

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052240.D
 Acq On : 9 Nov 2018 21:09
 Operator : MD\SY
 Sample : J5884-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Quant Time: Nov 12 03:25:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	337716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	558787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	459735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162315	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	215317	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
35) Dibromofluoromethane	7.59	113	173619	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	10.09	98	680307	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.40	95	198428	43.32	ug/l	0.00
Spiked Amount			Recovery	=	86.64%	

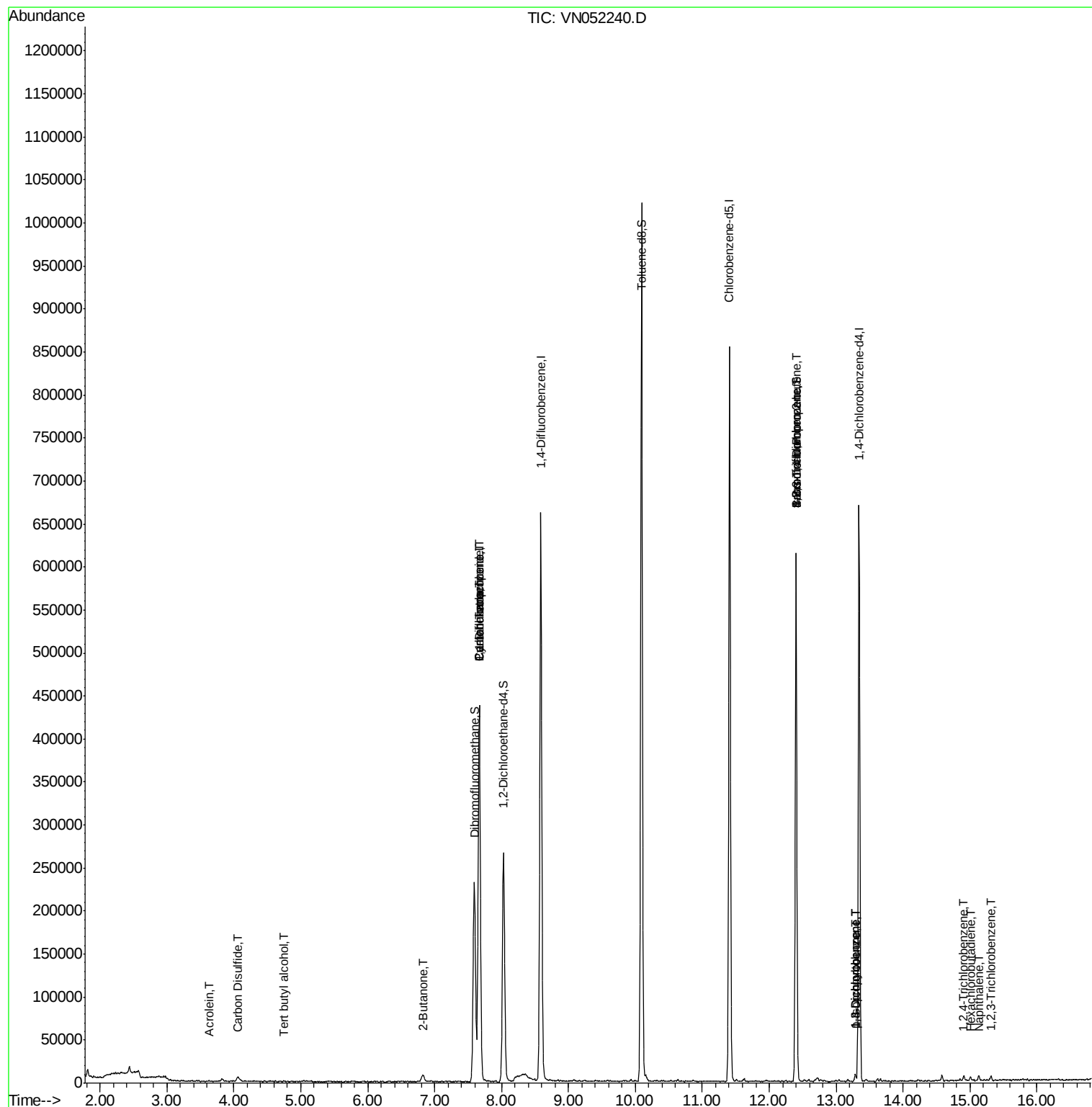
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	101	0.427	ug/l #	71
13) Acrolein	3.62	56	377	34.985	ug/l	86
16) Acetone	3.82	43	4893	Below Cal		96
17) Carbon Disulfide	4.06	76	3070	0.300	ug/l #	75
25) 2-Butanone	6.84	43	805	0.409	ug/l #	9
31) Cyclohexane	7.67	56	9421	0.638	ug/l #	22
36) 1,1-Dichloropropene	7.67	75	29555	5.240	ug/l #	51
38) Carbon Tetrachloride	7.67	117	33221	6.500	ug/l #	16
71) Bromoform	12.40	173	1475	0.749	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	107332	37.375	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	107332	127.577	ug/l #	8
86) p-Isopropyltoluene	13.29	119	3560	0.337	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	1136	0.210	ug/l	90
88) 1,4-Dichlorobenzene	13.29	146	1136	0.210	ug/l	91
93) 1,2,4-Trichlorobenzene	14.91	180	1815	0.870	ug/l #	81
94) Hexachlorobutadiene	15.01	225	840	0.741	ug/l	76
95) Naphthalene	15.13	128	4317	0.839	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.32	180	1726	0.875	ug/l	98

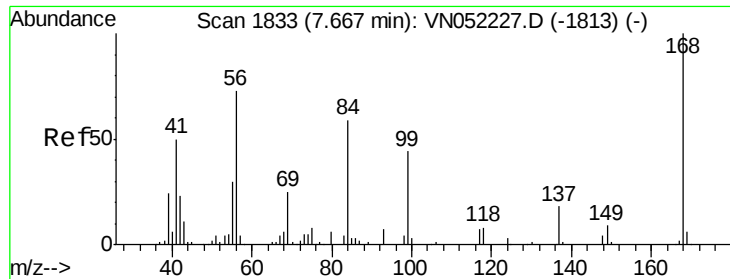
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052240.D

Acq: 9 Nov 2018 21:09

Instrument :

MSVOA_N

ClientSampled :

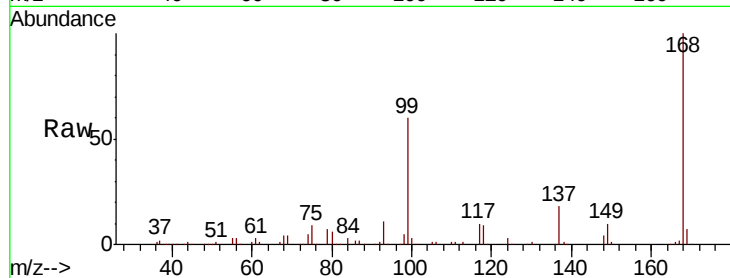
TP-7

Tot Ion:168 Resp: 337716

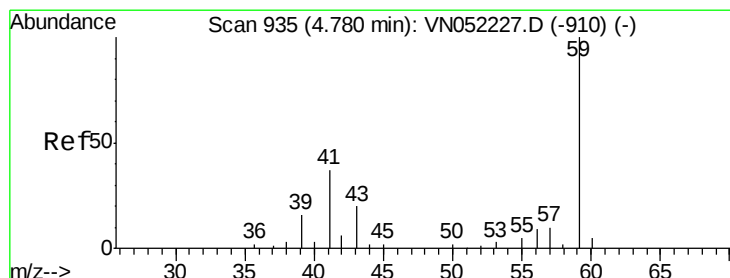
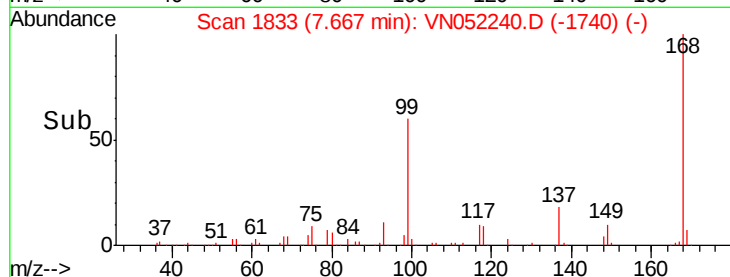
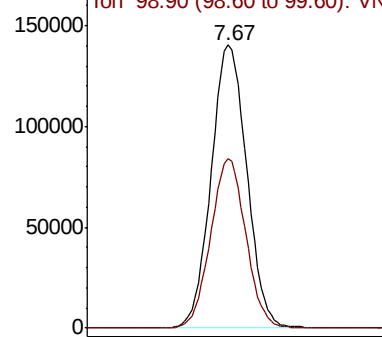
Ion Ratio Lower Upper

168 100

99 59.7 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN052227.D (-1813) (-)



