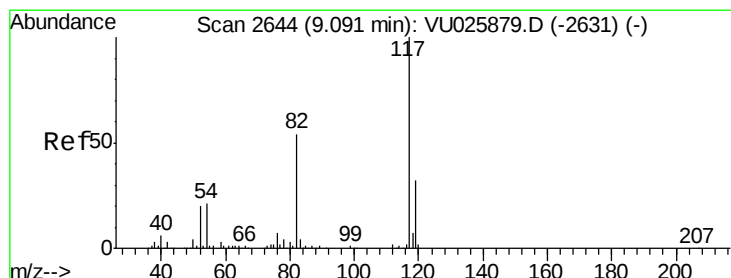
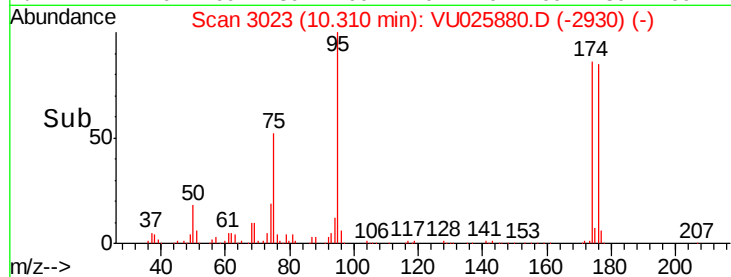
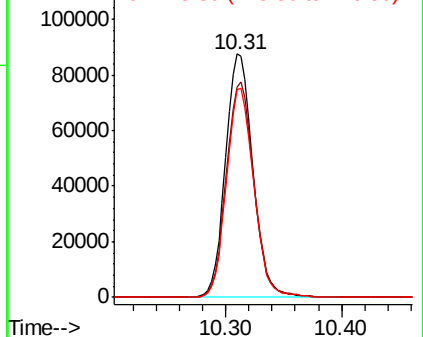


Abundance

Ion 94.90 (94.60 to 95.60): VU025879.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025879.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025879.D (-3010) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VU025880.D

Acq: 06 Aug 2018 12:59

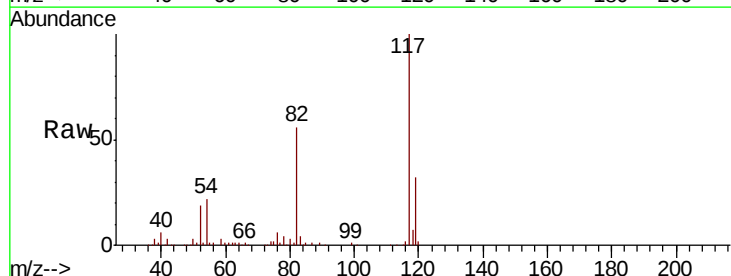
Tgt Ion: 117 Resp: 267447

Ion Ratio Lower Upper

117 100

82 55.9 46.0 69.0

119 32.0 26.0 39.0

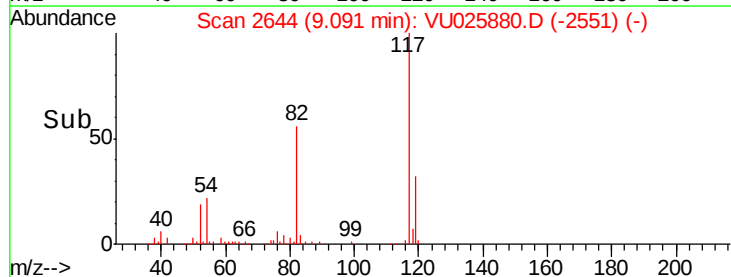
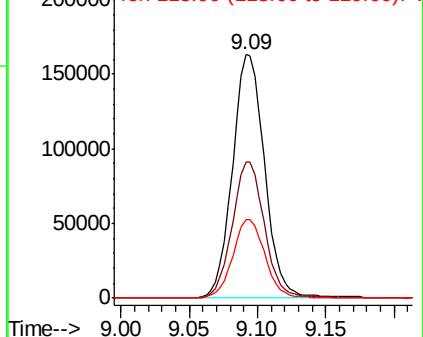


