

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050453.D
 Acq On : 8 Aug 2018 12:46
 Operator : MD\SY
 Sample : VN0808WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBL01

Quant Time: Aug 08 14:37:59 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	897065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1370191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1208831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	481654	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	550206	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	
35) Dibromofluoromethane	7.59	113	513633	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
50) Toluene-d8	10.09	98	1913016	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
62) 4-Bromofluorobenzene	12.40	95	582738	41.36	ug/l	0.00
Spiked Amount			Recovery	=	82.72%	

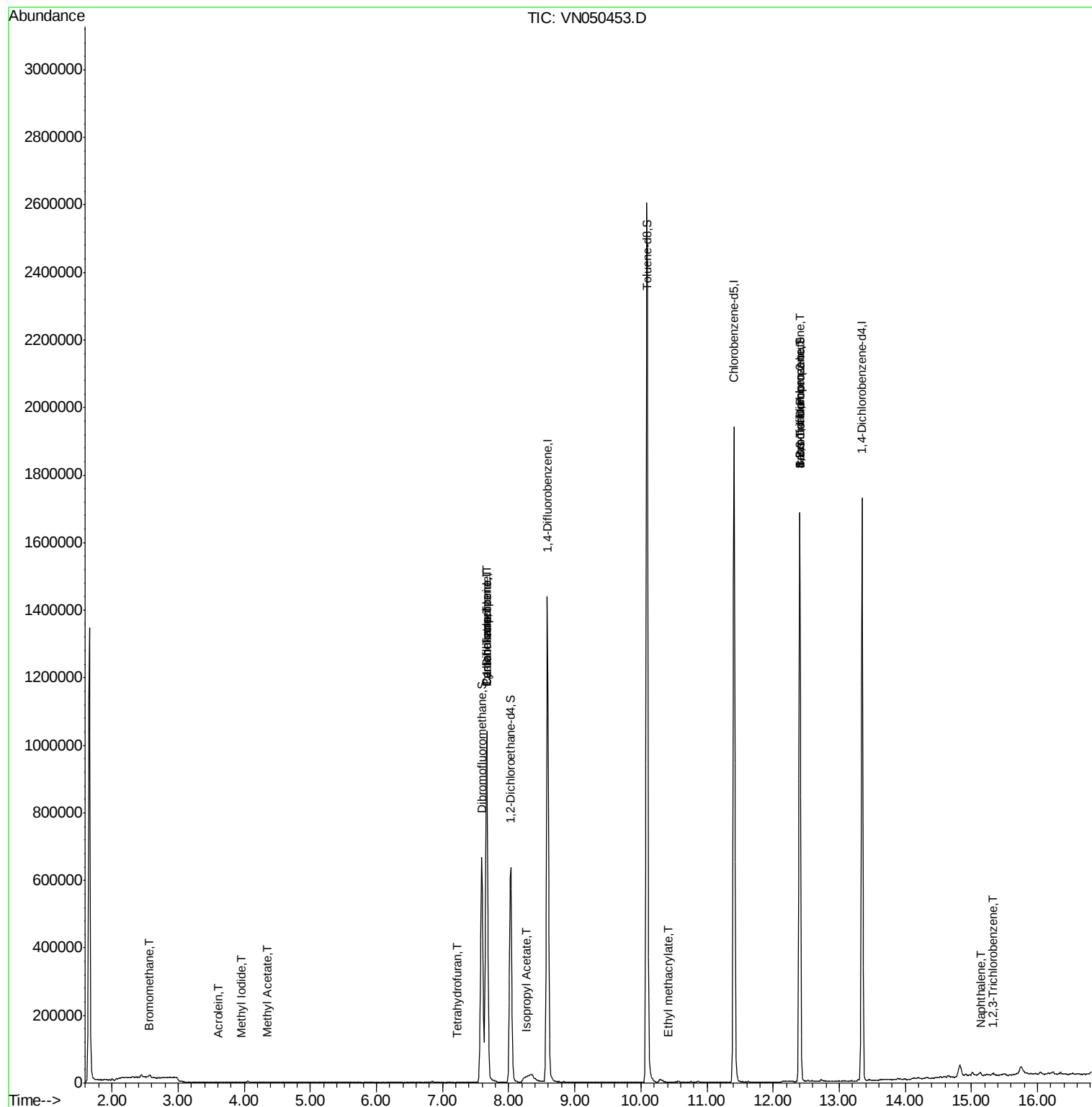
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3128	Below Cal		96
5) Bromomethane	2.57	94	4795	0.93 ug/l		86
10) Methyl Iodide	3.96	142	1426	0.31 ug/l	#	56
13) Acrolein	3.60	56	176	15.16 ug/l	#	1
18) Methyl Acetate	4.35	43	4506	0.29 ug/l	#	68
20) Methylene Chloride	4.56	84	1455	Below Cal	#	54
29) Tetrahydrofuran	7.23	42	829	0.26 ug/l	#	32
31) Cyclohexane	7.67	56	15222	0.26 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	60168	4.00 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	79410	5.06 ug/l	#	16
43) Isopropyl Acetate	8.26	43	20766	1.11 ug/l	#	61
56) Ethyl methacrylate	10.41	69	64	1.71 ug/l	#	1
71) Bromoform	12.40	173	3060	0.38 ug/l	#	1
76) 1,2,3-Trichloropropane	12.40	75	276550	31.72 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	276550	111.45 ug/l	#	13
94) Hexachlorobutadiene	15.01	225	1259	Below Cal		86
95) Naphthalene	15.14	128	6793	3.89 ug/l	#	96
96) 1,2,3-Trichlorobenzene	15.32	180	2212	0.25 ug/l		93

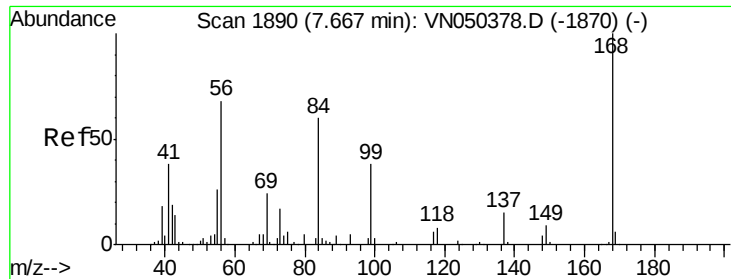
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1890

Delta R.T. 0.00 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

Instrument :

MSVOA_N

ClientSampleId :

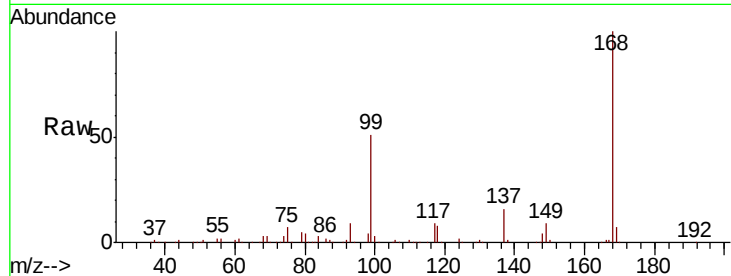
VN0808WBL01

Tot Ion:168 Resp: 897065

Ion Ratio Lower Upper

168 100

99 50.6 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

400000

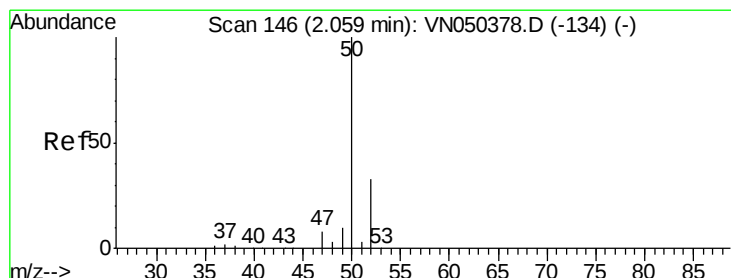
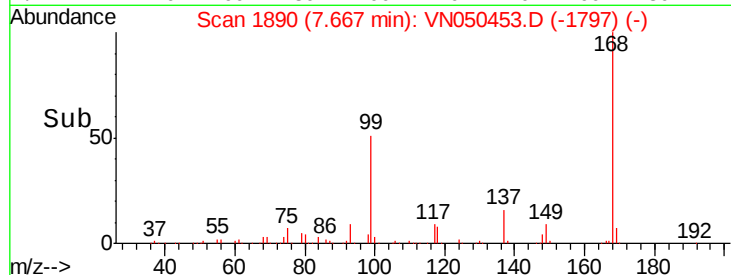
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050453.D

