

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120418\
 Data File : VN052649.D
 Acq On : 4 Dec 2018 12:53
 Operator : MD\SY
 Sample : J6209-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 12.68

Quant Time: Dec 05 03:07:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1186810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1820195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1560494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	561103	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	622088	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
35) Dibromofluoromethane	7.59	113	564556	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
50) Toluene-d8	10.09	98	2191581	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.40	95	664656	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	

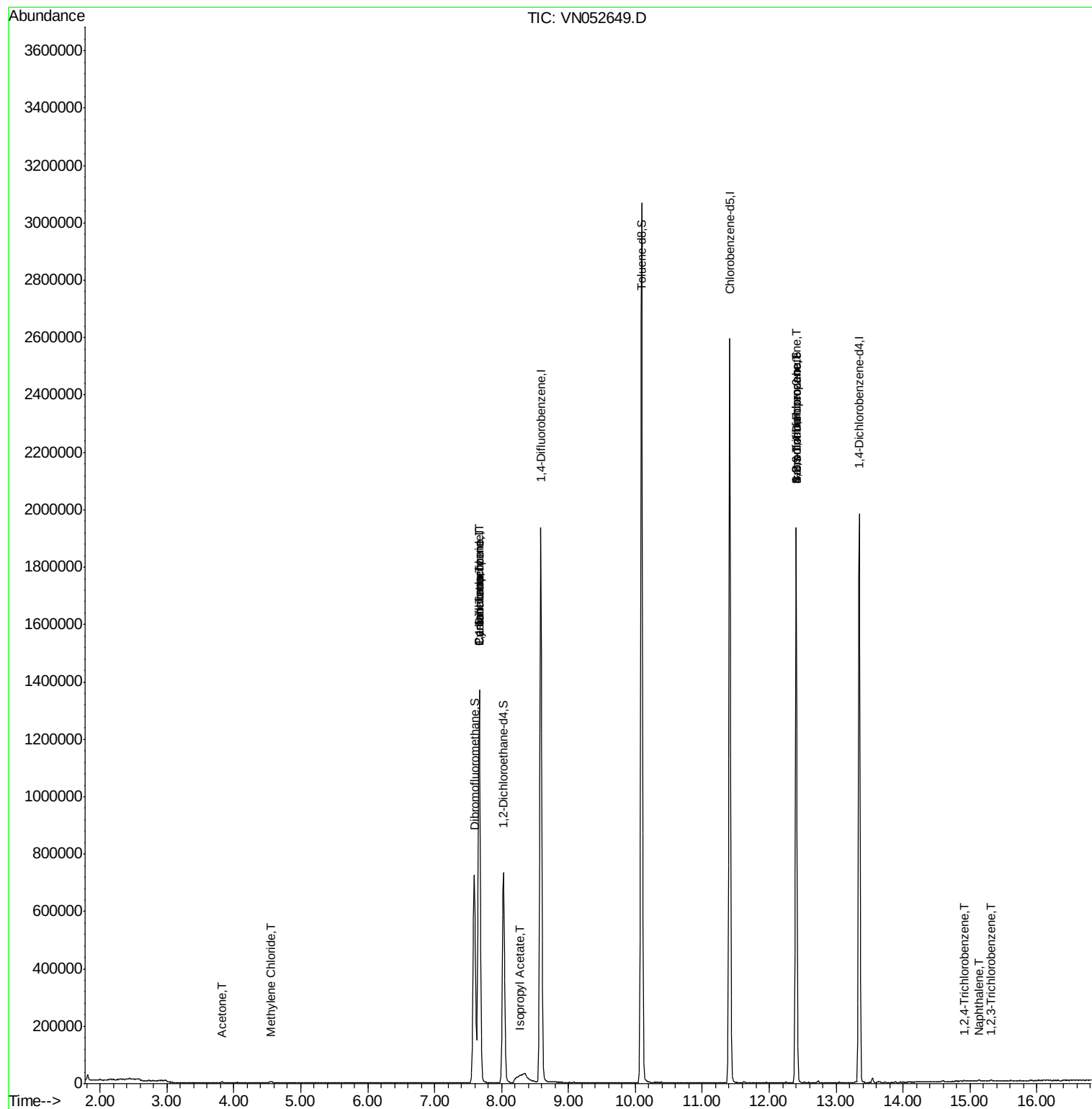
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	6082	1.784	ug/l #	85
20) Methylene Chloride	4.55	84	4756	0.357	ug/l #	93
31) Cyclohexane	7.66	56	20376	0.555	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	81023	4.714	ug/l #	50
38) Carbon Tetrachloride	7.67	117	106437	6.840	ug/l #	16
43) Isopropyl Acetate	8.28	43	48573	2.736	ug/l #	51
71) Bromoform	12.40	173	3718	0.502	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	316467	36.575	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	316467	122.144	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	1186	2.942	ug/l	93
95) Naphthalene	15.14	128	3351	3.576	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	1211	2.852	ug/l	96

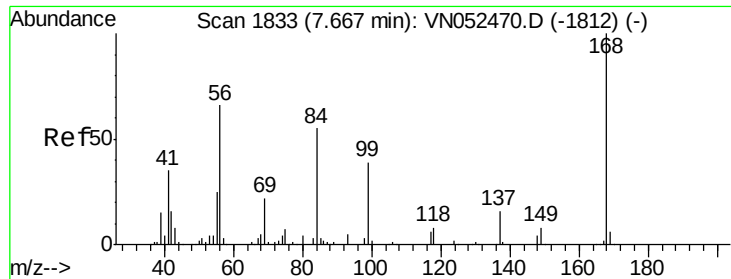
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052649.D

Acq: 4 Dec 2018 12:53

Instrument :

MSVOA_N

ClientSampleId :

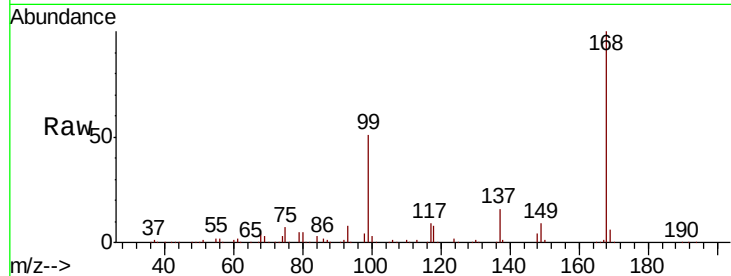
12.68

Tot Ion:168 Resp: 1186810

Ion Ratio Lower Upper

168 100

99 51.2 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

500000

400000

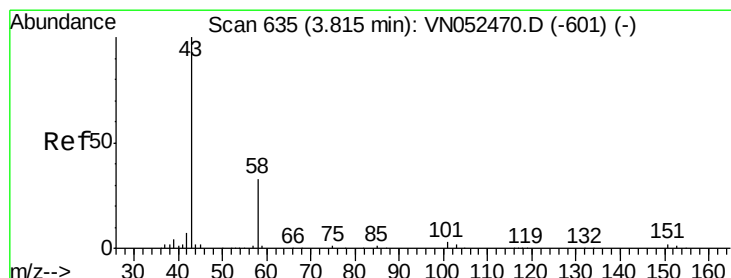
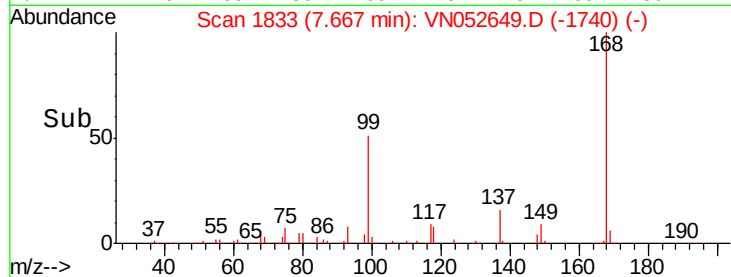
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 1.784 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052649.D