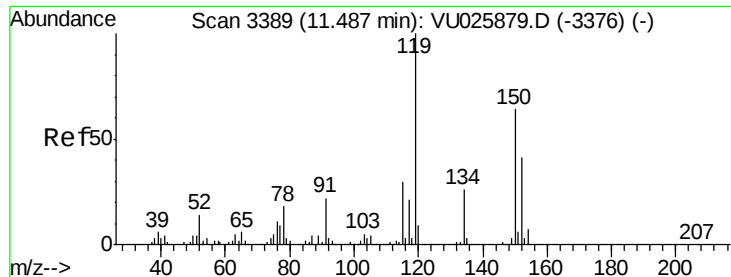
Abundance

Ion 116.90 (116.60 to 117.60): VU025879.D (-2631) (-)

Ion 82.00 (81.70 to 82.70): VU025879.D (-2631) (-)

Ion 118.90 (118.60 to 119.60): VU025879.D (-2631) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025880.D

Acq: 06 Aug 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBL01

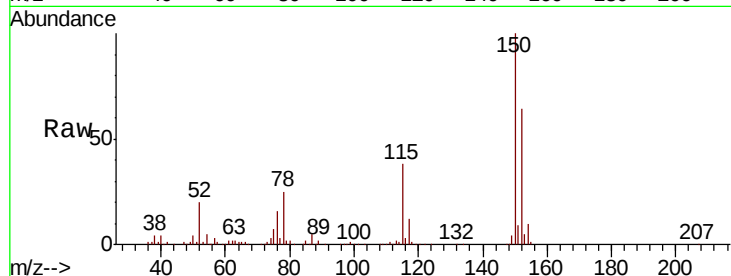
Tgt Ion:152 Resp: 139575

Ion Ratio Lower Upper

152 100

115 57.2 40.1 120.3

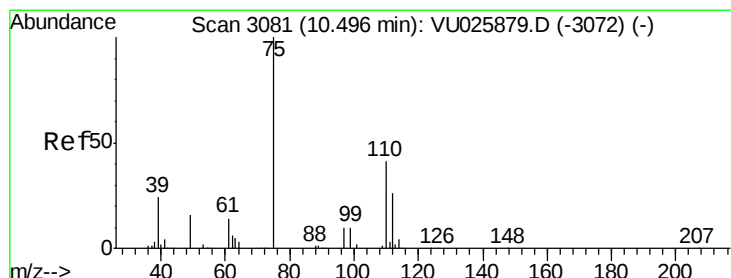
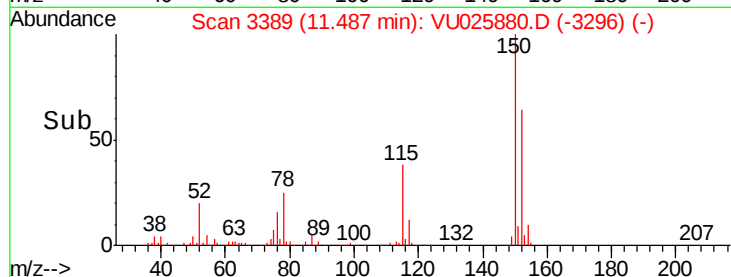
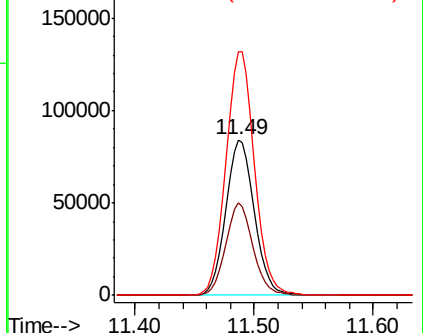
150 156.9 0.0 351.4



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: 24.177 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025880.D