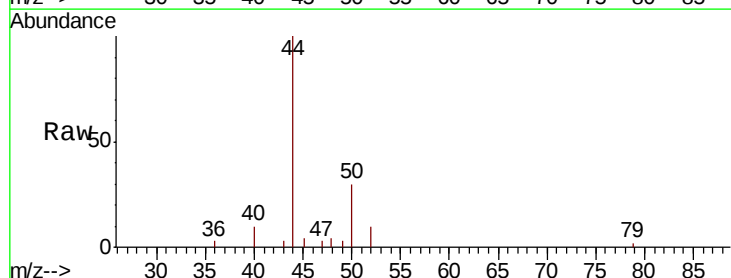
Acq: 8 Aug 2018 12:46

Tgt Ion: 50 Resp: 3128

Ion Ratio Lower Upper

50 100

52 34.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2500

2000

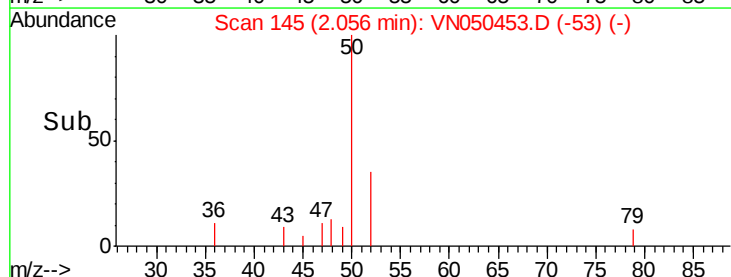
1500

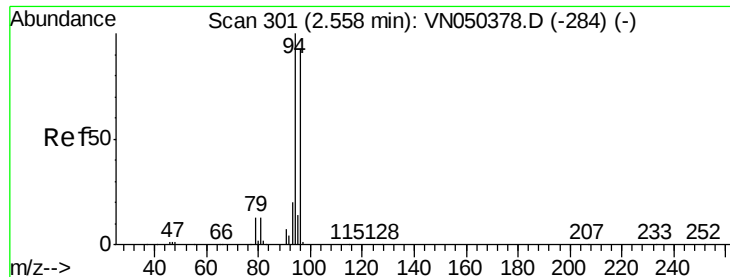
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.93 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

Instrument :

MSVOA_N

ClientSampleId :

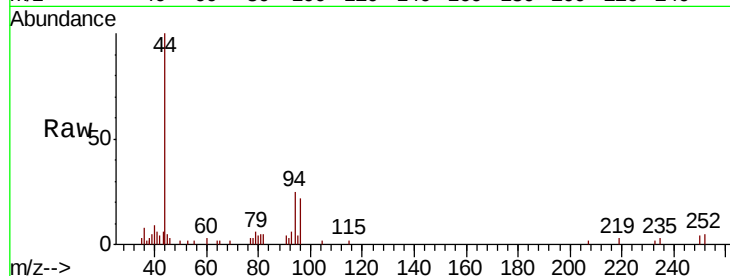
VN0808WBL01

Tot Ion: 94 Resp: 4795

Ion Ratio Lower Upper

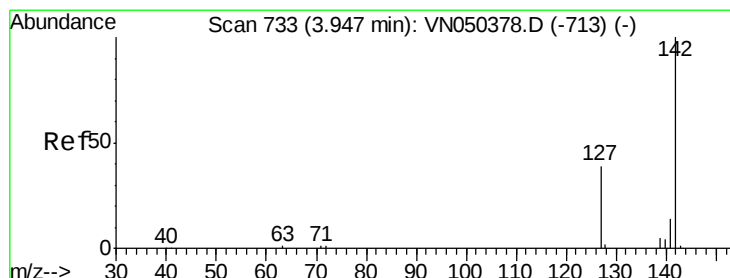
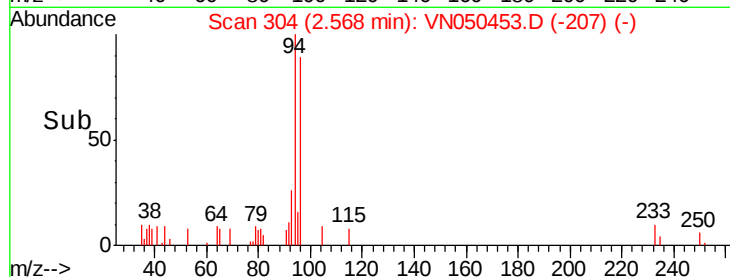
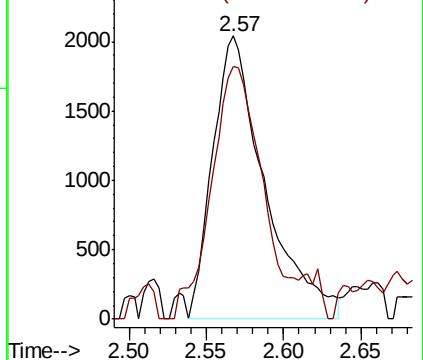
94 100

96 80.1 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: 0.31 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

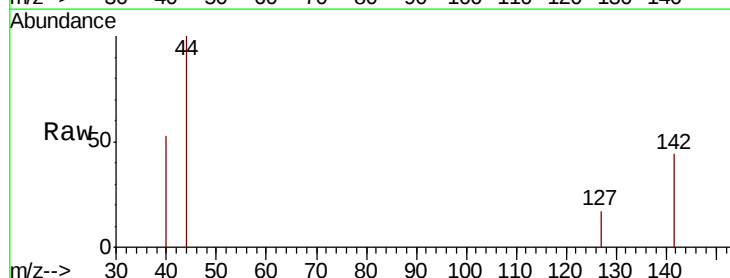
Tgt Ion: 142 Resp: 1426

Ion Ratio Lower Upper

142 100

127 12.0 33.4 50.2#

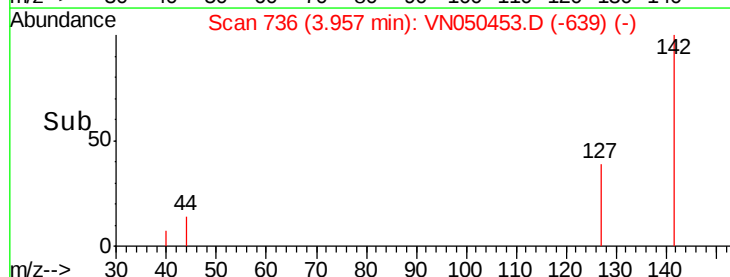
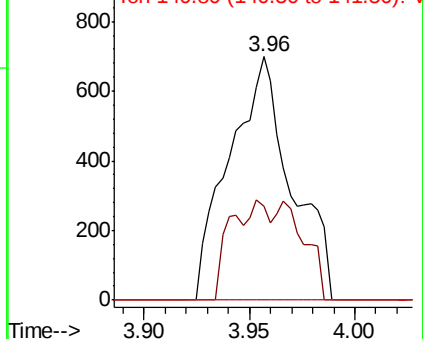
141 0.0 11.6 17.4#

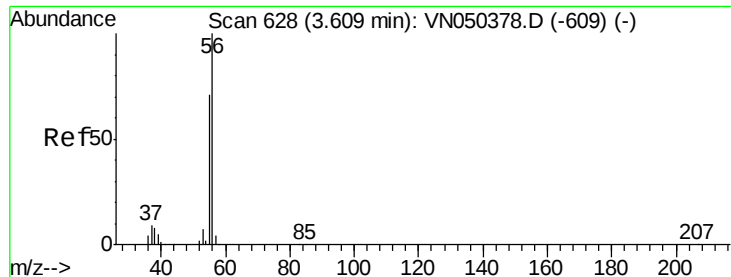


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 15.16 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

Instrument :

MSVOA_N

ClientSampleId :

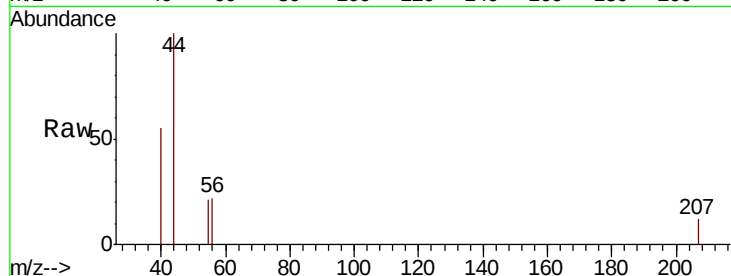
VN0808WBL01

Tot Ion: 56 Resp: 176

Ion Ratio Lower Upper

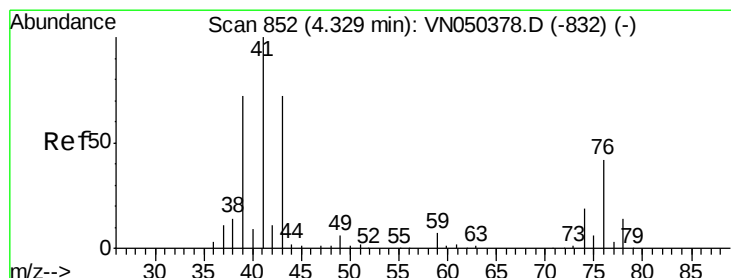
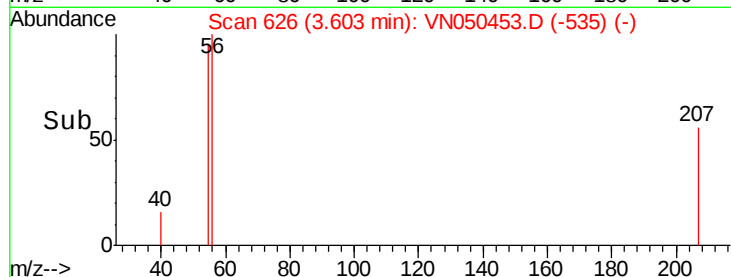
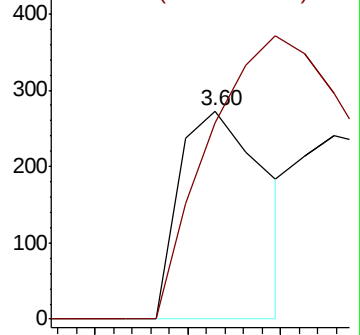
56 100

