

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050394.D
 Acq On : 6 Aug 2018 19:35
 Operator : MD\SY
 Sample : PB11760ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#09

Quant Time: Aug 07 05:50:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	630956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1069450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	930734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	387915	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	457323	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	
35) Dibromofluoromethane	7.59	113	403500	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	10.09	98	1440215	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	
62) 4-Bromofluorobenzene	12.40	95	432852	39.36	ug/l	0.00
Spiked Amount			Recovery	=	78.72%	

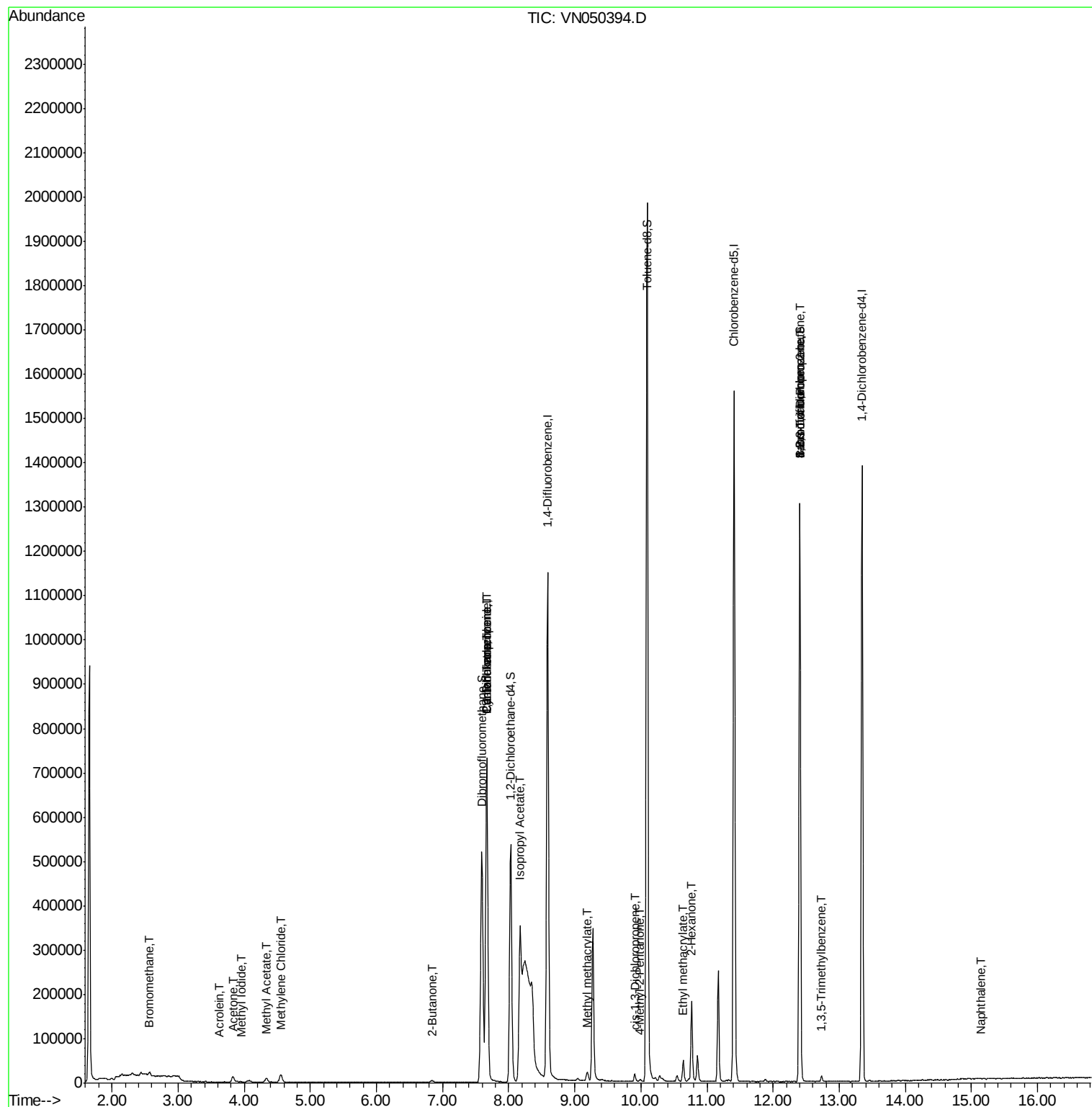
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3711	Below Cal		100
5) Bromomethane	2.57	94	4916	1.28	ug/l	96
10) Methyl Iodide	3.96	142	1713	0.54	ug/l #	83
13) Acrolein	3.62	56	107	15.14	ug/l #	15
16) Acetone	3.82	43	20551	7.83	ug/l	97
18) Methyl Acetate	4.34	43	16980	2.42	ug/l	99
20) Methylene Chloride	4.55	84	13536	0.22	ug/l	98
25) 2-Butanone	6.85	43	4355	1.04	ug/l	98
31) Cyclohexane	7.67	56	11795	0.35	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44265	3.77	ug/l #	49
38) Carbon Tetrachloride	7.67	117	55768	4.55	ug/l #	18
43) Isopropyl Acetate	8.17	43	462822	31.68	ug/l #	90
48) Methyl methacrylate	9.18	41	10844	1.48	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	2402	0.23	ug/l	98
54) cis-1,3-Dichloropropene	9.91	75	2873	0.21	ug/l #	70
56) Ethyl methacrylate	10.64	69	794	1.77	ug/l #	1
59) 2-Hexanone	10.77	43	24946	3.40	ug/l #	56
71) Bromoform	12.41	173	2848	0.46	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	209225	29.80	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5901	0.25	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	209225	104.69	ug/l #	13
95) Naphthalene	15.14	128	678	3.65	ug/l #	69

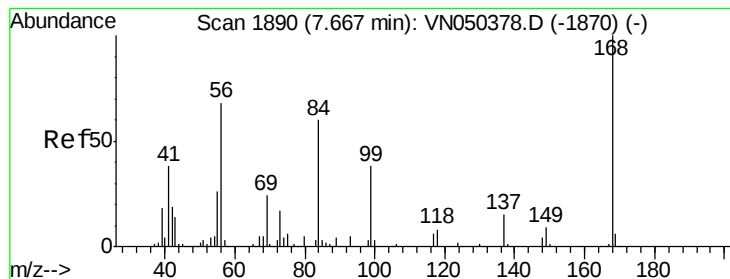
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050394.D

Acq: 6 Aug 2018 19:35

Instrument :

MSVOA_N

ClientSampleId :

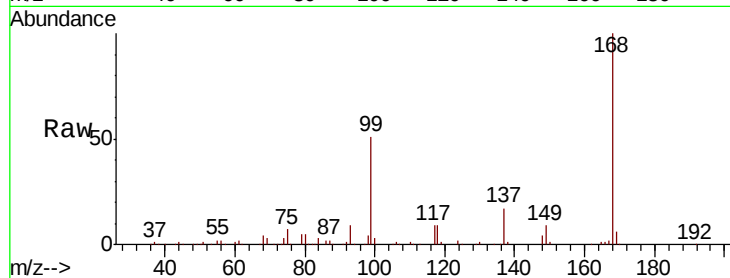
PB11760ZHE#09

Tot Ion:168 Resp: 630956

Ion Ratio Lower Upper

168 100

99 50.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

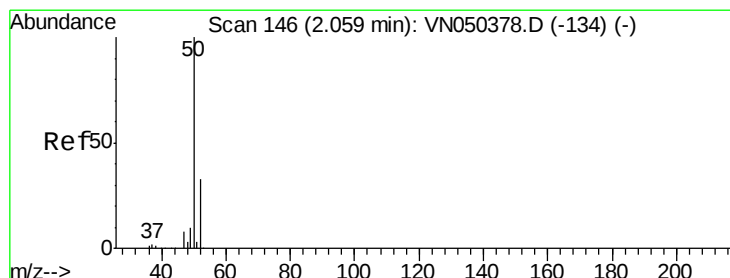
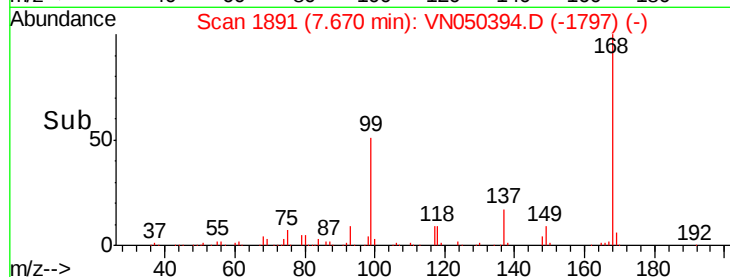
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050394.D

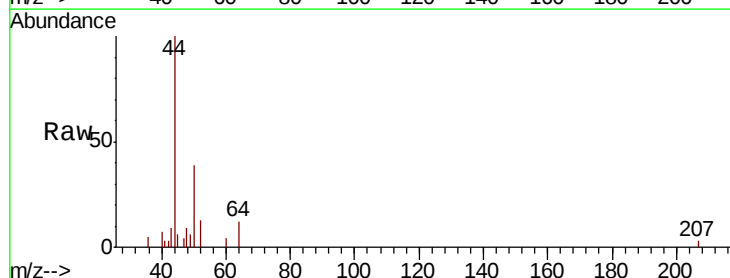
Acq: 6 Aug 2018 19:35

Tgt Ion: 50 Resp: 3711

Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

3000

2500

2000

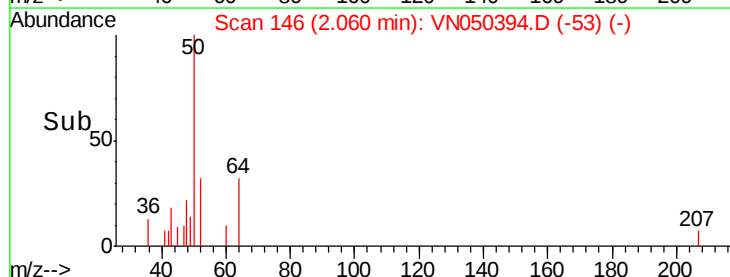
1500

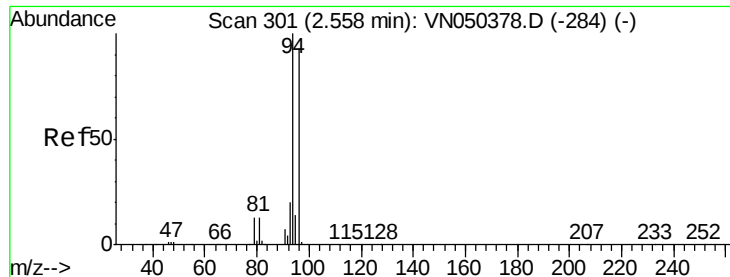
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.28 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050394.D

