

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052243.D
 Acq On : 9 Nov 2018 22:29
 Operator : MD\SY
 Sample : J5895-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-3

Quant Time: Nov 12 03:26:34 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	326648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	553906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	466997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166273	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	215336	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
35) Dibromofluoromethane	7.59	113	172535	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
50) Toluene-d8	10.09	98	680492	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.40	95	200321	44.11	ug/l	0.00
Spiked Amount			Recovery	=	88.22%	

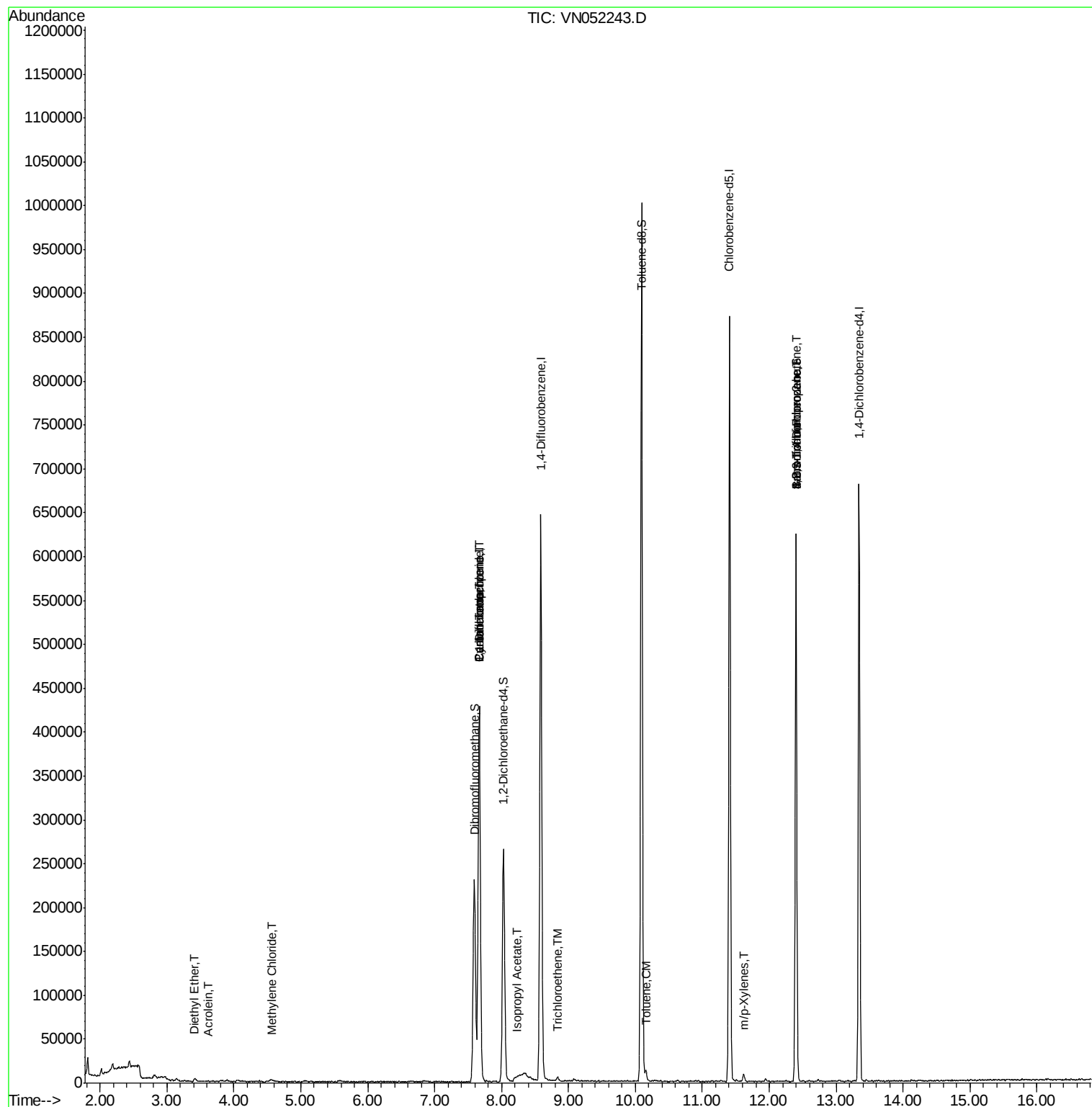
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.42	74	1084	0.479	ug/l	61
13) Acrolein	3.61	56	287	34.797	ug/l #	12
16) Acetone	3.82	43	927	Below Cal	#	77
20) Methylene Chloride	4.56	84	897	0.220	ug/l #	76
31) Cyclohexane	7.67	56	9812	0.739	ug/l #	32
36) 1,1-Dichloropropene	7.67	75	28677	5.129	ug/l #	51
38) Carbon Tetrachloride	7.67	117	33935	6.698	ug/l #	15
43) Isopropyl Acetate	8.22	43	5375	0.733	ug/l #	64
44) Trichloroethene	8.83	130	1605	0.400	ug/l	90
52) Toluene	10.15	92	4354	0.451	ug/l	90
68) m/p-Xylenes	11.62	106	2449	0.378	ug/l	94
71) Bromoform	12.40	173	1594	0.797	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	108407	36.851	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	108407	125.787	ug/l #	8

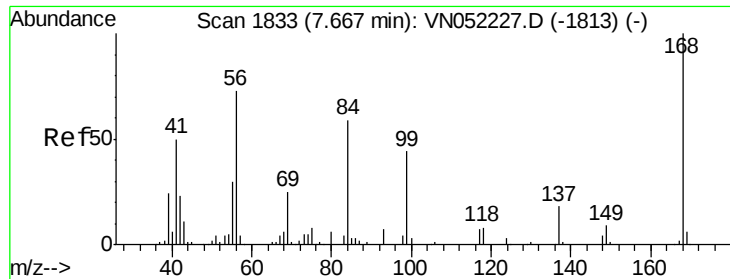
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052243.D

Acq: 9 Nov 2018 22:29

Instrument :

MSVOA_N

ClientSampled :

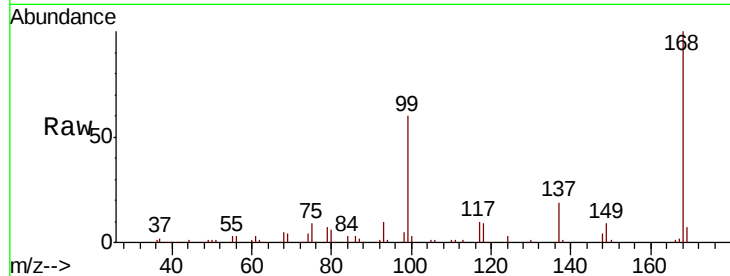
SB-3

Tot Ion:168 Resp: 326648

Ion Ratio Lower Upper

168 100

99 60.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

100000

50000

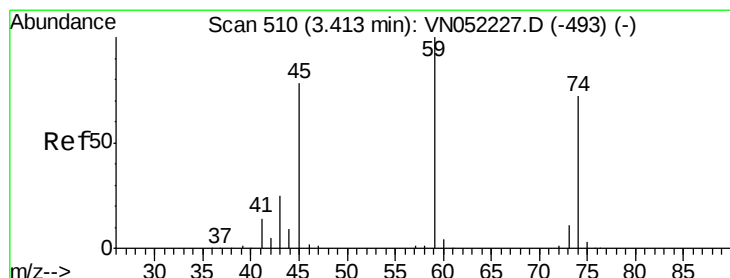
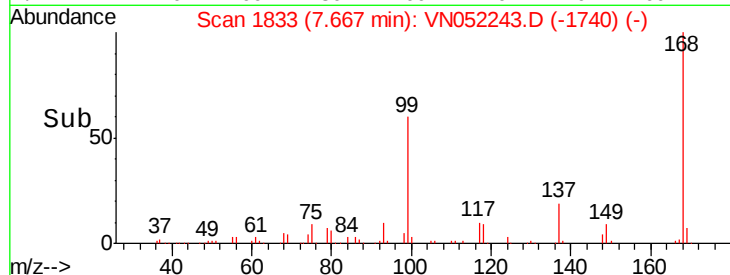
0

