

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012220\
 Data File : VN059822.D
 Acq On : 22 Jan 2020 11:03
 Operator : JC/MD
 Sample : VN0122MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBL01

Quant Time: Jan 22 17:30:50 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	209029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	313072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	273929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	112646	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	113285	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	7.56	113	95251	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.08	98	367179	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.40	95	121246	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	

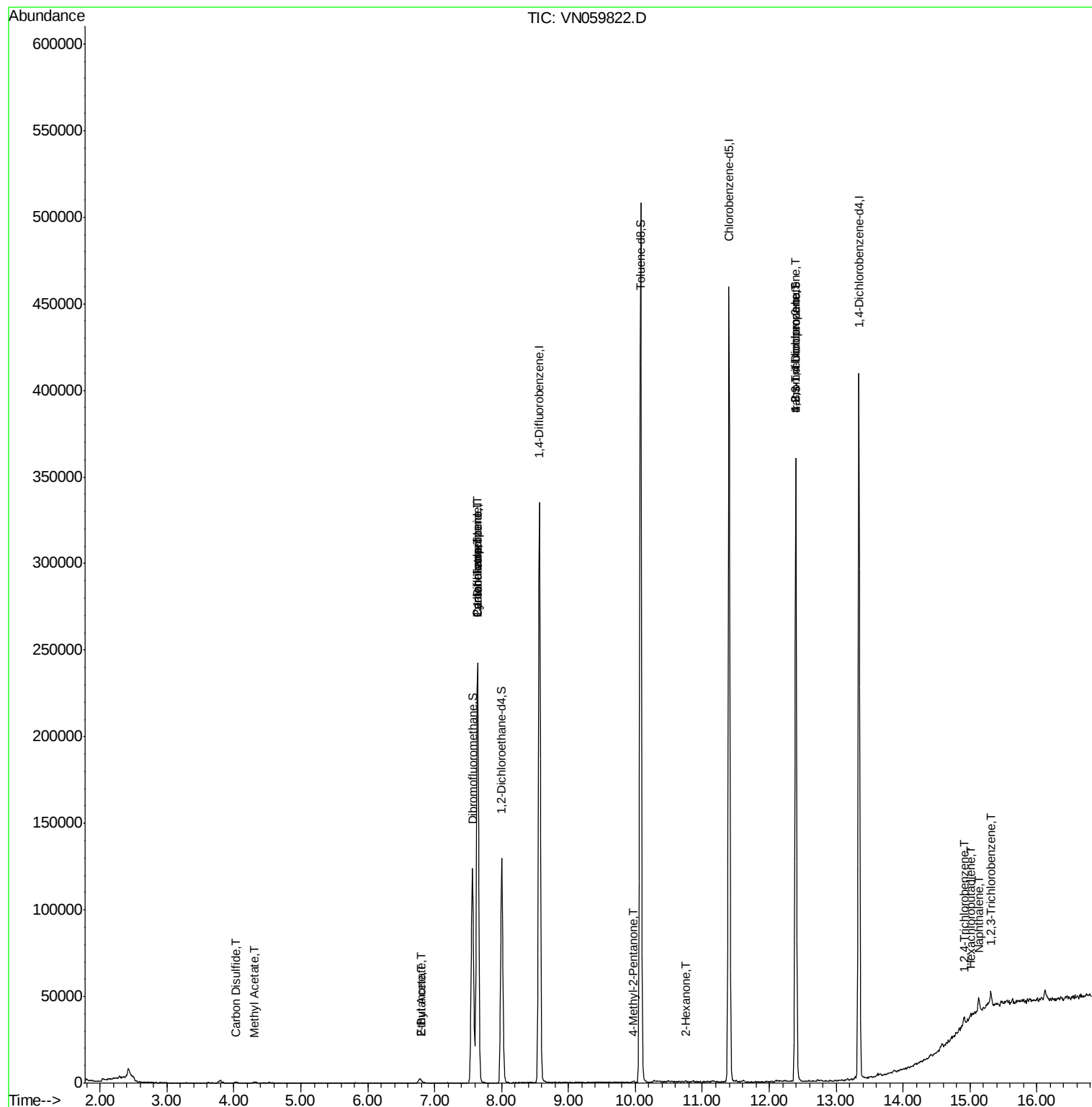
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	2845	Below Cal		97
17) Carbon Disulfide	4.03	76	1364	0.25 ug/l	#	75
18) Methyl Acetate	4.31	43	893	0.33 ug/l	#	54
20) Methylene Chloride	4.53	84	90	Below Cal	#	4
25) 2-Butanone	6.81	43	775	0.59 ug/l	#	50
31) Cyclohexane	7.64	56	3845	1.12 ug/l	#	1
36) 1,1-Dichloropropene	7.64	75	14484	5.31 ug/l	#	51
37) Ethyl Acetate	6.81	43	775	0.30 ug/l	#	69
38) Carbon Tetrachloride	7.64	117	19310	6.51 ug/l	#	15
51) 4-Methyl-2-Pentanone	9.97	43	772	0.30 ug/l	#	38
59) 2-Hexanone	10.76	43	572	0.31 ug/l	#	60
76) 1,2,3-Trichloropropane	12.40	75	60856	32.10 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	60856	68.94 ug/l	#	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	135	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	1923	0.89 ug/l		89
94) Hexachlorobutadiene	15.01	225	415	0.35 ug/l		79
95) Naphthalene	15.13	128	7525	1.23 ug/l	#	94
96) 1,2,3-Trichlorobenzene	15.31	180	3356	1.60 ug/l		87