Acq: 6 Aug 2018 19:35

Instrument :

MSVOA_N

ClientSampleId :

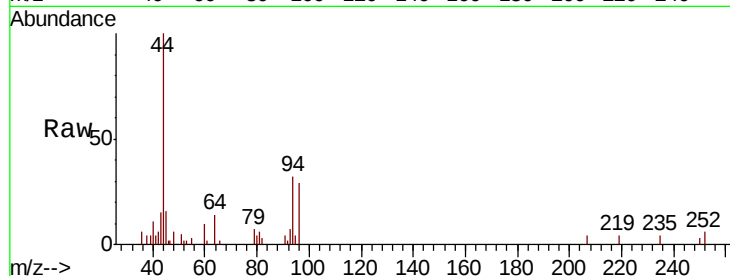
PB11760ZHE#09

Tot Ion: 94 Resp: 4916

Ion Ratio Lower Upper

94 100

96 89.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050378.D (-284) (-)

2.57

2500

2000

1500

1000

500

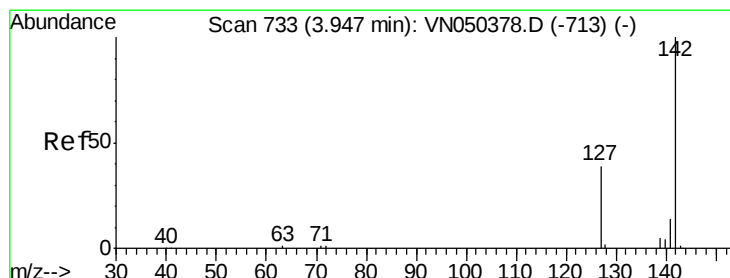
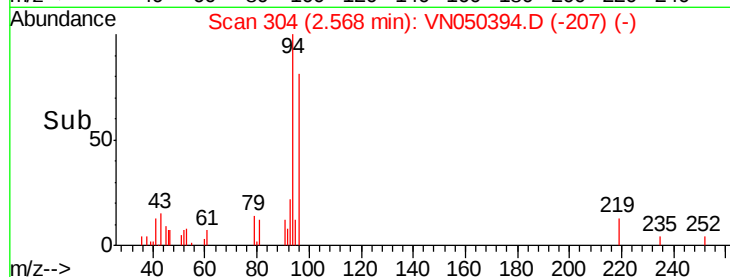
0

2.50

2.55

2.60

Time-->



#10

Methyl Iodide

Concen: 0.54 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN050394.D

Acq: 6 Aug 2018 19:35

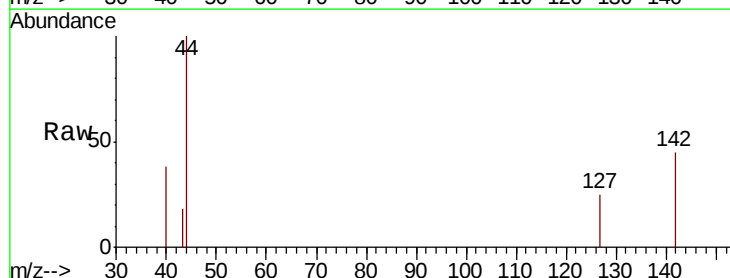
Tgt Ion: 142 Resp: 1713

Ion Ratio Lower Upper

142 100

127 35.1 33.4 50.2

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050378.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050378.D (-713) (-)

800

600

400

200

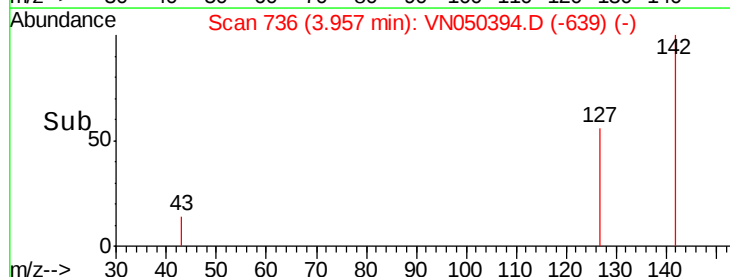
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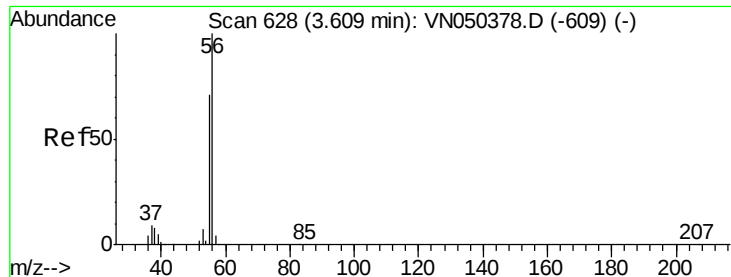
3.90

3.95

4.00

Time-->





#13

Acrolein

Concen: 15.14 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN050394.D

Acq: 6 Aug 2018 19:35

Instrument :

MSVOA_N

ClientSampleId :

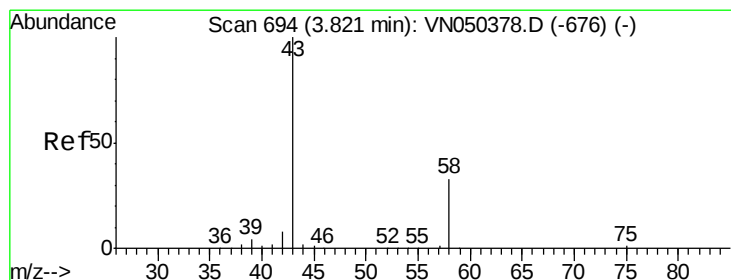
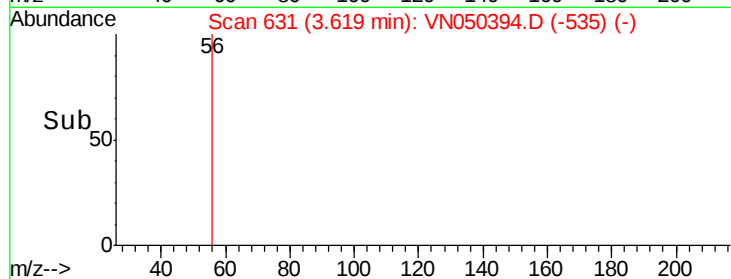
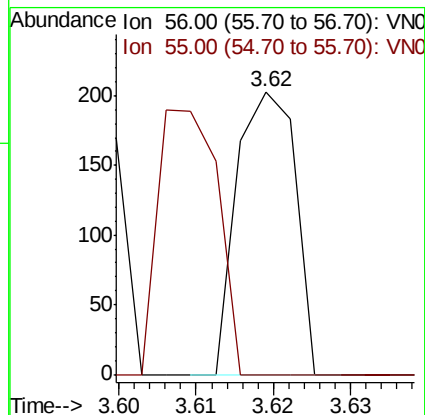
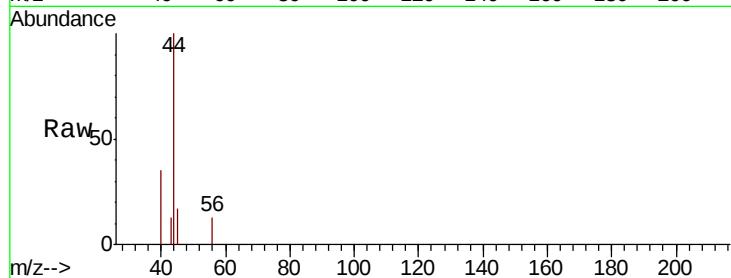
PB11760ZHE#09

Tot Ion: 56 Resp: 107

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.6#



#16

Acetone

Concen: 7.83 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050394.D

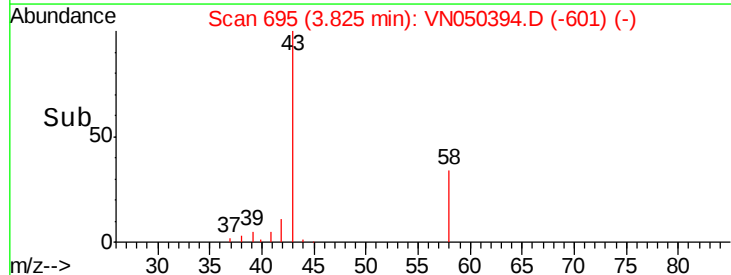
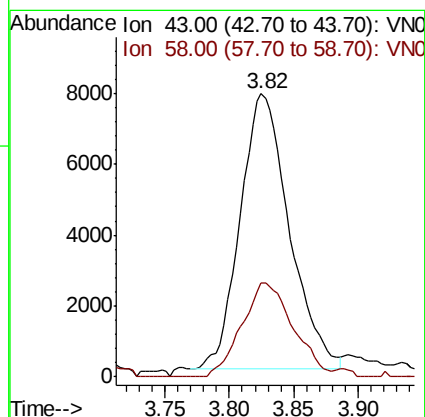
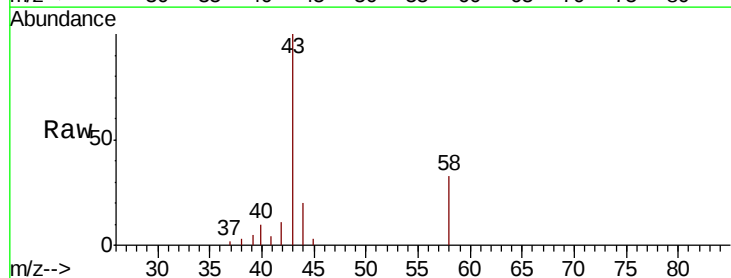
Acq: 6 Aug 2018 19:35