Time-->

7.60

7.70

7.80



#8

Diethyl Ether

Concen: 0.479 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.00 min

Lab File: VN052243.D

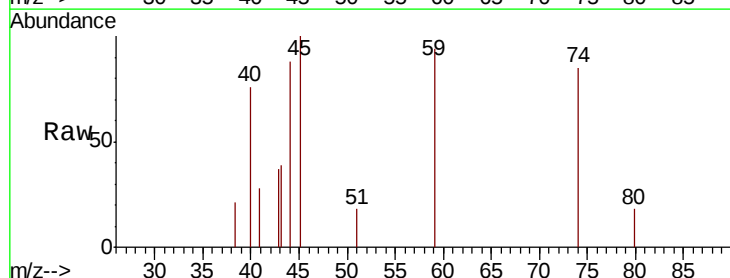
Acq: 9 Nov 2018 22:29

Tgt Ion: 74 Resp: 1084

Ion Ratio Lower Upper

74 100

45 152.3 55.5 166.7



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

1000

800

600

400

200

0

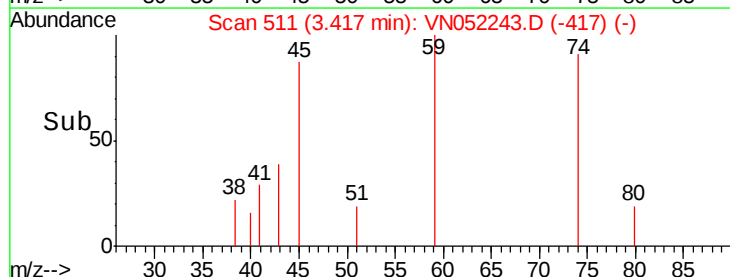
Time-->

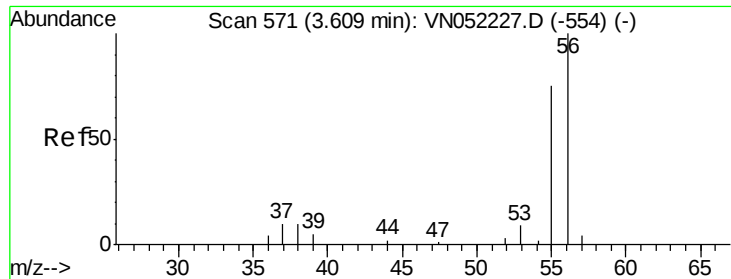
3.38

3.40

3.42

3.44





#13

Acrolein

Concen: 34.797 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052243.D

Acq: 9 Nov 2018 22:29

Instrument :

MSVOA_N

ClientSampled :

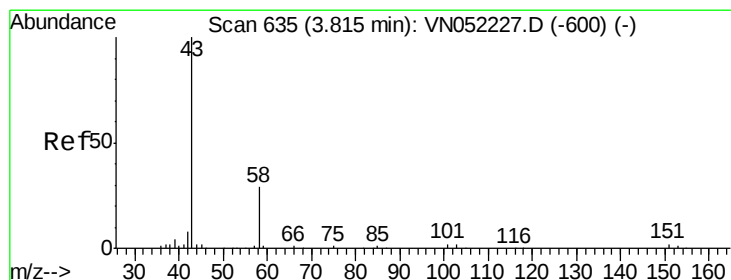
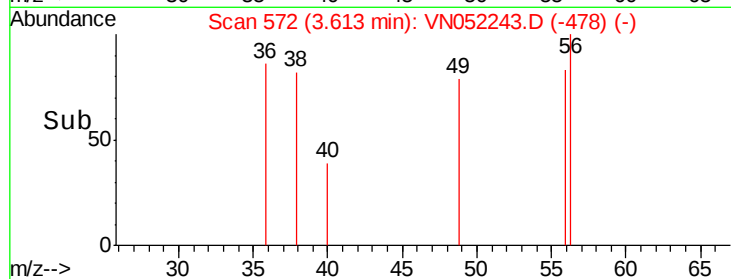
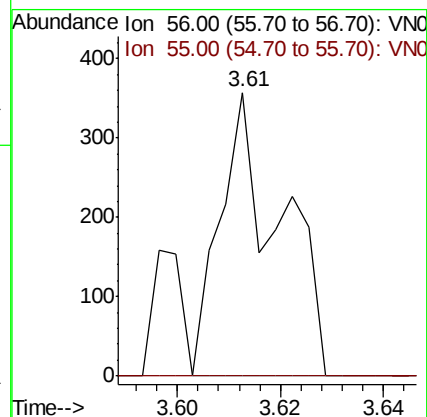
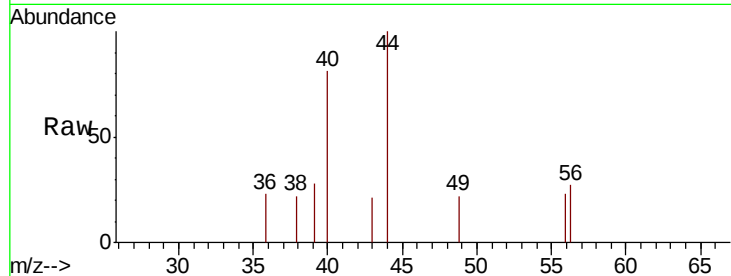
SB-3

Tot Ion: 56 Resp: 287

Ion Ratio Lower Upper

56 100

55 0.0 59.9 89.9#



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052243.D

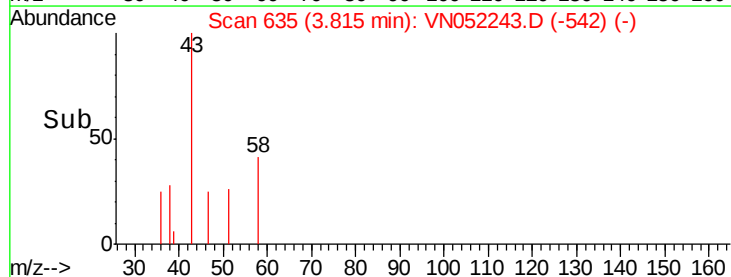
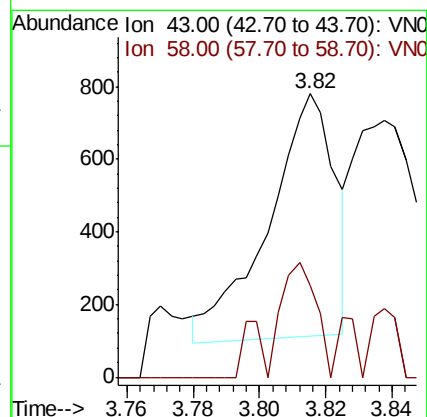
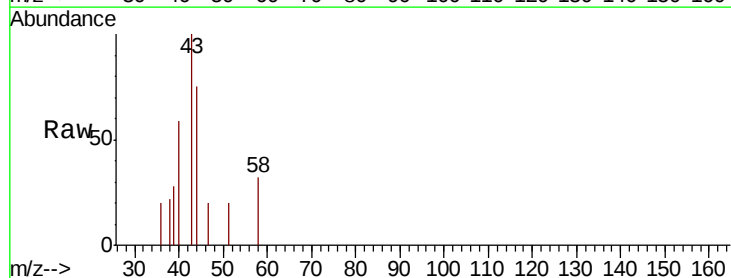
Acq: 9 Nov 2018 22:29

