

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN020320\
 Data File : VN059965.D
 Acq On : 3 Feb 2020 11:03
 Operator : JC/MD
 Sample : VN0203WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBL01

Quant Time: Feb 03 11:35:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	202977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	310799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123447	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	114163	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
35) Dibromofluoromethane	7.57	113	94621	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
50) Toluene-d8	10.08	98	371795	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.40	95	129109	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	

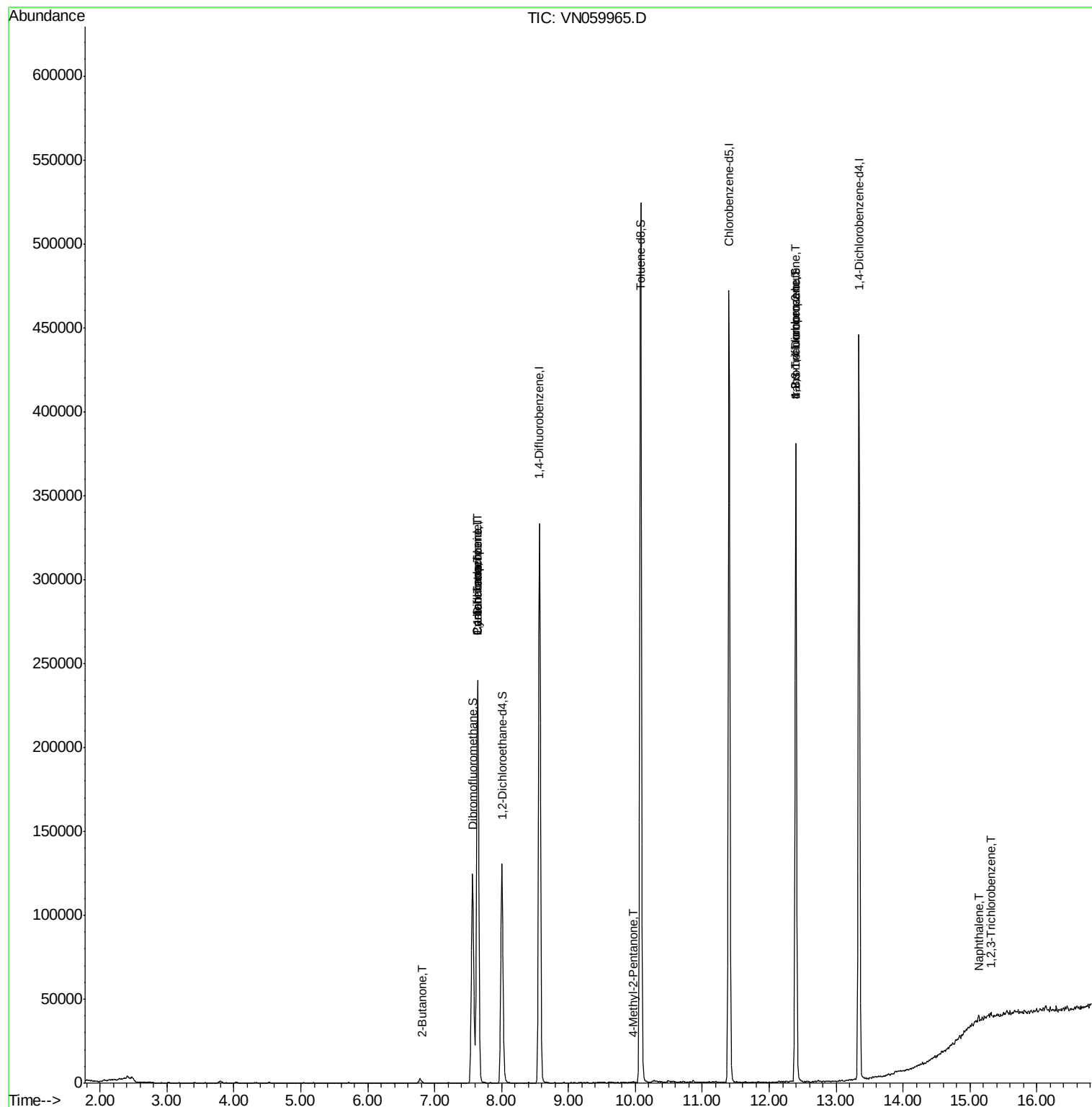
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	2268	Below Cal		96
20) Methylene Chloride	4.53	84	63	Below Cal	#	5
25) 2-Butanone	6.82	43	262	0.21	ug/l #	50
31) Cyclohexane	7.64	56	4003	1.20	ug/l #	3
36) 1,1-Dichloropropene	7.64	75	14103	5.21	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18794	6.38	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	507	0.20	ug/l #	38
76) 1,2,3-Trichloropropane	12.40	75	65376	31.47	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	65376	67.58	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.24	75	62	Below Cal	#	6
95) Naphthalene	15.14	128	2173	0.32	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.31	180	701	0.30	ug/l	96

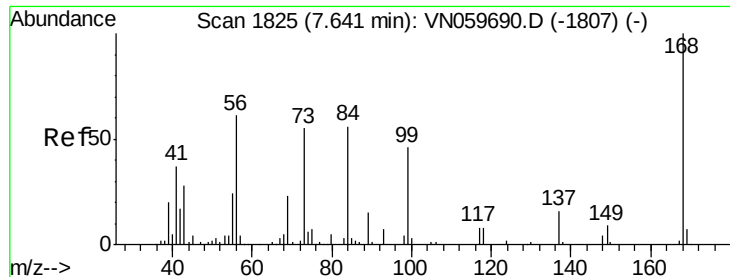
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059965.D

Acq: 3 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

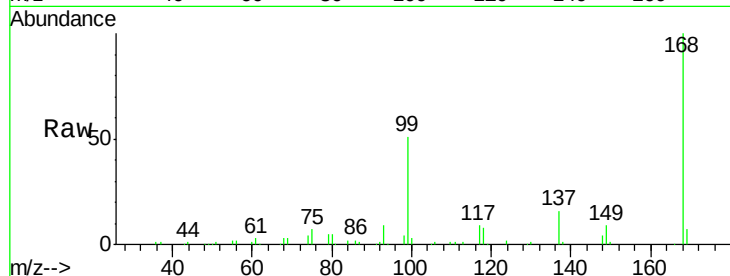
VN0203WBL01

Tgt Ion:168 Resp: 202977

Ion Ratio Lower Upper

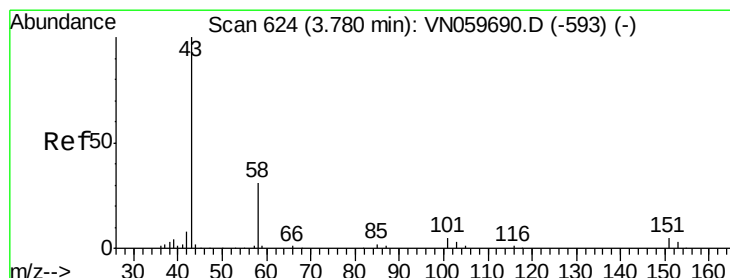
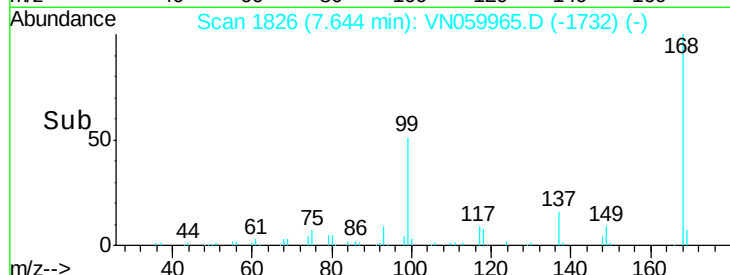
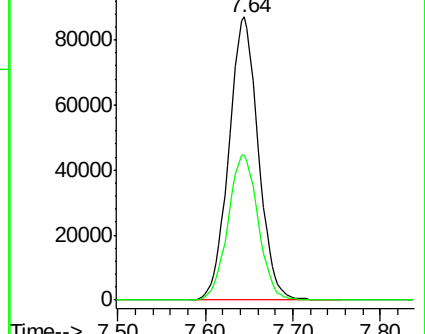
168 100

