

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012220\
 Data File : VN059823.D
 Acq On : 22 Jan 2020 11:26
 Operator : JC/MD
 Sample : VN0122WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBL01

Quant Time: Jan 22 17:30:59 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	202425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	303104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	261583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	104302	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	106248	47.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.52%	
35) Dibromofluoromethane	7.57	113	90896	50.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.58%	
50) Toluene-d8	10.08	98	353148	50.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.40	95	114631	45.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.80%	

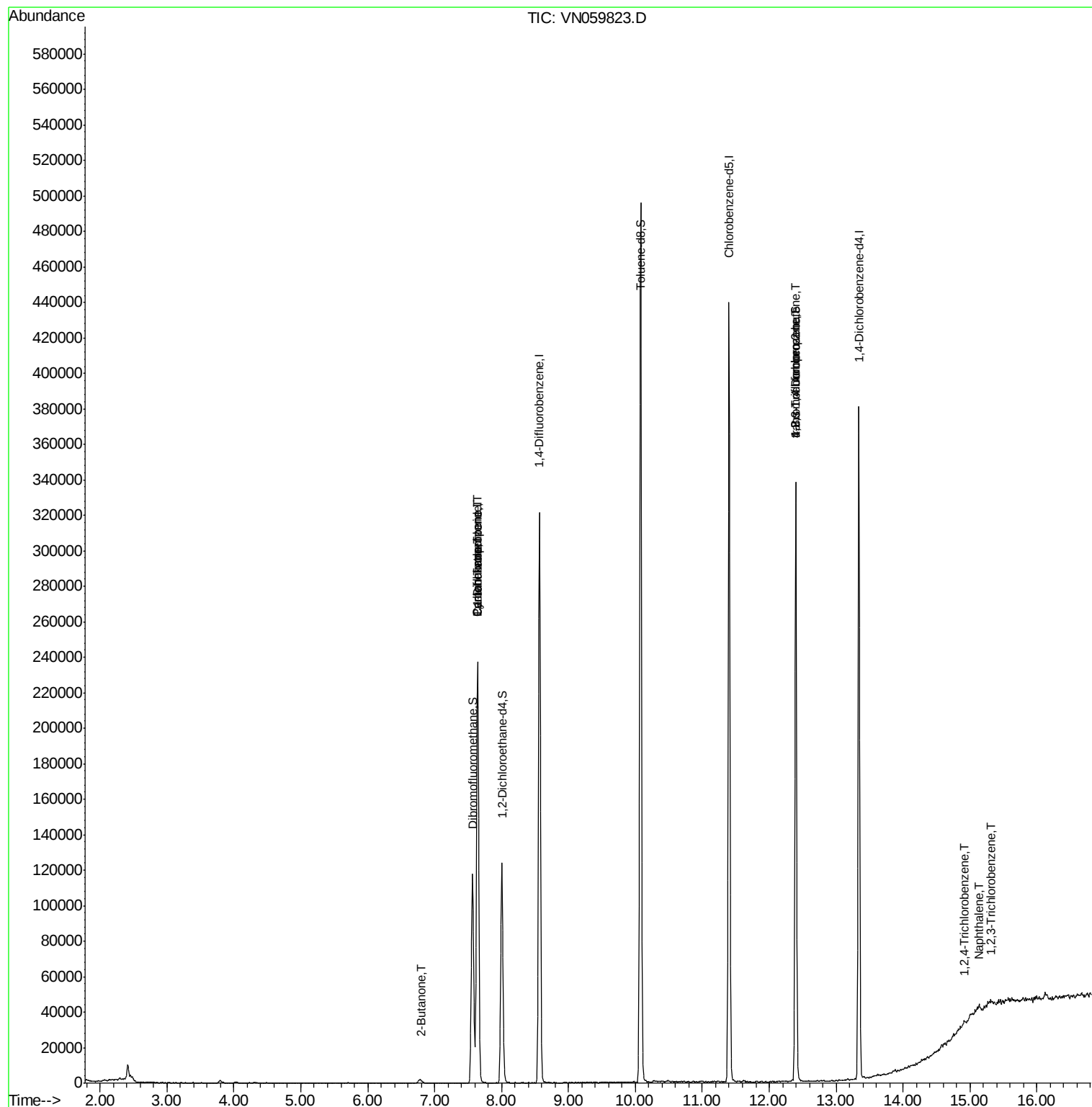
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	2625	Below Cal		95
25) 2-Butanone	6.81	43	263	0.21	ug/l #	50
31) Cyclohexane	7.64	56	3812	1.15	ug/l #	2
36) 1,1-Dichloropropene	7.64	75	14009	5.31	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18140	6.32	ug/l #	16
76) 1,2,3-Trichloropropane	12.40	75	57540	32.78	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	57540	70.40	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.35	75	178	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	451	0.23	ug/l #	58
95) Naphthalene	15.13	128	1706	0.30	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	623	0.32	ug/l	87

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

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Acq On : 22 Jan 2020 11:26
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Sample : VN0122WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBL01

Quant Time: Jan 22 17:30:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
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# 1825

Delta R.T. 0.00 min

Lab File: VN059823.D

Acq: 22 Jan 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

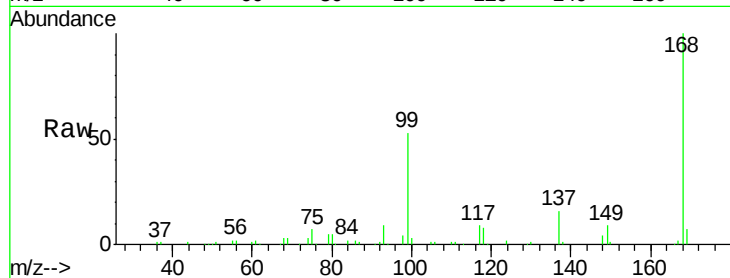
VN0122WBL01

Tgt Ion:168 Resp: 202425

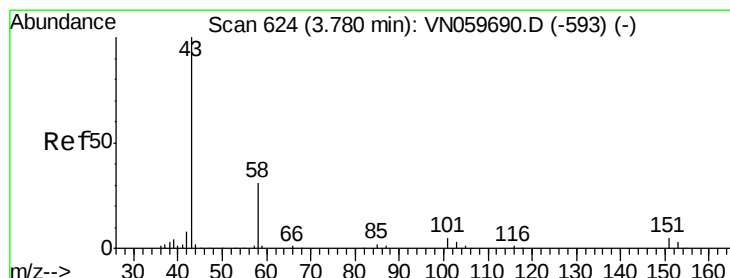
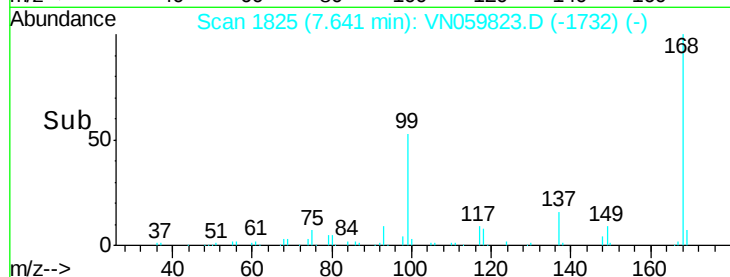
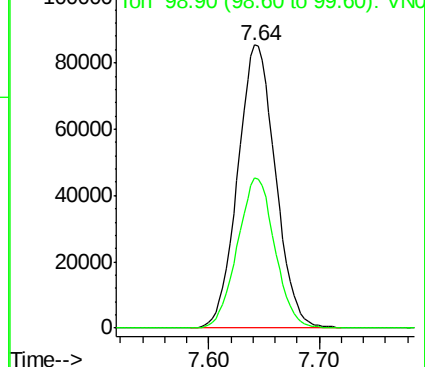
Ion Ratio Lower Upper

