

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050393.D
 Acq On : 6 Aug 2018 19:10
 Operator : MD\SY
 Sample : PB11760ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#08

Quant Time: Aug 07 05:50:07 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	679729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1140529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1000184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	395356	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	483581	53.25	ug/l	0.00
Spiked Amount			Recovery	=	106.50%	
35) Dibromofluoromethane	7.59	113	430744	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
50) Toluene-d8	10.09	98	1557883	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
62) 4-Bromofluorobenzene	12.40	95	459102	39.15	ug/l	0.00
Spiked Amount			Recovery	=	78.30%	

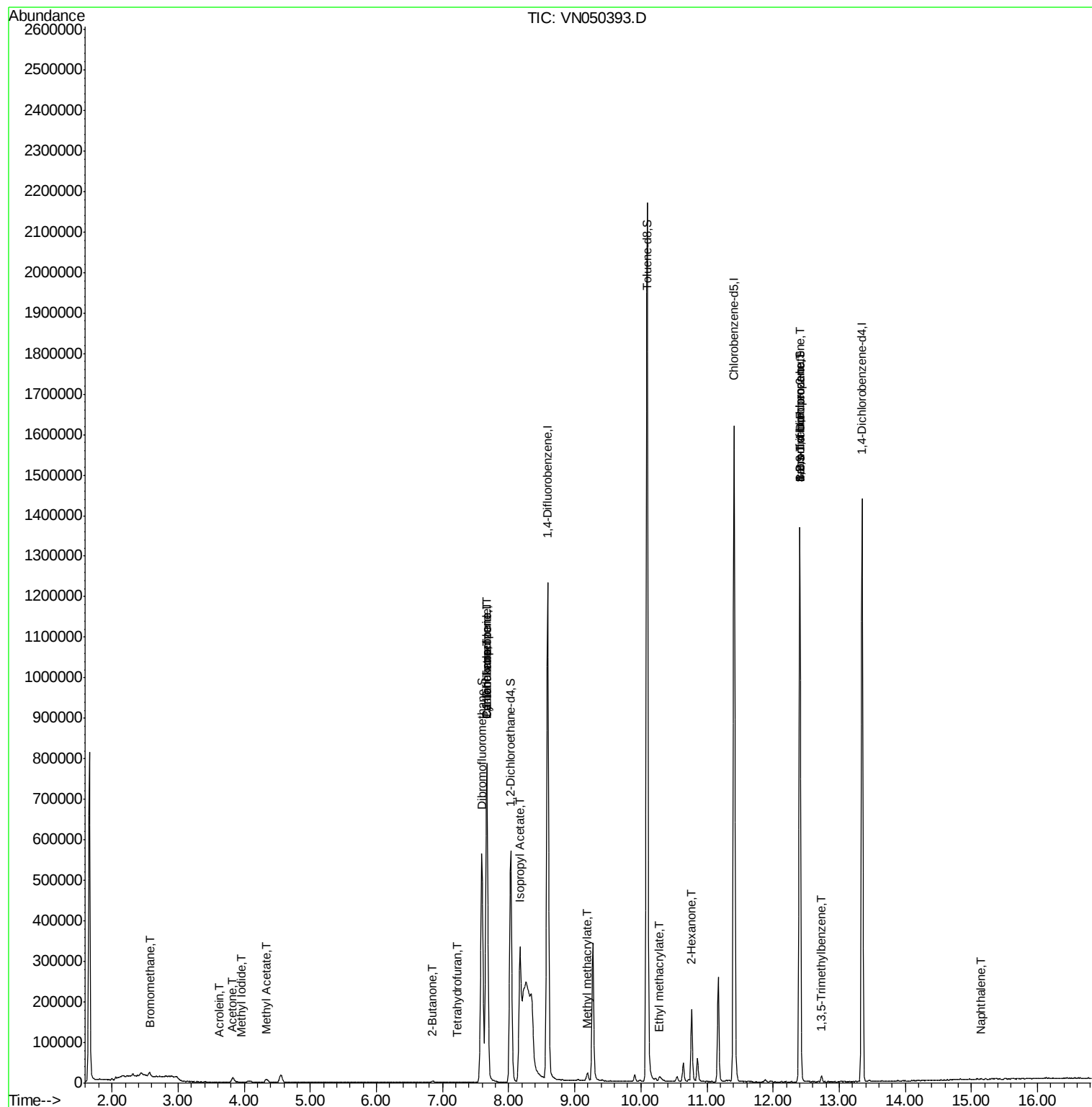
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3520	Below Cal	#	87
5) Bromomethane	2.57	94	5215	1.27	ug/l	86
10) Methyl Iodide	3.96	142	1825	0.53	ug/l	# 73
13) Acrolein	3.61	56	64	15.09	ug/l	# 1
16) Acetone	3.82	43	20818	7.34	ug/l	97
18) Methyl Acetate	4.34	43	16407	2.15	ug/l	96
25) 2-Butanone	6.84	43	2342	0.52	ug/l	99
29) Tetrahydrofuran	7.22	42	1374	0.57	ug/l	# 48
31) Cyclohexane	7.66	56	12685	0.35	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	48340	3.86	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	62016	4.74	ug/l	# 16
43) Isopropyl Acetate	8.17	43	408589	26.23	ug/l	# 93
48) Methyl methacrylate	9.18	41	10587	1.36	ug/l	# 23
56) Ethyl methacrylate	10.28	69	151	1.72	ug/l	# 1
59) 2-Hexanone	10.77	43	25044	3.20	ug/l	# 57
71) Bromoform	12.41	173	3691	0.55	ug/l	# 1
76) 1,2,3-Trichloropropane	12.40	75	219645	30.69	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.73	105	6538	0.27	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	219645	107.84	ug/l	# 13
95) Naphthalene	15.13	128	649	3.65	ug/l	# 69

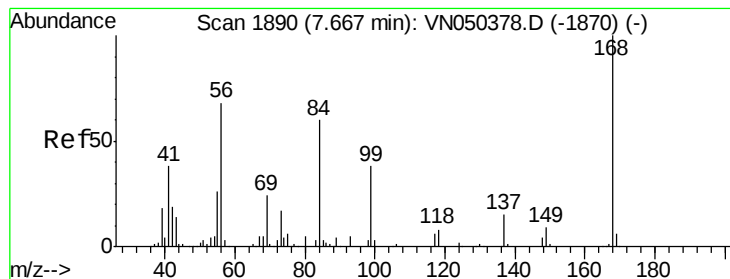
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 07 05:50:07 2018
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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: VN050393.D

Acq: 6 Aug 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

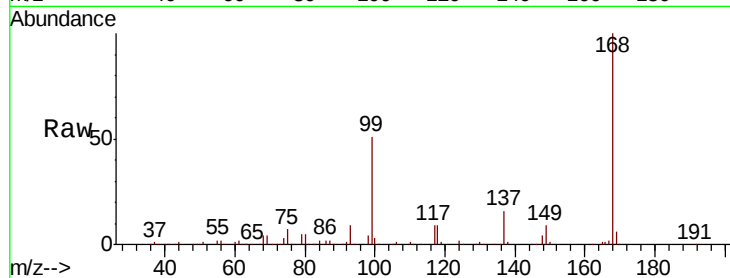
PB11760ZHE#08

Tot Ion:168 Resp: 679729

Ion Ratio Lower Upper

168 100

99 51.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

150000

100000

50000

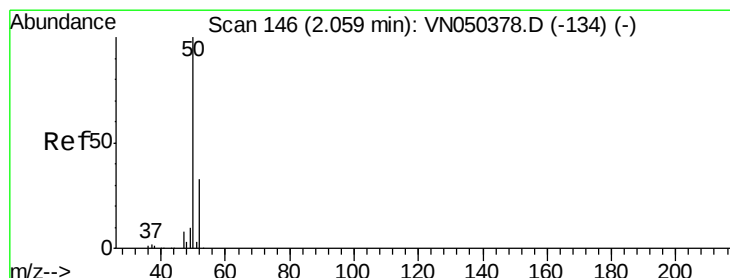
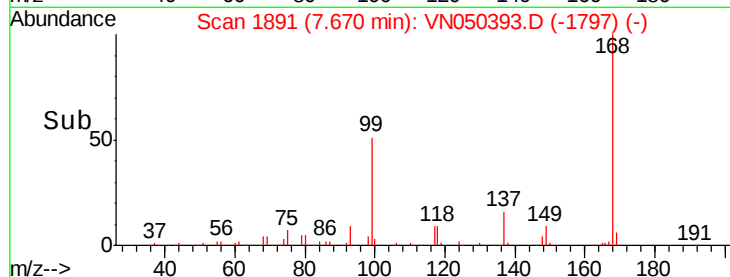
0

