

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 :

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%	

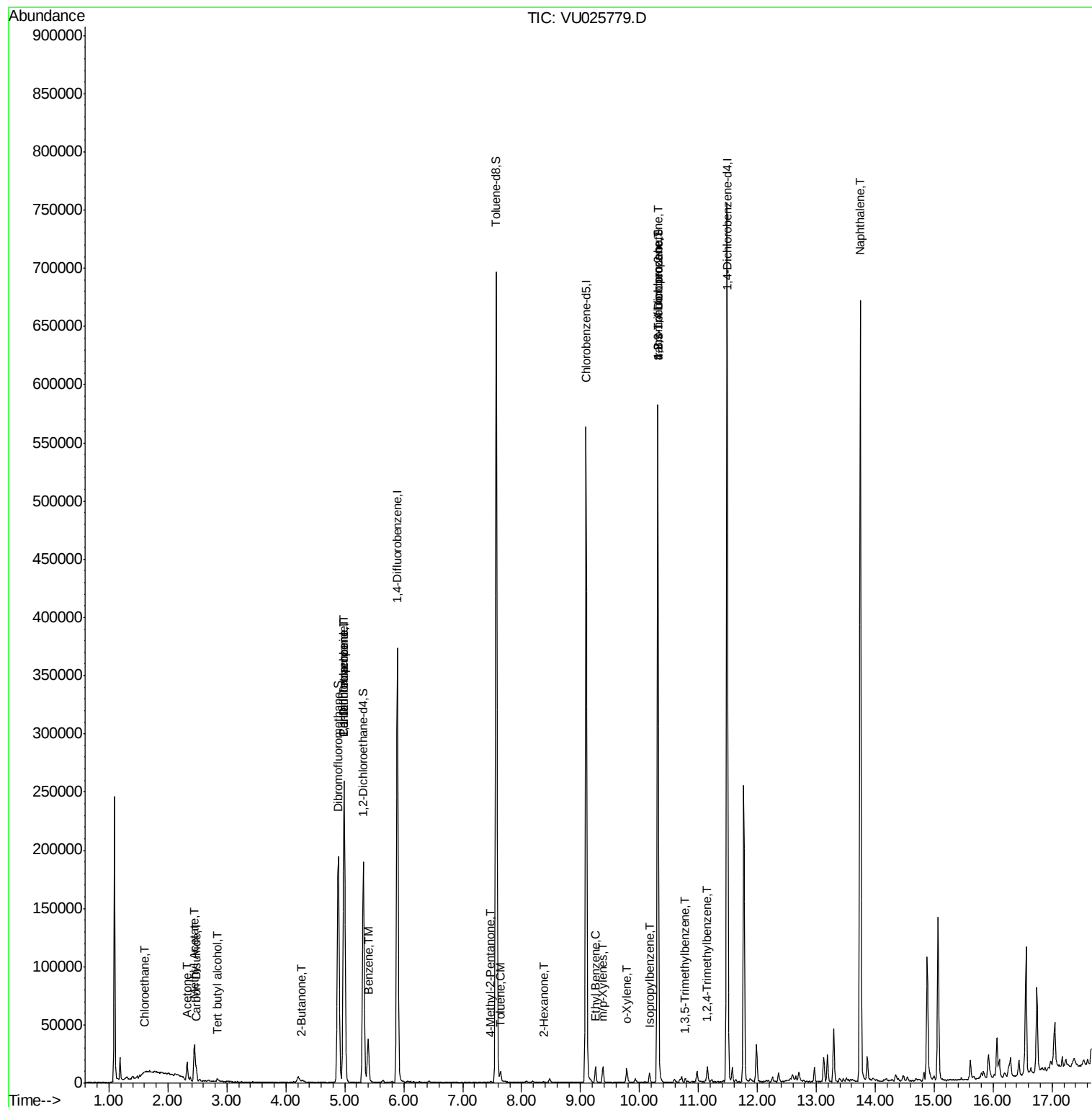
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.60	64	8368	5.19	ug/l	# 55
11) Tert butyl alcohol	2.83	59	1441	2.08	ug/l	# 73
13) Acrolein	2.17	56	40	Below Cal		# 1
16) Acetone	2.32	43	16138	10.48	ug/l	94
17) Carbon Disulfide	2.48	76	13657	1.94	ug/l	100
18) Methyl Acetate	2.45	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

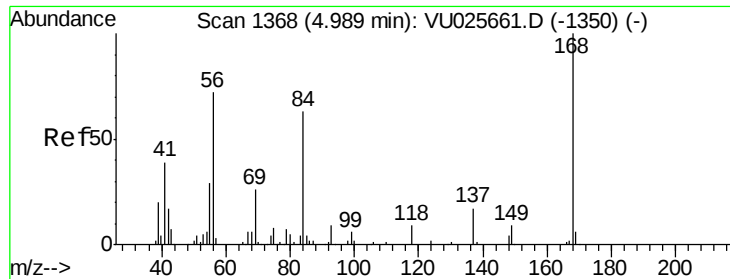
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

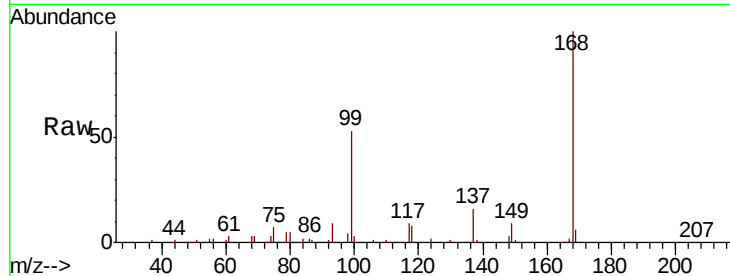
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 202737

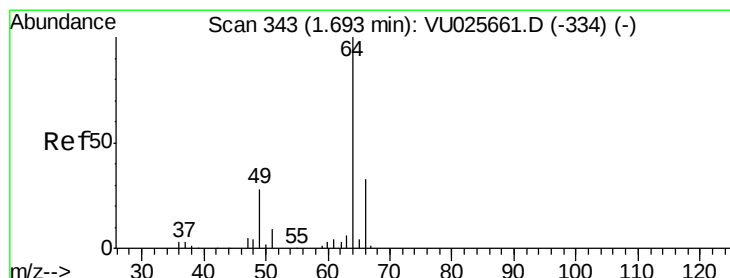
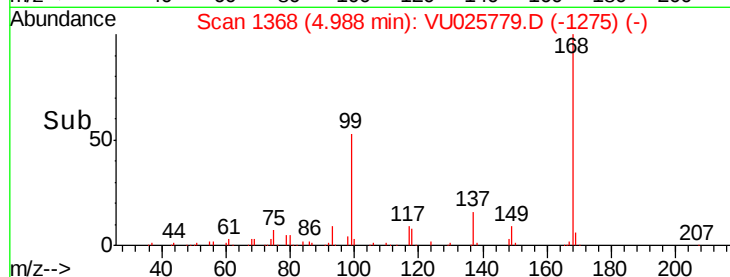
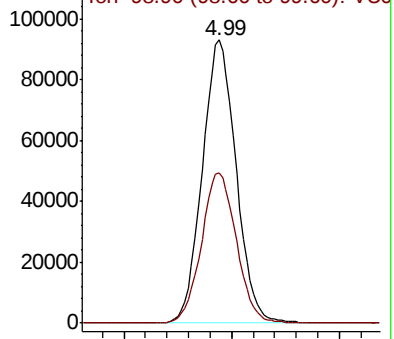
Ion Ratio Lower Upper

168 100

99 53.2 42.8 64.2



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



#6

Chloroethane

Concen: 5.19 ug/l

RT: 1.60 min Scan# 313

Delta R.T. -0.10 min

Lab File: VU025779.D

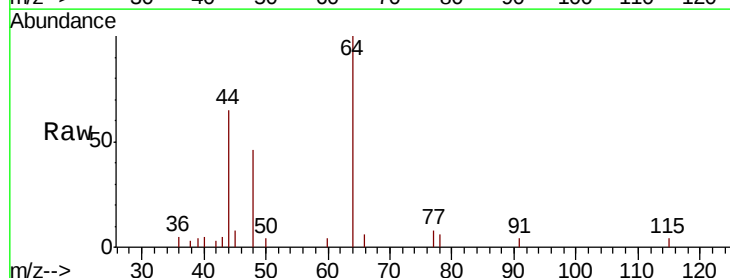
Acq: 01 Aug 2018 16:18

Tgt Ion: 64 Resp: 8368

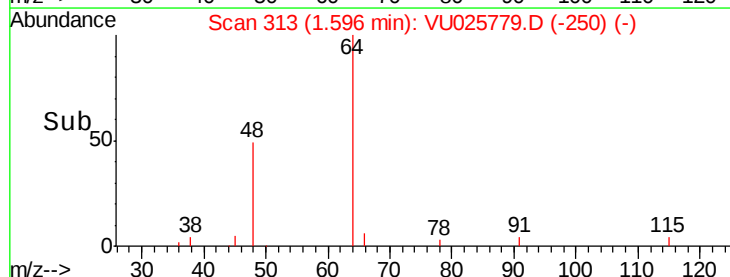
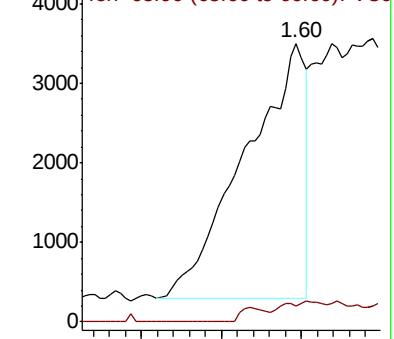
Ion Ratio Lower Upper