#11

Tert butyl alcohol

Concen: 0.427 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.04 min

Lab File: VN052240.D

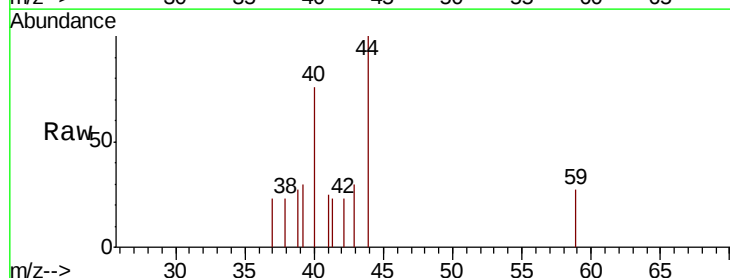
Acq: 9 Nov 2018 21:09

Tgt Ion: 59 Resp: 101

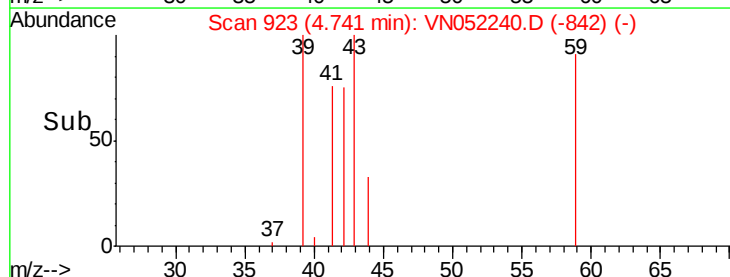
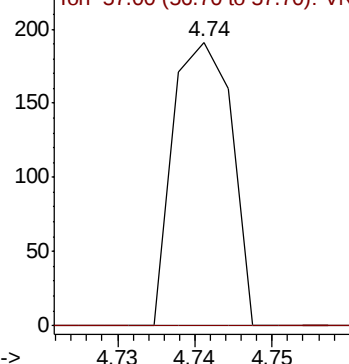
Ion Ratio Lower Upper

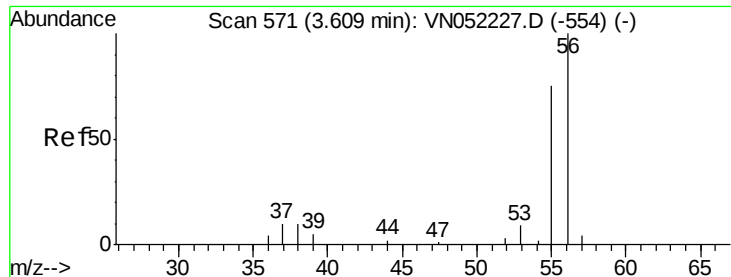
59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VN052227.D (-910) (-)





#13

Acrolein

Concen: 34.985 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN052240.D

Acq: 9 Nov 2018 21:09

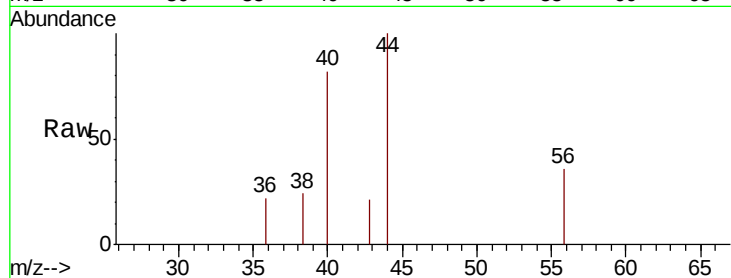
Instrument :
MSVOA_N
ClientSampled :
TP-7

Tot Ion: 56 Resp: 377

Ion Ratio Lower Upper

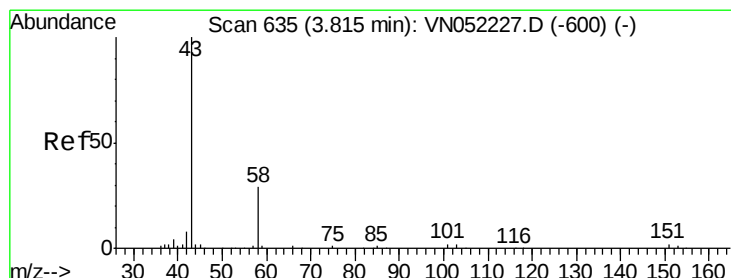
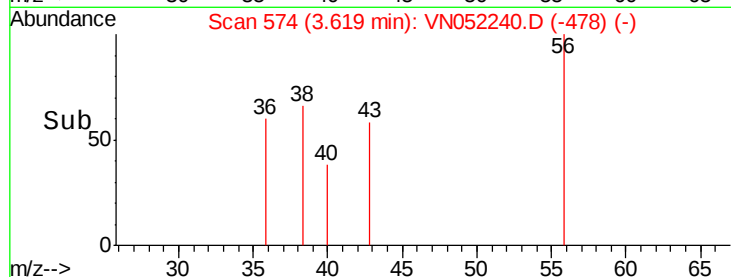
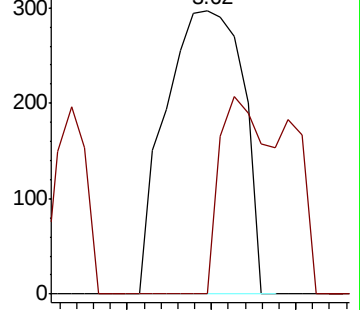
56 100

55 62.6 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052240.D

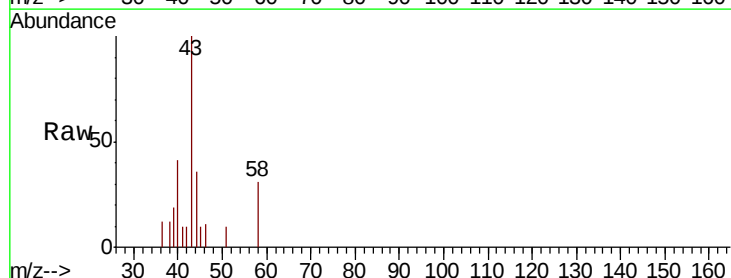
Acq: 9 Nov 2018 21:09

Tgt Ion: 43 Resp: 4893

Ion Ratio Lower Upper

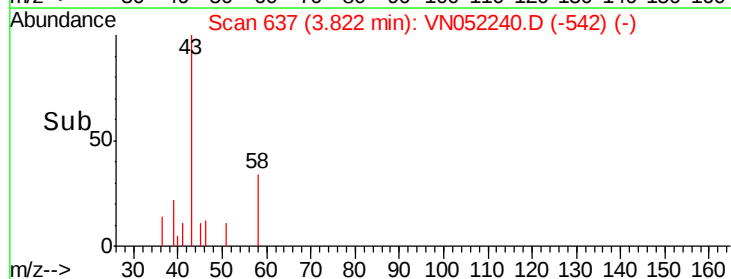
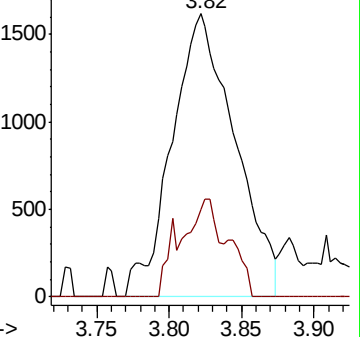
43 100

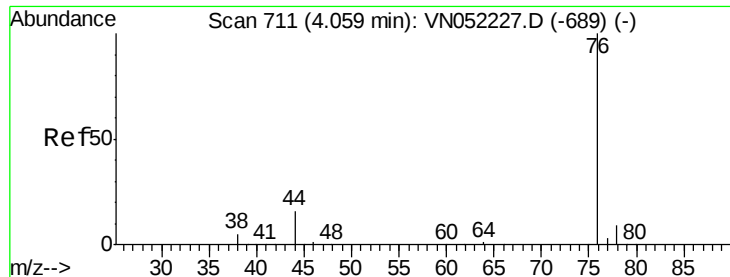
58 30.8 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

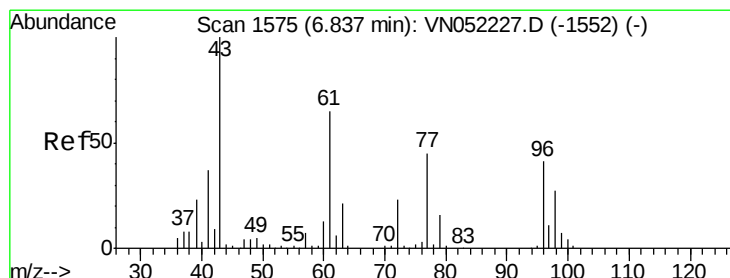
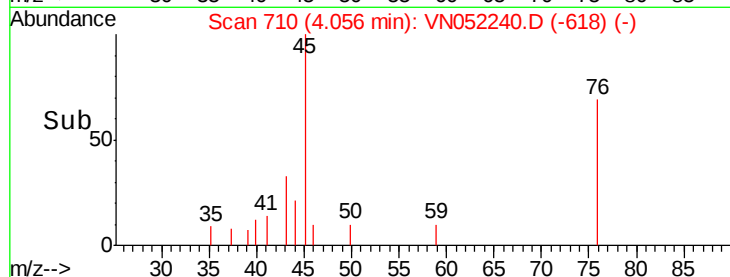
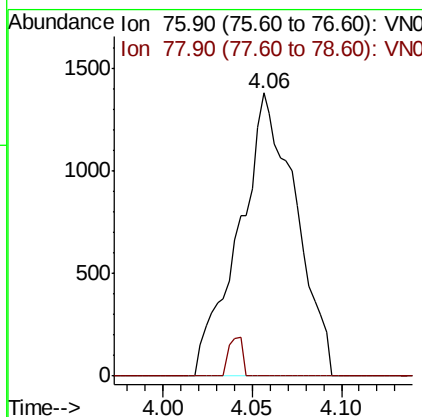
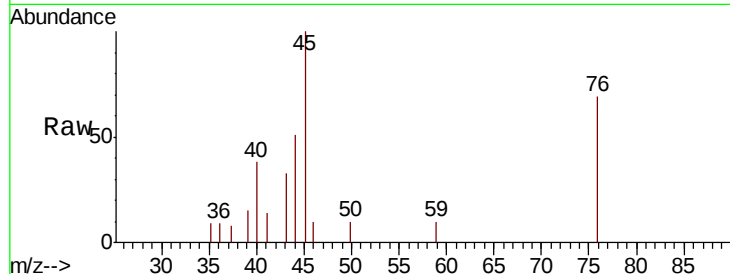