Time-->

7.60

7.70

7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050393.D

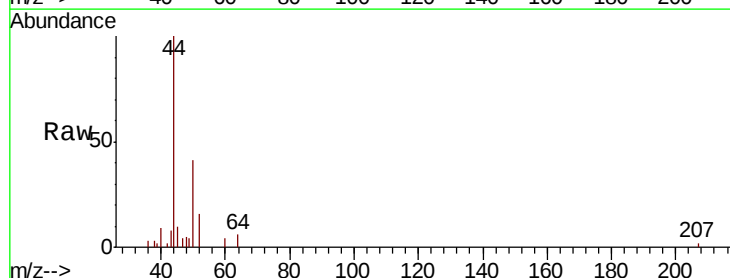
Acq: 6 Aug 2018 19:10

Tgt Ion: 50 Resp: 3520

Ion Ratio Lower Upper

50 100

52 39.8 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

3000

2500

2000

1500

1000

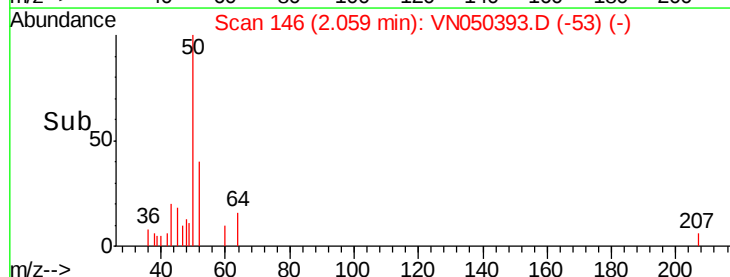
500

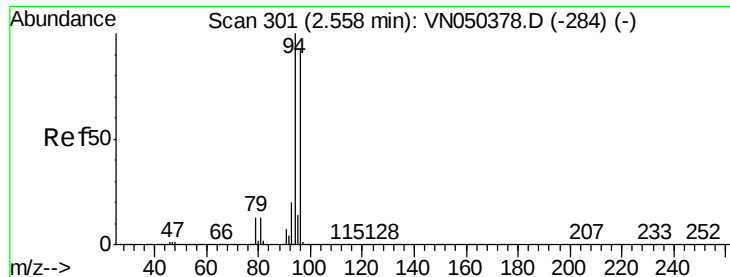
0

Time-->

2.05

2.10





#5

Bromomethane

Concen: 1.27 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050393.D

Acq: 6 Aug 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

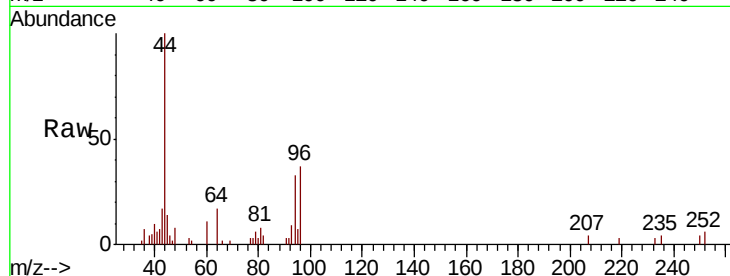
PB11760ZHE#08

Tot Ion: 94 Resp: 5215

Ion Ratio Lower Upper

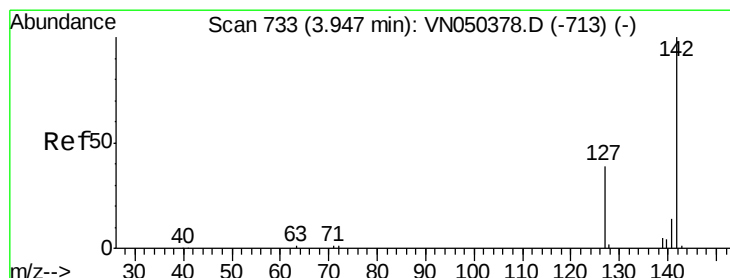
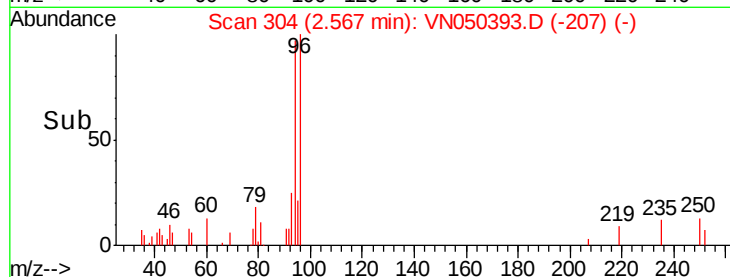
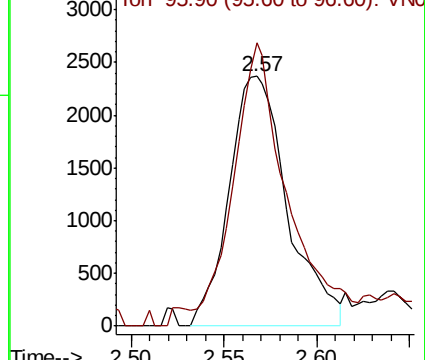
94 100

96 106.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#10

Methyl Iodide

Concen: 0.53 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN050393.D

Acq: 6 Aug 2018 19:10

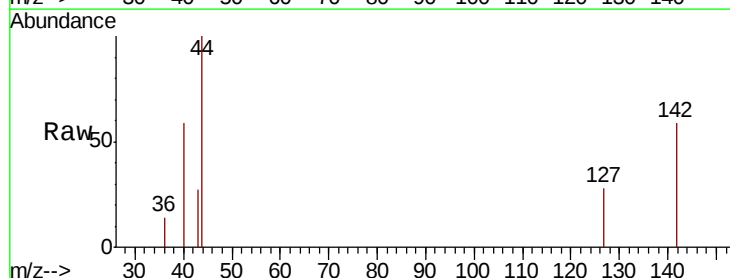
Tgt Ion: 142 Resp: 1825

Ion Ratio Lower Upper

142 100

127 25.9 33.4 50.2#

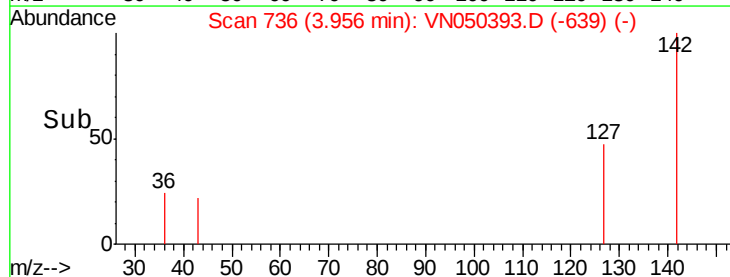
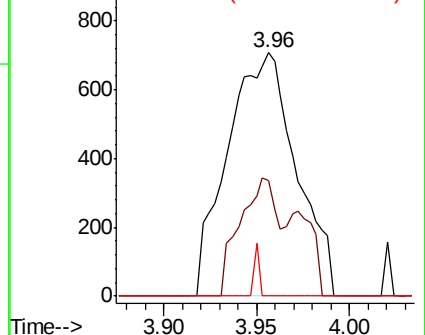
141 1.6 11.6 17.4#

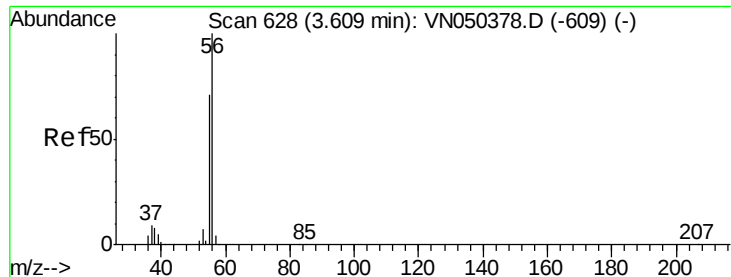


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 15.09 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050393.D

Acq: 6 Aug 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

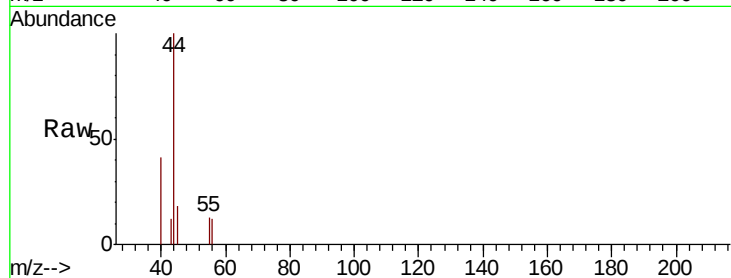
PB11760ZHE#08

Tot Ion: 56 Resp: 64

Ion Ratio Lower Upper

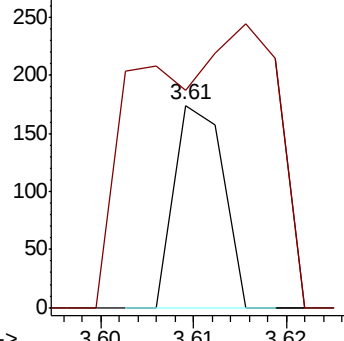
56 100

55 384.4 55.8 83.6#

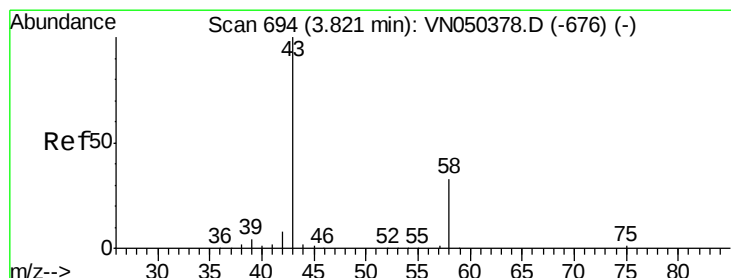
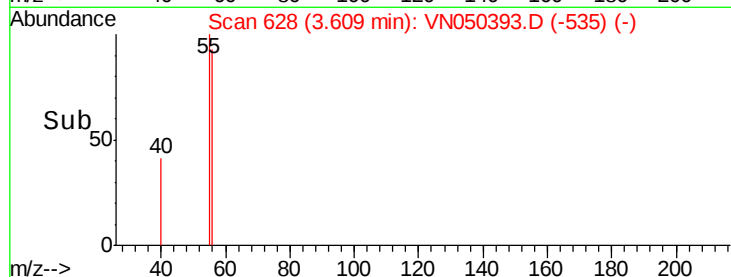


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 7.34 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050393.D