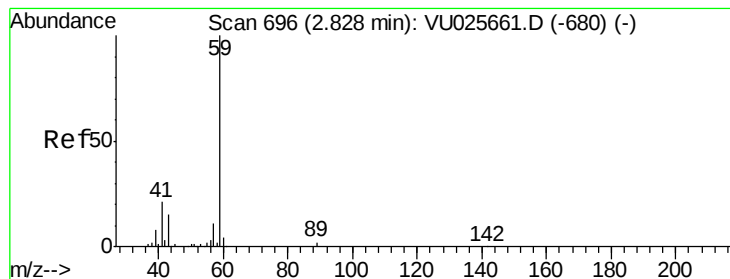
64 100

66 6.3 25.0 37.4#



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



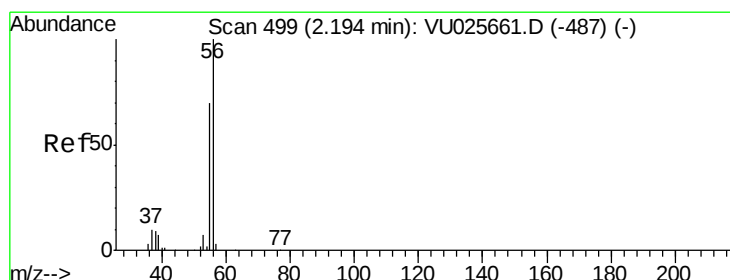
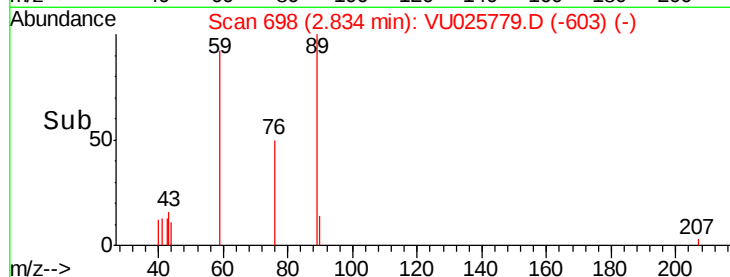
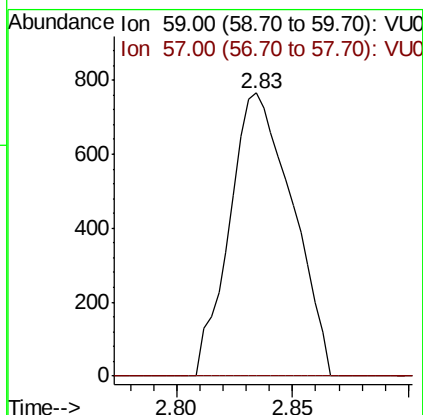
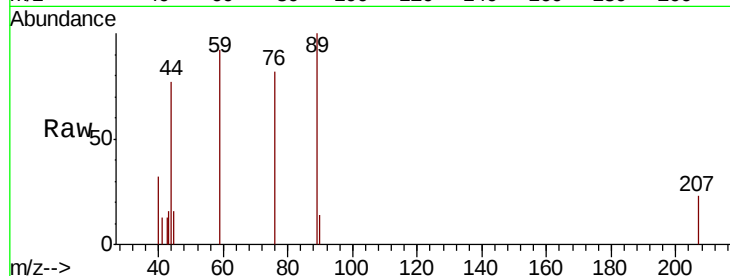


#11

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
 ClientSampleId :

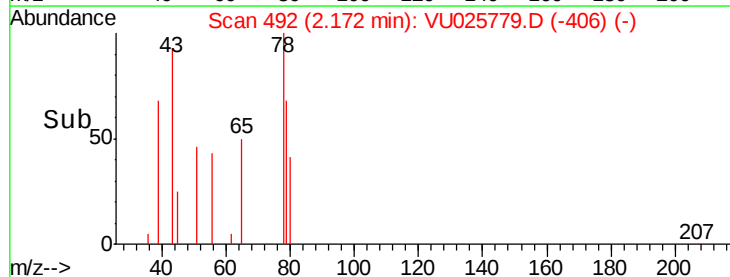
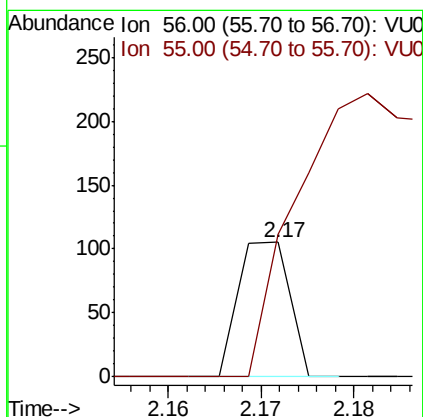
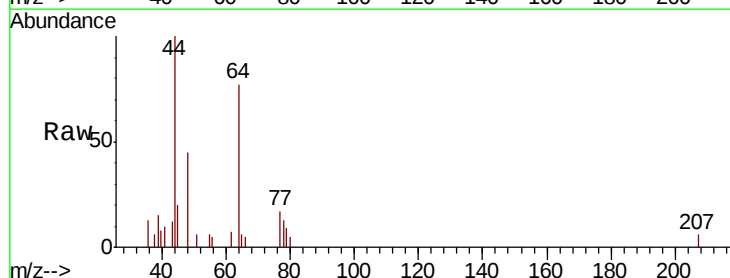
Tot Ion: 59 Resp: 1441
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

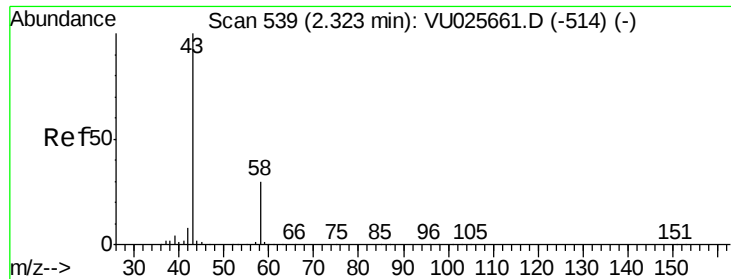


#13

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

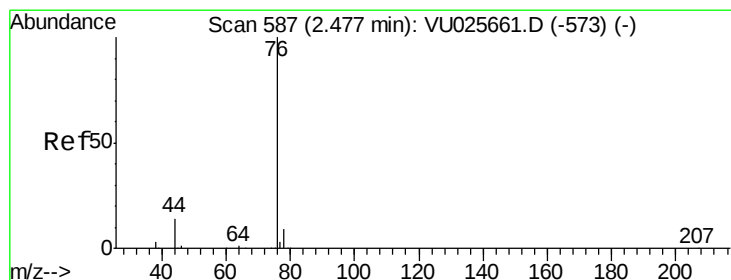
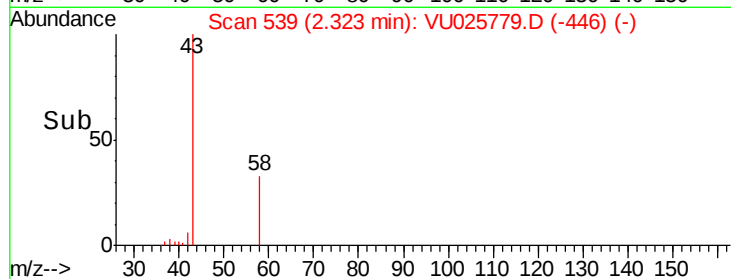
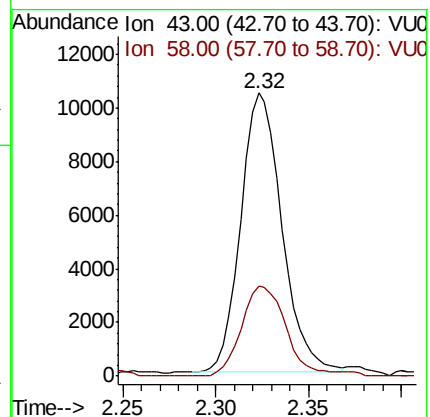
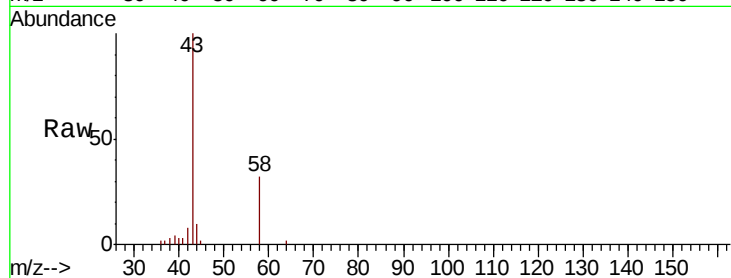
ClientSampleId :

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

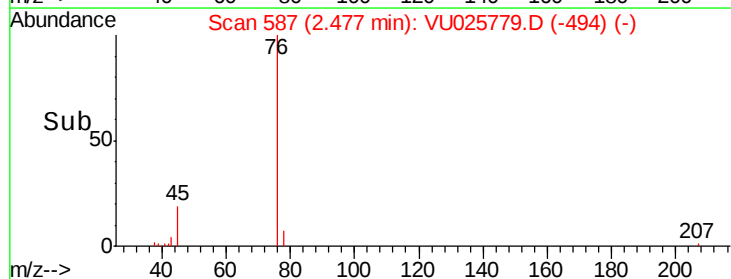
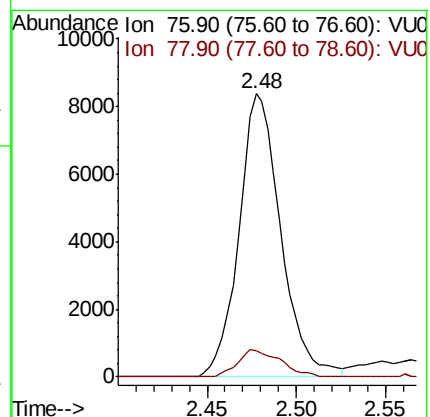
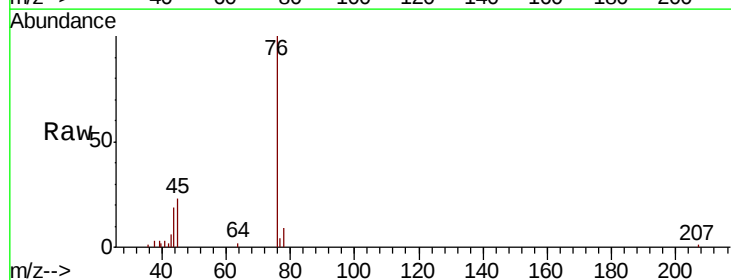
Acq: 01 Aug 2018 16:18