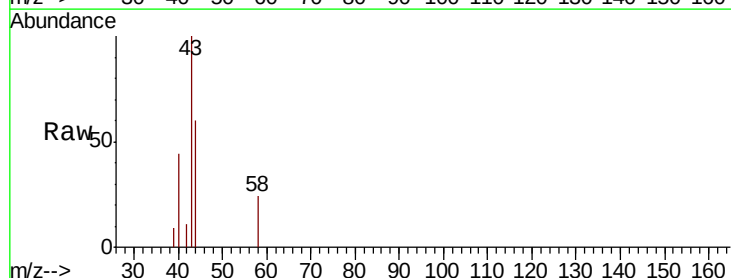
Acq: 4 Dec 2018 12:53

Tgt Ion: 43 Resp: 6082

Ion Ratio Lower Upper

43 100

58 24.0 26.0 39.0#



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-601) (-)

3.82

2500

2000

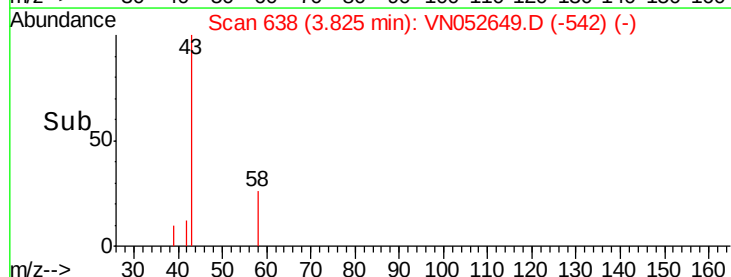
1500

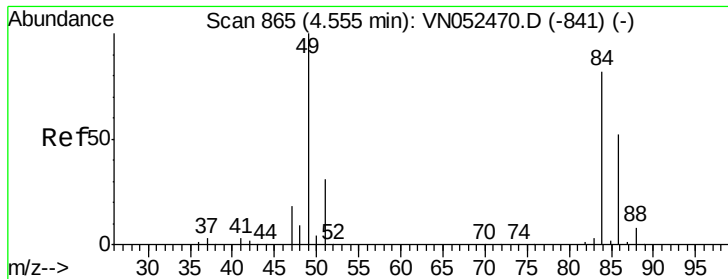
1000

500

0

Time-->

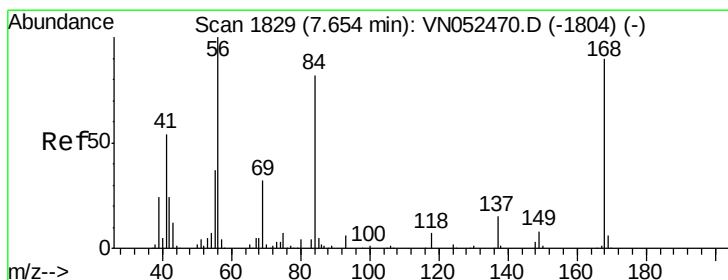
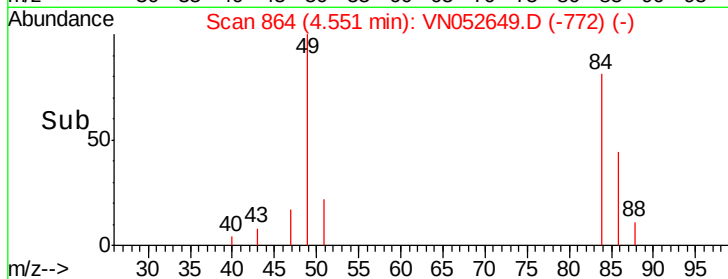
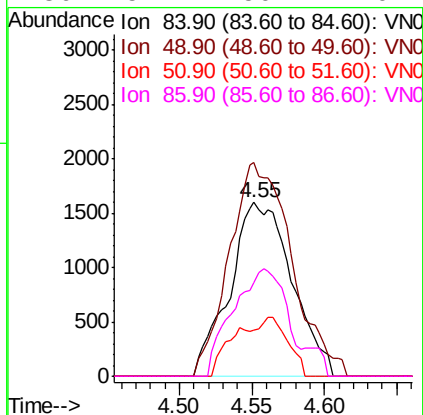
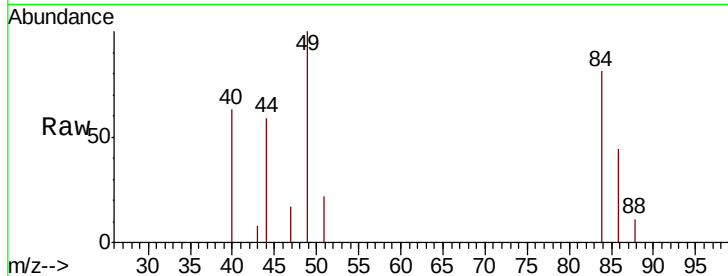




#20
Methylene Chloride
Concen: 0.357 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052649.D
Acq: 4 Dec 2018 12:53

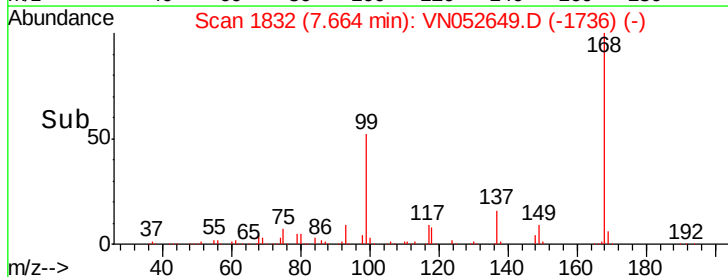
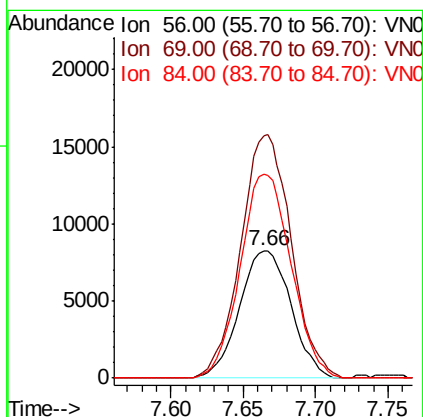
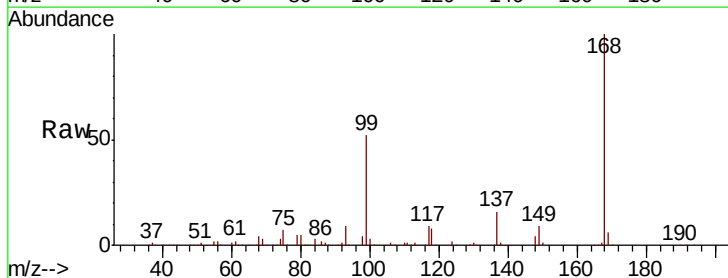
Instrument :
MSVOA_N
ClientSampleId :
12.68