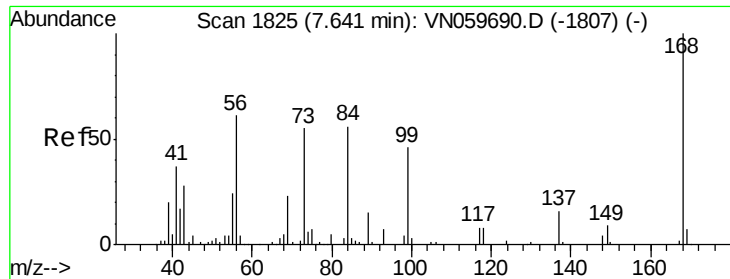
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN012220\
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
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Quant Time: Jan 22 17:30:50 2020
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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# 1825

Delta R.T. 0.00 min

Lab File: VN059822.D

Acq: 22 Jan 2020 11:03

Instrument :

MSVOA_N

ClientSampled :

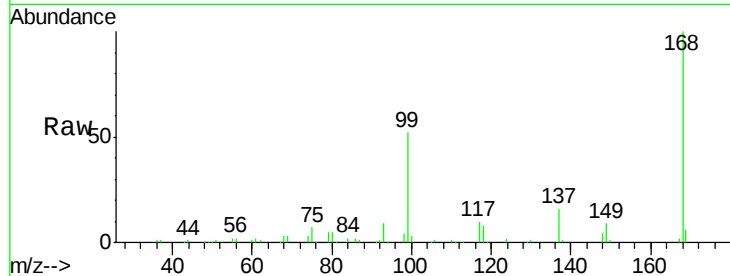
VN0122MBL01

Tgt Ion: 168 Resp: 209029

Ion Ratio Lower Upper

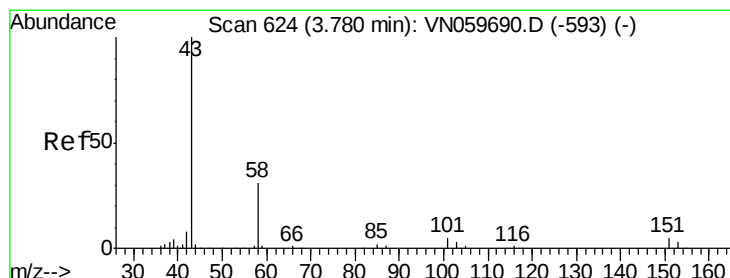
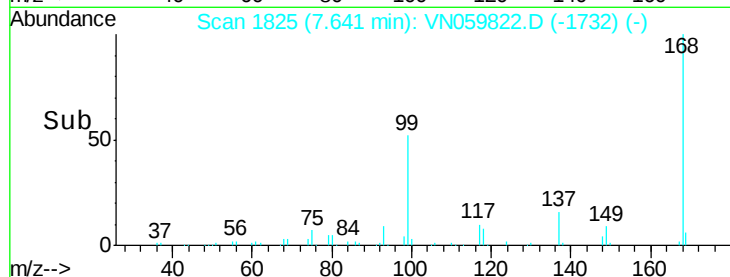
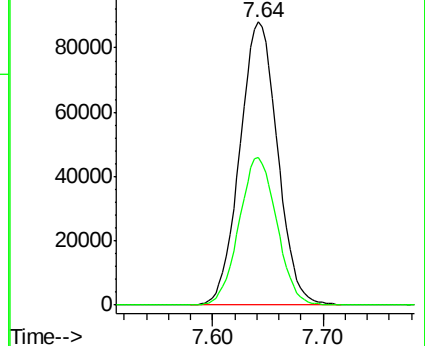
168 100

99 52.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059822.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059822.D (-1732) (-)