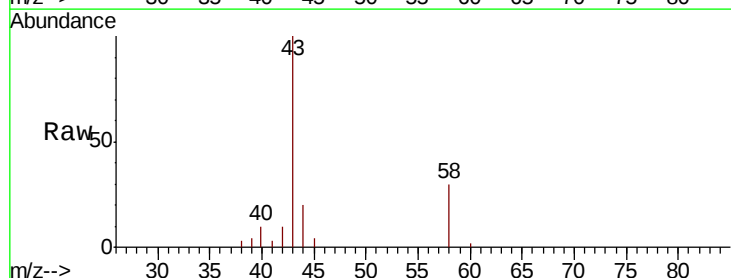
Acq: 6 Aug 2018 19:10

Tgt Ion: 43 Resp: 20818

Ion Ratio Lower Upper

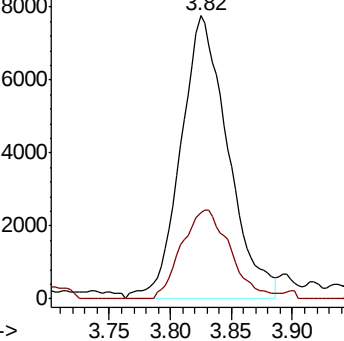
43 100

58 30.4 25.8 38.8

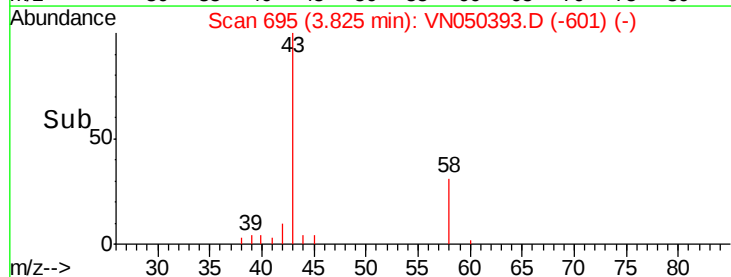


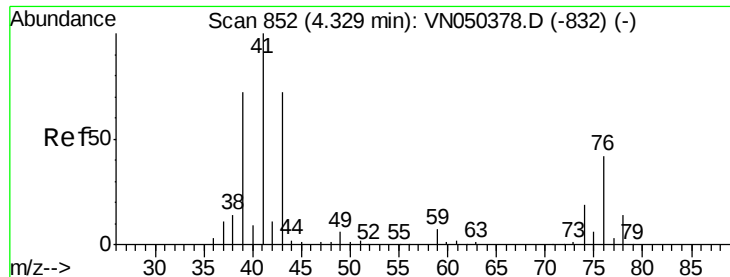
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

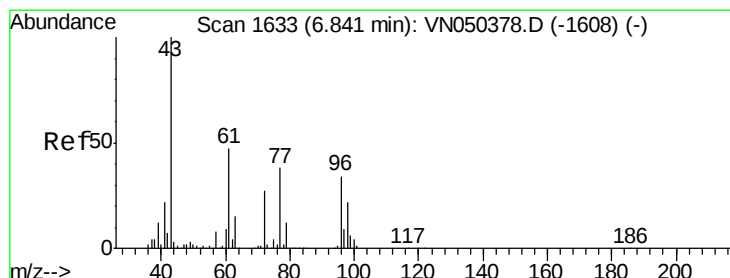
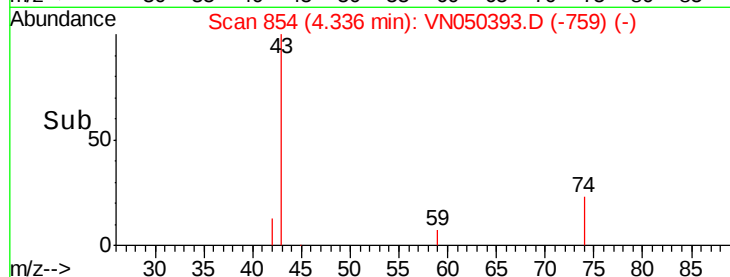
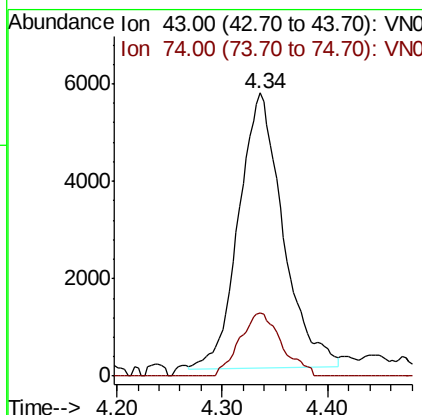
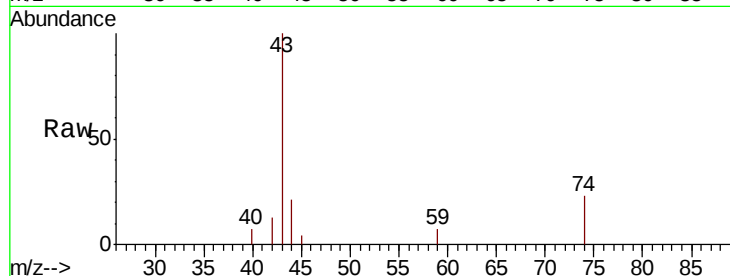




#18
Methvl Acetate
Concen: 2.15 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050393.D
Acq: 6 Aug 2018 19:10

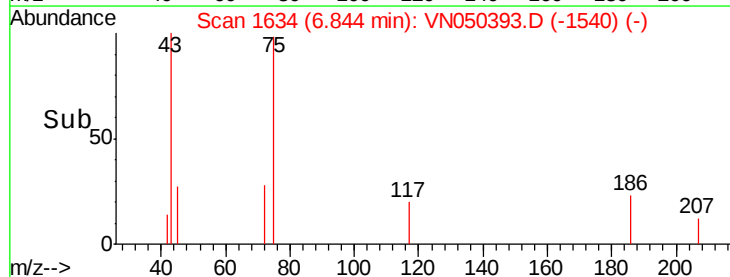
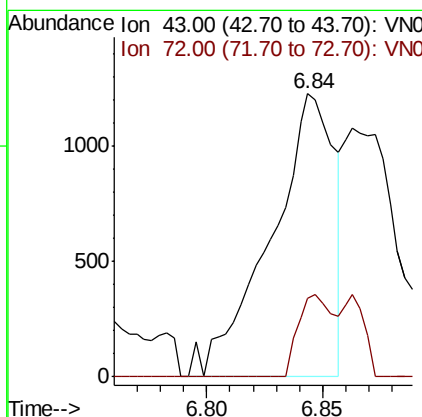
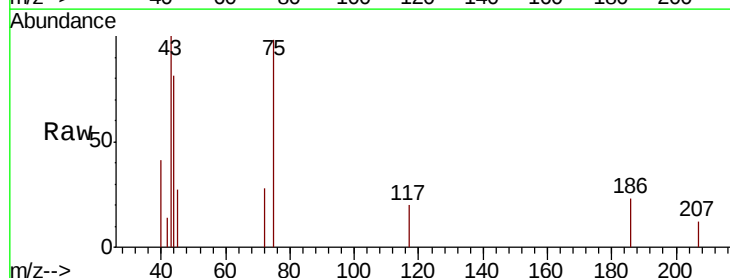
Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#08

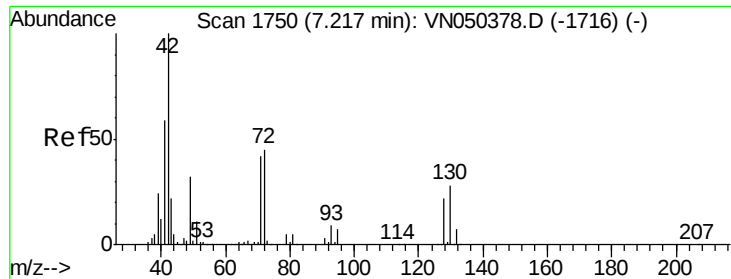
Tot Ion: 43 Resp: 16407
Ion Ratio Lower Upper
43 100
74 21.9 19.2 28.8



#25
2-Butanone
Concen: 0.52 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050393.D
Acq: 6 Aug 2018 19:10

Tgt Ion: 43 Resp: 2342
Ion Ratio Lower Upper
43 100
72 27.6 21.5 32.3

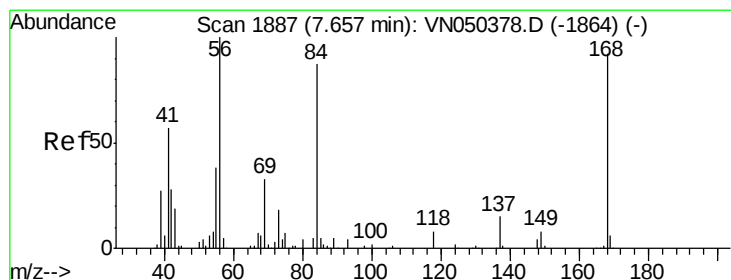
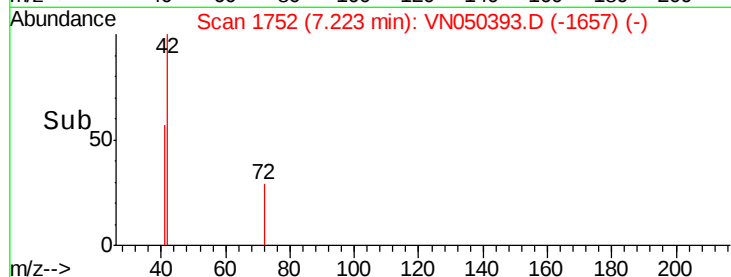
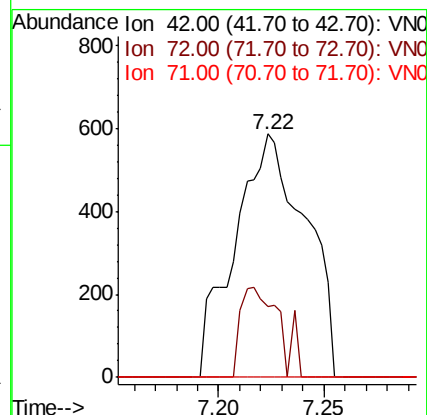
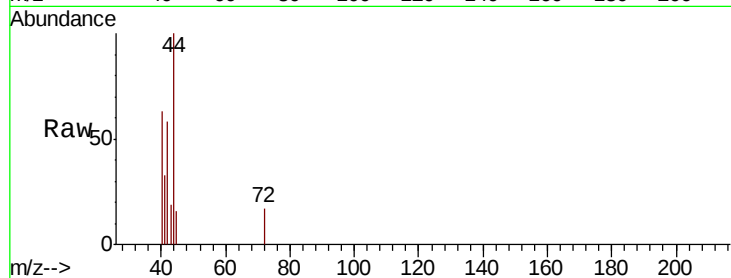