55 235.8 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#18

Methyl Acetate

Concen: 0.29 ug/l

RT: 4.35 min Scan# 857

Delta R.T. 0.02 min

Lab File: VN050453.D

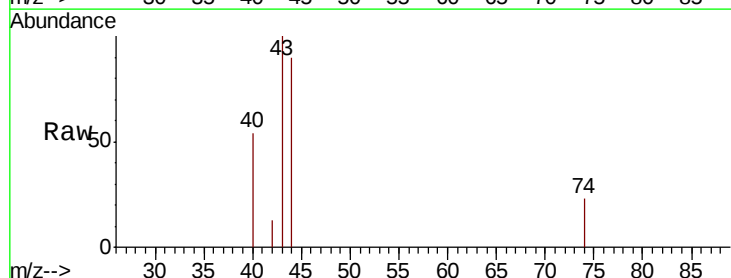
Acq: 8 Aug 2018 12:46

Tgt Ion: 43 Resp: 4506

Ion Ratio Lower Upper

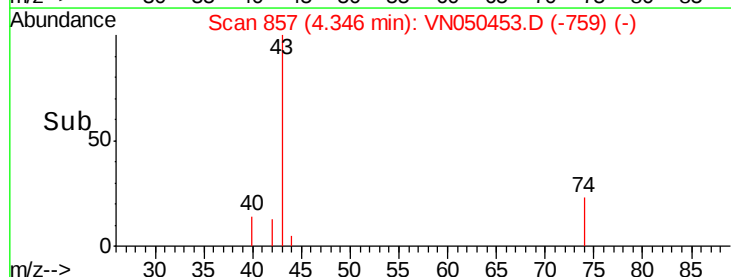
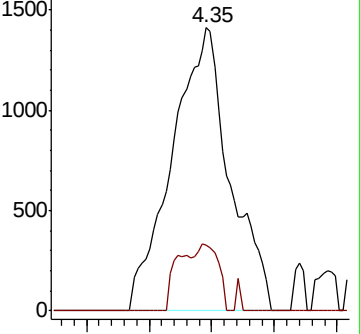
43 100

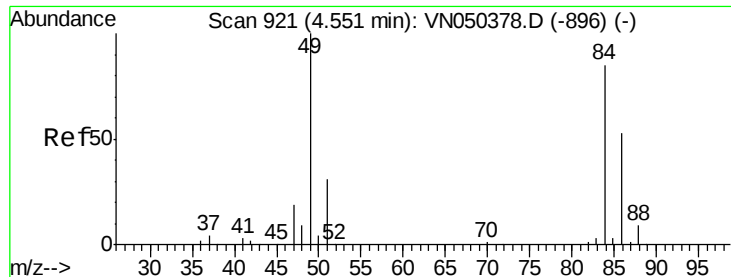
74 8.5 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.56 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

Instrument :

MSVOA_N

ClientSampled :

VN0808WBL01

Tot Ion: 84 Resp: 1455

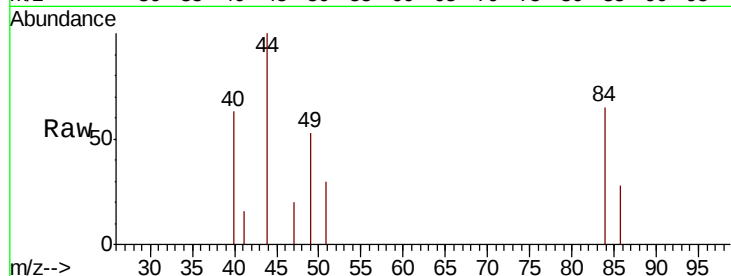
Ion Ratio Lower Upper

84 100

49 46.0 94.8 142.2#

51 45.8 28.3 42.5#

86 43.9 51.0 76.6#

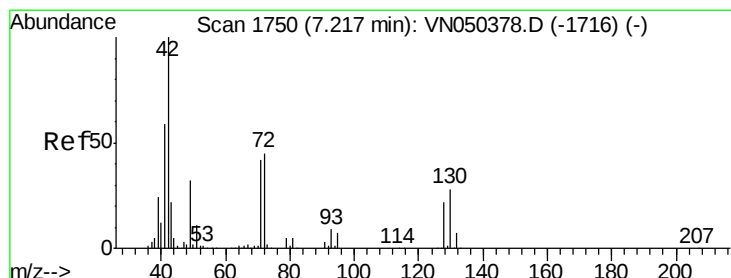
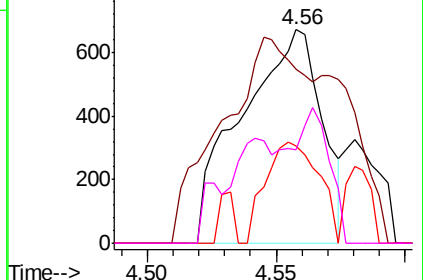
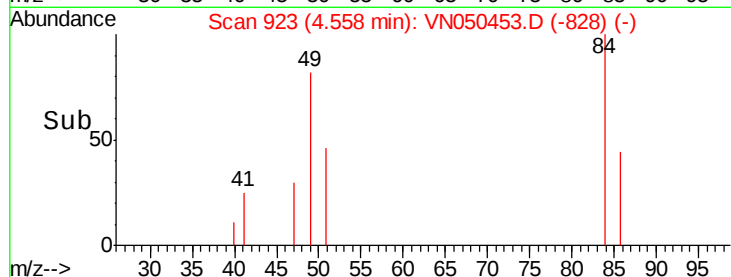


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#29

Tetrahydrofuran

Concen: 0.26 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

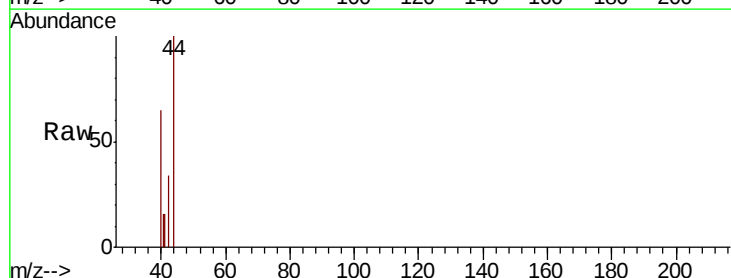
Tgt Ion: 42 Resp: 829

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

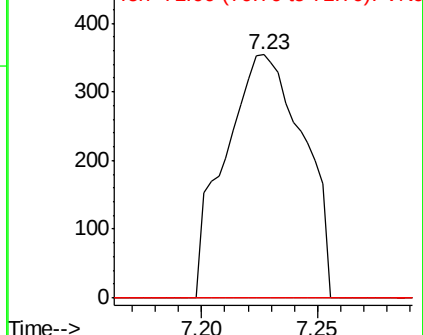
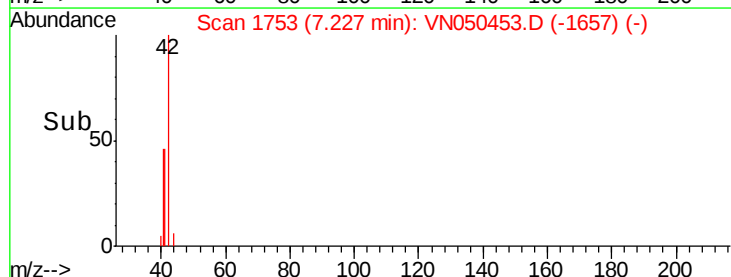
71 0.0 33.7 50.5#

