

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050773.D
 Acq On : 20 Aug 2018 14:46
 Operator : MD\SY
 Sample : PB112183TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112183TB

Quant Time: Aug 21 03:30:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	653193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1071071	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	931067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	315976	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	433284	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
35) Dibromofluoromethane	7.59	113	406750	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
50) Toluene-d8	10.09	98	1476298	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
62) 4-Bromofluorobenzene	12.40	95	404469	38.04	ug/l	0.00
Spiked Amount			Recovery	=	76.08%	

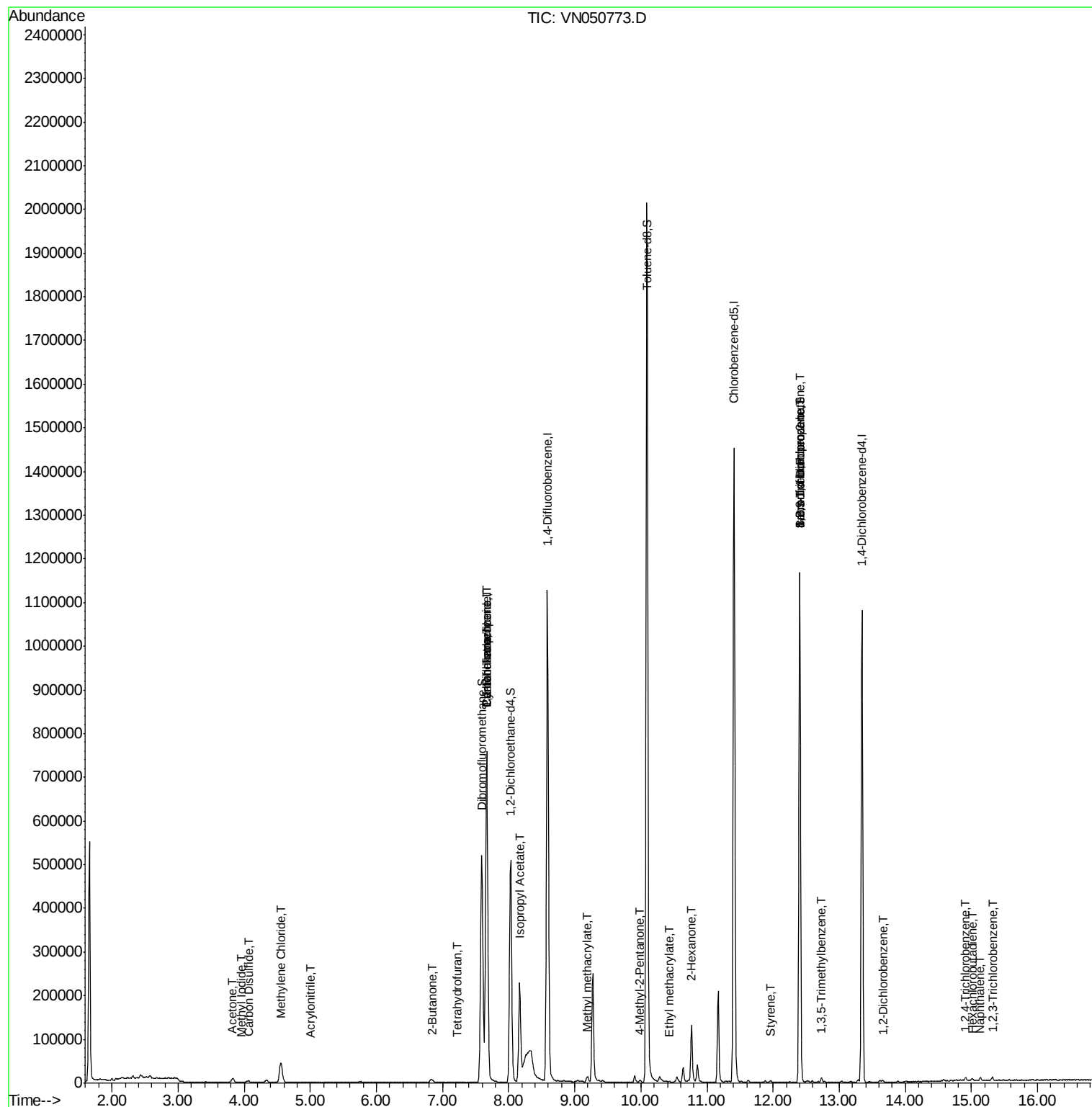
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3382	Below Cal		94
5) Bromomethane	2.57	94	3795	Below Cal		85
6) Chloroethane	2.70	64	364	Below Cal	#	43
10) Methyl Iodide	3.96	142	1442	7.17	ug/l #	57
13) Acrolein	3.62	56	102	Below Cal		93
15) Acrylonitrile	5.00	53	522	0.21	ug/l #	72
16) Acetone	3.83	43	17629	7.17	ug/l	98
17) Carbon Disulfide	4.05	76	5738	0.26	ug/l #	75
20) Methylene Chloride	4.56	84	36581	3.49	ug/l	96
25) 2-Butanone	6.85	43	3577	1.06	ug/l	94
29) Tetrahydrofuran	7.21	42	361	0.20	ug/l #	63
31) Cyclohexane	7.66	56	11669	0.59	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45949	3.85	ug/l #	43
38) Carbon Tetrachloride	7.67	117	57930	4.68	ug/l #	16
43) Isopropyl Acetate	8.17	43	260607	21.22	ug/l	99
48) Methyl methacrylate	9.18	41	7974	1.29	ug/l #	17
51) 4-Methyl-2-Pentanone	9.99	43	3341	0.40	ug/l	89
56) Ethyl methacrylate	10.43	69	163	1.92	ug/l #	28
59) 2-Hexanone	10.76	43	20079	3.75	ug/l #	57
70) Styrene	11.97	104	1368	1.00	ug/l #	76
71) Bromoform	12.40	173	1879	0.33	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	464	Below Cal	#	81
76) 1,2,3-Trichloropropane	12.40	75	190718	37.09	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5565	0.28	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	190718	134.19	ug/l #	13
91) 1,2-Dichlorobenzene	13.66	146	2280	0.20	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	2737	3.13	ug/l	93
94) Hexachlorobutadiene	15.01	225	1156	0.34	ug/l	85
95) Naphthalene	15.14	128	6236	4.33	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	2989	2.48	ug/l	95

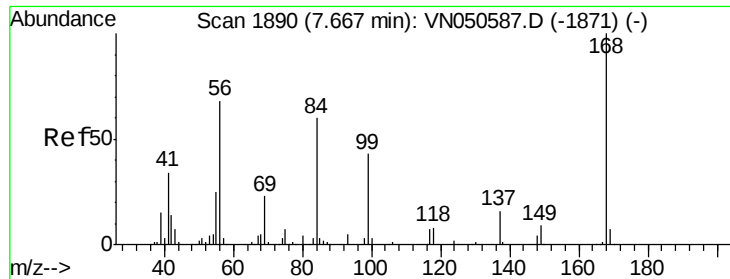
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

Instrument :

MSVOA_N

ClientSampleId :

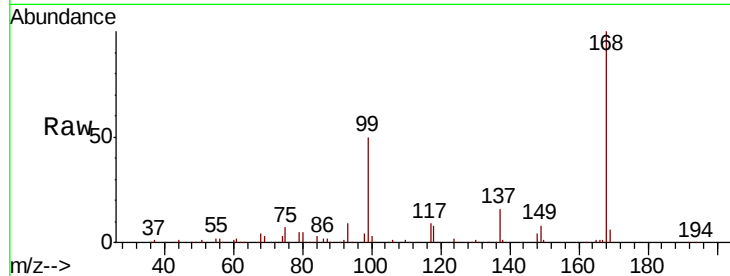
PB112183TB

Tot Ion:168 Resp: 653193

Ion Ratio Lower Upper

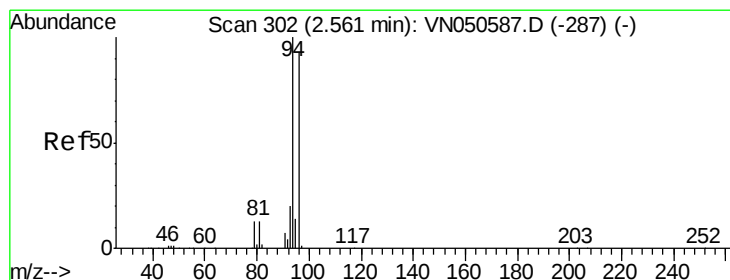
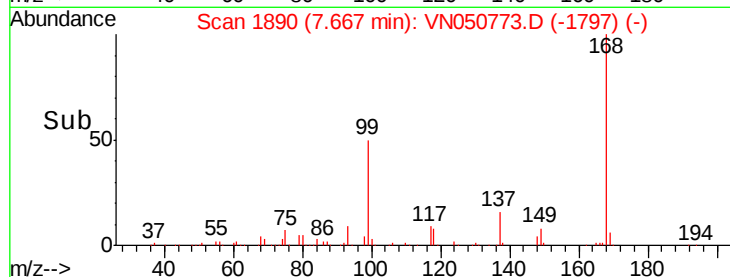
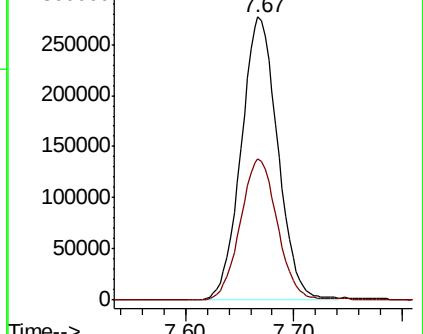
168 100

99 50.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN050773.D

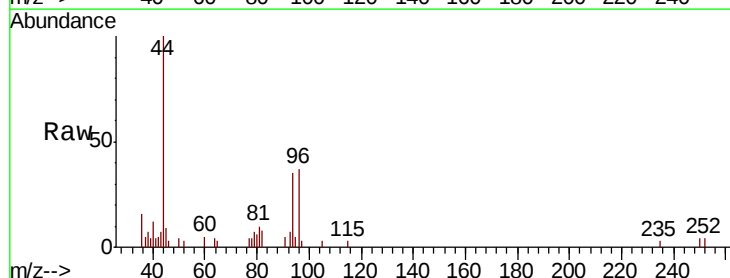
Acq: 20 Aug 2018 14:46

Tgt Ion: 94 Resp: 3795

Ion Ratio Lower Upper

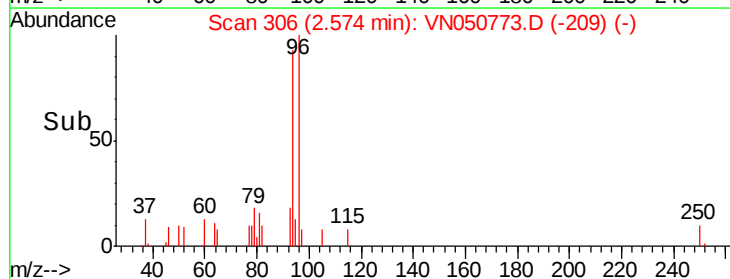
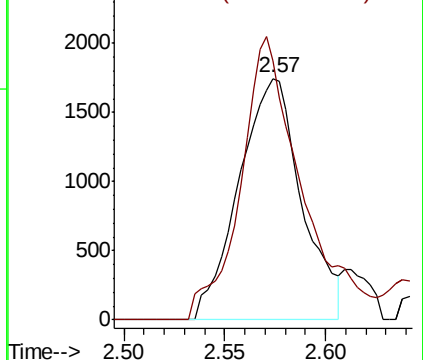
94 100

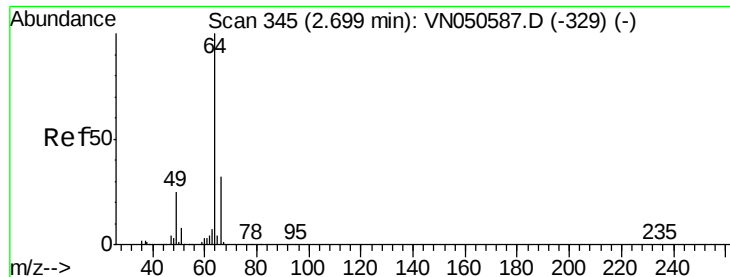
96 107.3 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#6

Chloroethane

Concen: Below Cal

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

Instrument :

MSVOA_N

ClientSampleId :

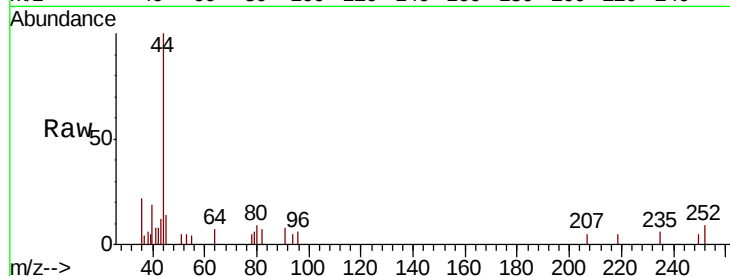
PB112183TB

Tot Ion: 64 Resp: 364

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN050773.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN050773.D (-252) (-)