#29
Tetrahydrofuran
Concen: 0.57 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN050393.D
Acq: 6 Aug 2018 19:10

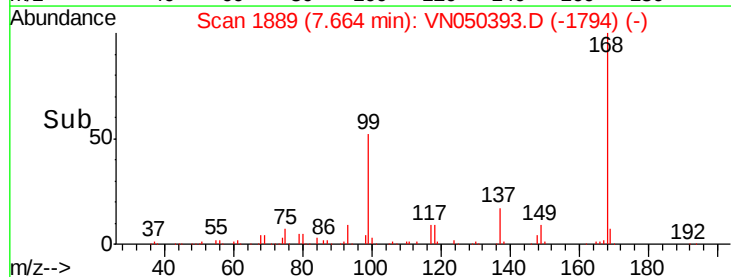
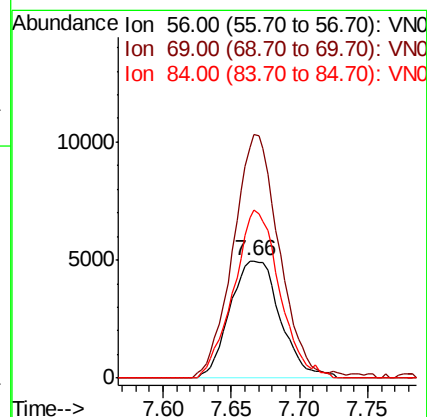
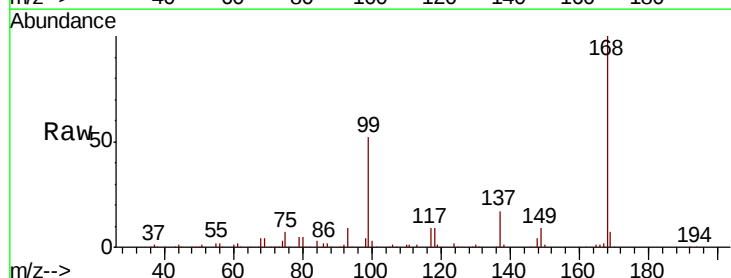
Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#08

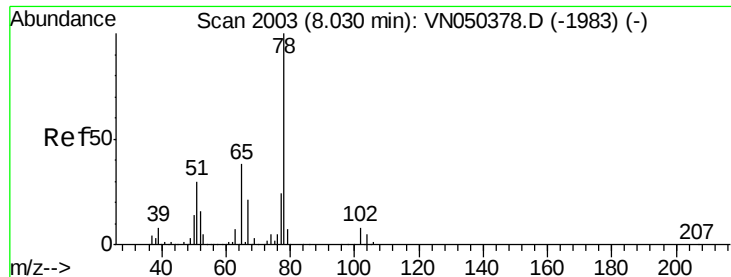
Tot Ion: 42 Resp: 1374
Ion Ratio Lower Upper
42 100
72 20.2 35.9 53.9#
71 0.0 33.7 50.5#



#31
Cyclohexane
Concen: 0.35 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050393.D
Acq: 6 Aug 2018 19:10

Tgt Ion: 56 Resp: 12685
Ion Ratio Lower Upper
56 100
69 196.9 26.2 39.4#
84 137.5 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 53.25 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050393.D

Acq: 6 Aug 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

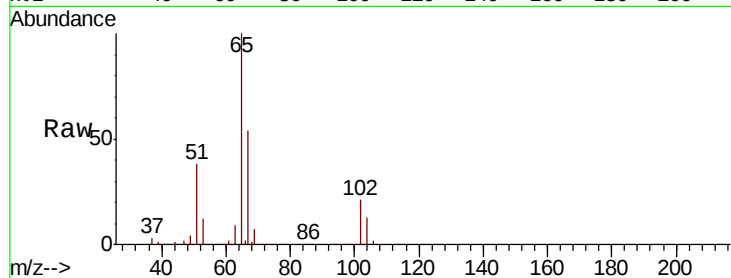
PB11760ZHE#08

Tot Ion: 65 Resp: 483581

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

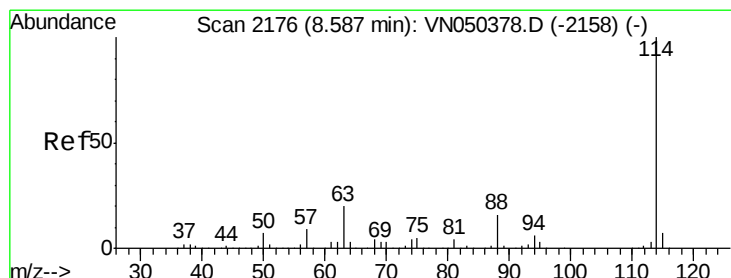
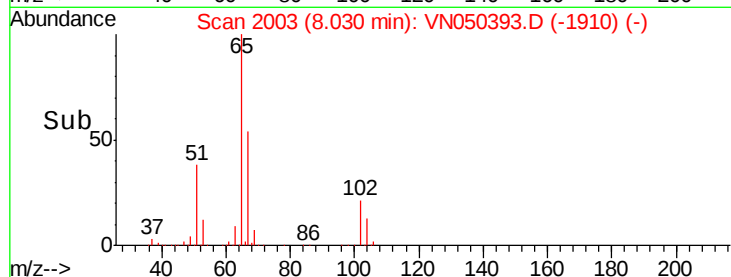
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050393.D

Acq: 6 Aug 2018 19:10

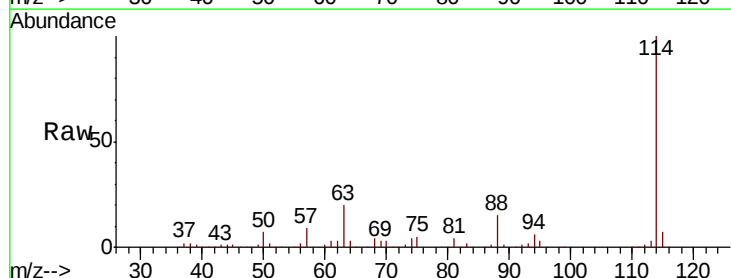
Tgt Ion: 114 Resp: 1140529

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.5 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

8.59

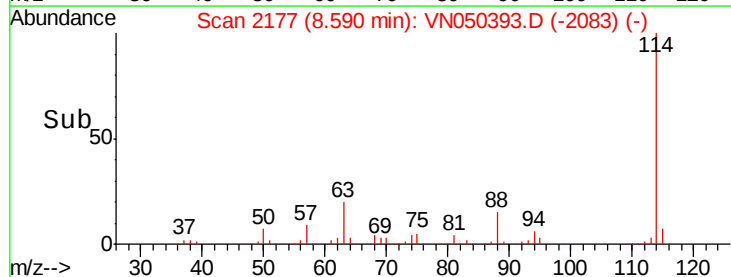
600000

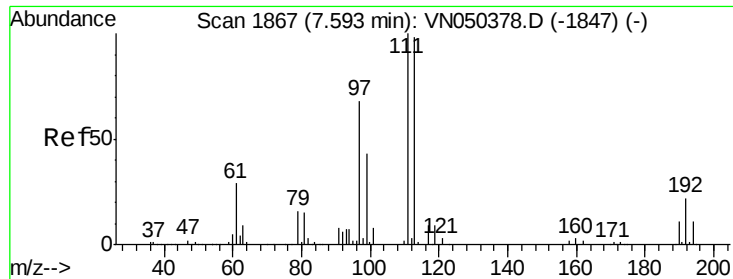
400000

200000

0

Time--> 8.50 8.60 8.70

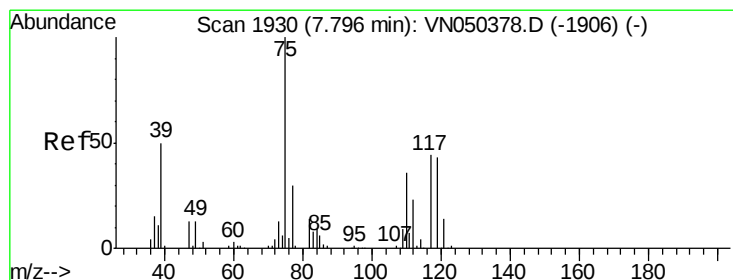
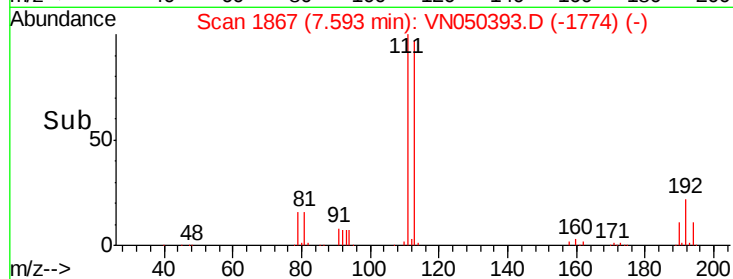
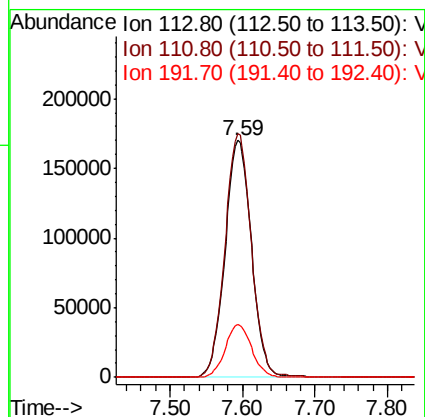
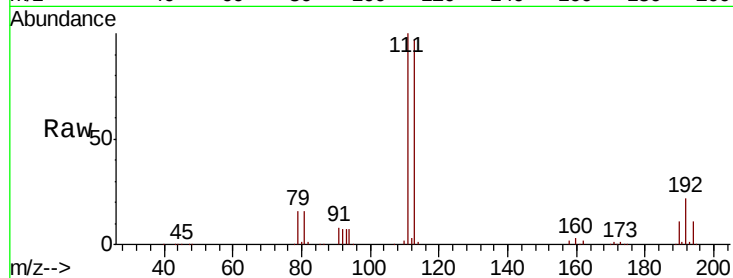