99 51.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059965.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059965.D (-1732) (-)



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 630

Delta R.T. 0.02 min

Lab File: VN059965.D

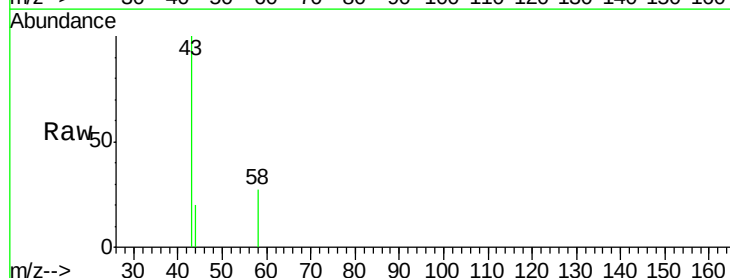
Acq: 3 Feb 2020 11:03

Tgt Ion: 43 Resp: 2268

Ion Ratio Lower Upper

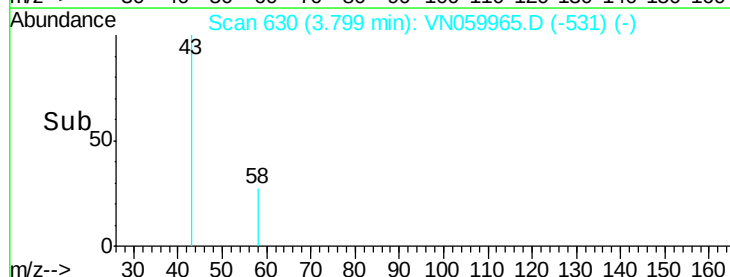
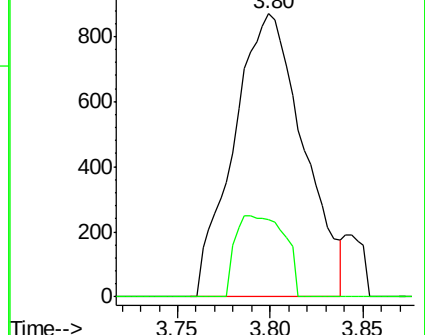
43 100

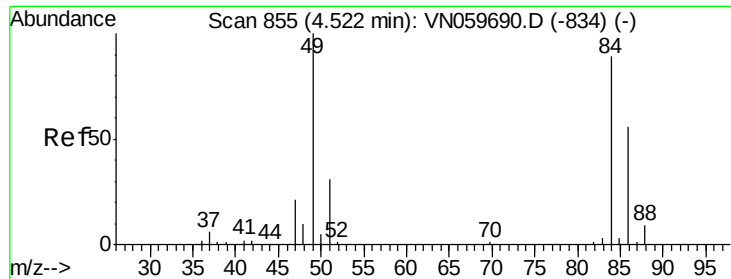
58 27.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059965.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN059965.D (-531) (-)

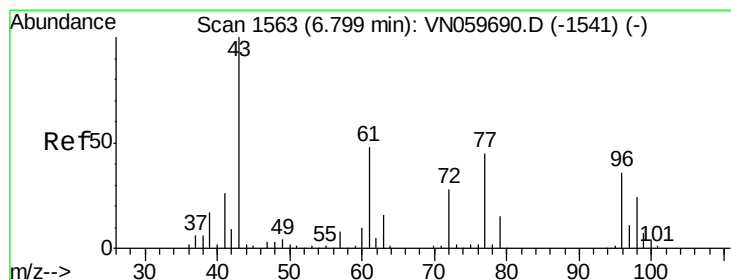
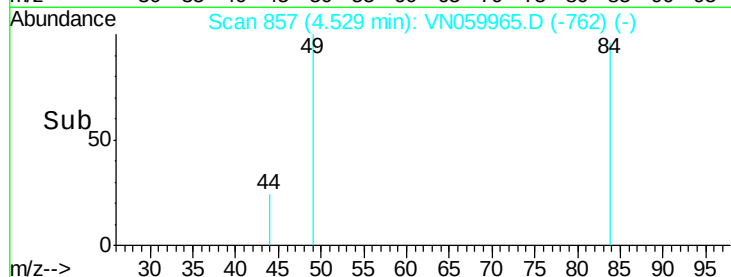
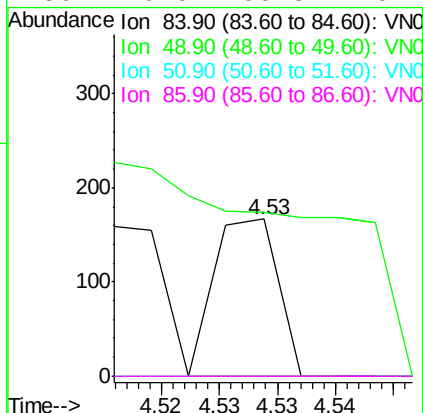
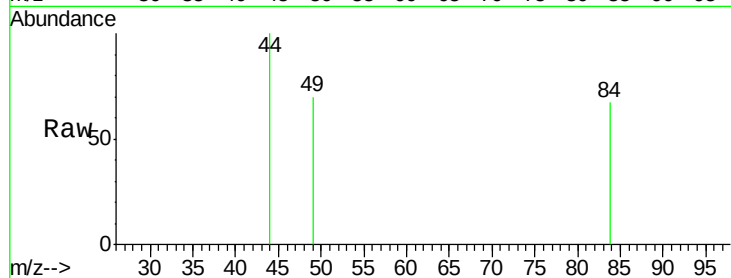




#20
Methylene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059965.D
Acq: 3 Feb 2020 11:03

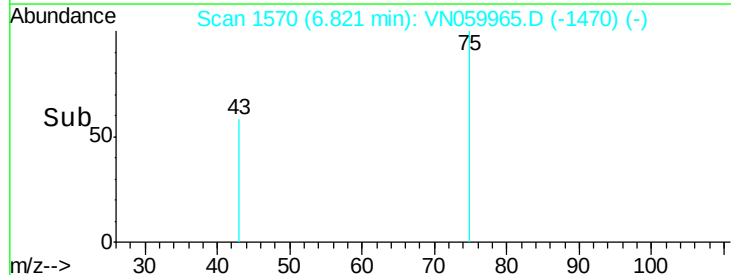
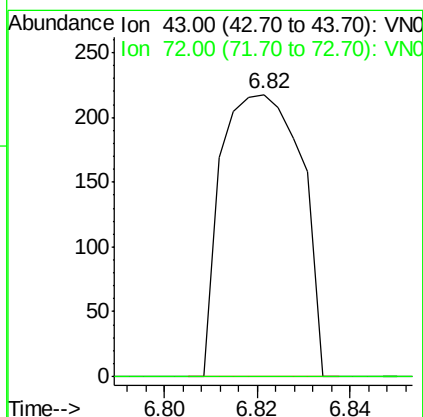
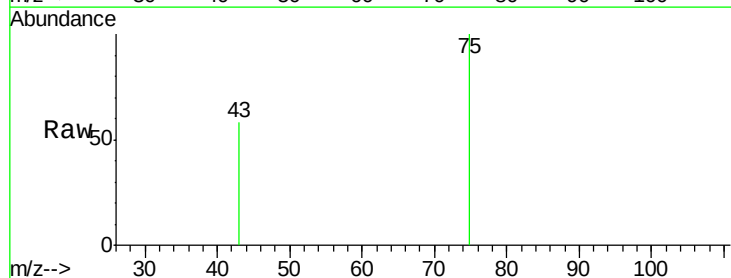
Instrument :
MSVOA_N
ClientSampleId :
VN0203WBL01