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059822.D

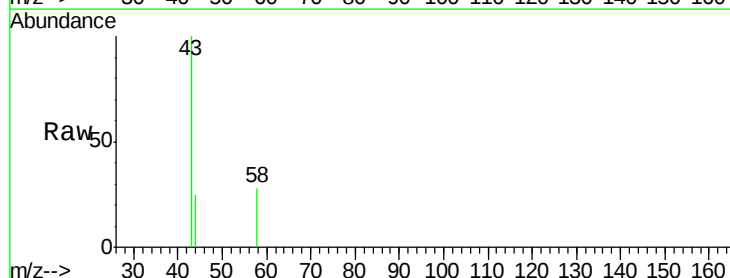
Acq: 22 Jan 2020 11:03

Tgt Ion: 43 Resp: 2845

Ion Ratio Lower Upper

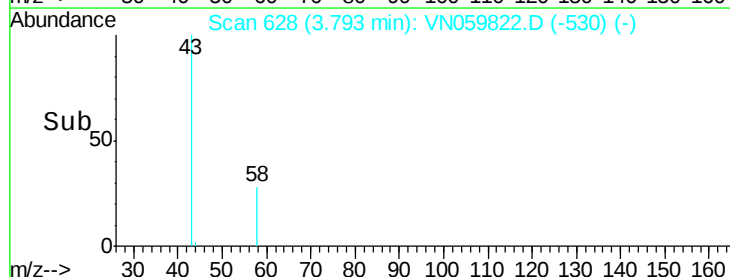
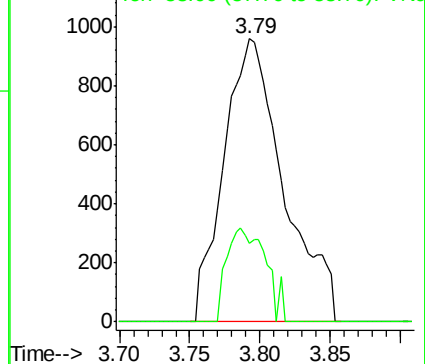
43 100

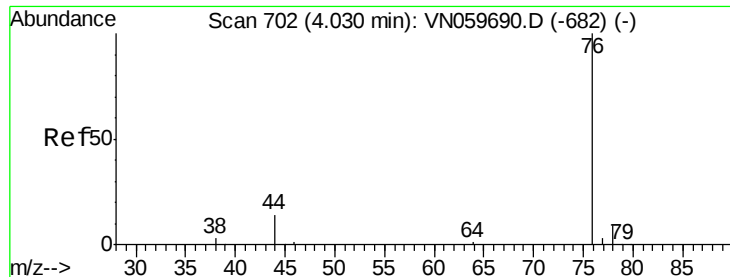
58 27.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059822.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059822.D (-530) (-)

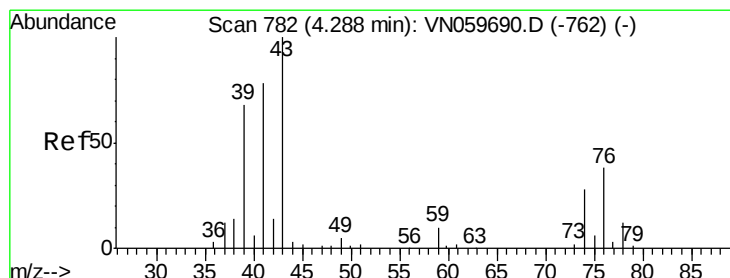
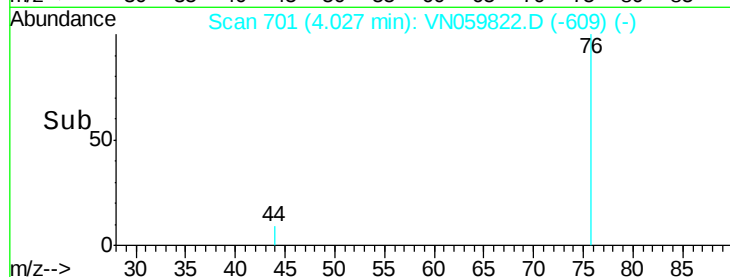
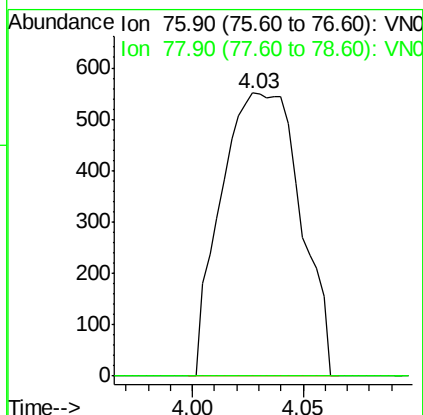
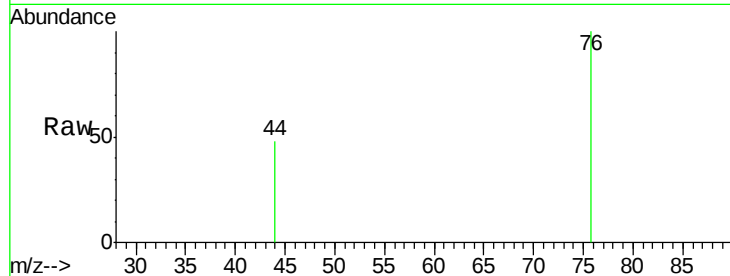