#35
 Dibromofluoromethane
 Concen: 47.07 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050393.D
 Acq: 6 Aug 2018 19:10

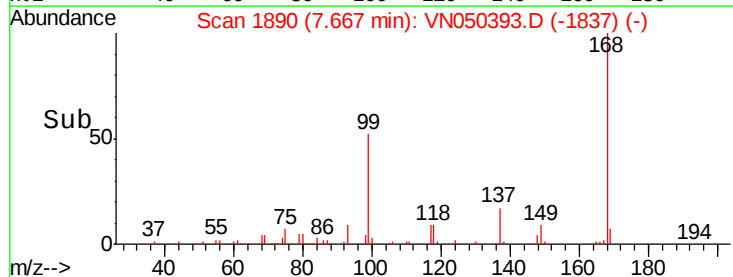
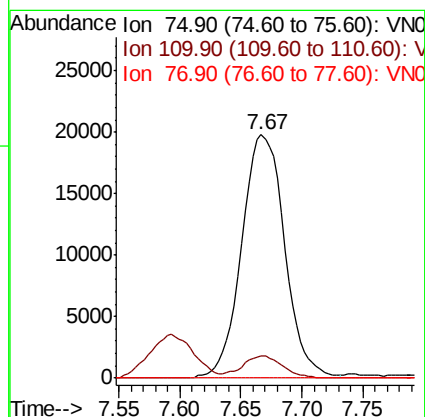
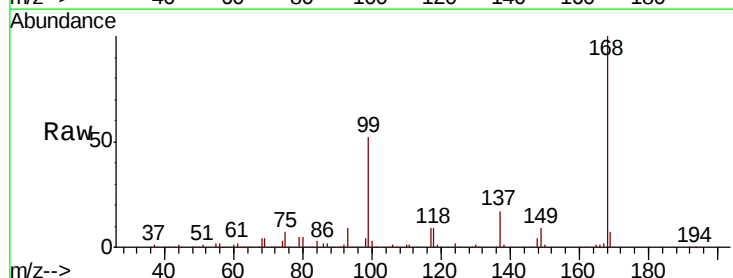
Instrument :
 MSVOA_N
 ClientSampleId :
 PB11760ZHE#08

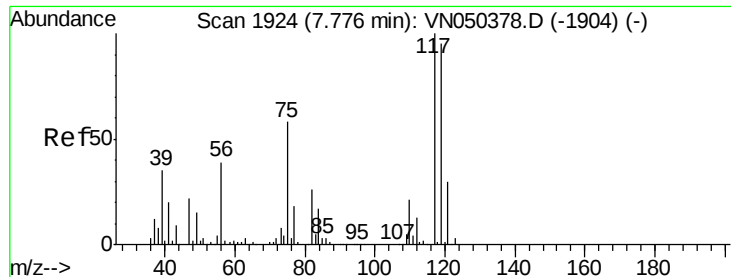
Tot Ion:113 Resp: 430744
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.7 121.1
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050393.D
 Acq: 6 Aug 2018 19:10

Tgt Ion: 75 Resp: 48340
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.74 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050393.D

Acq: 6 Aug 2018 19:10

Instrument :

MSVOA_N

ClientSampled :

PB11760ZHE#08

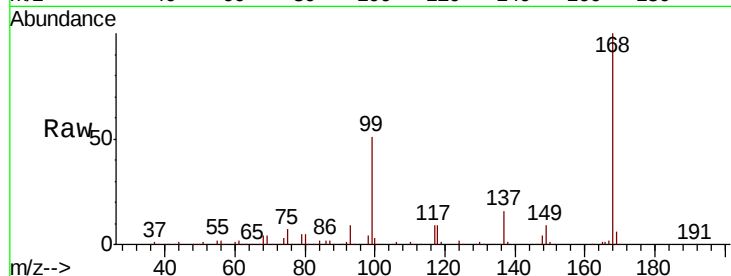
Tot Ion:117 Resp: 62016

Ion Ratio Lower Upper

117 100

119 6.1 77.4 116.0#

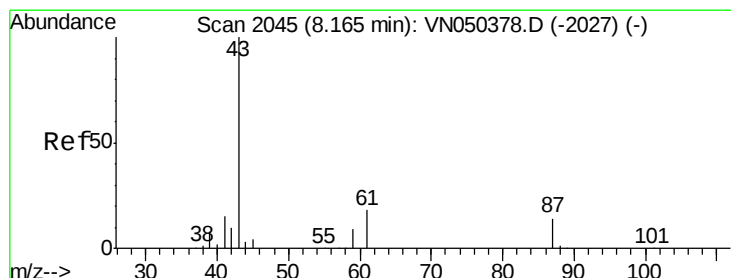
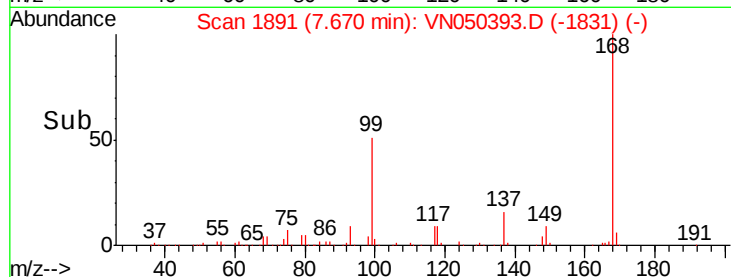
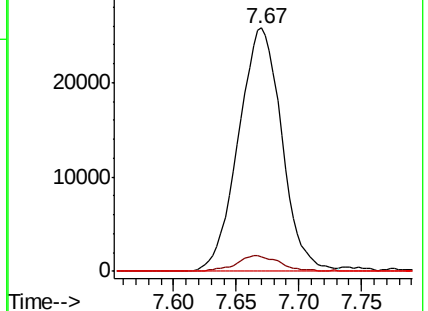
121 0.0 23.9 35.9#



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: 26.23 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.01 min

Lab File: VN050393.D

Acq: 6 Aug 2018 19:10

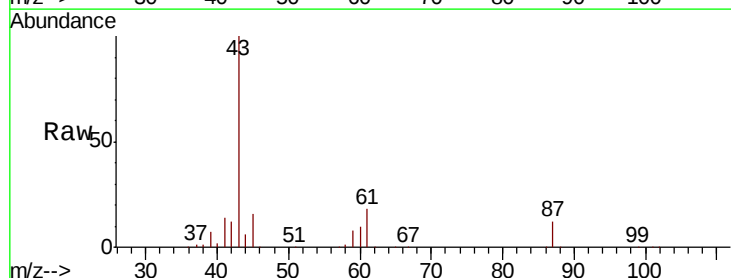
Tgt Ion: 43 Resp: 408589

Ion Ratio Lower Upper

43 100

61 16.6 15.8 23.6

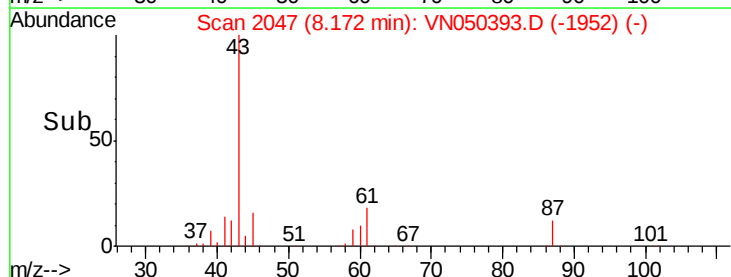
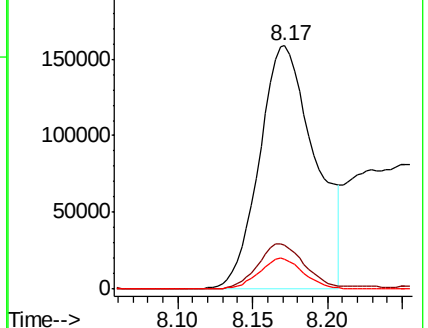
87 10.2 10.3 15.5#

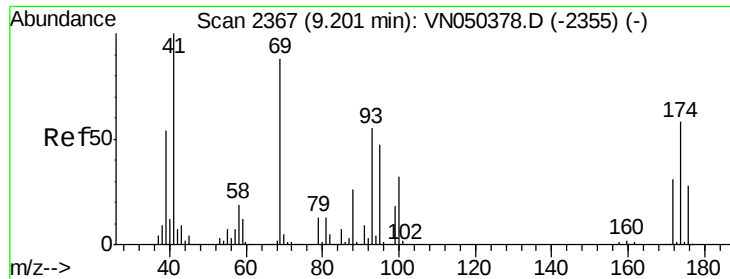


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

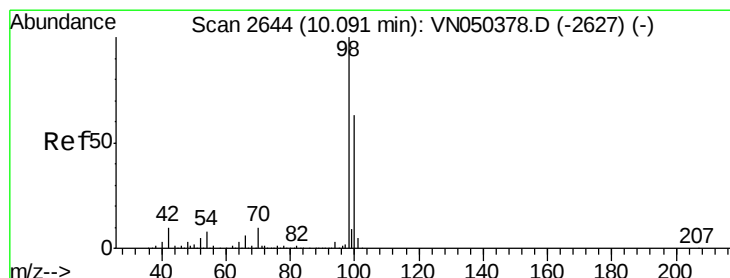
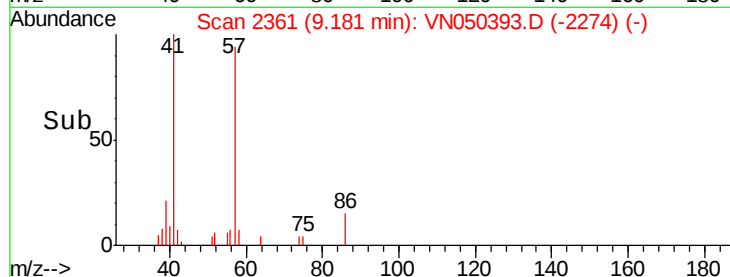
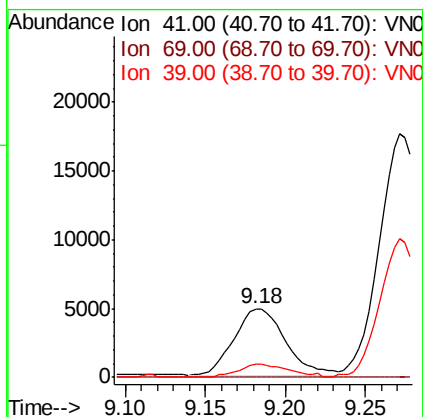
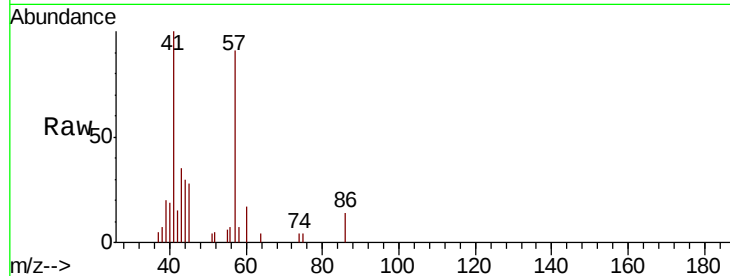




