

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025779.D
 Acq On : 01 Aug 2018 16:18
 Operator : MD/SY
 Sample : J4262-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03

Quant Time: Aug 02 04:46:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	202737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	323478	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	318258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	198156	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	153468	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	4.89	113	132769	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
50) Toluene-d8	7.57	98	468875	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
62) 4-Bromofluorobenzene	10.31	95	185703	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	

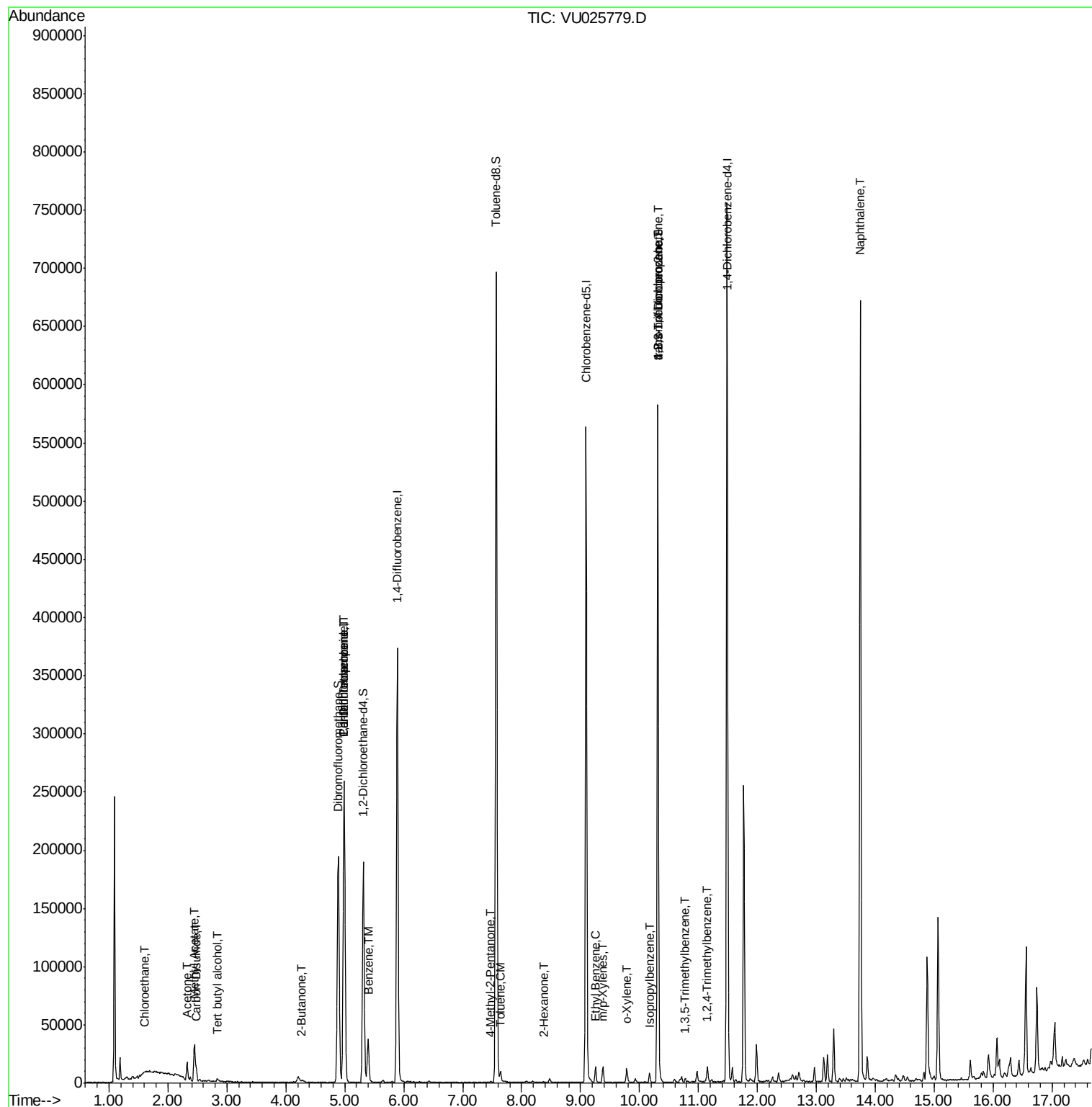
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.60	64	8368	5.19	ug/l #	55
11) Tert butyl alcohol	2.83	59	1441	2.08	ug/l #	73
13) Acrolein	2.17	56	40	Below Cal	#	1
16) Acetone	2.32	43	16138	10.48	ug/l	94
17) Carbon Disulfide	2.48	76	13657	1.94	ug/l	100
18) Methyl Acetate	2.45	43	7244	1.95	ug/l #	52
25) 2-Butanone	4.27	43	1190	0.57	ug/l #	89
31) Cyclohexane	4.99	56	3749	Below Cal	#	22
36) 1,1-Dichloropropene	4.99	75	14583	3.86	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19093	4.46	ug/l #	16
40) Benzene	5.40	78	35750	3.24	ug/l	99
51) 4-Methyl-2-Pentanone	7.47	43	851	0.21	ug/l #	60
52) Toluene	7.64	92	3326	0.48	ug/l	95
59) 2-Hexanone	8.37	43	743	0.23	ug/l #	60
67) Ethyl Benzene	9.26	91	10009	0.74	ug/l	94
68) m/p-Xylenes	9.38	106	4160	0.80	ug/l	99
69) o-Xylene	9.78	106	3426	0.67	ug/l	95
73) Isopropylbenzene	10.17	105	5445	0.40	ug/l	100
76) 1,2,3-Trichloropropane	10.31	75	93120	21.33	ug/l #	36
80) 1,3,5-Trimethylbenzene	10.77	105	2357	0.21	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.31	75	93120	53.48	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	6780	0.58	ug/l	100
95) Naphthalene	13.74	128	532373	36.53	ug/l	99

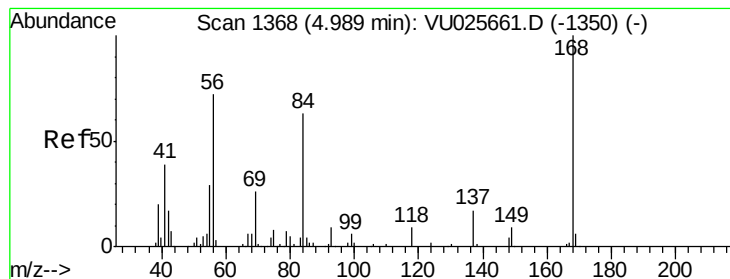
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 31 16:07:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025779.D

Acq: 01 Aug 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

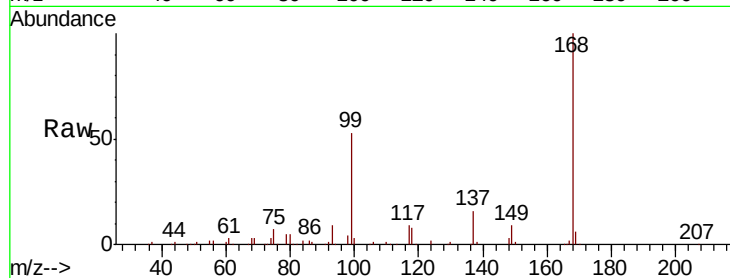
GW-03

Tot Ion:168 Resp: 202737

Ion Ratio Lower Upper

168 100

99 53.2 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

4.99

100000

80000

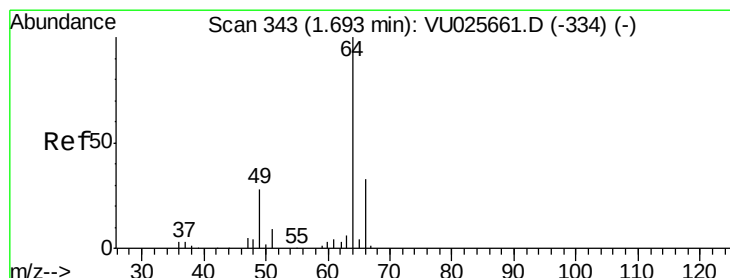
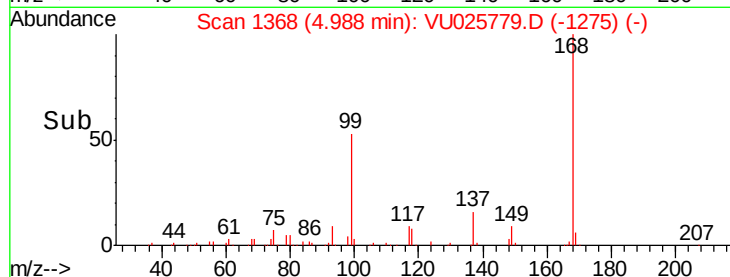
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 5.19 ug/l

RT: 1.60 min Scan# 313

Delta R.T. -0.10 min

Lab File: VU025779.D

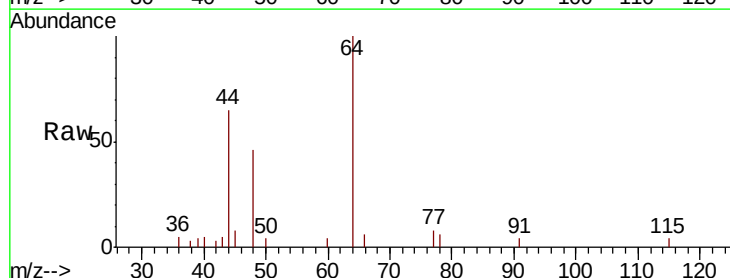
Acq: 01 Aug 2018 16:18

Tgt Ion: 64 Resp: 8368

Ion Ratio Lower Upper

64 100

66 6.3 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU025661.D (-334) (-)

Ion 65.90 (65.60 to 66.60): VU025661.D (-334) (-)

1.60

4000

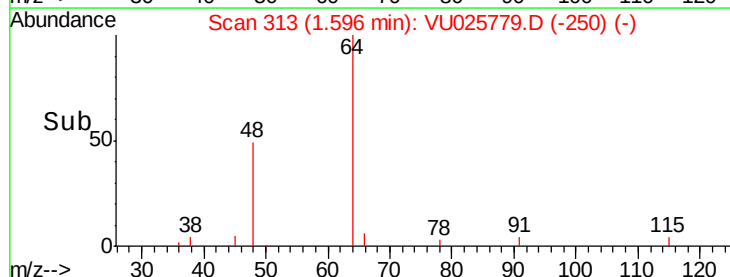
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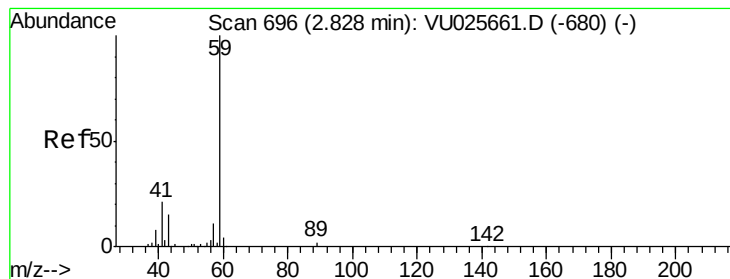
2000