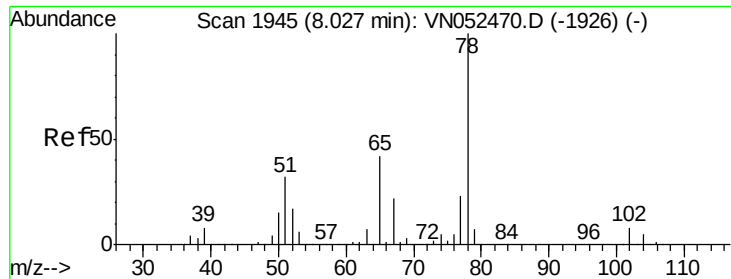
Tot Ion: 84 Resp: 4756
Ion Ratio Lower Upper
84 100
49 123.1 98.0 147.0
51 26.7 30.1 45.1#
86 54.1 50.7 76.1



#31
Cyclohexane
Concen: 0.555 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052649.D
Acq: 4 Dec 2018 12:53

Tgt Ion: 56 Resp: 20376
Ion Ratio Lower Upper
56 100
69 190.1 25.8 38.6#
84 159.8 65.3 97.9#

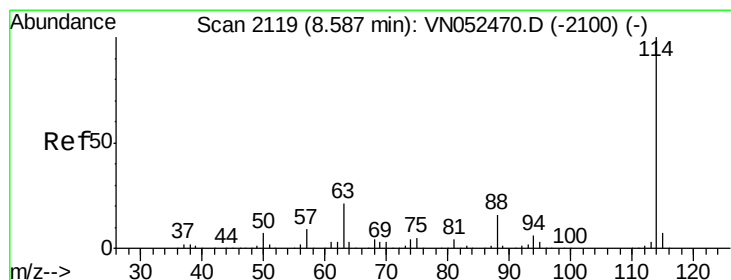
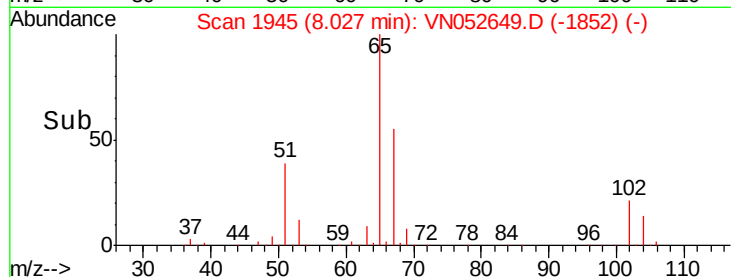
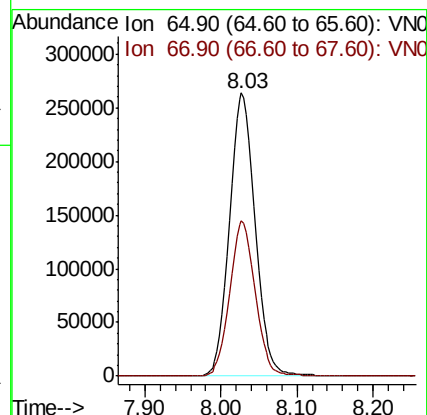
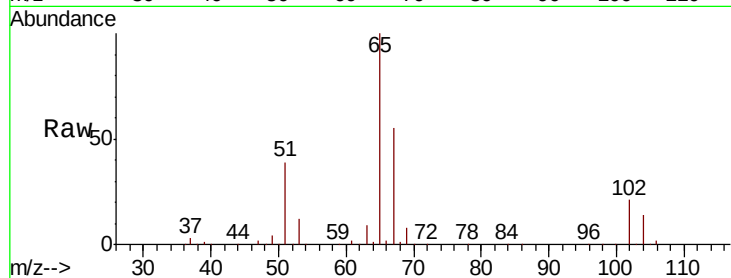




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052649.D
 Acq: 4 Dec 2018 12:53

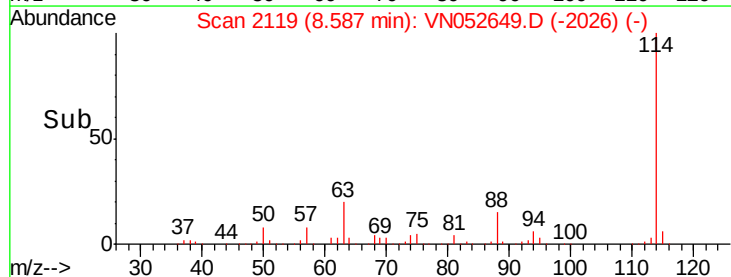
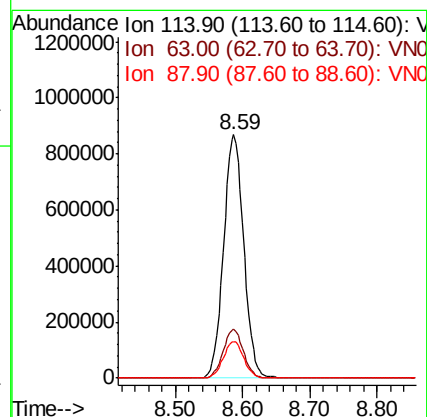
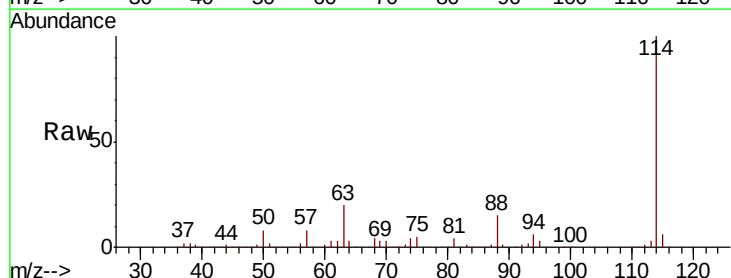
Instrument :
 MSVOA_N
 ClientSampleId :
 12.68

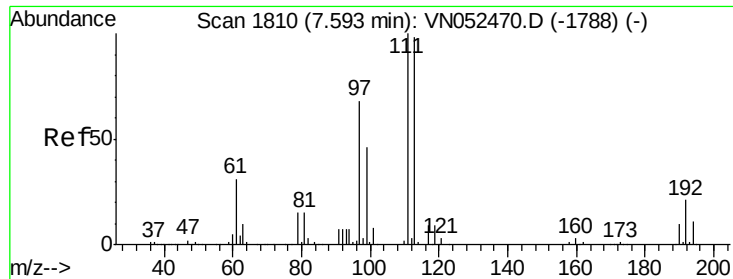
Tot Ion: 65 Resp: 622088
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052649.D
 Acq: 4 Dec 2018 12:53

Tgt Ion: 114 Resp: 1820195
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.8
 88 15.1 0.0 31.6