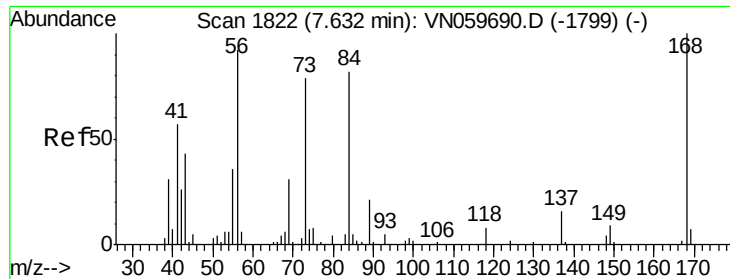
Tgt Ion: 84 Resp: 63
Ion Ratio Lower Upper
84 100
49 3.6 106.6 160.0#
51 0.0 31.9 47.9#
86 0.0 50.8 76.2#



#25
2-Butanone
Concen: 0.21 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VN059965.D
Acq: 3 Feb 2020 11:03

Tgt Ion: 43 Resp: 262
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

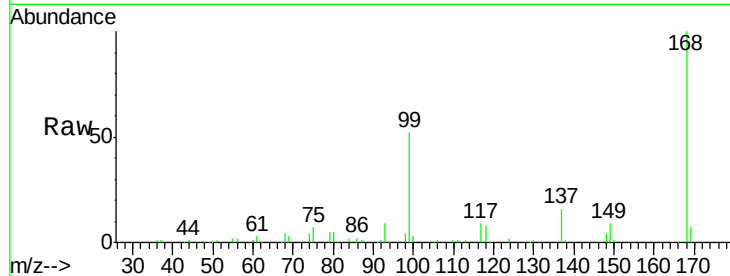




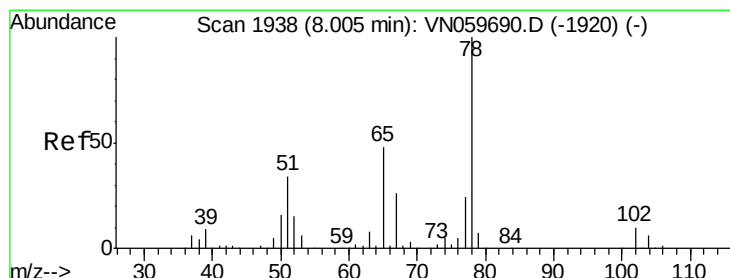
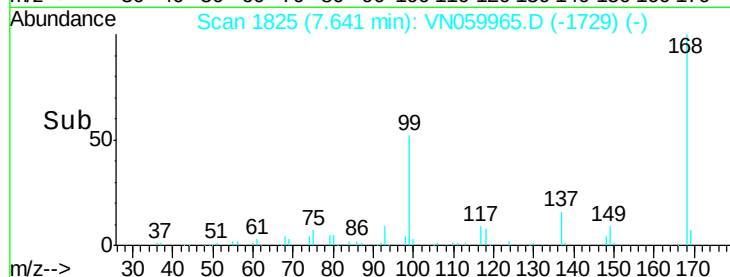
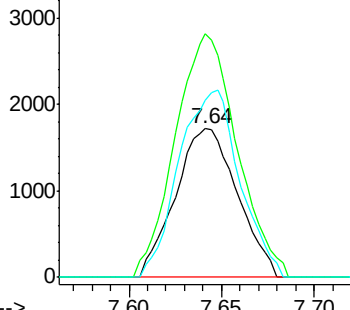
#31
Cyclohexane
Concen: 1.20 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059965.D
Acq: 3 Feb 2020 11:03

Instrument :
MSVOA_N
ClientSampled :
VN0203WBL01

Tgt Ion: 56 Resp: 4003
Ion Ratio Lower Upper
56 100
69 164.1 26.5 39.7#
84 119.0 65.3 97.9#

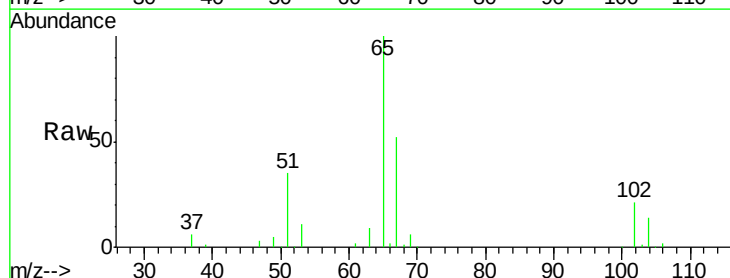


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

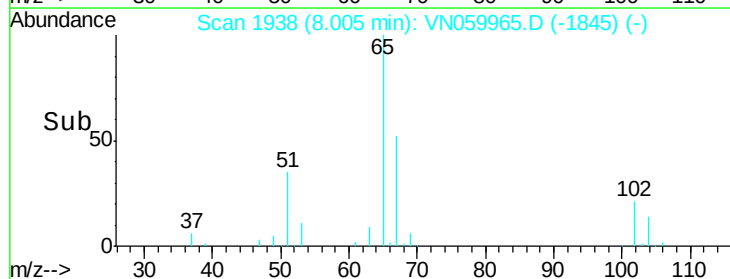
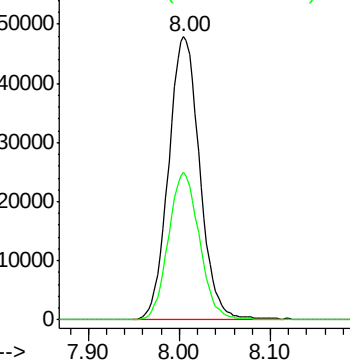


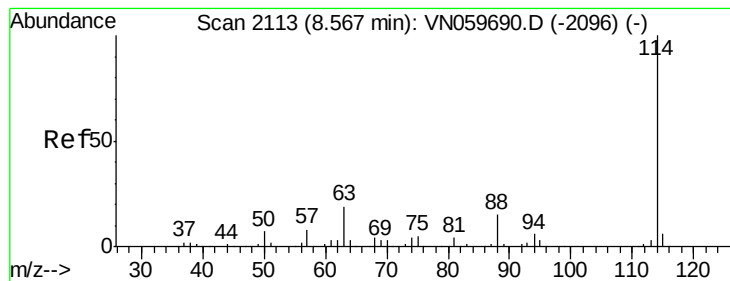
#33
1,2-Dichloroethane-d4
Concen: 50.65 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059965.D
Acq: 3 Feb 2020 11:03