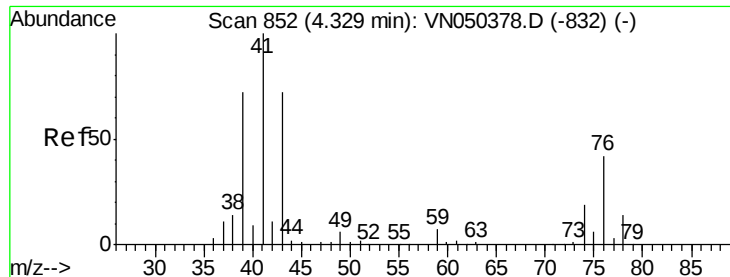
Tgt Ion: 43 Resp: 20551

Ion Ratio Lower Upper

43 100

58 34.2 25.8 38.8

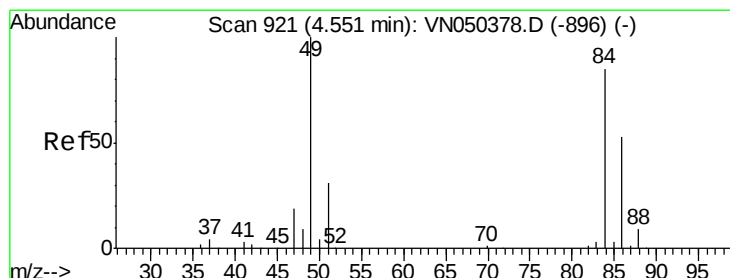
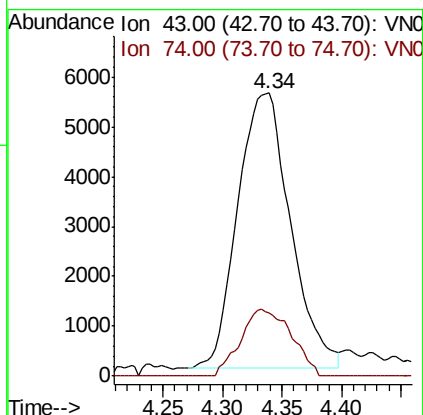
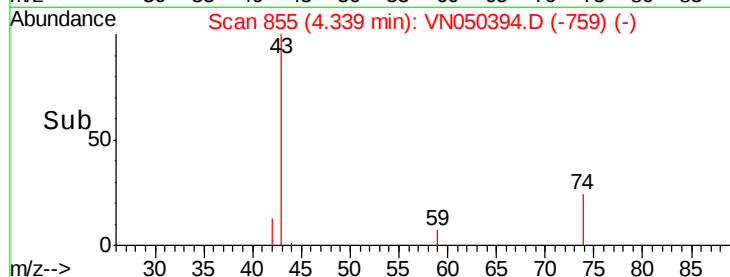
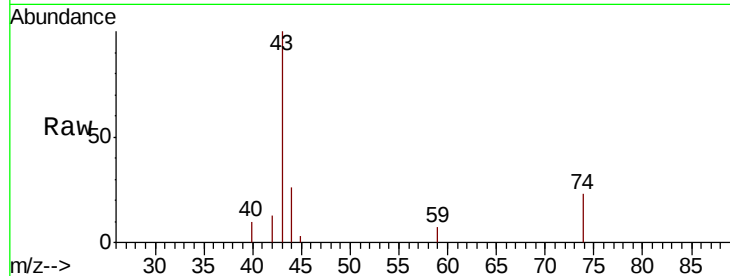




#18
Methyl Acetate
Concen: 2.42 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050394.D
Acq: 6 Aug 2018 19:35

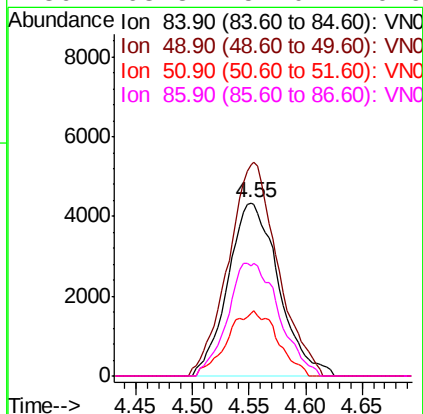
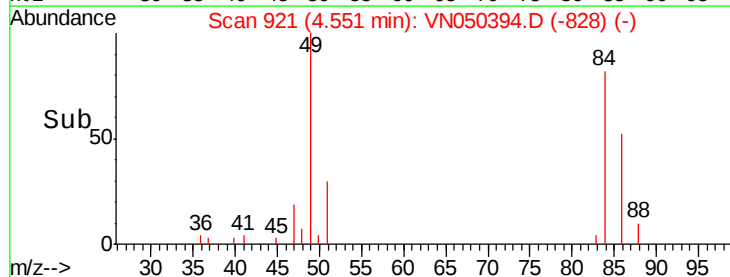
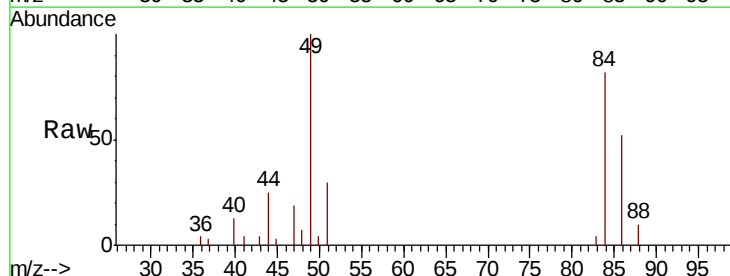
Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#09

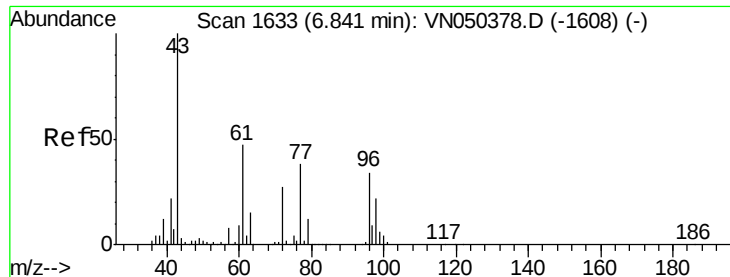
Tot Ion: 43 Resp: 16980
Ion Ratio Lower Upper
43 100
74 23.4 19.2 28.8



#20
Methylene Chloride
Concen: 0.22 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050394.D
Acq: 6 Aug 2018 19:35

Tgt Ion: 84 Resp: 13536
Ion Ratio Lower Upper
84 100
49 121.8 94.8 142.2
51 36.4 28.3 42.5
86 63.8 51.0 76.6

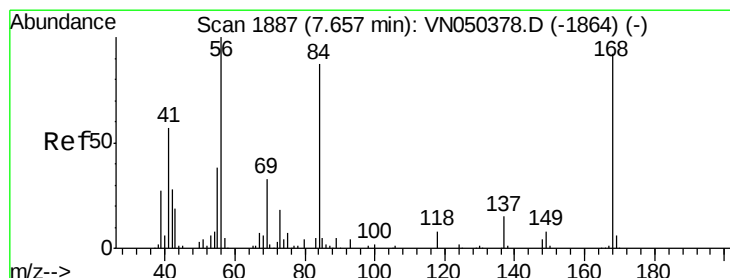
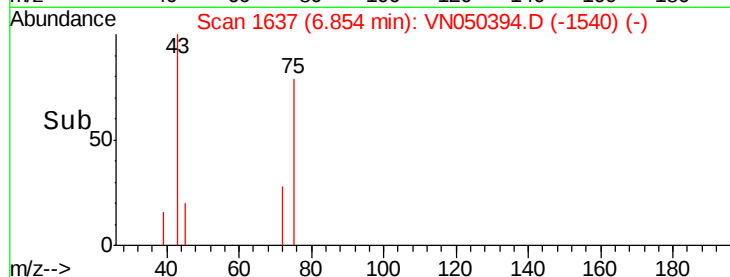
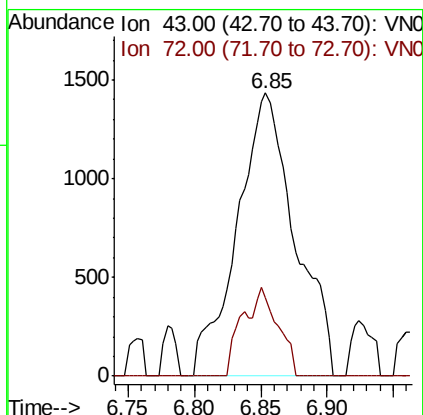
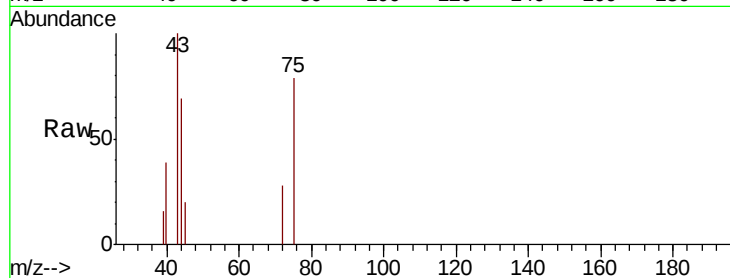




#25
2-Butanone
Concen: 1.04 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050394.D
Acq: 6 Aug 2018 19:35

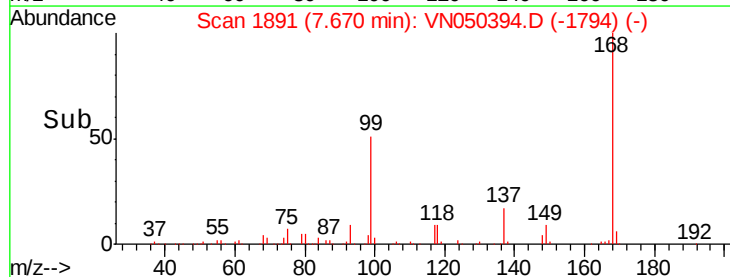
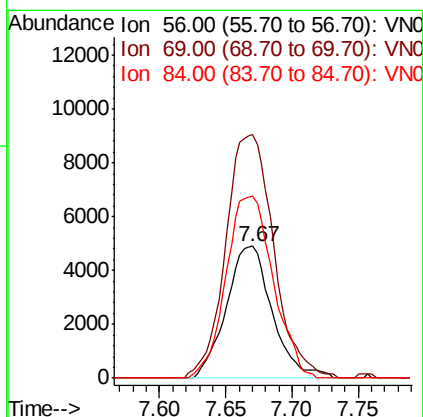
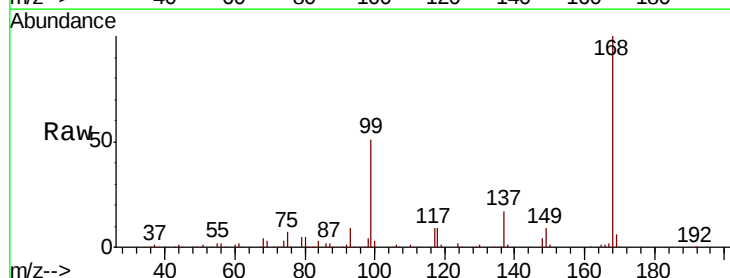
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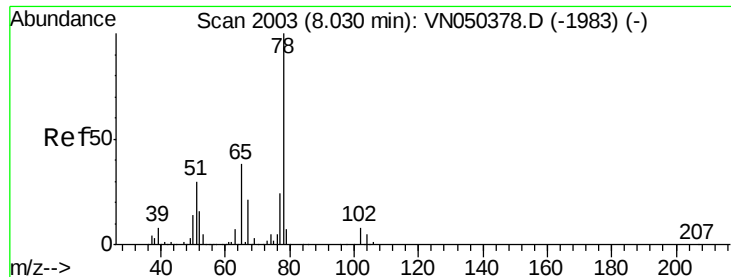
Tot Ion: 43 Resp: 4355
Ion Ratio Lower Upper
43 100
72 28.0 21.5 32.3