2.70

250

200

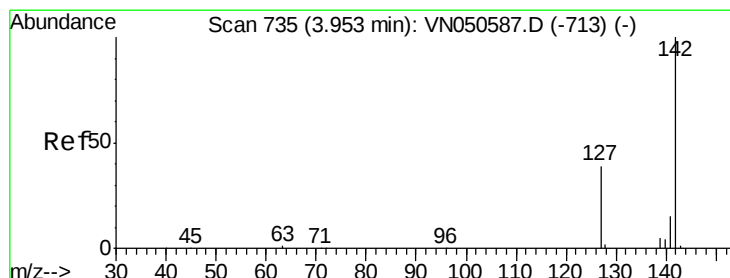
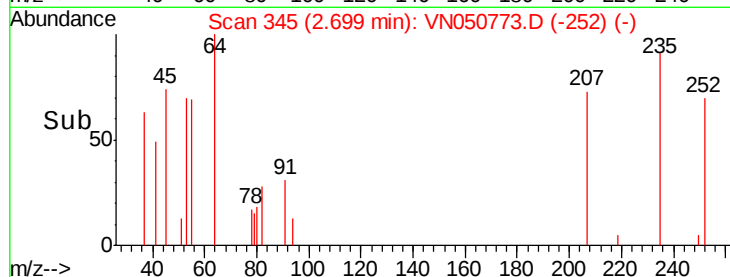
150

100

50

0

Time-->



#10

Methyl Iodide

Concen: 7.17 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

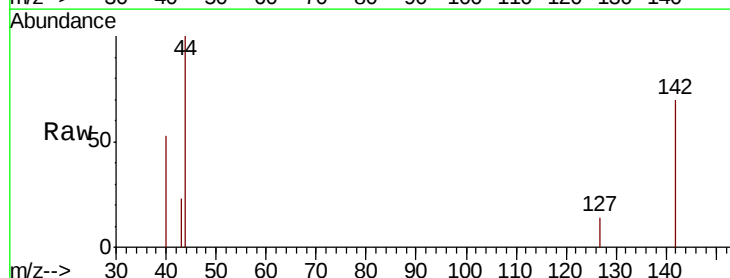
Tgt Ion: 142 Resp: 1442

Ion Ratio Lower Upper

142 100

127 12.2 32.6 49.0#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VN050773.D (-642) (-)

Ion 126.80 (126.50 to 127.50): VN050773.D (-642) (-)

Ion 140.80 (140.50 to 141.50): VN050773.D (-642) (-)

1000

800

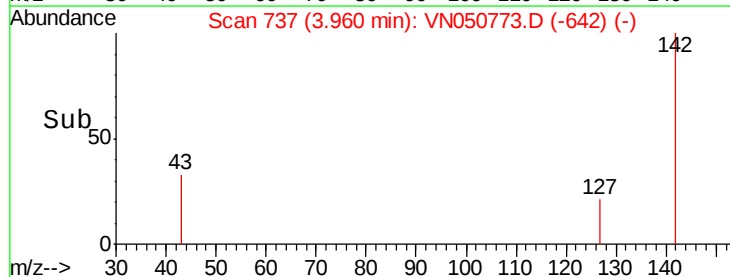
600

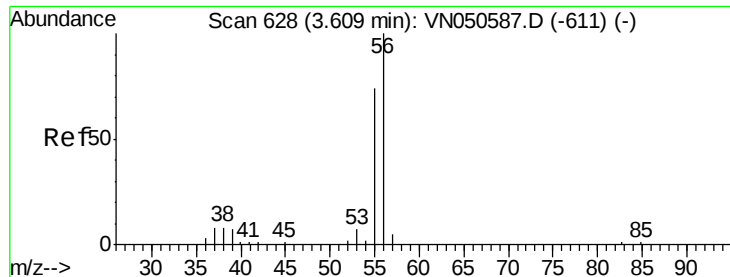
400

200

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.62 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

Instrument :

MSVOA_N

ClientSampleId :

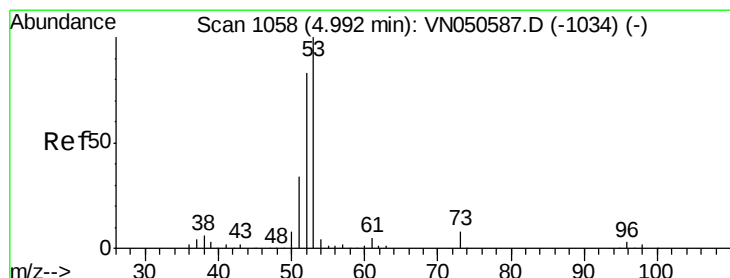
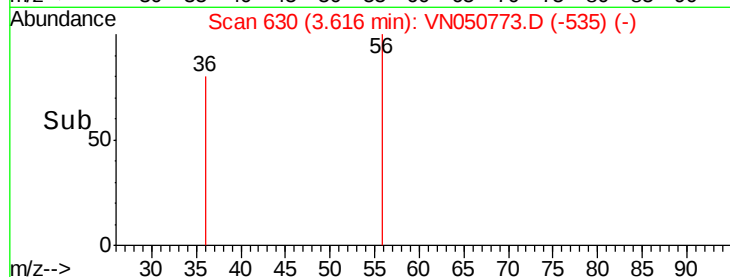
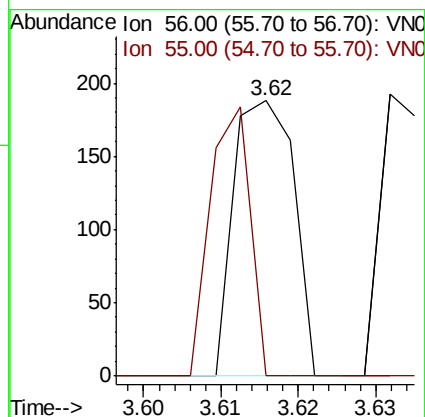
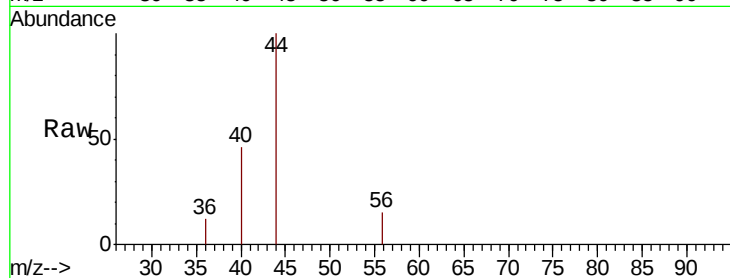
PB112183TB

Tot Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 64.7 56.3 84.5



#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 5.00 min Scan# 1061

Delta R.T. 0.01 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

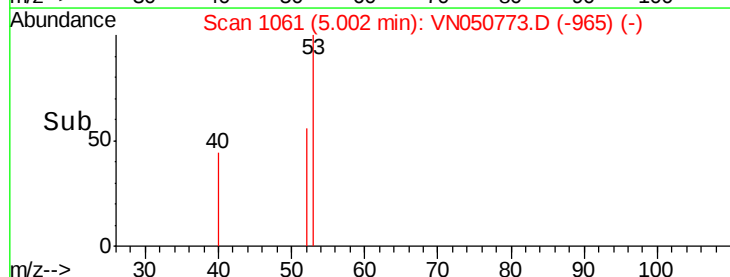
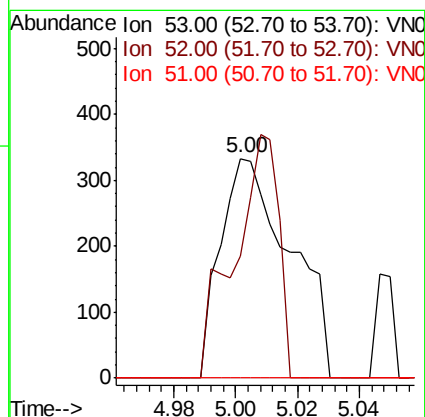
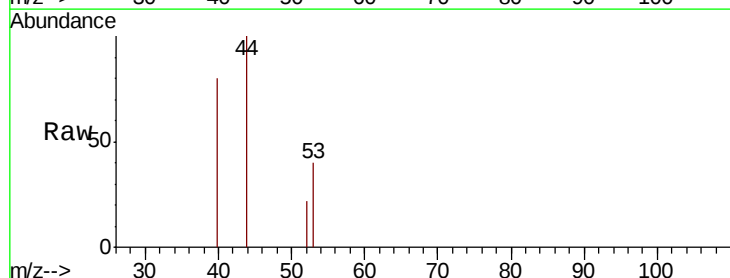
Tgt Ion: 53 Resp: 522

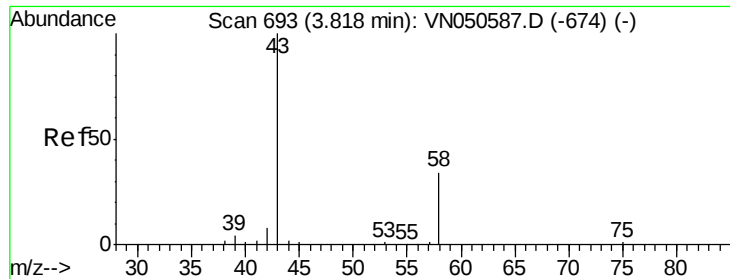
Ion Ratio Lower Upper

53 100

52 70.3 66.2 99.2

51 0.0 28.6 43.0#





#16

Acetone

Concen: 7.17 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

Instrument :

MSVOA_N

ClientSampleId :

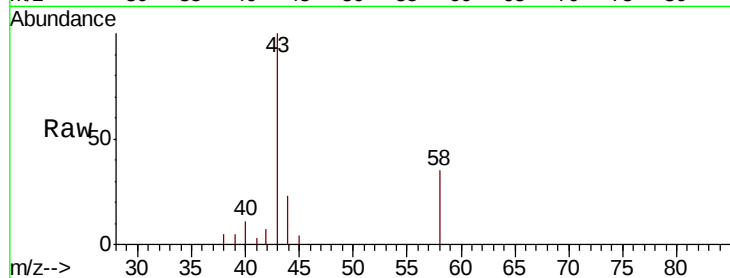
PB112183TB

Tot Ion: 43 Resp: 17629

Ion Ratio Lower Upper

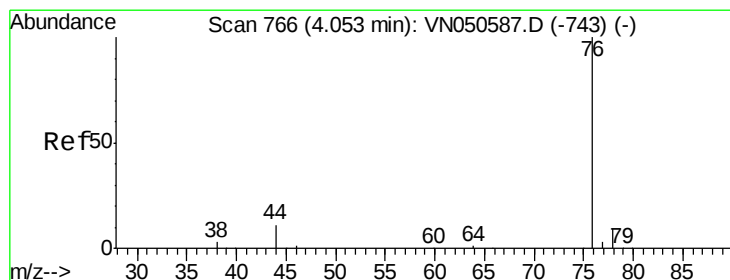
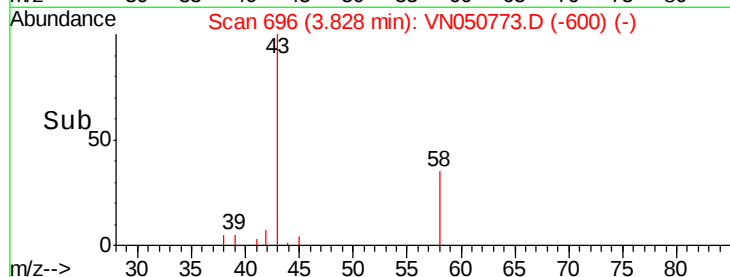
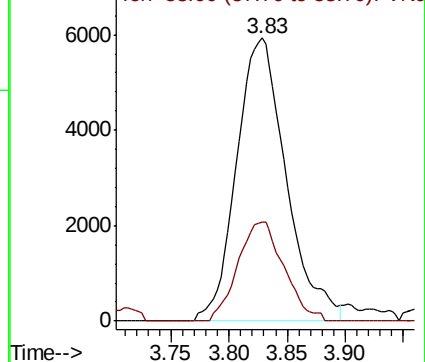
43 100

58 34.8 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.26 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050773.D