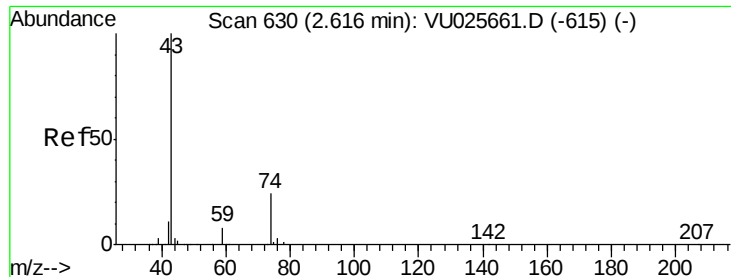
Tgt Ion: 76 Resp: 13657

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

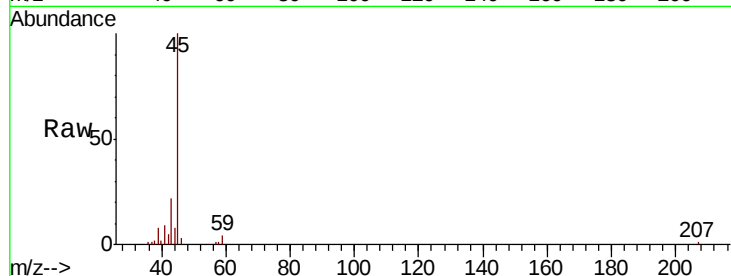




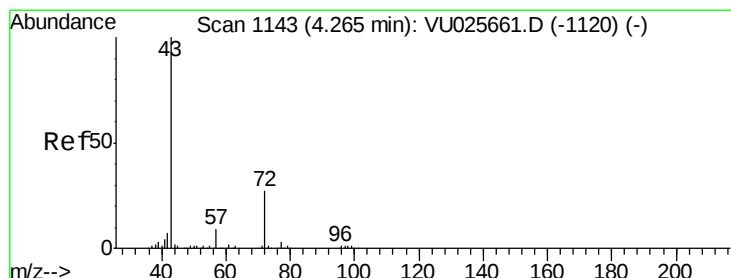
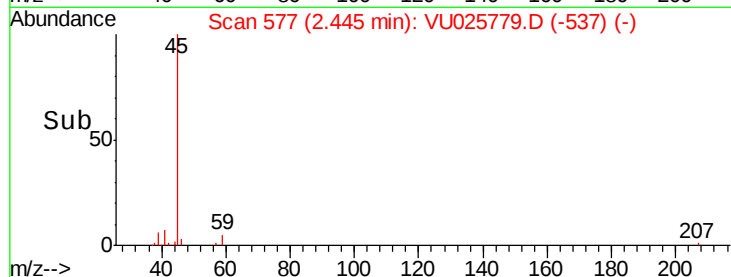
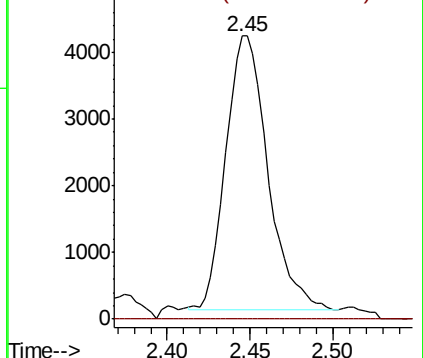
#18
Methyl Acetate
Concen: 1.95 ug/l
RT: 2.45 min Scan# 577
Delta R.T. -0.17 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

Instrument :
MSVOA_U
ClientSampleId :

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

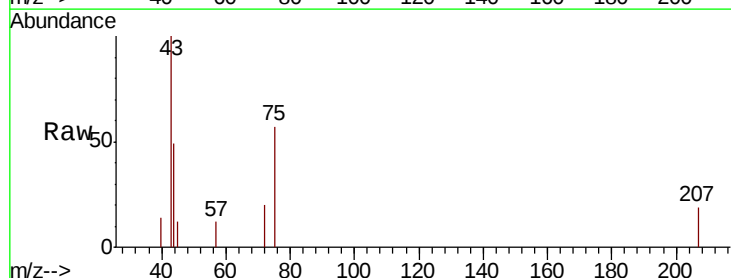


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

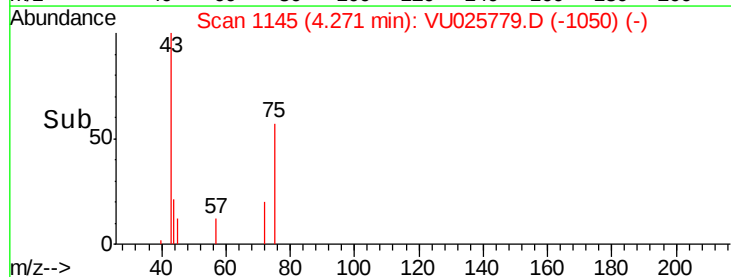
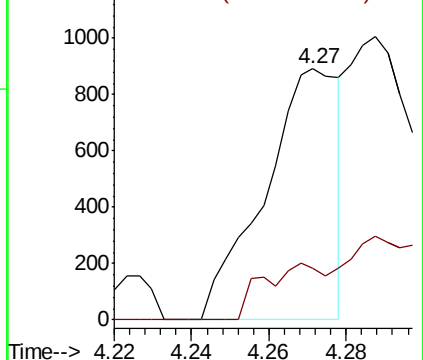


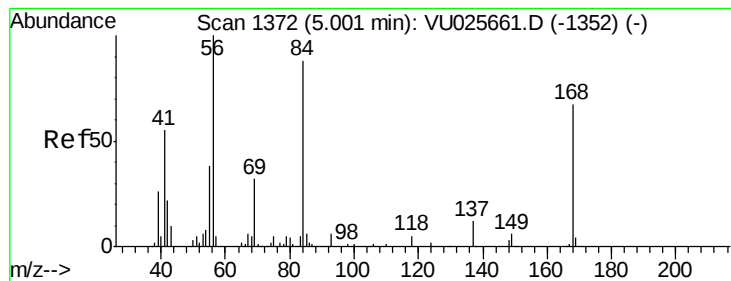
#25
2-Butanone
Concen: 0.57 ug/l
RT: 4.27 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

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



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 72.00 (71.70 to 72.70): VU0





#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 :

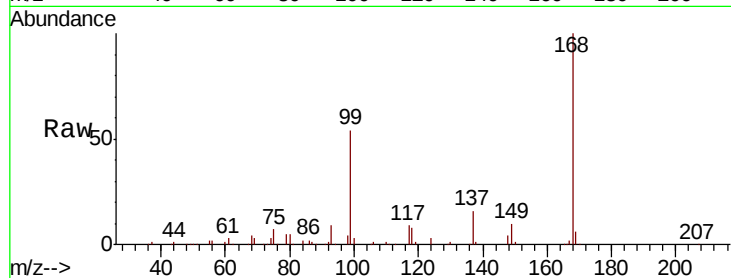
Tot Ion: 56 Resp: 3749

Ion Ratio Lower Upper

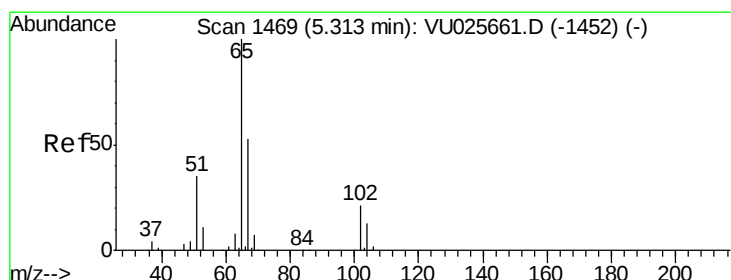
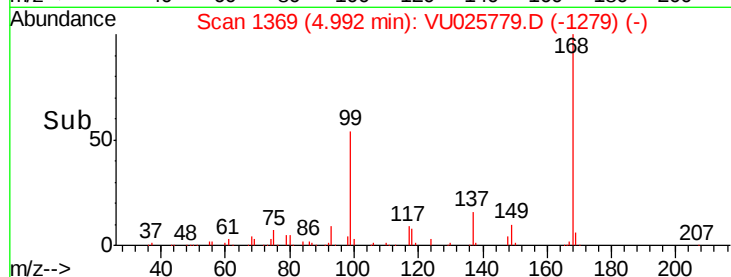
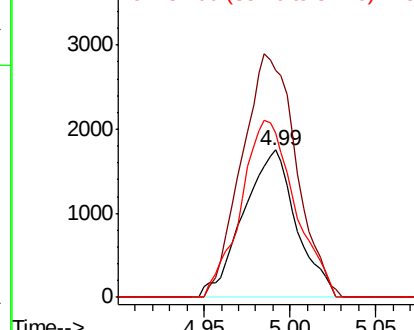
56 100

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

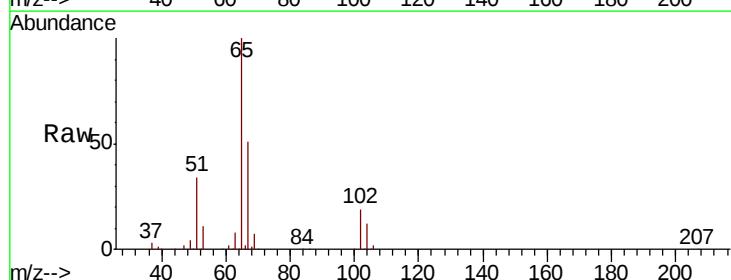
Acq: 01 Aug 2018 16:18

Tgt Ion: 65 Resp: 153468

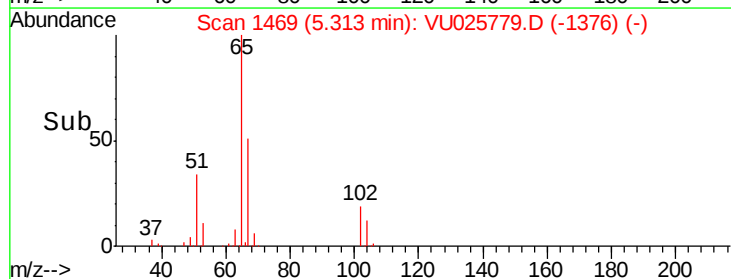
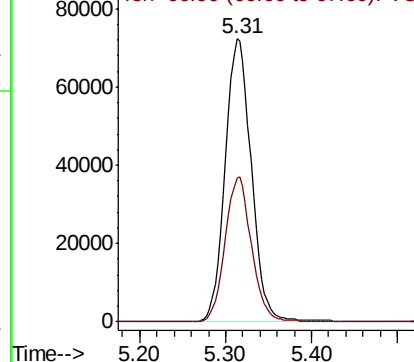
Ion Ratio Lower Upper

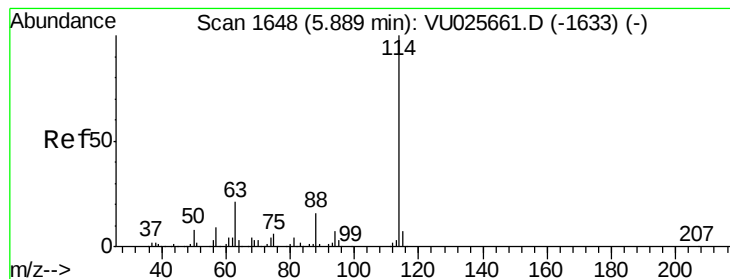
65 100

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

Instrument :

MSVOA_U

ClientSampleId :