#31
Cyclohexane
Concen: 0.35 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050394.D
Acq: 6 Aug 2018 19:35

Tgt Ion: 56 Resp: 11795
Ion Ratio Lower Upper
56 100
69 184.8 26.2 39.4#
84 138.1 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 54.25 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050394.D

Acq: 6 Aug 2018 19:35

Instrument :

MSVOA_N

ClientSampleId :

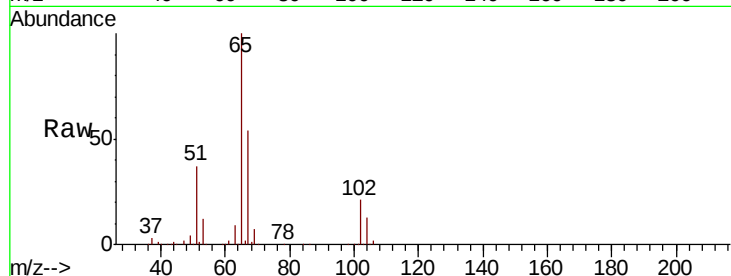
PB11760ZHE#09

Tot Ion: 65 Resp: 457323

Ion Ratio Lower Upper

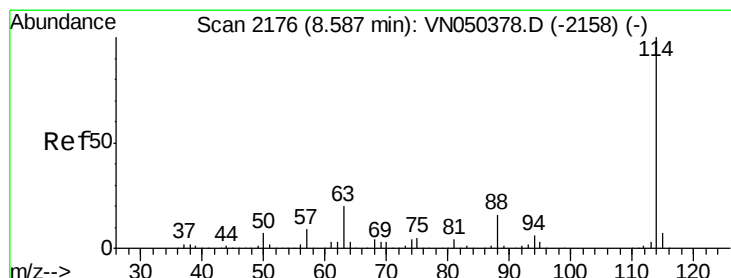
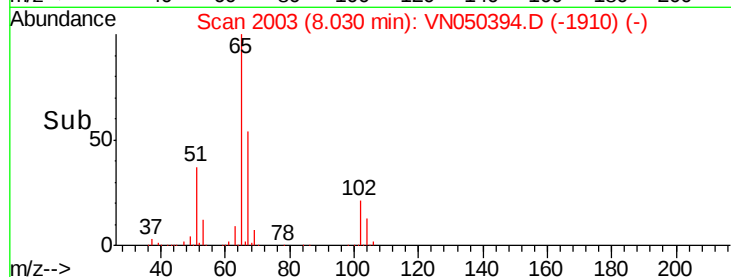
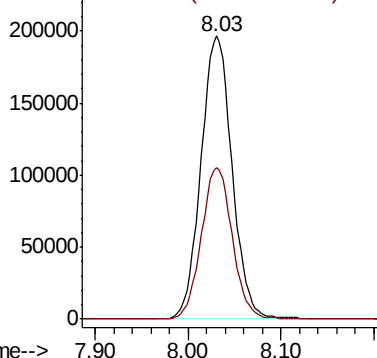
65 100

67 53.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050394.D

Acq: 6 Aug 2018 19:35

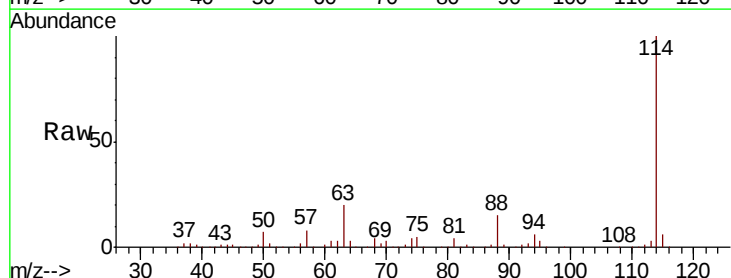
Tgt Ion:114 Resp: 1069450

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

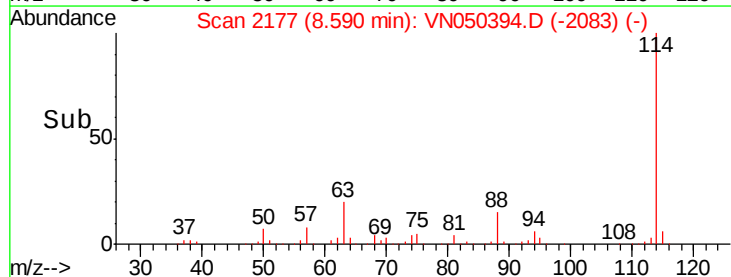
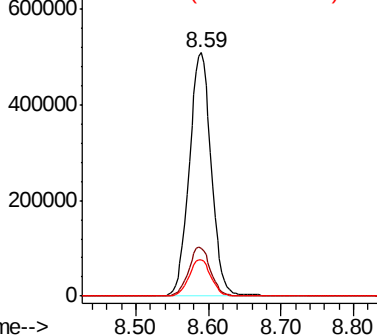
88 15.1 0.0 31.2

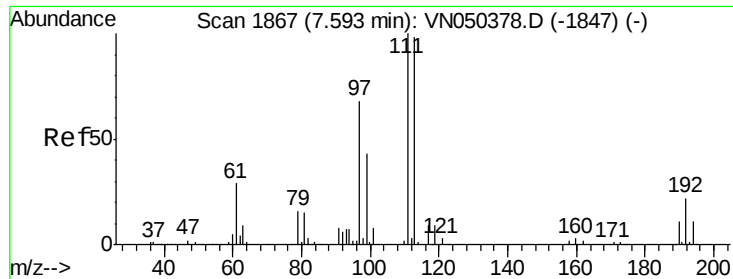


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

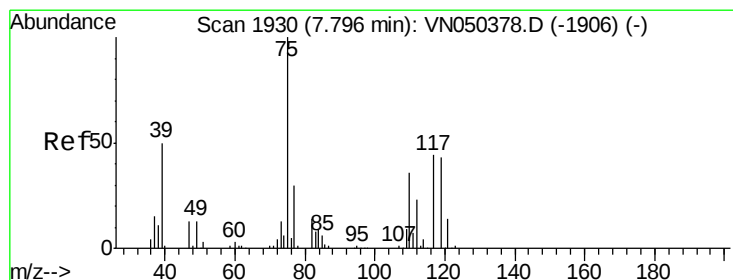
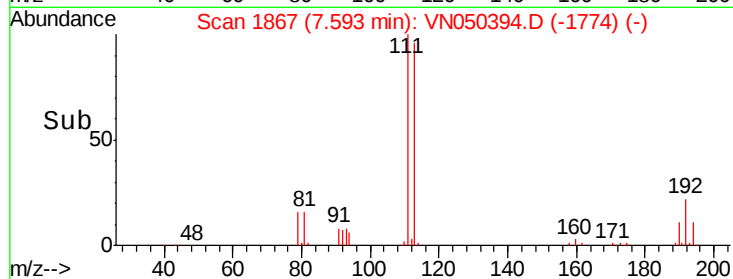
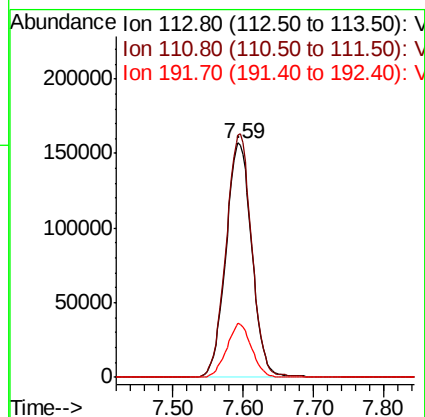
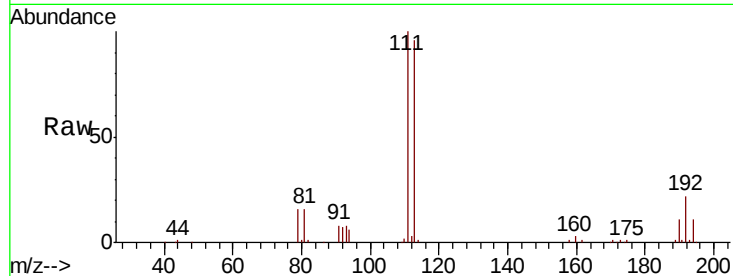




#35
 Dibromofluoromethane
 Concen: 47.02 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050394.D
 Acq: 6 Aug 2018 19:35

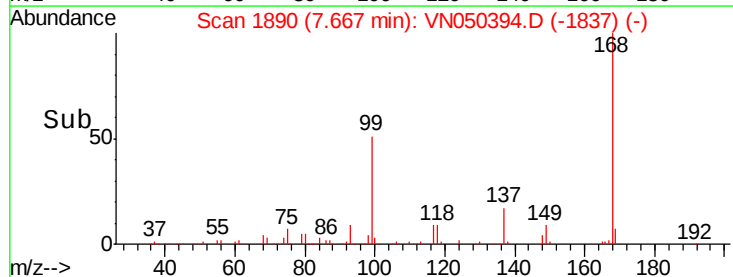
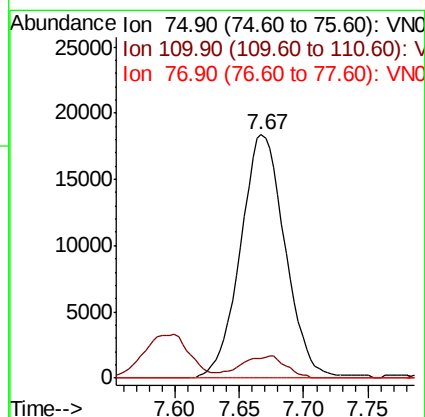
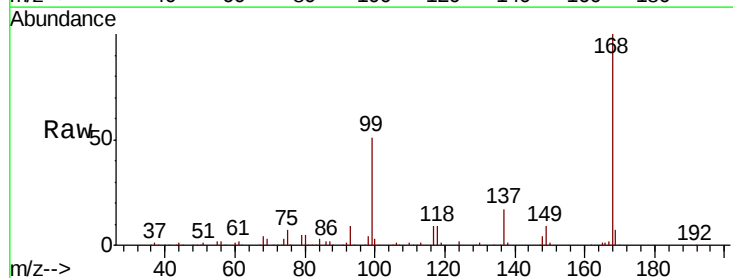
Instrument :
 MSVOA_N
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 PB11760ZHE#09

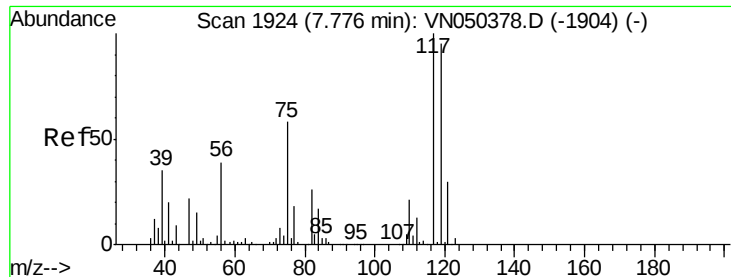
Tot Ion:113 Resp: 403500
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.7 121.1
 192 22.0 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050394.D
 Acq: 6 Aug 2018 19:35