#17
Carbon Disulfide
Concen: 0.300 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052240.D
Acq: 9 Nov 2018 21:09

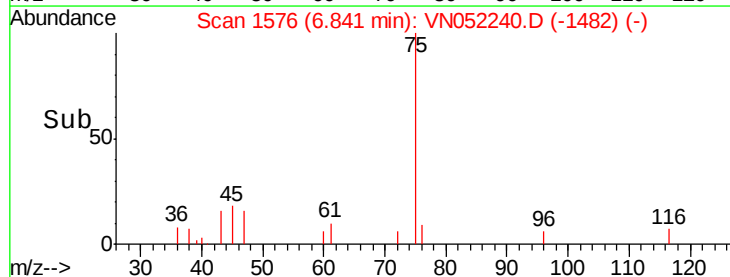
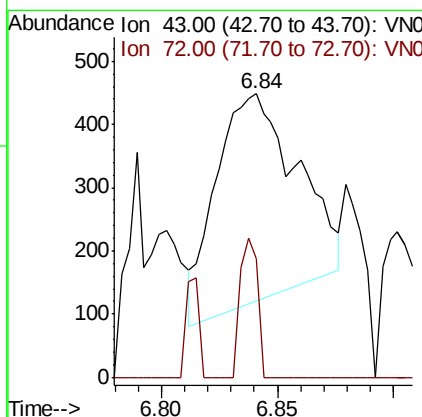
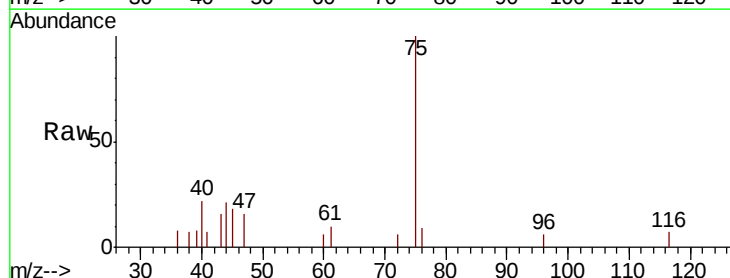
Instrument :
MSVOA_N
ClientSampled :
TP-7

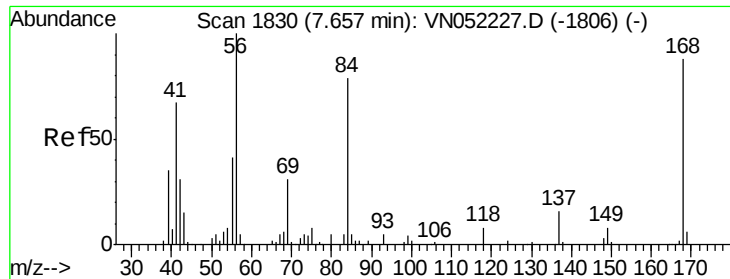
Tot Ion: 76 Resp: 3070
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#25
2-Butanone
Concen: 0.409 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN052240.D
Acq: 9 Nov 2018 21:09

Tgt Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
72 67.3 18.6 27.8#

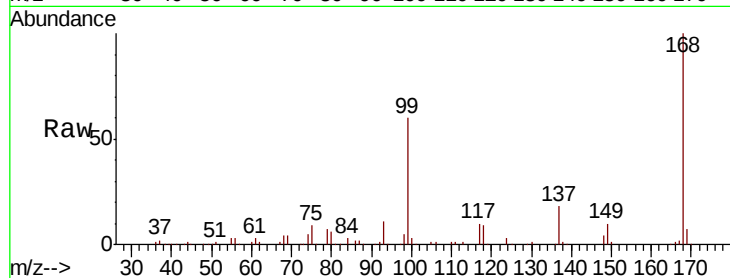




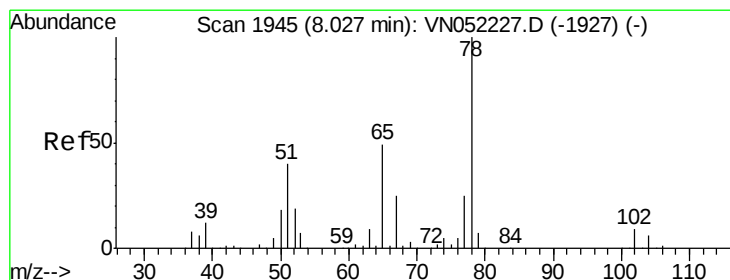
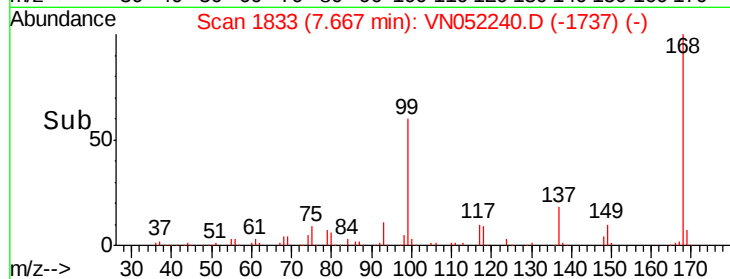
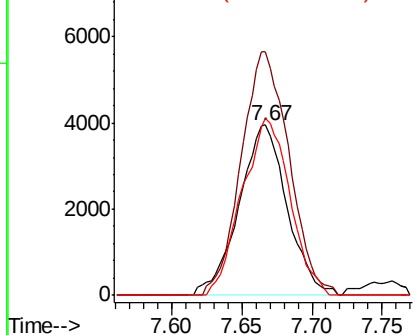
#31
Cyclohexane
Concen: 0.638 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052240.D
Acq: 9 Nov 2018 21:09

Instrument :
MSVOA_N
ClientSampleId :
TP-7

Tot Ion: 56 Resp: 9421
Ion Ratio Lower Upper
56 100
69 142.9 24.8 37.2#
84 104.2 63.1 94.7#

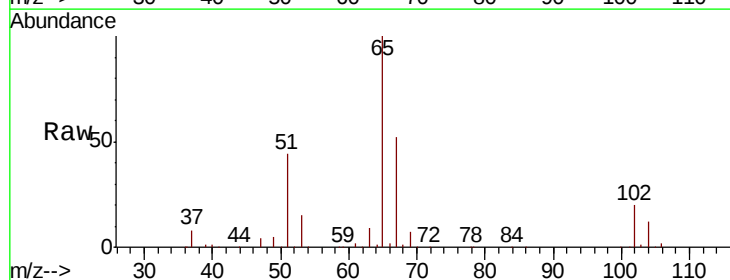


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

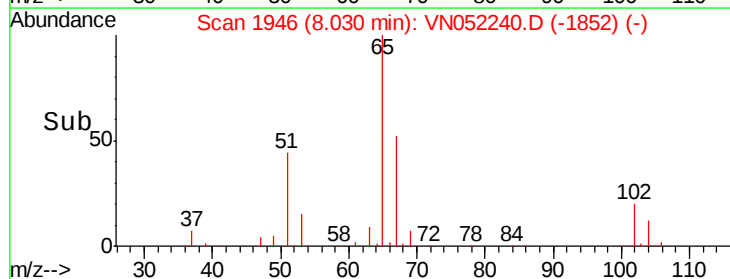
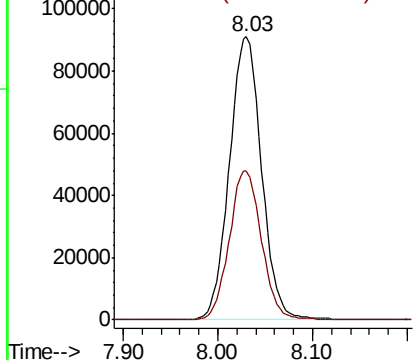


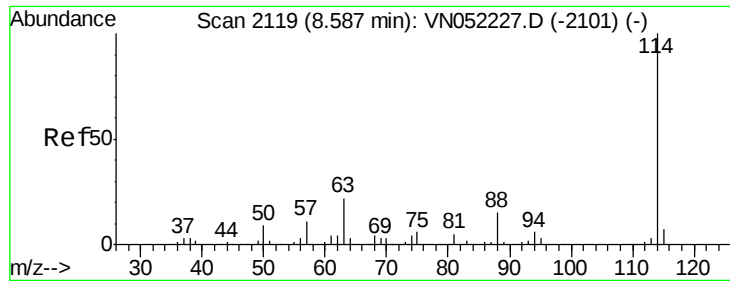
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN052240.D
Acq: 9 Nov 2018 21:09

Tgt Ion: 65 Resp: 215317
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052240.D