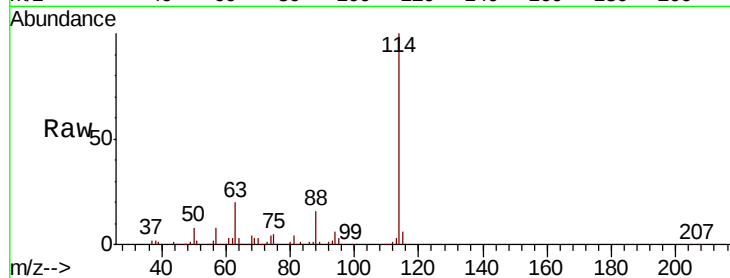
Tot Ion:114 Resp: 323478

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.6

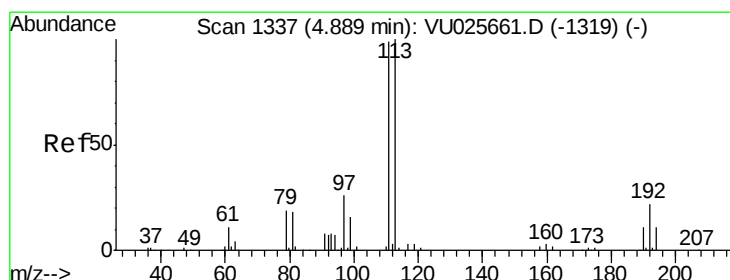
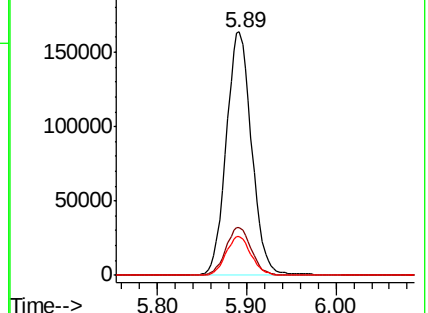
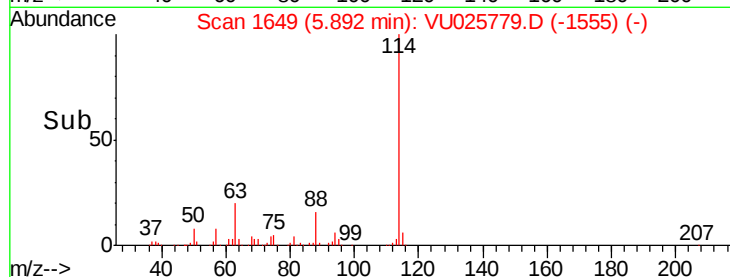
88 15.9 0.0 32.4



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: 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

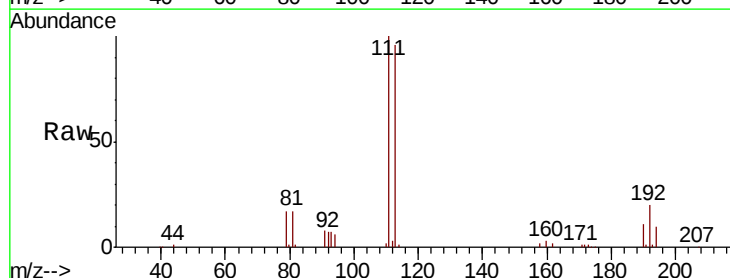
Tgt Ion:113 Resp: 132769

Ion Ratio Lower Upper

113 100

111 102.7 81.7 122.5

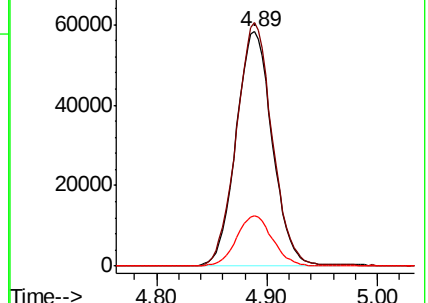
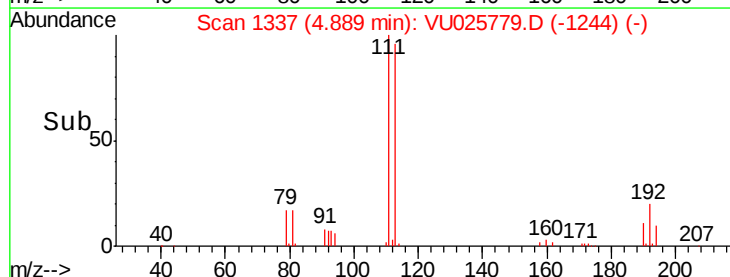
192 21.4 17.1 25.7

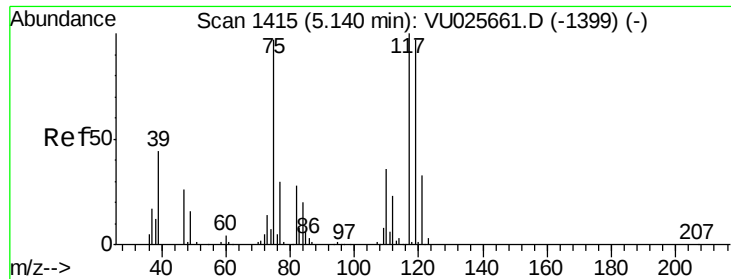


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

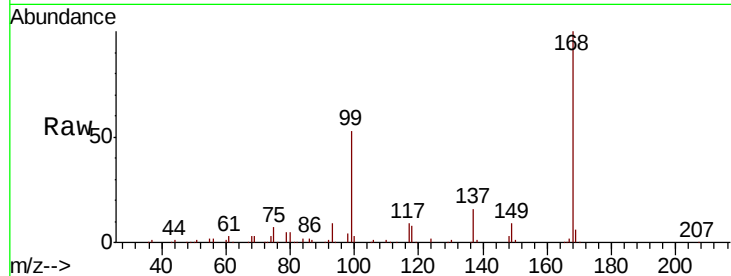




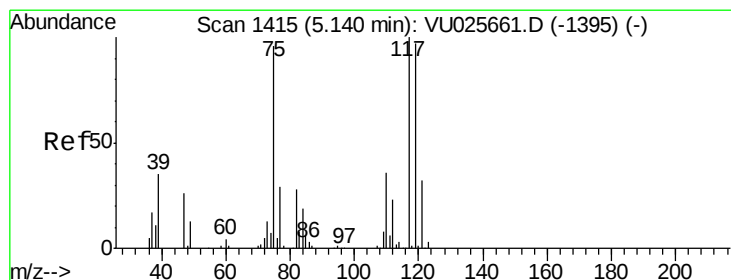
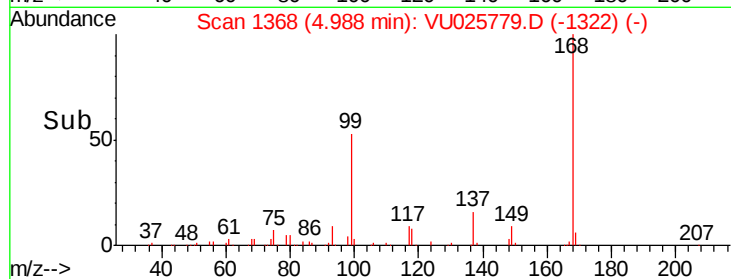
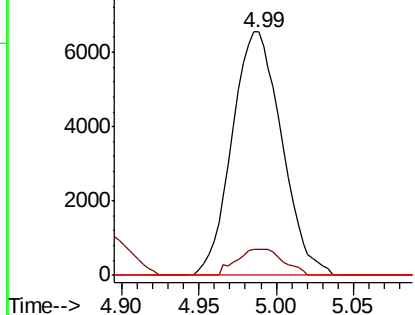
#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025779.D
 Acq: 01 Aug 2018 16:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	75	Resp	14583
Ion Ratio	100	Lower	Upper
75	100		
110	10.1	17.6	52.9#
77	0.0	24.4	36.6#

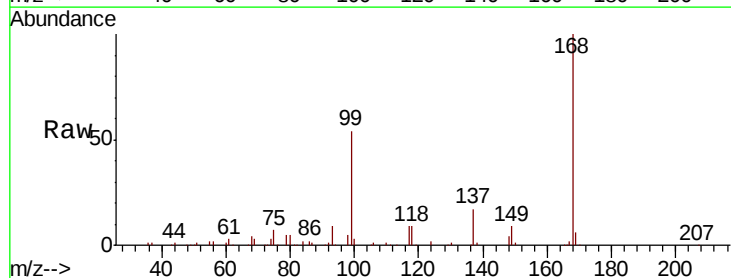


Abundance Ion 74.90 (74.60 to 75.60): VU025779.D (-1322) (-)
 Ion 109.90 (109.60 to 110.60): VU025779.D (-1322) (-)
 Ion 76.90 (76.60 to 77.60): VU025779.D (-1322) (-)

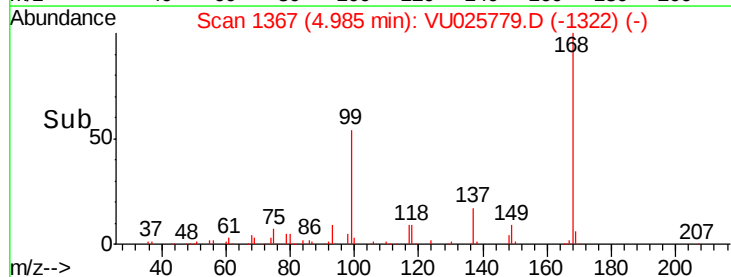
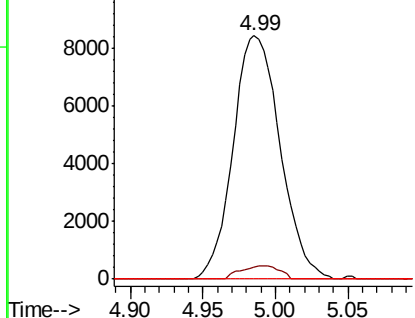


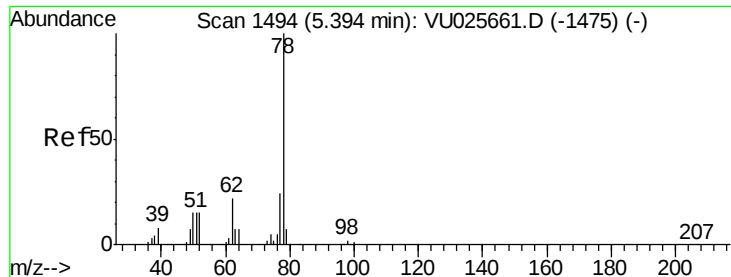
#38
 Carbon Tetrachloride
 Concen: 4.46 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025779.D
 Acq: 01 Aug 2018 16:18

Tgt Ion	117	Resp	19093
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.8	75.7	113.5#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): VU025779.D (-1322) (-)
 Ion 118.80 (118.50 to 119.50): VU025779.D (-1322) (-)
 Ion 120.80 (120.50 to 121.50): VU025779.D (-1322) (-)