168 100

99 52.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059823.D (-1732) (-)



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059823.D

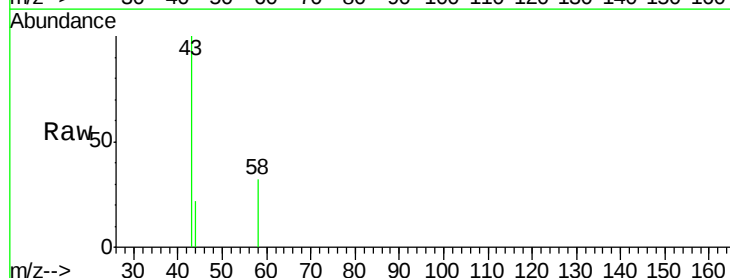
Acq: 22 Jan 2020 11:26

Tgt Ion: 43 Resp: 2625

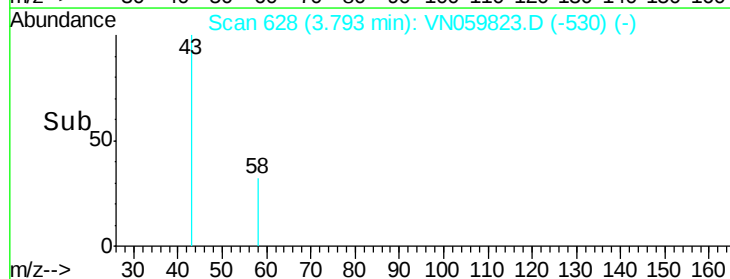
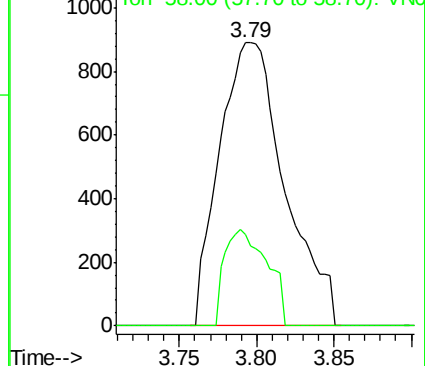
Ion Ratio Lower Upper

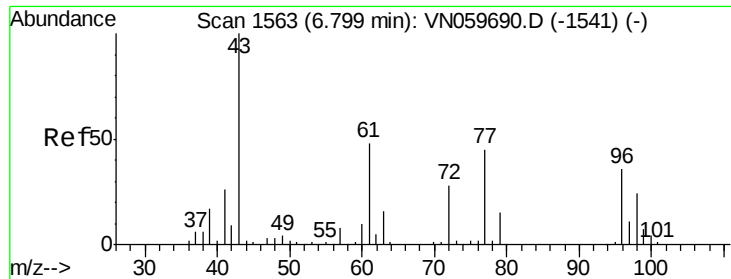
43 100

58 32.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059823.D (-530) (-)





#25

2-Butanone

Concen: 0.21 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN059823.D

Acq: 22 Jan 2020 11:26

Instrument :

MSVOA_N

ClientSampled :

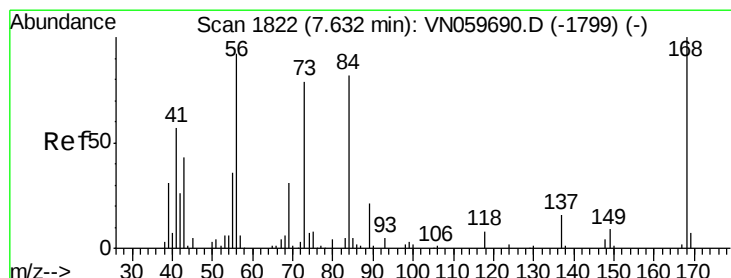
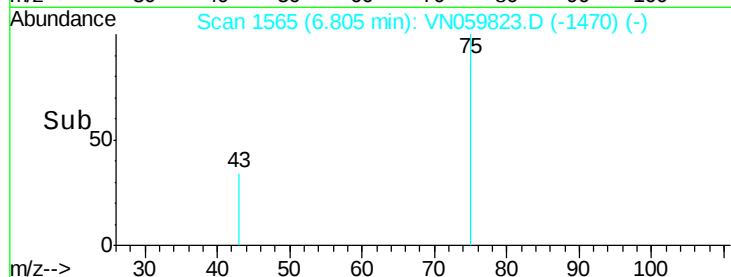
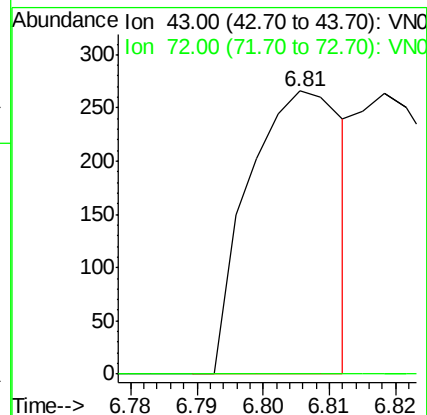
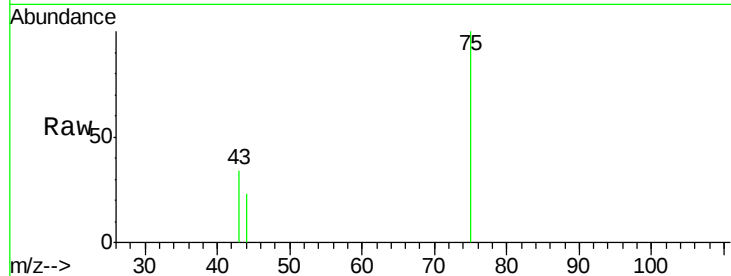
VN0122WBL01