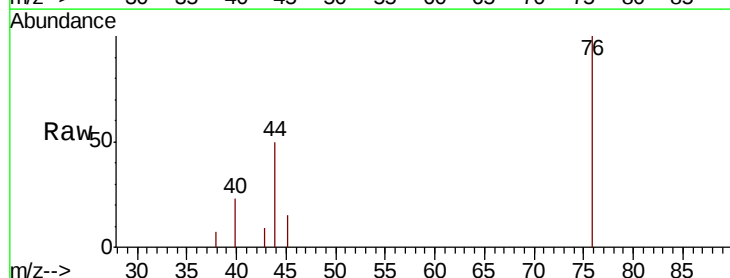
Acq: 20 Aug 2018 14:46

Tgt Ion: 76 Resp: 5738

Ion Ratio Lower Upper

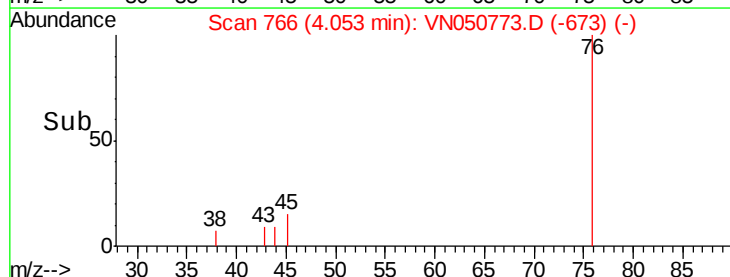
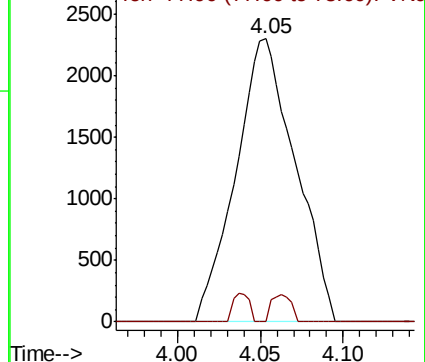
76 100

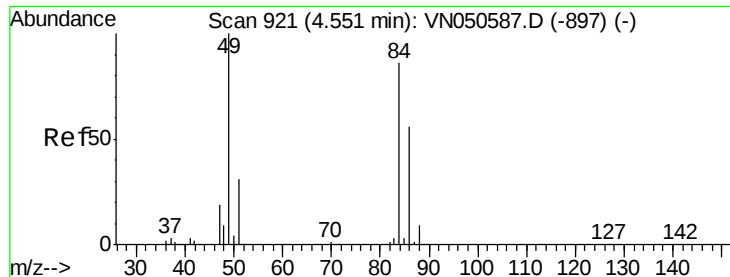
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

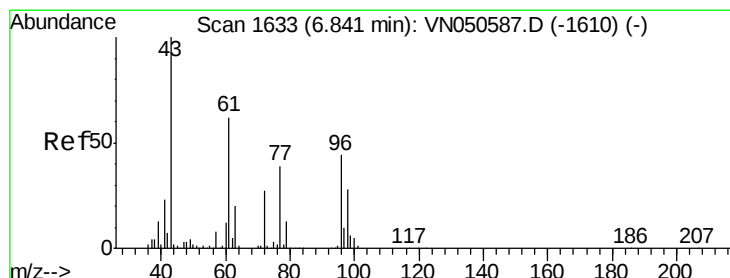
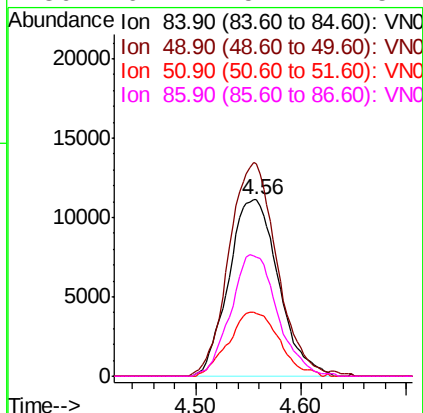
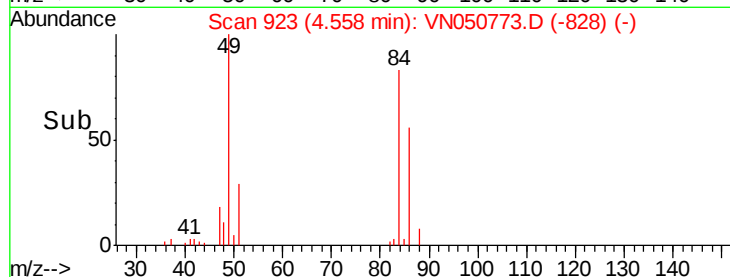
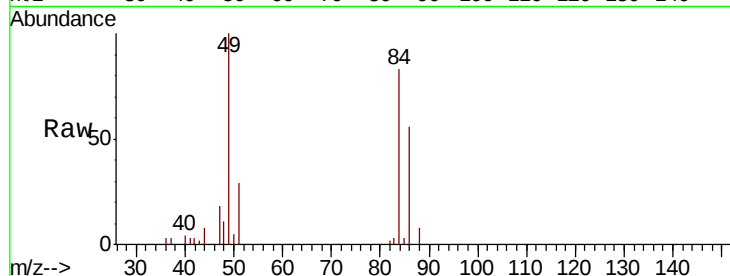




#20
Methvlene Chloride
Concen: 3.49 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050773.D
Acq: 20 Aug 2018 14:46

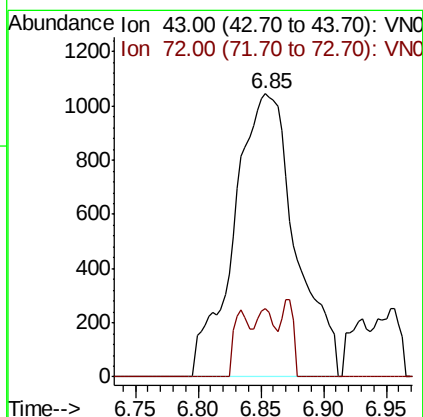
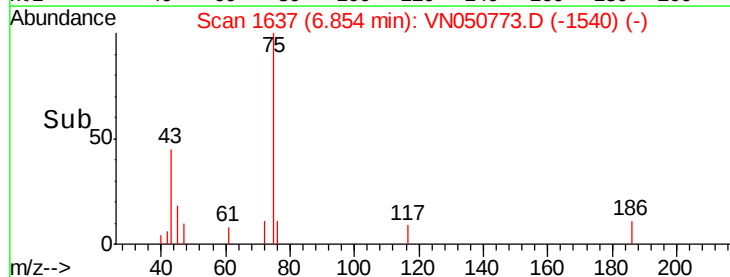
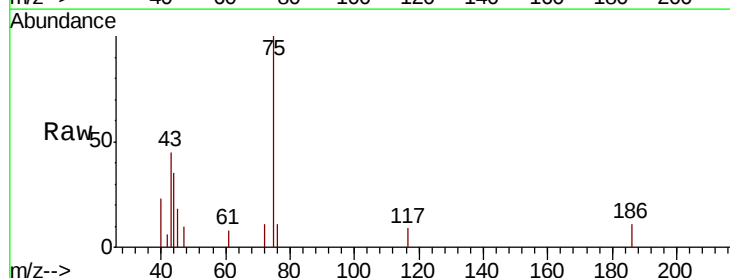
Instrument :
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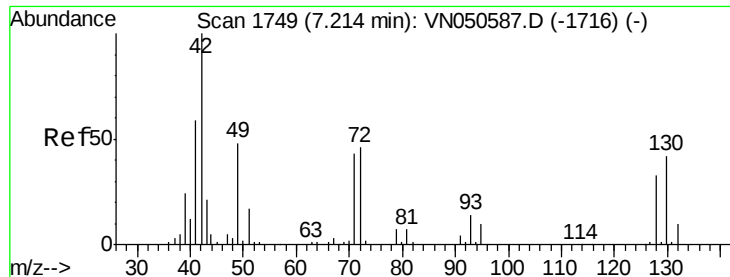
Tot Ion: 84 Resp: 36581
Ion Ratio Lower Upper
84 100
49 120.8 92.6 138.8
51 35.6 28.6 43.0
86 67.7 52.2 78.2



#25
2-Butanone
Concen: 1.06 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050773.D
Acq: 20 Aug 2018 14:46

Tgt Ion: 43 Resp: 3577
Ion Ratio Lower Upper
43 100
72 24.3 21.8 32.6





#29

Tetrahydrofuran

Concen: 0.20 ug/l

RT: 7.21 min Scan# 1747

Delta R.T. -0.01 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

Instrument :

MSVOA_N

ClientSampleId :

PB112183TB

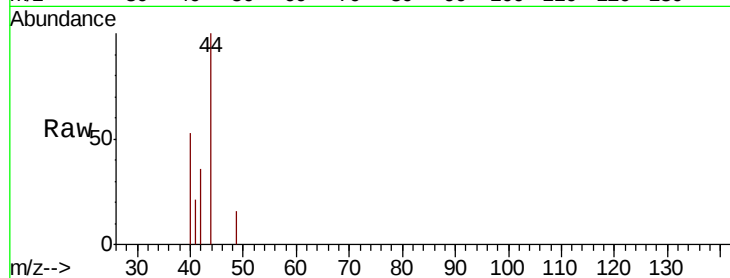
Tot Ion: 42 Resp: 361

Ion Ratio Lower Upper

42 100

72 38.8 35.8 53.6

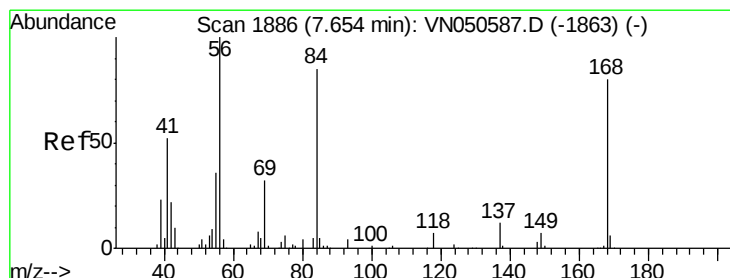
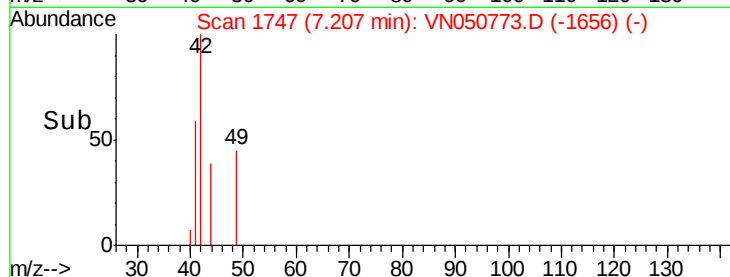
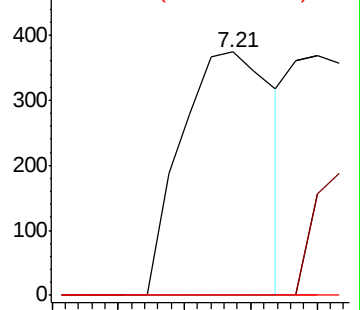
71 0.0 33.4 50.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.59 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

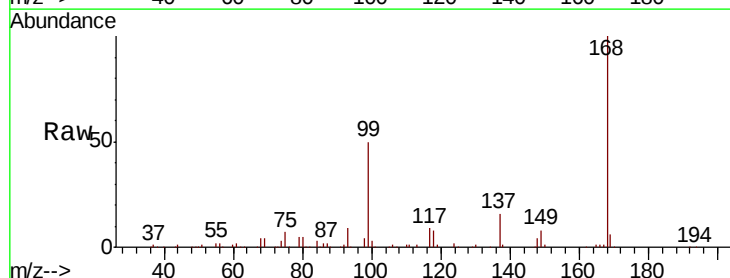
Tgt Ion: 56 Resp: 11669

Ion Ratio Lower Upper

56 100

69 214.8 25.8 38.6#

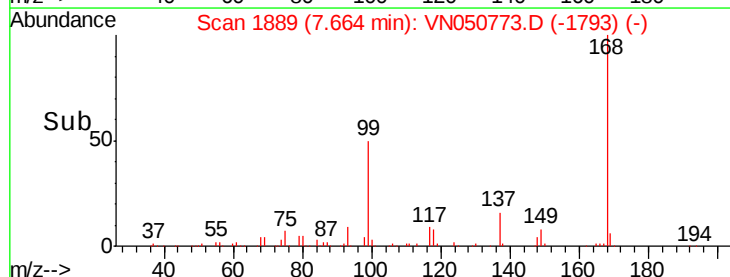
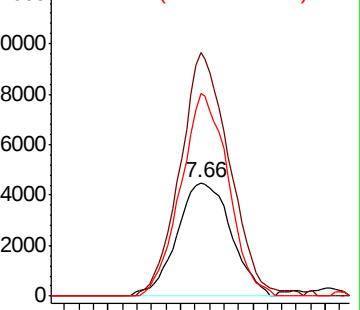
84 179.2 67.8 101.6#

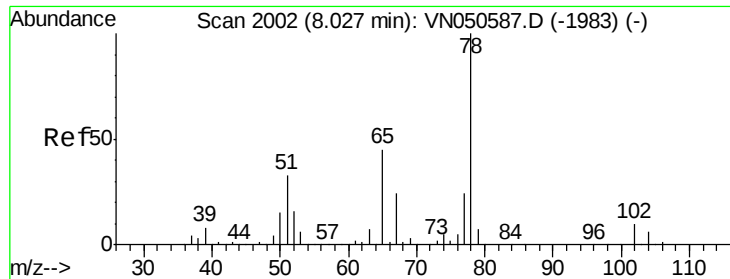


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.62 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