1000

0

Time-->



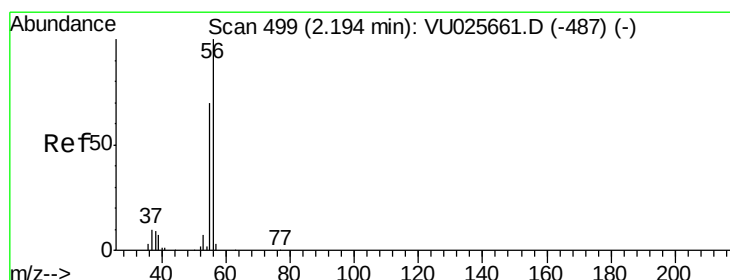
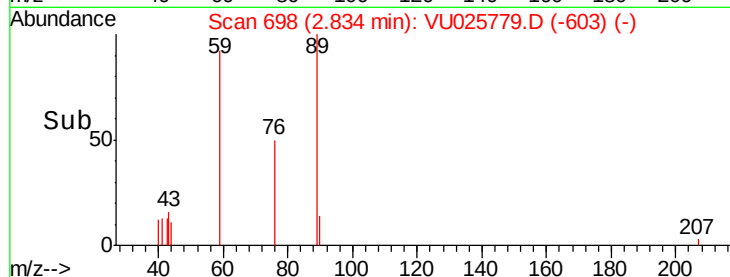
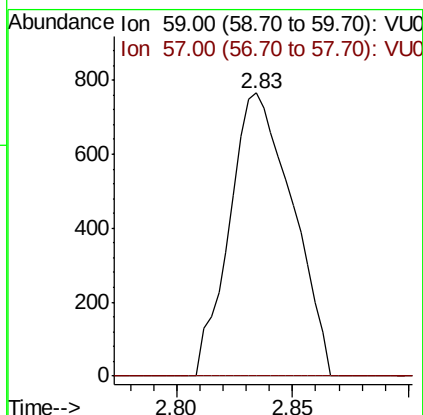
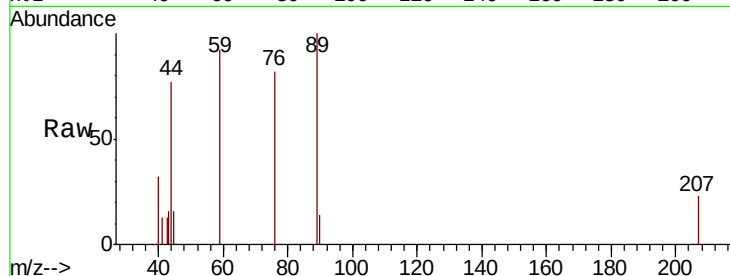


#11

Tert butyl alcohol
 Concen: 2.08 ug/l
 RT: 2.83 min Scan# 698
 Delta R.T. 0.01 min
 Lab File: VU025779.D
 Acq: 01 Aug 2018 16:18

Instrument :
 MSVOA_U
 ClientSampled :
 GW-03

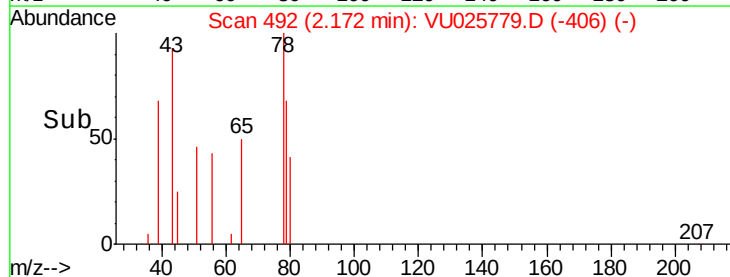
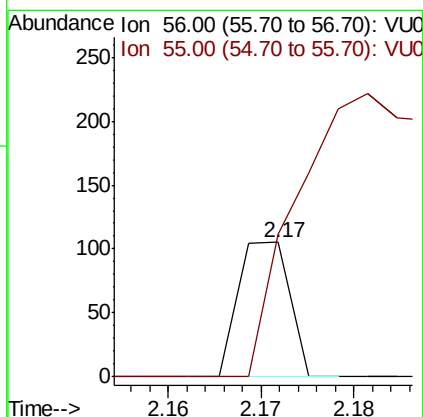
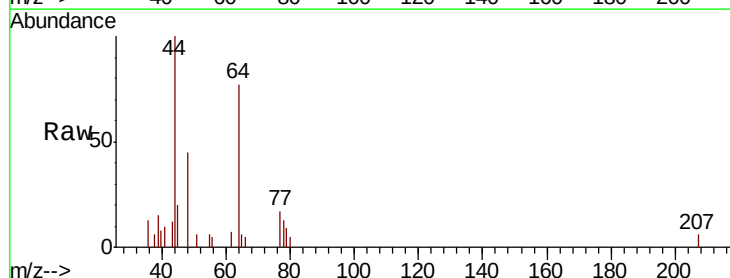
Tot Ion: 59 Resp: 1441
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

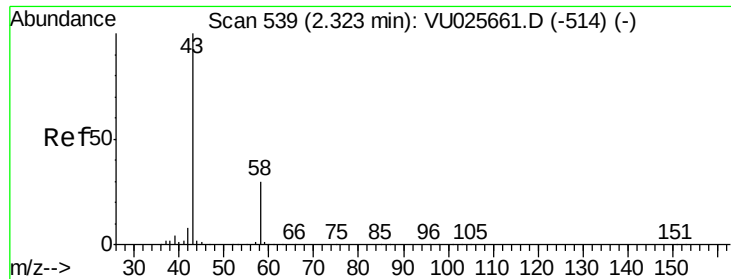


#13

Acrolein
 Concen: Below Cal
 RT: 2.17 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VU025779.D
 Acq: 01 Aug 2018 16:18

Tgt Ion: 56 Resp: 40
 Ion Ratio Lower Upper
 56 100
 55 535.0 57.2 85.8#





#16

Acetone

Concen: 10.48 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025779.D

Acq: 01 Aug 2018 16:18

Instrument :

MSVOA_U

ClientSampled :

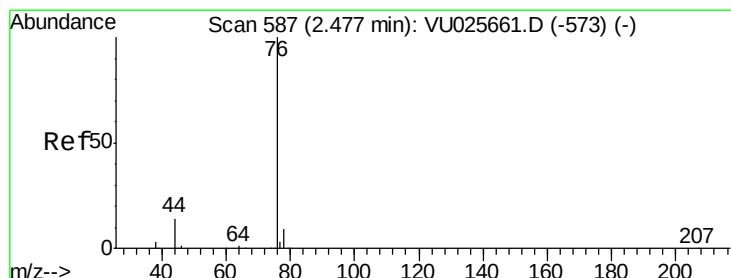
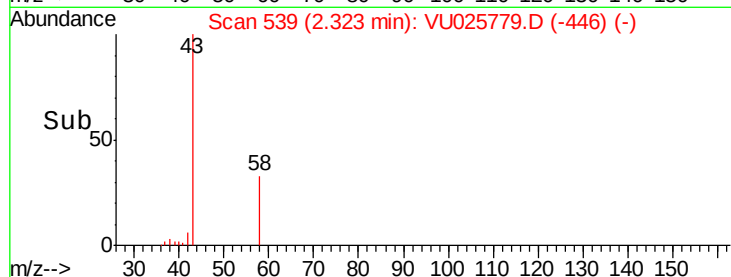
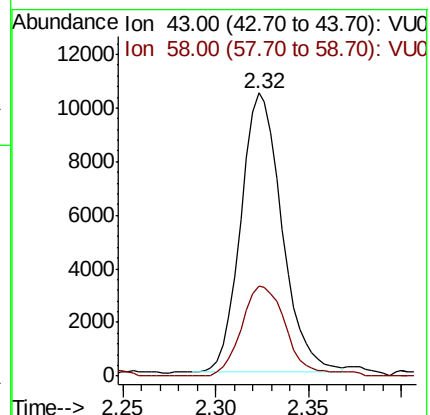
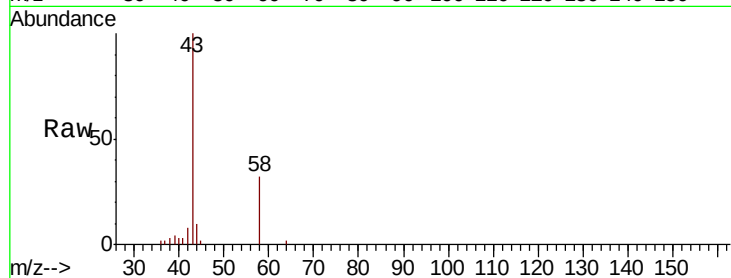
GW-03

Tot Ion: 43 Resp: 16138

Ion Ratio Lower Upper

43 100

58 32.3 23.1 34.7



#17

Carbon Disulfide

Concen: 1.94 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025779.D

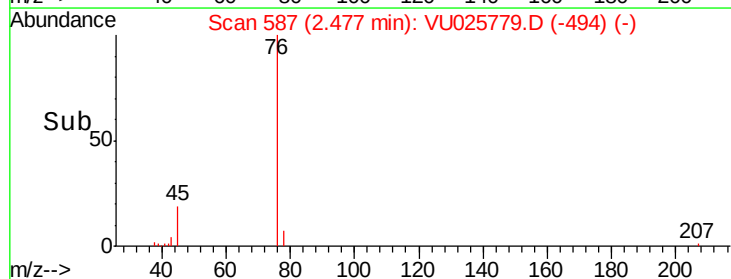
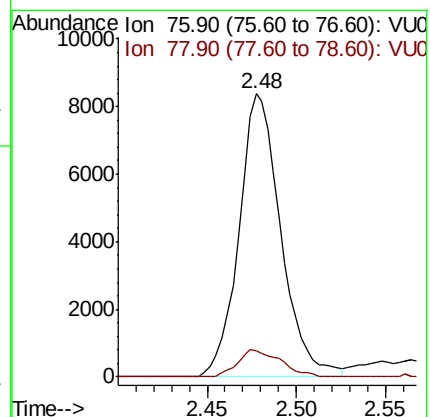
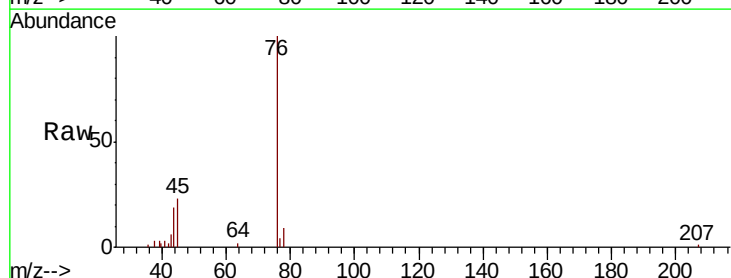
Acq: 01 Aug 2018 16:18