#17
Carbon Disulfide
Concen: 0.25 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059822.D
Acq: 22 Jan 2020 11:03

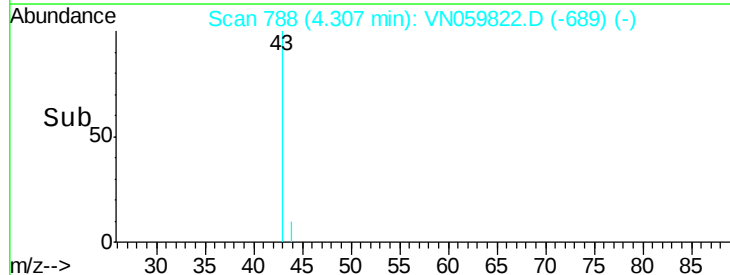
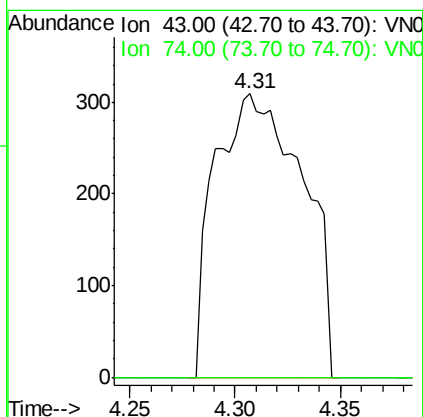
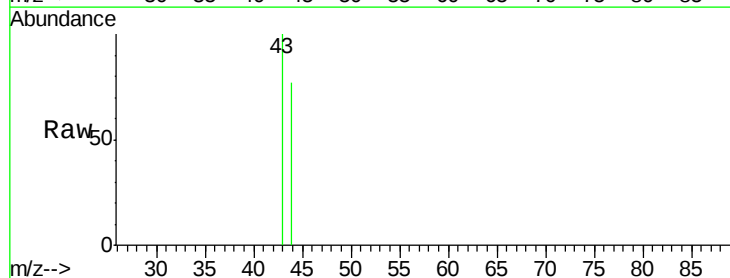
Instrument :
MSVOA_N
ClientSampleId :
VN0122MBL01

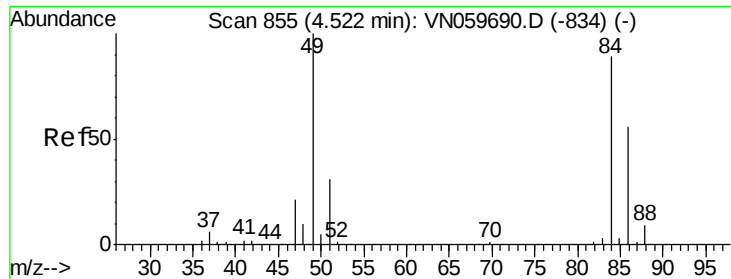
Tgt Ion: 76 Resp: 1364
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.33 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN059822.D
Acq: 22 Jan 2020 11:03

Tgt Ion: 43 Resp: 893
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

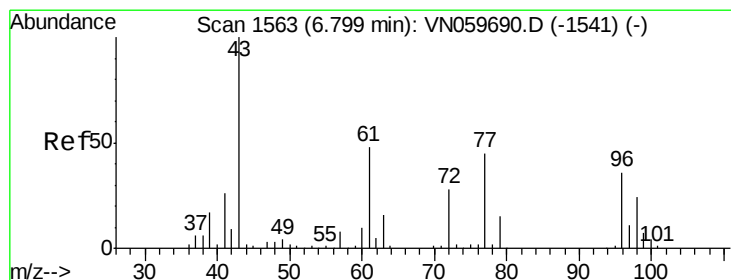
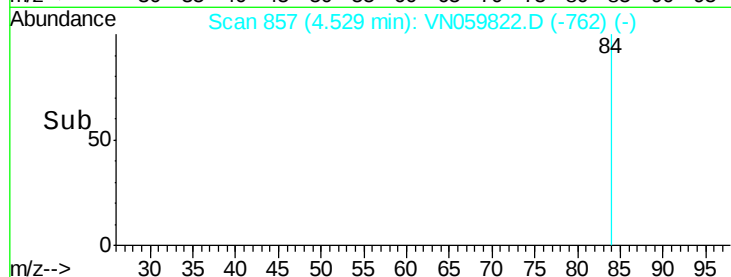
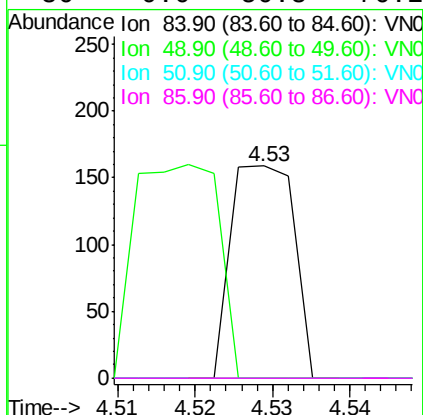
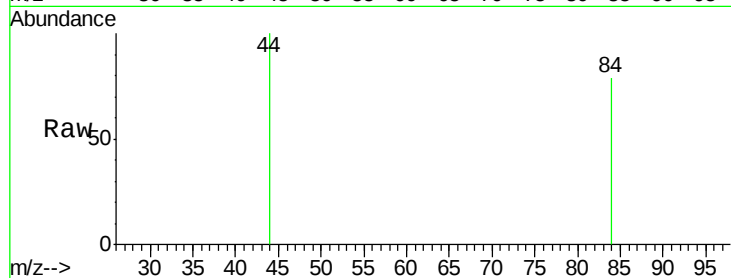