Instrument :

MSVOA_N

ClientSampleId :

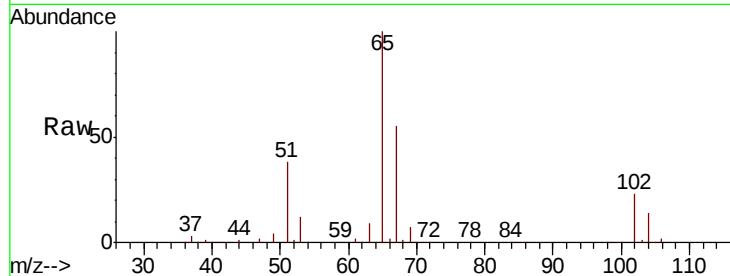
PB112183TB

Tot Ion: 65 Resp: 433284

Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

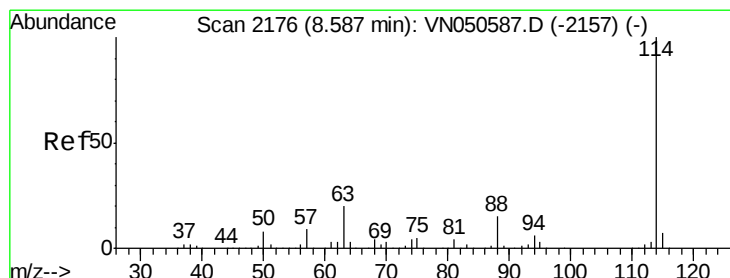
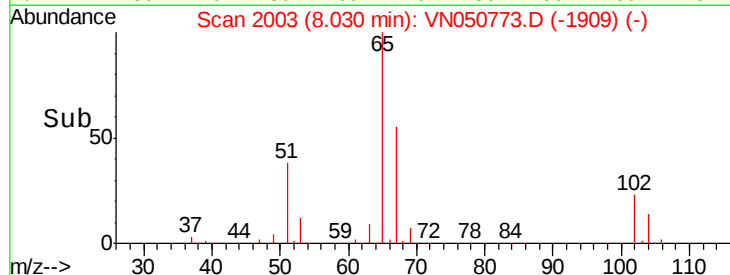
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

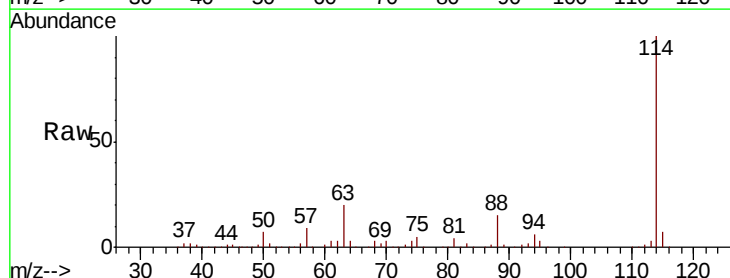
Tgt Ion: 114 Resp: 1071071

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.5 0.0 30.8



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

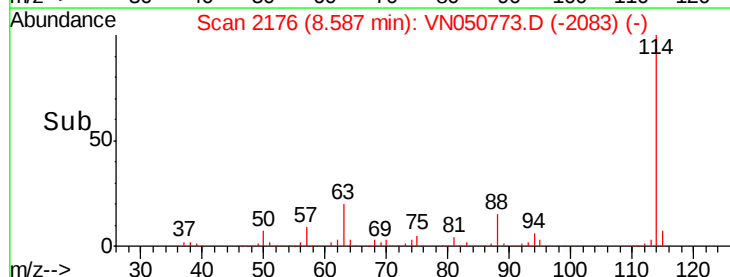
600000

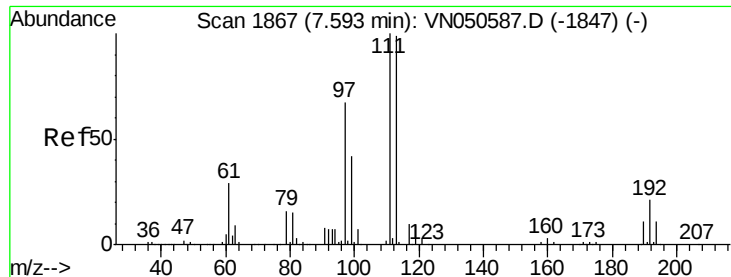
400000

200000

0

Time-->

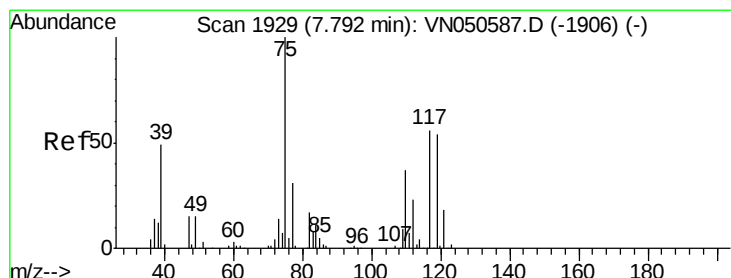
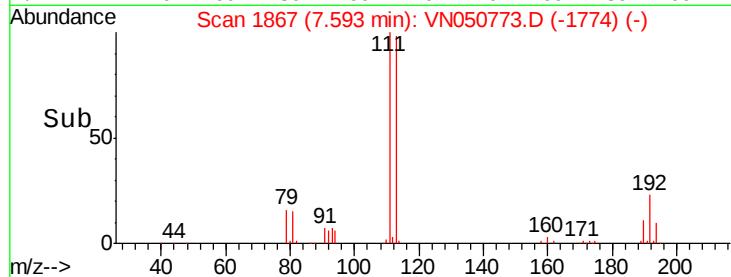
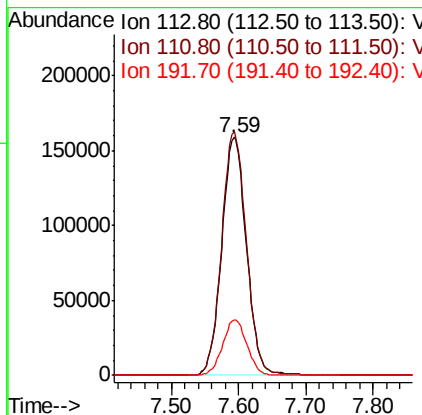
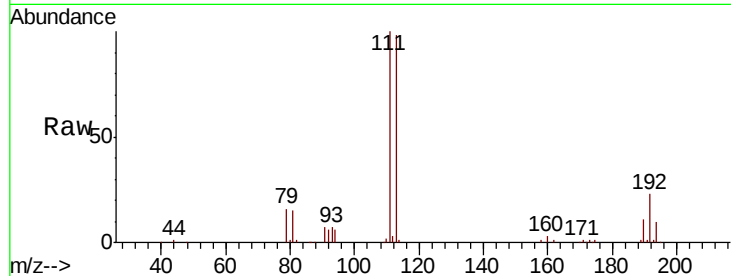




#35
 Dibromofluoromethane
 Concen: 47.57 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050773.D
 Acq: 20 Aug 2018 14:46

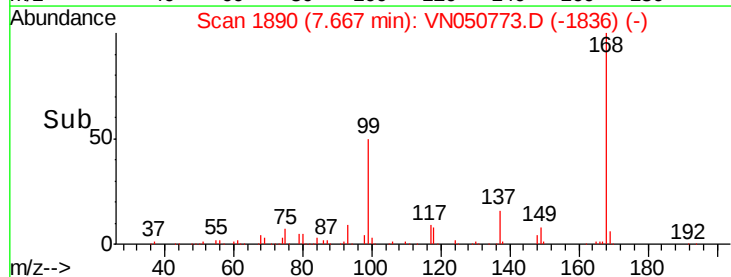
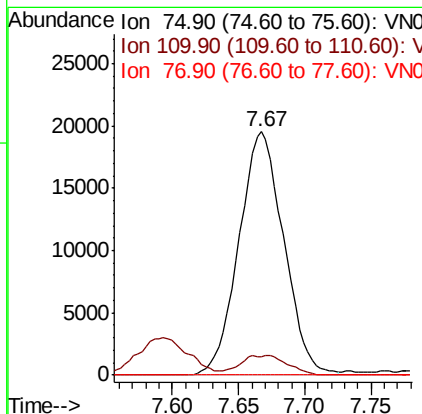
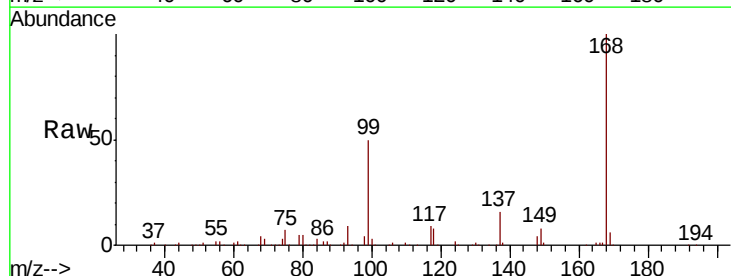
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112183TB

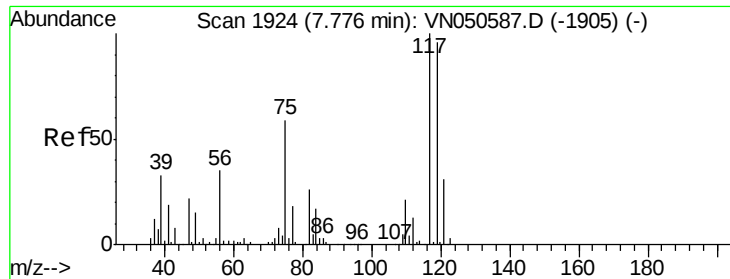
Tot Ion:113 Resp: 406750
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.0 121.6
 192 23.0 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050773.D
 Acq: 20 Aug 2018 14:46

Tgt Ion: 75 Resp: 45949
 Ion Ratio Lower Upper
 75 100
 110 2.9 18.3 54.9#
 77 0.0 25.0 37.4#

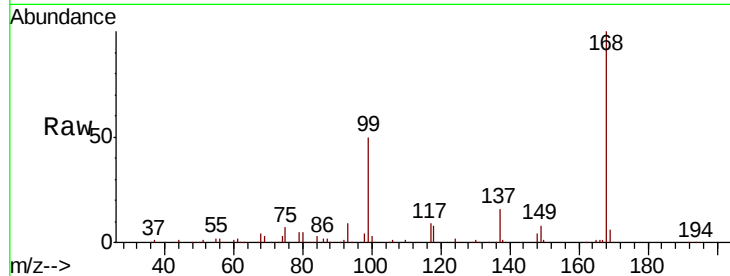




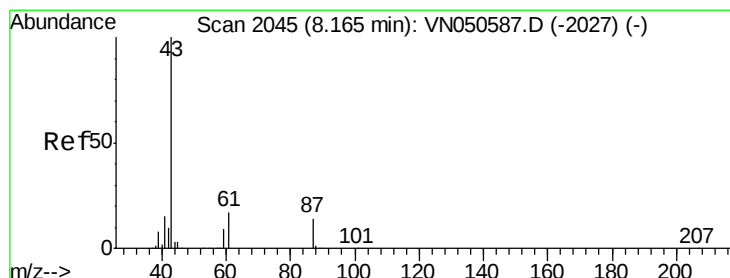
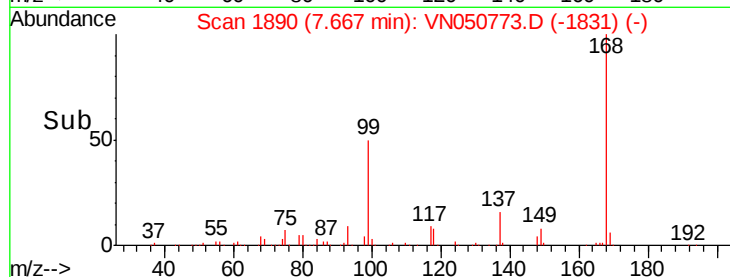
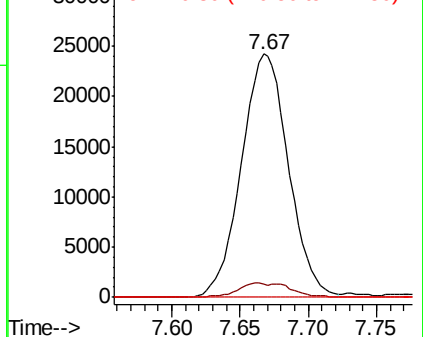
#38
Carbon Tetrachloride
Concen: 4.68 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050773.D
Acq: 20 Aug 2018 14:46

Instrument :
MSVOA_N
ClientSampleId :
PB112183TB

Tot Ion:117 Resp: 57930
Ion Ratio Lower Upper
117 100
119 5.5 76.6 115.0#
121 0.0 25.0 37.6#