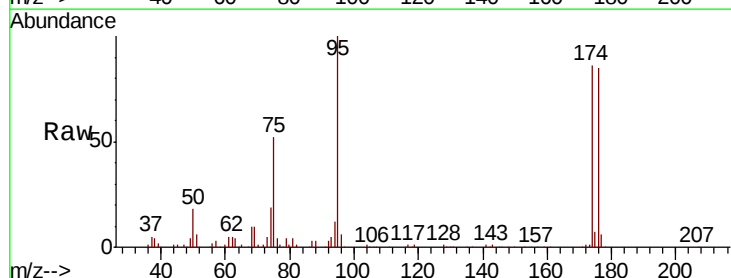
Acq: 06 Aug 2018 12:59

Tgt Ion: 75 Resp: 74350

Ion Ratio Lower Upper

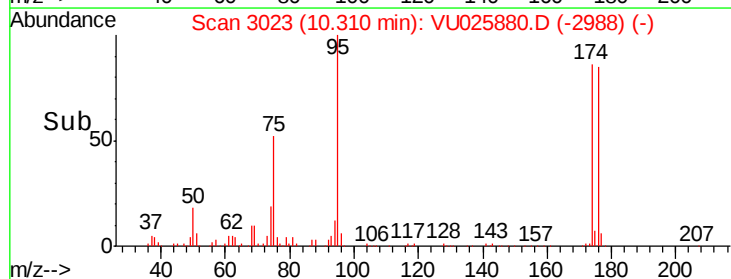
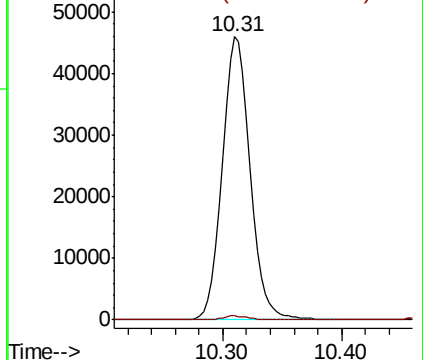
75 100

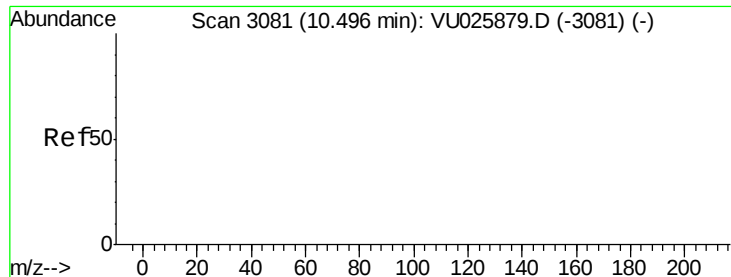
77 1.2 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

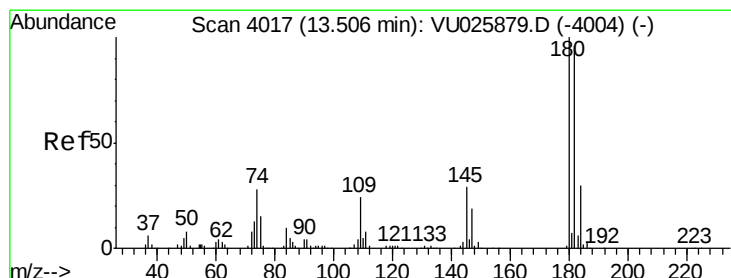
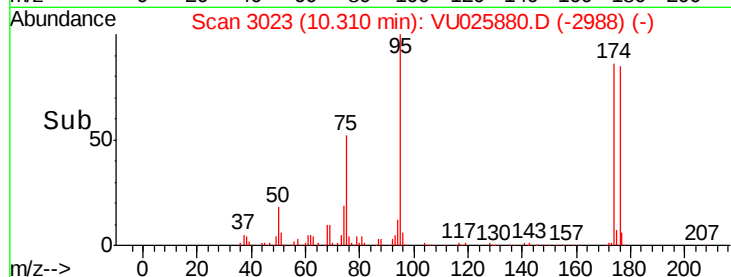
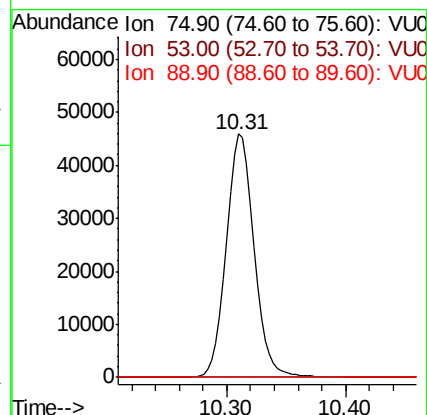
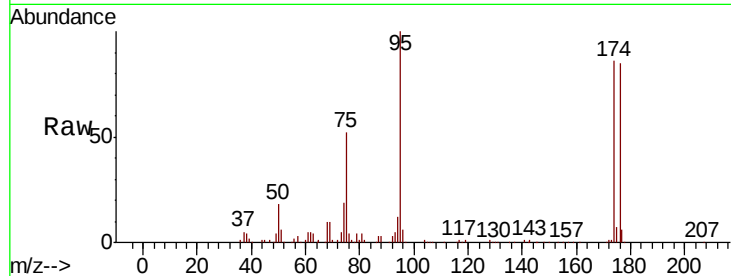