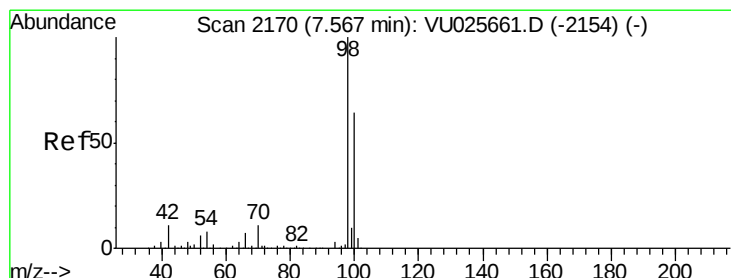
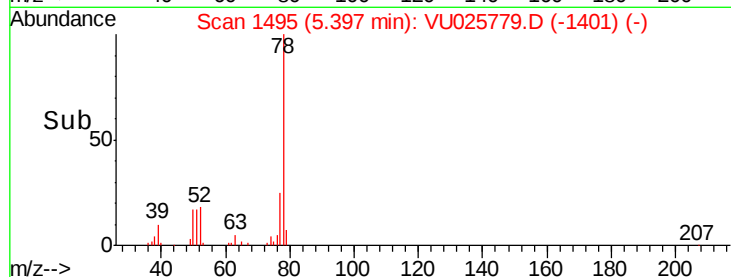
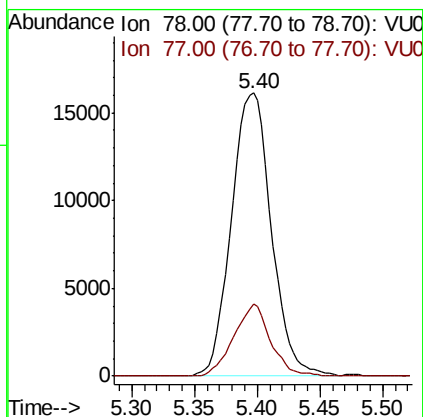
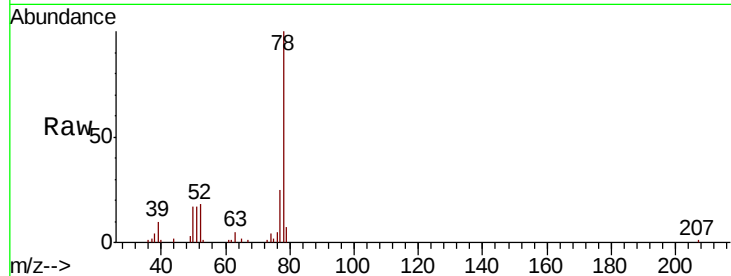




#40
Benzene
Concen: 3.24 ug/l
RT: 5.40 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

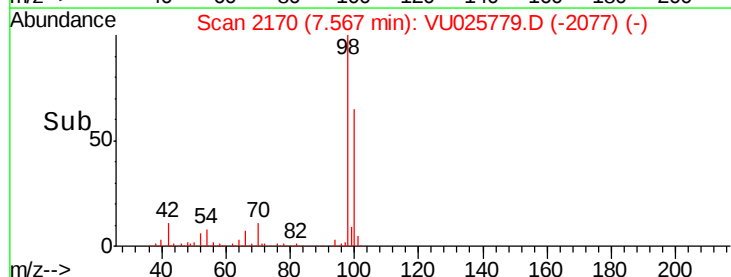
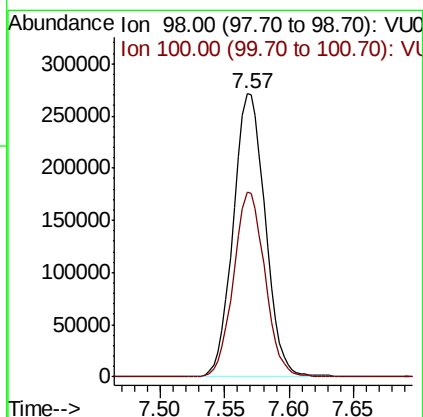
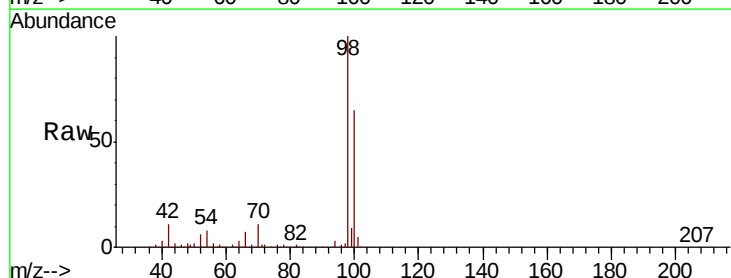
Instrument :
MSVOA_U
ClientSampleId :

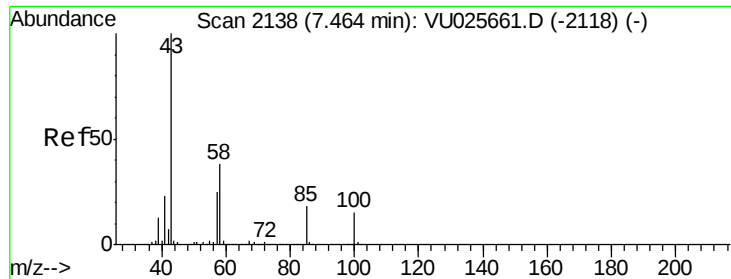
Tot Ion: 78 Resp: 35750
Ion Ratio Lower Upper
78 100
77 25.4 19.8 29.6



#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





#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

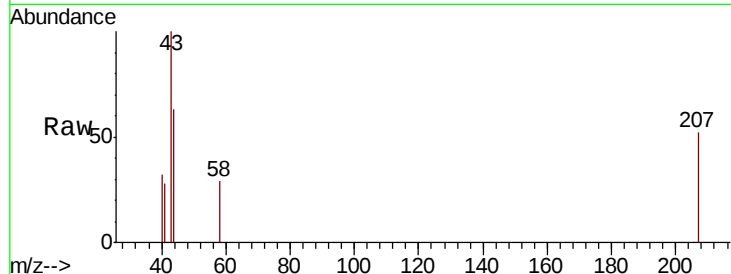
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 851

Ion Ratio Lower Upper

43 100

58 14.6 31.0 46.4#

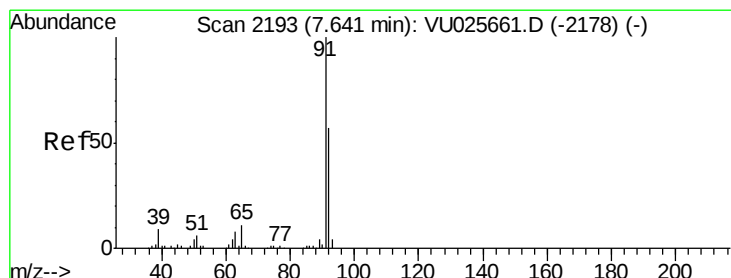
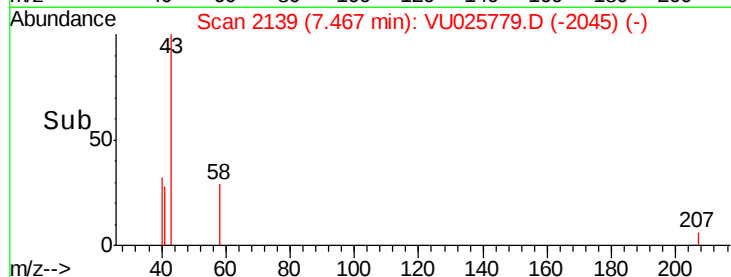
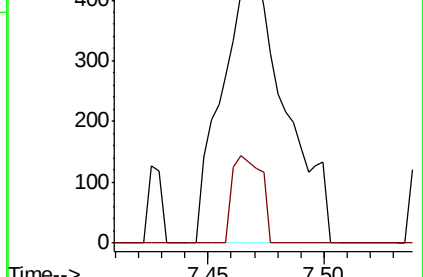


Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-2118) (-)

Ion 58.00 (57.70 to 58.70): VU025661.D (-2118) (-)

7.47

7.45 7.50



#52

Toluene

Concen: 0.48 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025779.D

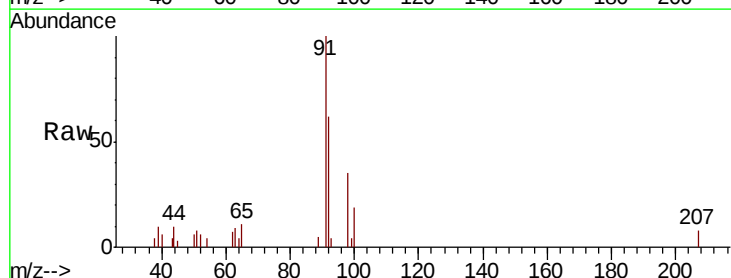
Acq: 01 Aug 2018 16:18

Tgt Ion: 92 Resp: 3326

Ion Ratio Lower Upper

92 100

91 166.8 139.2 208.8

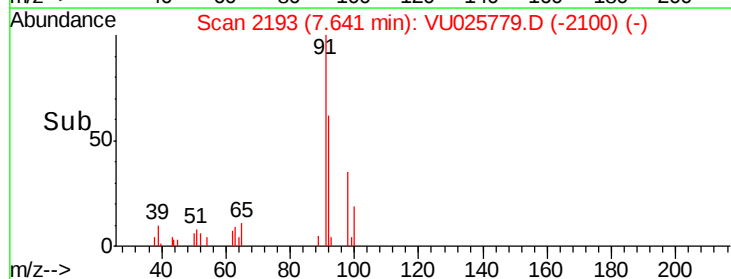
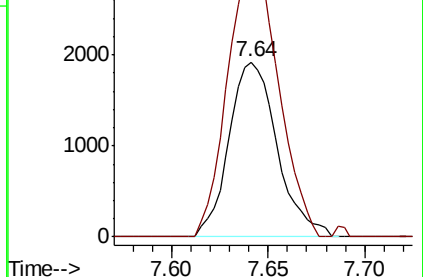


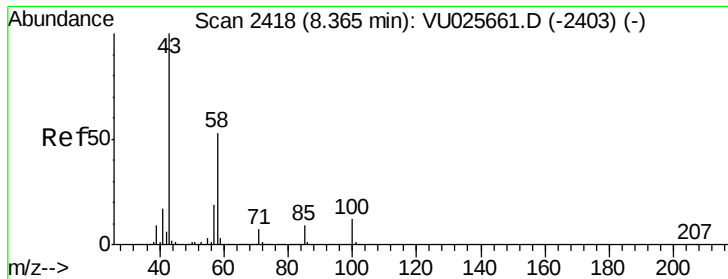
Abundance Ion 92.00 (91.70 to 92.70): VU025661.D (-2178) (-)

Ion 91.00 (90.70 to 91.70): VU025661.D (-2178) (-)