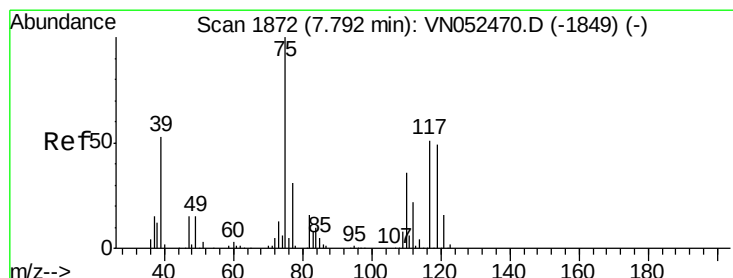
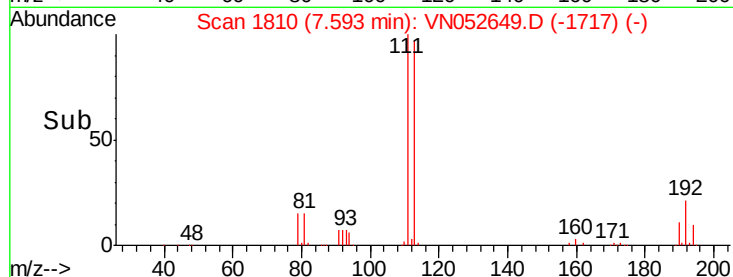
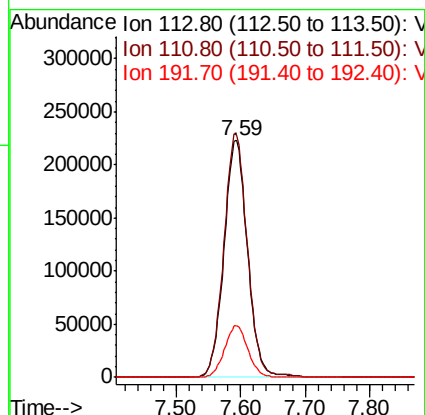
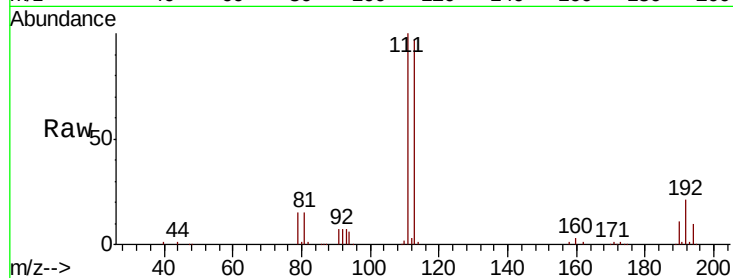




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052649.D
 Acq: 4 Dec 2018 12:53

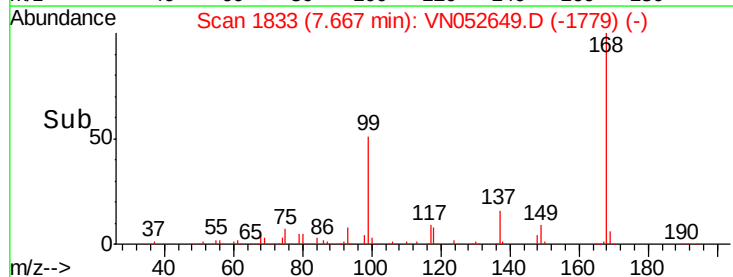
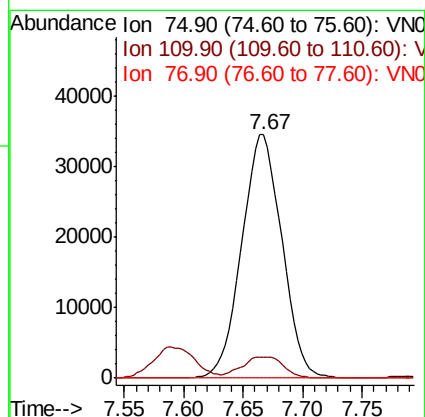
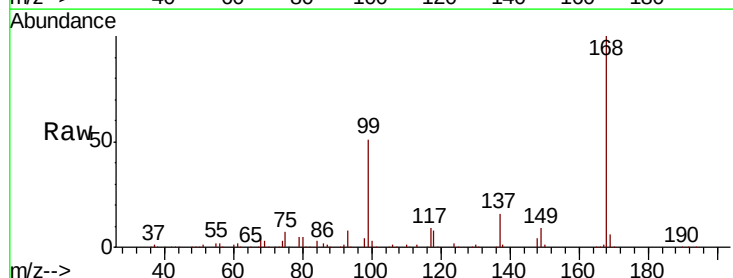
Instrument :
 MSVOA_N
 ClientSampleId :
 12.68

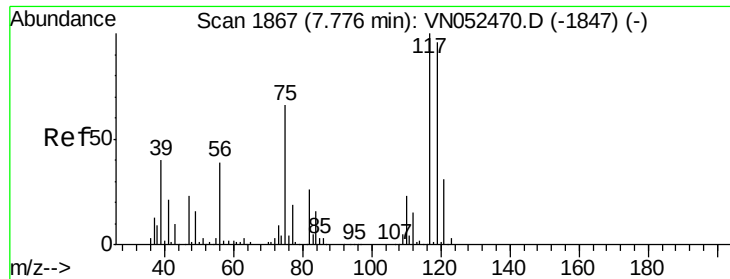
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	21.7	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.714 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052649.D
 Acq: 4 Dec 2018 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.5	52.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.840 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052649.D

Acq: 4 Dec 2018 12:53

Instrument :

MSVOA_N

ClientSampled :

12.68

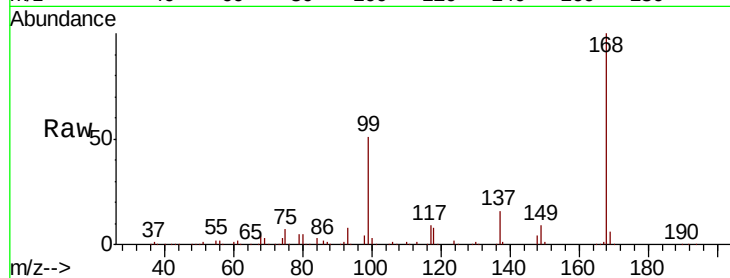
Tot Ion:117 Resp: 106437

Ion Ratio Lower Upper

117 100

119 4.7 76.8 115.2#

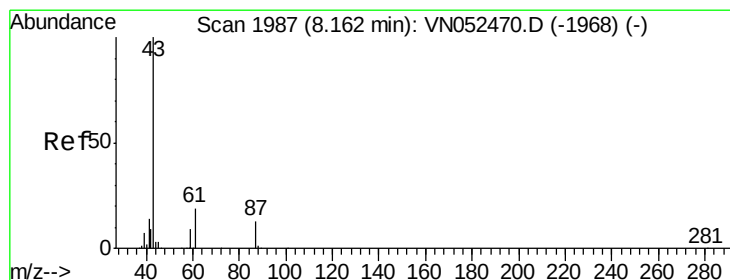
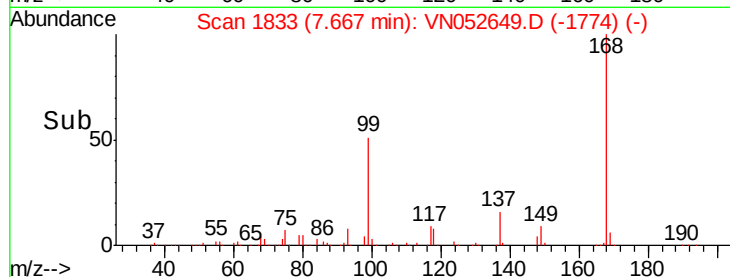
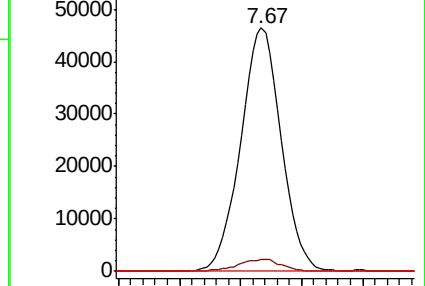
121 0.0 24.9 37.3#