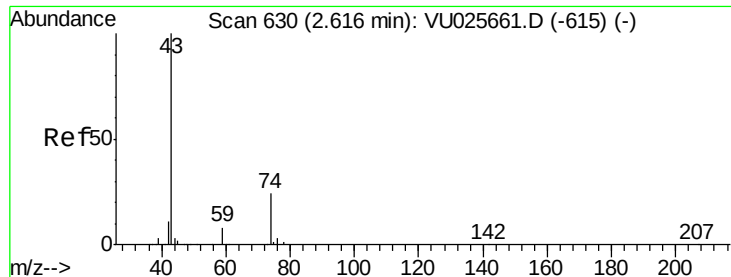
Tgt Ion: 76 Resp: 13657

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

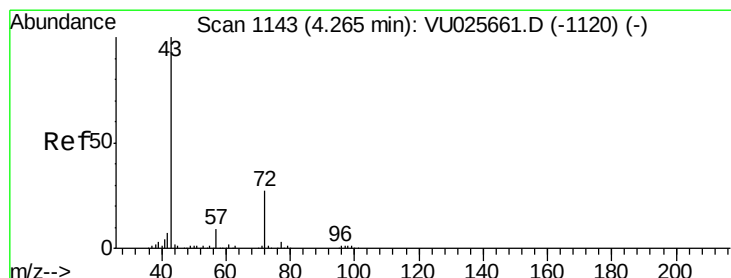
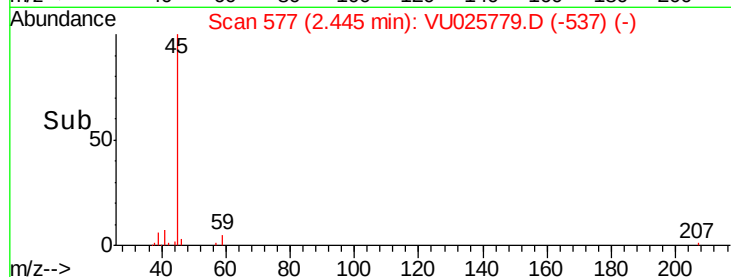
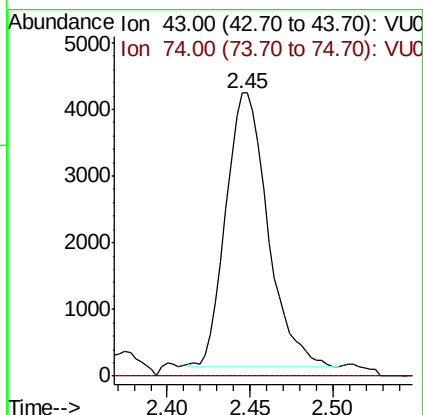
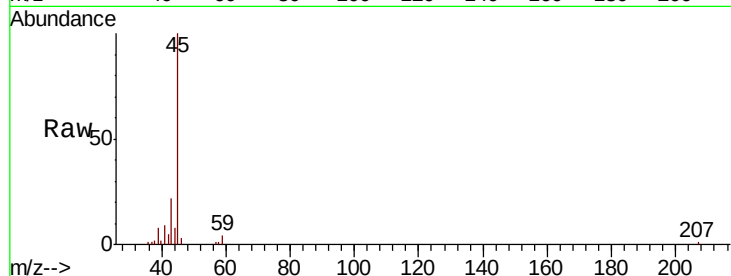




#18
Methyl Acetate
Concen: 1.95 ug/l
RT: 2.45 min Scan# 577
Delta R.T. -0.17 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

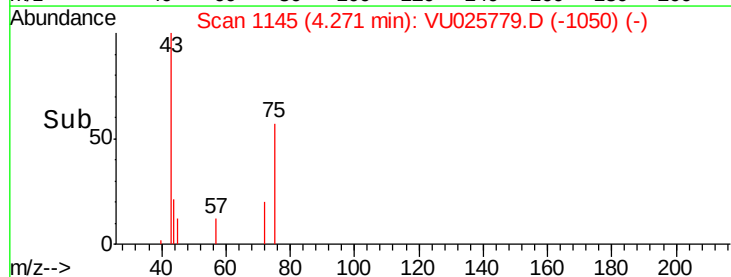
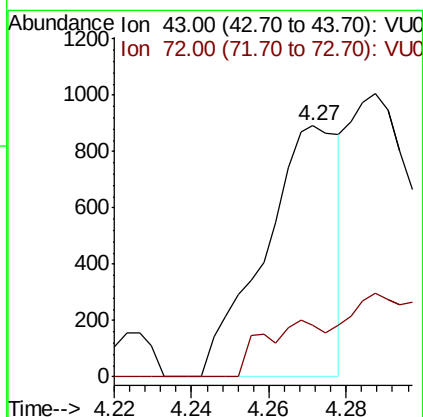
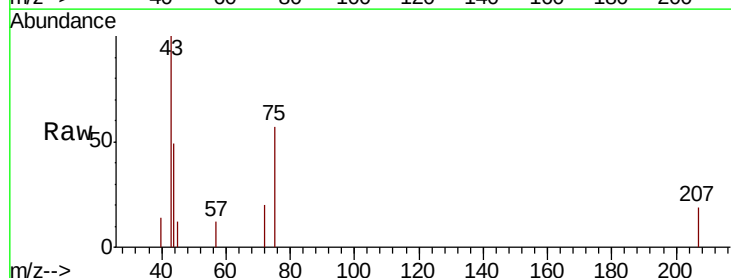
Instrument :
MSVOA_U
ClientSampleId :
GW-03

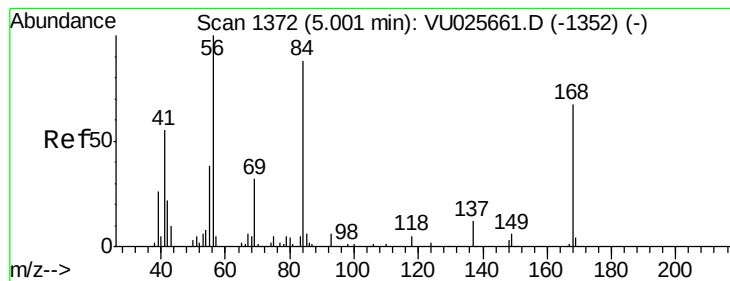
Tot Ion: 43 Resp: 7244
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



#25
2-Butanone
Concen: 0.57 ug/l
RT: 4.27 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

Tgt Ion: 43 Resp: 1190
Ion Ratio Lower Upper
43 100
72 20.4 21.0 31.4#





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VU025779.D

Acq: 01 Aug 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

GW-03

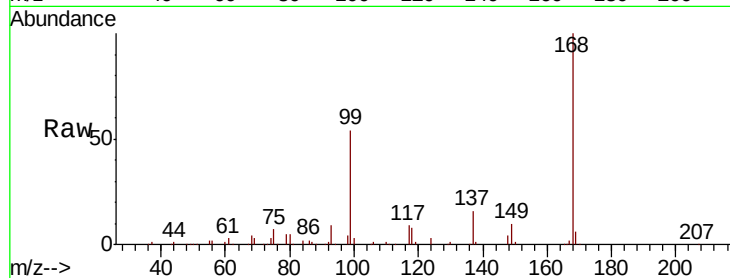
Tot Ion: 56 Resp: 3749

Ion Ratio Lower Upper

56 100

69 154.1 26.8 40.2#

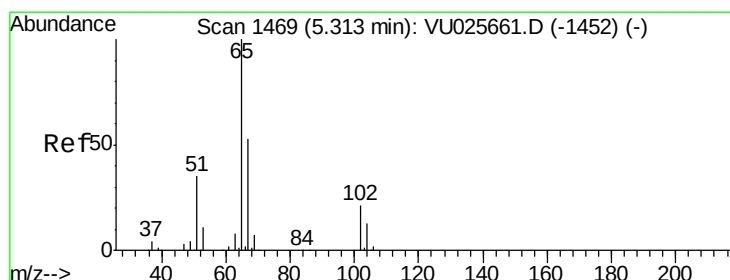
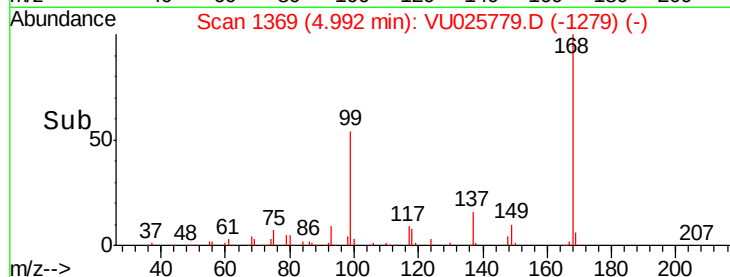
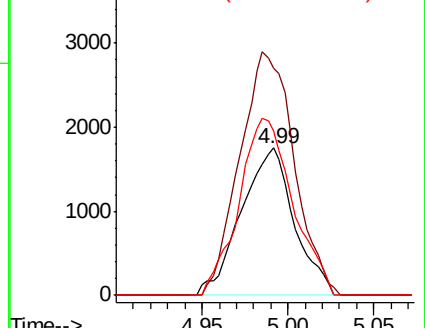
84 111.6 69.7 104.5#



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: 48.58 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025779.D

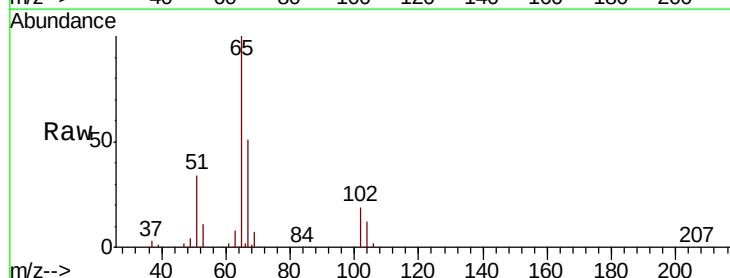
Acq: 01 Aug 2018 16:18

Tgt Ion: 65 Resp: 153468

Ion Ratio Lower Upper

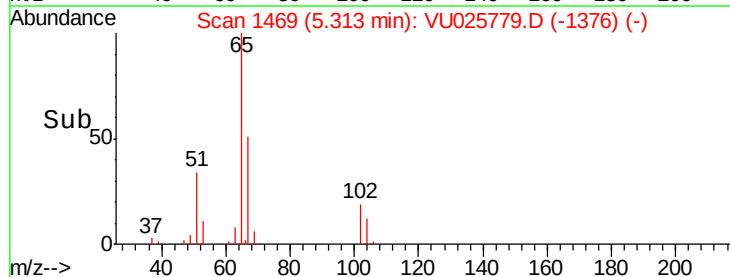
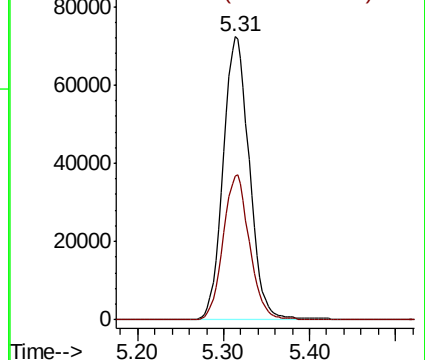
65 100

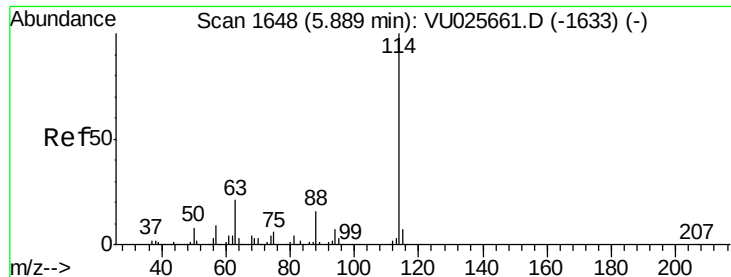
67 51.6 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