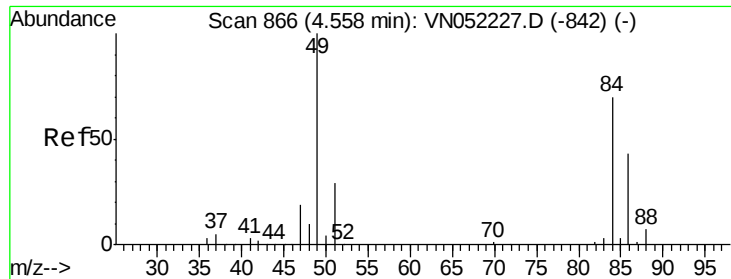
Tgt Ion: 43 Resp: 927

Ion Ratio Lower Upper

43 100

58 41.1 23.0 34.6#

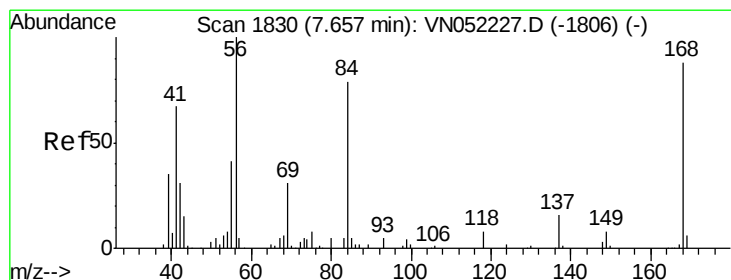
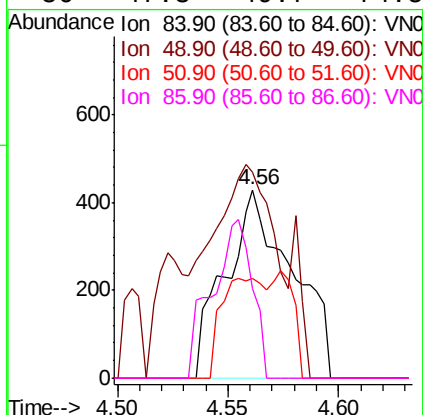
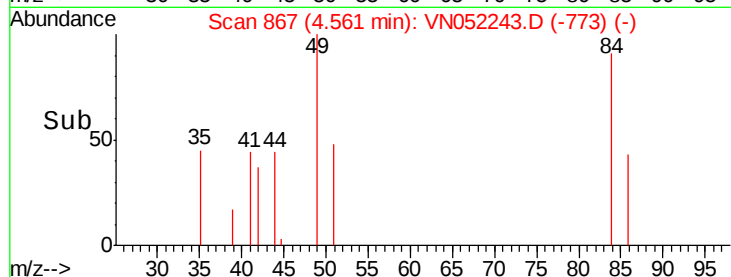
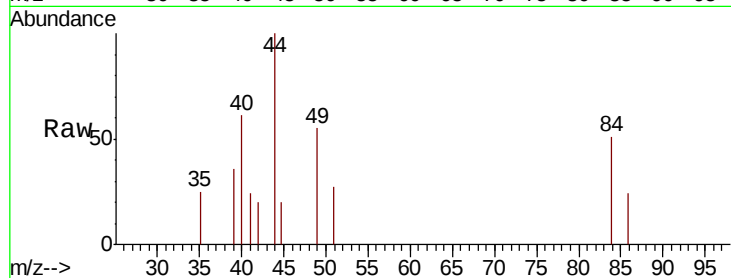




#20
Methvlene Chloride
Concen: 0.220 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.00 min
Lab File: VN052243.D
Acq: 9 Nov 2018 22:29

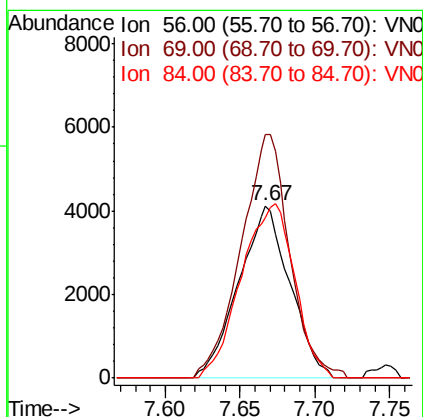
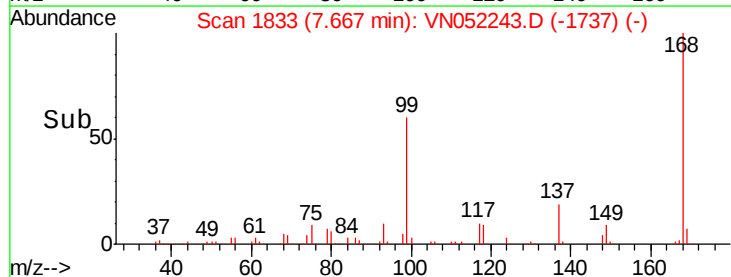
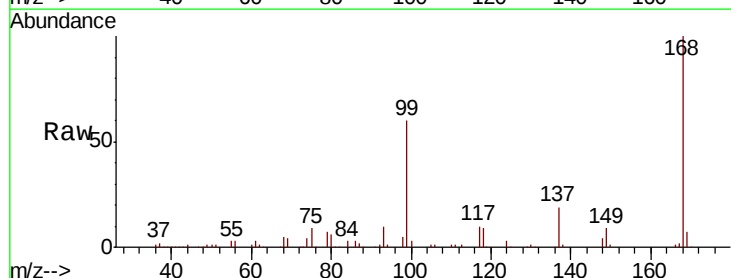
Instrument :
MSVOA_N
ClientSampled :
SB-3

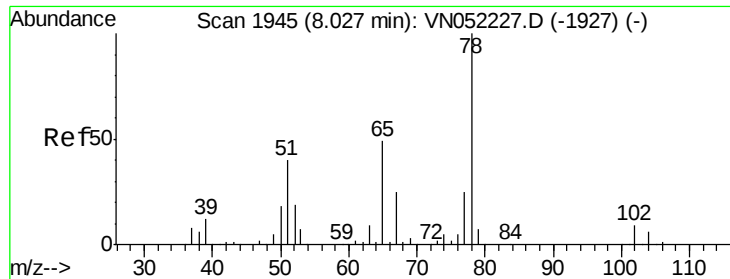
Tot Ion: 84 Resp: 897
Ion Ratio Lower Upper
84 100
49 109.8 114.8 172.2#
51 52.7 33.1 49.7#
86 47.3 49.7 74.5#



#31
Cyclohexane
Concen: 0.739 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052243.D
Acq: 9 Nov 2018 22:29

Tgt Ion: 56 Resp: 9812
Ion Ratio Lower Upper
56 100
69 141.1 24.8 37.2#
84 92.8 63.1 94.7

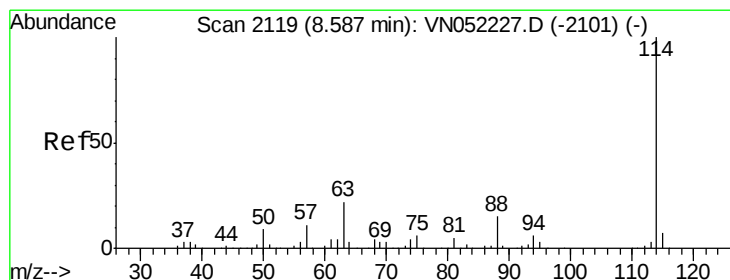
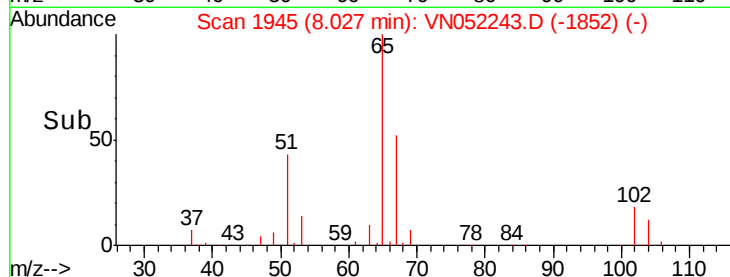
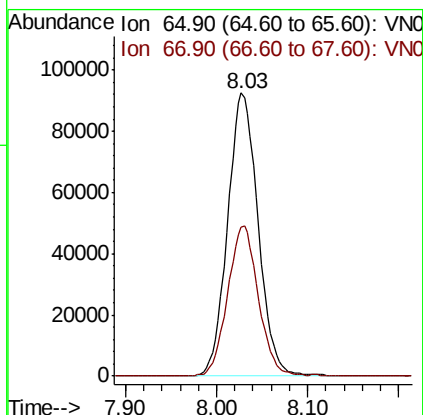
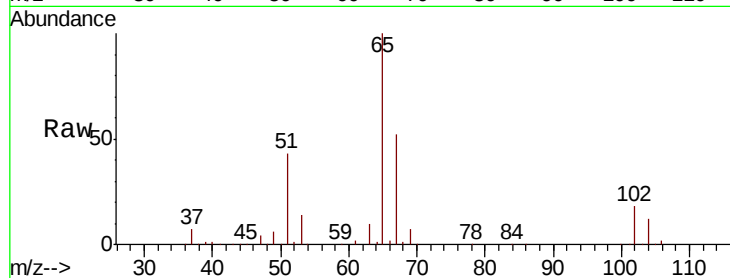