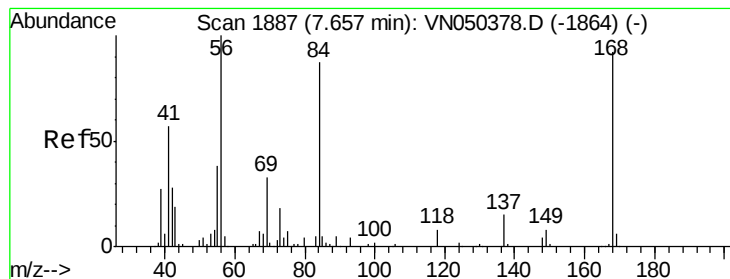


Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO





#31

Cyclohexane

Concen: 0.26 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBL01

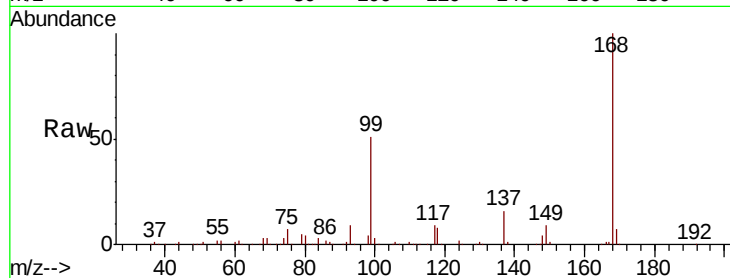
Tot Ion: 56 Resp: 15222

Ion Ratio Lower Upper

56 100

69 210.4 26.2 39.4#

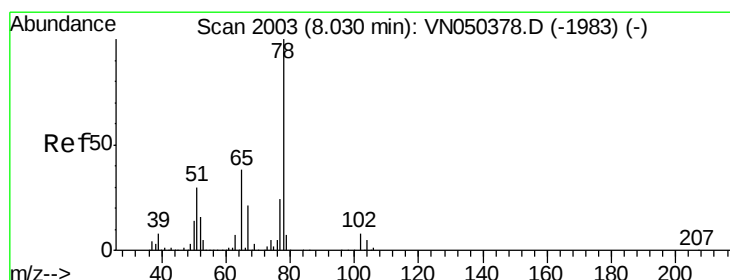
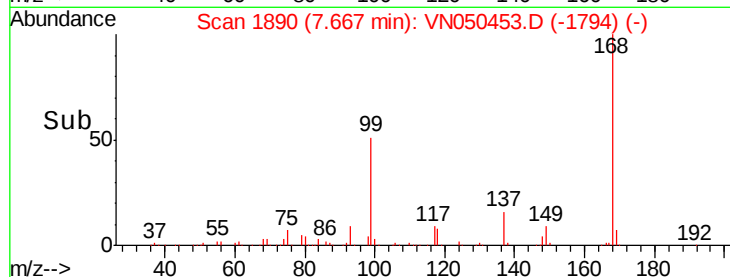
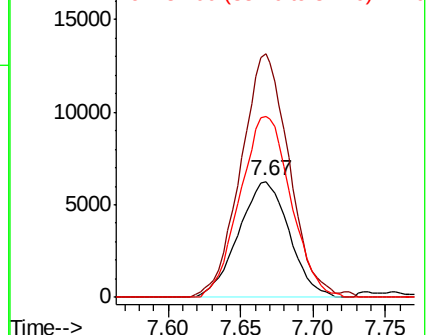
84 155.8 67.4 101.0#



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: 45.91 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050453.D

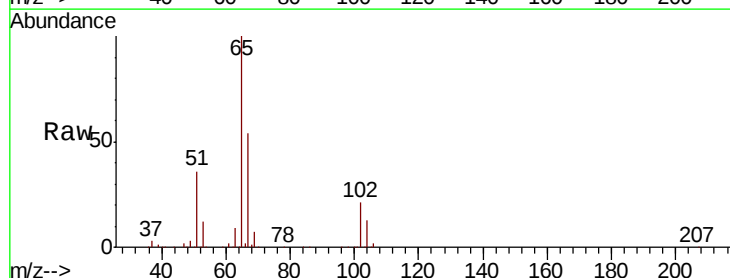
Acq: 8 Aug 2018 12:46

Tgt Ion: 65 Resp: 550206

Ion Ratio Lower Upper

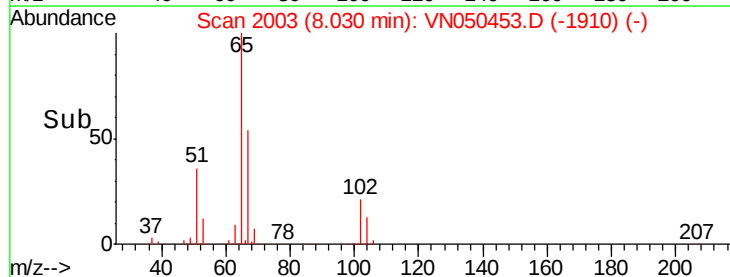
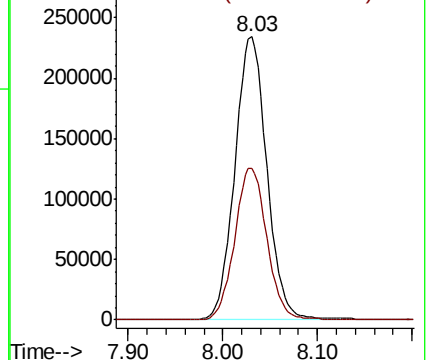
65 100

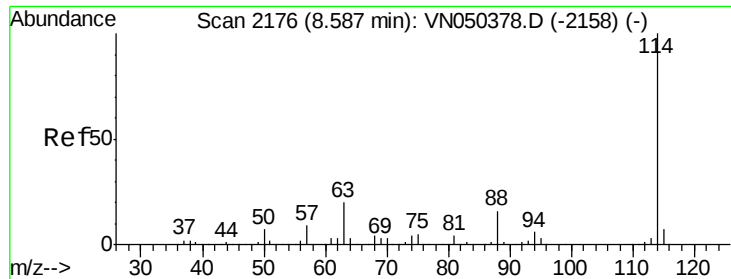
67 54.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

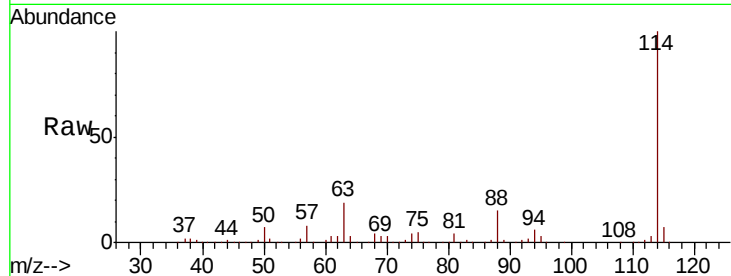




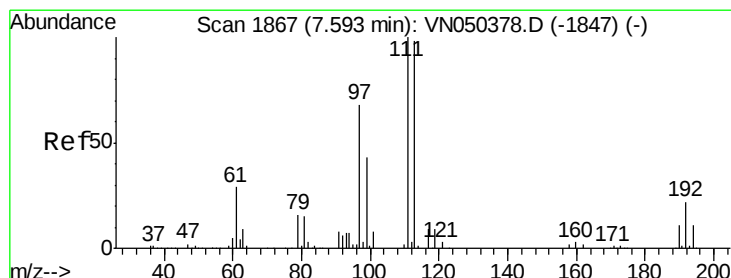
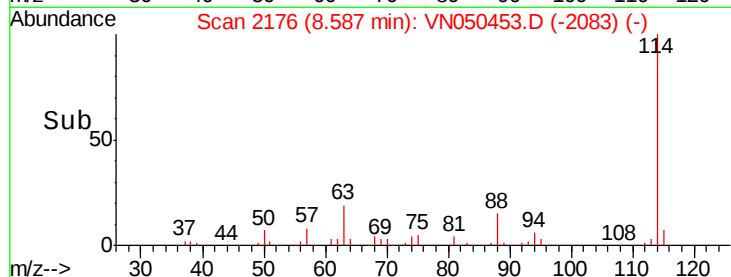
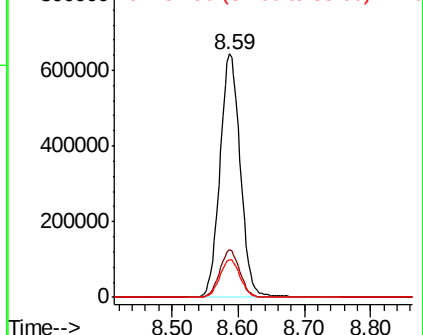
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050453.D
 Acq: 8 Aug 2018 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBL01

Tot Ion:114 Resp: 1370191
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.3 0.0 31.2

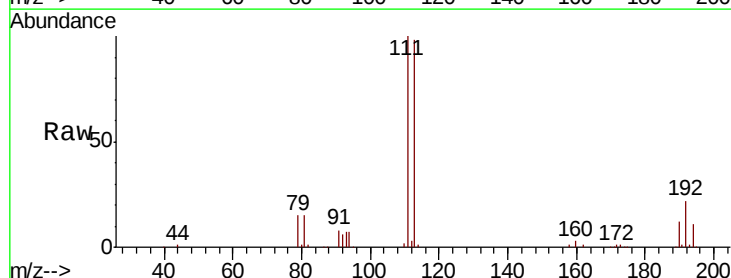


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

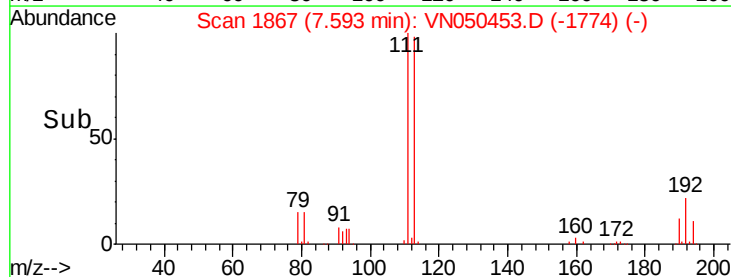
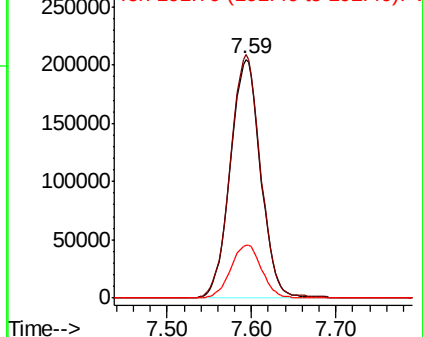


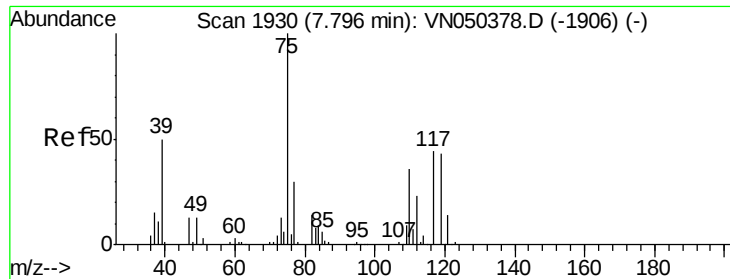
#35
 Dibromofluoromethane
 Concen: 46.72 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050453.D
 Acq: 8 Aug 2018 12:46