Tgt Ion: 43 Resp: 263

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#31

Cyclohexane

Concen: 1.15 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059823.D

Acq: 22 Jan 2020 11:26

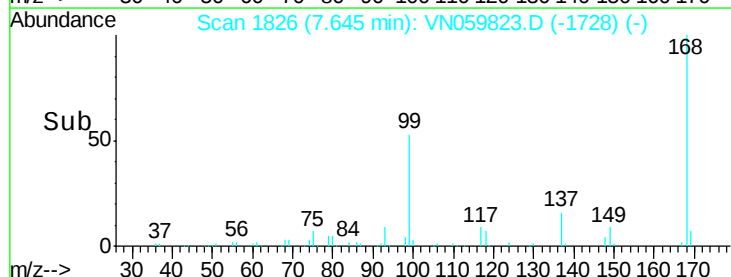
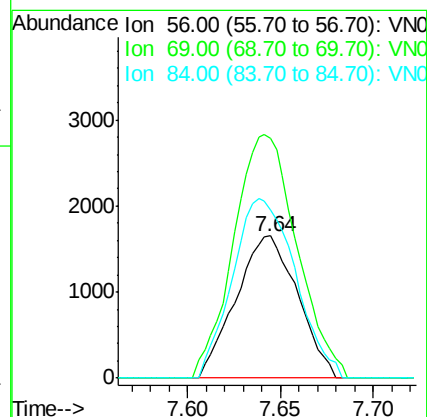
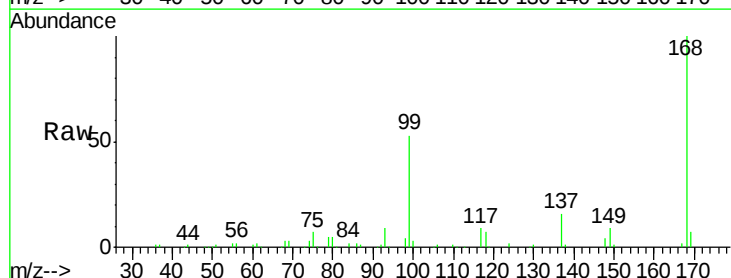
Tgt Ion: 56 Resp: 3812

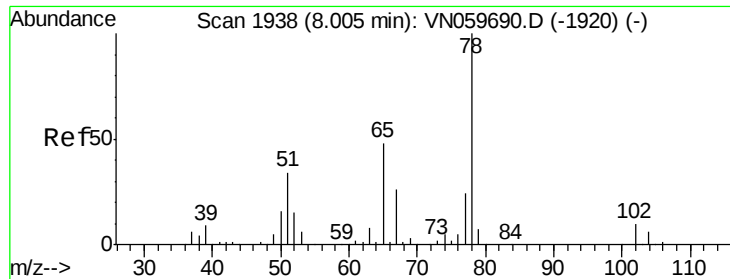
Ion Ratio Lower Upper

56 100

69 167.9 26.5 39.7#

84 117.9 65.3 97.9#

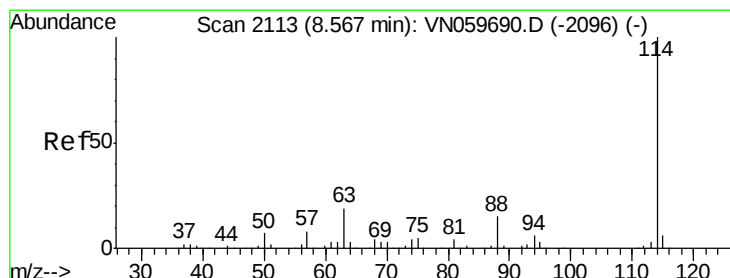
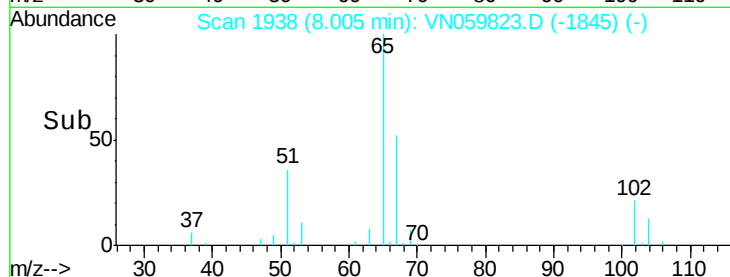
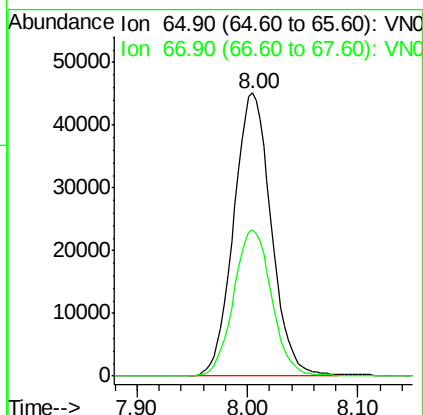
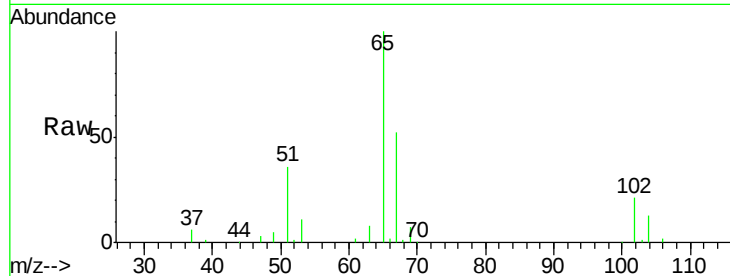




#33
 1,2-Dichloroethane-d4
 Concen: 47.26 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059823.D
 Acq: 22 Jan 2020 11:26

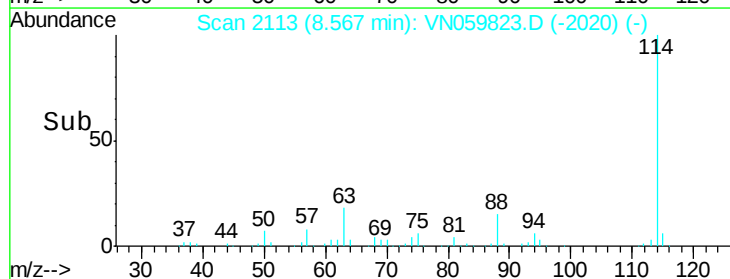
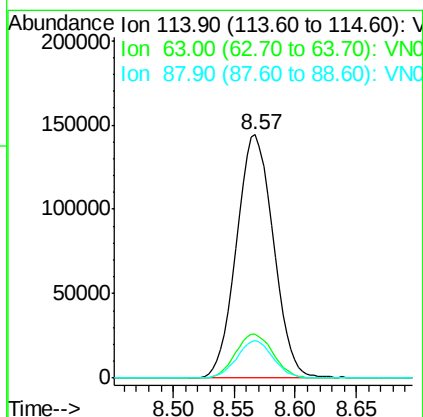
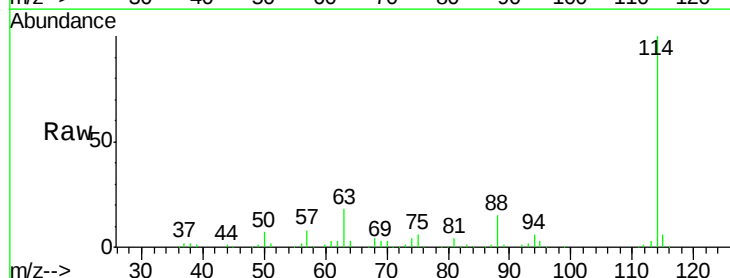
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBL01