#48
Methyl methacrylate
Concen: 1.36 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050393.D
Acq: 6 Aug 2018 19:10

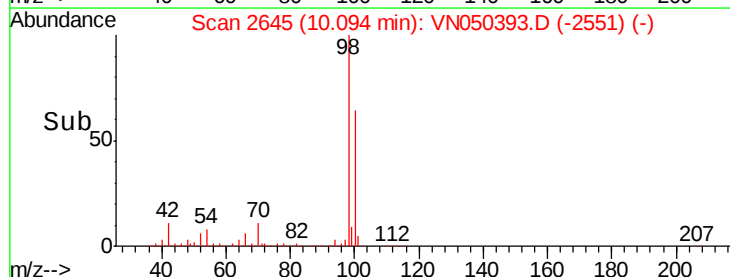
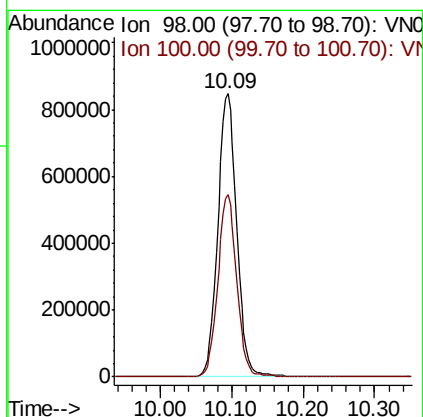
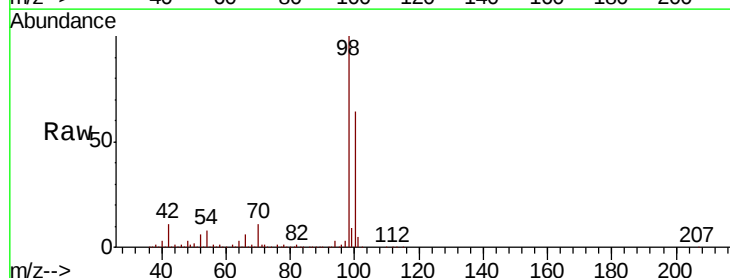
Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#08

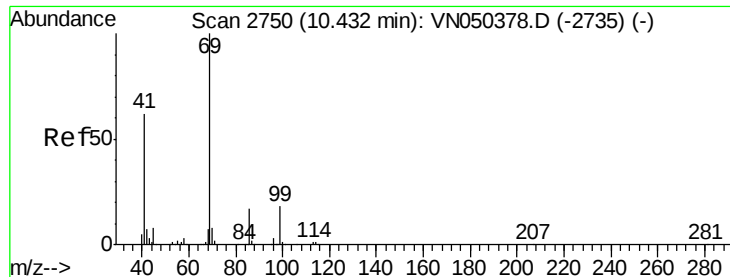
Tot Ion: 41 Resp: 10587
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 19.6 43.9 65.9#



#50
Toluene-d8
Concen: 45.28 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050393.D
Acq: 6 Aug 2018 19:10

Tgt Ion: 98 Resp: 1557883
Ion Ratio Lower Upper
98 100
100 64.0 50.7 76.1





#56

Ethyl methacrylate

Concen: 1.72 ug/l

RT: 10.28 min Scan# 2702

Delta R.T. -0.15 min

Lab File: VN050393.D

Acq: 6 Aug 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#08

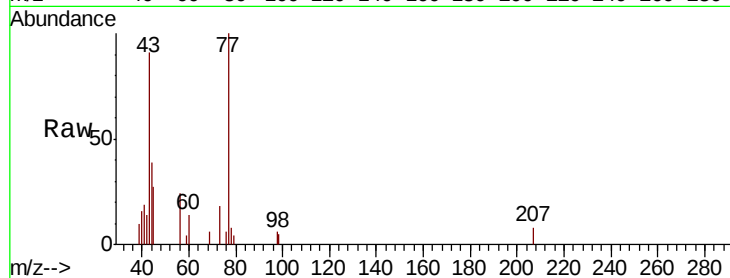
Tot Ion: 69 Resp: 151

Ion Ratio Lower Upper

69 100

41 977.5 51.0 76.4#

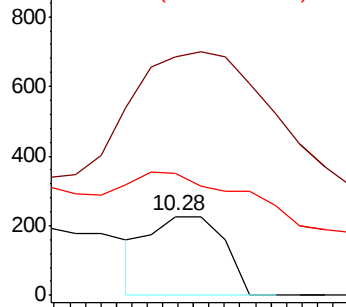
39 0.0 26.6 40.0#



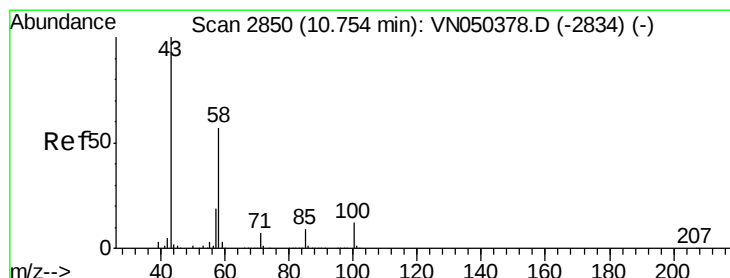
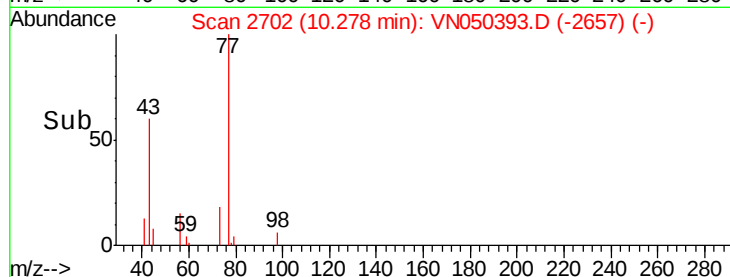
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



#59

2-Hexanone

Concen: 3.20 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050393.D

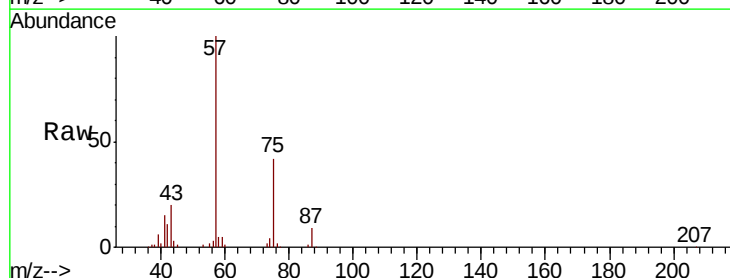
Acq: 6 Aug 2018 19:10

Tgt Ion: 43 Resp: 25044

Ion Ratio Lower Upper

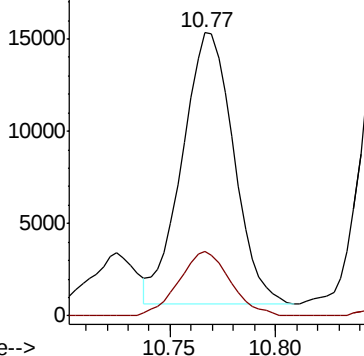
43 100

58 23.8 27.6 82.7#

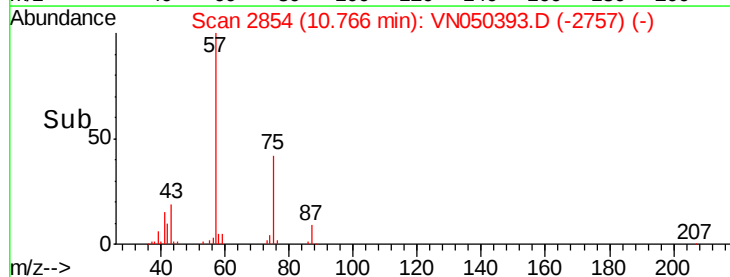


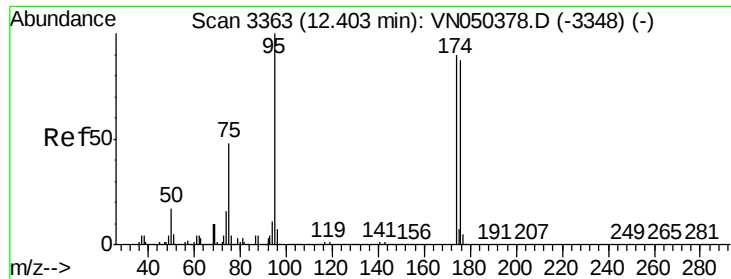
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