Tgt Ion:113 Resp: 513633
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 22.6 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

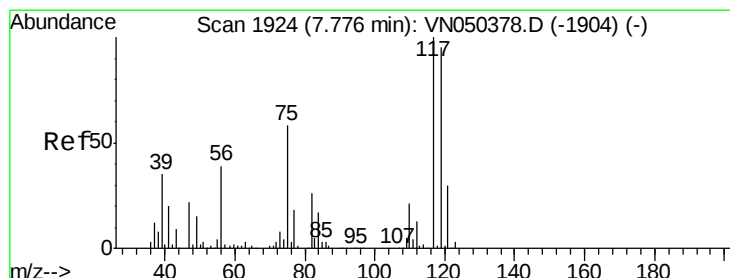
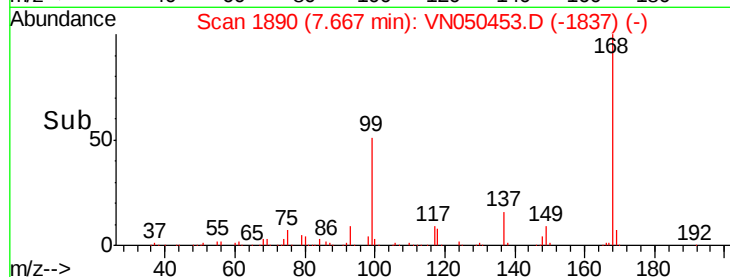
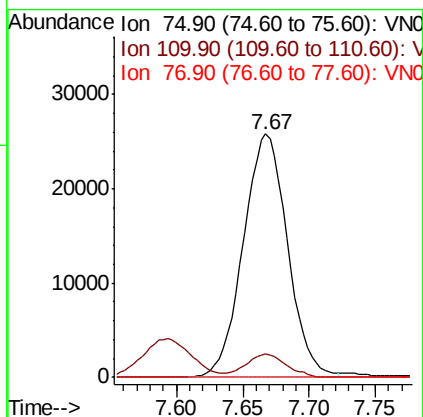
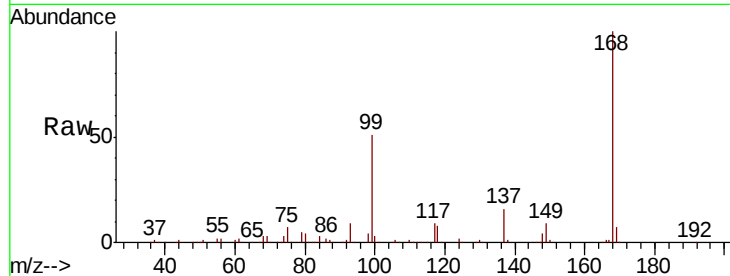




#36
 1,1-Dichloropropene
 Concen: 4.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050453.D
 Acq: 8 Aug 2018 12:46

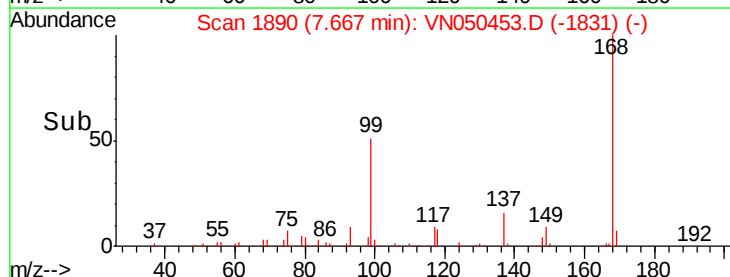
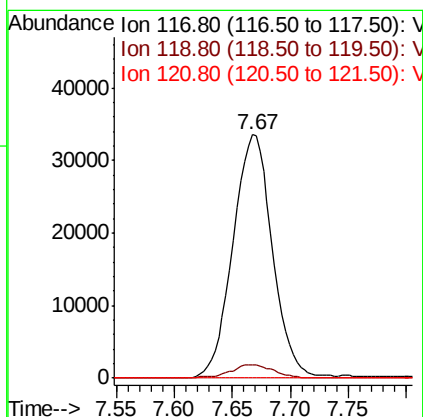
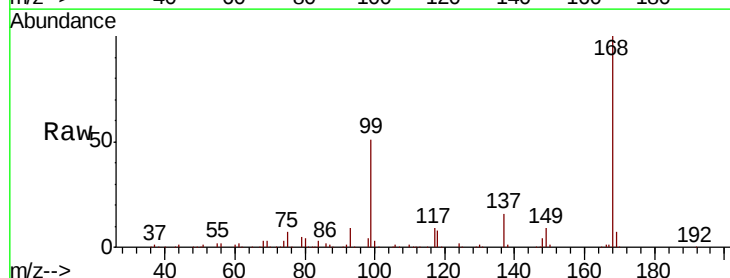
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBL01

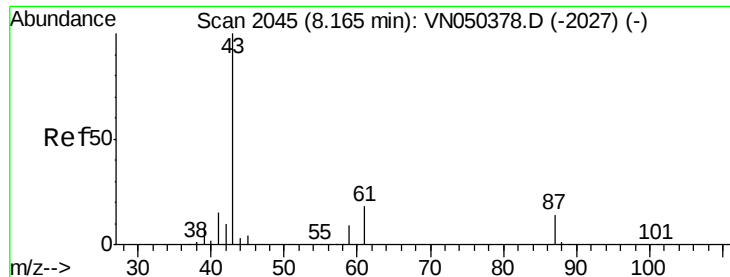
Tot Ion: 75 Resp: 60168
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.06 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050453.D
 Acq: 8 Aug 2018 12:46

Tgt Ion: 117 Resp: 79410
 Ion Ratio Lower Upper
 117 100
 119 5.6 77.4 116.0#
 121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 1.11 ug/l

RT: 8.26 min Scan# 2074

Delta R.T. 0.09 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBL01

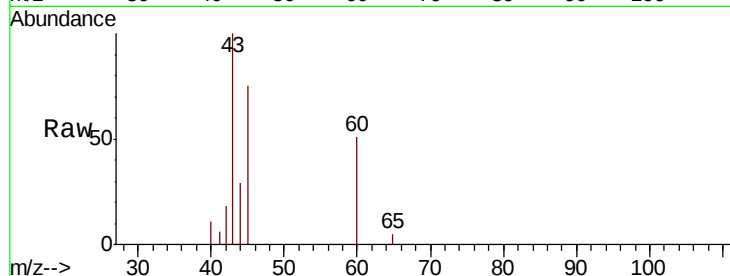
Tot Ion: 43 Resp: 20766

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

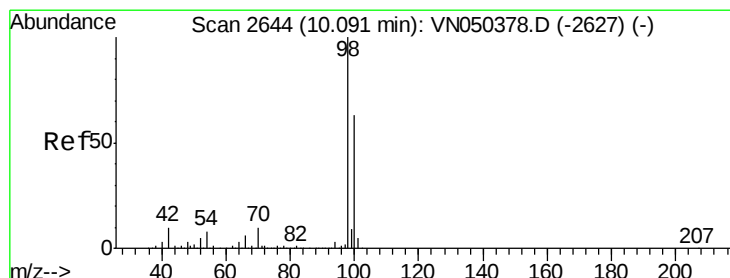
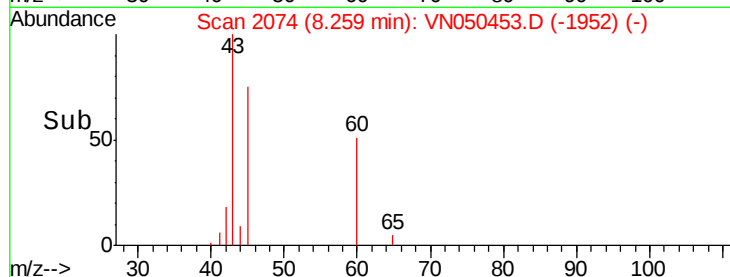
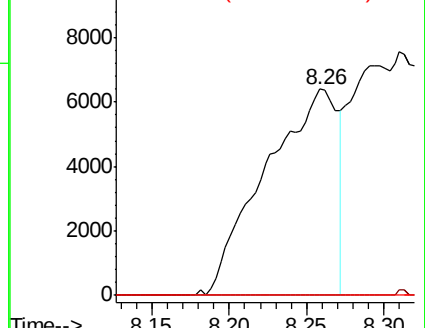
87 0.0 10.3 15.5#