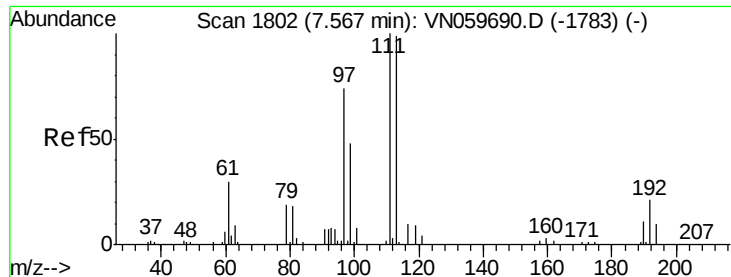
Tgt Ion: 65 Resp: 106248
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059823.D
 Acq: 22 Jan 2020 11:26

Tgt Ion: 114 Resp: 303104
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 43.6
 88 15.2 0.0 31.4

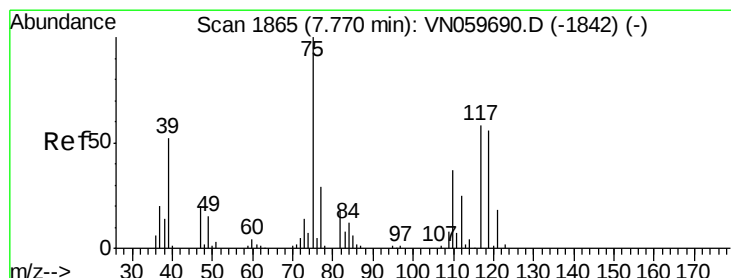
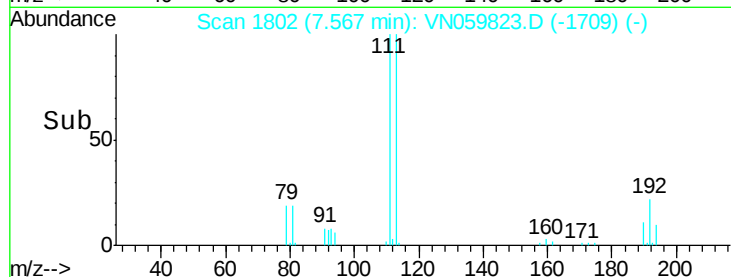
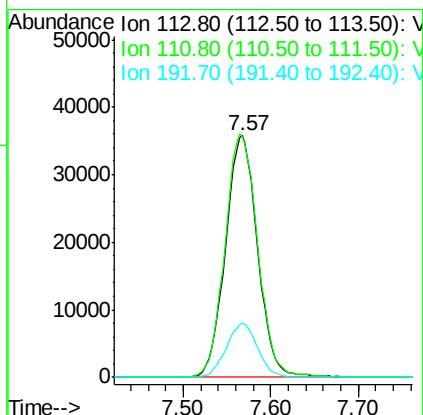
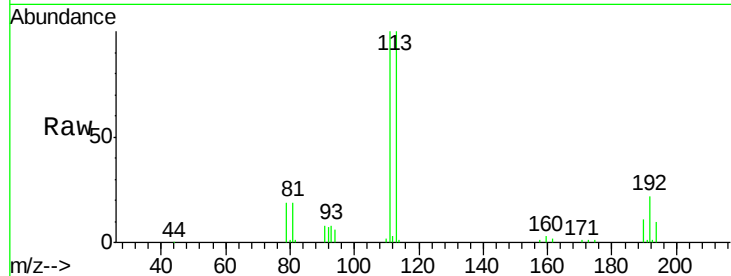




#35
 Dibromofluoromethane
 Concen: 50.29 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059823.D
 Acq: 22 Jan 2020 11:26

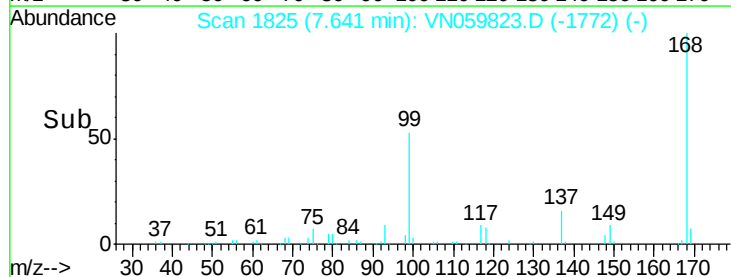
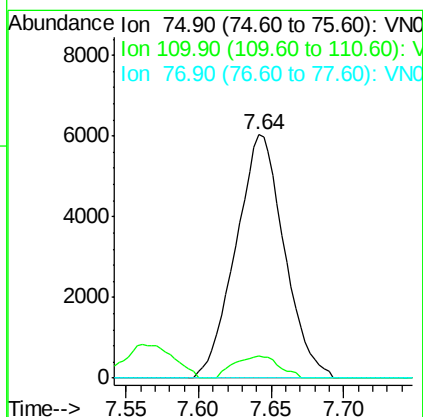
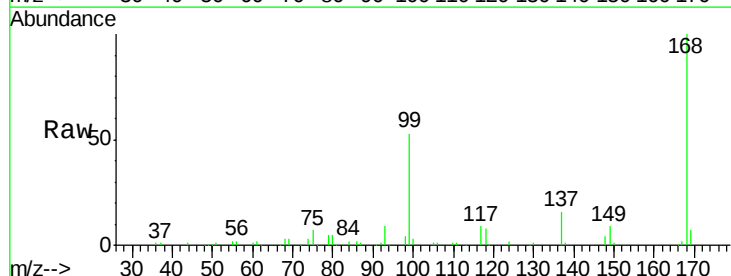
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBL01

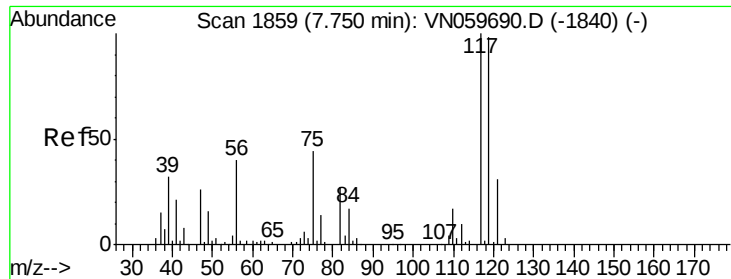
Tgt Ion: 113 Resp: 90896
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.5 125.3
 192 21.7 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.31 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059823.D
 Acq: 22 Jan 2020 11:26