#20
Methylene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059822.D
Acq: 22 Jan 2020 11:03

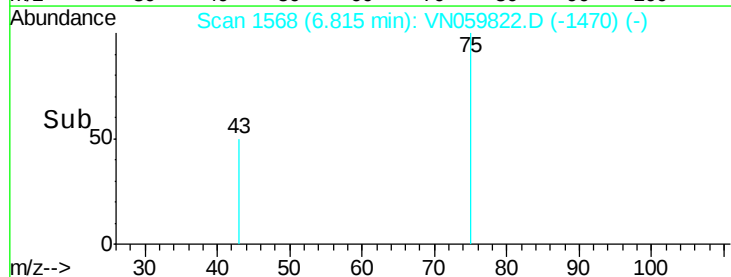
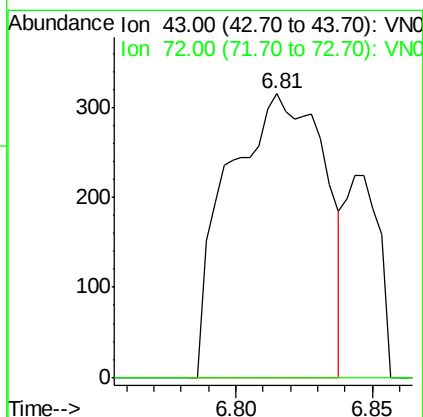
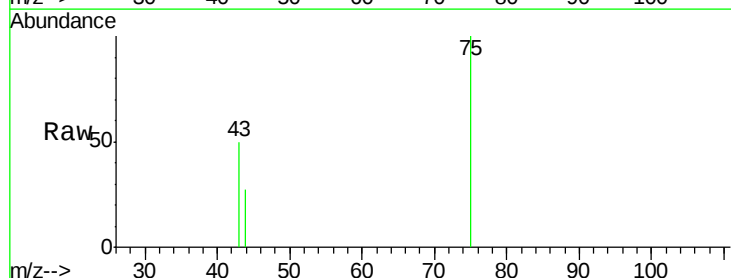
Instrument :
MSVOA_N
ClientSampleId :
VN0122MBL01

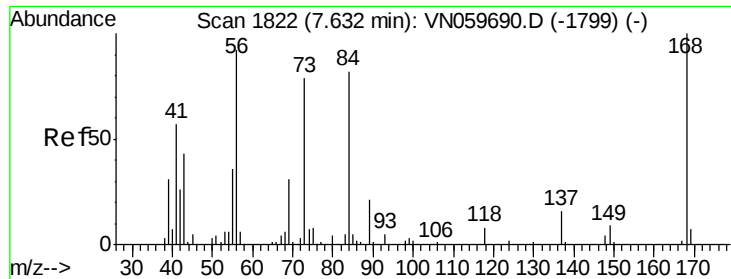
Tgt Ion: 84 Resp: 90
Ion Ratio Lower Upper
84 100
49 0.0 106.6 160.0#
51 0.0 31.9 47.9#
86 0.0 50.8 76.2#



#25
2-Butanone
Concen: 0.59 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VN059822.D
Acq: 22 Jan 2020 11:03

Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

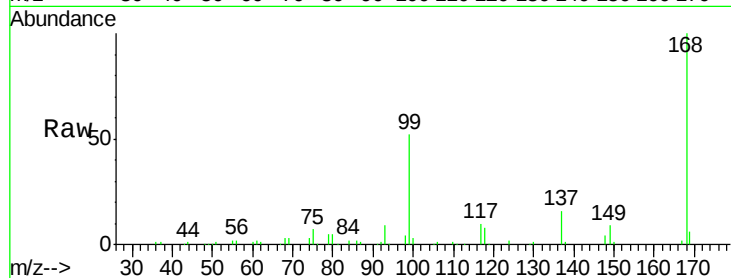




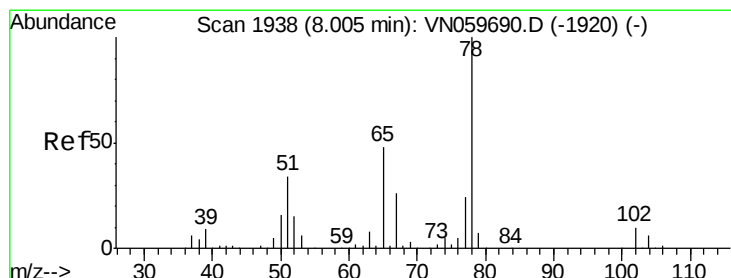
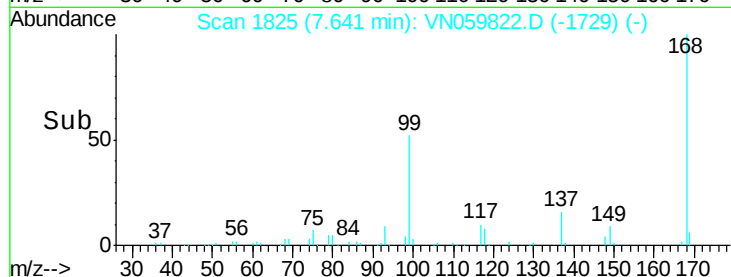
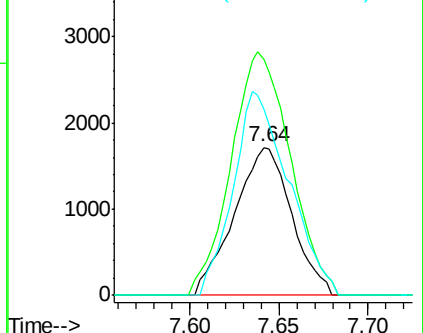
#31
Cyclohexane
Concen: 1.12 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059822.D
Acq: 22 Jan 2020 11:03

Instrument :
MSVOA_N
ClientSampled :
VN0122MBL01

Tgt Ion: 56 Resp: 3845
Ion Ratio Lower Upper
56 100
69 159.0 26.5 39.7#
84 125.3 65.3 97.9#

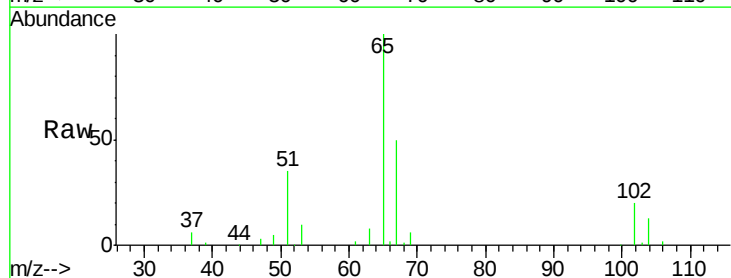


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

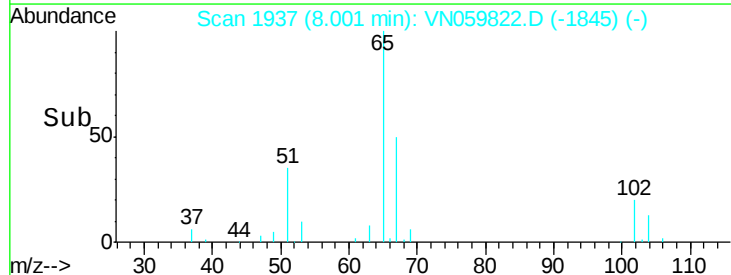
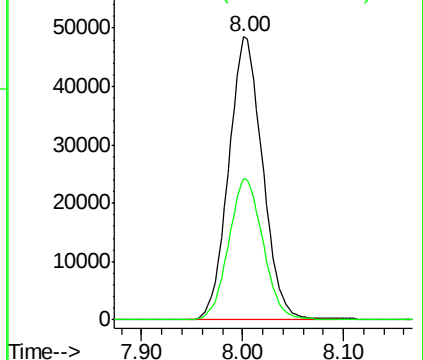


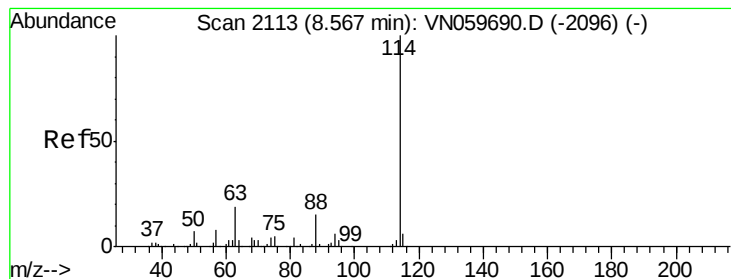
#33
1,2-Dichloroethane-d4
Concen: 48.80 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN059822.D
Acq: 22 Jan 2020 11:03