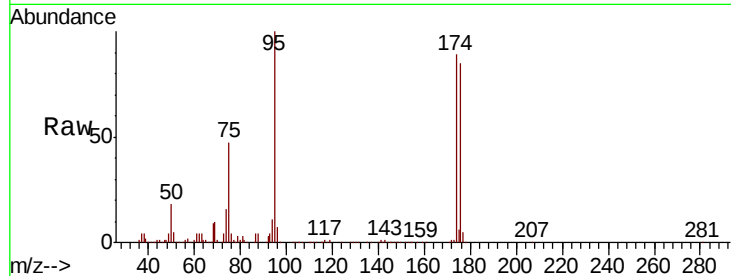




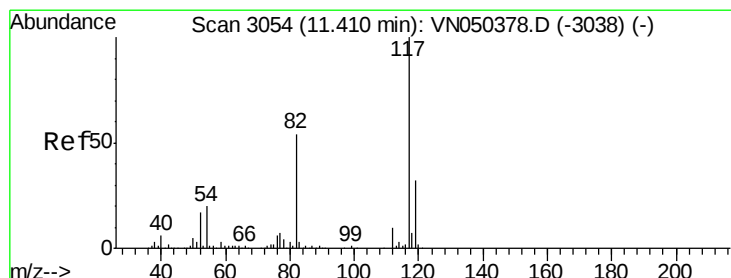
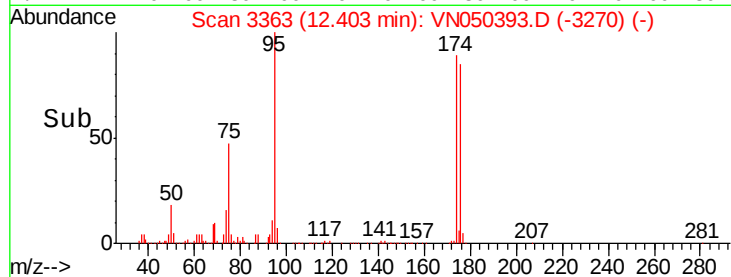
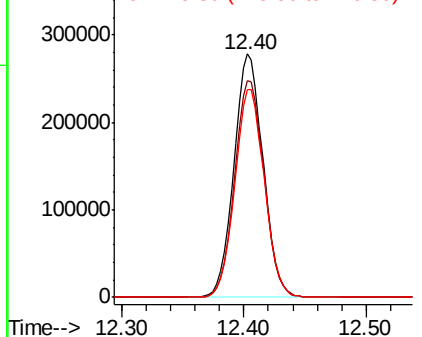
#62
4-Bromofluorobenzene
Concen: 39.15 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050393.D
Acq: 6 Aug 2018 19:10

Instrument :
MSVOA_N
ClientSampleId :
PB11760ZHE#08

Tot Ion: 95 Resp: 459102
Ion Ratio Lower Upper
95 100
174 90.4 0.0 178.2
176 86.1 0.0 173.4

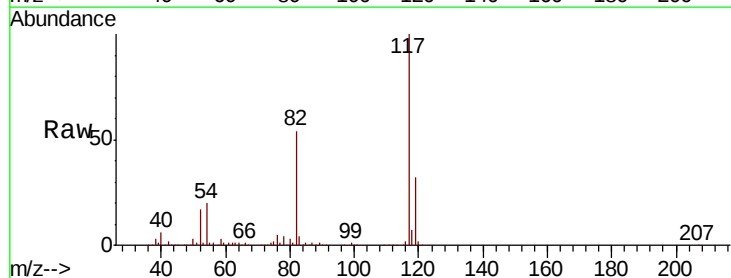


Abundance Ion 94.90 (94.60 to 95.60): VN050393.D (-3270) (-)
Ion 173.80 (173.50 to 174.50): VN050393.D (-3270) (-)
Ion 175.80 (175.50 to 176.50): VN050393.D (-3270) (-)

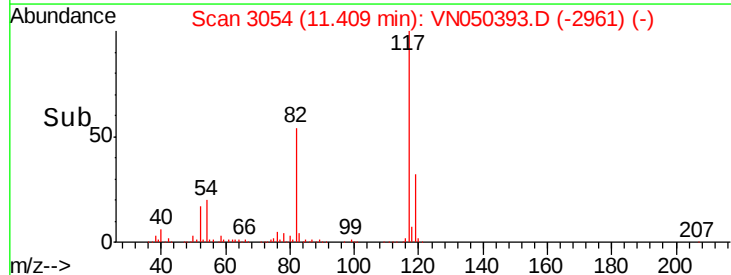
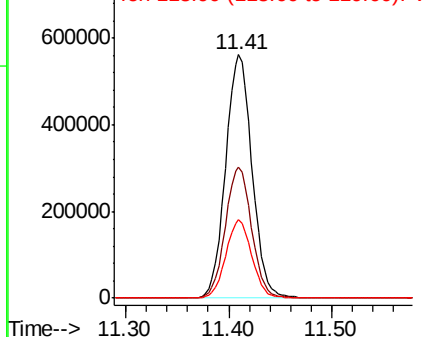


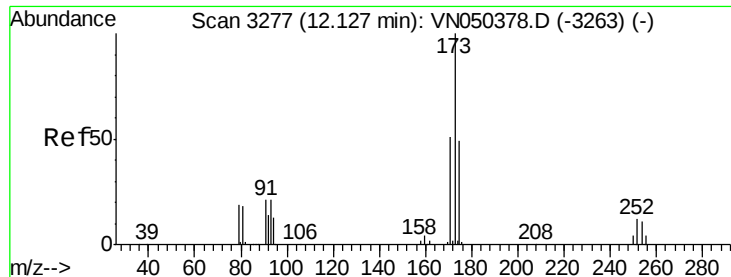
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050393.D
Acq: 6 Aug 2018 19:10

Tgt Ion: 117 Resp: 1000184
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 32.0 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): VN050393.D (-2961) (-)
Ion 82.00 (81.70 to 82.70): VN050393.D (-2961) (-)
Ion 118.90 (118.60 to 119.60): VN050393.D (-2961) (-)





#71

Bromoform

Concen: 0.55 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN050393.D

Acq: 6 Aug 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#08

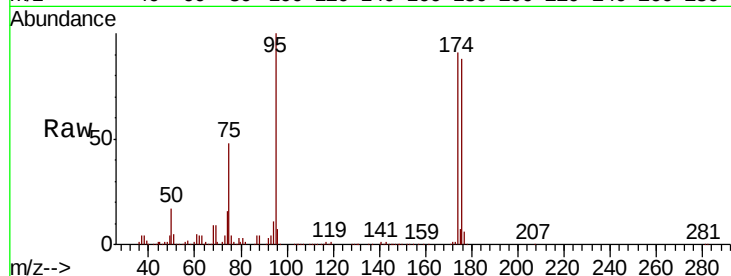
Tot Ion:173 Resp: 3691

Ion Ratio Lower Upper

173 100

175 666.9 24.1 72.2#

254 0.0 0.2 0.2#

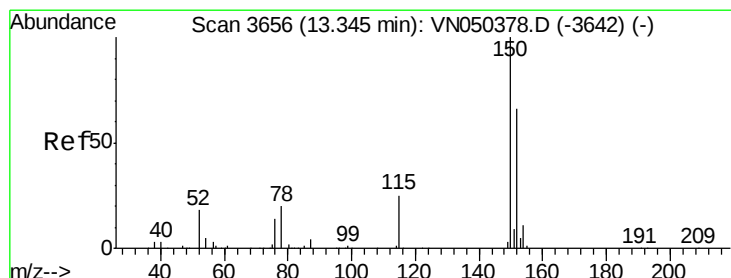
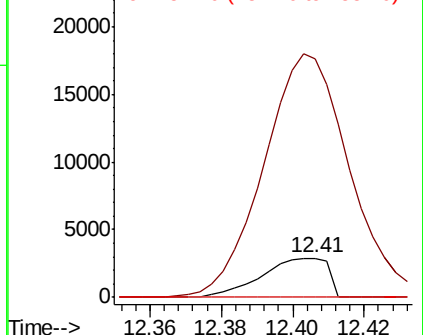
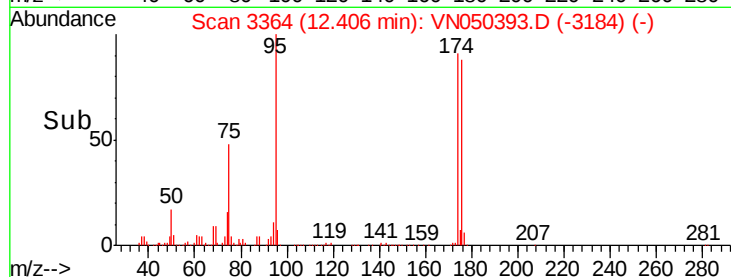


Abundance

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: VN050393.D

Acq: 6 Aug 2018 19:10

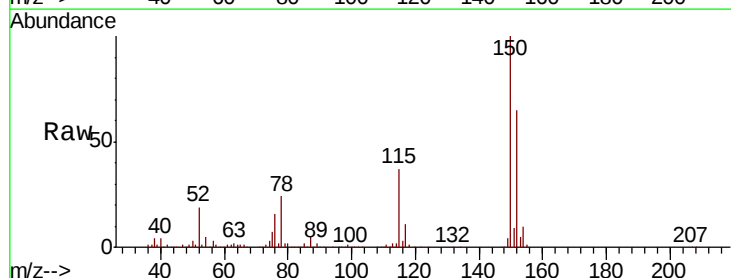
Tgt Ion:152 Resp: 395356

Ion Ratio Lower Upper

152 100

115 56.7 27.8 83.3

150 155.8 0.0 348.6

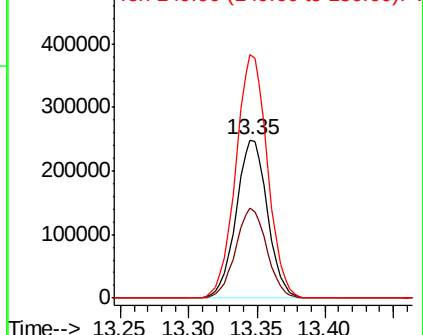
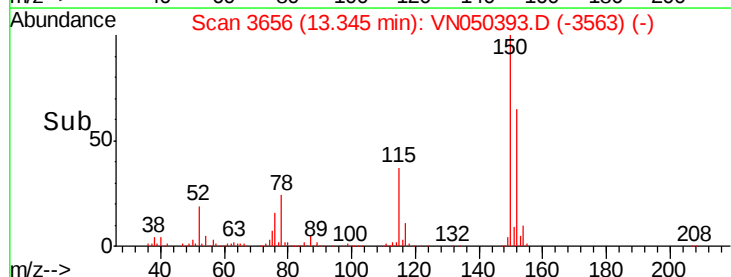