Tgt Ion: 75 Resp: 14009
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.6 49.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.32 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059823.D

Acq: 22 Jan 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBL01

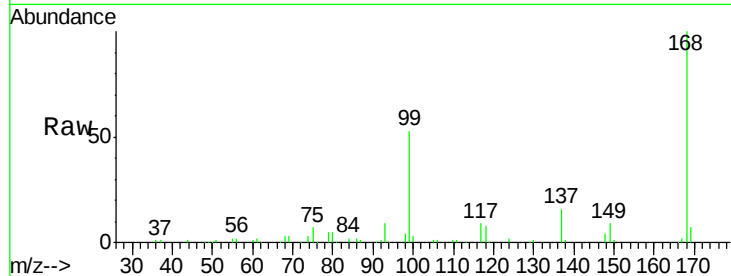
Tgt Ion:117 Resp: 18140

Ion Ratio Lower Upper

117 100

119 4.7 76.5 114.7#

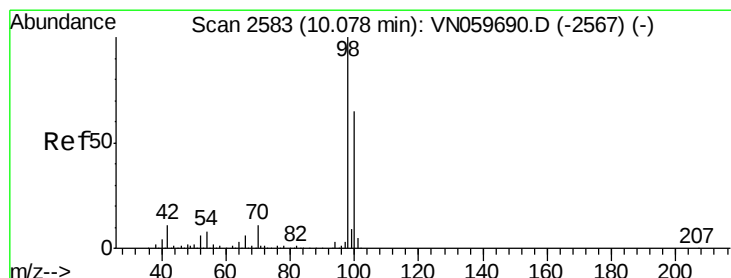
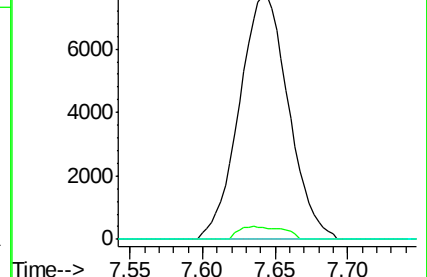
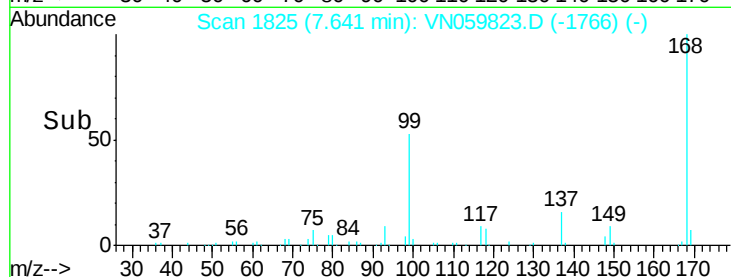
121 0.0 25.1 37.7#



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



#50

Toluene-d8

Concen: 50.43 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059823.D

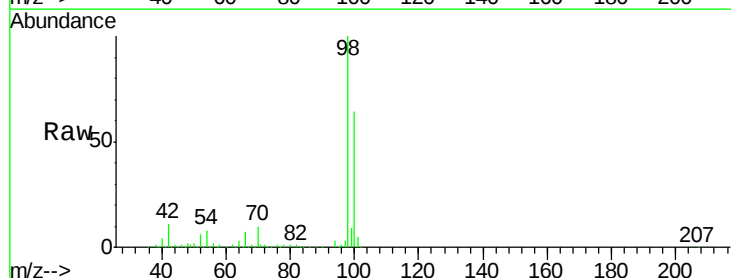
Acq: 22 Jan 2020 11:26

Tgt Ion: 98 Resp: 353148

Ion Ratio Lower Upper

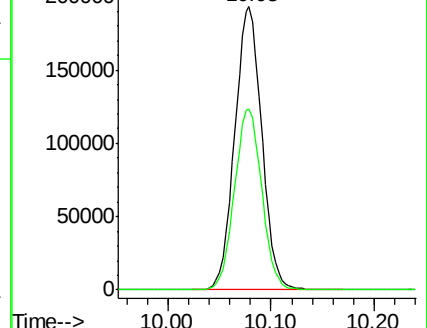
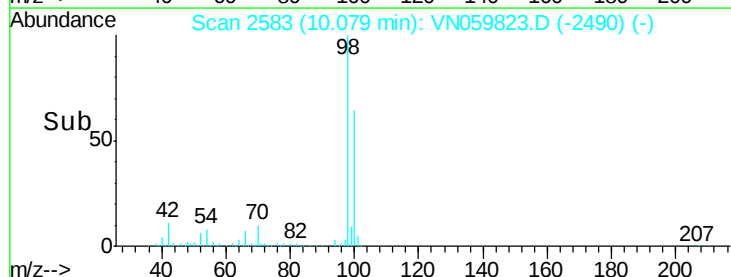
98 100

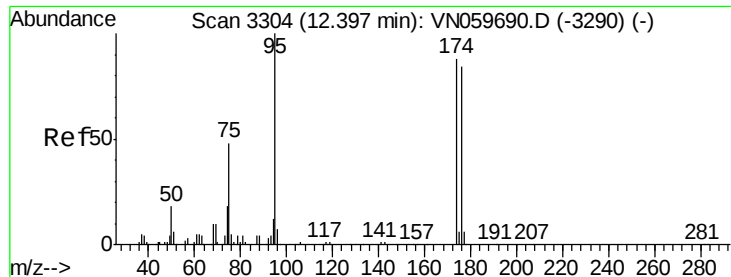
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