Tgt Ion: 65 Resp: 113285
Ion Ratio Lower Upper
65 100
67 50.5 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: VN059822.D

Acq: 22 Jan 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBL01

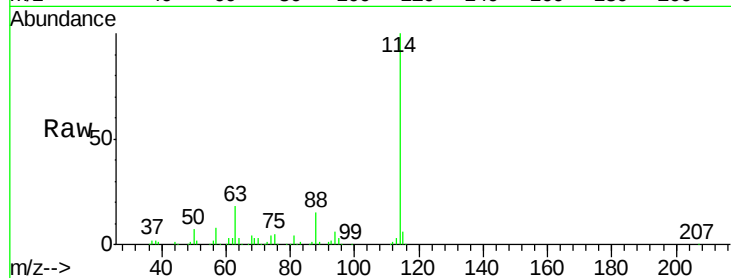
Tgt Ion:114 Resp: 313072

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.6

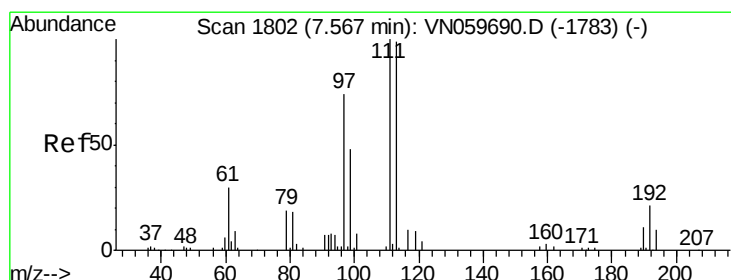
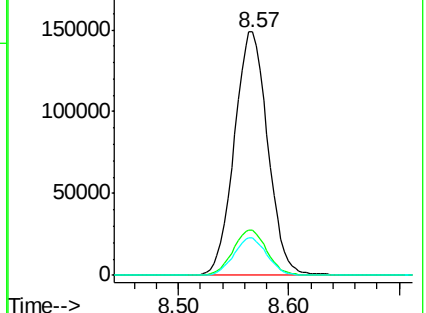
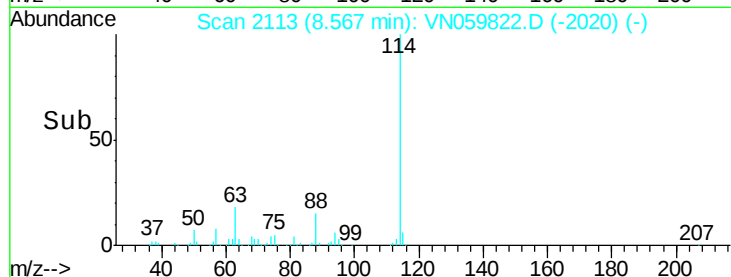
88 15.2 0.0 31.4



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: 51.02 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059822.D

Acq: 22 Jan 2020 11:03

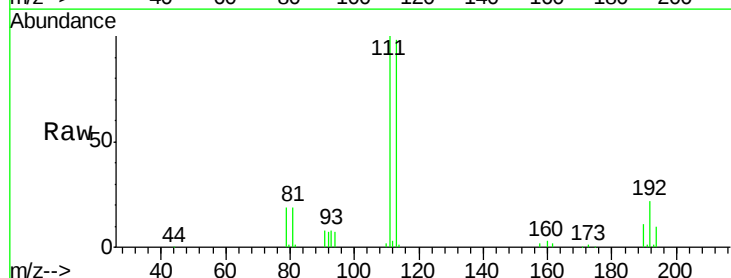
Tgt Ion:113 Resp: 95251

Ion Ratio Lower Upper

113 100

111 102.9 83.5 125.3

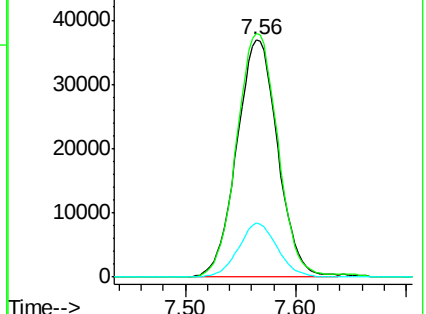
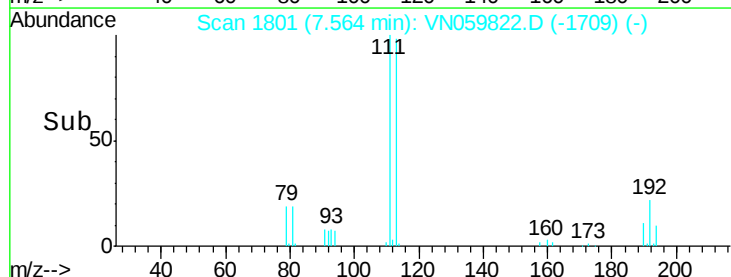
192 21.4 15.4 23.2