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



#50

Toluene-d8

Concen: 46.28 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050453.D

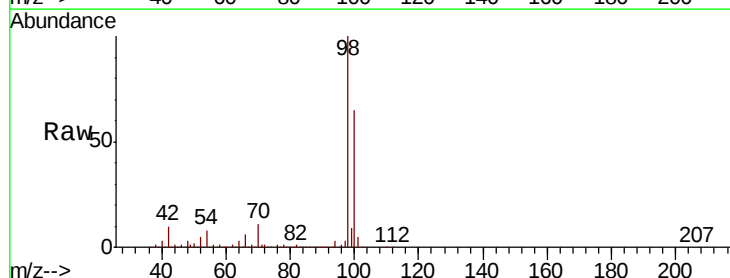
Acq: 8 Aug 2018 12:46

Tgt Ion: 98 Resp: 1913016

Ion Ratio Lower Upper

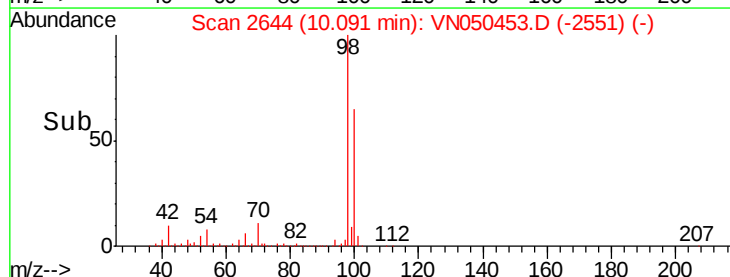
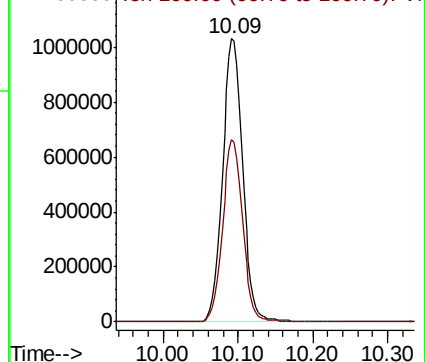
98 100

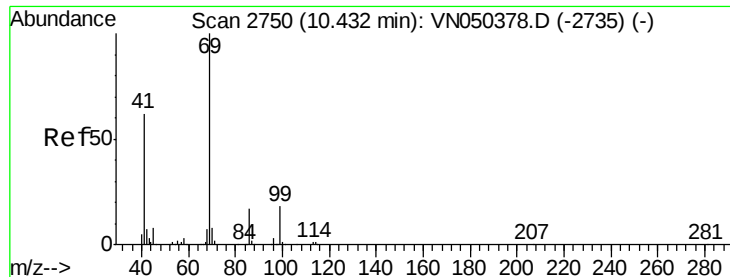
100 64.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#56

Ethyl methacrylate

Concen: 1.71 ug/l

RT: 10.41 min Scan# 2743

Delta R.T. -0.02 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

Instrument :

MSVOA_N

ClientSampled :

VN0808WBL01

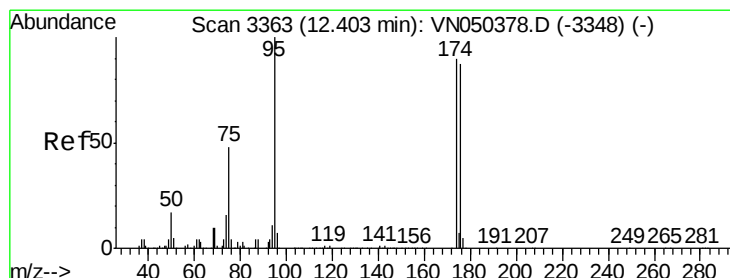
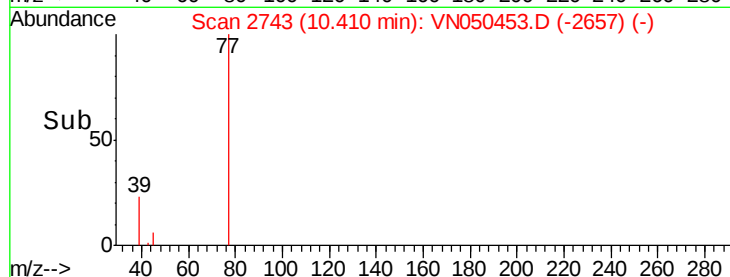
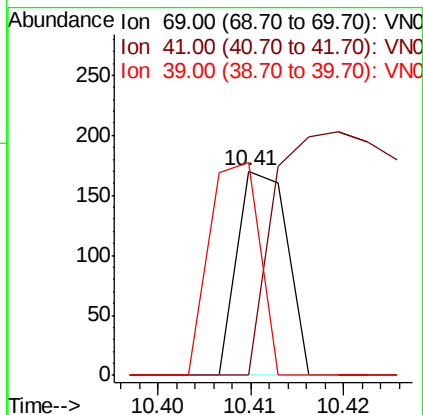
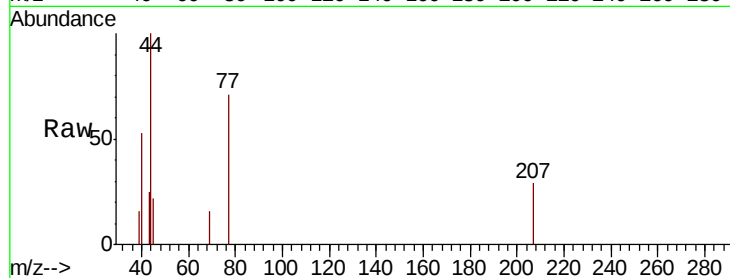
Tot Ion: 69 Resp: 64

Ion Ratio Lower Upper

69 100

41 337.5 51.0 76.4#

39 104.7 26.6 40.0#



#62

4-Bromofluorobenzene

Concen: 41.36 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

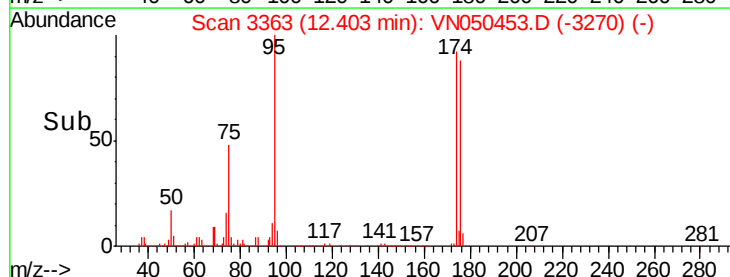
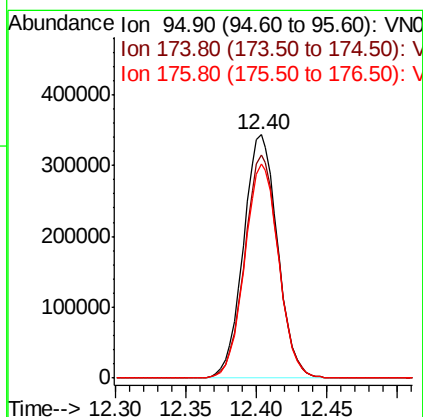
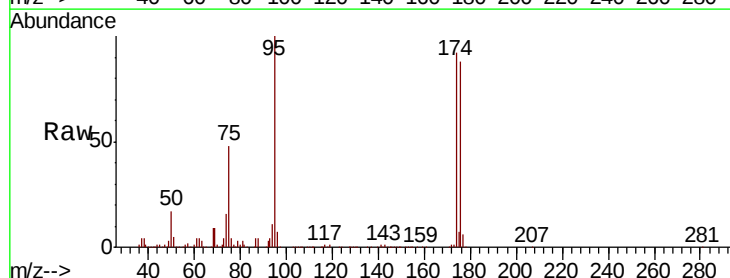
Tgt Ion: 95 Resp: 582738

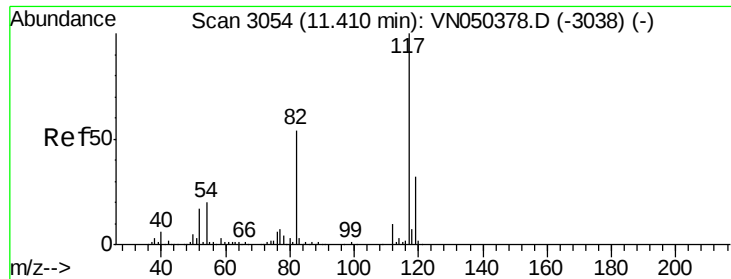
Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.2

176 87.6 0.0 173.4

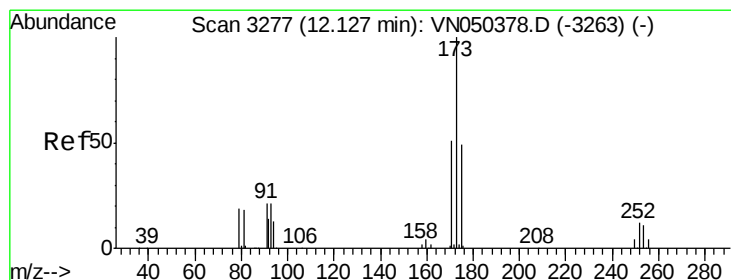
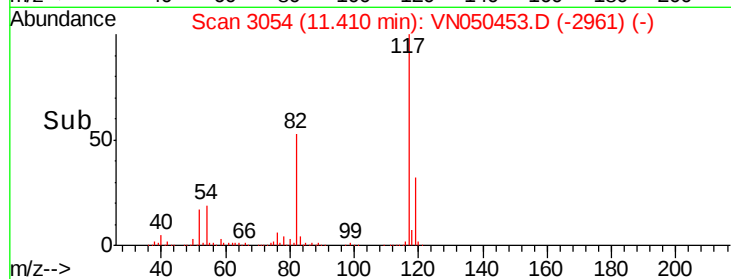
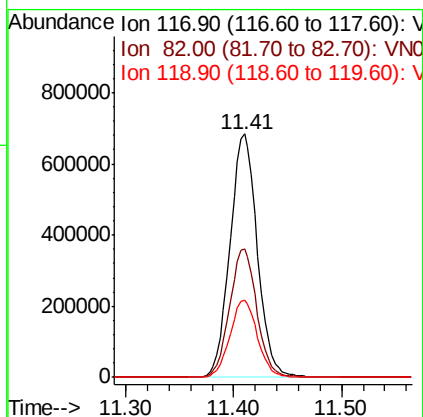
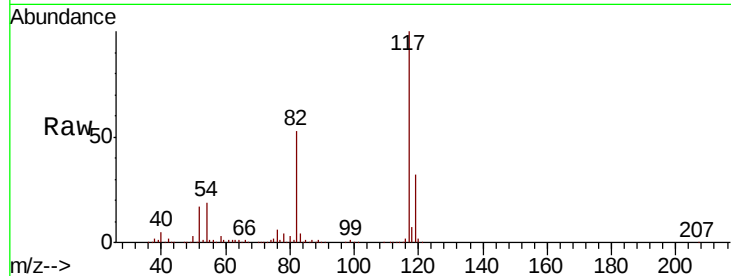