Tgt Ion: 75 Resp: 44265
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.55 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050394.D

Acq: 6 Aug 2018 19:35

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#09

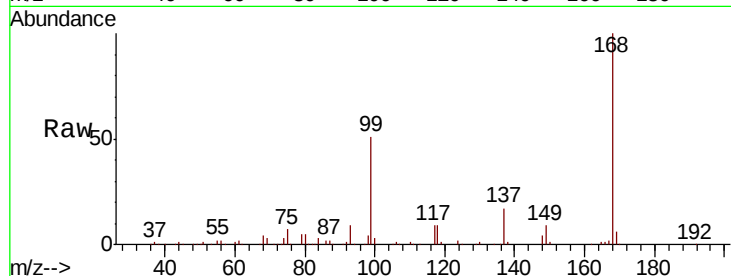
Tot Ion:117 Resp: 55768

Ion Ratio Lower Upper

117 100

119 8.4 77.4 116.0#

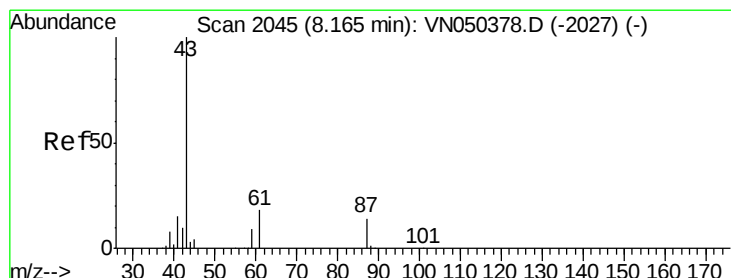
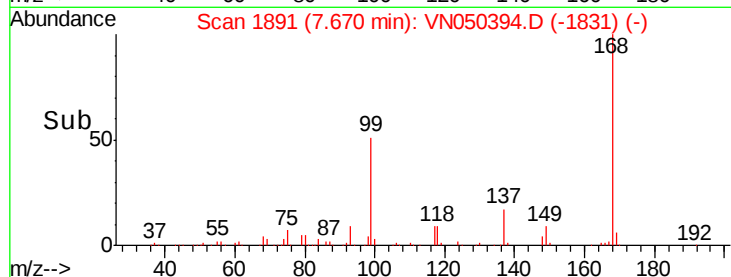
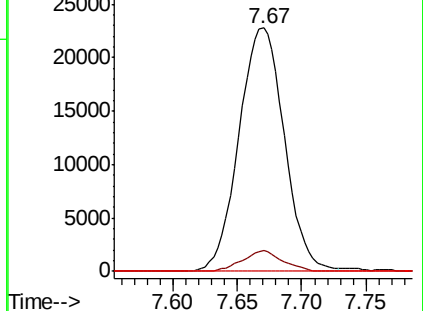
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 31.68 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.01 min

Lab File: VN050394.D

Acq: 6 Aug 2018 19:35

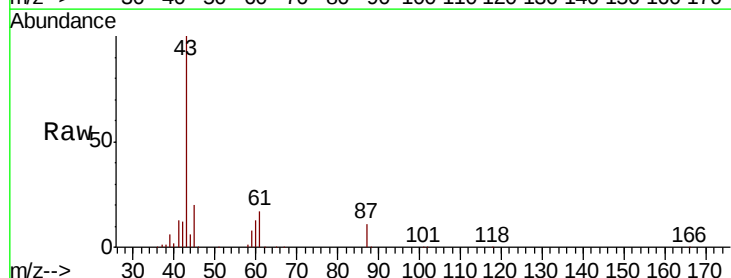
Tgt Ion: 43 Resp: 462822

Ion Ratio Lower Upper

43 100

61 15.0 15.8 23.6#

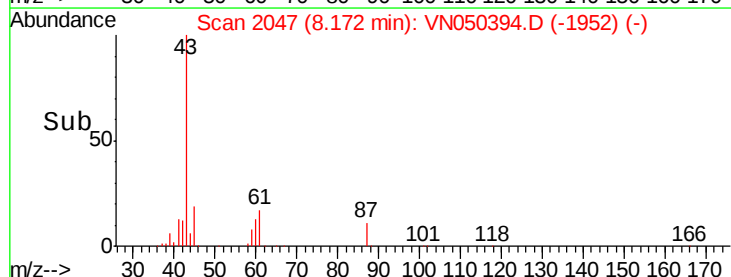
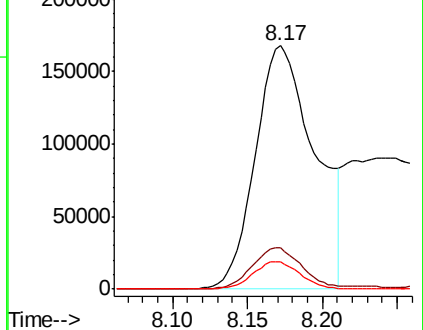
87 9.1 10.3 15.5#

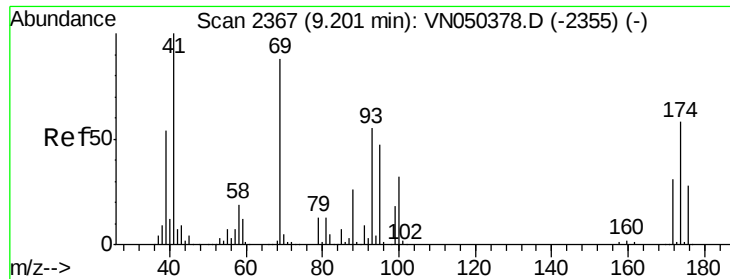


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

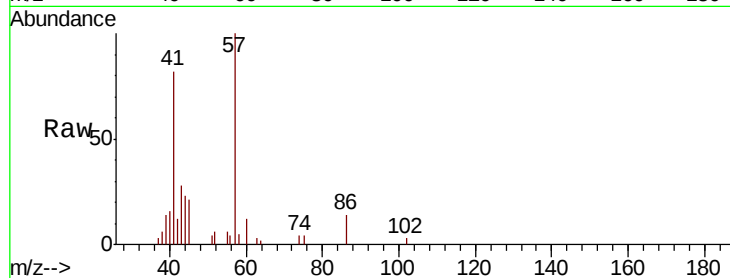




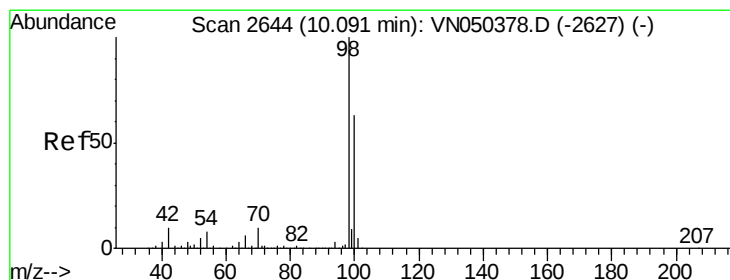
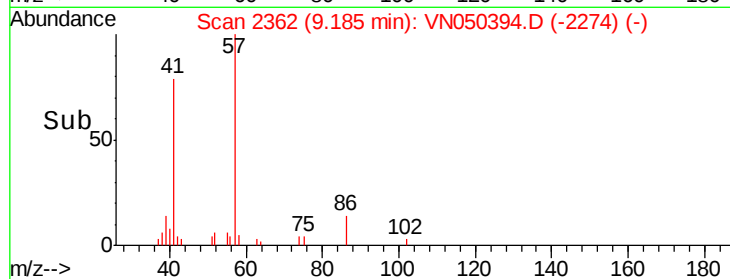
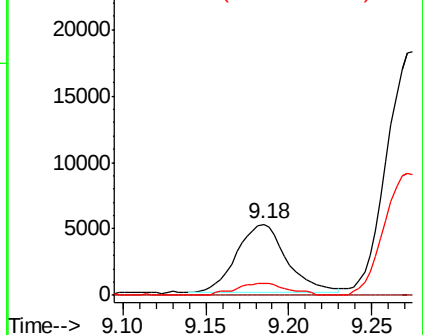
#48
Methvl methacrylate
Concen: 1.48 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050394.D
Acq: 6 Aug 2018 19:35

Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#09

Tot Ion: 41 Resp: 10844
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 18.1 43.9 65.9#

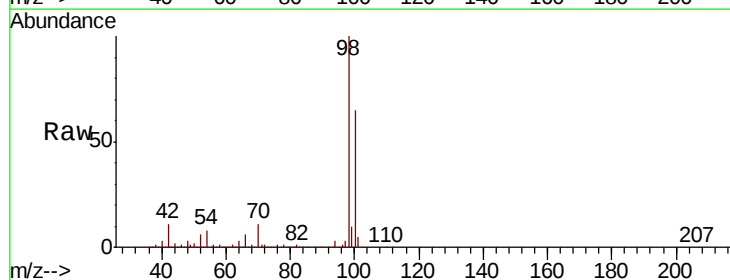


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

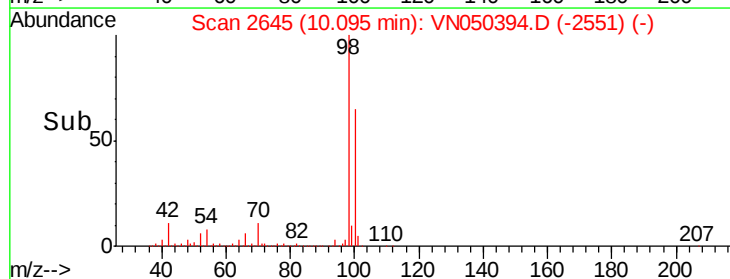
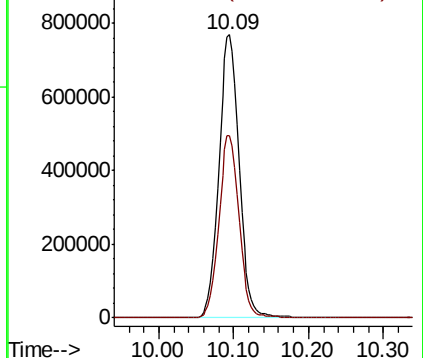