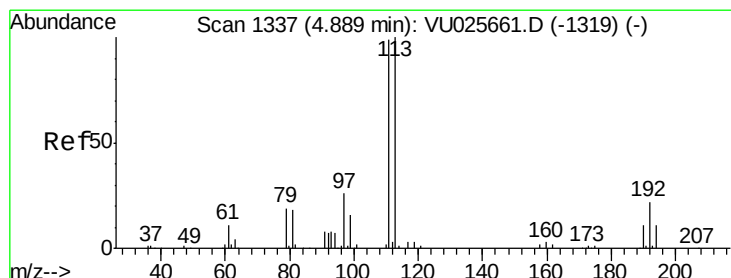
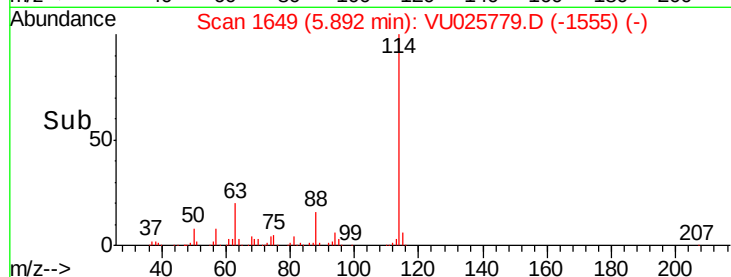
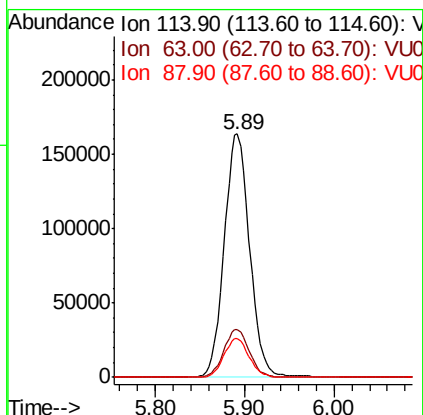
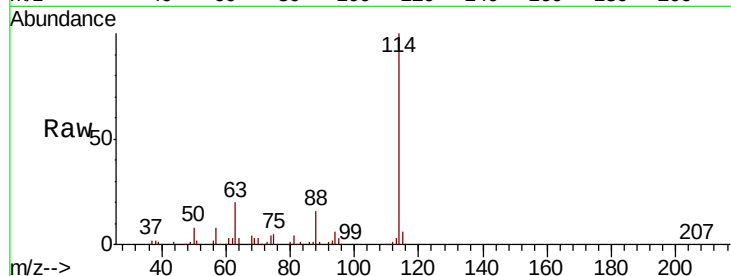




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025779.D
 Acq: 01 Aug 2018 16:18

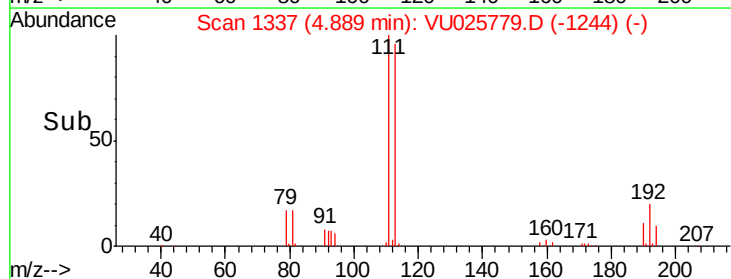
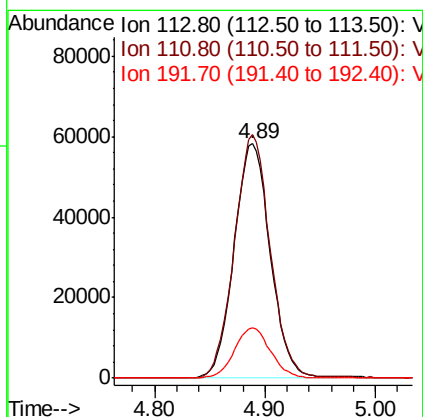
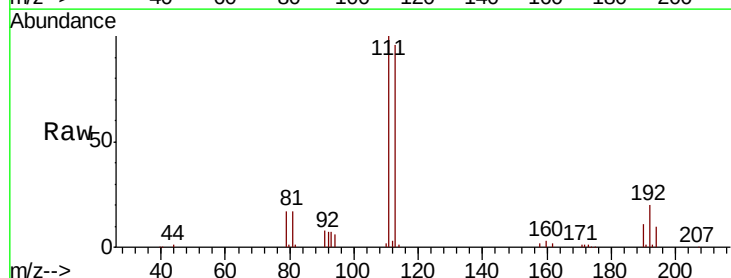
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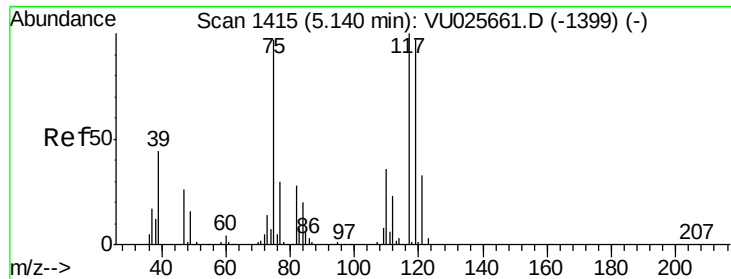
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.6
88	15.9	0.0	32.4



#35
 Dibromofluoromethane
 Concen: 47.19 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VU025779.D
 Acq: 01 Aug 2018 16:18

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.7	122.5
192	21.4	17.1	25.7





#36

1,1-Dichloropropene

Concen: 3.86 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025779.D

Acq: 01 Aug 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

GW-03

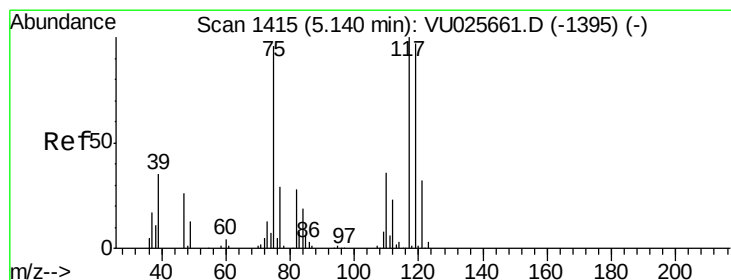
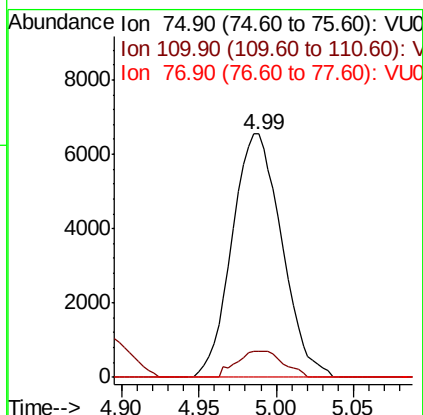
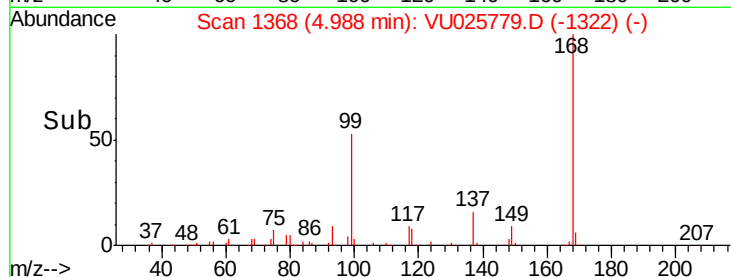
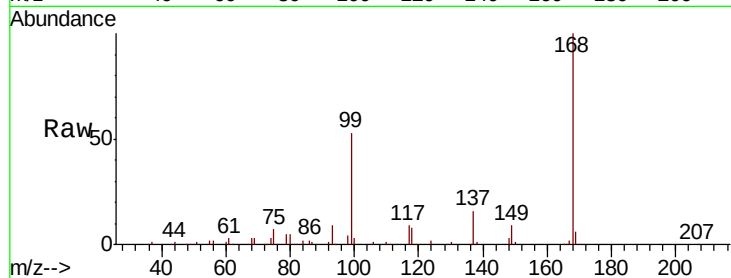
Tot Ion: 75 Resp: 14583

Ion Ratio Lower Upper

75 100

110 10.1 17.6 52.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.46 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025779.D

Acq: 01 Aug 2018 16:18

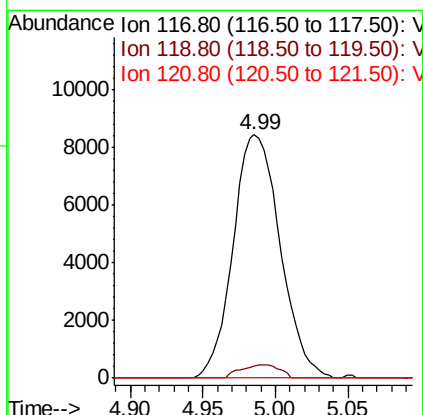
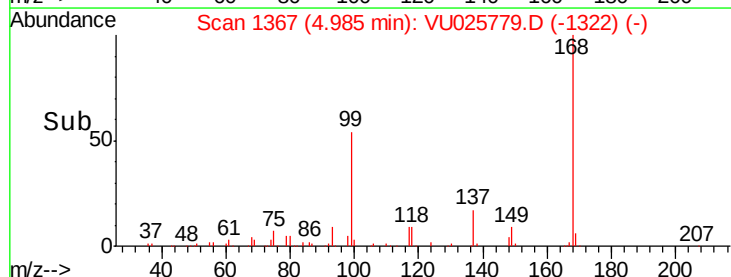
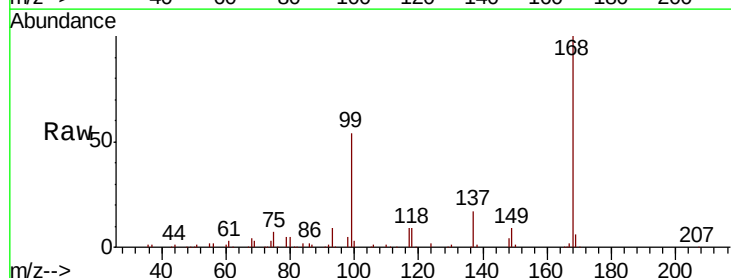
Tgt Ion: 117 Resp: 19093

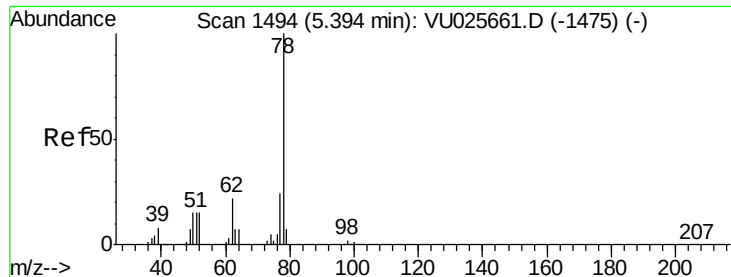
Ion Ratio Lower Upper

117 100

119 4.8 75.7 113.5#

121 0.0 24.6 36.8#





#40

Benzene

Concen: 3.24 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025779.D

Acq: 01 Aug 2018 16:18

Instrument :