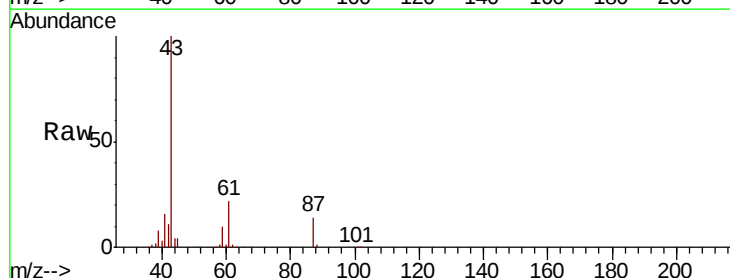


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

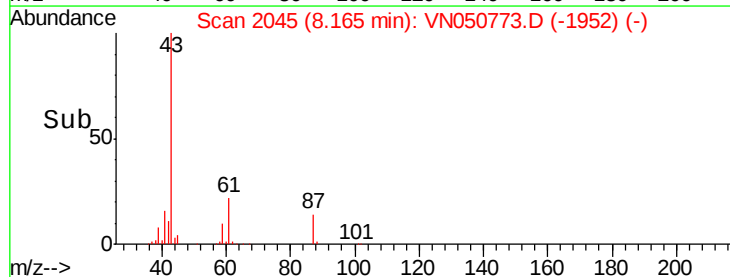
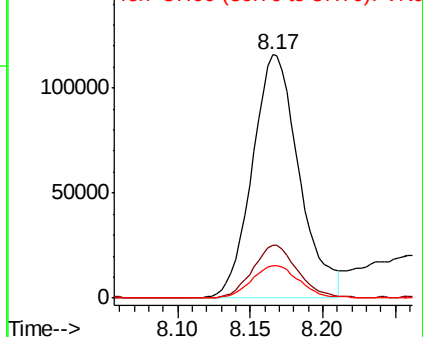


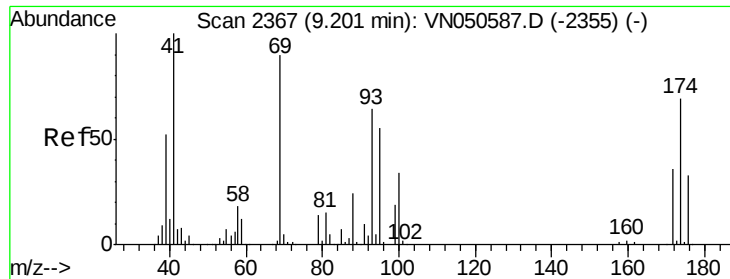
#43
Isopropyl Acetate
Concen: 21.22 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050773.D
Acq: 20 Aug 2018 14:46

Tgt Ion: 43 Resp: 260607
Ion Ratio Lower Upper
43 100
61 20.8 16.2 24.2
87 13.7 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

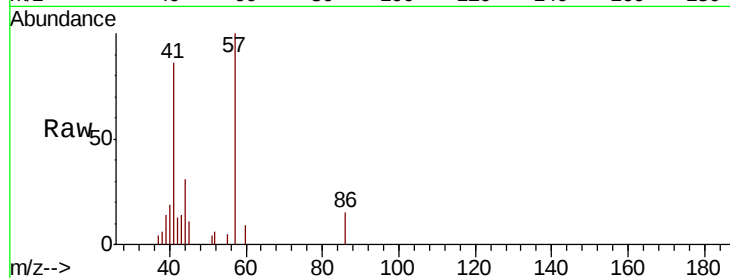




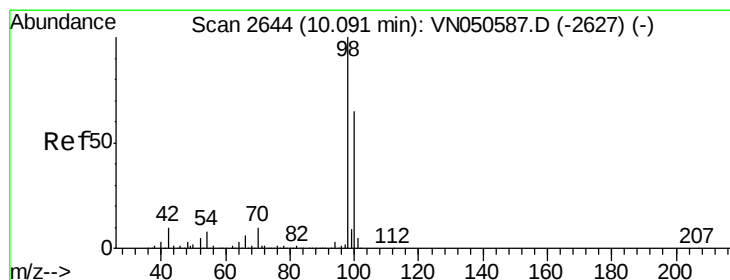
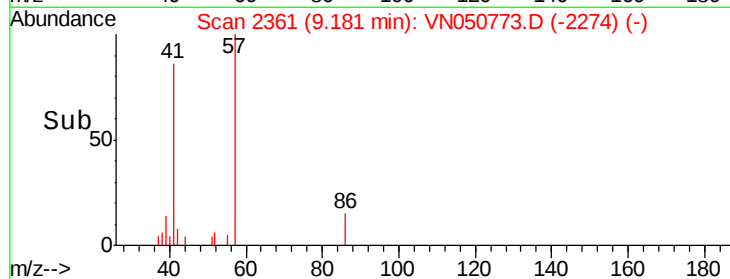
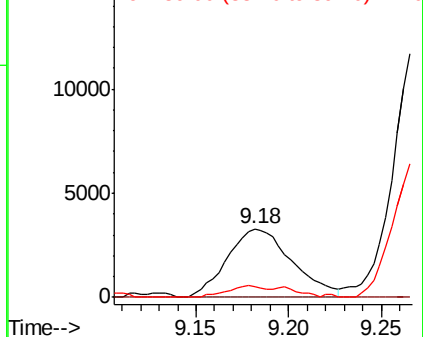
#48
Methyl methacrylate
Concen: 1.29 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050773.D
Acq: 20 Aug 2018 14:46

Instrument :
MSVOA_N
ClientSampleId :
PB112183TB

Tot Ion: 41 Resp: 7974
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.0#
39 9.9 43.0 64.6#

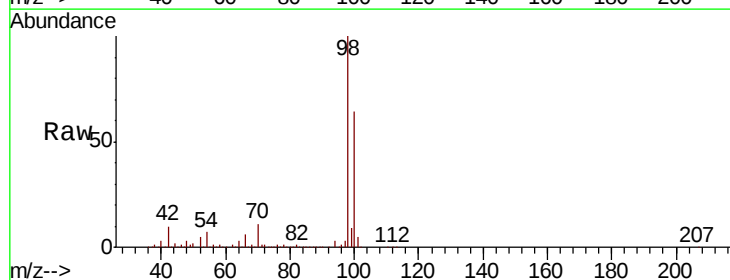


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

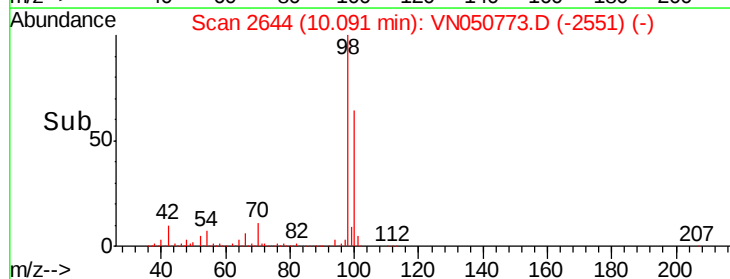
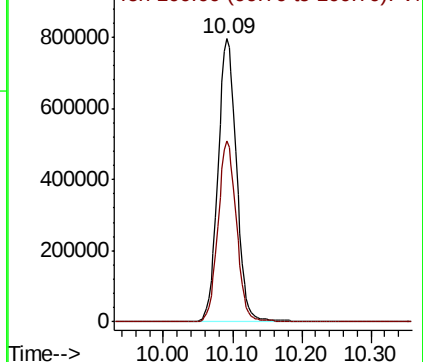


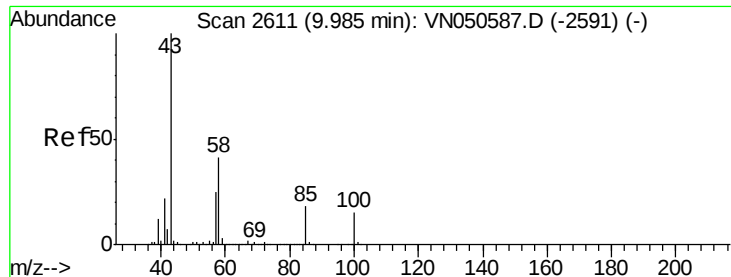
#50
Toluene-d8
Concen: 45.87 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050773.D
Acq: 20 Aug 2018 14:46

Tgt Ion: 98 Resp: 1476298
Ion Ratio Lower Upper
98 100
100 63.3 51.8 77.8



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

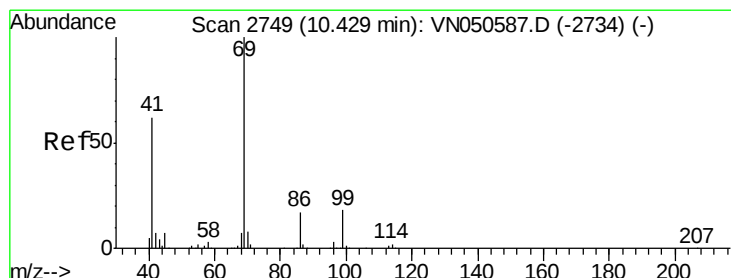
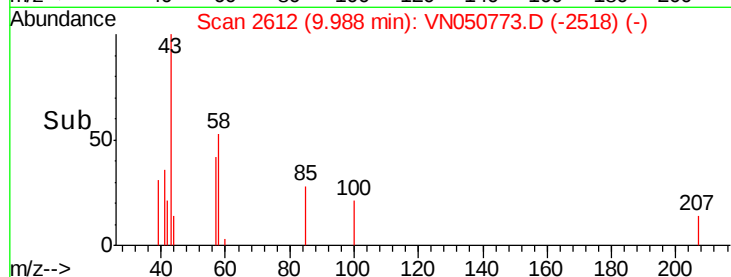
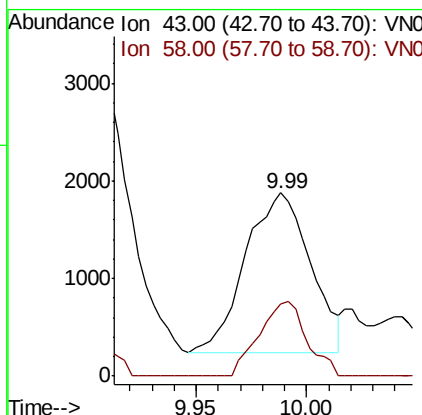
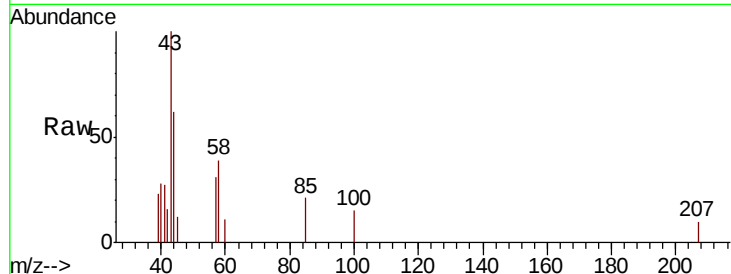




#51
4-Methyl-2-Pentanone
Concen: 0.40 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050773.D
Acq: 20 Aug 2018 14:46

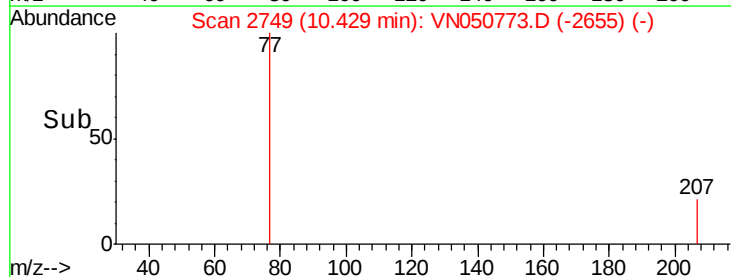
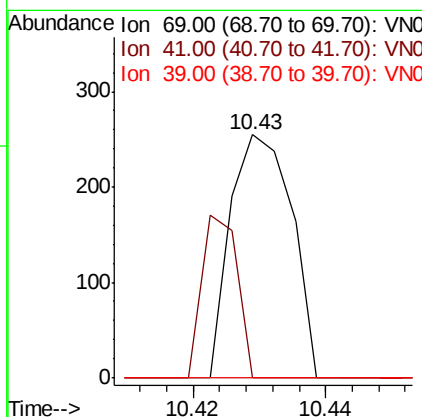
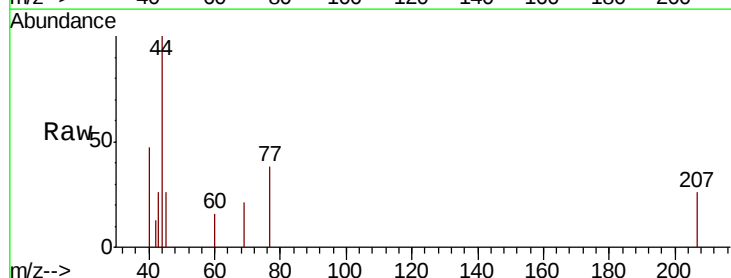
Instrument :
MSVOA_N
ClientSampleID :
PB112183TB