Tgt Ion: 65 Resp: 114163
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.0



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: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059965.D

Acq: 3 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBL01

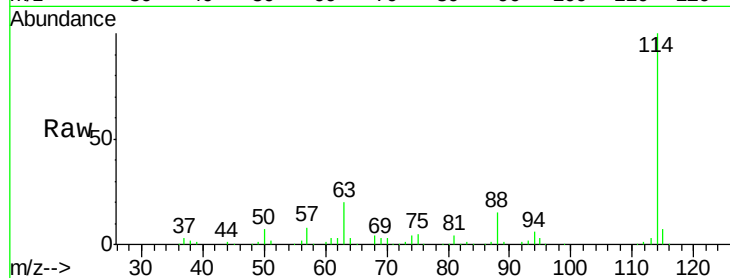
Tgt Ion:114 Resp: 310799

Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.6

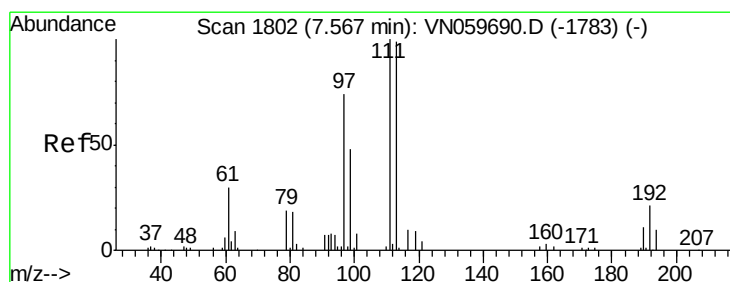
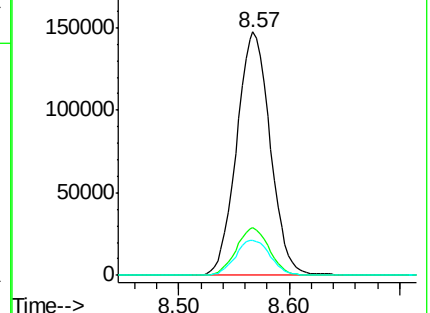
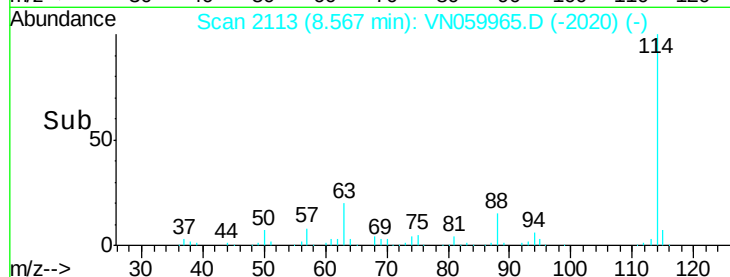
88 14.5 0.0 31.4



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: 51.05 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059965.D

Acq: 3 Feb 2020 11:03

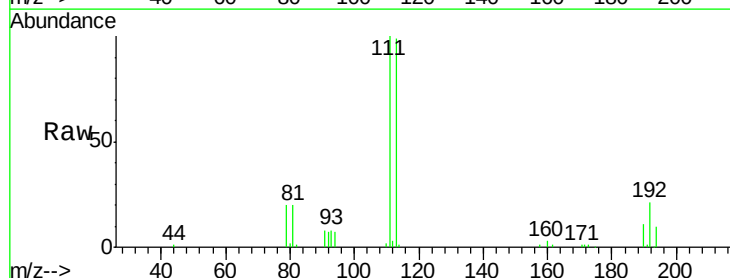
Tgt Ion:113 Resp: 94621

Ion Ratio Lower Upper

113 100

111 103.5 83.5 125.3

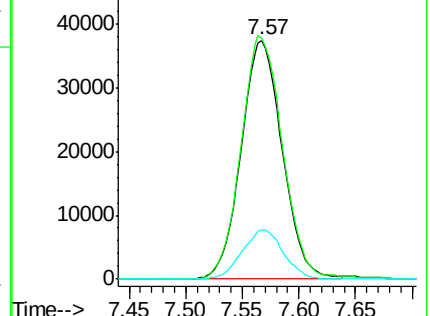
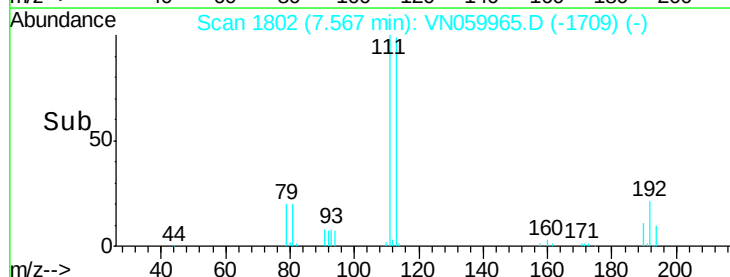
192 20.7 15.4 23.2

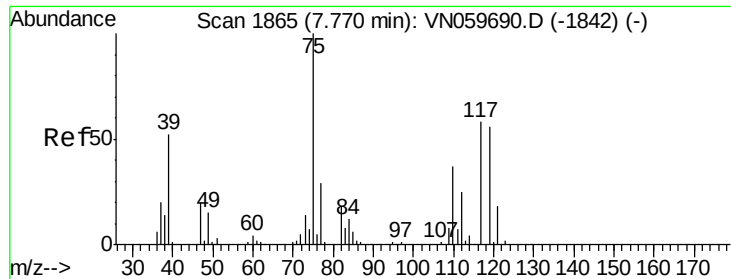


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

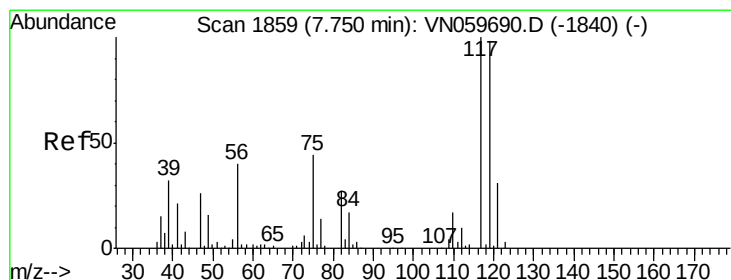
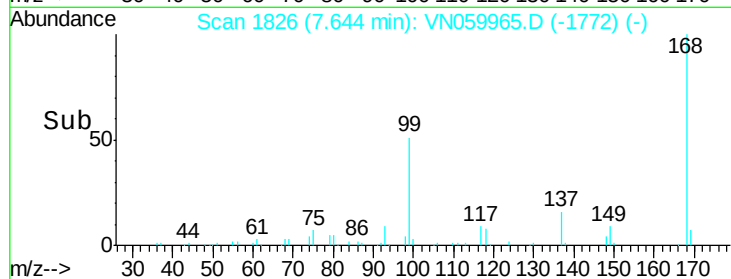
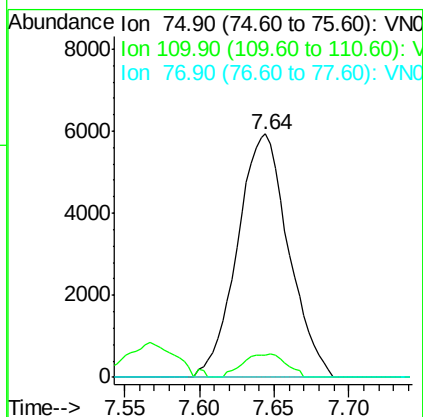
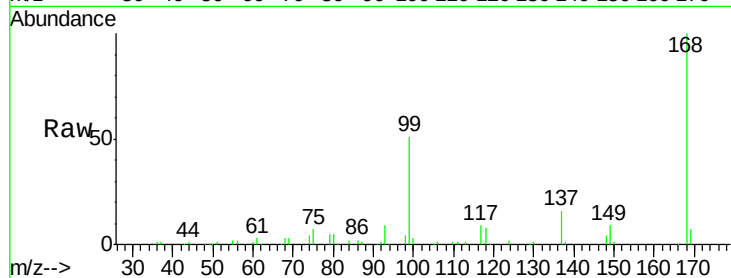