MSVOA_U

ClientSampled :

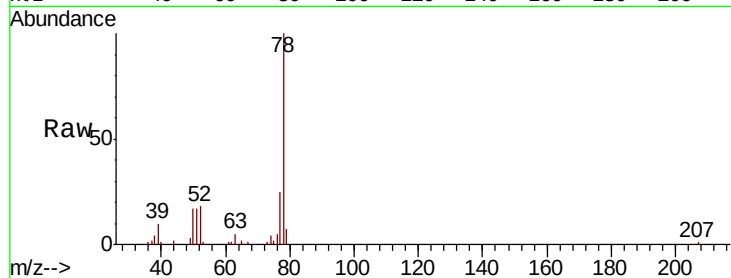
GW-03

Tot Ion: 78 Resp: 35750

Ion Ratio Lower Upper

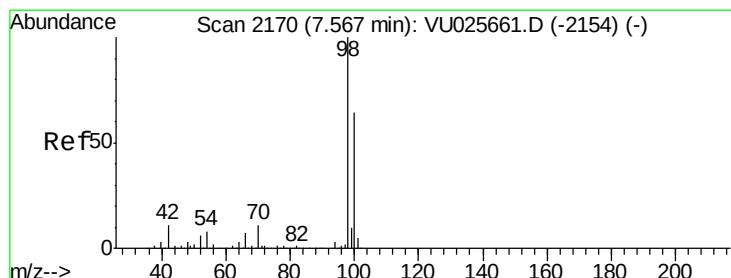
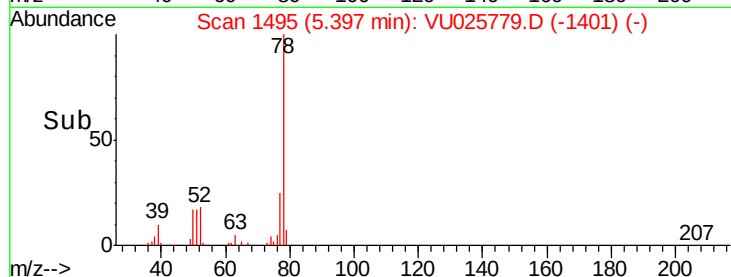
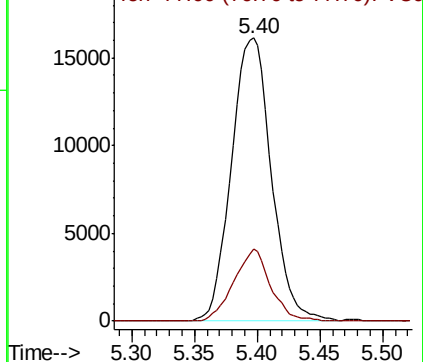
78 100

77 25.4 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 47.62 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025779.D

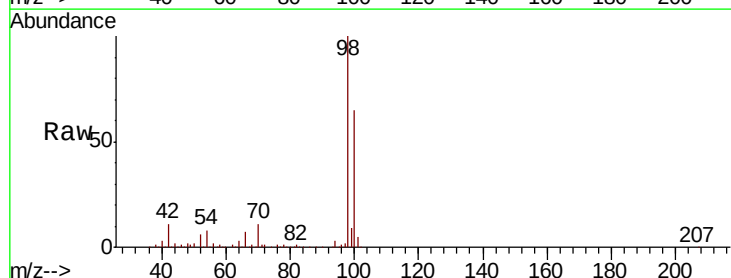
Acq: 01 Aug 2018 16:18

Tgt Ion: 98 Resp: 468875

Ion Ratio Lower Upper

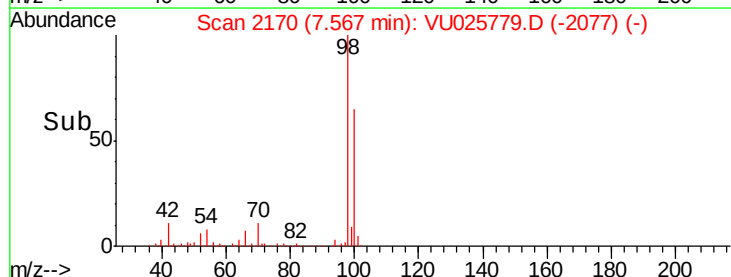
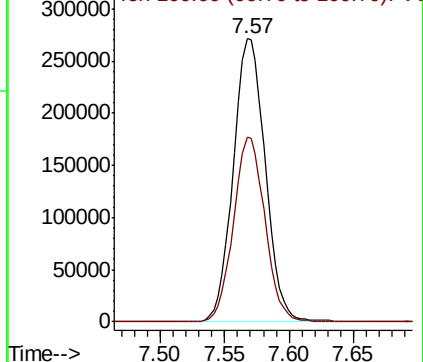
98 100

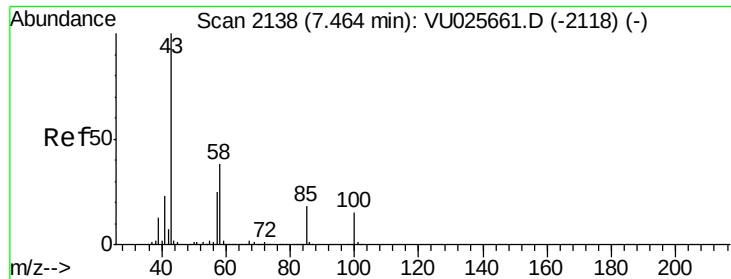
100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

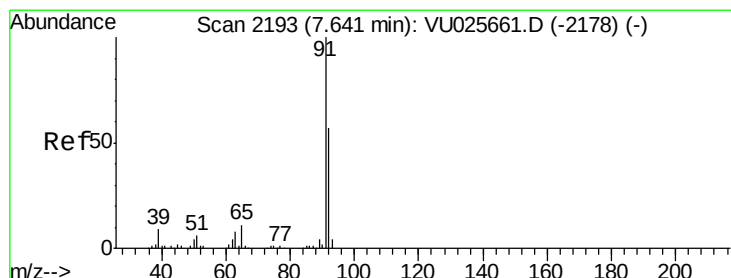
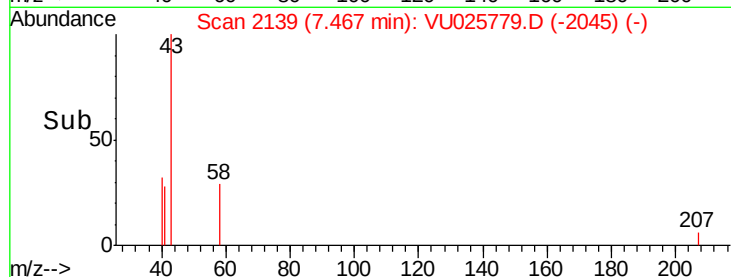
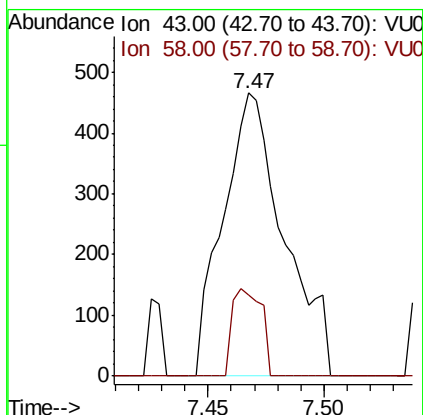
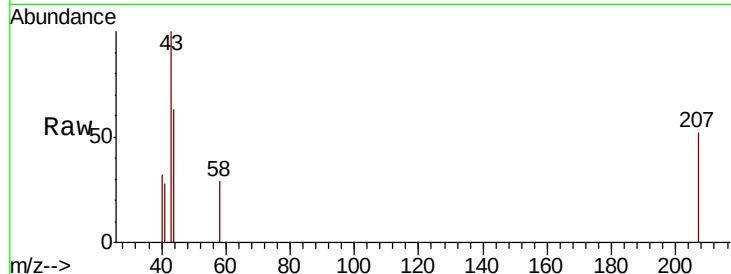




#51
 4-Methyl-2-Pentanone
 Concen: 0.21 ug/l
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU025779.D
 Acq: 01 Aug 2018 16:18

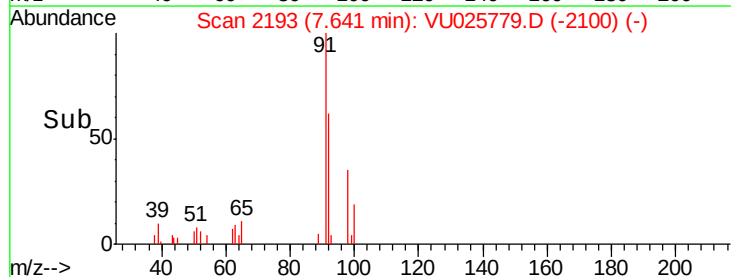
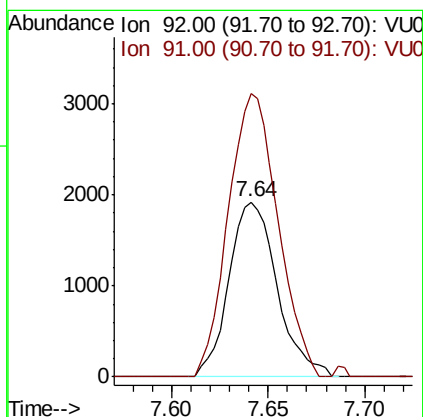
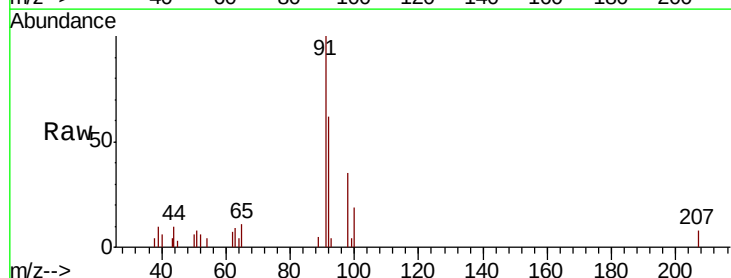
Instrument :
 MSVOA_U
 ClientSampled :
 GW-03

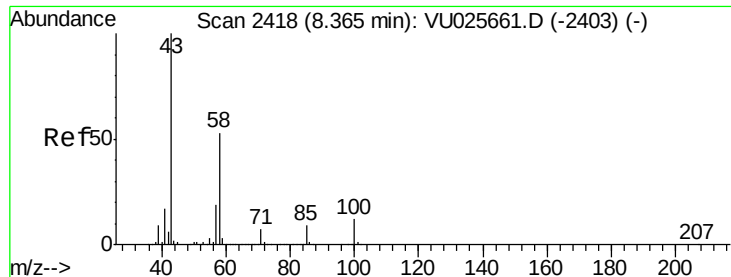
Tot Ion: 43 Resp: 851
 Ion Ratio Lower Upper
 43 100
 58 14.6 31.0 46.4#