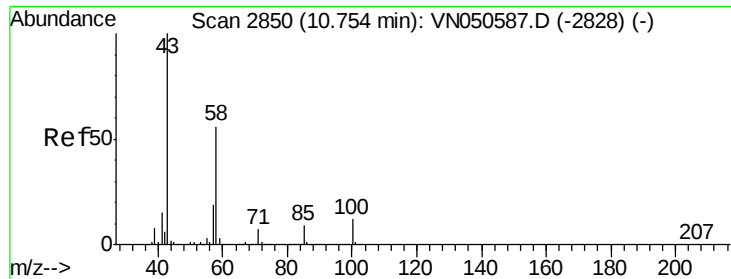
Tot Ion: 43 Resp: 3341
Ion Ratio Lower Upper
43 100
58 34.1 32.5 48.7



#56
Ethyl methacrylate
Concen: 1.92 ug/l
RT: 10.43 min Scan# 2749
Delta R.T. 0.00 min
Lab File: VN050773.D
Acq: 20 Aug 2018 14:46

Tgt Ion: 69 Resp: 163
Ion Ratio Lower Upper
69 100
41 0.0 49.7 74.5#
39 0.0 24.2 36.2#





#59

2-Hexanone

Concen: 3.75 ug/l

RT: 10.76 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

Instrument :

MSVOA_N

ClientSampleId :

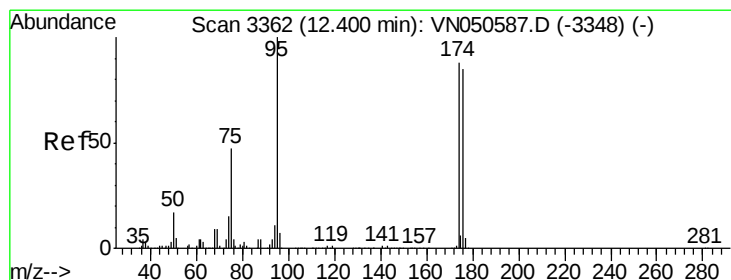
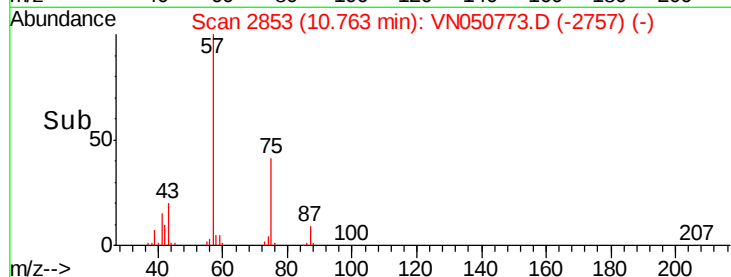
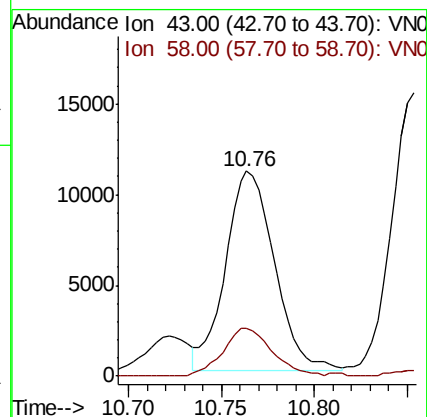
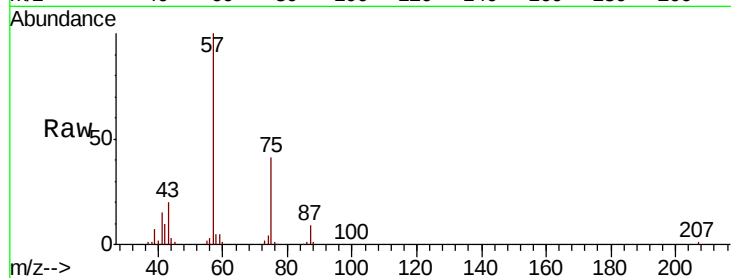
PB112183TB

Tot Ion: 43 Resp: 20079

Ion Ratio Lower Upper

43 100

58 24.5 28.0 84.0#



#62

4-Bromofluorobenzene

Concen: 38.04 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

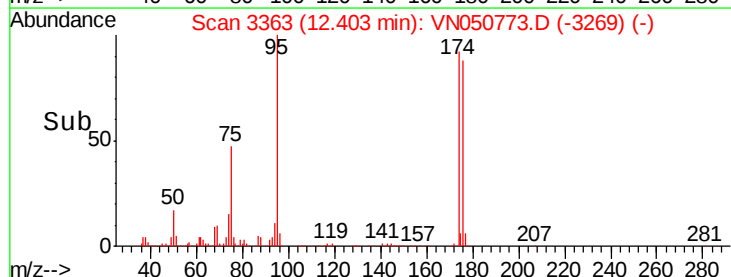
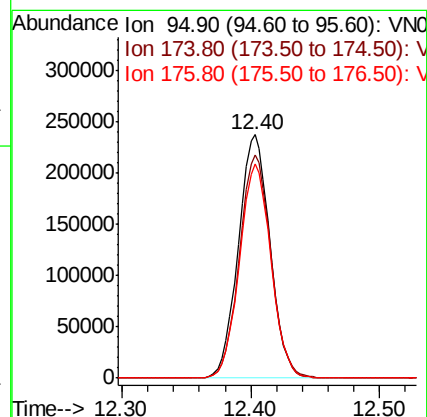
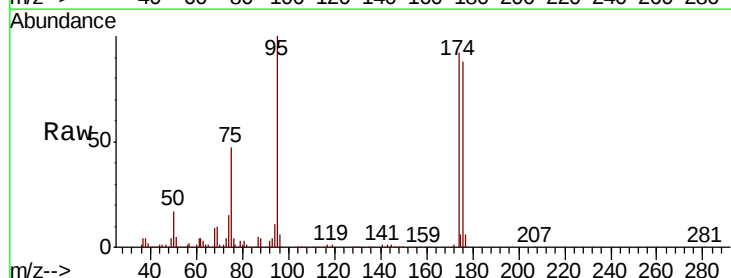
Tgt Ion: 95 Resp: 404469

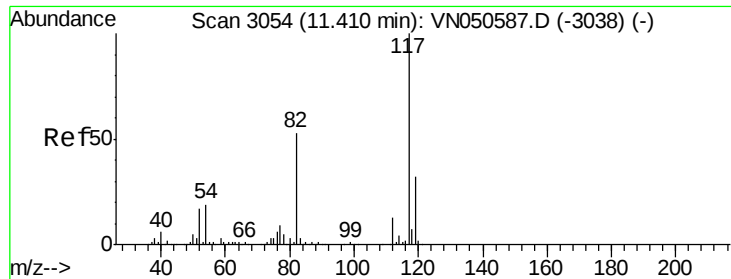
Ion Ratio Lower Upper

95 100

174 91.6 0.0 177.8

176 87.5 0.0 175.0

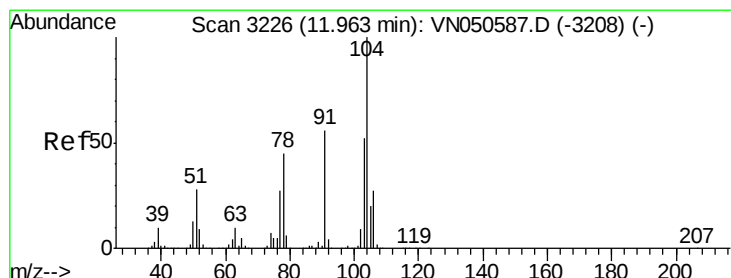
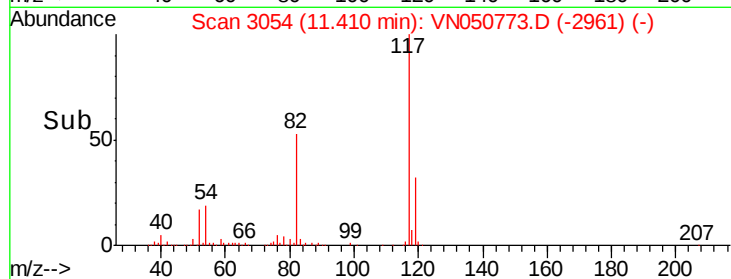
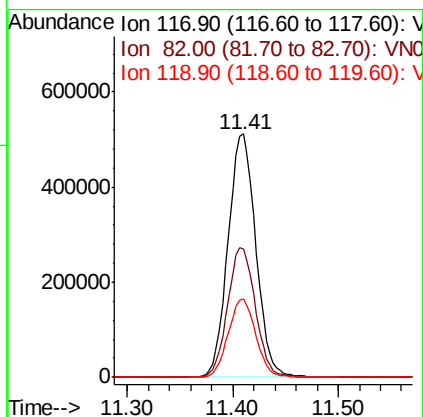
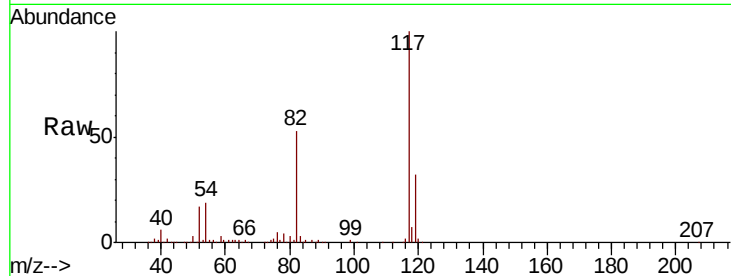




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050773.D
Acq: 20 Aug 2018 14:46

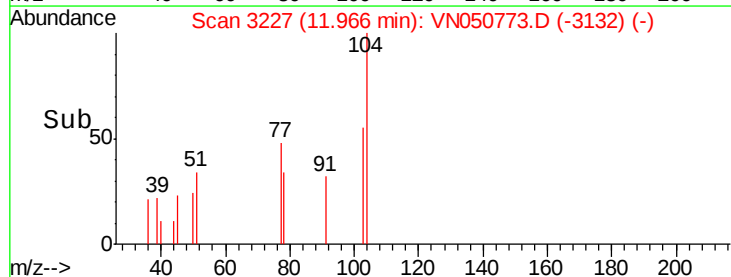
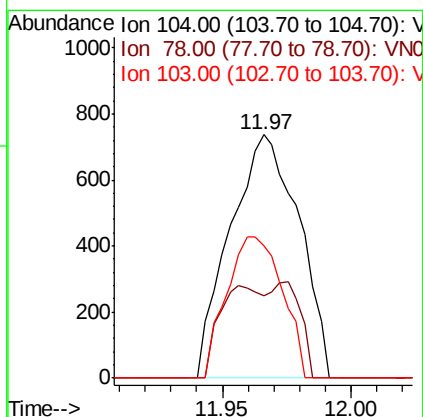
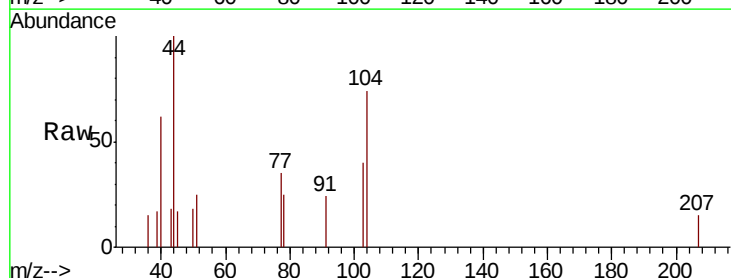
Instrument :
MSVOA_N
ClientSampled :
PB112183TB

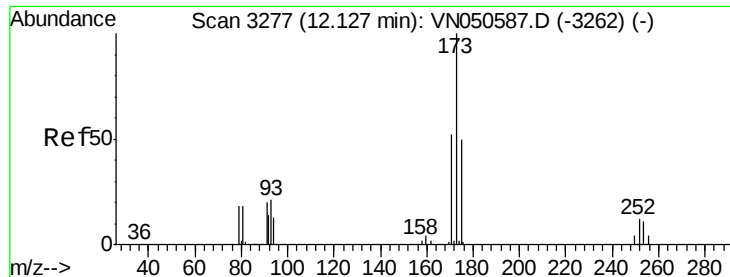
Tot Ion:117 Resp: 931067
Ion Ratio Lower Upper
117 100
82 52.7 42.4 63.6
119 32.0 25.8 38.8



#70
Styrene
Concen: 1.00 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050773.D
Acq: 20 Aug 2018 14:46

Tgt Ion:104 Resp: 1368
Ion Ratio Lower Upper
104 100
78 24.0 39.1 58.7#
103 47.1 44.9 67.3





#71

Bromoform

Concen: 0.33 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

Instrument :

MSVOA_N

ClientSampleId :