Acq: 9 Nov 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

TP-7

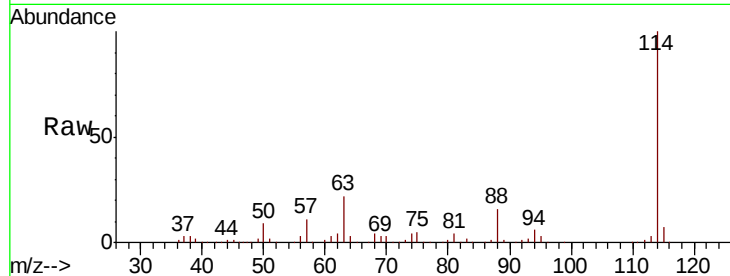
Tot Ion:114 Resp: 558787

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

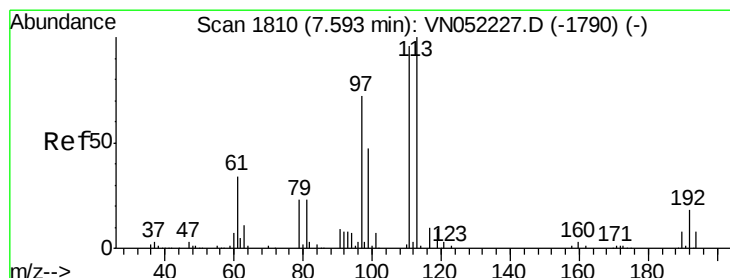
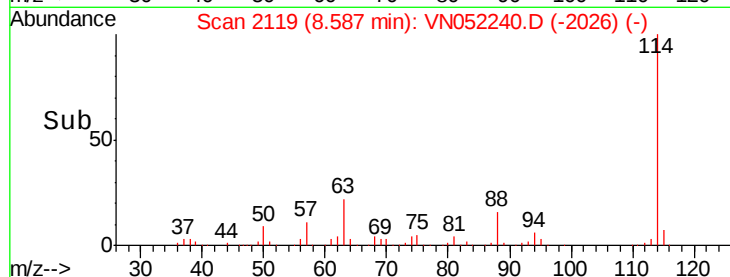
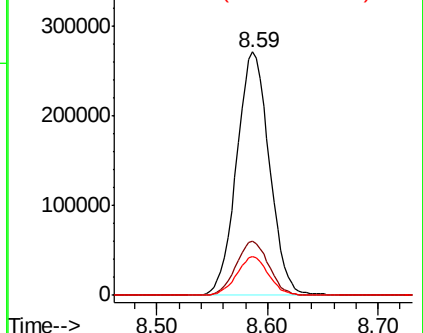
88 16.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052240.D

Acq: 9 Nov 2018 21:09

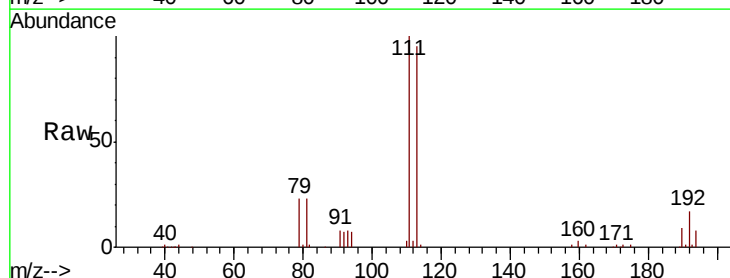
Tgt Ion:113 Resp: 173619

Ion Ratio Lower Upper

113 100

111 101.9 80.2 120.4

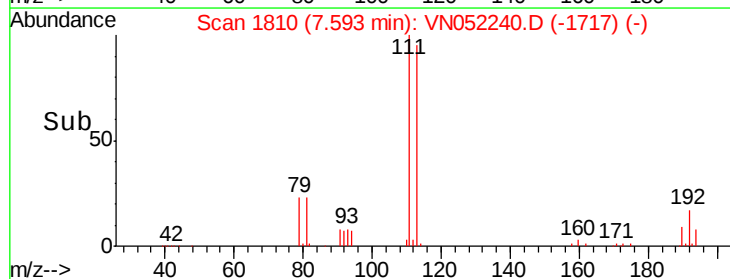
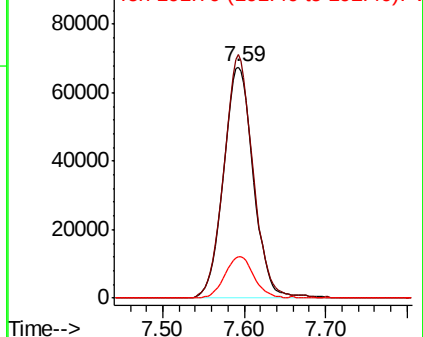
192 17.6 14.1 21.1

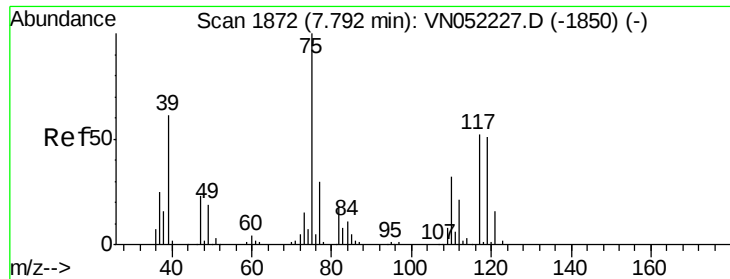


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

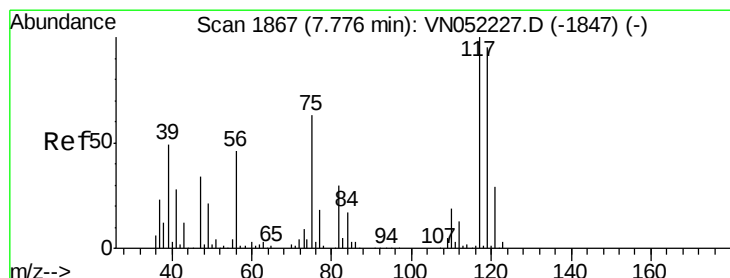
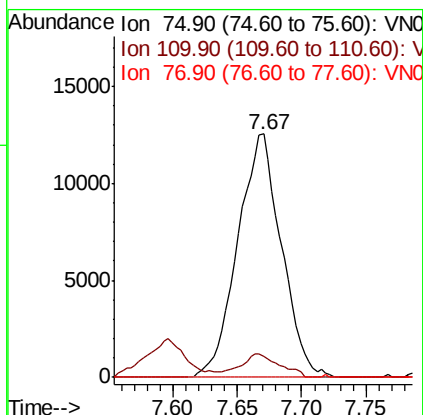
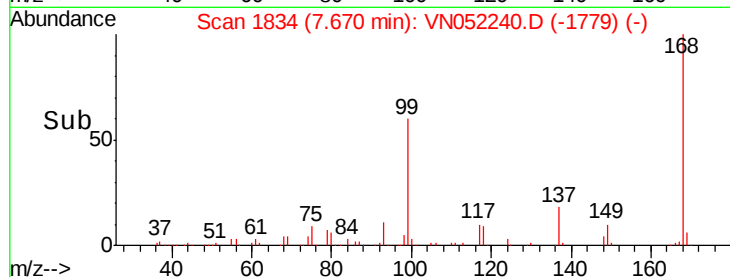
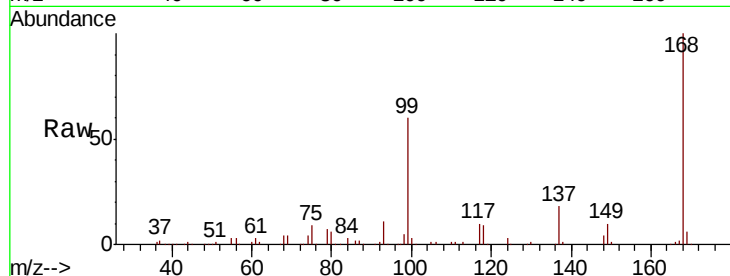




#36
 1,1-Dichloropropene
 Concen: 5.240 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN052240.D
 Acq: 9 Nov 2018 21:09

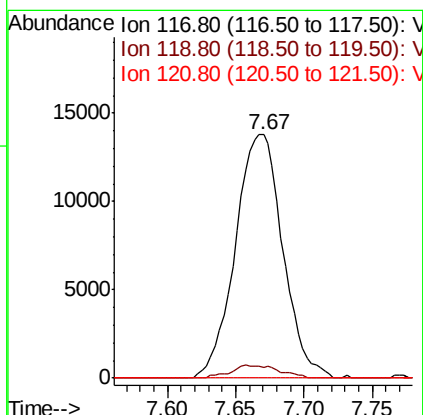
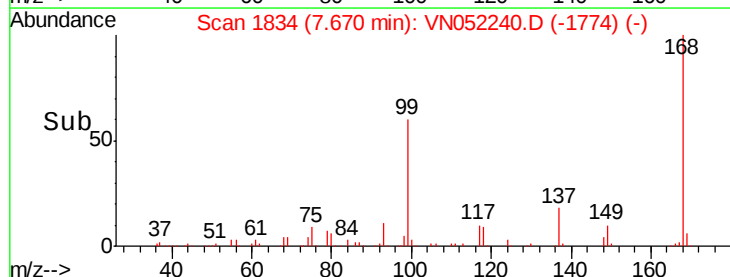
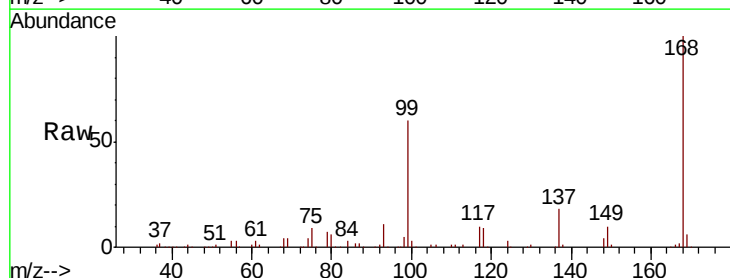
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