#36
 1,1-Dichloropropene
 Concen: 5.21 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059965.D
 Acq: 3 Feb 2020 11:03

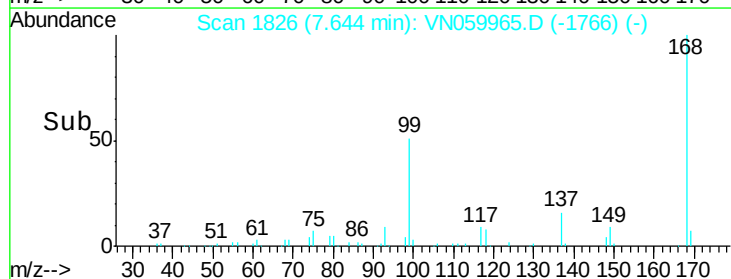
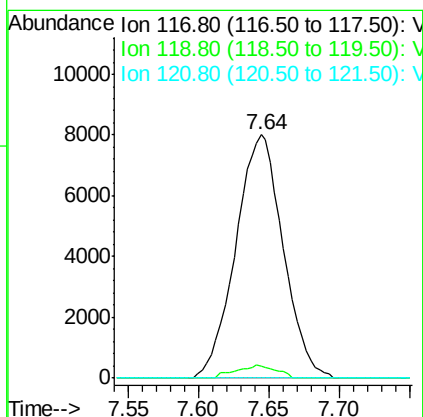
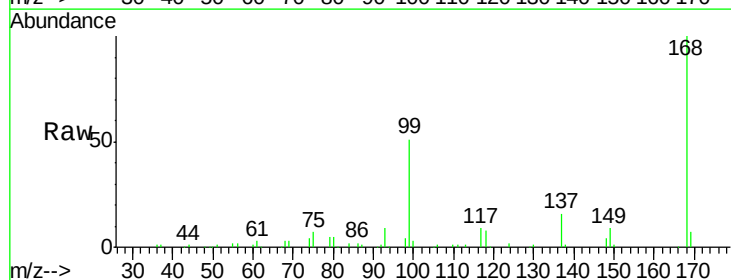
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBL01

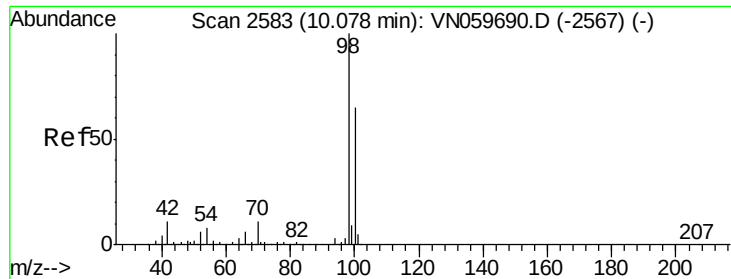
Tgt Ion: 75 Resp: 14103
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.6 49.7#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.38 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059965.D
 Acq: 3 Feb 2020 11:03

Tgt Ion: 117 Resp: 18794
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.5 114.7#
 121 0.0 25.1 37.7#





#50

Toluene-d8

Concen: 51.77 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059965.D

Acq: 3 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampled :

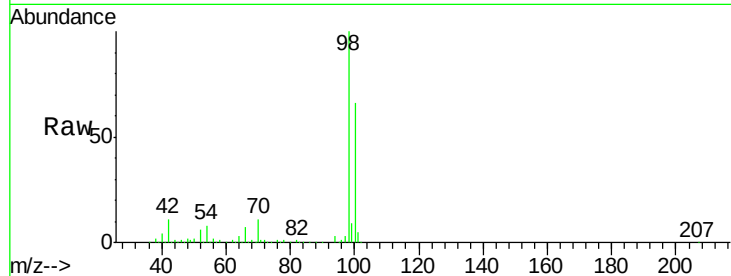
VN0203WBL01

Tgt Ion: 98 Resp: 371795

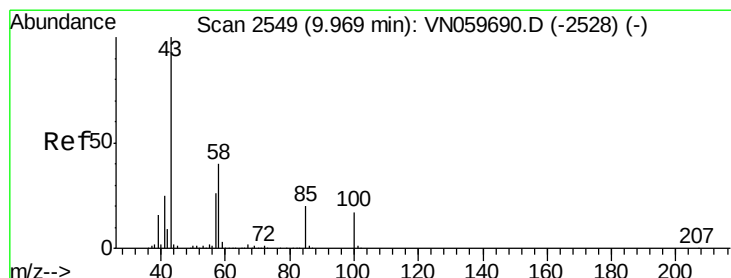
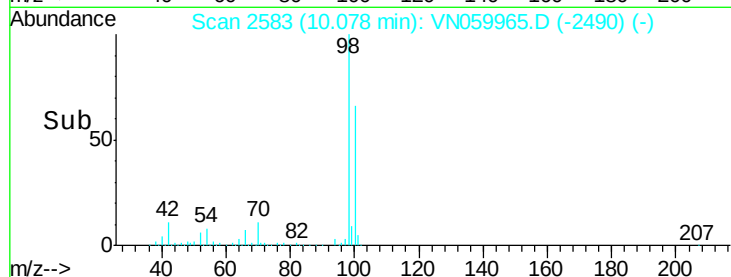
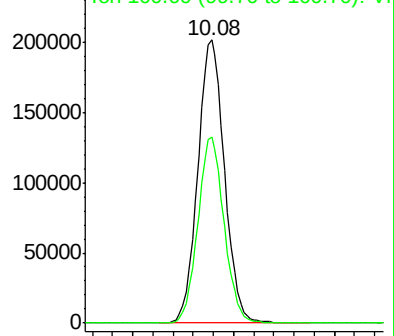
Ion Ratio Lower Upper

98 100

100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059965.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.20 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.01 min