PB112183TB

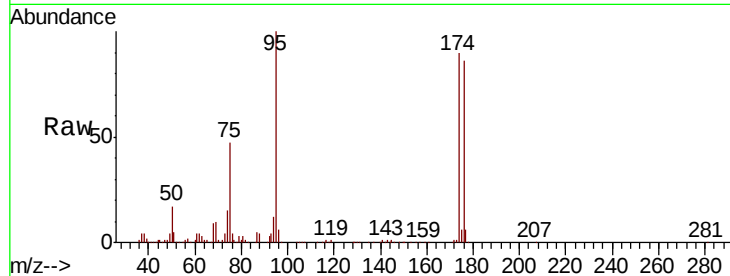
Tot Ion:173 Resp: 1879

Ion Ratio Lower Upper

173 100

175 1187.3 24.4 73.2#

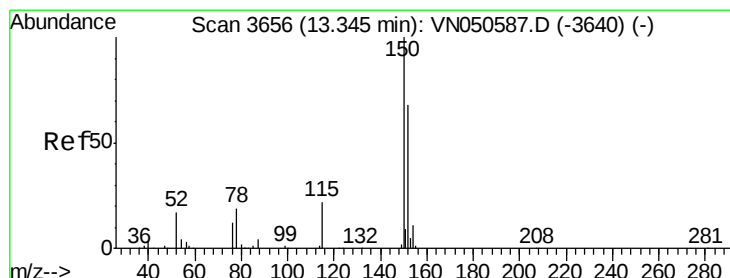
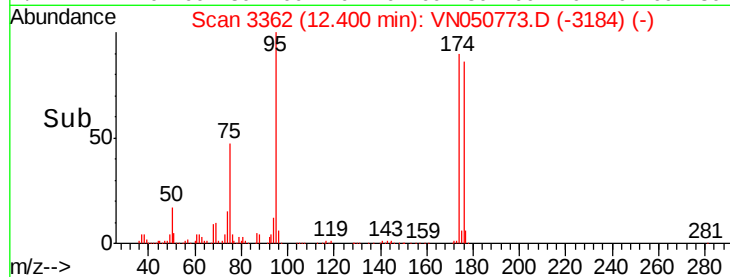
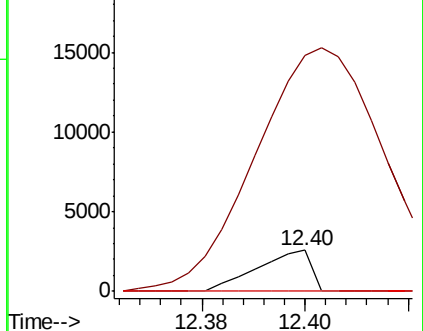
254 0.0 0.0 0.0



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: VN050773.D

Acq: 20 Aug 2018 14:46

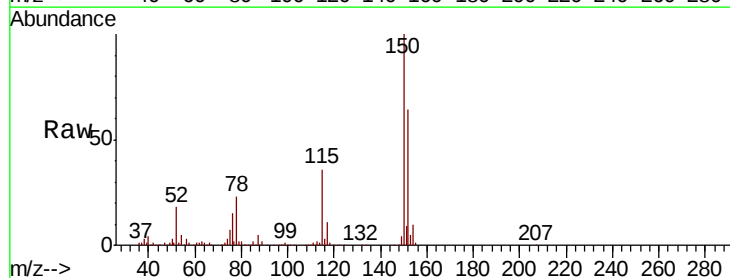
Tgt Ion:152 Resp: 315976

Ion Ratio Lower Upper

152 100

115 55.6 28.1 84.2

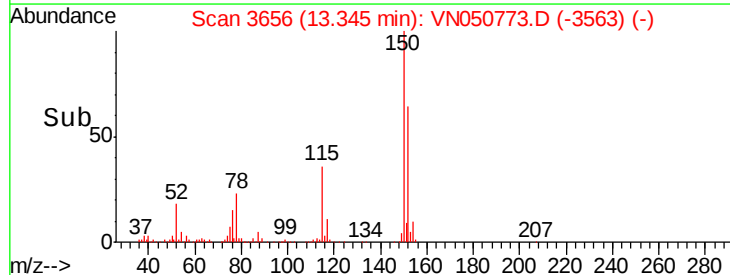
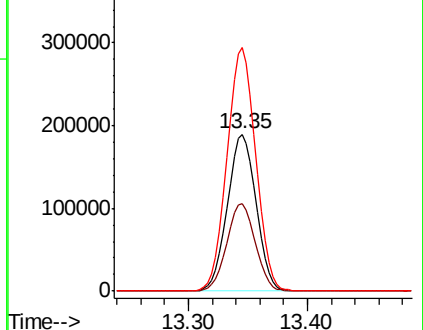
150 155.6 0.0 347.8

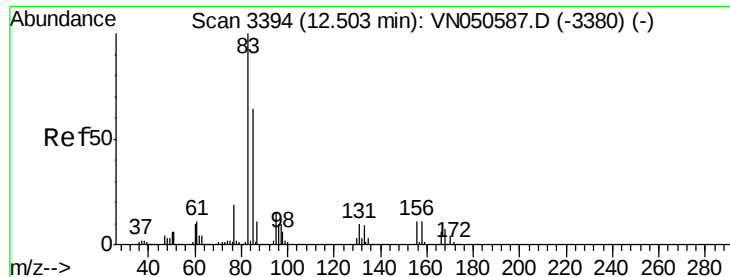


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.01 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

Instrument :

MSVOA_N

ClientSampleId :

PB112183TB

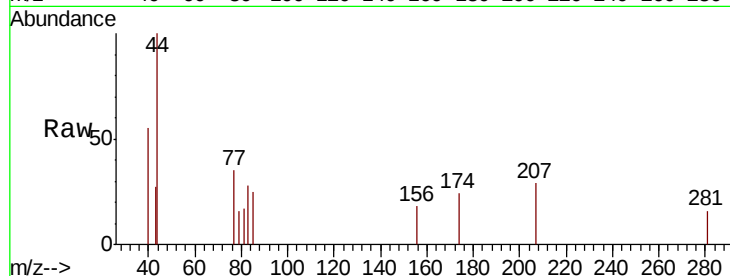
Tot Ion: 83 Resp: 464

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

85 50.4 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

12.51

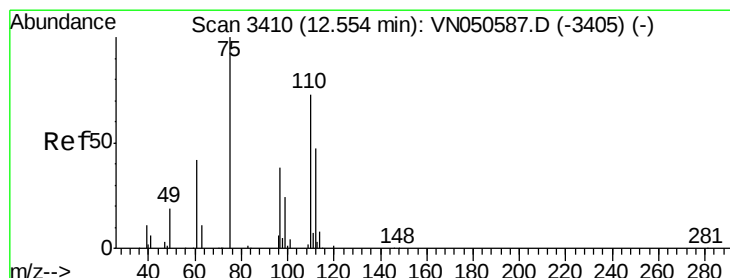
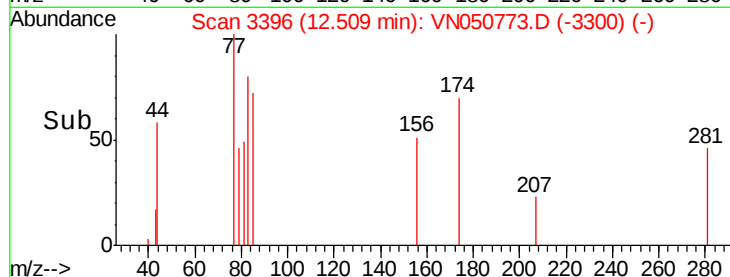
300

200

100

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 37.09 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050773.D

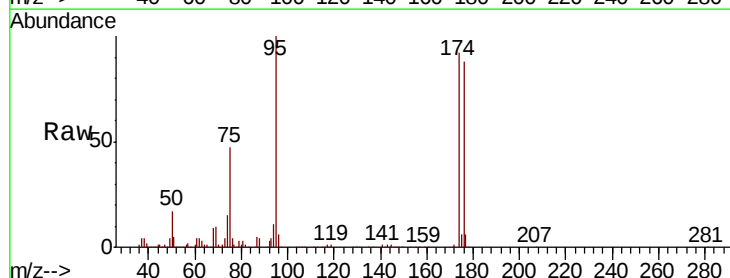
Acq: 20 Aug 2018 14:46

Tgt Ion: 75 Resp: 190718

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

120000

100000

80000

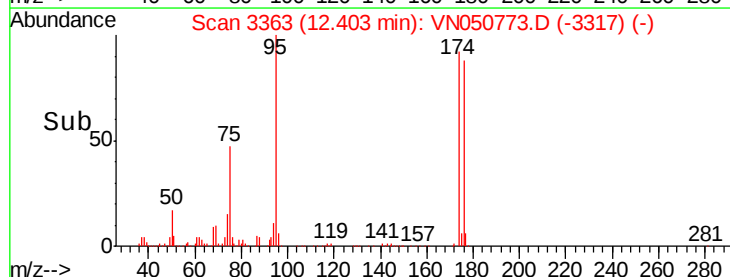
60000

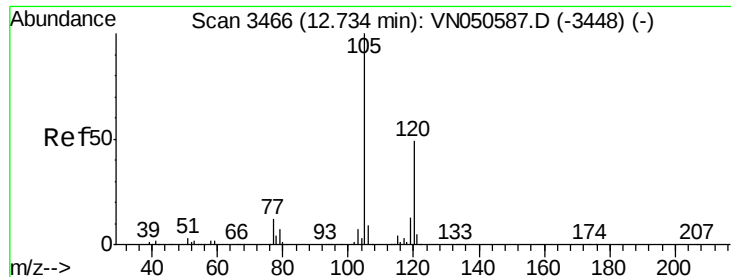
40000

20000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.28 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

Instrument :

MSVOA_N

ClientSampleId :

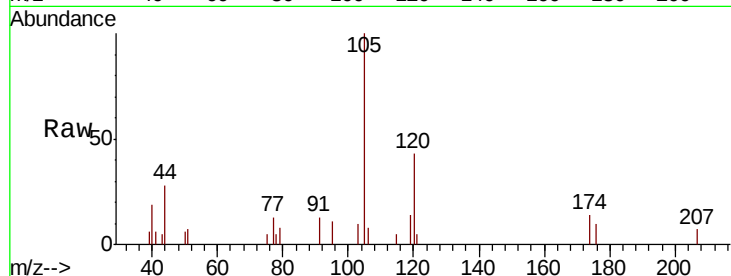
PB112183TB

Tot Ion:105 Resp: 5565

Ion Ratio Lower Upper

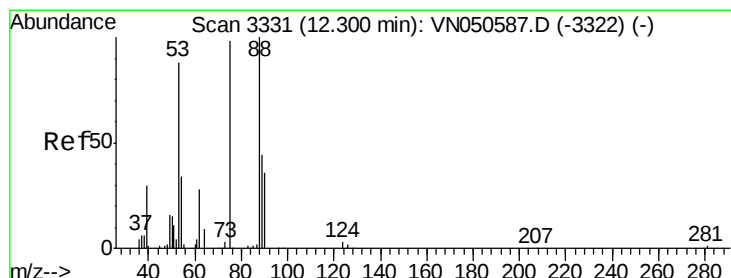
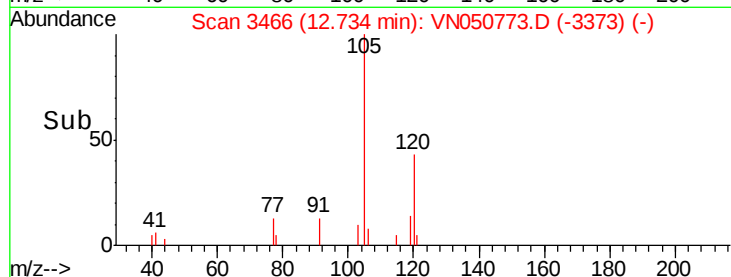
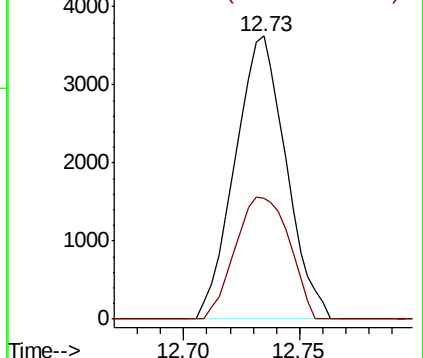
105 100

120 45.4 24.7 74.1



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: 134.19 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