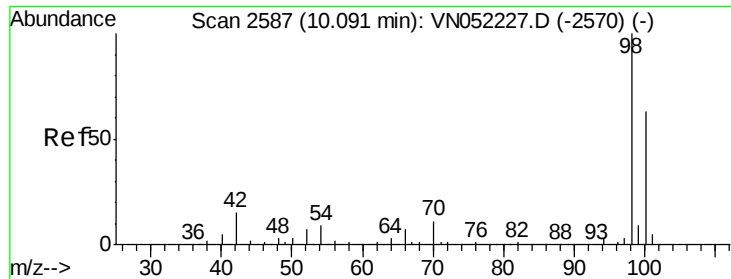
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.4	49.4#
77	0.0	23.9	35.9#



#38
 Carbon Tetrachloride
 Concen: 6.500 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.11 min
 Lab File: VN052240.D
 Acq: 9 Nov 2018 21:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.8	113.8#
121	0.0	23.4	35.2#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052240.D

Acq: 9 Nov 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

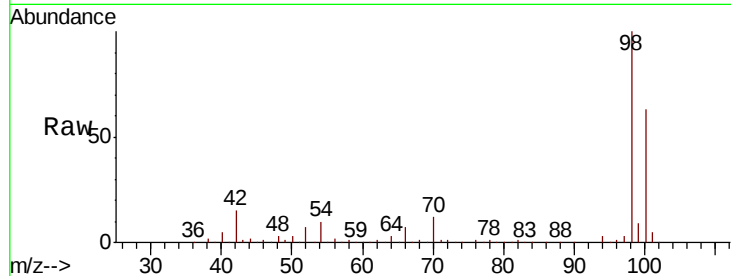
TP-7

Tot Ion: 98 Resp: 680307

Ion Ratio Lower Upper

98 100

100 62.9 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

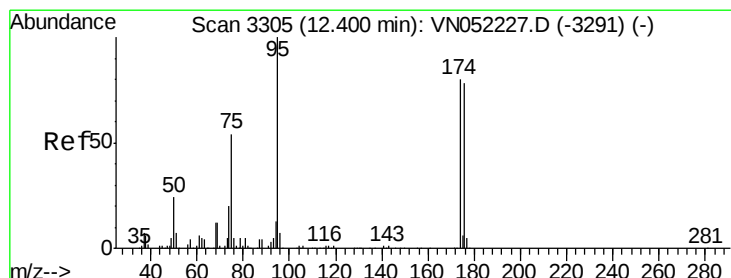
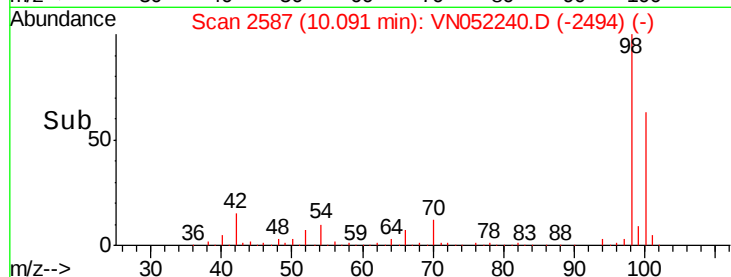
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052240.D

Acq: 9 Nov 2018 21:09

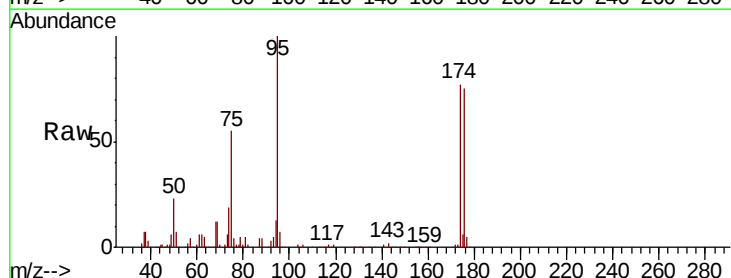
Tgt Ion: 95 Resp: 198428

Ion Ratio Lower Upper

95 100

174 77.7 0.0 159.4

176 76.1 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

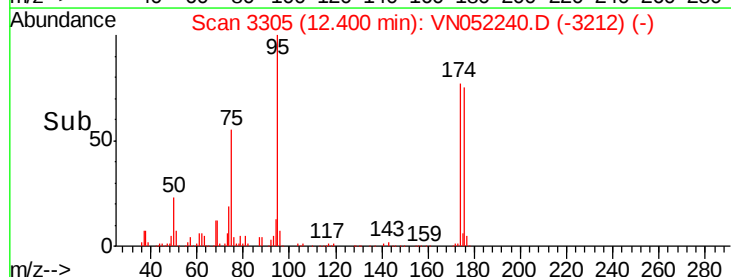
150000

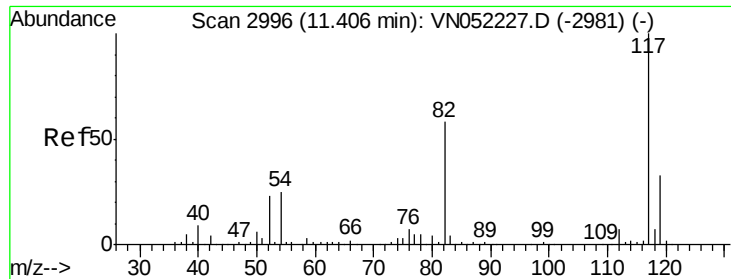
100000

50000

0

Time-->

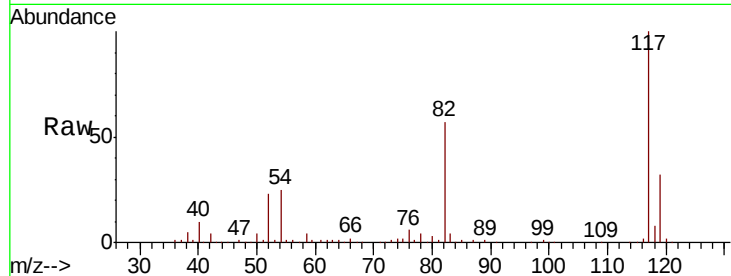




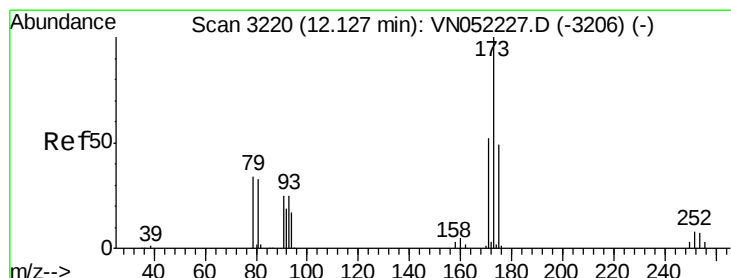
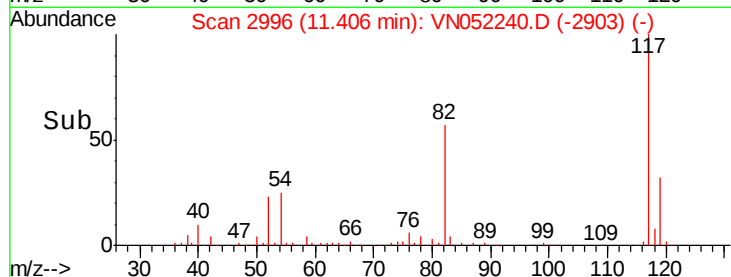
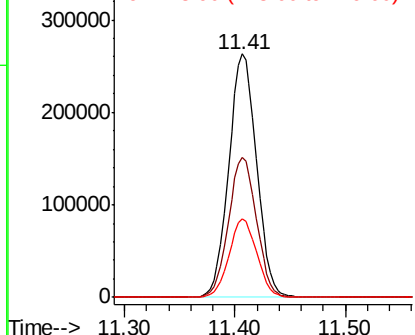
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052240.D
Acq: 9 Nov 2018 21:09

Instrument :
MSVOA_N
ClientSampleId :
TP-7

Tot Ion:117 Resp: 459735
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.2
119 32.2 26.2 39.4

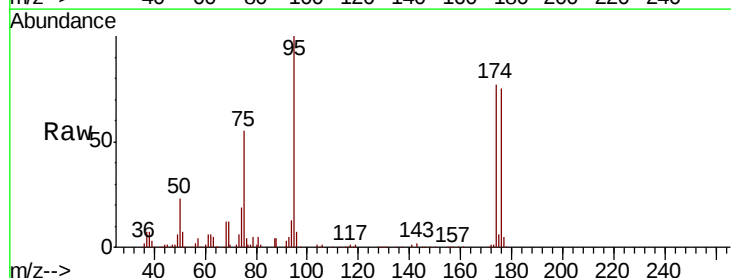


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

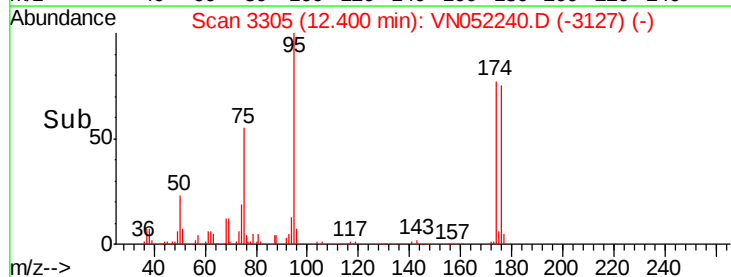
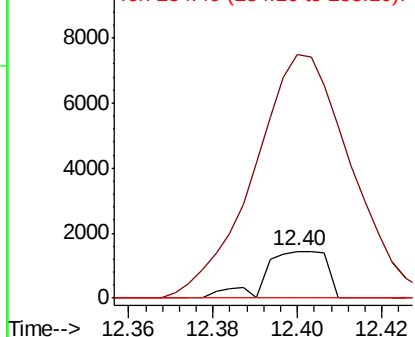