Lab File: VN059965.D

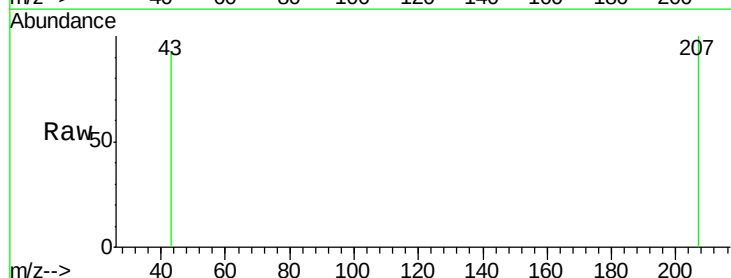
Acq: 3 Feb 2020 11:03

Tgt Ion: 43 Resp: 507

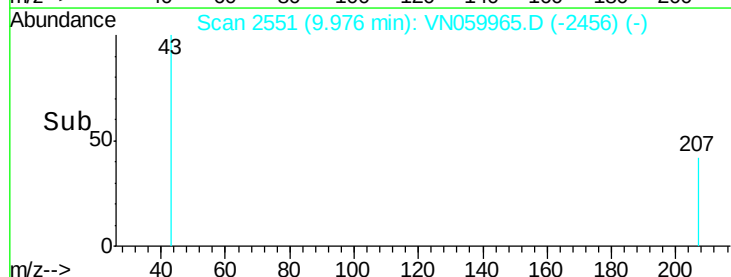
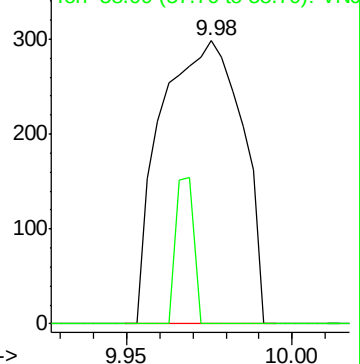
Ion Ratio Lower Upper

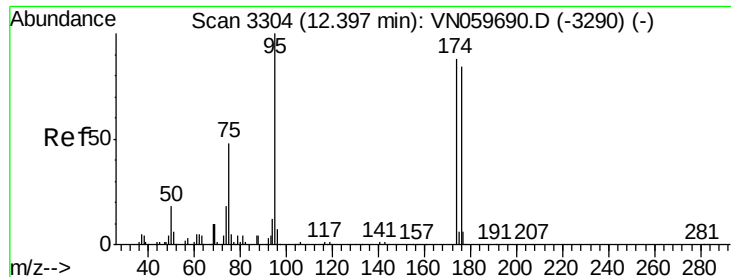
43 100

58 0.0 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VN059965.D (-2456) (-)





#62

4-Bromofluorobenzene

Concen: 49.87 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059965.D

Acq: 3 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampled :

VN0203WBL01

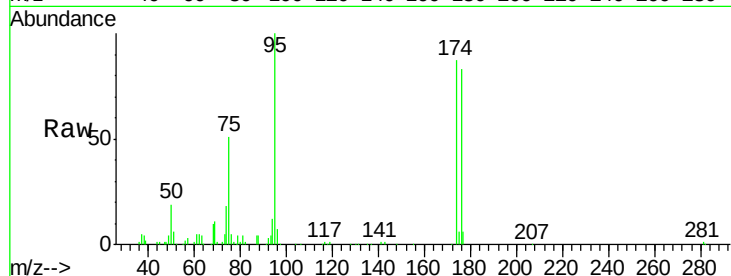
Tgt Ion: 95 Resp: 129109

Ion Ratio Lower Upper

95 100

174 86.3 0.0 151.4

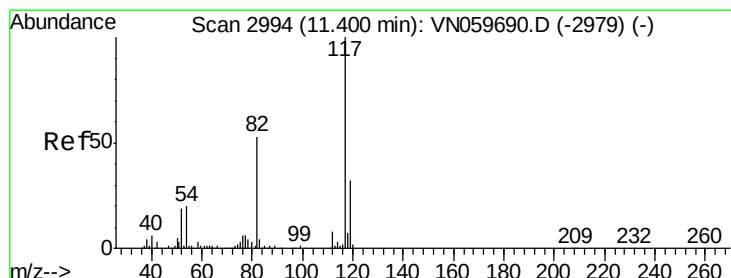
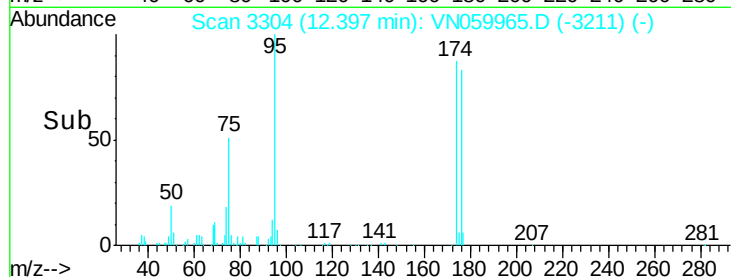
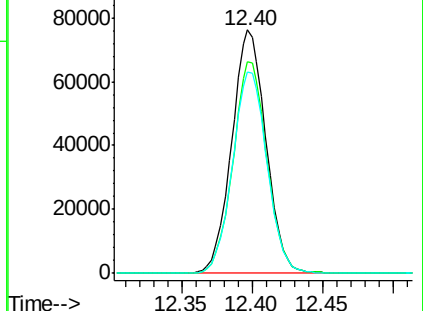
176 84.1 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059965.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN059965.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN059965.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059965.D

Acq: 3 Feb 2020 11:03

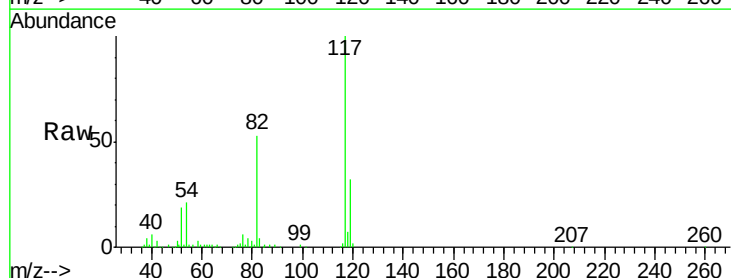
Tgt Ion: 117 Resp: 282581

Ion Ratio Lower Upper

117 100

82 53.1 45.9 68.9

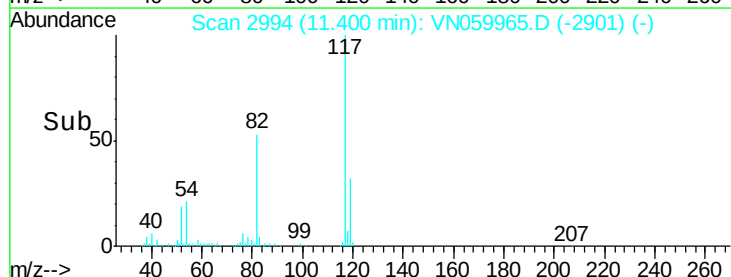
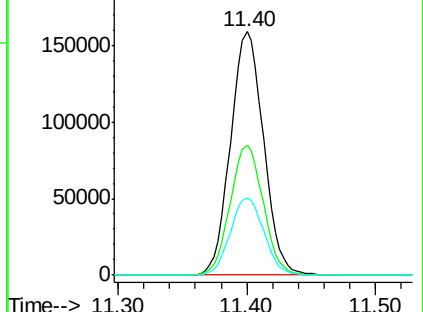
119 31.7 25.5 38.3

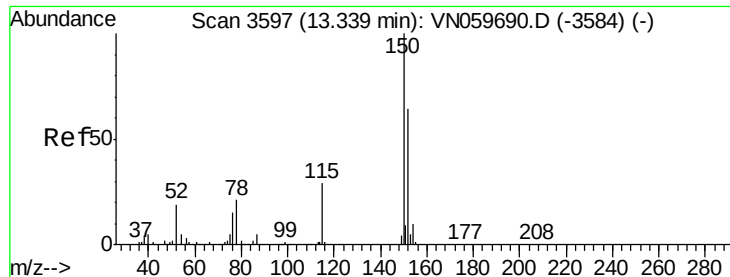


Abundance Ion 116.90 (116.60 to 117.60): VN059965.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN059965.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN059965.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059965.D