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: 2.736 ug/l

RT: 8.28 min Scan# 2023

Delta R.T. 0.12 min

Lab File: VN052649.D

Acq: 4 Dec 2018 12:53

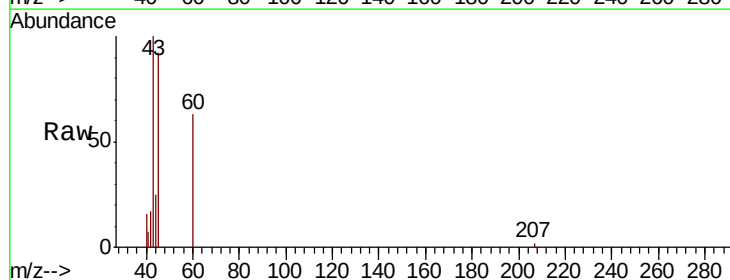
Tgt Ion: 43 Resp: 48573

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

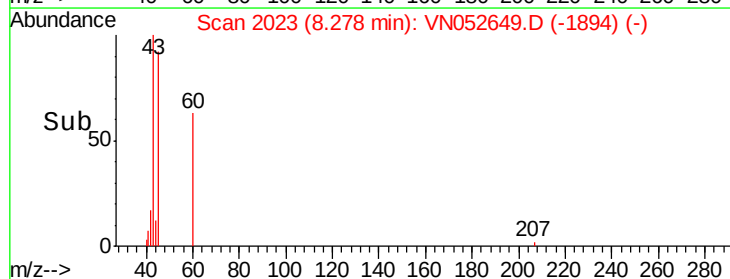
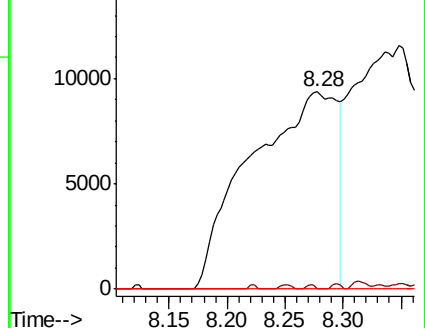
87 0.0 10.6 15.8#

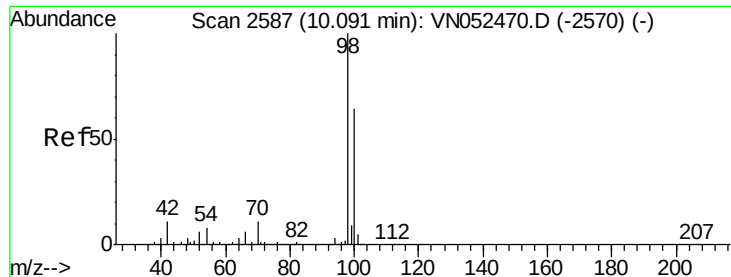


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052649.D

Acq: 4 Dec 2018 12:53

Instrument :

MSVOA_N

ClientSampled :

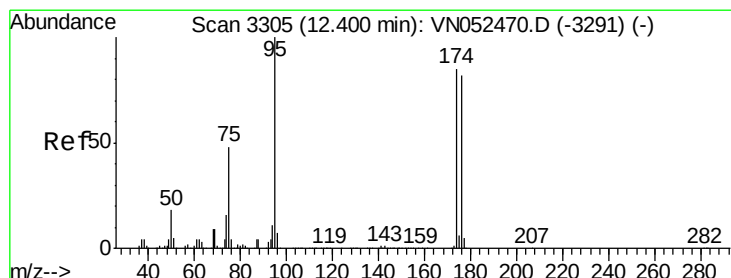
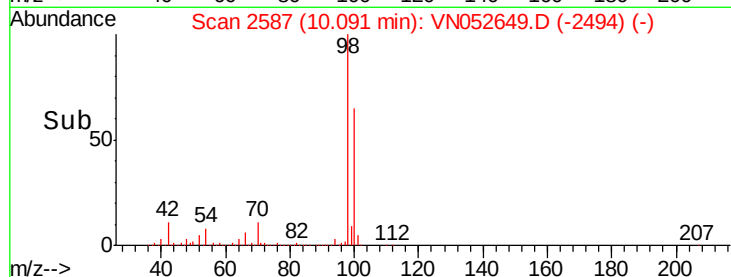
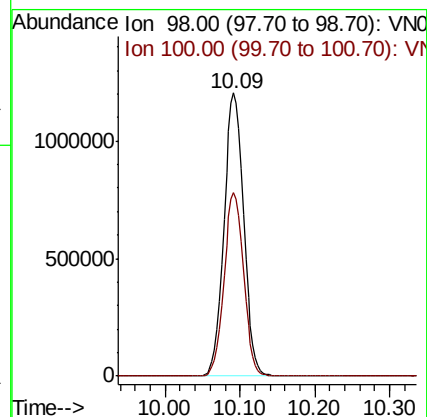
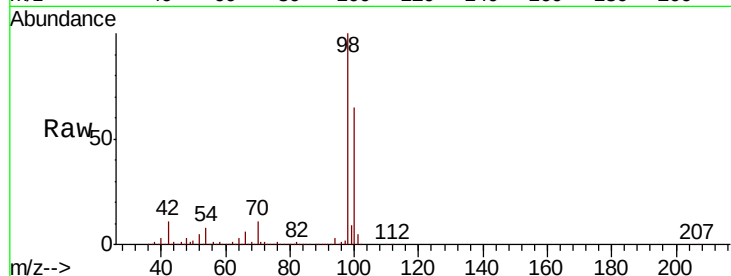
12.68

Tot Ion: 98 Resp: 2191581

Ion Ratio Lower Upper

98 100

100 64.3 51.3 76.9



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052649.D

Acq: 4 Dec 2018 12:53

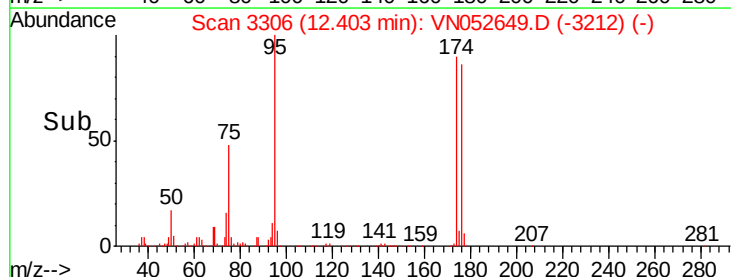
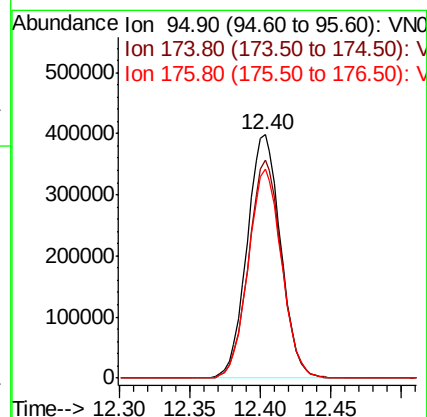
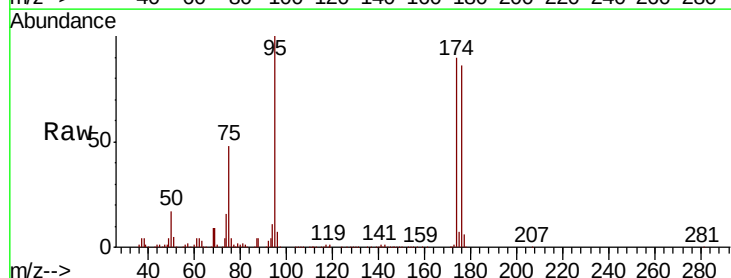
Tgt Ion: 95 Resp: 664656