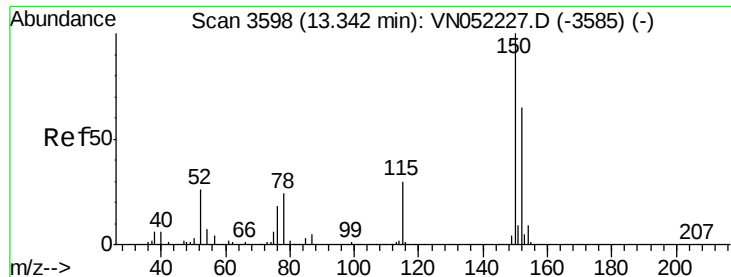
#71
Bromoform
Concen: 0.749 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052240.D
Acq: 9 Nov 2018 21:09

Tgt Ion:173 Resp: 1475
Ion Ratio Lower Upper
173 100
175 720.4 24.5 73.5#
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: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052240.D

Acq: 9 Nov 2018 21:09

Instrument :

MSVOA_N

ClientSampled :

TP-7

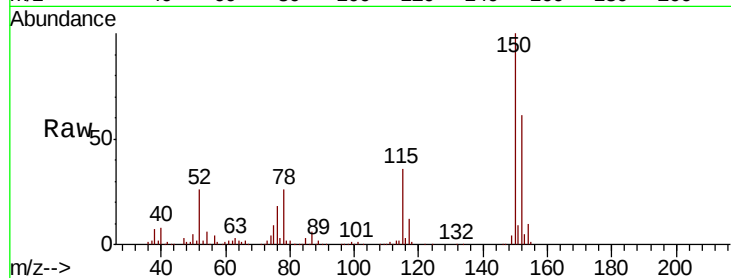
Tot Ion:152 Resp: 162315

Ion Ratio Lower Upper

152 100

115 59.1 29.8 89.5

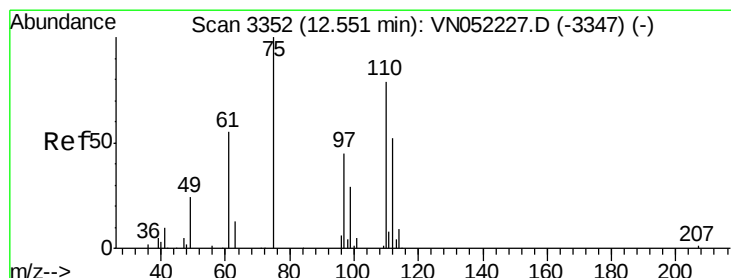
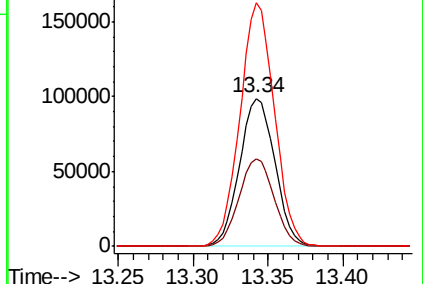
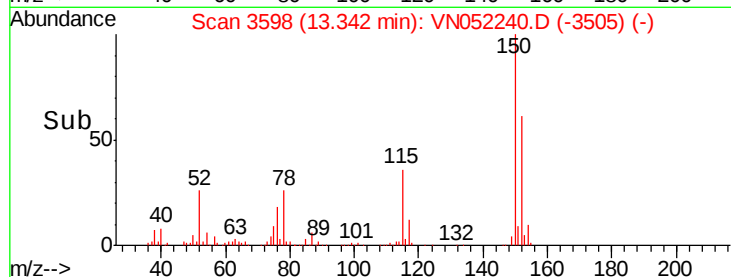
150 160.8 0.0 350.2



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: 37.375 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052240.D

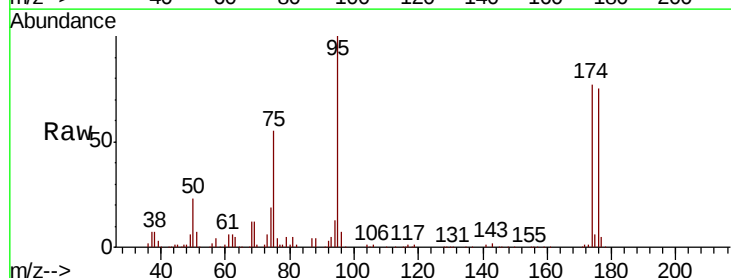
Acq: 9 Nov 2018 21:09

Tgt Ion: 75 Resp: 107332

Ion Ratio Lower Upper

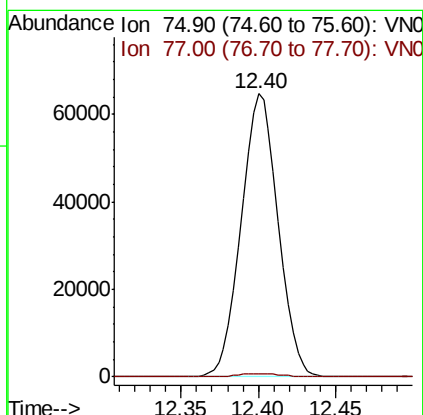
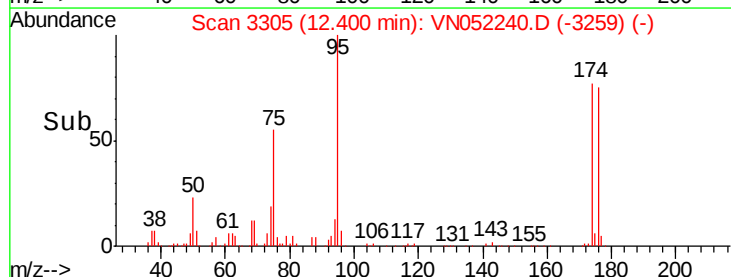
75 100

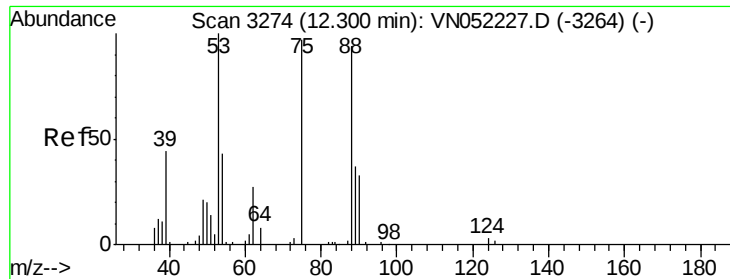
77 1.4 0.0 0.0#



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: 127.577 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052240.D

Acq: 9 Nov 2018 21:09

Instrument :

MSVOA_N

ClientSampled :

TP-7

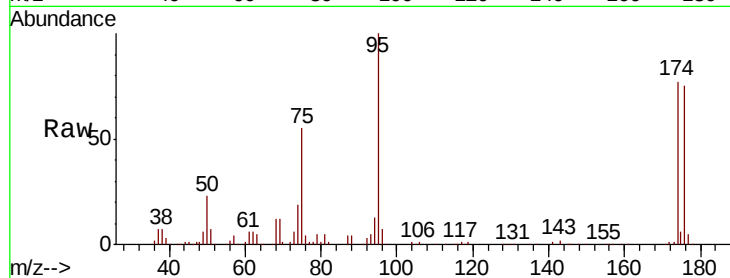
Tot Ion: 75 Resp: 107332

Ion Ratio Lower Upper

75 100

53 0.0 84.0 126.0#

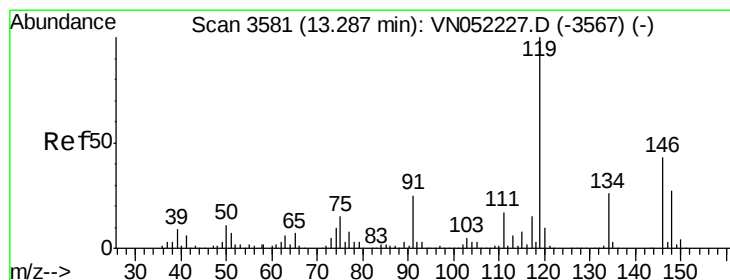
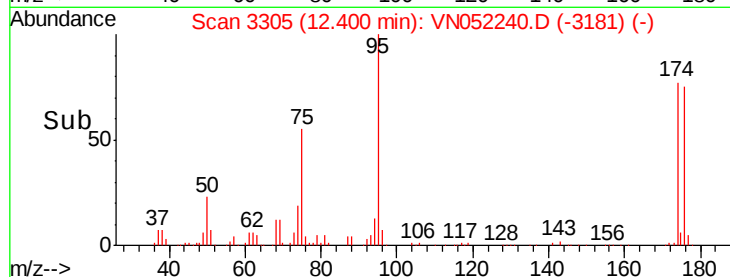
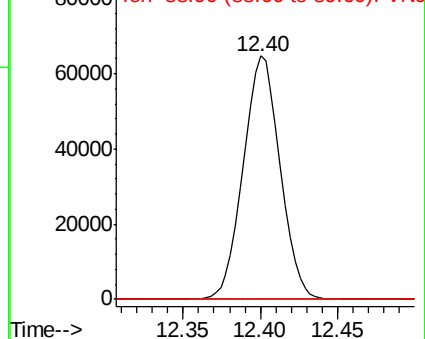
89 0.0 33.7 50.5#