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050453.D
Acq: 8 Aug 2018 12:46

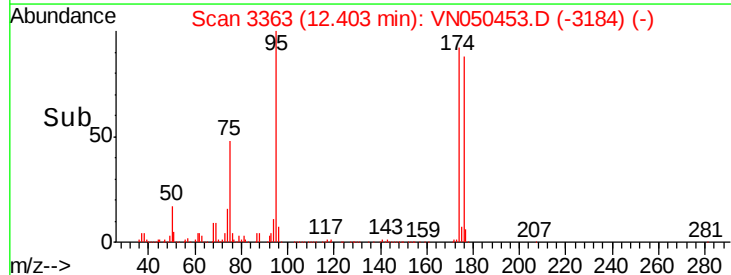
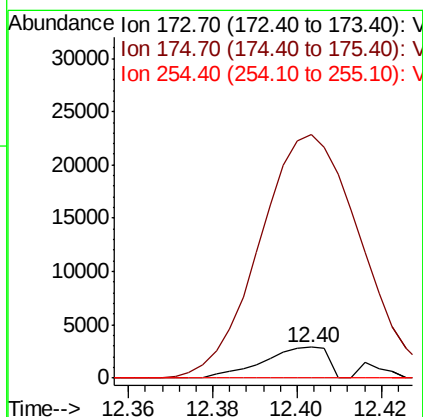
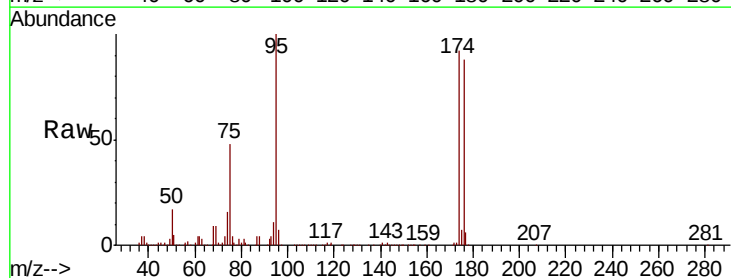
Instrument :
MSVOA_N
ClientSampled :
VN0808WBL01

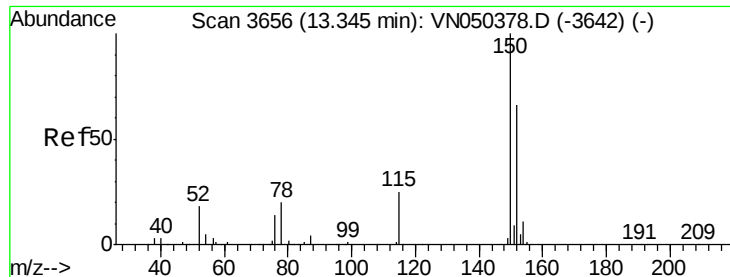
Tot Ion:117 Resp: 1208831
Ion Ratio Lower Upper
117 100
82 52.9 43.7 65.5
119 31.9 26.1 39.1



#71
Bromoform
Concen: 0.38 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050453.D
Acq: 8 Aug 2018 12:46

Tgt Ion:173 Resp: 3060
Ion Ratio Lower Upper
173 100
175 1048.9 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBL01

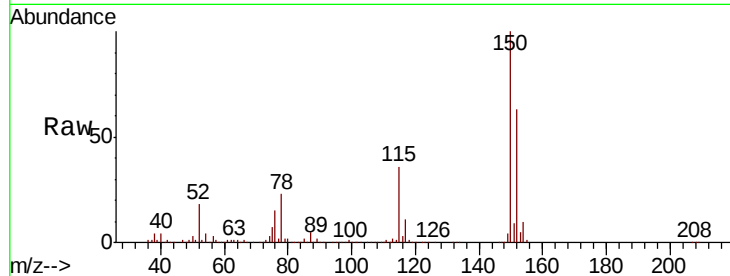
Tot Ion:152 Resp: 481654

Ion Ratio Lower Upper

152 100

115 56.5 27.8 83.3

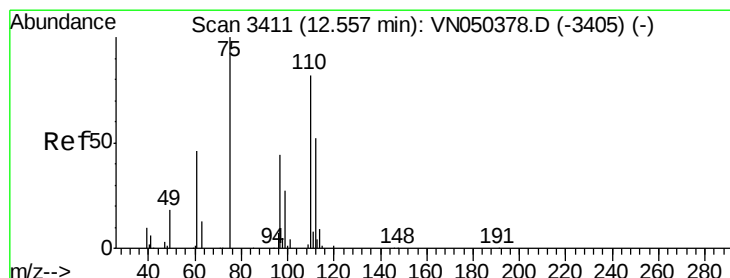
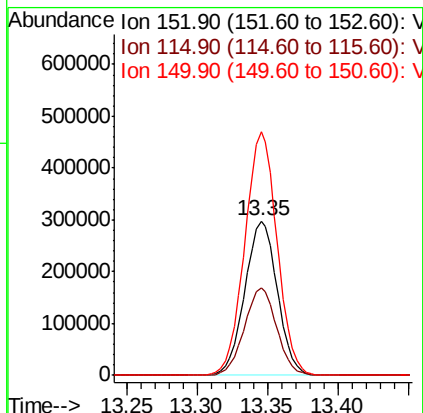
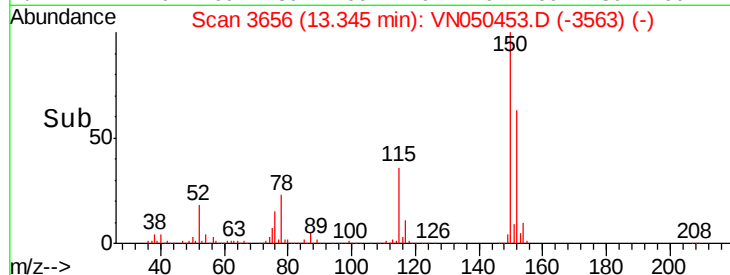
150 156.4 0.0 348.6



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: 31.72 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050453.D

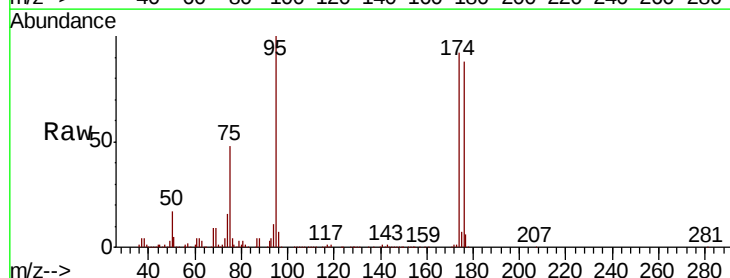
Acq: 8 Aug 2018 12:46

Tgt Ion: 75 Resp: 276550

Ion Ratio Lower Upper

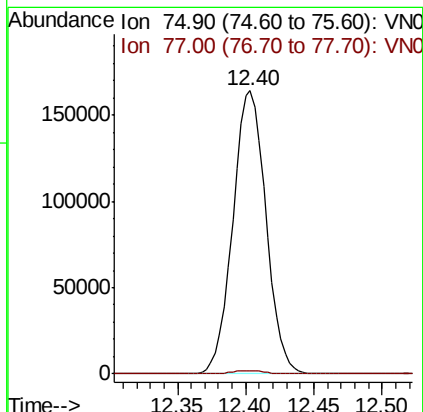
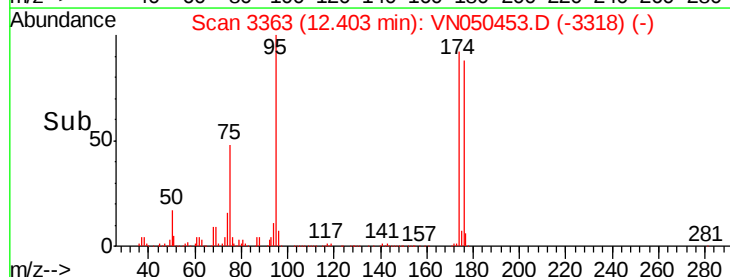
75 100