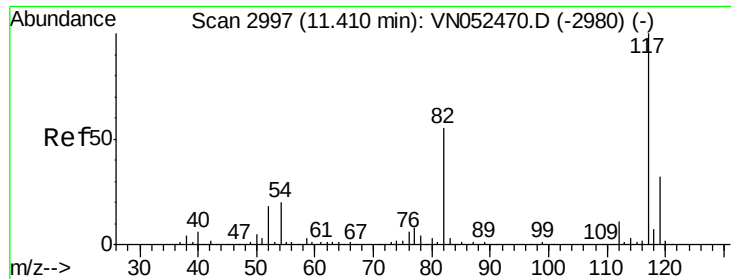
Ion Ratio Lower Upper

95 100

174 88.2 0.0 173.0

176 85.3 0.0 166.2

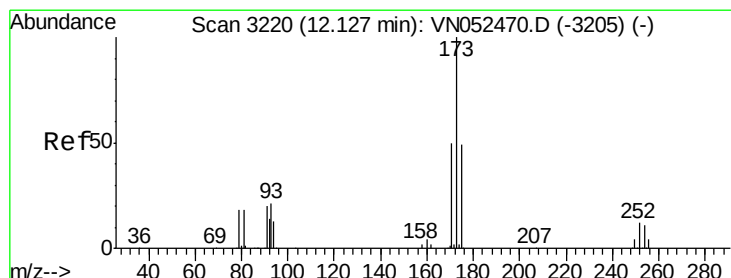
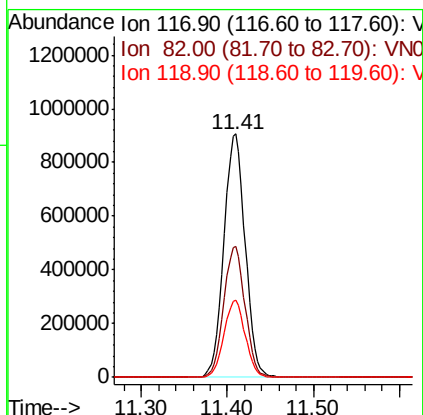
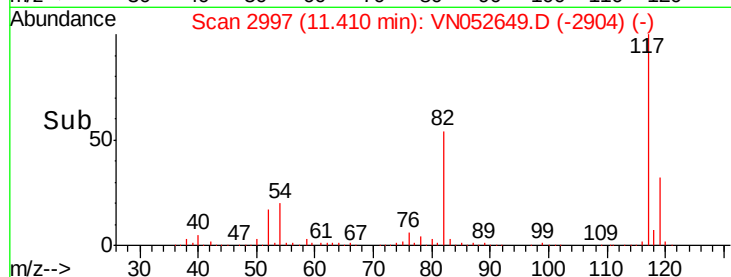
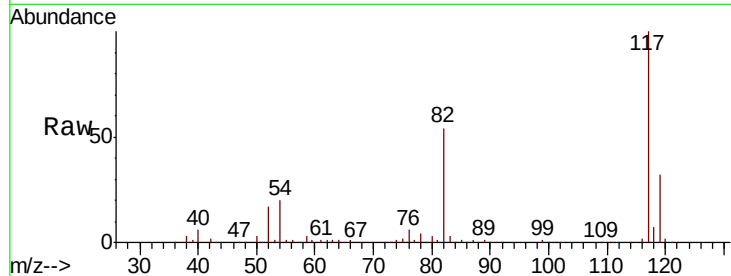




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052649.D
Acq: 4 Dec 2018 12:53

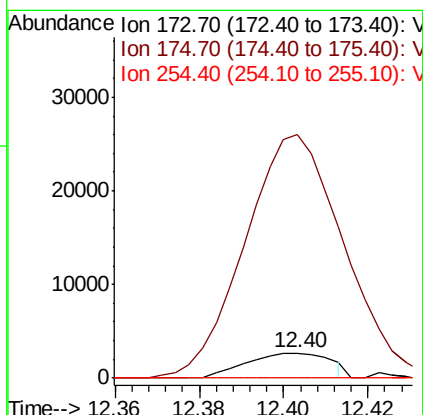
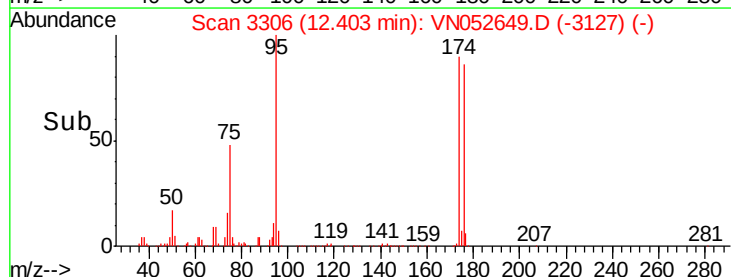
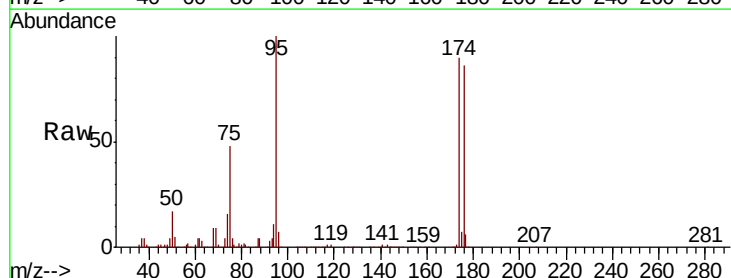
Instrument :
MSVOA_N
ClientSampled :
12.68

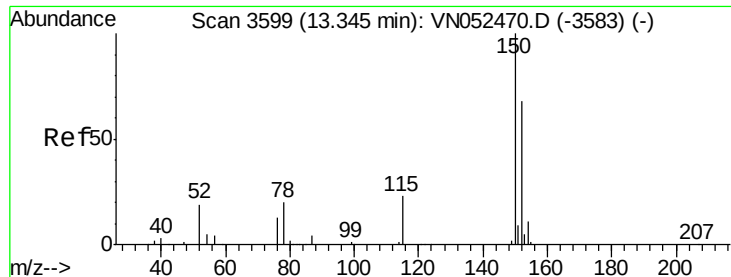
Tot Ion:117 Resp: 1560494
Ion Ratio Lower Upper
117 100
82 53.7 43.6 65.4
119 31.8 25.4 38.2



#71
Bromoform
Concen: 0.502 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052649.D
Acq: 4 Dec 2018 12:53

Tgt Ion:173 Resp: 3718
Ion Ratio Lower Upper
173 100
175 976.4 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052649.D

Acq: 4 Dec 2018 12:53

Instrument :

MSVOA_N

ClientSampleId :