#52
 Toluene
 Concen: 0.48 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU025779.D
 Acq: 01 Aug 2018 16:18

Tgt Ion: 92 Resp: 3326
 Ion Ratio Lower Upper
 92 100
 91 166.8 139.2 208.8

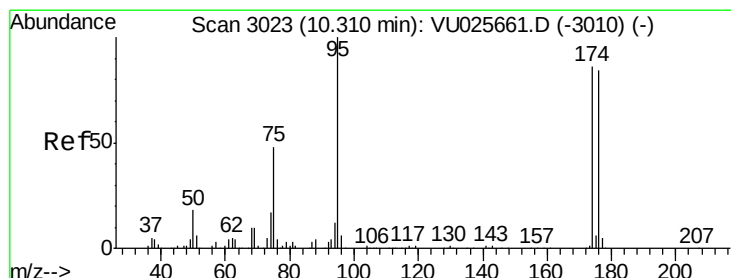
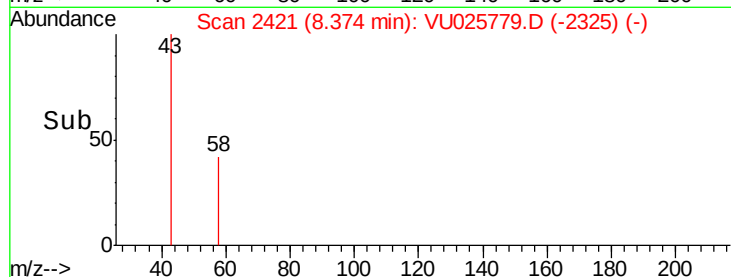
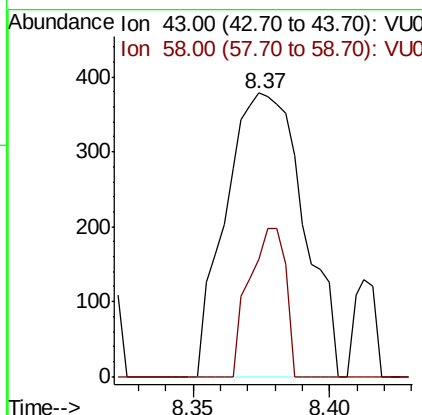
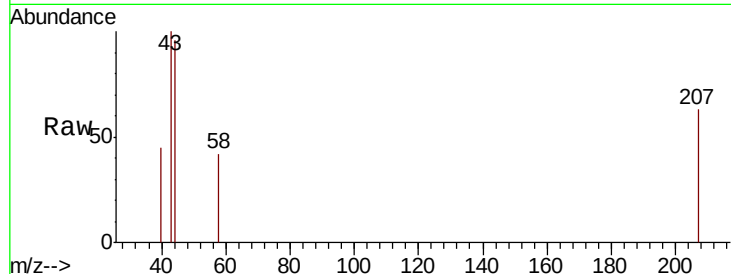




#59
2-Hexanone
Concen: 0.23 ug/l
RT: 8.37 min Scan# 2421
Delta R.T. 0.01 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

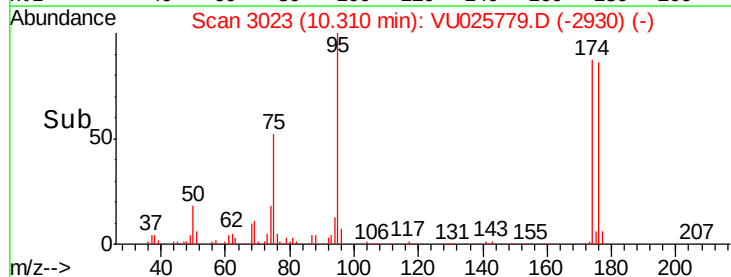
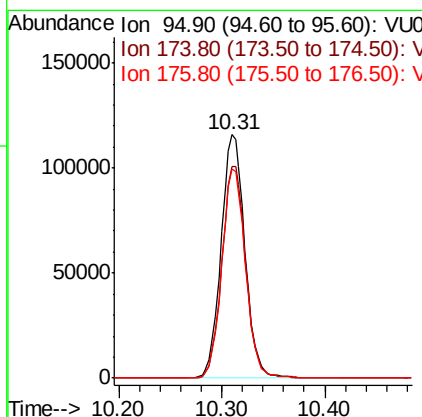
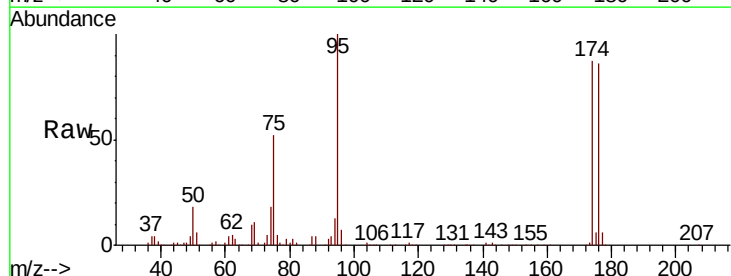
Instrument :
MSVOA_U
ClientSampled :
GW-03

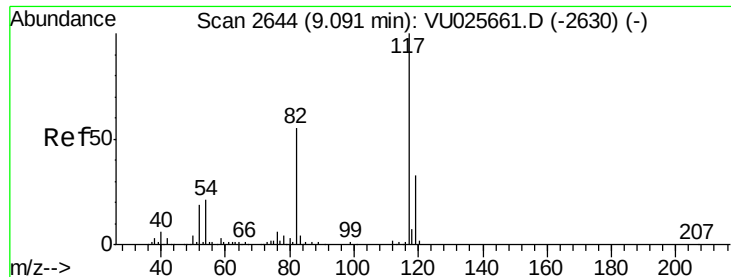
Tot Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
58 24.4 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.60 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

Tgt Ion: 95 Resp: 185703
Ion Ratio Lower Upper
95 100
174 87.3 0.0 172.2
176 85.1 0.0 162.6

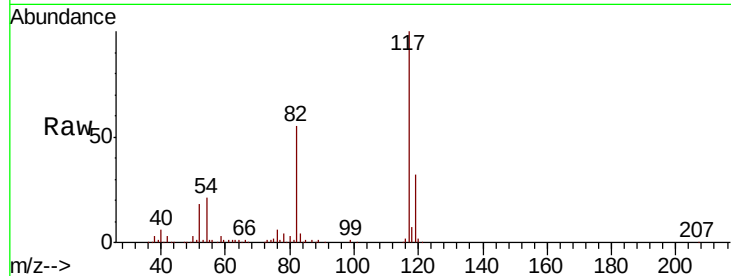




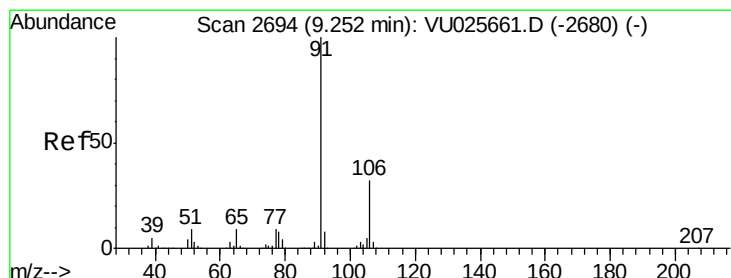
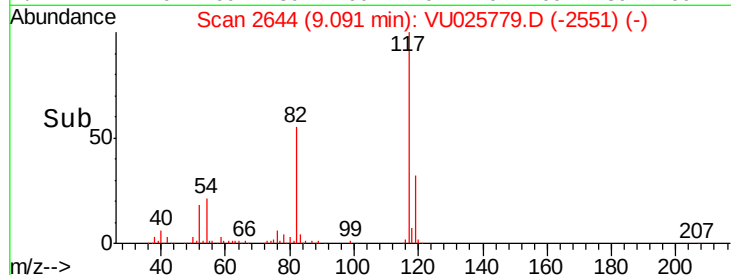
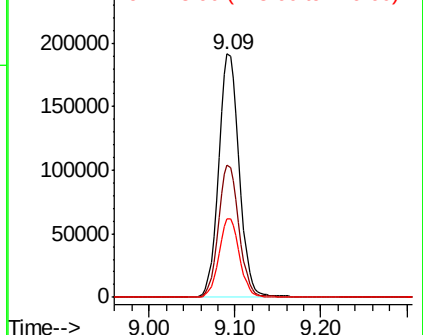
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

Instrument :
MSVOA_U
ClientSampleId :
GW-03

Tot Ion:117 Resp: 318258
Ion Ratio Lower Upper
117 100
82 54.6 46.0 69.0
119 32.3 26.0 39.0

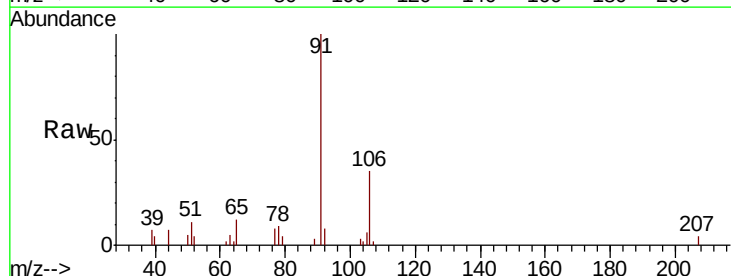


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

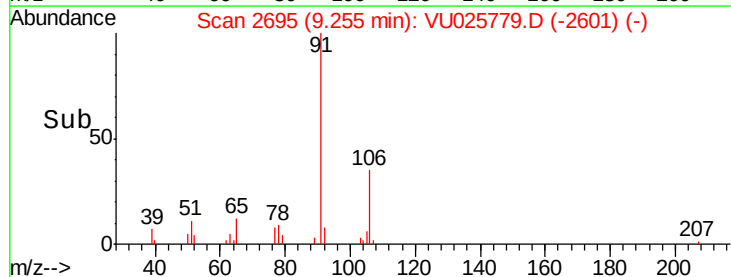
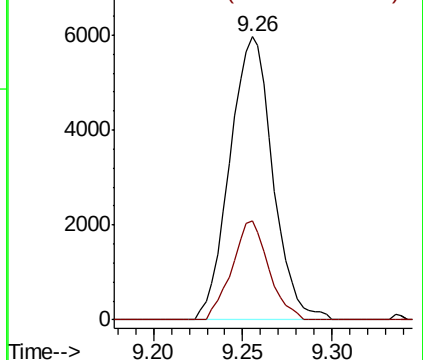


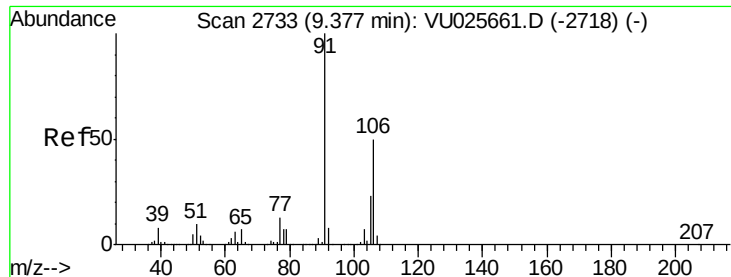
#67
Ethyl Benzene
Concen: 0.74 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