#81
trans-1,4-Dichloro-2-butene
Concen: 60.623 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.19 min
Lab File: VU025880.D
Acq: 06 Aug 2018 12:59

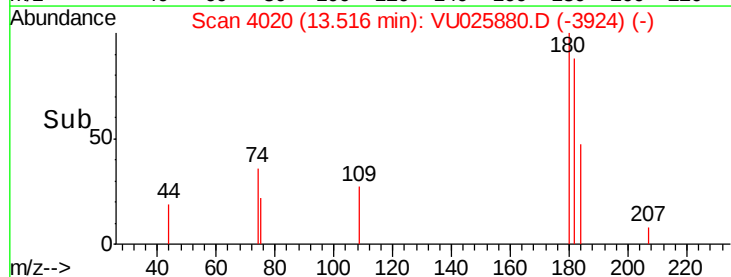
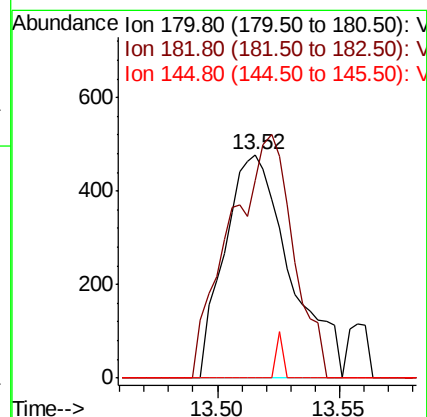
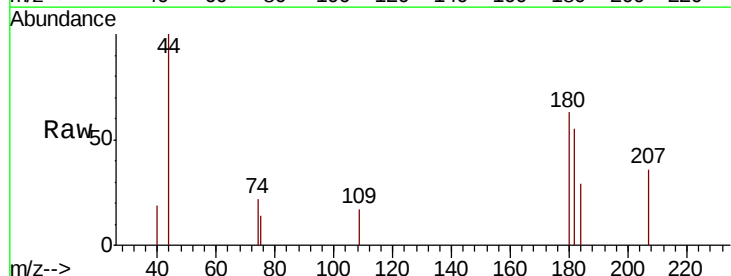
Instrument :
MSVOA_U
ClientSampleId :
VU0806WBL01

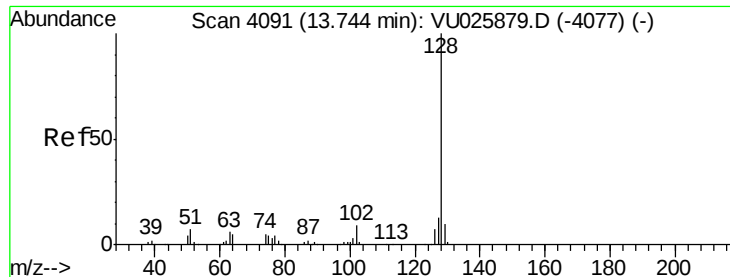
Tgt Ion: 75 Resp: 74350
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#93
1,2,4-Trichlorobenzene
Concen: 0.275 ug/l
RT: 13.52 min Scan# 4020
Delta R.T. 0.01 min
Lab File: VU025880.D
Acq: 06 Aug 2018 12:59