12.68

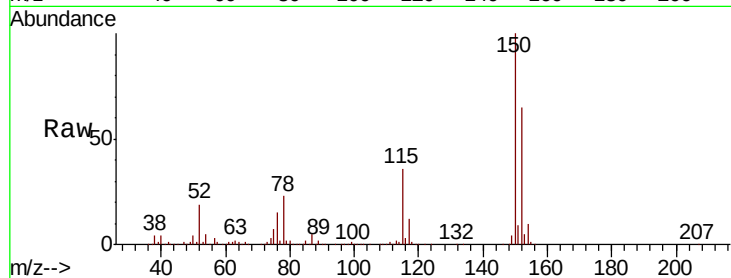
Tot Ion:152 Resp: 561103

Ion Ratio Lower Upper

152 100

115 56.3 28.4 85.2

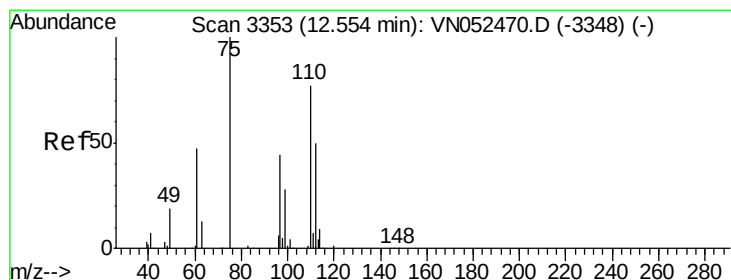
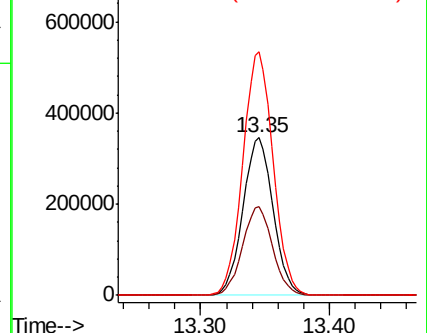
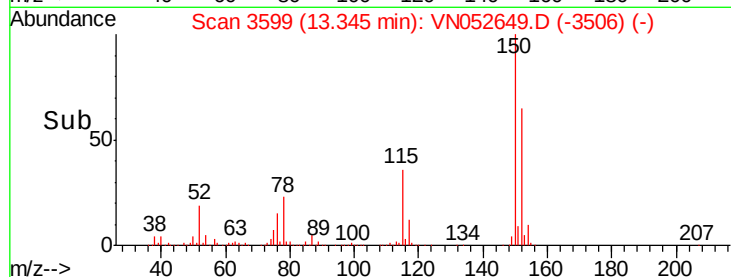
150 155.2 0.0 346.0



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: 36.575 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052649.D

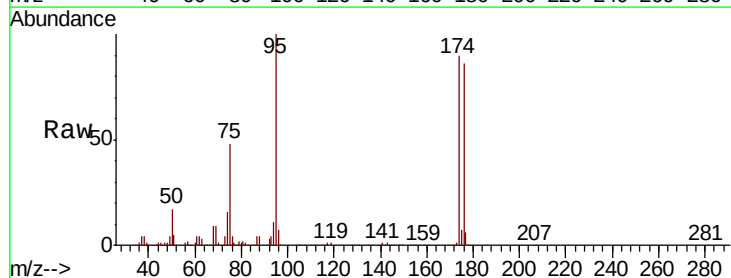
Acq: 4 Dec 2018 12:53

Tgt Ion: 75 Resp: 316467

Ion Ratio Lower Upper

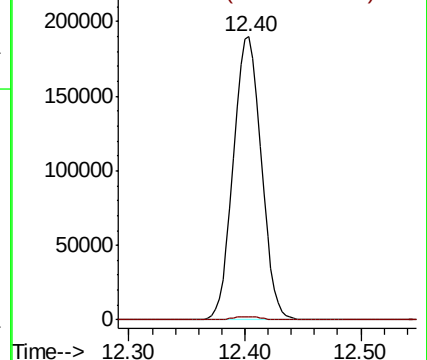
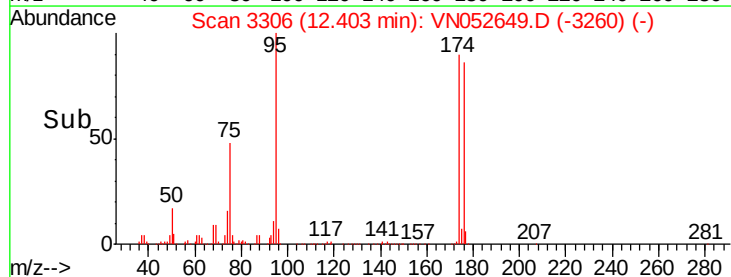
75 100

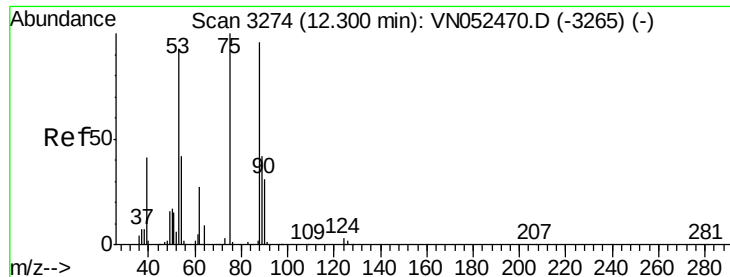
77 1.2 0.0 0.0#



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: 122.144 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052649.D

Acq: 4 Dec 2018 12:53

Instrument :

MSVOA_N

ClientSampleId :

12.68

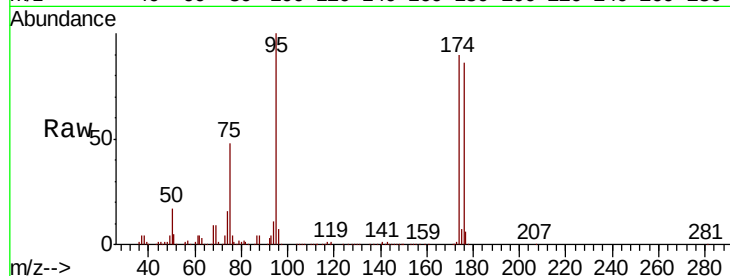
Tot Ion: 75 Resp: 316467

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.0 35.4 53.2#

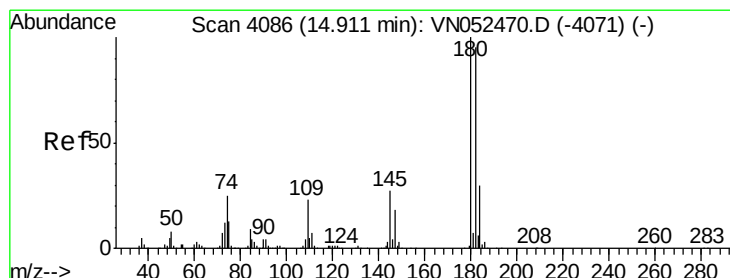
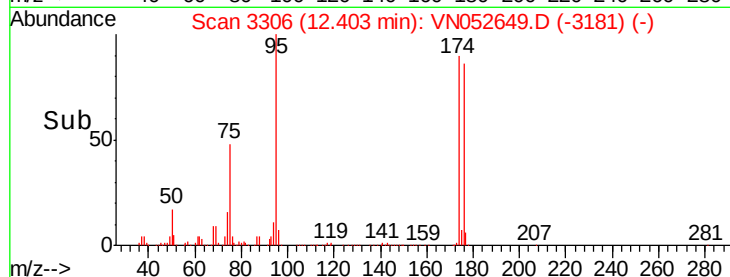
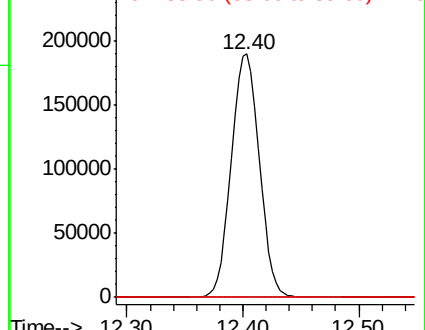