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052243.D
 Acq: 9 Nov 2018 22:29

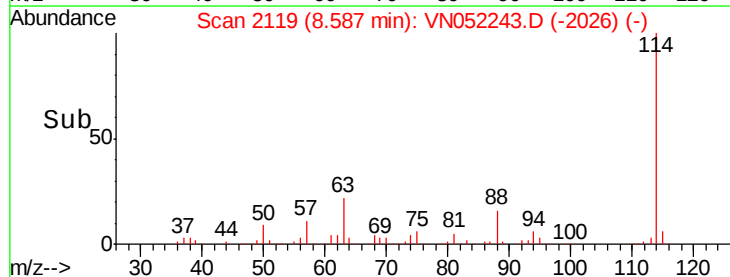
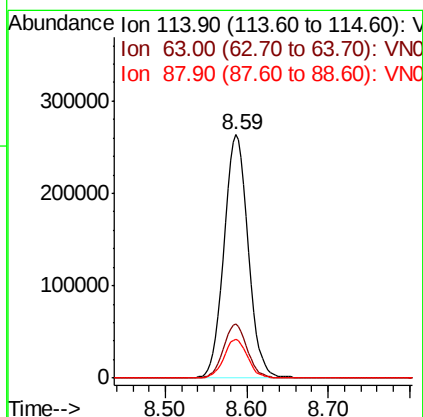
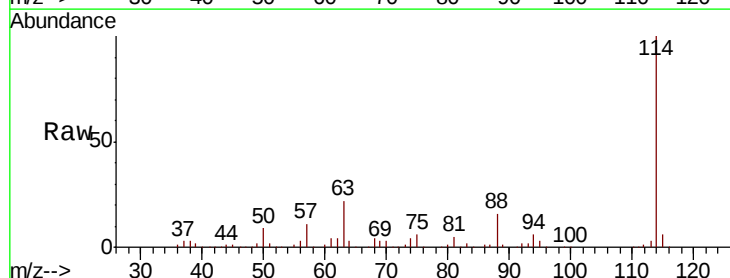
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-3

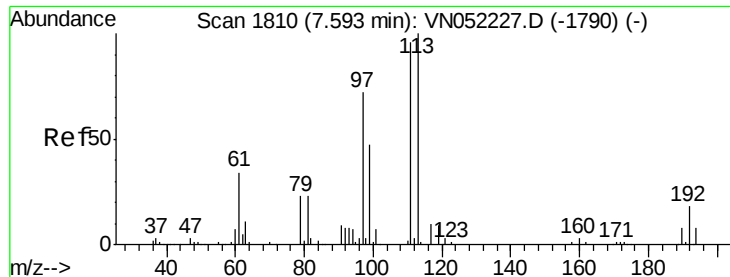
Tot Ion: 65 Resp: 215336
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052243.D
 Acq: 9 Nov 2018 22:29

Tgt Ion: 114 Resp: 553906
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.4
 88 15.7 0.0 30.2

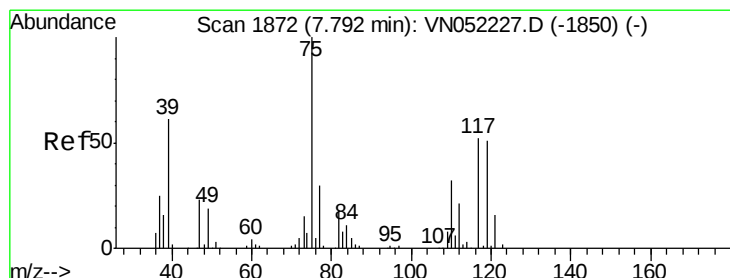
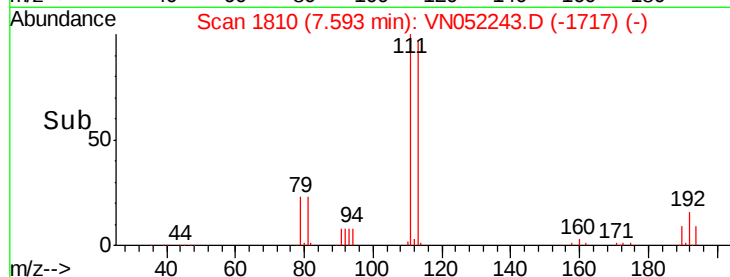
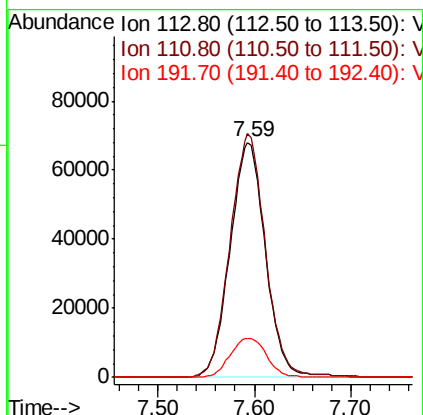
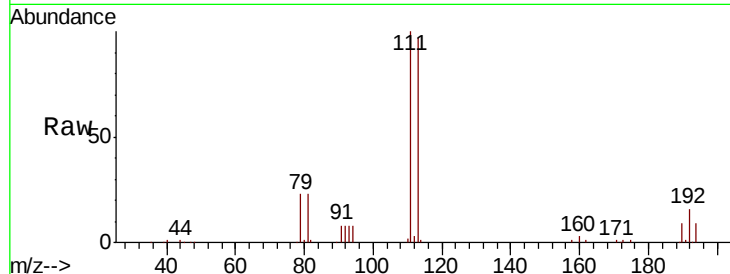




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052243.D
 Acq: 9 Nov 2018 22:29

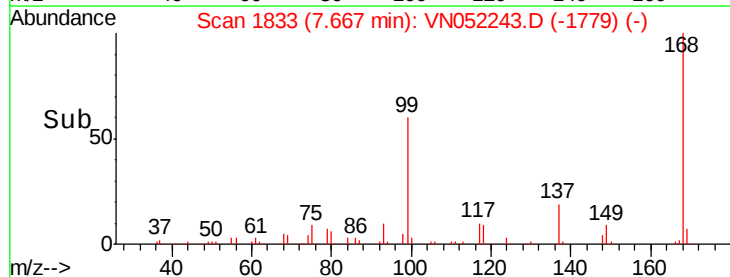
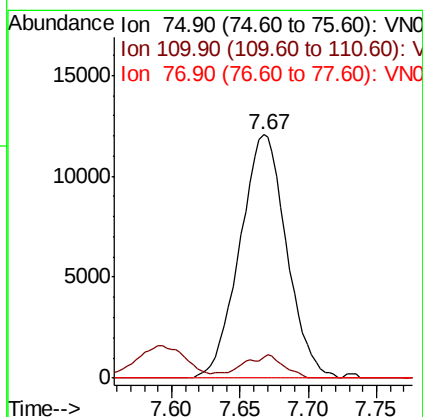
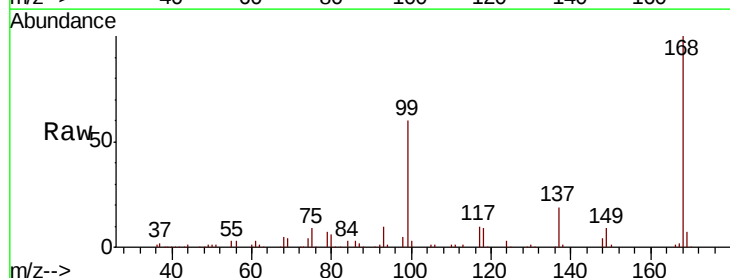
Instrument :
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 ClientSampleId :
 SB-3