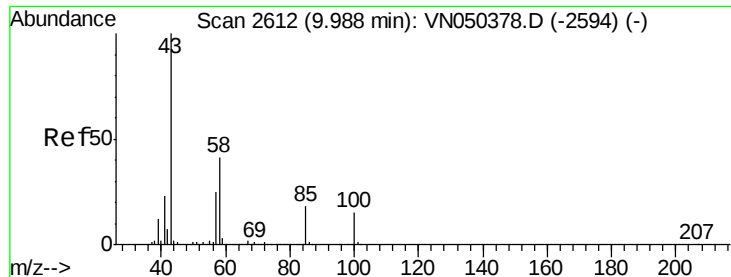
#50
Toluene-d8
Concen: 44.64 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050394.D
Acq: 6 Aug 2018 19:35

Tgt Ion: 98 Resp: 1440215
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

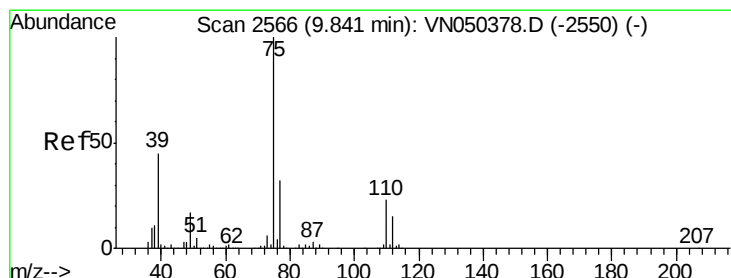
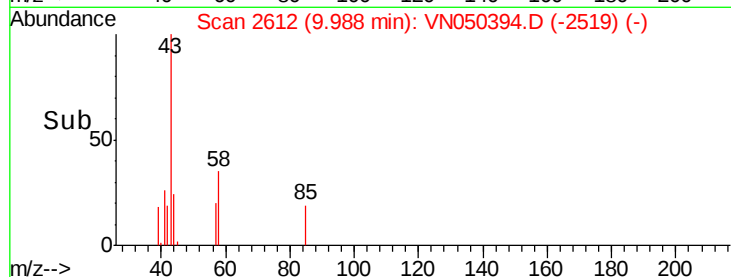
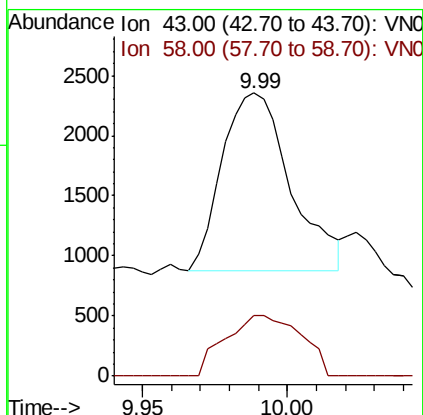
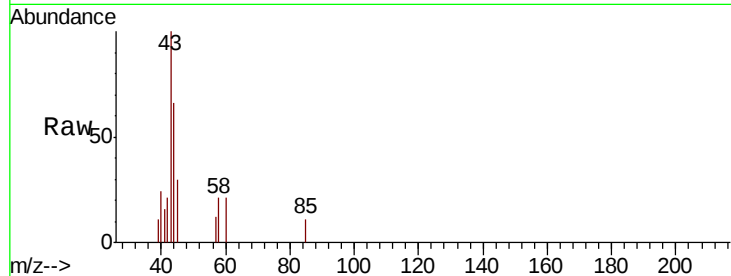




#51
 4-Methyl-2-Pentanone
 Concen: 0.23 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN050394.D
 Acq: 6 Aug 2018 19:35

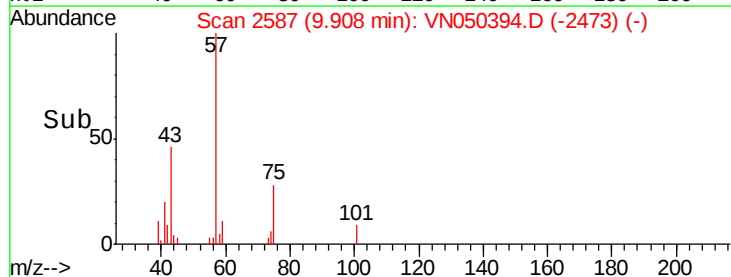
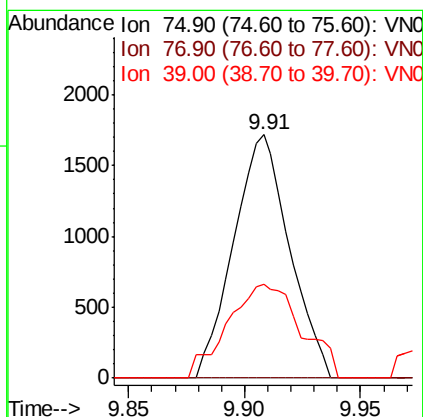
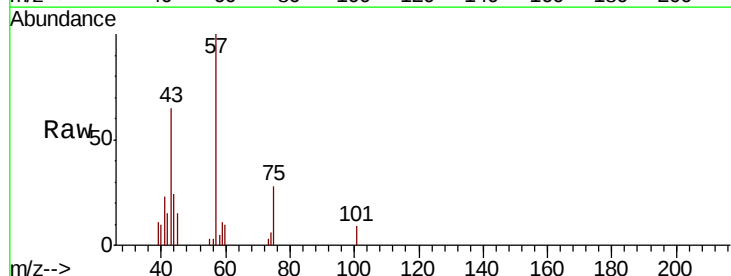
Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#09

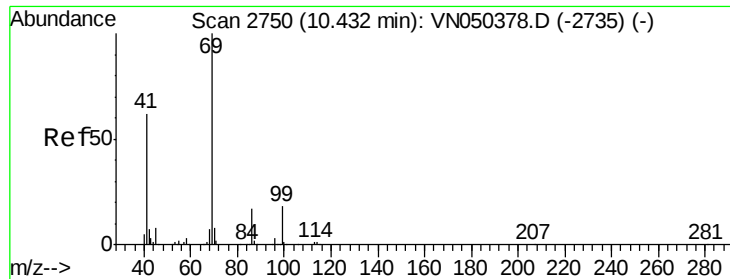
Tot Ion: 43 Resp: 2402
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.9 47.9



#54
 cis-1,3-Dichloropropene
 Concen: 0.21 ug/l
 RT: 9.91 min Scan# 2587
 Delta R.T. 0.07 min
 Lab File: VN050394.D
 Acq: 6 Aug 2018 19:35

Tgt Ion: 75 Resp: 2873
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 38.7 36.6 55.0





#56

Ethyl methacrylate

Concen: 1.77 ug/l

RT: 10.64 min Scan# 2815

Delta R.T. 0.21 min

Lab File: VN050394.D

Acq: 6 Aug 2018 19:35

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#09

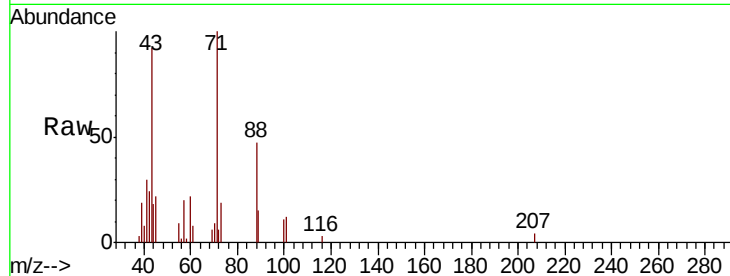
Tot Ion: 69 Resp: 794

Ion Ratio Lower Upper

69 100

41 676.6 51.0 76.4#

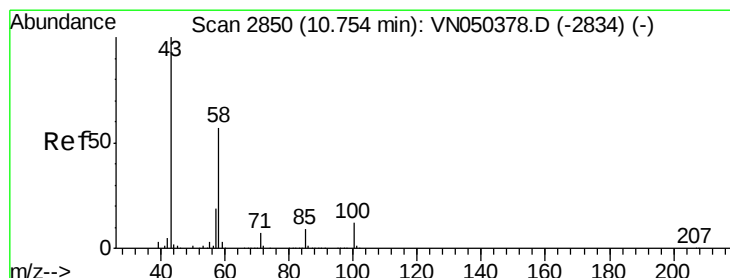
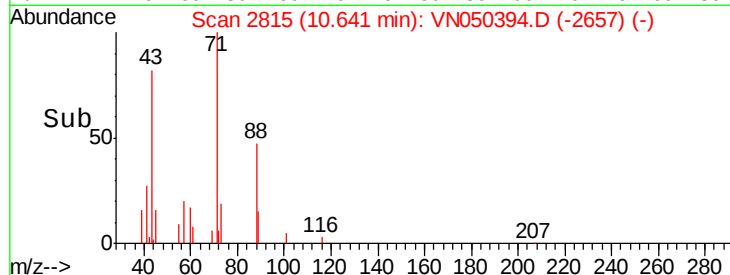
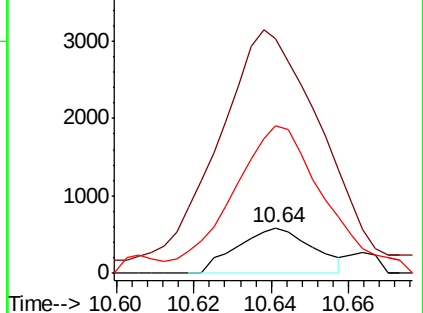
39 398.2 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 3.40 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050394.D

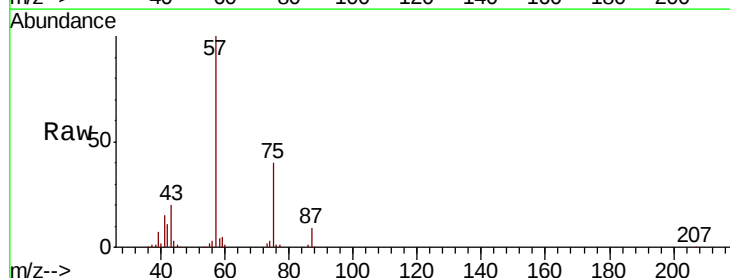
Acq: 6 Aug 2018 19:35

Tgt Ion: 43 Resp: 24946

Ion Ratio Lower Upper

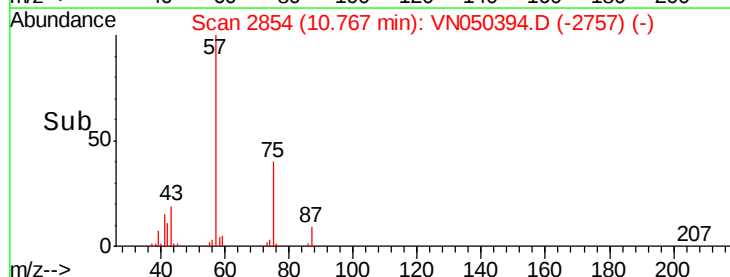
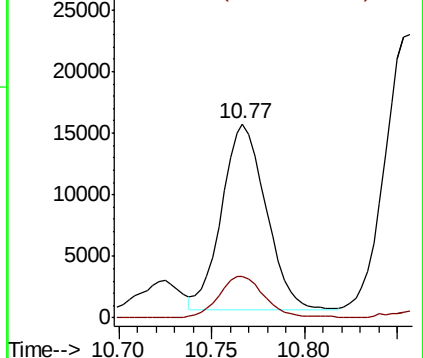
43 100