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



#86

p-Isopropyltoluene

Concen: 0.337 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052240.D

Acq: 9 Nov 2018 21:09

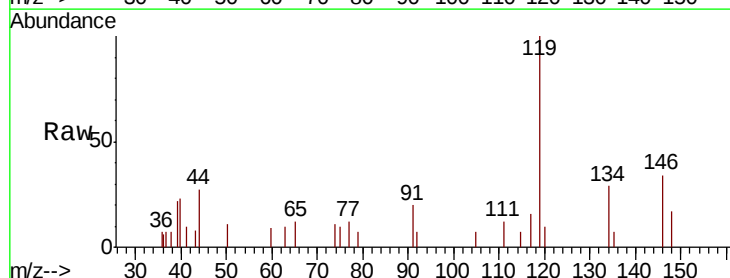
Tgt Ion: 119 Resp: 3560

Ion Ratio Lower Upper

119 100

134 29.4 13.2 39.6

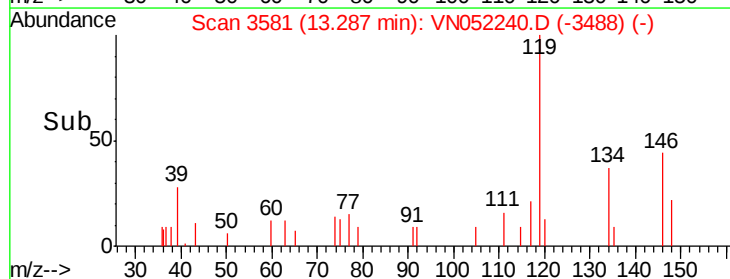
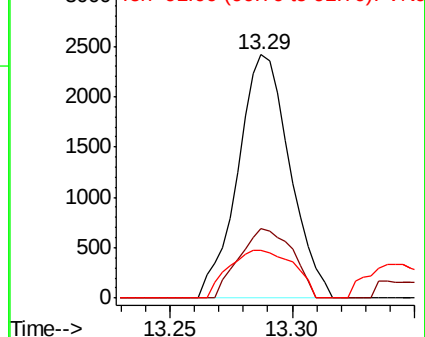
91 24.7 12.4 37.0

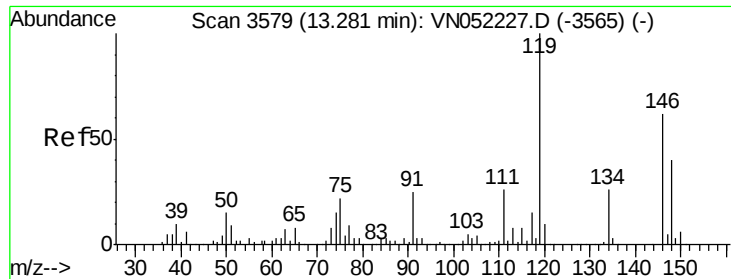


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VN0

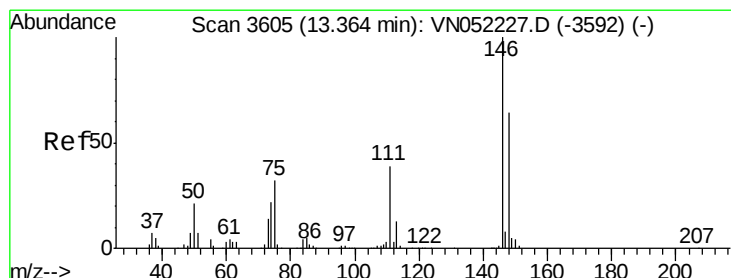
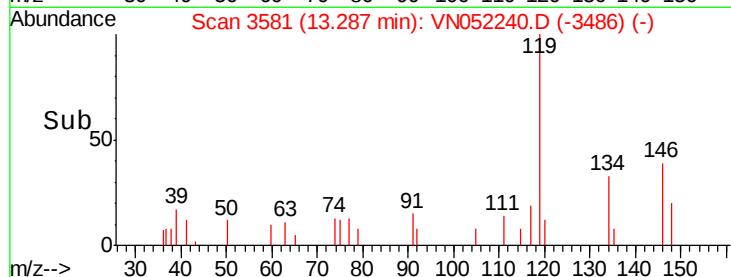
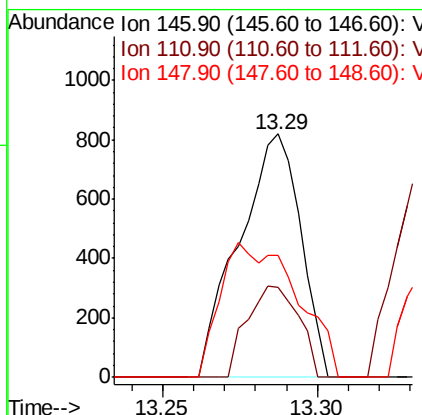
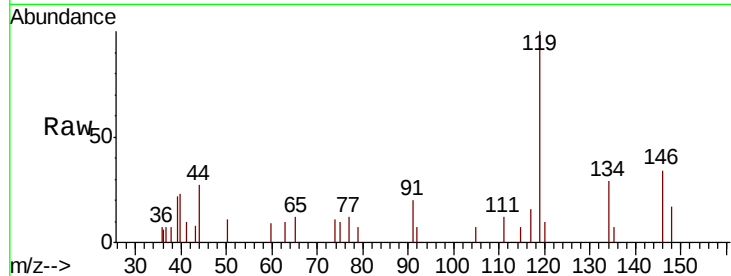




#87
 1,3-Dichlorobenzene
 Concen: 0.210 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.01 min
 Lab File: VN052240.D
 Acq: 9 Nov 2018 21:09

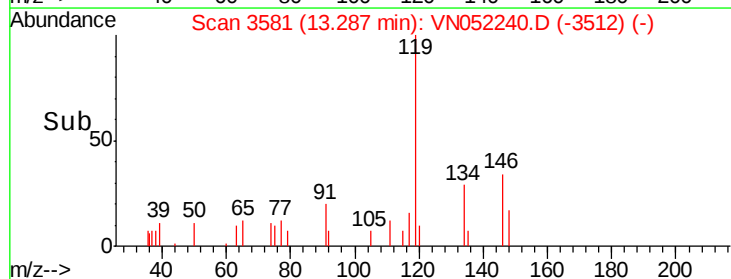
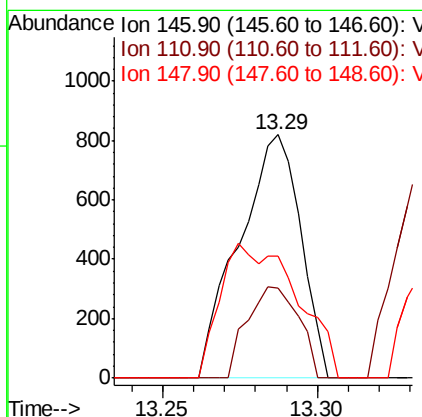
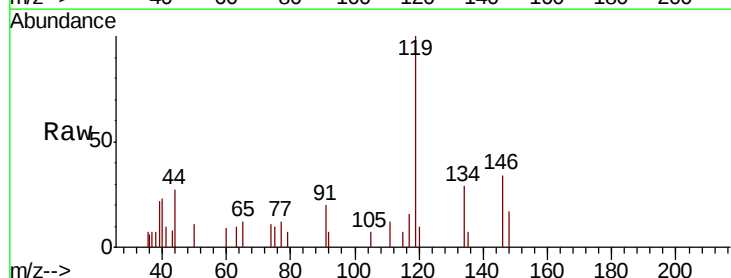
Instrument :
 MSVOA_N
 ClientSampled :
 TP-7

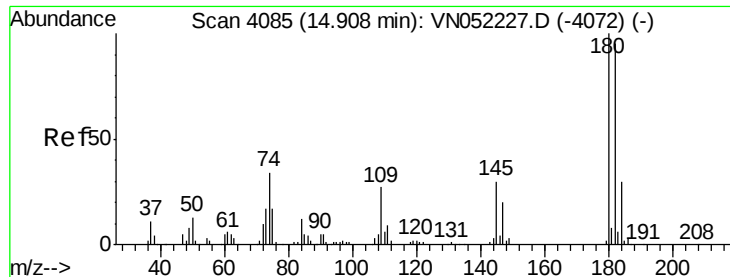
Tot Ion:146 Resp: 1136
 Ion Ratio Lower Upper
 146 100
 111 31.3 20.1 60.3
 148 68.5 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 0.210 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.08 min
 Lab File: VN052240.D
 Acq: 9 Nov 2018 21:09