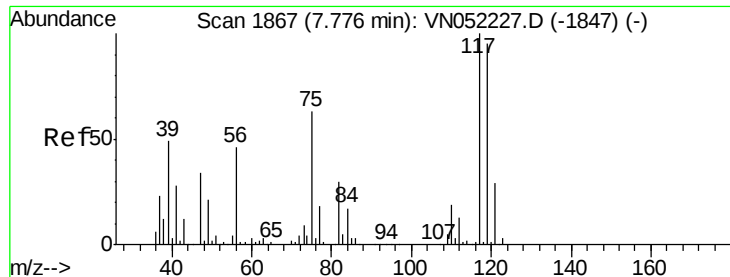
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.2	120.4
192	17.1	14.1	21.1



#36
 1,1-Dichloropropene
 Concen: 5.129 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052243.D
 Acq: 9 Nov 2018 22:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.4	49.4#
77	0.0	23.9	35.9#





#38

Carbon Tetrachloride

Concen: 6.698 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN052243.D

Acq: 9 Nov 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

SB-3

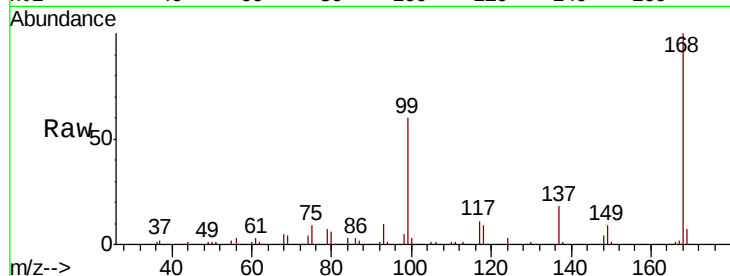
Tot Ion:117 Resp: 33935

Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.8#

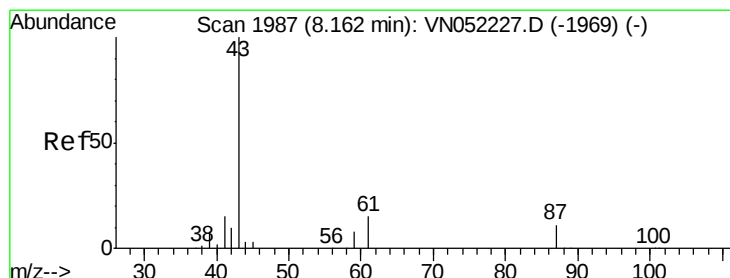
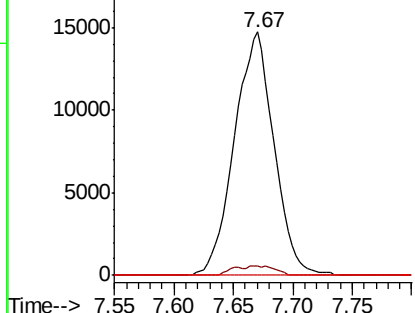
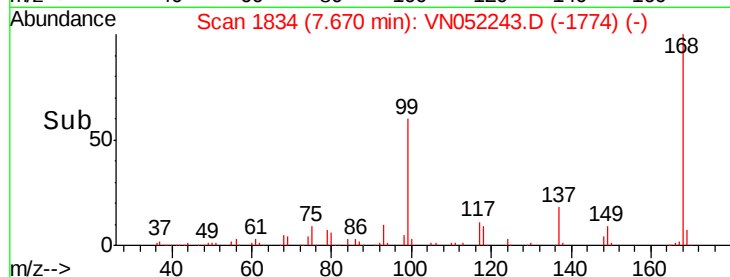
121 0.0 23.4 35.2#



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: 0.733 ug/l

RT: 8.22 min Scan# 2005

Delta R.T. 0.06 min

Lab File: VN052243.D

Acq: 9 Nov 2018 22:29

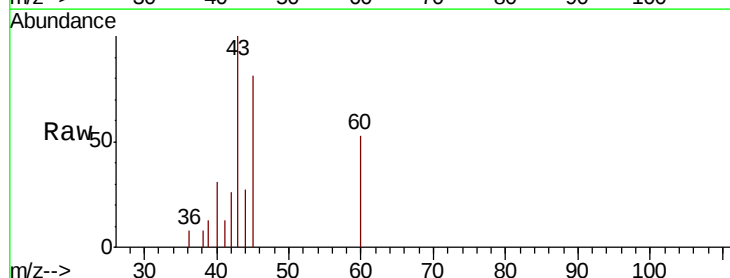
Tgt Ion: 43 Resp: 5375

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

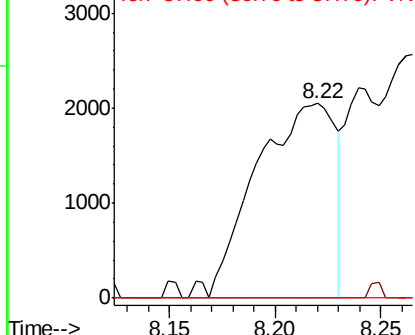
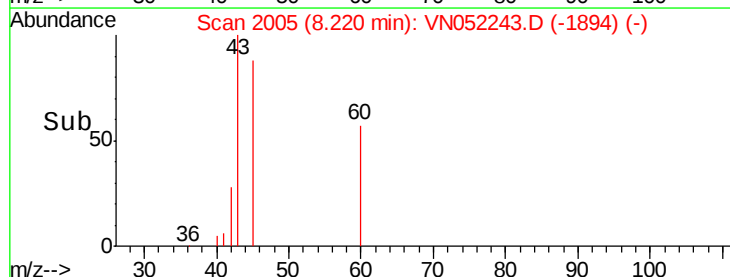
87 0.0 8.4 12.6#