7.64

7.60 7.65 7.70

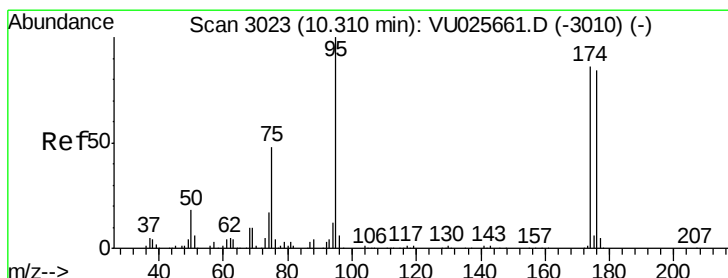
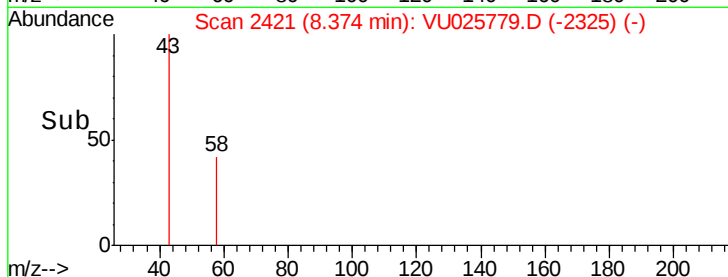
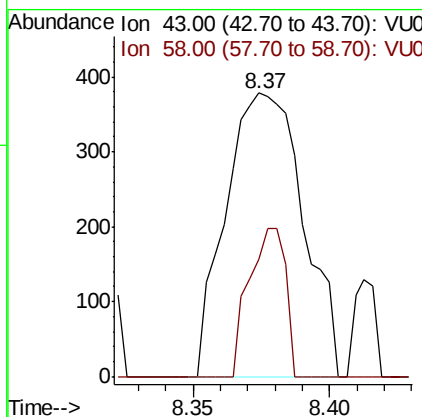
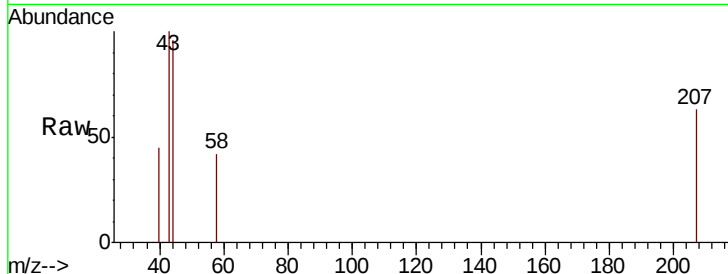




#59
2-Hexanone
Concen: 0.23 ug/l
RT: 8.37 min Scan# 2421
Delta R.T. 0.01 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

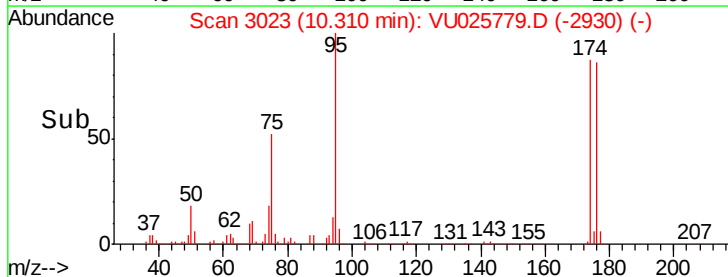
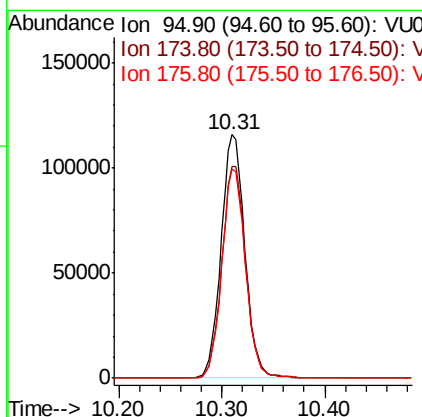
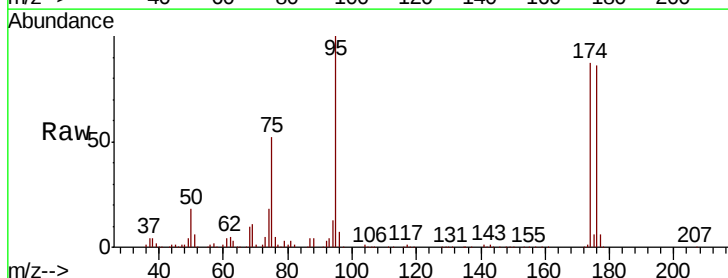
Instrument :
MSVOA_U
ClientSampled :

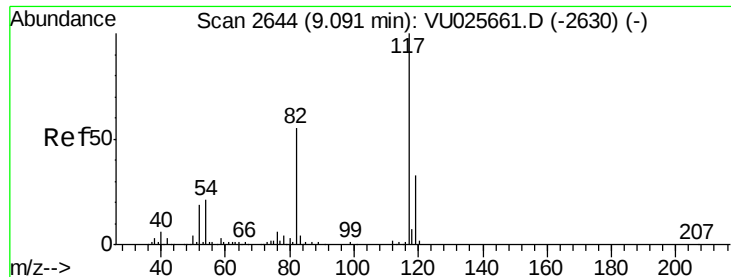
Tot Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
58 24.4 26.2 78.5#



#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

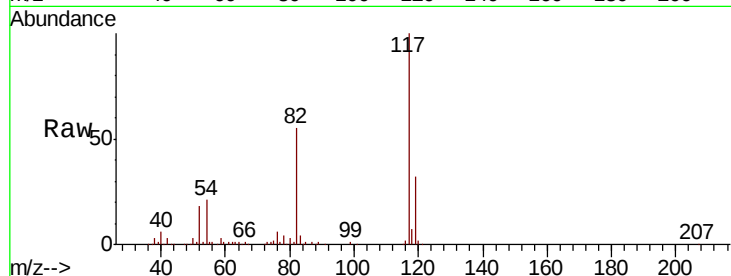




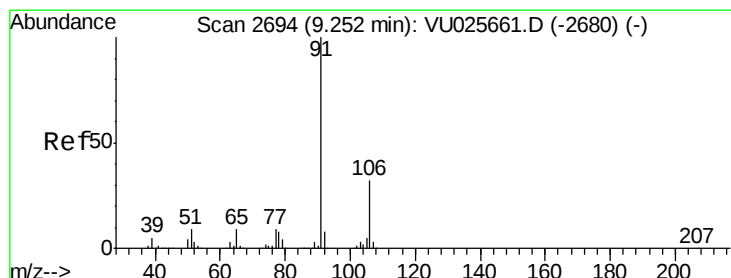
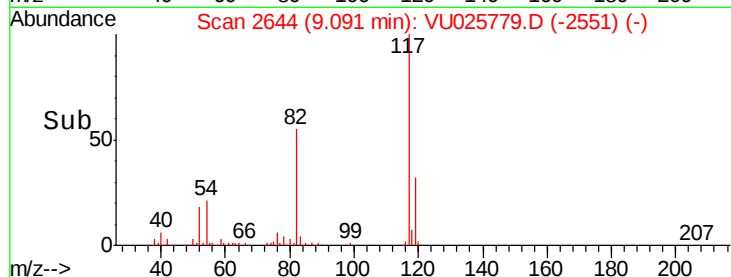
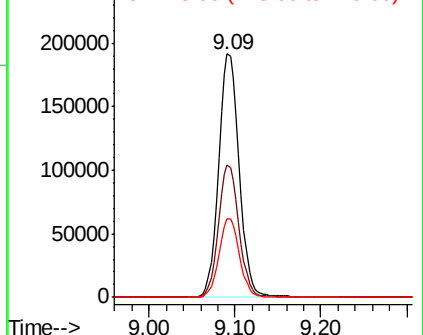
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

Instrument :
MSVOA_U
ClientSampleId :

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

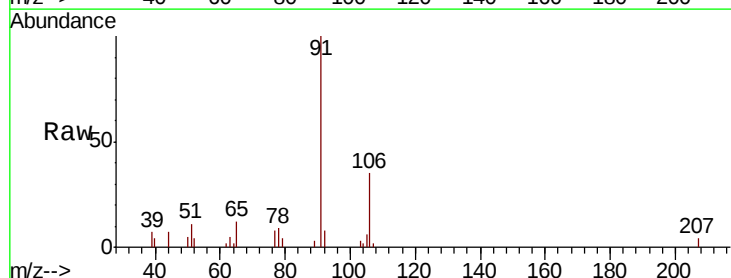


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

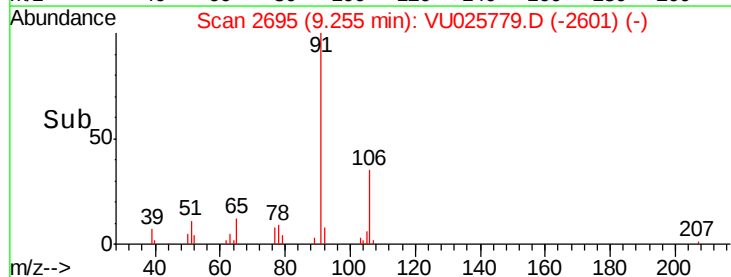
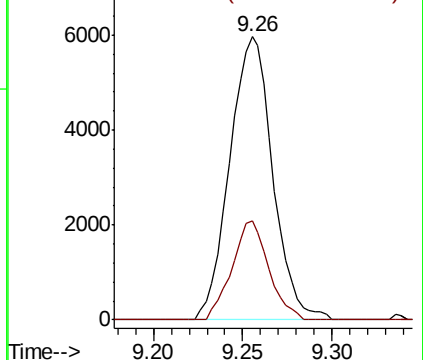


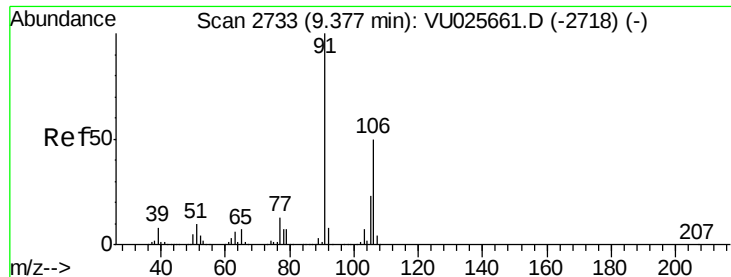
#67
Ethyl Benzene
Concen: 0.74 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