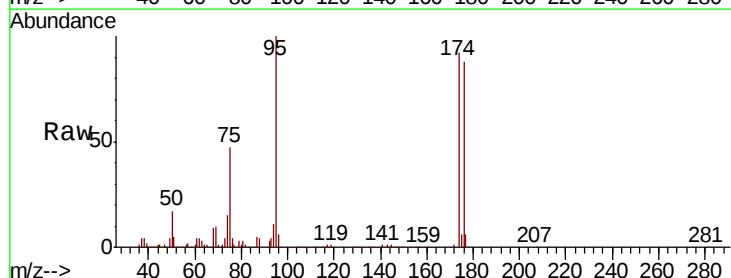
Tgt Ion: 75 Resp: 190718

Ion Ratio Lower Upper

75 100

53 0.1 72.2 108.2#

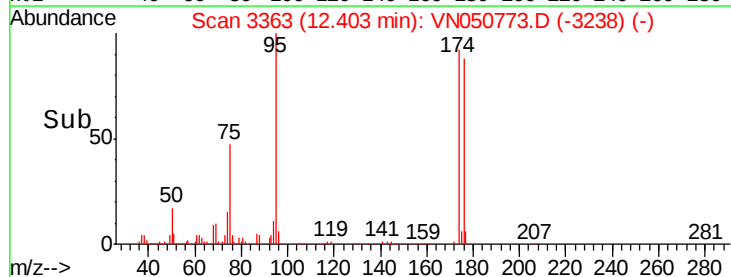
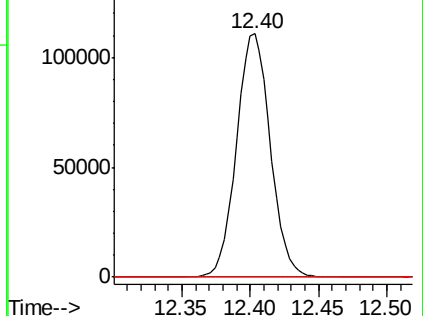
89 0.0 36.3 54.5#

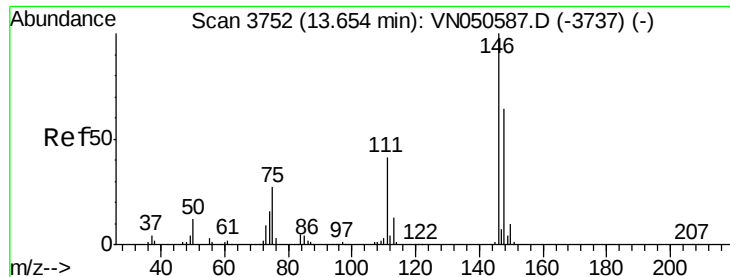


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

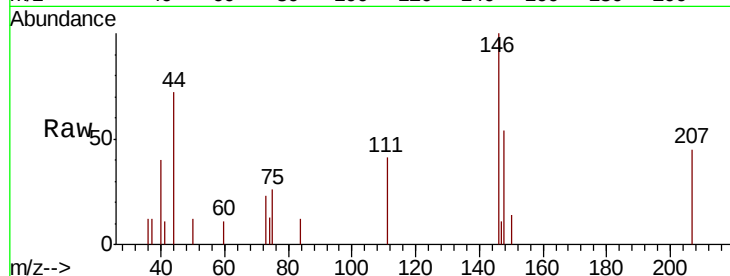




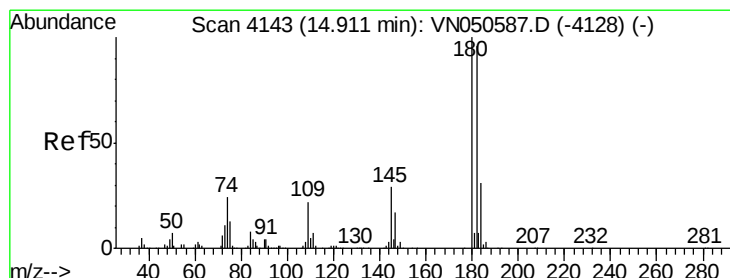
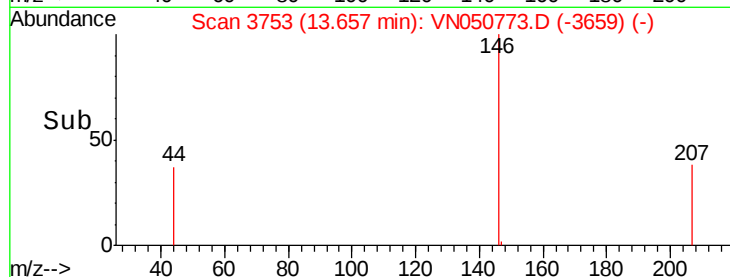
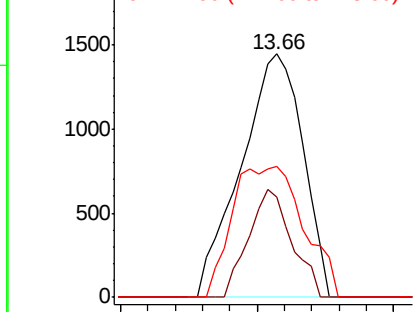
#91
 1,2-Dichlorobenzene
 Concen: 0.20 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050773.D
 Acq: 20 Aug 2018 14:46

Instrument :
 MSVOA_N
 ClientSampled :
 PB112183TB

Tot Ion:146 Resp: 2280
 Ion Ratio Lower Upper
 146 100
 111 31.0 19.8 59.4
 148 62.1 32.3 96.8

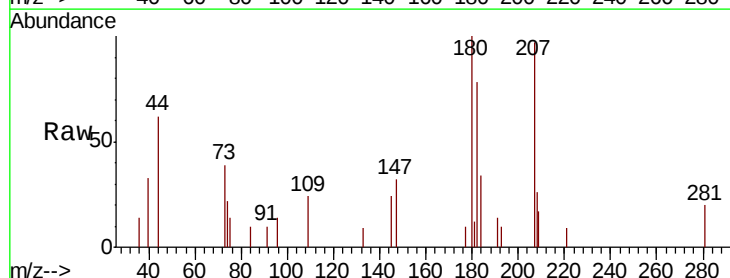


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

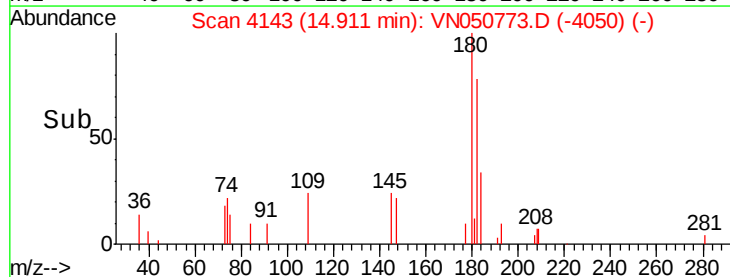
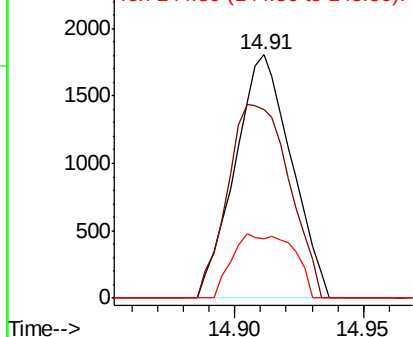


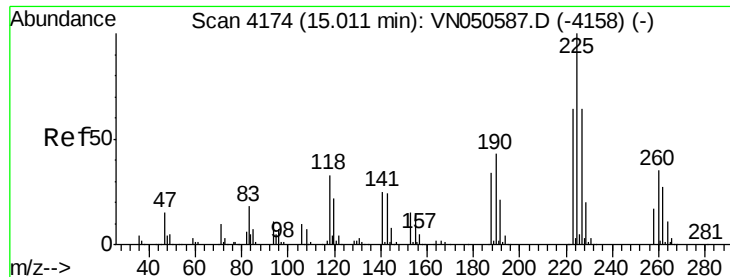
#93
 1,2,4-Trichlorobenzene
 Concen: 3.13 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050773.D
 Acq: 20 Aug 2018 14:46

Tgt Ion:180 Resp: 2737
 Ion Ratio Lower Upper
 180 100
 182 87.1 47.9 143.7
 145 28.5 14.4 43.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.34 ug/l

RT: 15.01 min Scan# 4174

Delta R.T. 0.00 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

Instrument :

MSVOA_N

ClientSampleId :

PB112183TB

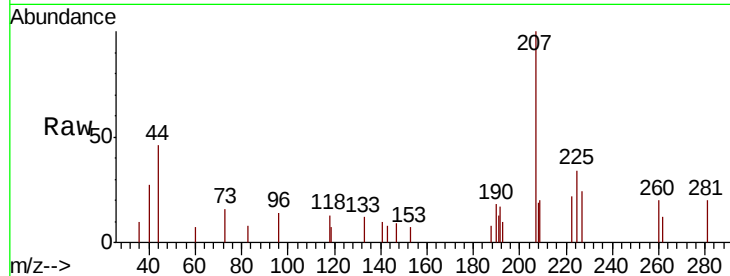
Tot Ion:225 Resp: 1156

Ion Ratio Lower Upper

225 100

223 76.1 32.1 96.3

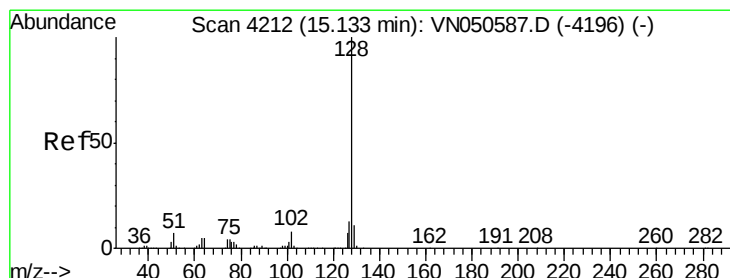
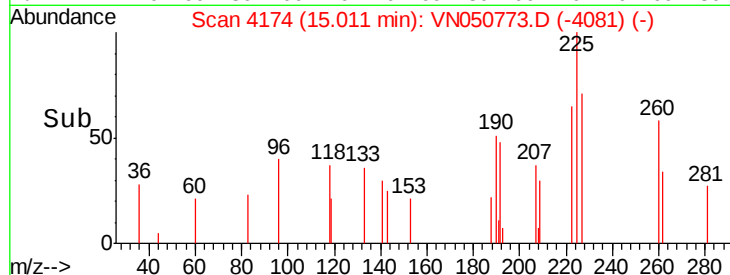
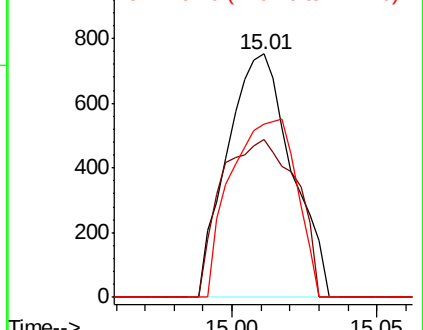
227 75.0 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.33 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050773.D

Acq: 20 Aug 2018 14:46

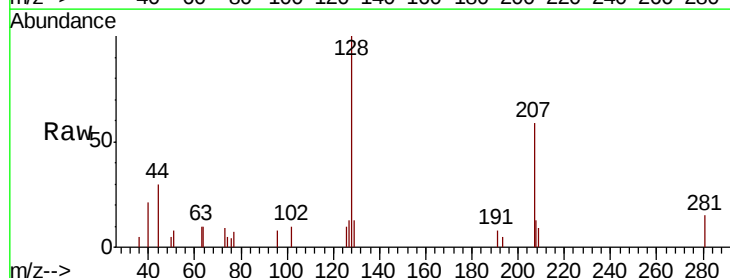
Tgt Ion:128 Resp: 6236

Ion Ratio Lower Upper

128 100

127 12.2 10.3 15.5

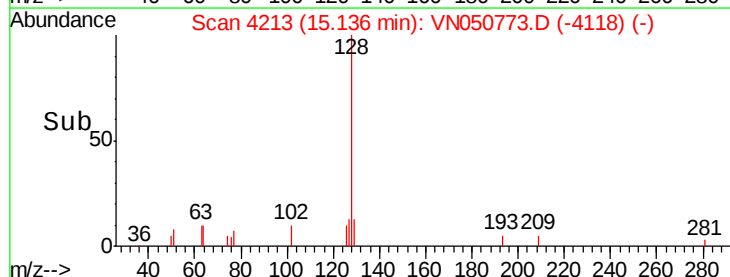
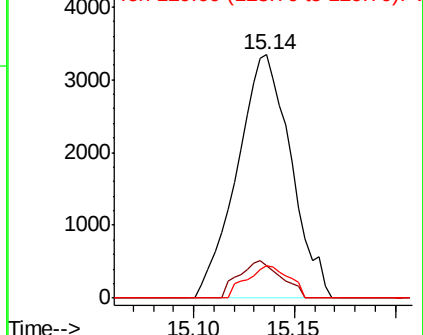
129 10.5 8.5 12.7

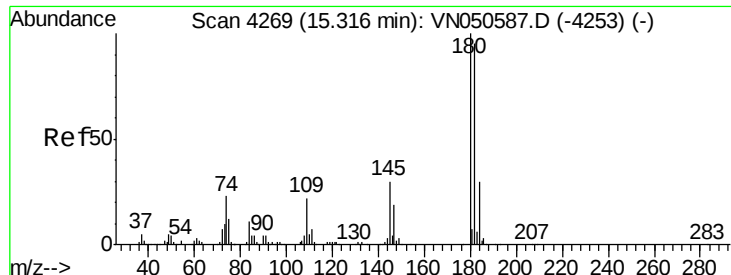


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.48 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.01 min
 Lab File: VN050773.D
 Acq: 20 Aug 2018 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112183TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.2	47.3	141.8
145	29.7	14.6	44.0