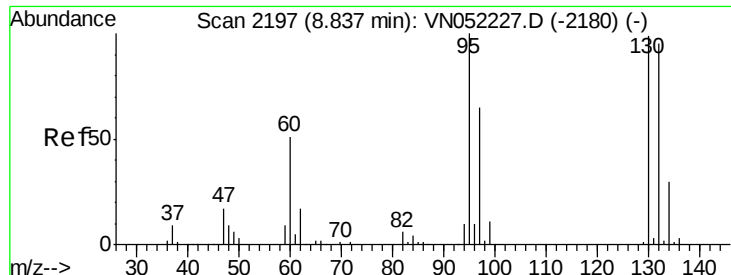


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

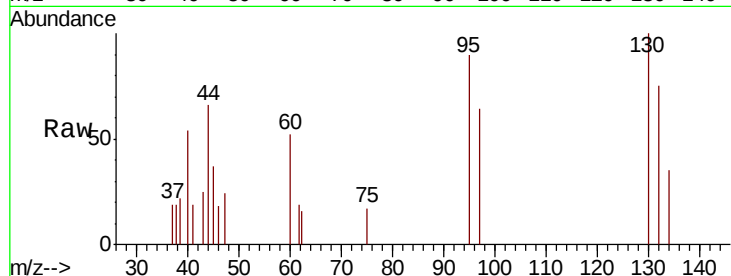




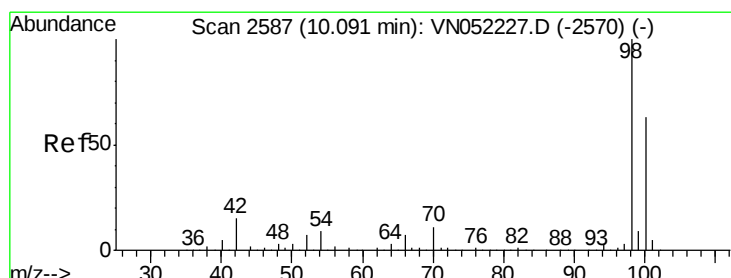
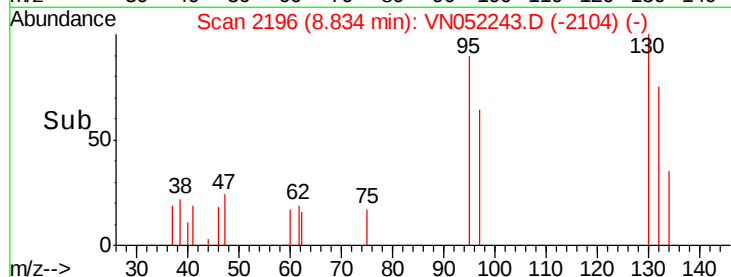
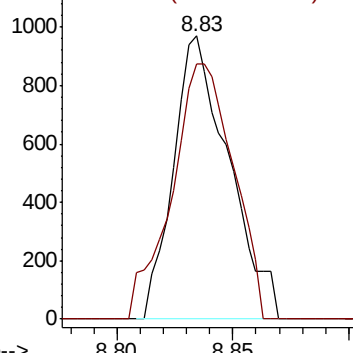
#44
 Trichloroethene
 Concen: 0.400 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN052243.D
 Acq: 9 Nov 2018 22:29

Instrument :
 MSVOA_N
 ClientSampled :
 SB-3

Tot Ion:130 Resp: 1605
 Ion Ratio Lower Upper
 130 100
 95 90.3 0.0 201.6

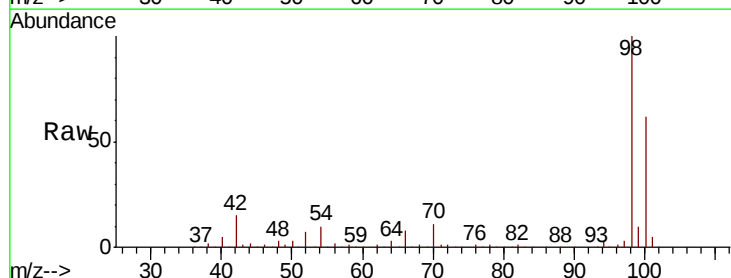


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

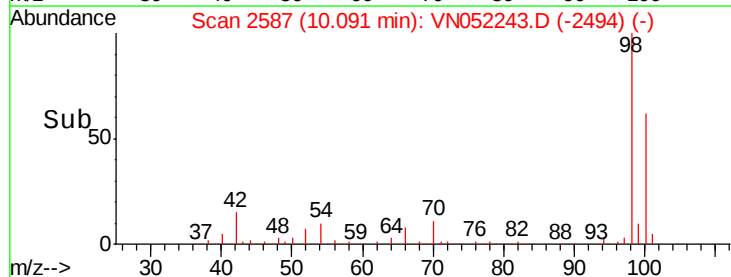
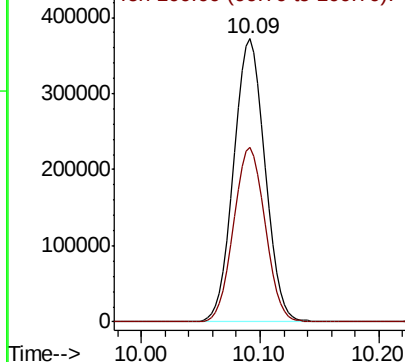


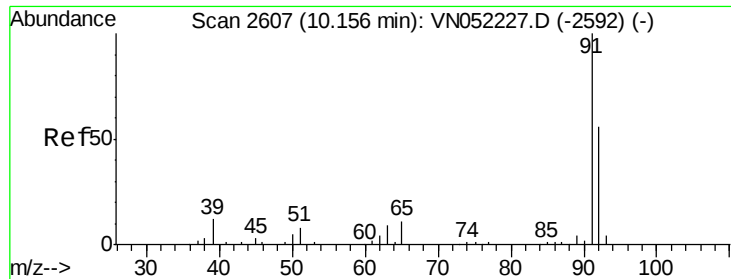
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN052243.D
 Acq: 9 Nov 2018 22:29

Tgt Ion: 98 Resp: 680492
 Ion Ratio Lower Upper
 98 100
 100 62.1 50.2 75.2



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





#52

Toluene

Concen: 0.451 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052243.D

Acq: 9 Nov 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

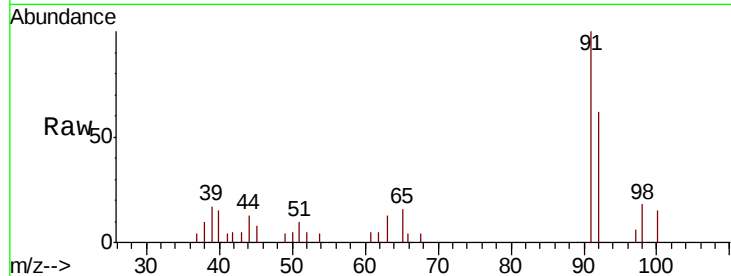
SB-3

Tot Ion: 92 Resp: 4354

Ion Ratio Lower Upper

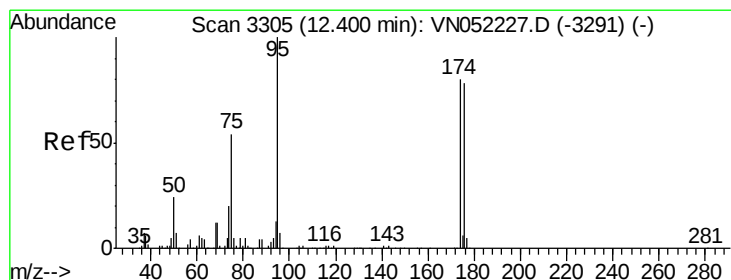
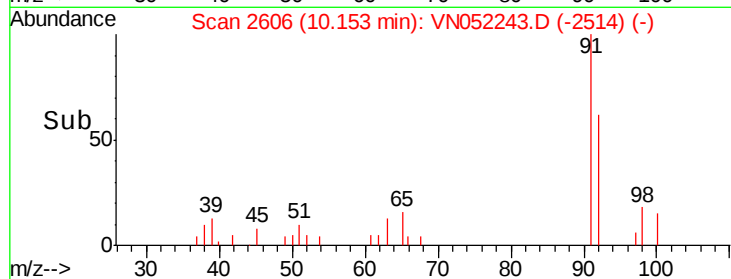
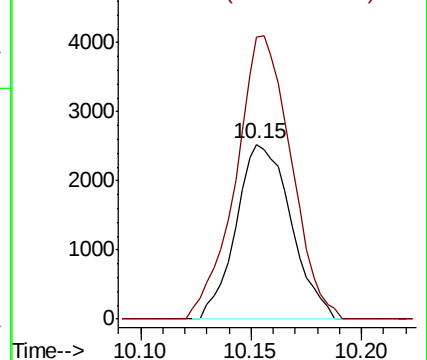
92 100