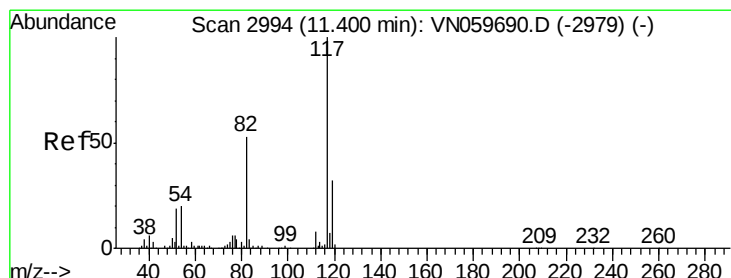
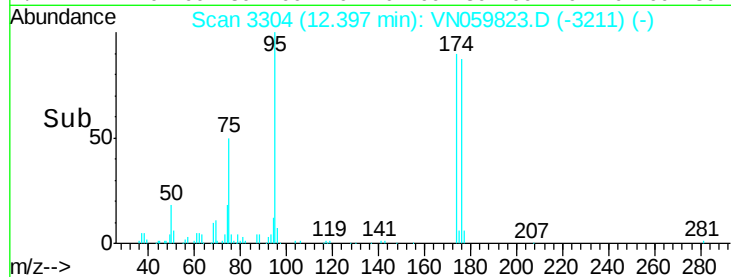
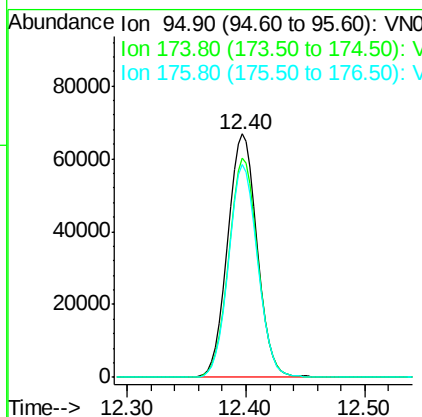
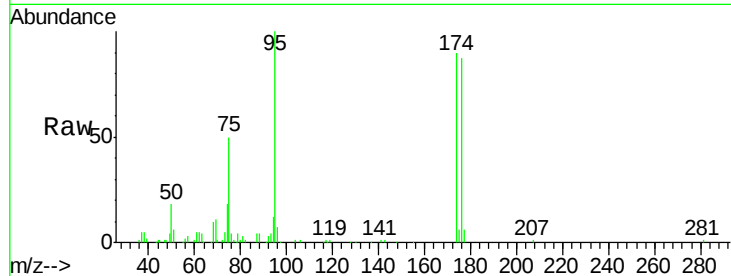




#62
4-Bromofluorobenzene
Concen: 45.40 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059823.D
Acq: 22 Jan 2020 11:26

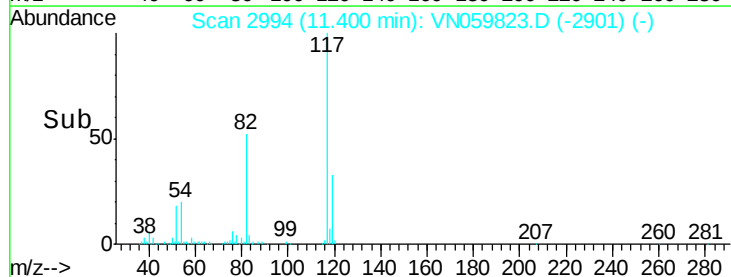
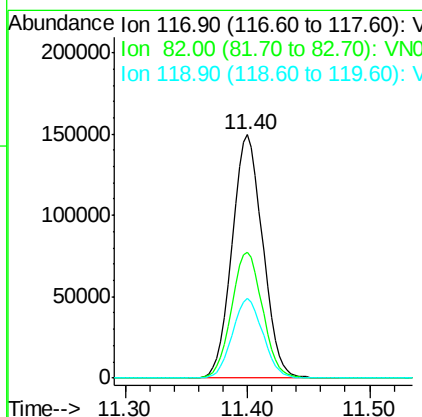
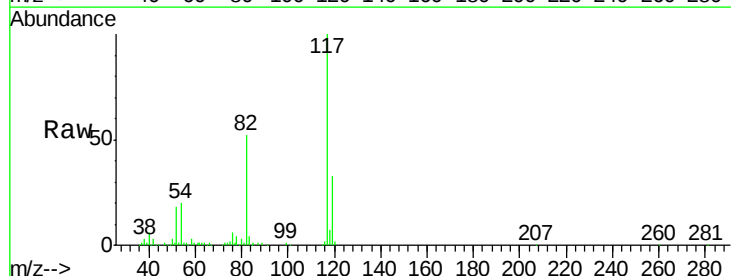
Instrument :
MSVOA_N
ClientSampleId :
VN0122WBL01

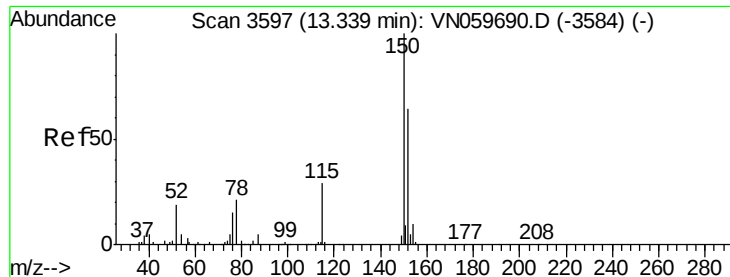
Tgt Ion: 95 Resp: 114631
Ion Ratio Lower Upper
95 100
174 88.6 0.0 151.4
176 86.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059823.D
Acq: 22 Jan 2020 11:26

Tgt Ion: 117 Resp: 261583
Ion Ratio Lower Upper
117 100
82 51.9 45.9 68.9
119 32.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059823.D

Acq: 22 Jan 2020 11:26

Instrument :

MSVOA_N

ClientSampled :

VN0122WBL01

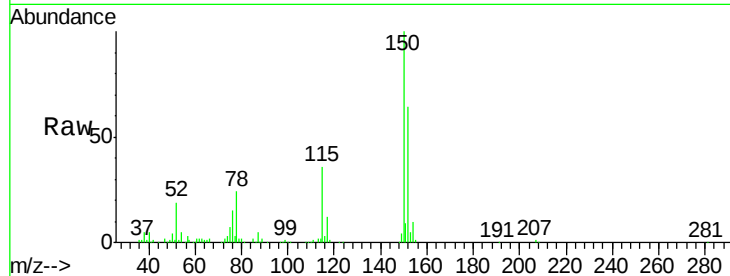
Tgt Ion:152 Resp: 104302

Ion Ratio Lower Upper

152 100

115 57.0 30.3 90.9

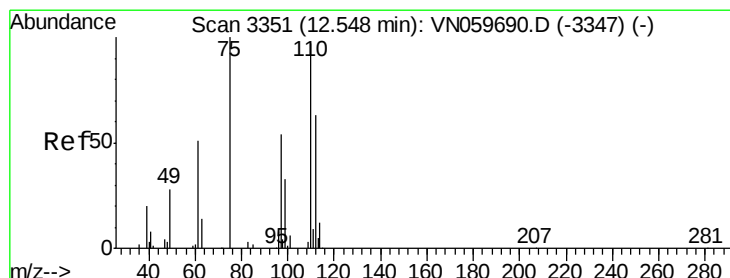
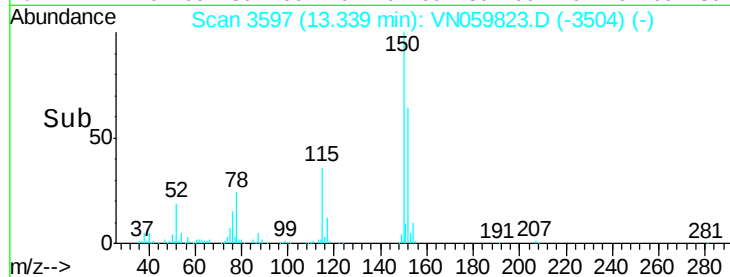
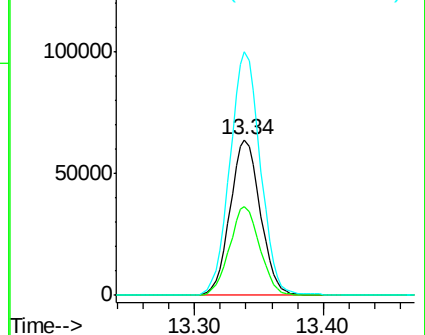
150 156.8 0.0 345.2