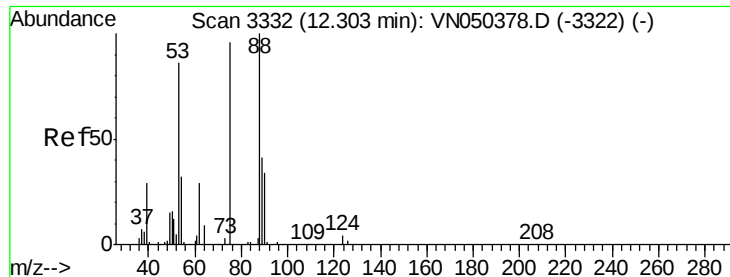
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 111.45 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBL01

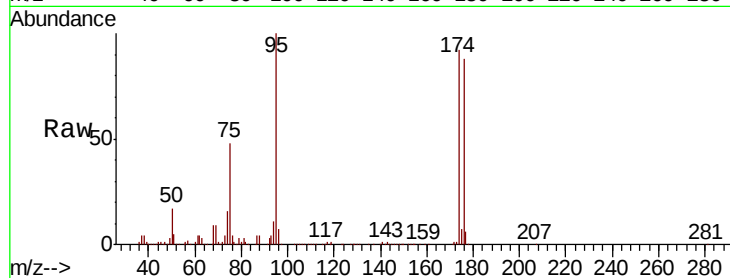
Tot Ion: 75 Resp: 276550

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

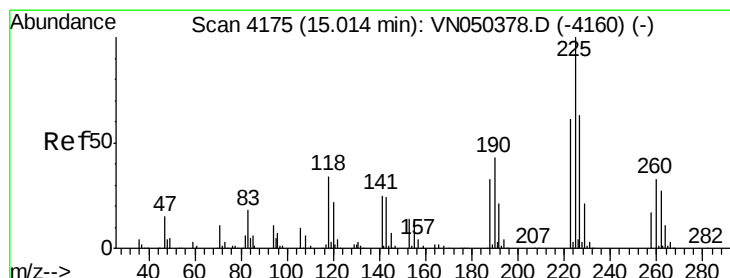
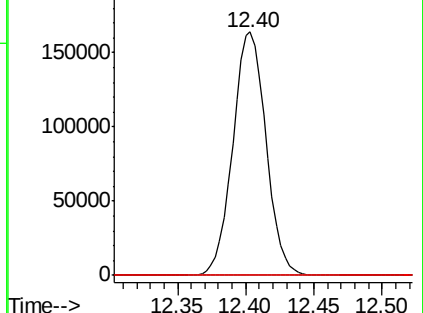
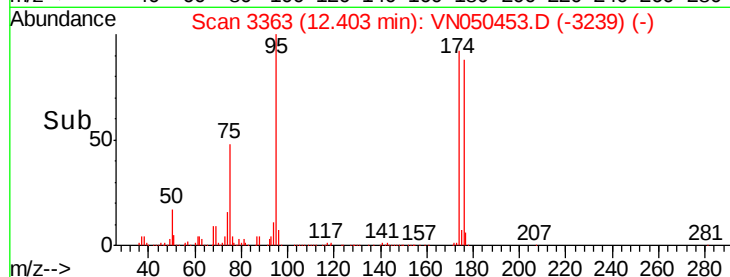
89 0.0 36.0 54.0#



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



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4174

Delta R.T. -0.00 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

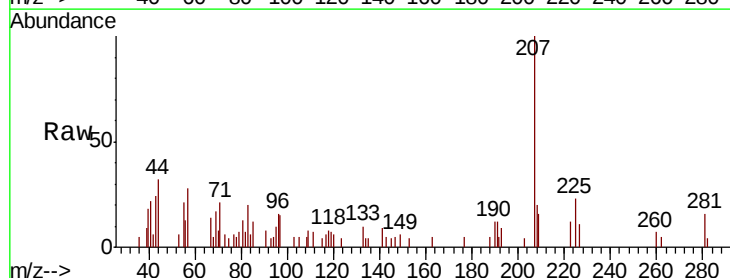
Tgt Ion: 225 Resp: 1259

Ion Ratio Lower Upper

225 100

223 52.8 31.4 94.2

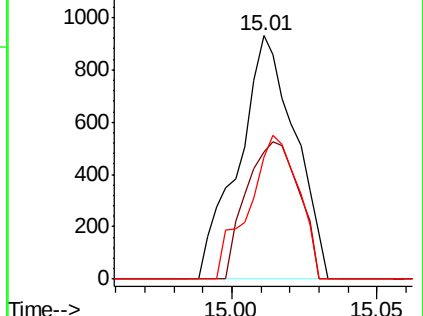
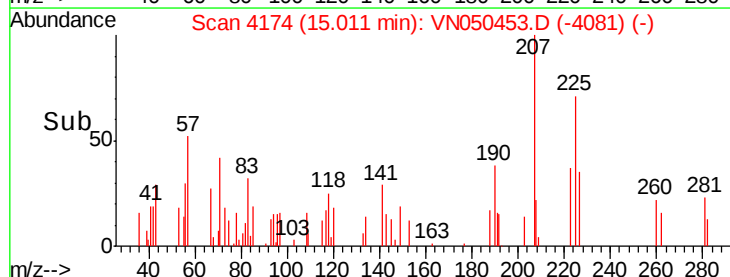
227 51.9 32.1 96.5

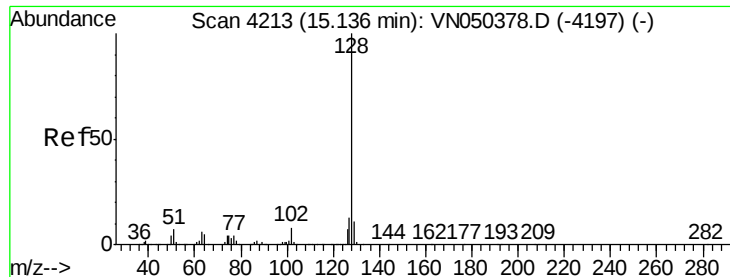


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.89 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

Instrument :

MSVOA_N

ClientSampled :

VN0808WBL01

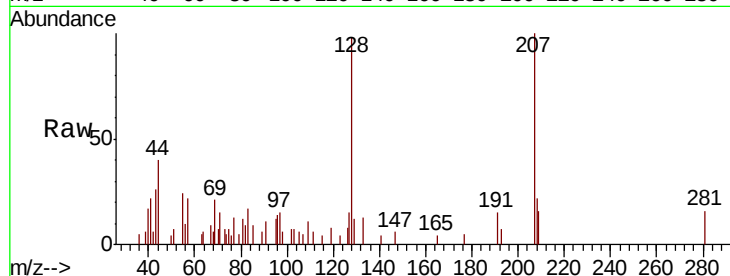
Tot Ion:128 Resp: 6793

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

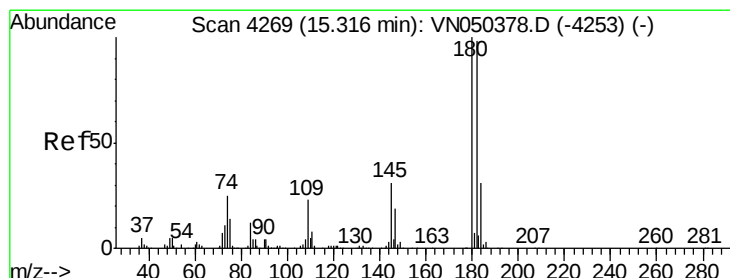
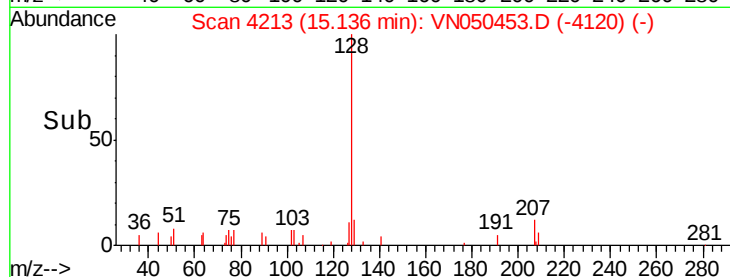
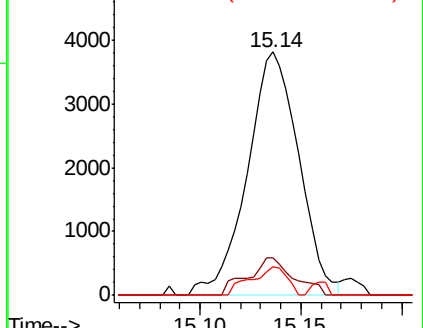
129 8.3 8.8 13.2#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.25 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050453.D

Acq: 8 Aug 2018 12:46

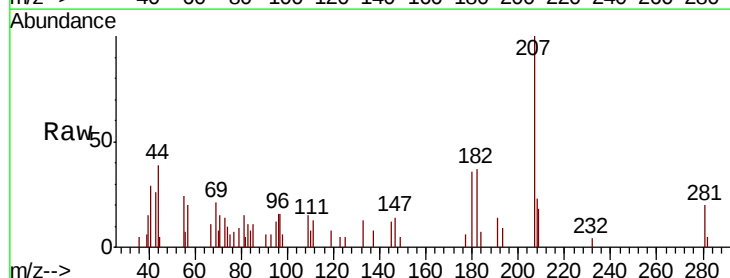
Tgt Ion:180 Resp: 2212

Ion Ratio Lower Upper

180 100

182 104.2 48.1 144.4

145 28.5 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