91 163.6 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052243.D

Acq: 9 Nov 2018 22:29

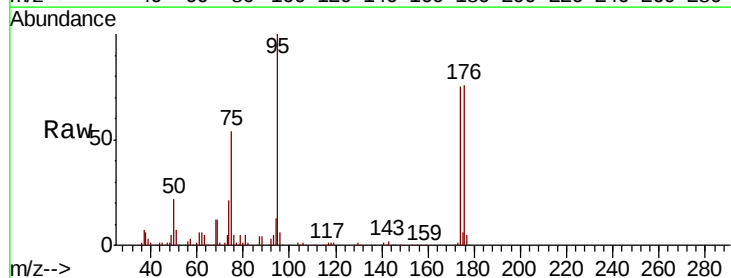
Tgt Ion: 95 Resp: 200321

Ion Ratio Lower Upper

95 100

174 77.2 0.0 159.4

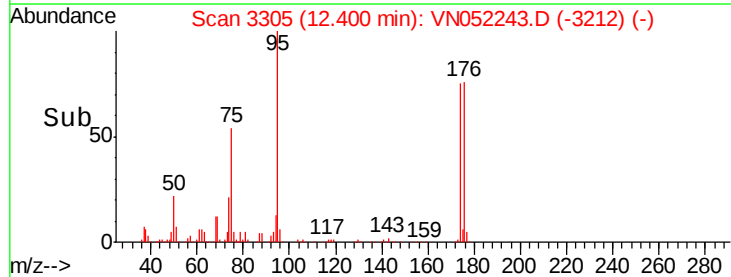
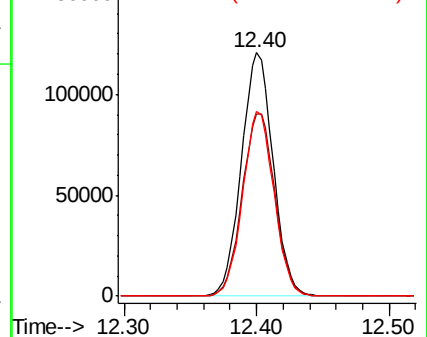
176 74.9 0.0 157.8

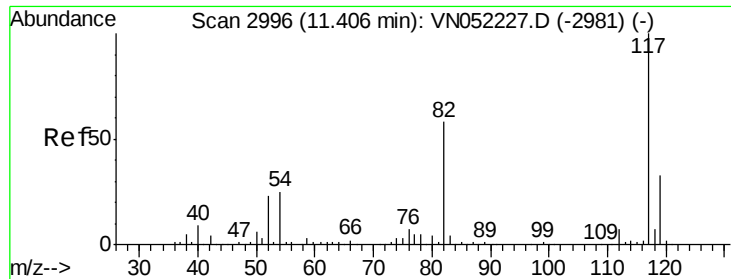


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

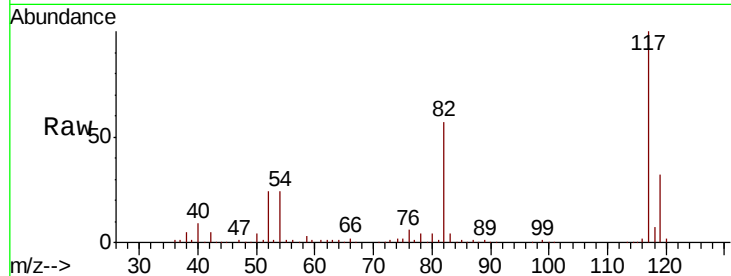




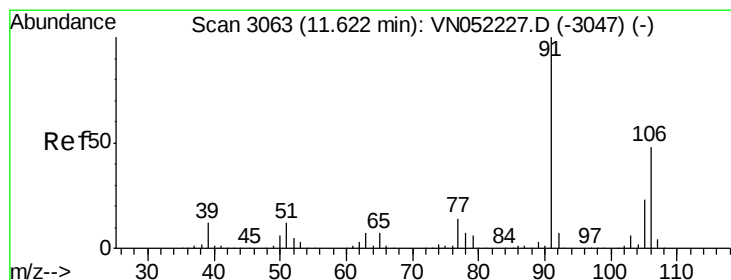
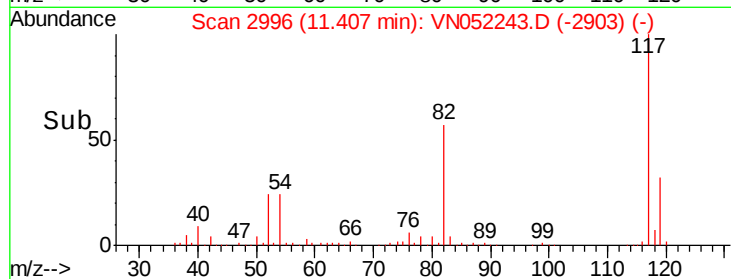
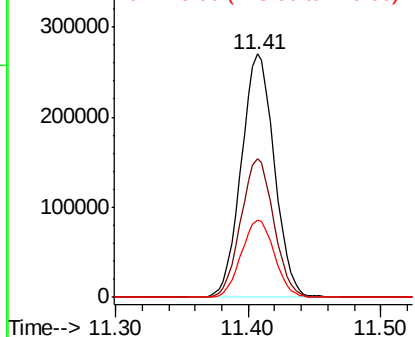
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052243.D
Acq: 9 Nov 2018 22:29

Instrument :
MSVOA_N
ClientSampled :
SB-3

Tot Ion:117 Resp: 466997
Ion Ratio Lower Upper
117 100
82 57.2 46.2 69.2
119 31.9 26.2 39.4

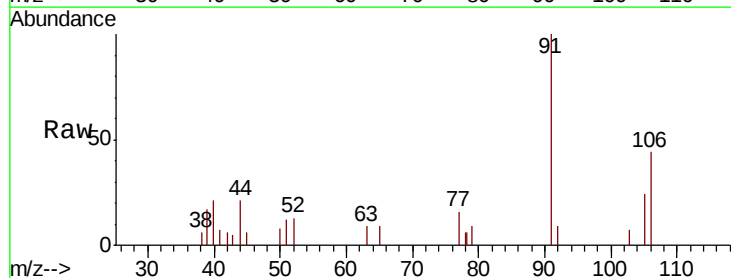


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

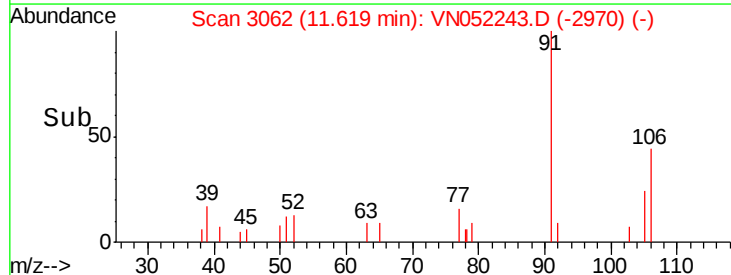
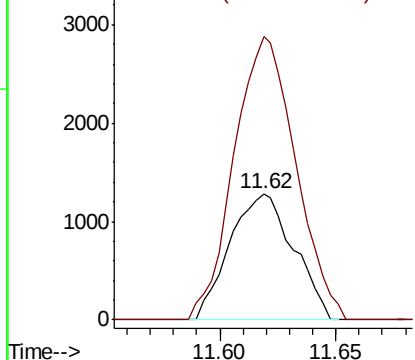


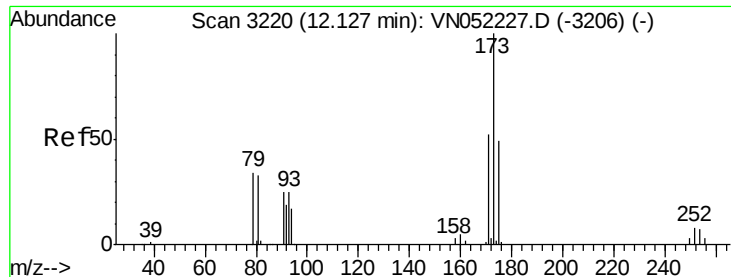
#68
m/p-Xylenes
Concen: 0.378 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052243.D
Acq: 9 Nov 2018 22:29

Tgt Ion:106 Resp: 2449
Ion Ratio Lower Upper
106 100
91 216.7 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 0.797 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052243.D

Acq: 9 Nov 2018 22:29

Instrument :

MSVOA_N

ClientSampled :