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: 32.78 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059823.D

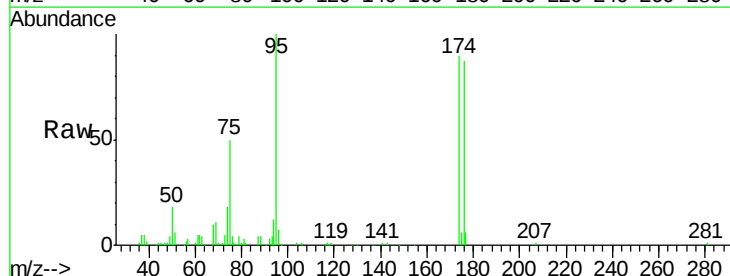
Acq: 22 Jan 2020 11:26

Tgt Ion: 75 Resp: 57540

Ion Ratio Lower Upper

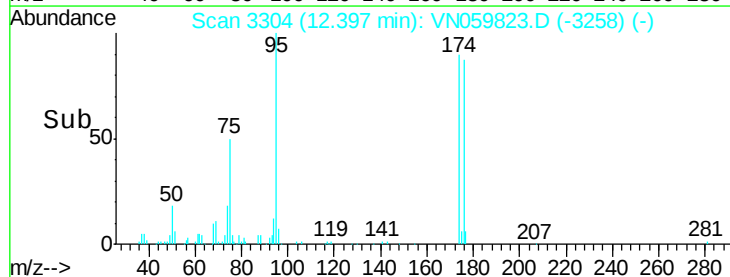
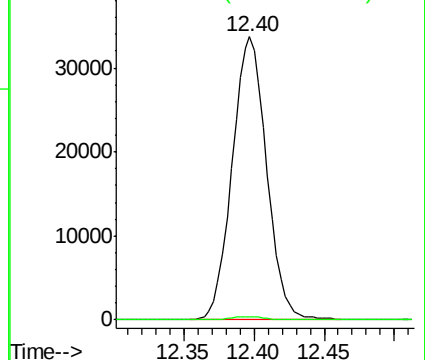
75 100

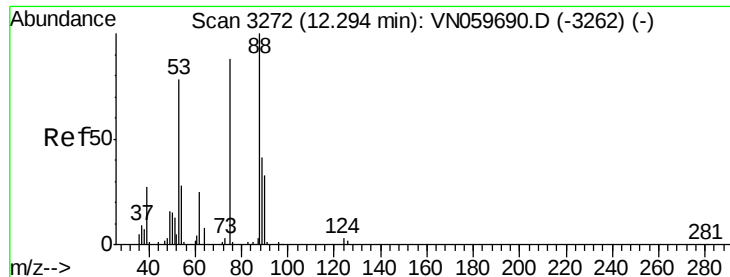
77 1.0 0.0 0.0#



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: 70.40 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059823.D

Acq: 22 Jan 2020 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBL01

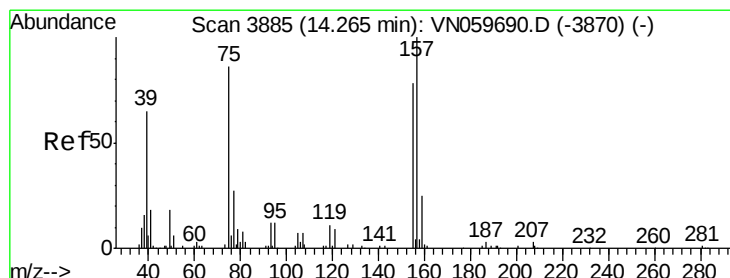
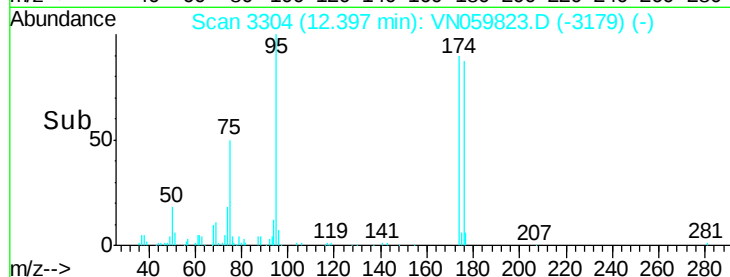
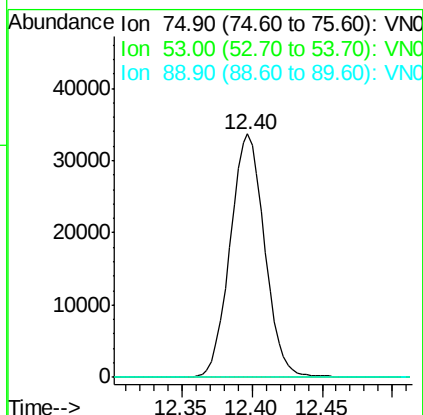
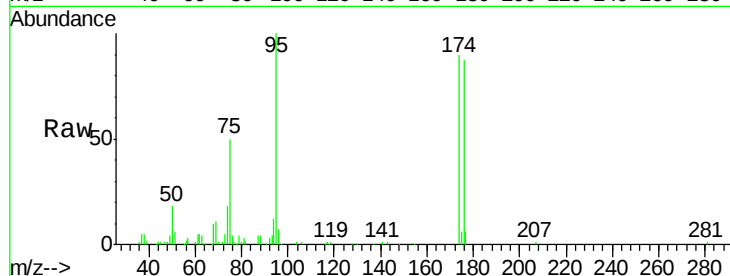
Tgt Ion: 75 Resp: 57540