Abundance

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



#93

1,2,4-Trichlorobenzene

Concen: 2.942 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN052649.D

Acq: 4 Dec 2018 12:53

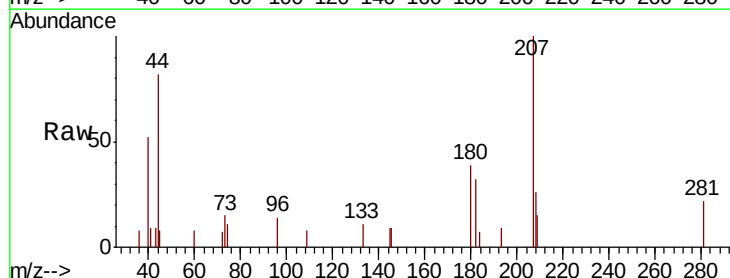
Tgt Ion: 180 Resp: 1186

Ion Ratio Lower Upper

180 100

182 87.3 47.8 143.4

145 30.2 14.1 42.3

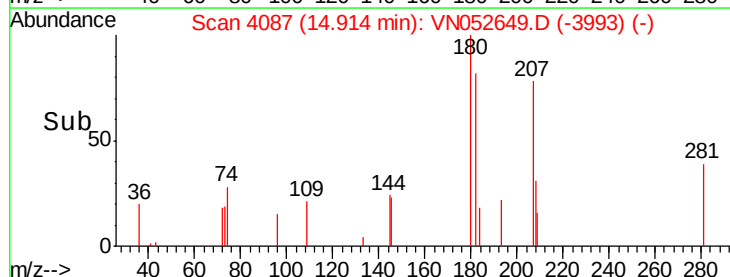
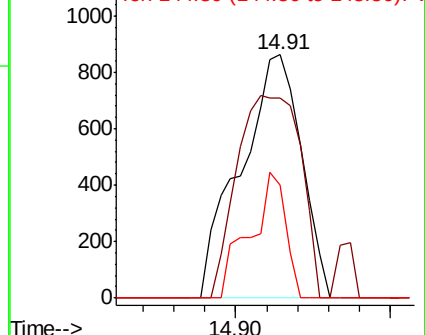


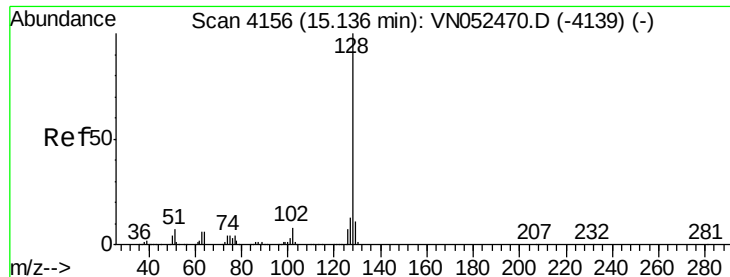
Abundance

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





#95

Naphthalene

Concen: 3.576 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN052649.D

Acq: 4 Dec 2018 12:53

Instrument :

MSVOA_N

ClientSampled :

12.68

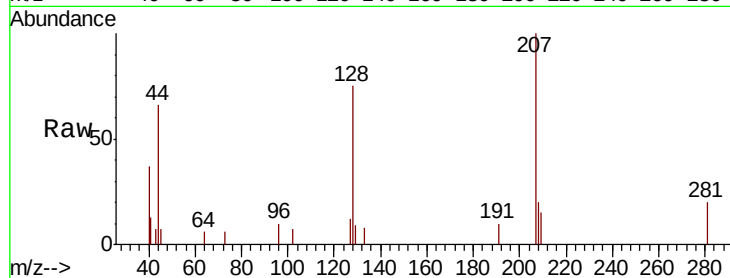
Tot Ion:128 Resp: 3351

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.2

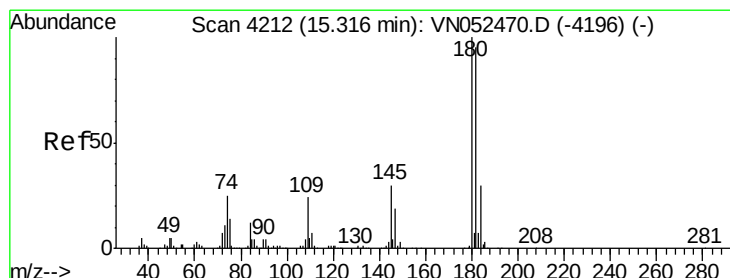
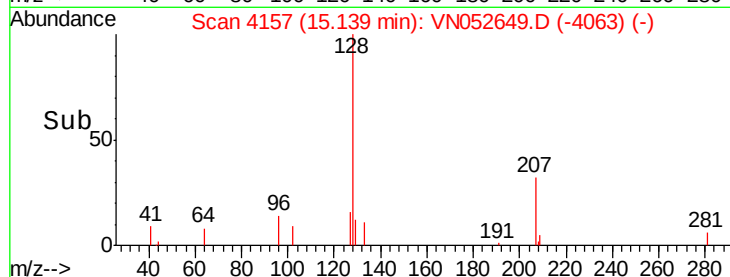
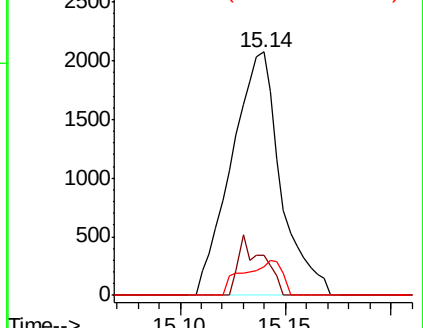
129 11.3 8.7 13.1



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: 2.852 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052649.D

Acq: 4 Dec 2018 12:53

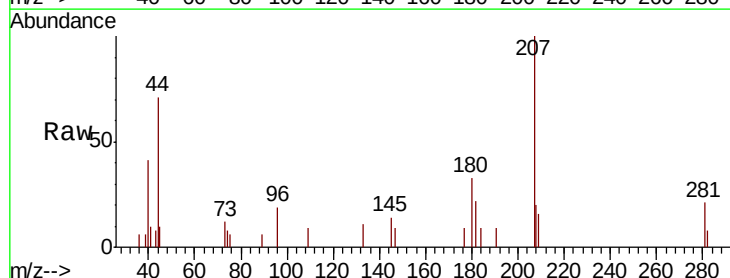
Tgt Ion:180 Resp: 1211

Ion Ratio Lower Upper

180 100

182 98.9 47.8 143.3

145 27.0 15.2 45.5



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