SB-3

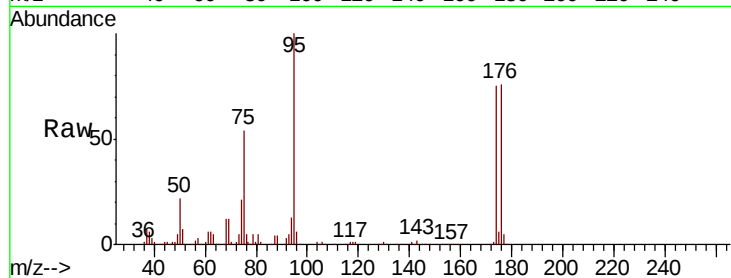
Tot Ion:173 Resp: 1594

Ion Ratio Lower Upper

173 100

175 683.3 24.5 73.5#

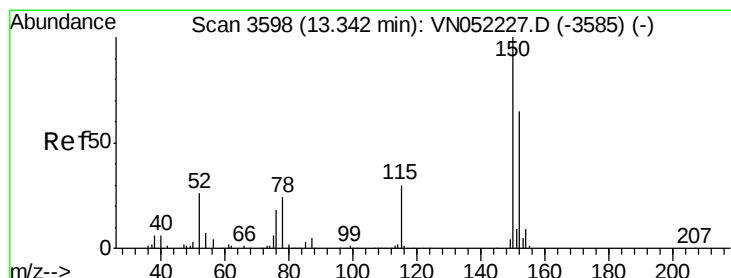
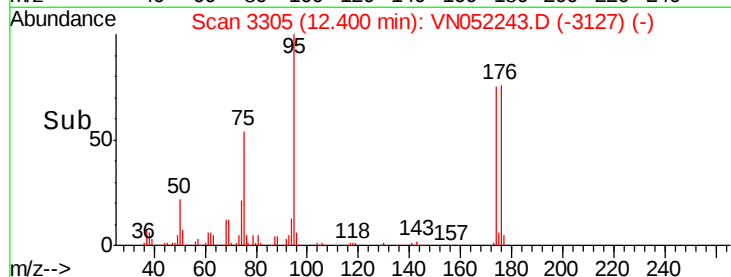
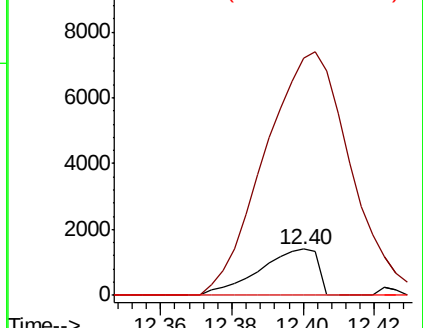
254 0.0 0.0 0.0



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: VN052243.D

Acq: 9 Nov 2018 22:29

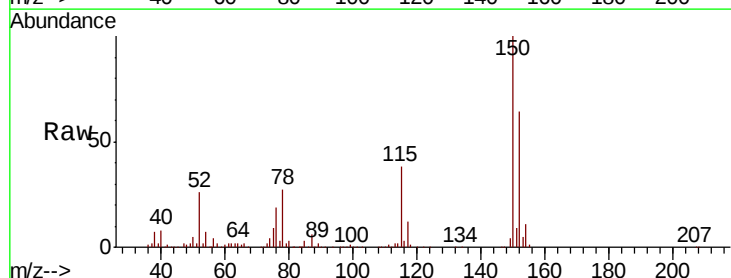
Tgt Ion:152 Resp: 166273

Ion Ratio Lower Upper

152 100

115 59.8 29.8 89.5

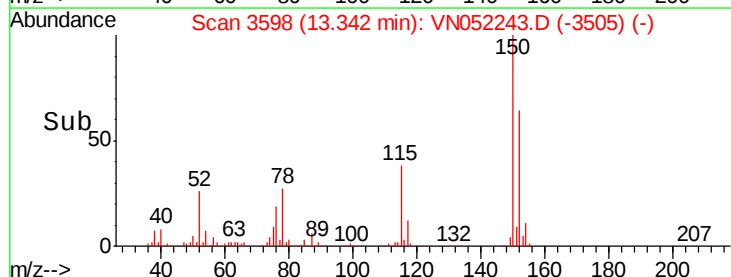
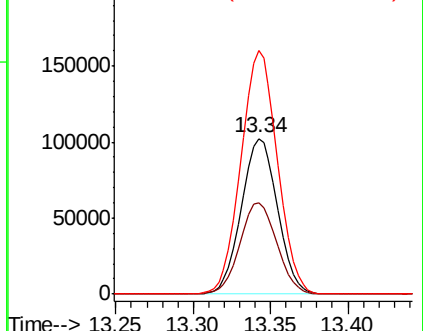
150 157.8 0.0 350.2

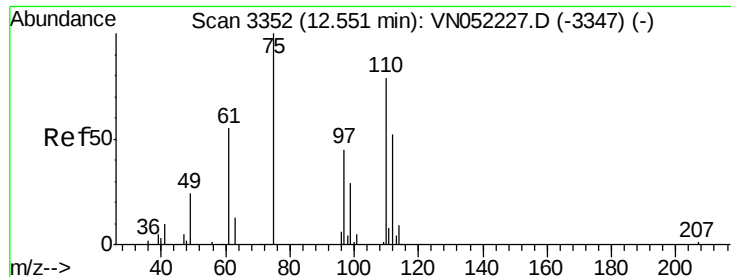


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

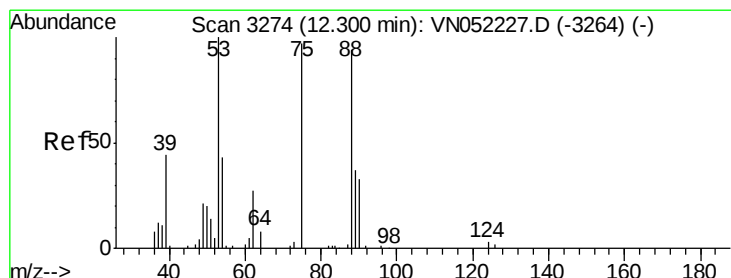
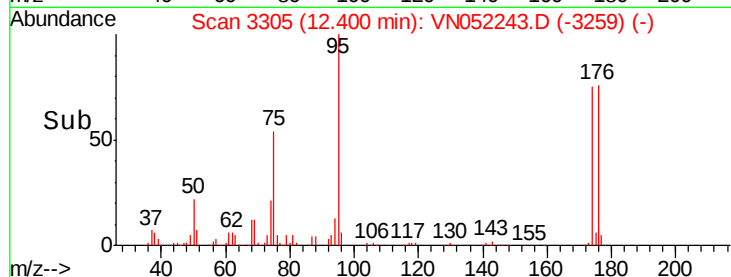
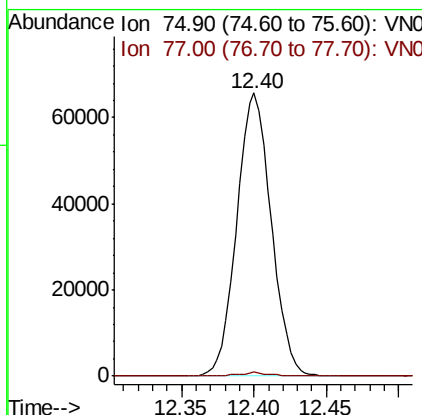
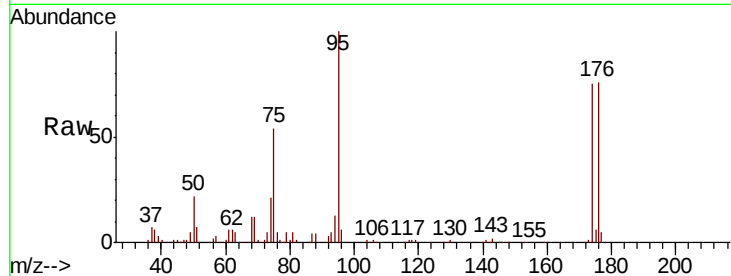




#76
 1,2,3-Trichloropropane
 Concen: 36.851 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052243.D
 Acq: 9 Nov 2018 22:29

Instrument :
 MSVOA_N
 ClientSampled :
 SB-3

Tot Ion: 75 Resp: 108407
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.787 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052243.D
 Acq: 9 Nov 2018 22:29

Tgt Ion: 75 Resp: 108407
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.0 126.0#
 89 0.0 33.7 50.5#