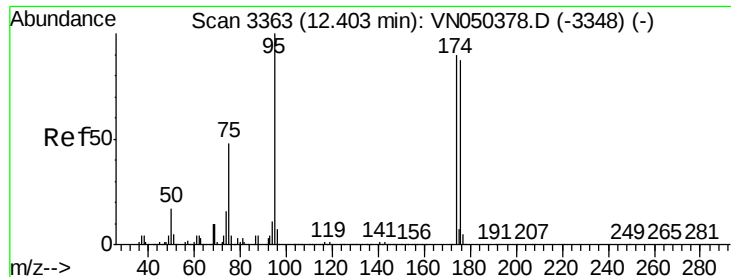
58 23.6 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

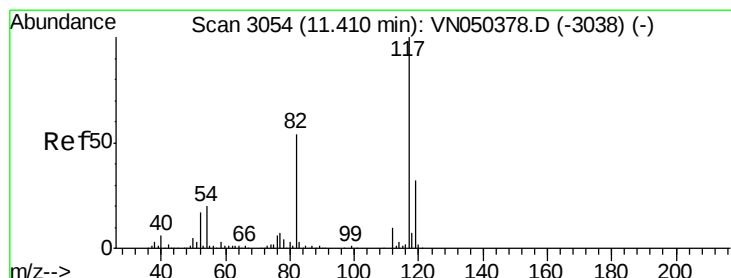
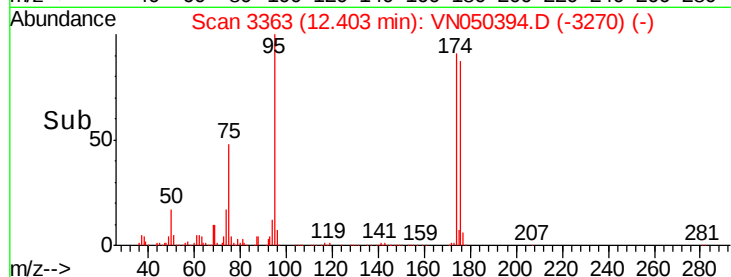
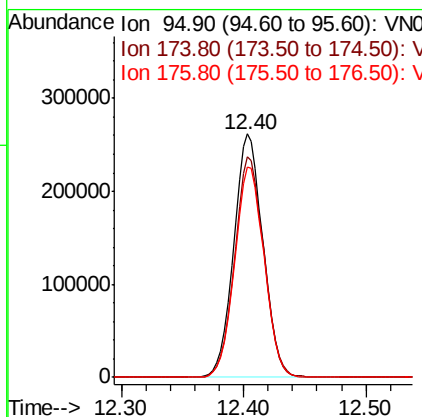
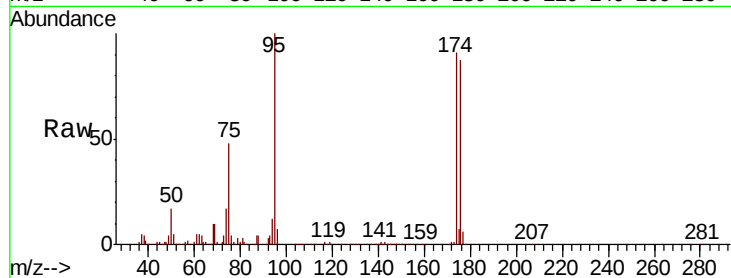




#62
4-Bromofluorobenzene
Concen: 39.36 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050394.D
Acq: 6 Aug 2018 19:35

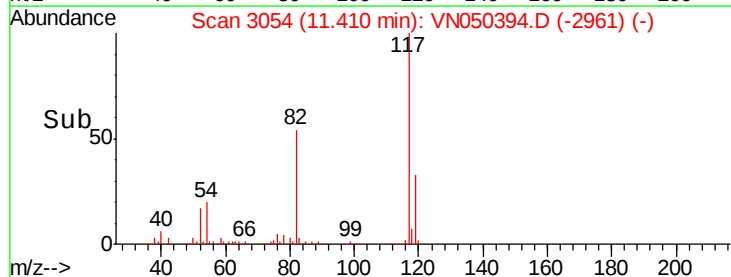
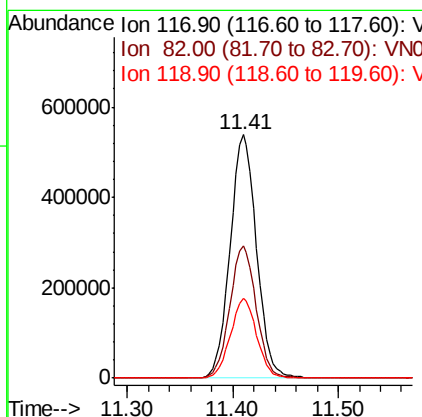
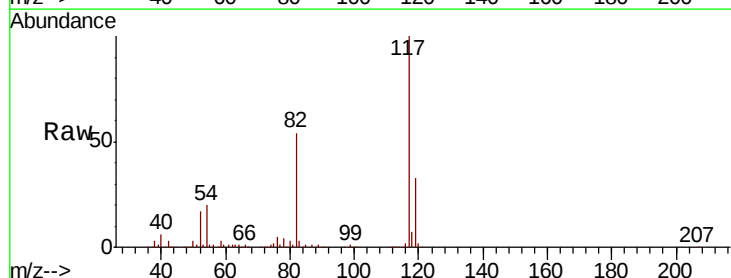
Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#09

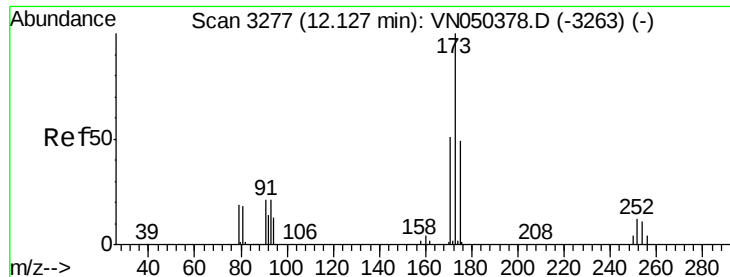
Tot Ion: 95 Resp: 432852
Ion Ratio Lower Upper
95 100
174 90.9 0.0 178.2
176 87.3 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050394.D
Acq: 6 Aug 2018 19:35

Tgt Ion: 117 Resp: 930734
Ion Ratio Lower Upper
117 100
82 54.3 43.7 65.5
119 32.6 26.1 39.1





#71

Bromoform

Concen: 0.46 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN050394.D

Acq: 6 Aug 2018 19:35

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#09

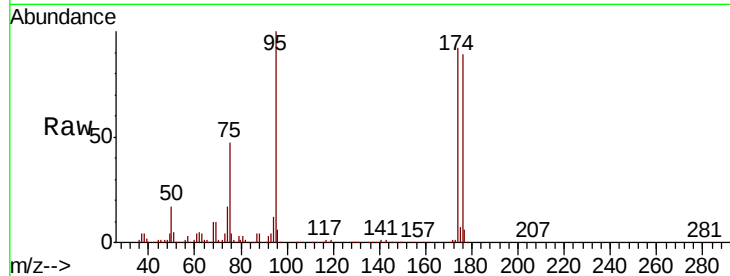
Tot Ion:173 Resp: 2848

Ion Ratio Lower Upper

173 100

175 836.5 24.1 72.2#

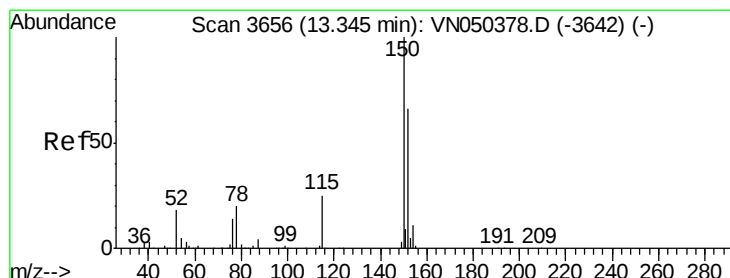
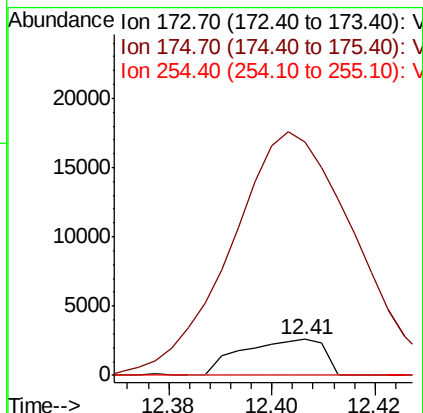
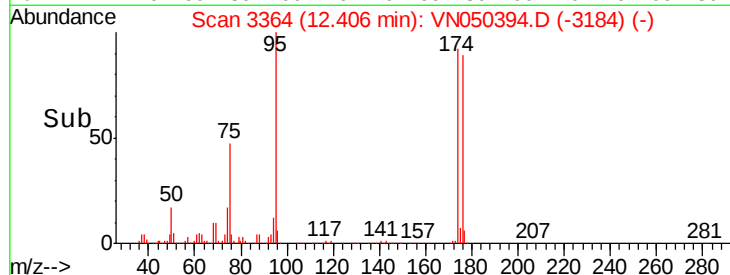
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050394.D

Acq: 6 Aug 2018 19:35

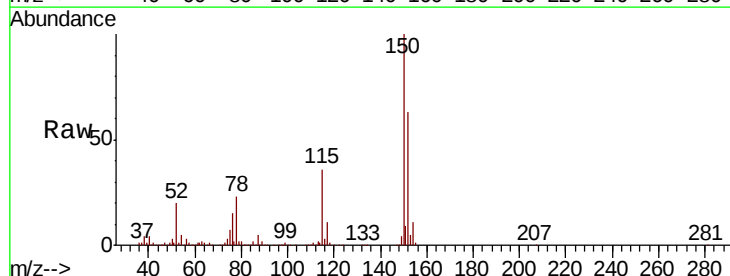
Tgt Ion:152 Resp: 387915

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.3

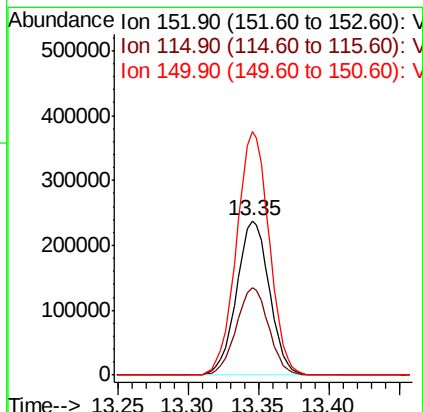
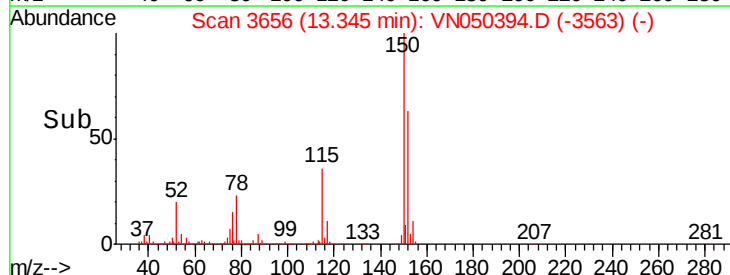
150 157.1 0.0 348.6