Tgt Ion: 91 Resp: 10009
Ion Ratio Lower Upper
91 100
106 35.1 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 106.00 (105.70 to 106.70): V

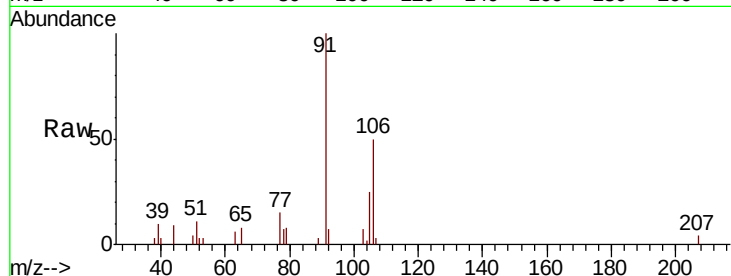




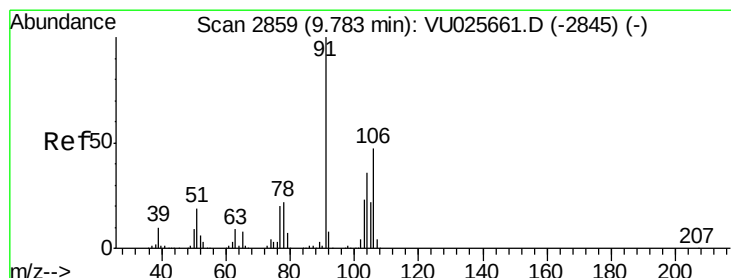
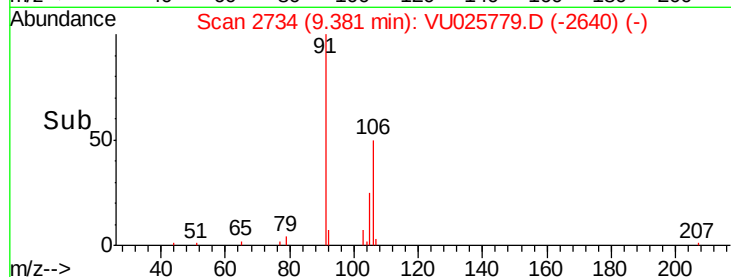
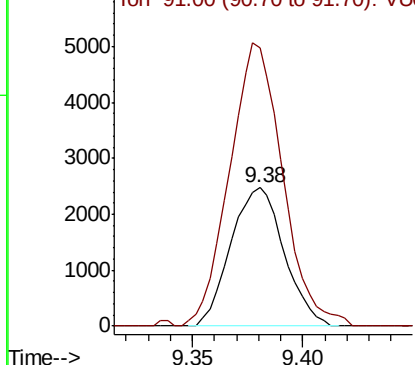
#68
m/p-Xylenes
Concen: 0.80 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

Instrument :
MSVOA_U
ClientSampleId :
GW-03

Tot Ion:106 Resp: 4160
Ion Ratio Lower Upper
106 100
91 203.9 162.3 243.5

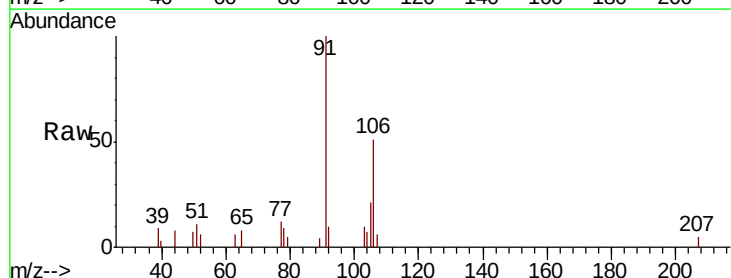


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

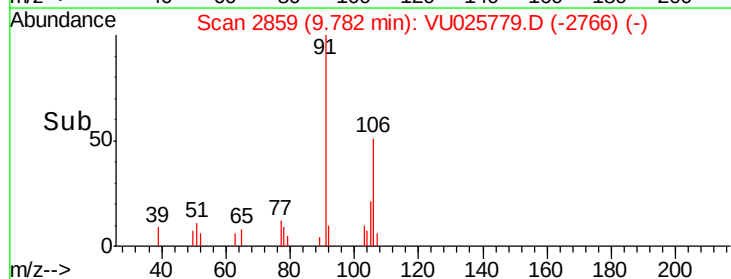
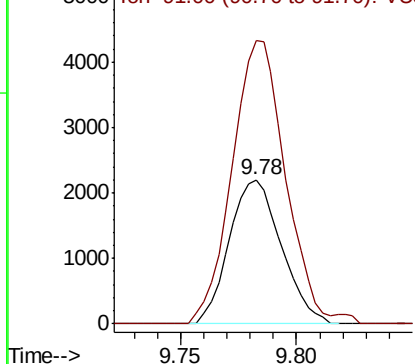


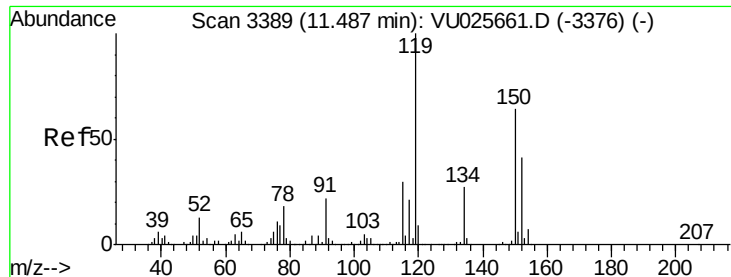
#69
o-Xylene
Concen: 0.67 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

Tgt Ion:106 Resp: 3426
Ion Ratio Lower Upper
106 100
91 202.7 105.3 315.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025779.D

Acq: 01 Aug 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

GW-03

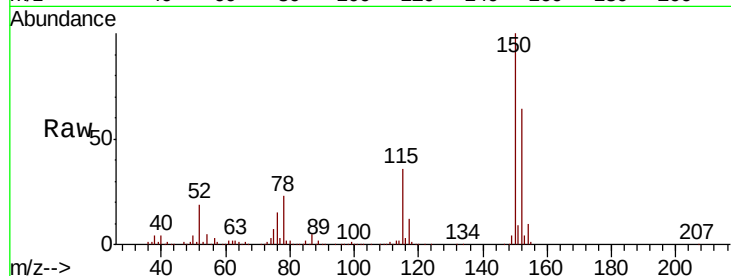
Tot Ion:152 Resp: 198156

Ion Ratio Lower Upper

152 100

115 55.9 40.1 120.3

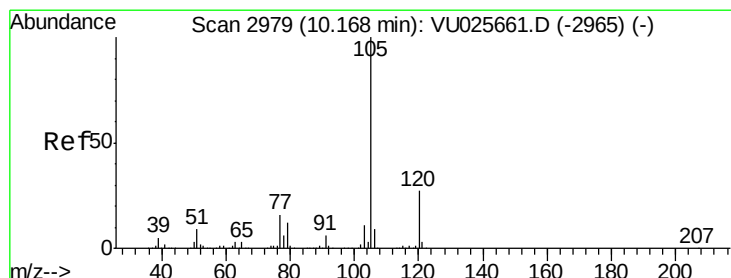
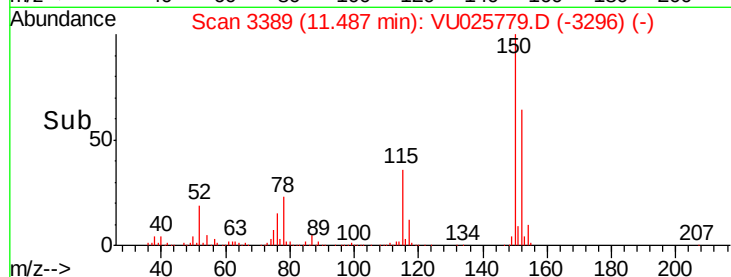
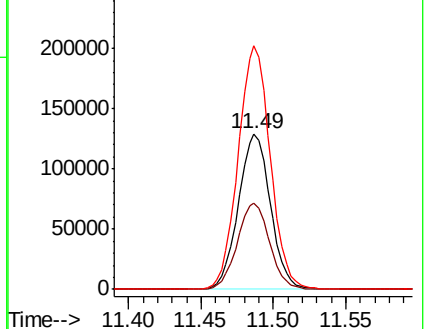
150 157.0 0.0 351.4



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



#73

Isopropylbenzene

Concen: 0.40 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025779.D

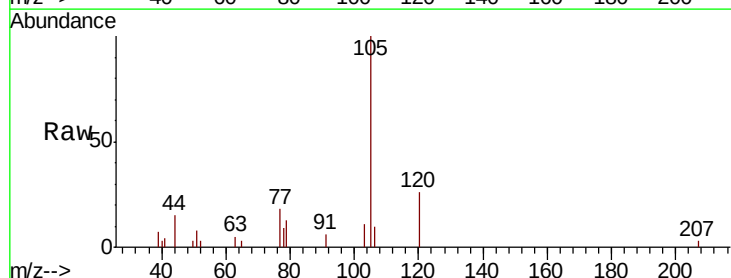
Acq: 01 Aug 2018 16:18

Tgt Ion:105 Resp: 5445

Ion Ratio Lower Upper

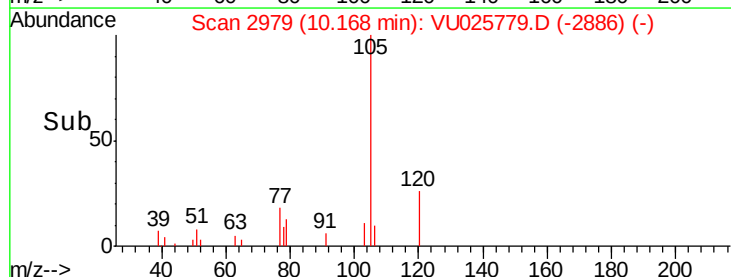
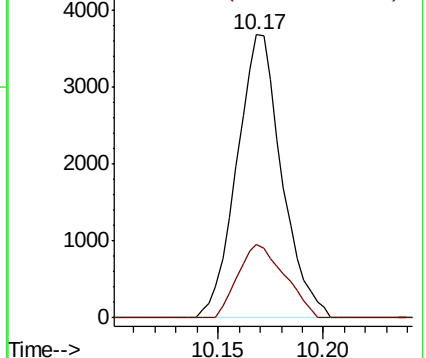
105 100

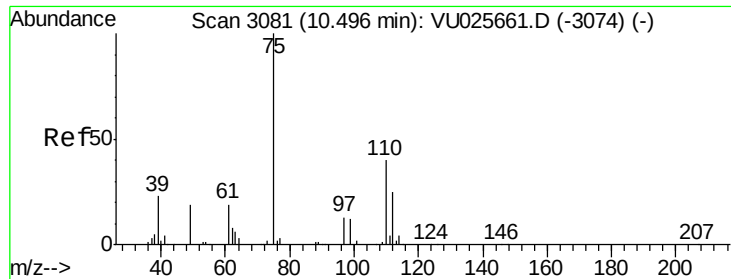
120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 21.33 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025779.D