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

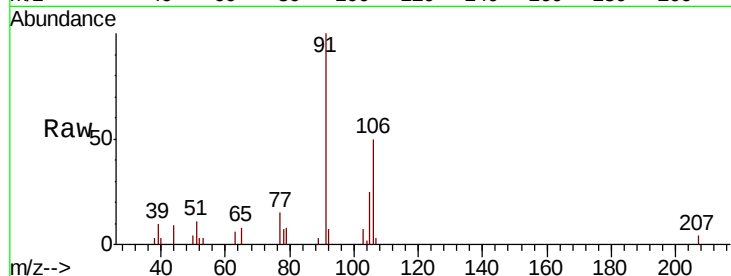




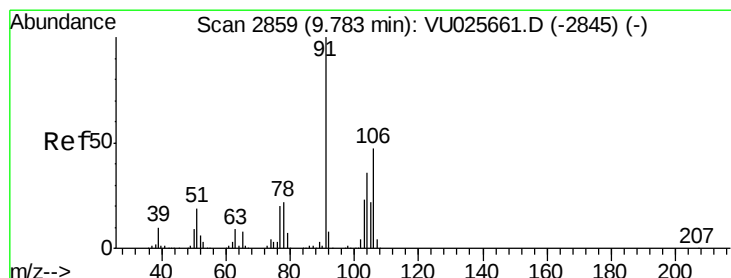
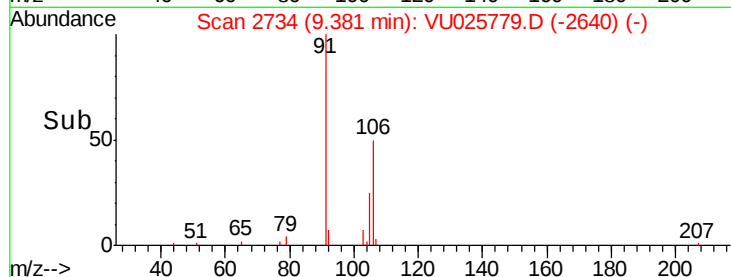
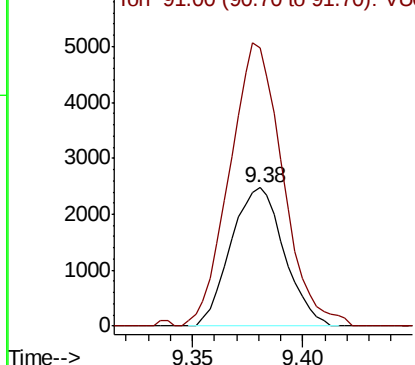
#68
m/p-Xylenes
Concen: 0.80 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

Instrument :
MSVOA_U
ClientSampleId :

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

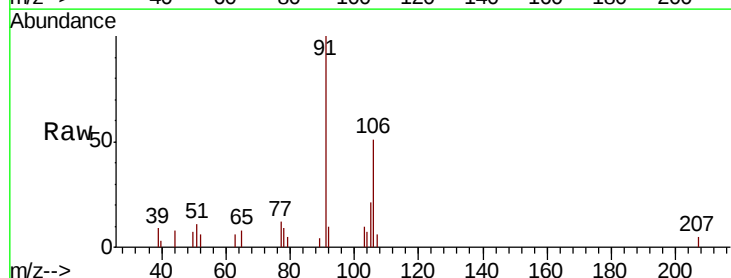


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

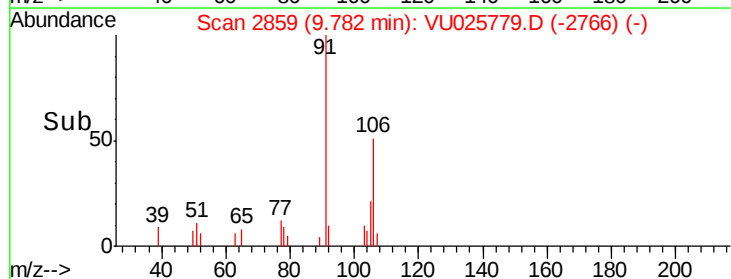
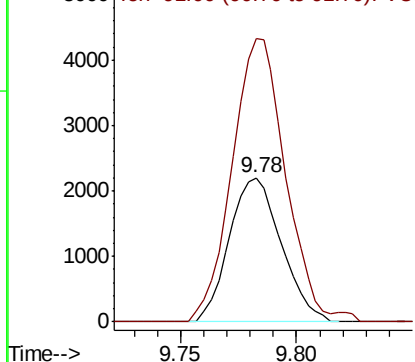


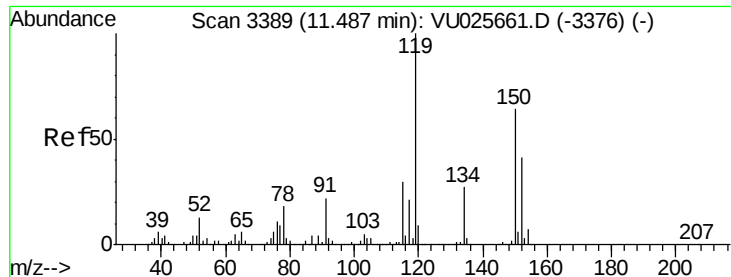
#69
o-Xylene
Concen: 0.67 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

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 :

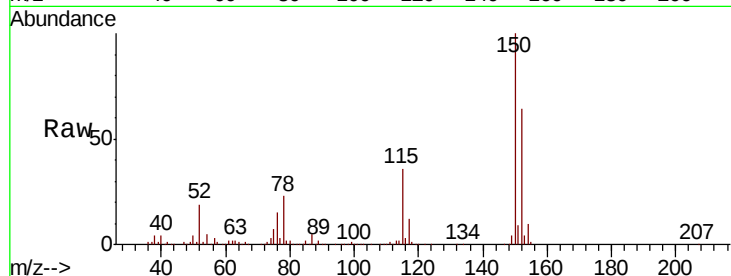
Tot Ion:152 Resp: 198156

Ion Ratio Lower Upper

152 100

115 55.9 40.1 120.3

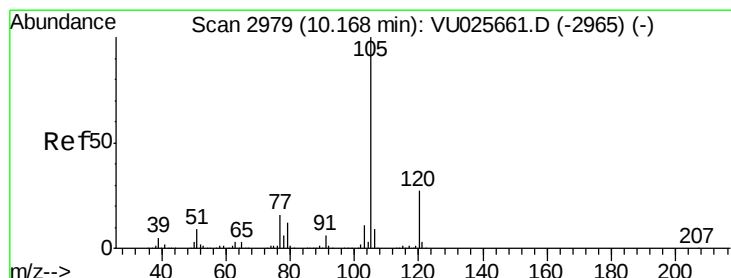
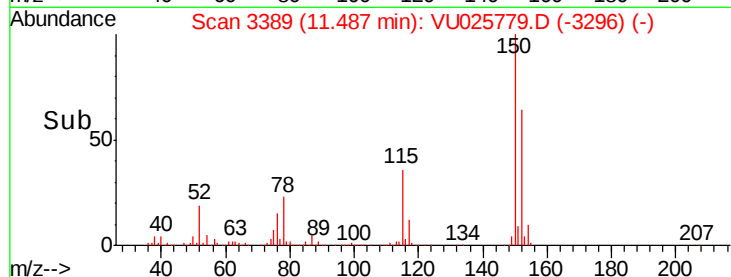
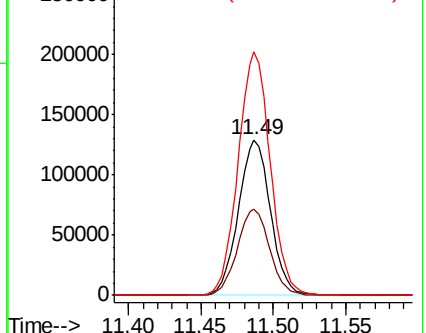
150 157.0 0.0 351.4



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

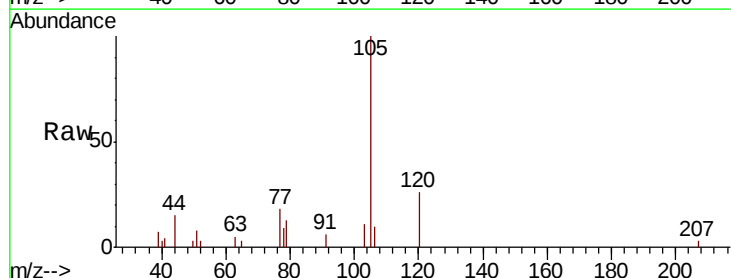
Acq: 01 Aug 2018 16:18

Tgt Ion:105 Resp: 5445

Ion Ratio Lower Upper

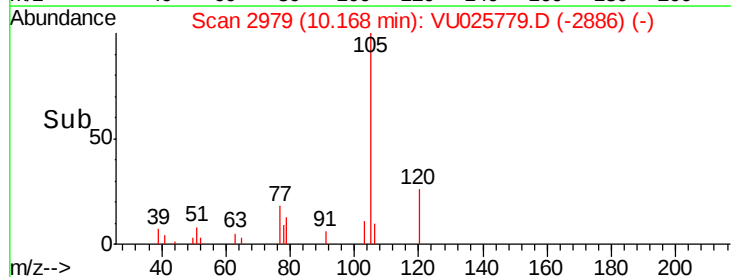
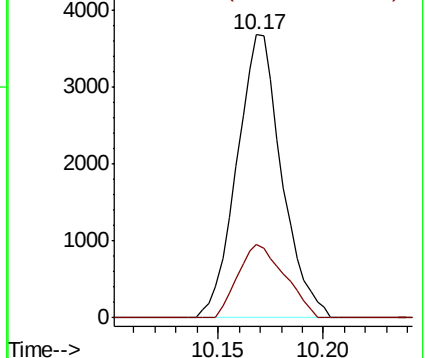
105 100

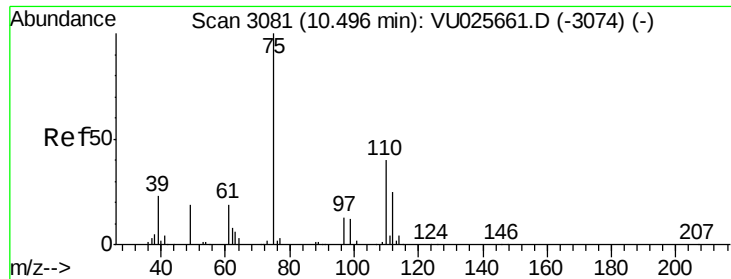
120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