Acq: 3 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBL01

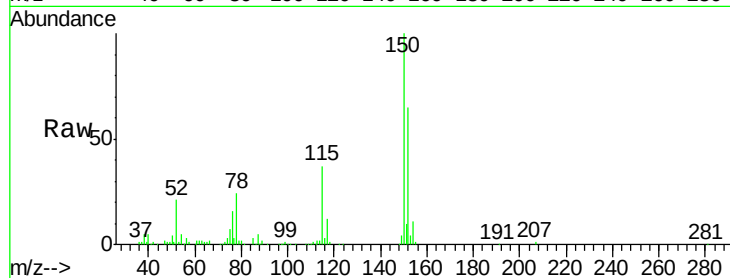
Tgt Ion:152 Resp: 123447

Ion Ratio Lower Upper

152 100

115 57.8 30.3 90.9

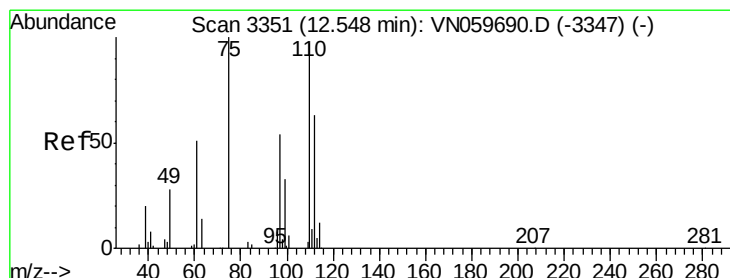
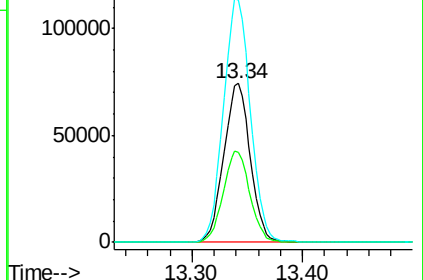
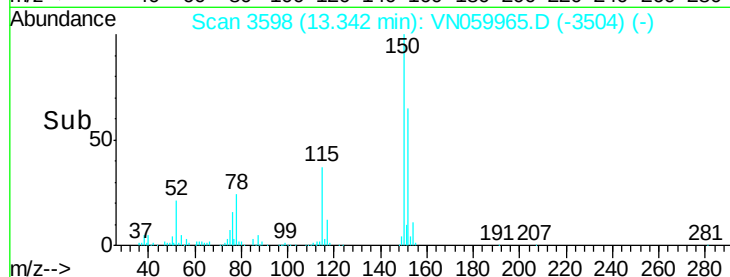
150 156.5 0.0 345.2



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: 31.47 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059965.D

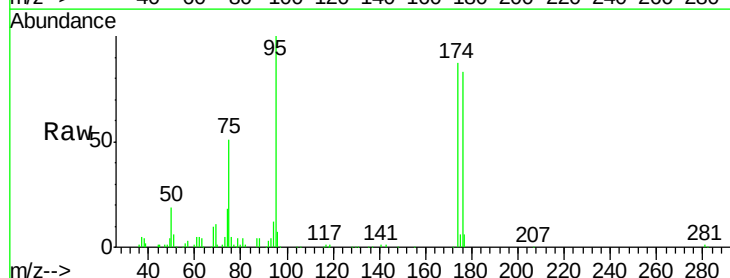
Acq: 3 Feb 2020 11:03

Tgt Ion: 75 Resp: 65376

Ion Ratio Lower Upper

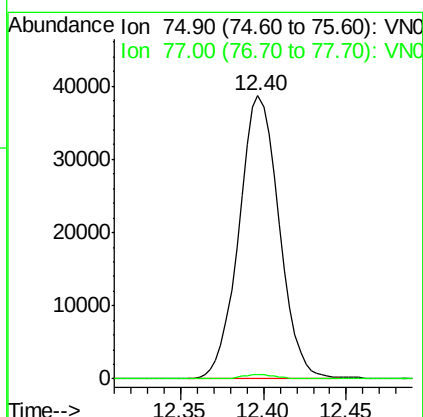
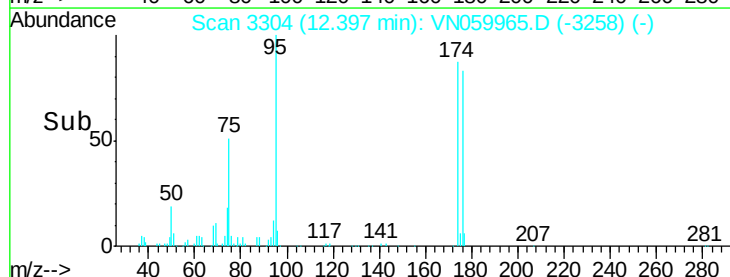
75 100

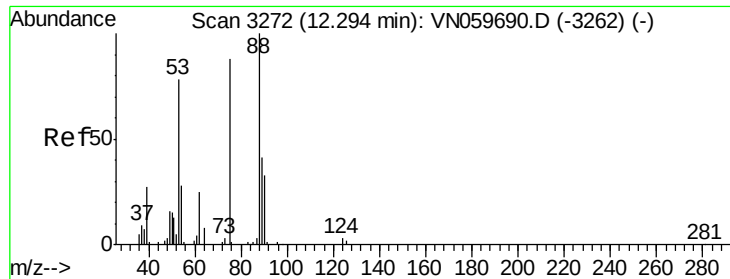
77 1.3 0.0 0.0#



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: 67.58 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059965.D

Acq: 3 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampled :

VN0203WBL01

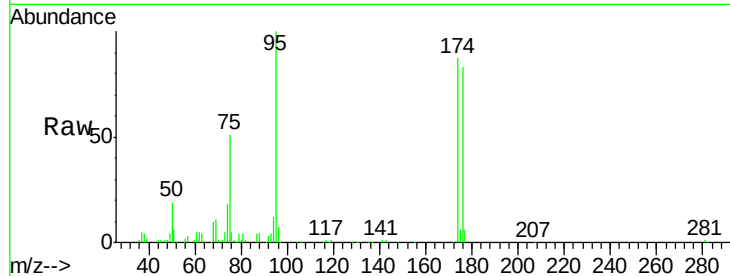
Tgt Ion: 75 Resp: 65376

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

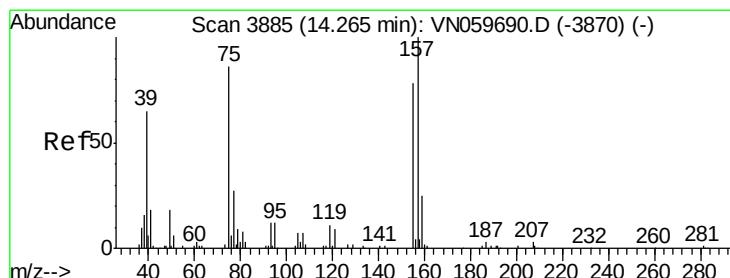
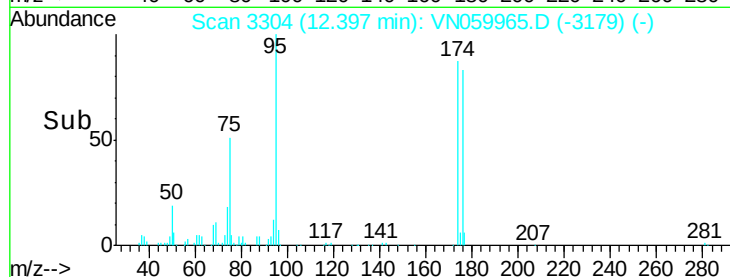
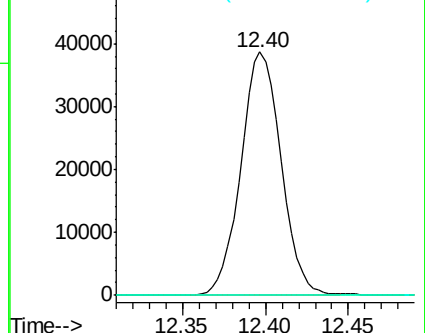
89 0.0 35.4 53.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.24 min Scan# 3877