Acq: 01 Aug 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

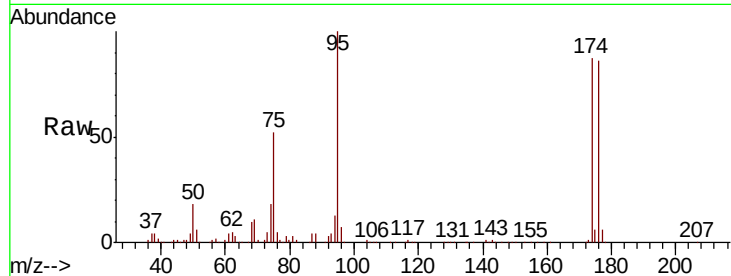
GW-03

Tot Ion: 75 Resp: 93120

Ion Ratio Lower Upper

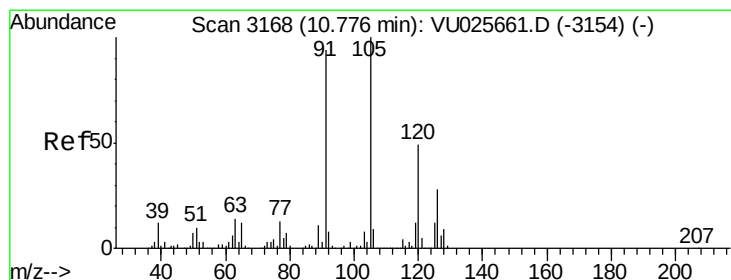
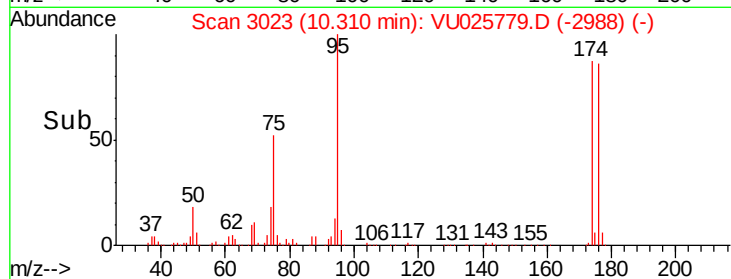
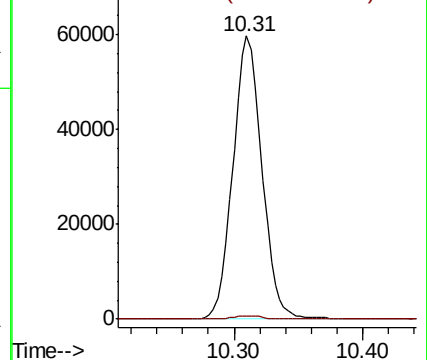
75 100

77 1.0 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#80

1,3,5-Trimethylbenzene

Concen: 0.21 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025779.D

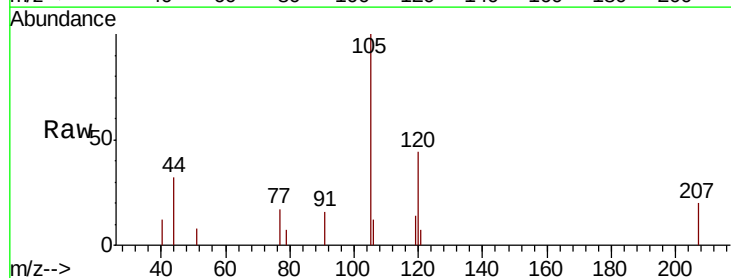
Acq: 01 Aug 2018 16:18

Tgt Ion: 105 Resp: 2357

Ion Ratio Lower Upper

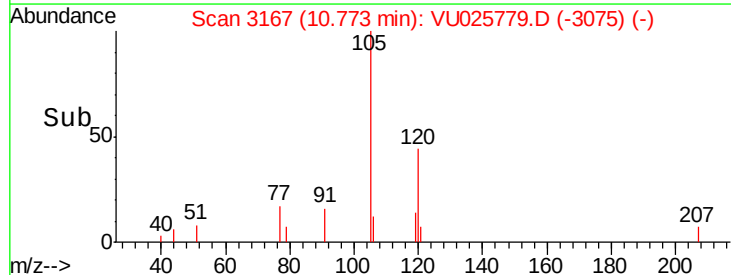
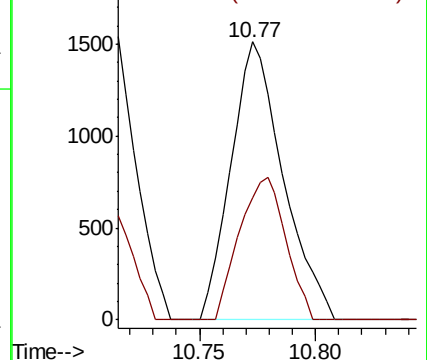
105 100

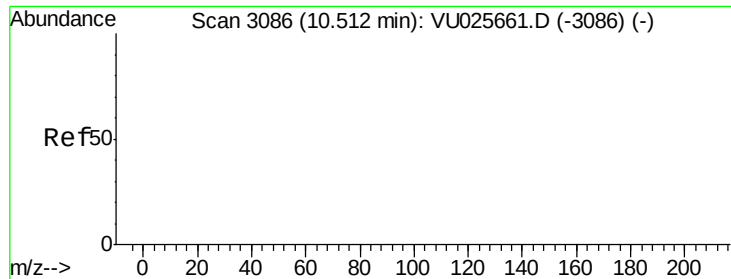
120 45.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

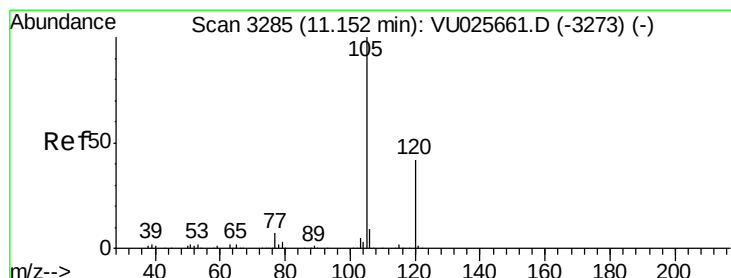
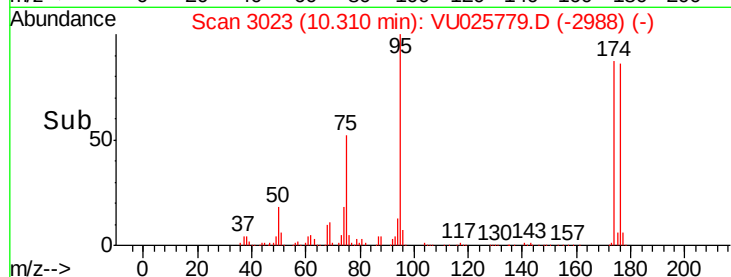
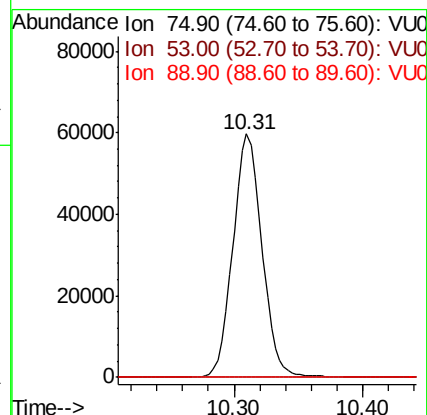
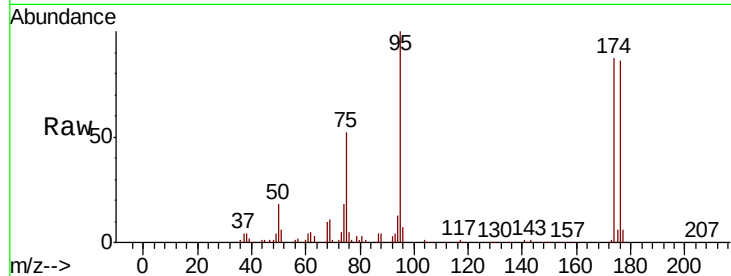




#81
trans-1,4-Dichloro-2-butene
Concen: 53.48 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.19 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

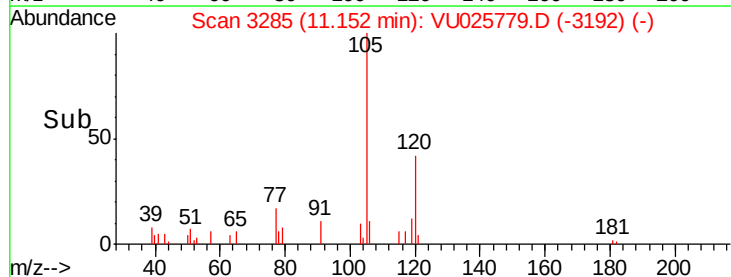
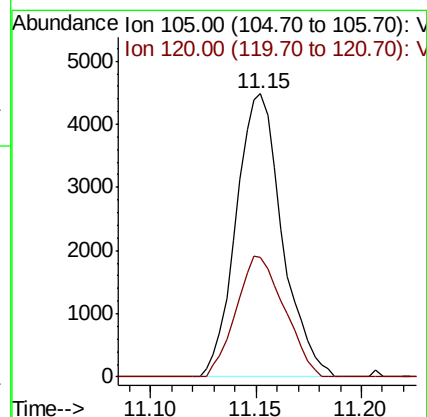
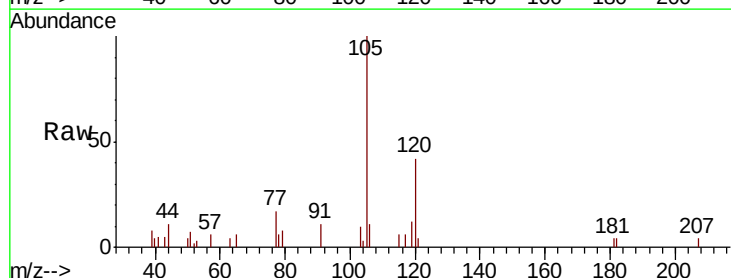
Instrument :
MSVOA_U
ClientSampled :
GW-03

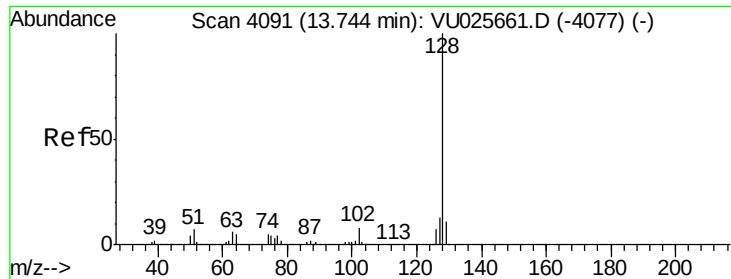
Tot Ion: 75 Resp: 93120
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#84
1,2,4-Trimethylbenzene
Concen: 0.58 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. -0.00 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

Tgt Ion: 105 Resp: 6780
Ion Ratio Lower Upper
105 100
120 44.6 22.3 66.8





#95
 Naphthalene
 Concen: 36.53 ug/l
 RT: 13.74 min Scan# 4091
 Delta R.T. 0.00 min
 Lab File: VU025779.D
 Acq: 01 Aug 2018 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.0	8.3	12.5