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.35 min Scan# 3911

Delta R.T. 0.08 min

Lab File: VN059823.D

Acq: 22 Jan 2020 11:26

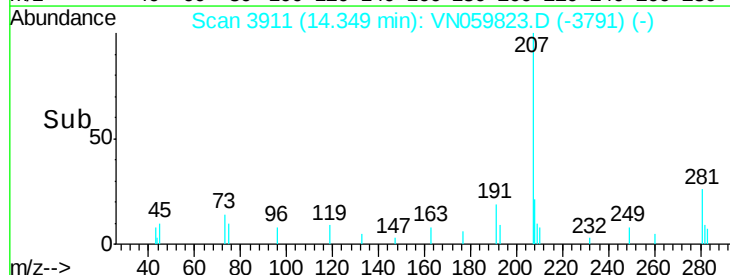
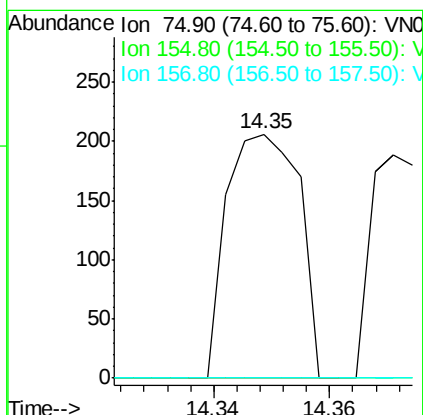
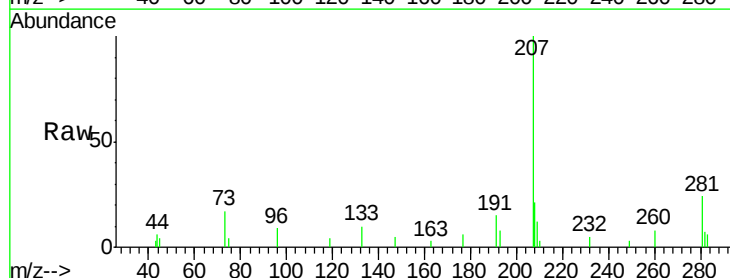
Tgt Ion: 75 Resp: 178

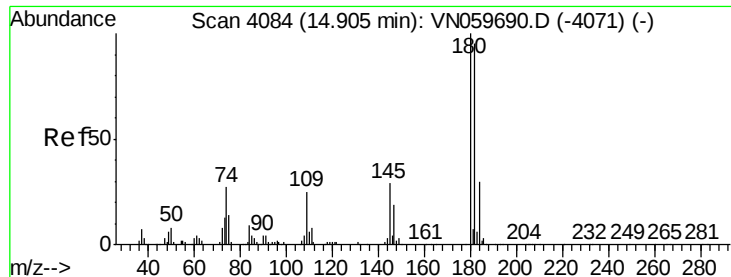
Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#





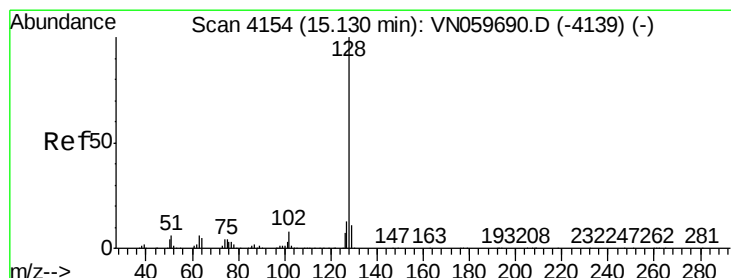
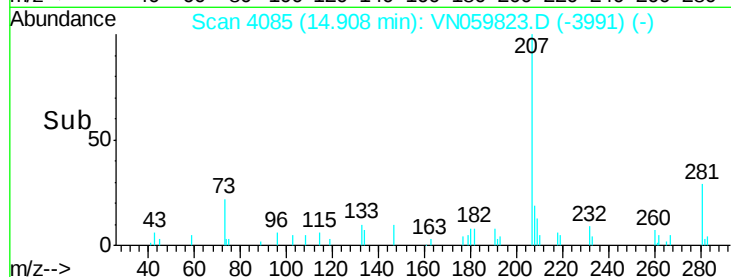
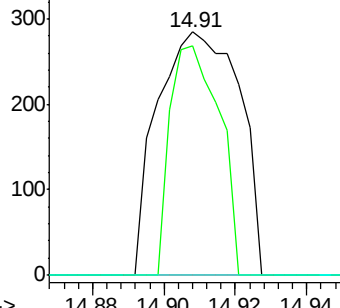
#93
 1,2,4-Trichlorobenzene
 Concen: 0.23 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059823.D
 Acq: 22 Jan 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBL01

Tgt Ion:180 Resp: 451
 Ion Ratio Lower Upper
 180 100
 182 57.0 46.9 140.7
 145 0.0 15.0 45.1#

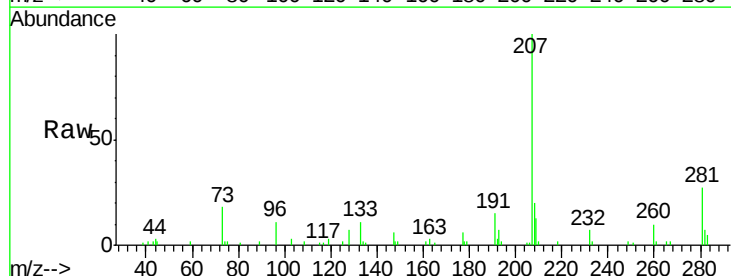


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

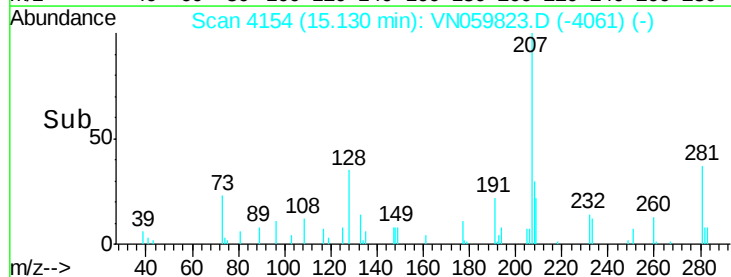
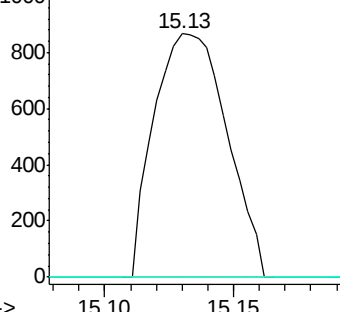


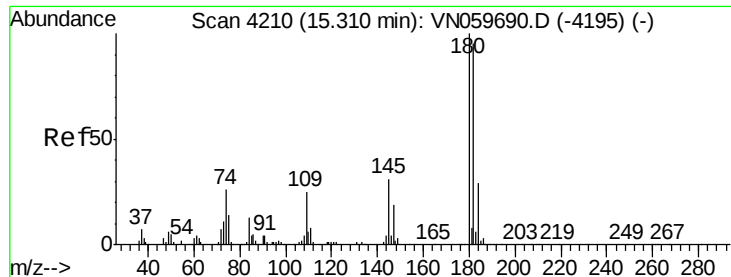
#95
 Naphthalene
 Concen: 0.30 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN059823.D
 Acq: 22 Jan 2020 11:26

Tgt Ion:128 Resp: 1706
 Ion Ratio Lower Upper
 128 100
 127 0.0 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: 0.32 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.01 min
 Lab File: VN059823.D
 Acq: 22 Jan 2020 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	80.6	47.4	142.3
145	27.4	16.3	48.9