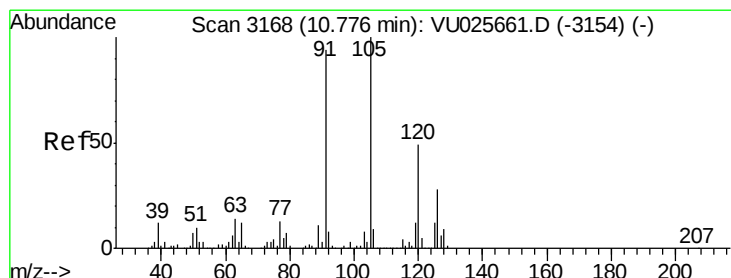
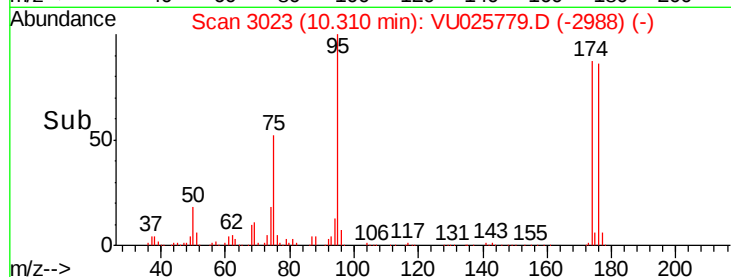
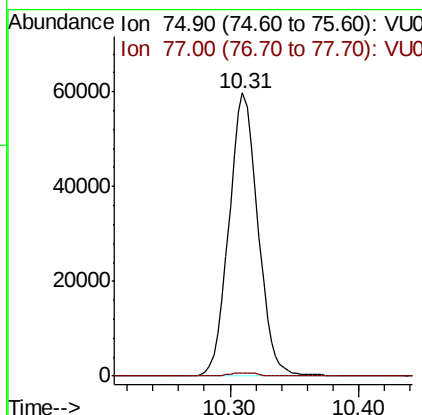
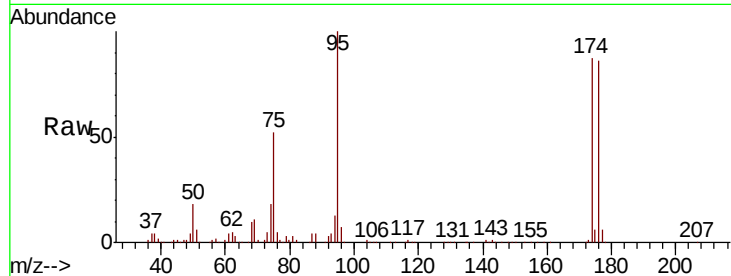




#76
 1,2,3-Trichloropropane
 Concen: 21.33 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025779.D
 Acq: 01 Aug 2018 16:18

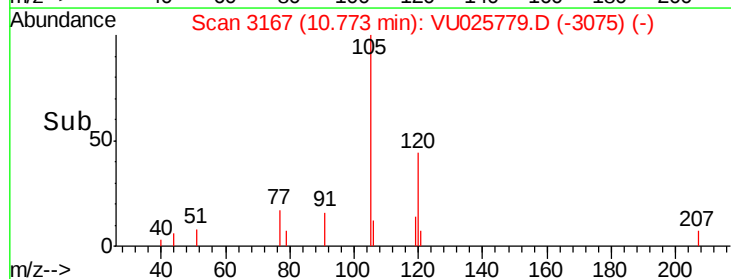
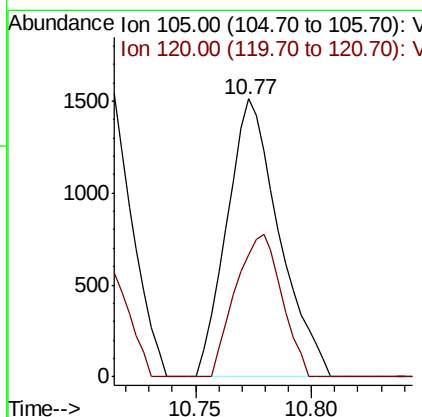
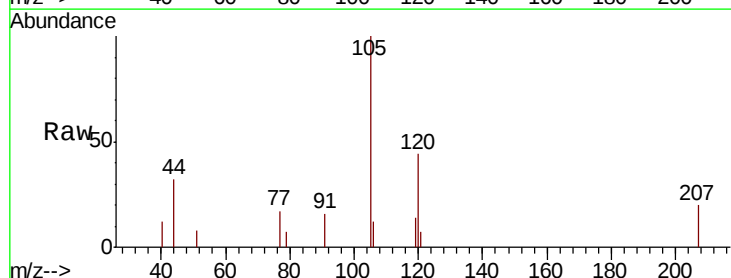
Instrument :
 MSVOA_U
 ClientSampleId :

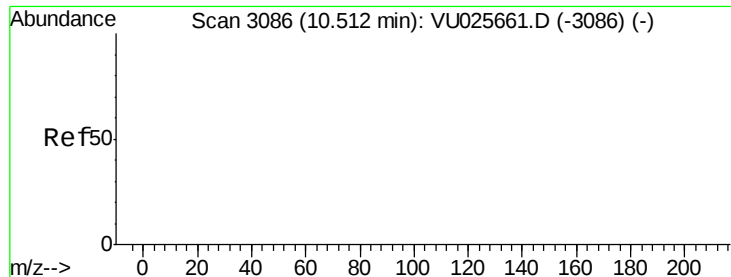
Tot Ion: 75 Resp: 93120
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.4 61.3#



#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

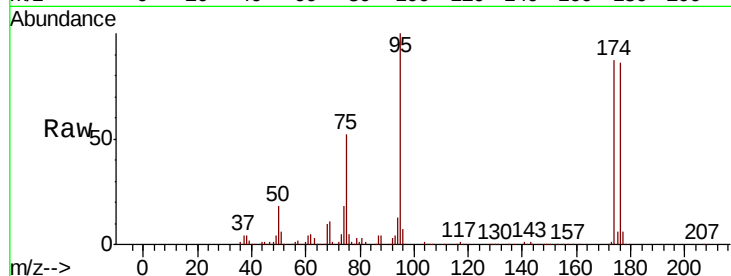




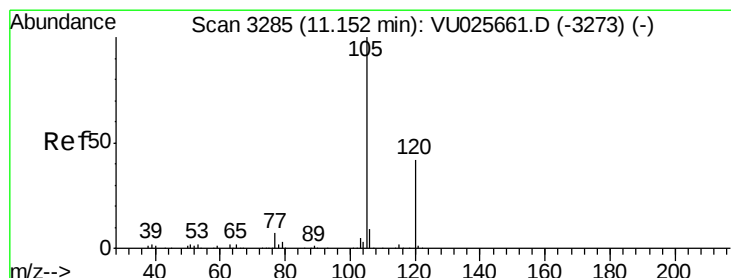
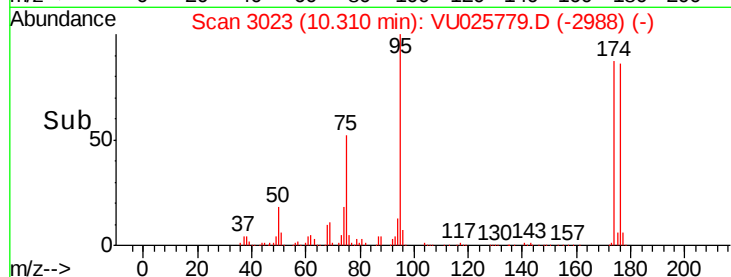
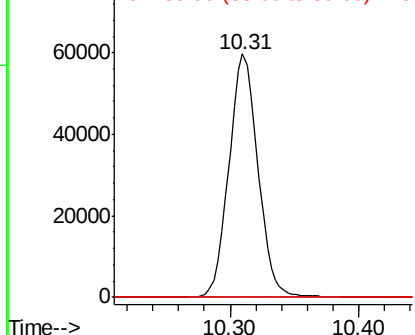
#81
trans-1,4-Dichloro-2-butene
Concen: 53.48 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.19 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

Instrument :
MSVOA_U
ClientSampled :

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

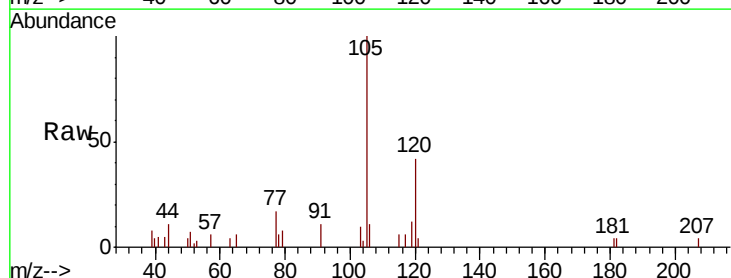


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

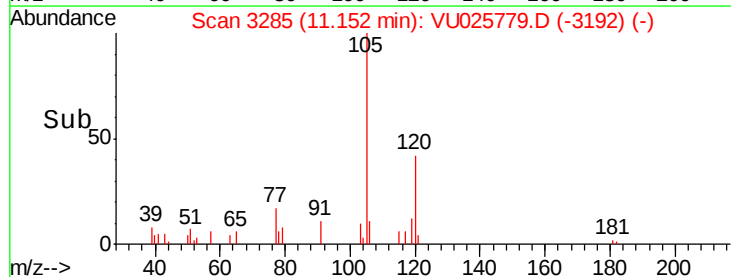
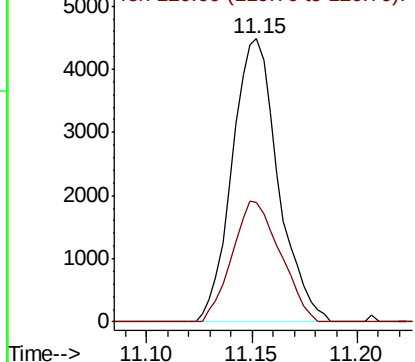


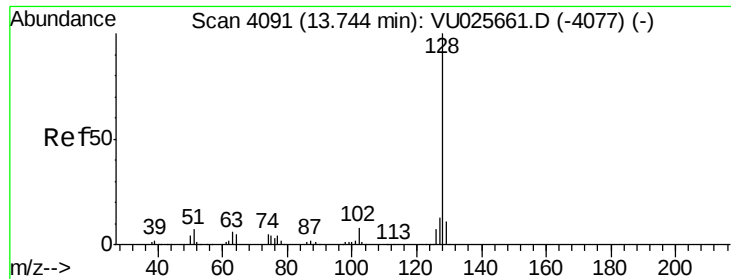
#84
1,2,4-Trimethylbenzene
Concen: 0.58 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. -0.00 min
Lab File: VU025779.D
Acq: 01 Aug 2018 16:18

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



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

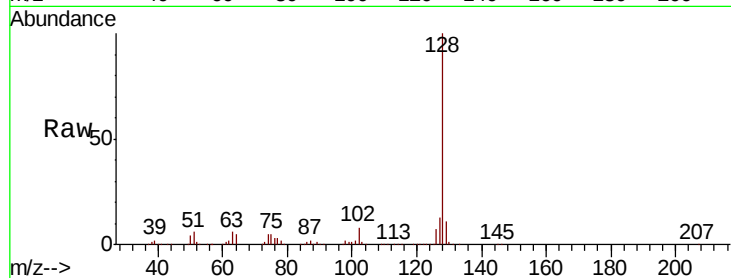




#95
 Naphthalene
 Concen: 36.53 ug/l
 RT: 13.74 min Scan# 4091
 Delta R.T. 0.00 min
 Lab File: VU025779.D
 Acq: 01 Aug 2018 16:18

Instrument :
 MSVOA_U
 ClientSampleId :

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