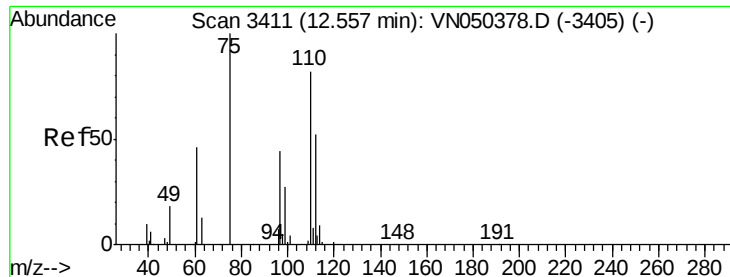
Abundance

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: 30.69 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050393.D

Acq: 6 Aug 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

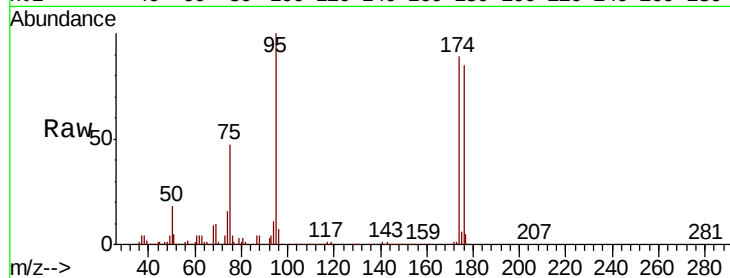
PB11760ZHE#08

Tot Ion: 75 Resp: 219645

Ion Ratio Lower Upper

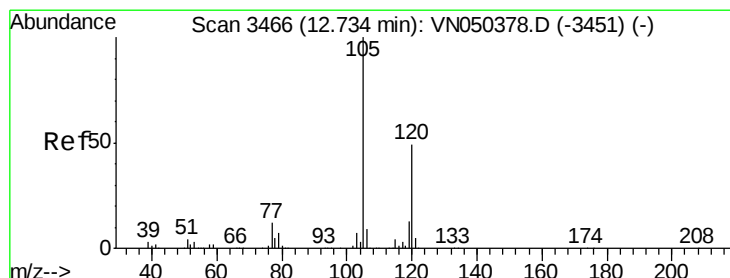
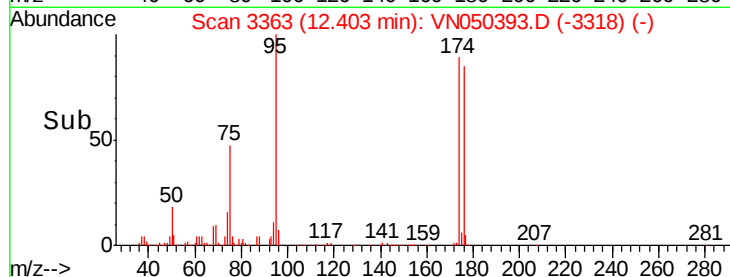
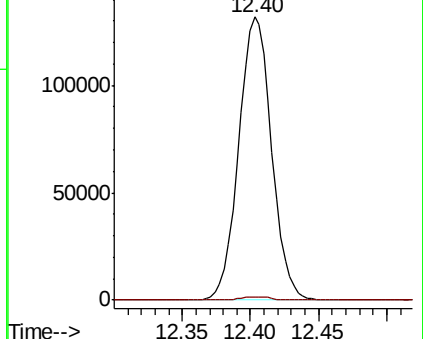
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050393.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN050393.D (-3318) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.27 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050393.D

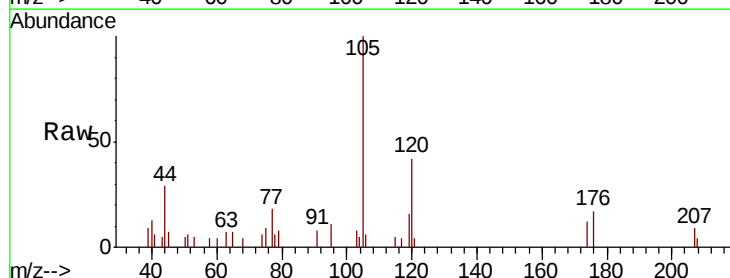
Acq: 6 Aug 2018 19:10

Tgt Ion: 105 Resp: 6538

Ion Ratio Lower Upper

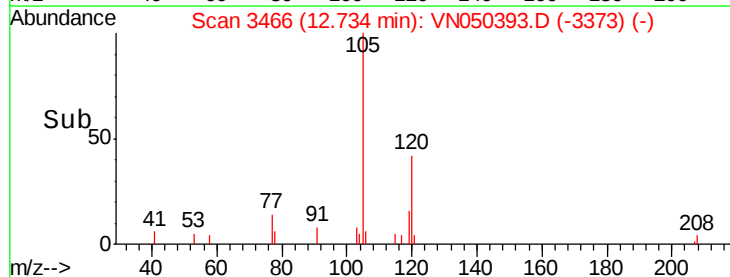
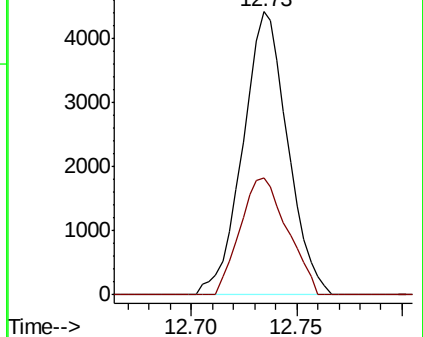
105 100

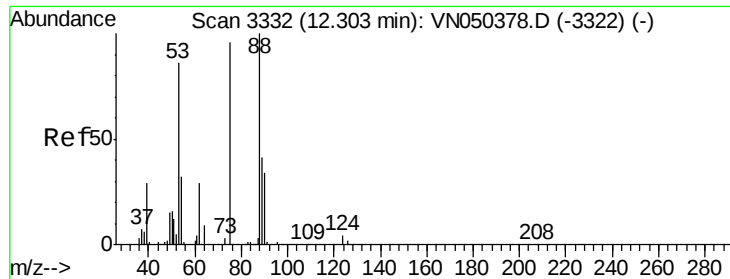
120 43.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050393.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN050393.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 107.84 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050393.D

Acq: 6 Aug 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

PB11760ZHE#08

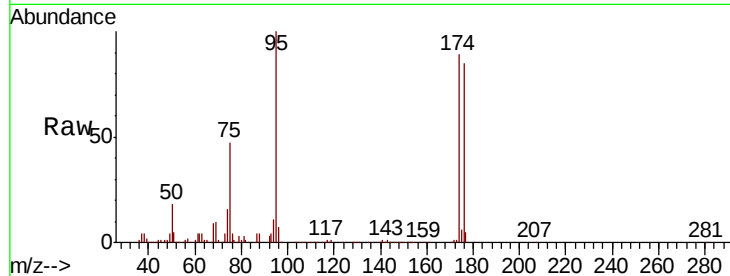
Tot Ion: 75 Resp: 219645

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

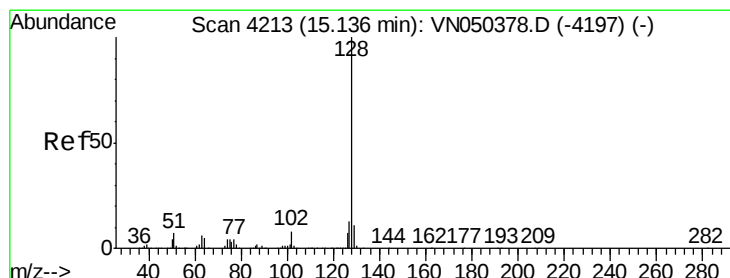
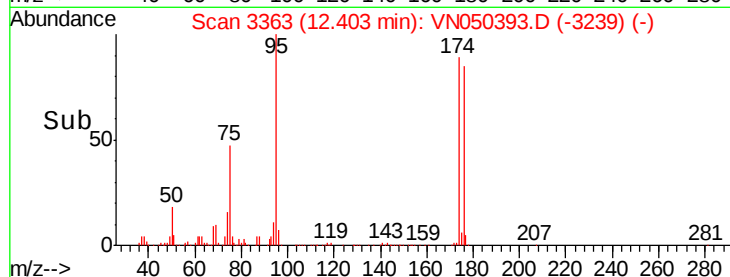
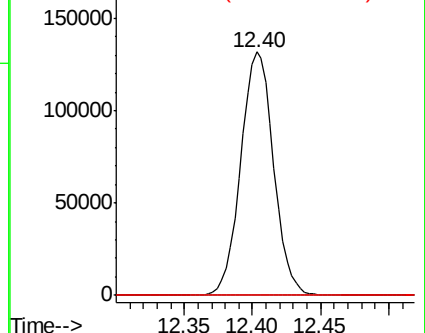
89 0.0 36.0 54.0#



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



#95

Naphthalene

Concen: 3.65 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050393.D

Acq: 6 Aug 2018 19:10

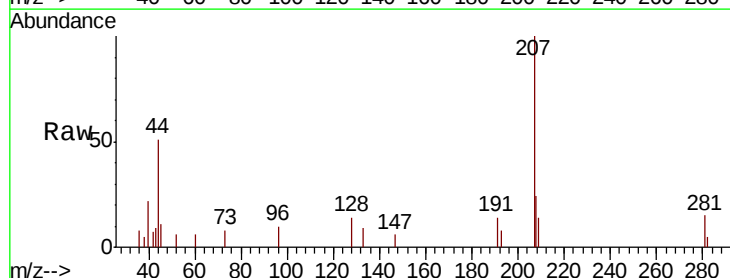
Tgt Ion: 128 Resp: 649

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