Delta R.T. -0.02 min

Lab File: VN059965.D

Acq: 3 Feb 2020 11:03

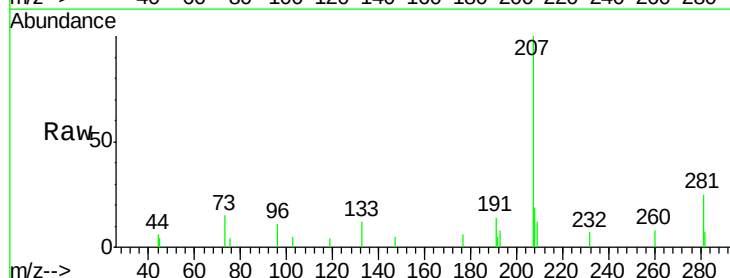
Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

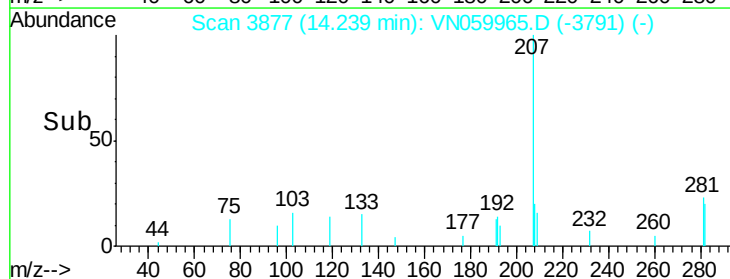
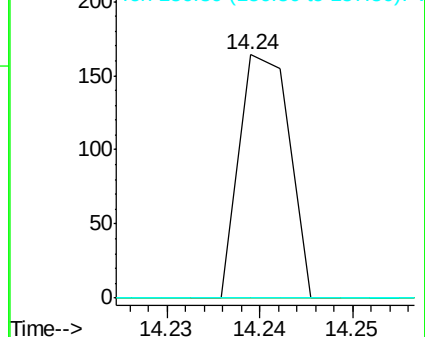
157 0.0 48.4 145.2#

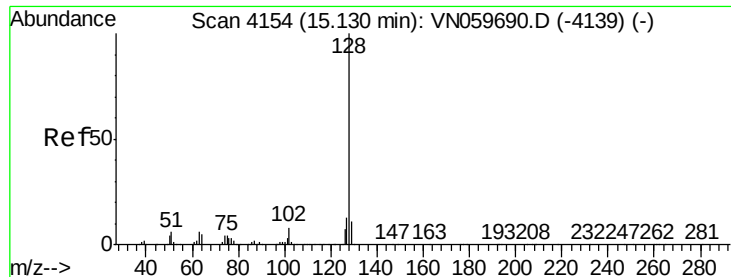


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 0.32 ug/l

RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN059965.D

Acq: 3 Feb 2020 11:03

Instrument :

MSVOA_N

ClientSampled :

VN0203WBL01

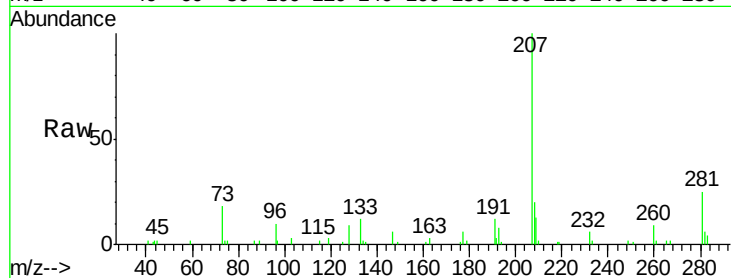
Tgt Ion:128 Resp: 2173

Ion Ratio Lower Upper

128 100

127 6.8 10.4 15.6#

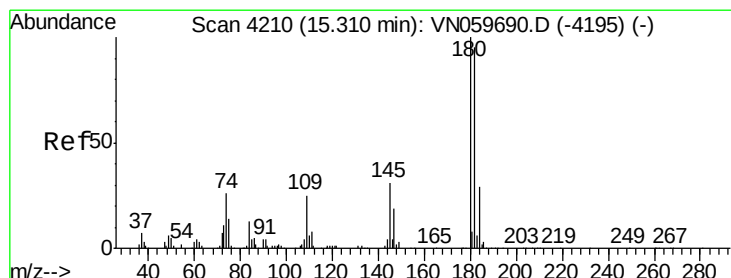
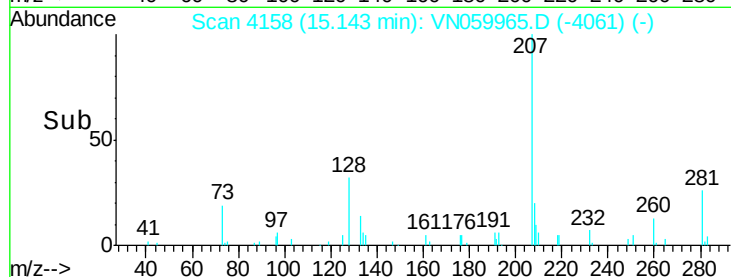
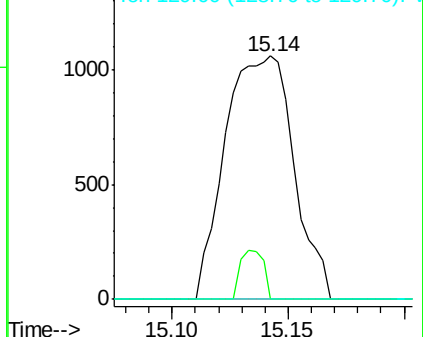
129 0.0 8.6 12.8#



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: 0.30 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059965.D

Acq: 3 Feb 2020 11:03

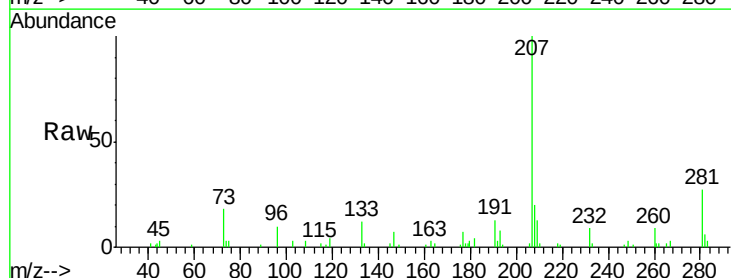
Tgt Ion:180 Resp: 701

Ion Ratio Lower Upper

180 100

182 93.4 47.4 142.3

145 25.7 16.3 48.9



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