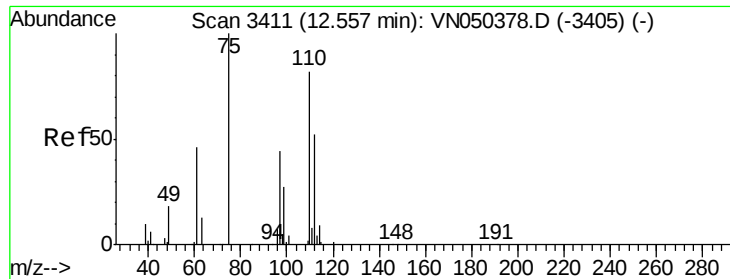


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.80 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050394.D

Acq: 6 Aug 2018 19:35

Instrument :

MSVOA_N

ClientSampleId :

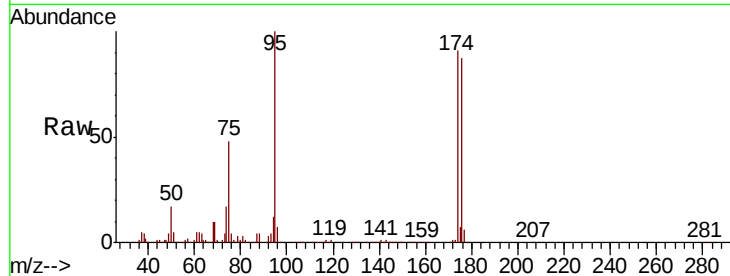
PB11760ZHE#09

Tot Ion: 75 Resp: 209225

Ion Ratio Lower Upper

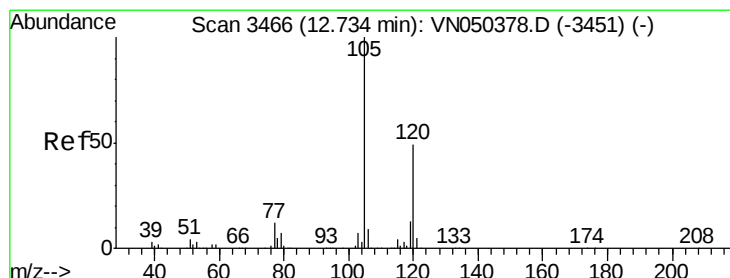
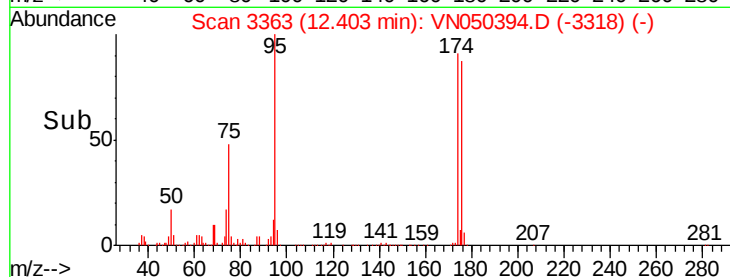
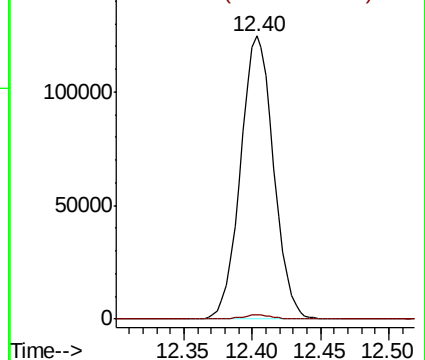
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.25 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050394.D

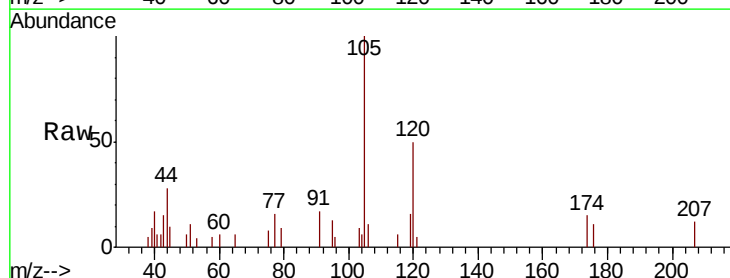
Acq: 6 Aug 2018 19:35

Tgt Ion:105 Resp: 5901

Ion Ratio Lower Upper

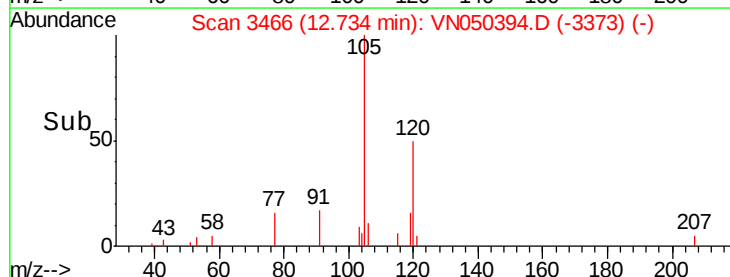
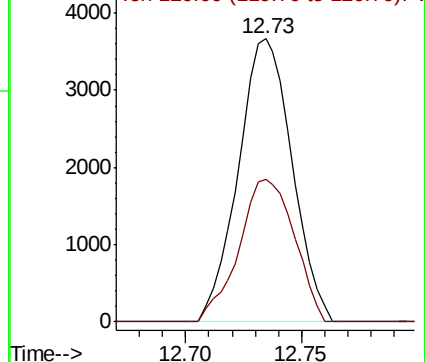
105 100

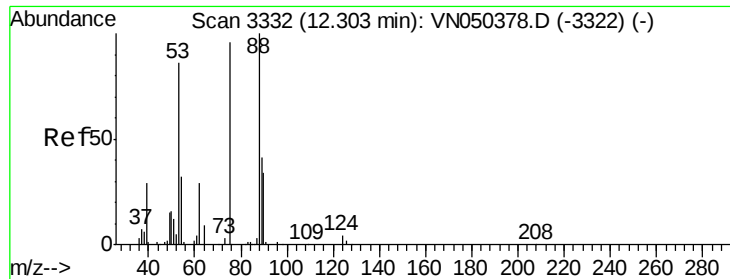
120 52.0 24.4 73.2



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: 104.69 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050394.D

Acq: 6 Aug 2018 19:35

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#09

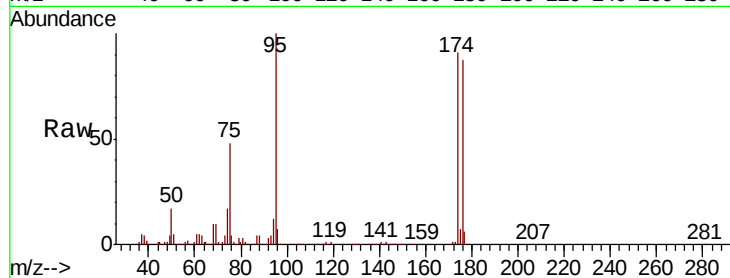
Tot Ion: 75 Resp: 209225

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

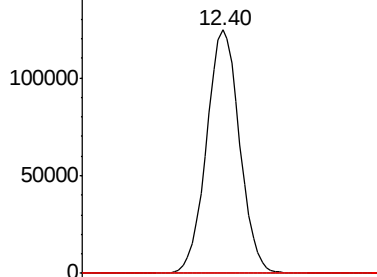
89 0.0 36.0 54.0#



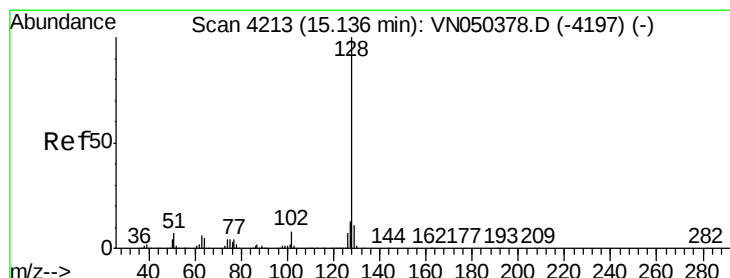
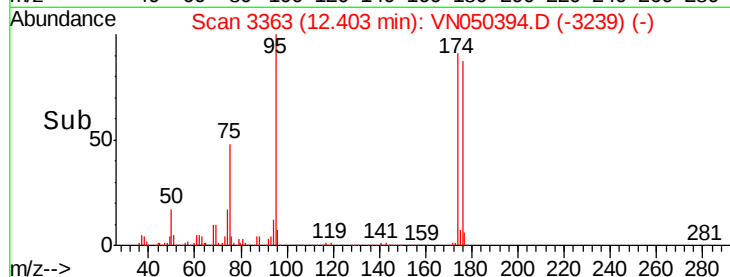
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->



#95

Naphthalene

Concen: 3.65 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050394.D

Acq: 6 Aug 2018 19:35

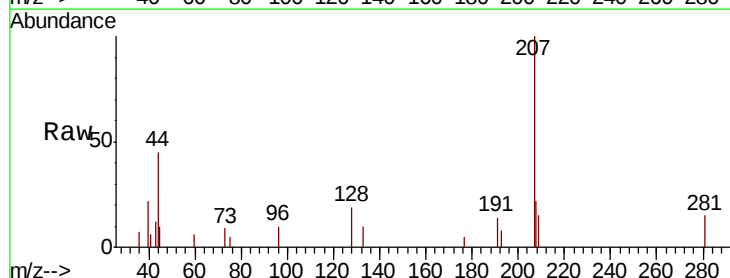
Tgt Ion: 128 Resp: 678

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

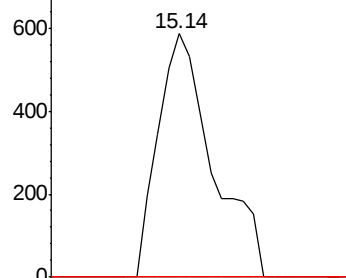
129 0.0 8.8 13.2#



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



Time-->