Tgt Ion:146 Resp: 1136
 Ion Ratio Lower Upper
 146 100
 111 31.3 20.2 60.6
 148 68.5 32.1 96.3





#93

1,2,4-Trichlorobenzene

Concen: 0.870 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN052240.D

Acq: 9 Nov 2018 21:09

Instrument :

MSVOA_N

ClientSampled :

TP-7

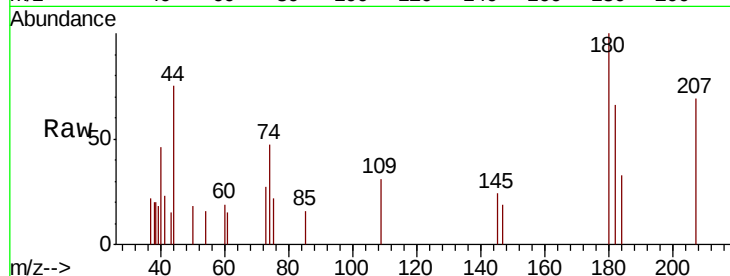
Tot Ion:180 Resp: 1815

Ion Ratio Lower Upper

180 100

182 80.6 47.3 142.0

145 12.9 15.6 46.8#

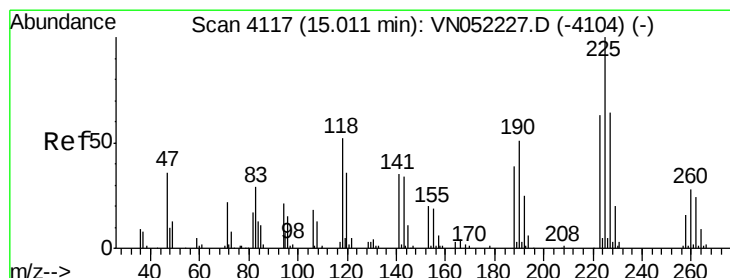
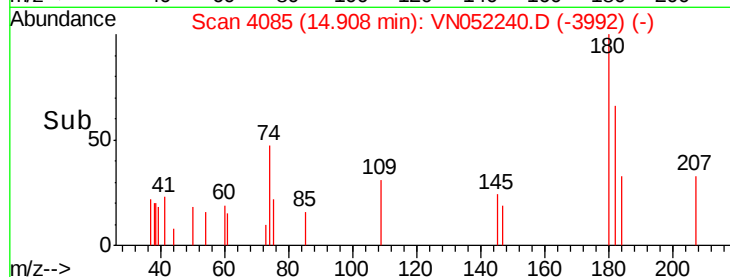
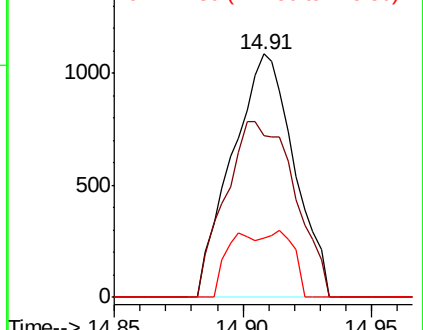


Abundance

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: 0.741 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN052240.D

Acq: 9 Nov 2018 21:09

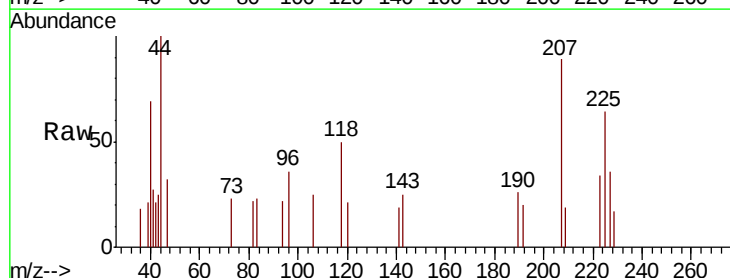
Tgt Ion:225 Resp: 840

Ion Ratio Lower Upper

225 100

223 44.2 32.1 96.3

227 45.7 31.8 95.4

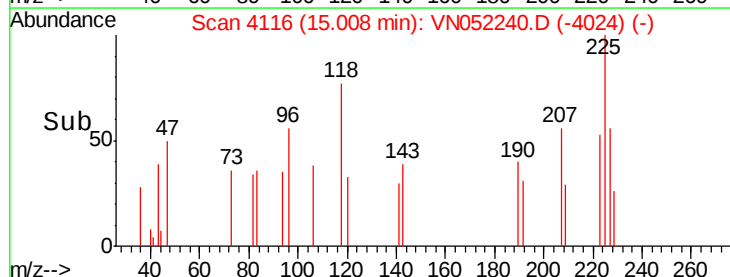
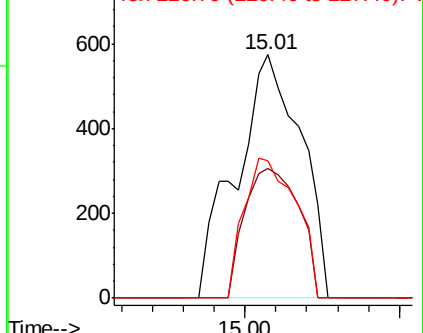


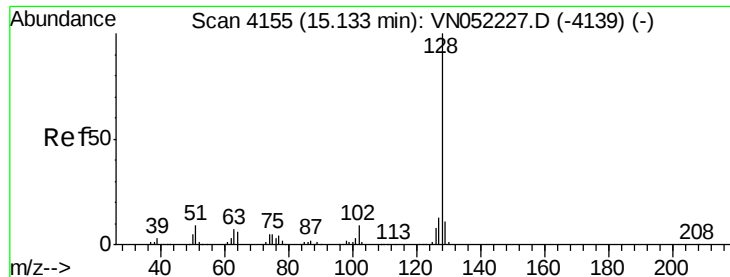
Abundance

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: 0.839 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052240.D

Acq: 9 Nov 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

TP-7

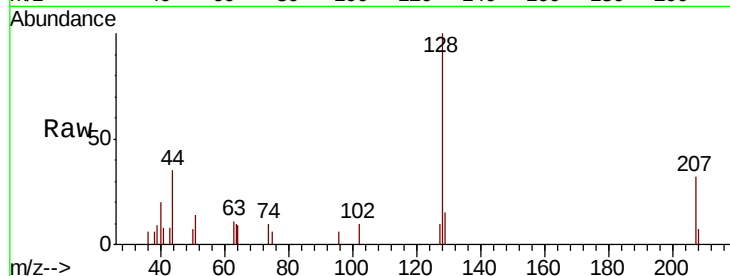
Tot Ion:128 Resp: 4317

Ion Ratio Lower Upper

128 100

127 14.3 10.6 16.0

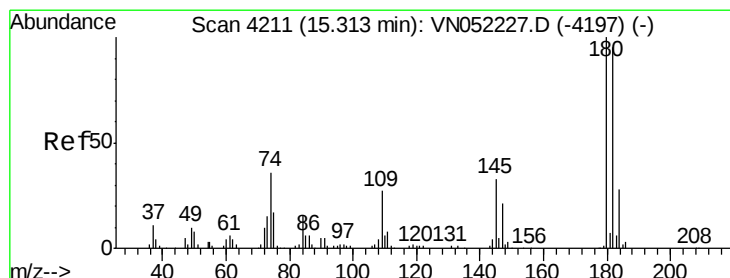
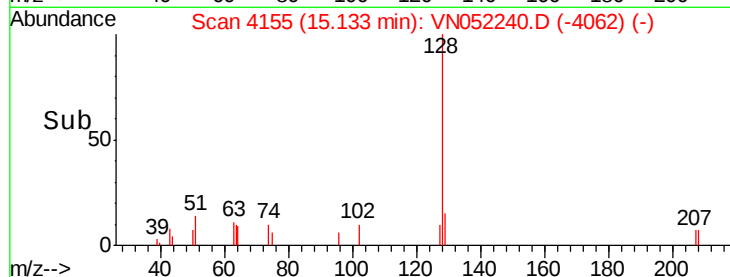
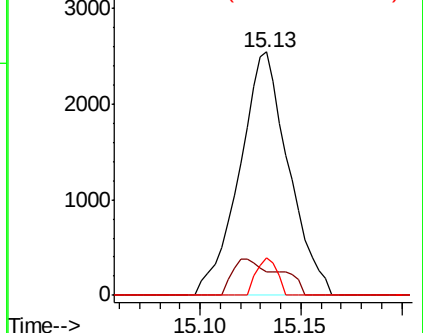
129 6.5 8.7 13.1#



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: 0.875 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052240.D

Acq: 9 Nov 2018 21:09

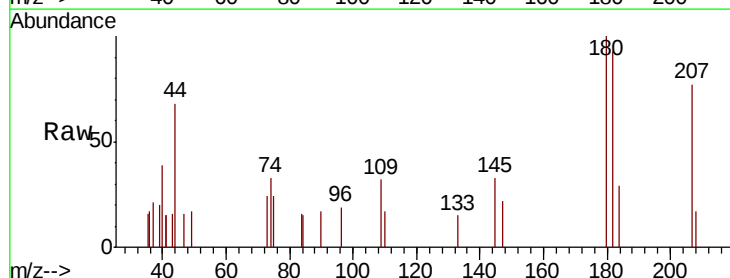
Tgt Ion:180 Resp: 1726

Ion Ratio Lower Upper

180 100

182 96.5 47.7 143.1

145 30.7 16.8 50.3



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