Tgt Ion: 180 Resp: 886
Ion Ratio Lower Upper
180 100
182 105.3 47.3 141.9
145 2.1 14.9 44.7#





#95

Naphthalene

Concen: 1.665 ug/l

RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

Lab File: VU025880.D

Acq: 06 Aug 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0806WBL01

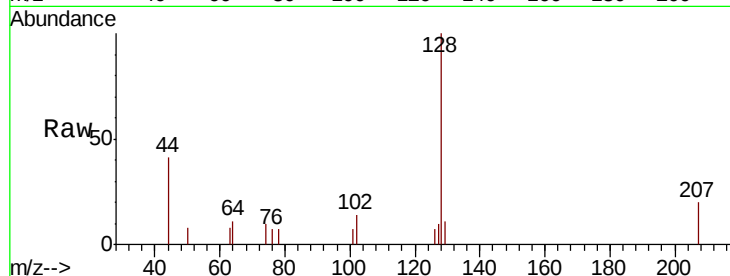
Tgt Ion:128 Resp: 4406

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

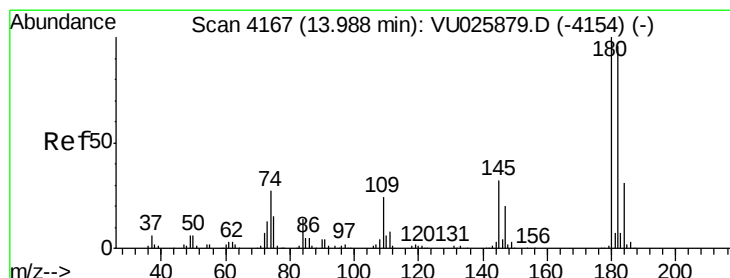
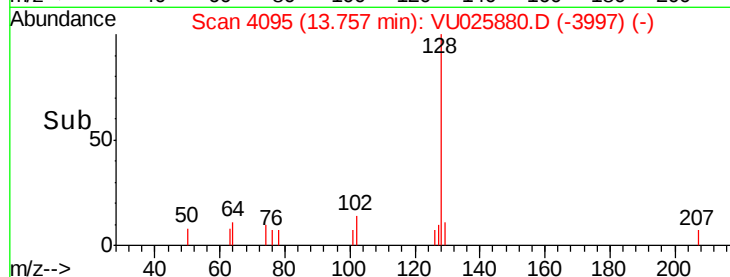
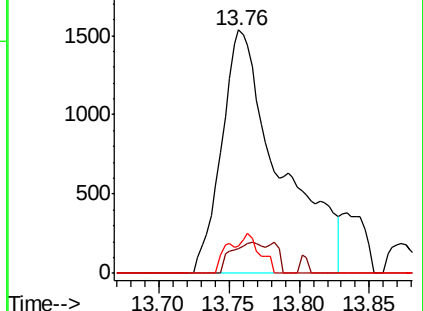
129 2.8 8.3 12.5#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.457 ug/l

RT: 14.00 min Scan# 4170

Delta R.T. 0.01 min

Lab File: VU025880.D

Acq: 06 Aug 2018 12:59

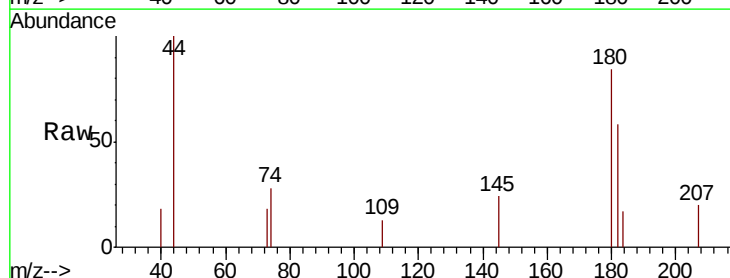
Tgt Ion:180 Resp: 1472

Ion Ratio Lower Upper

180 100

182 69.8 47.8 143.3

145 23.2 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