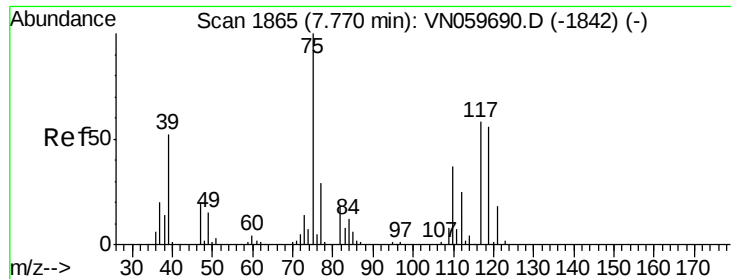


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

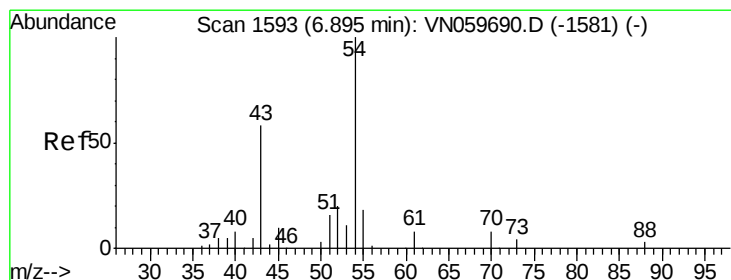
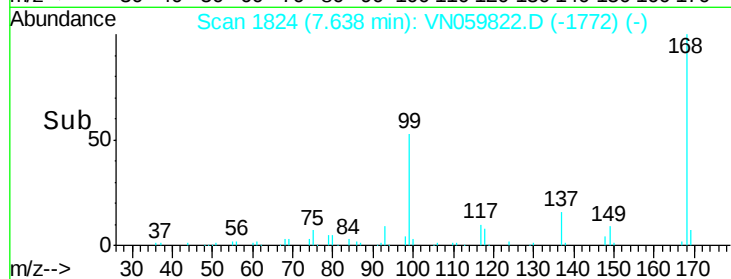
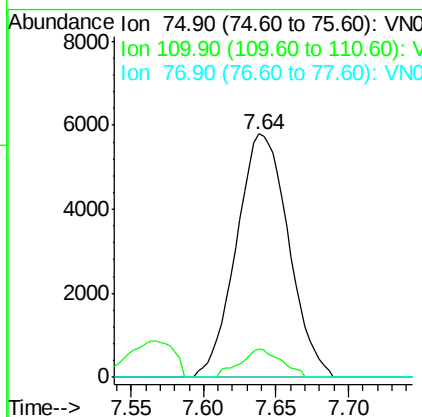
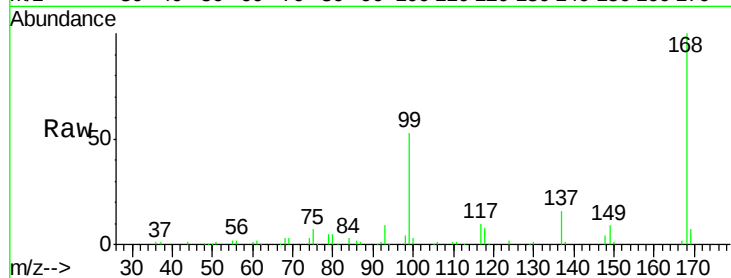




#36
 1,1-Dichloropropene
 Concen: 5.31 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059822.D
 Acq: 22 Jan 2020 11:03

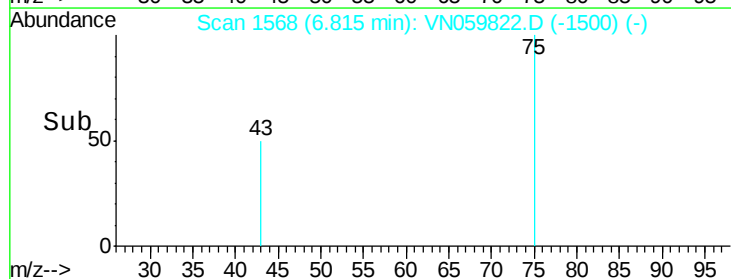
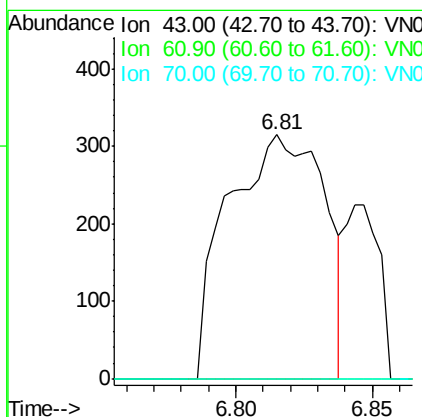
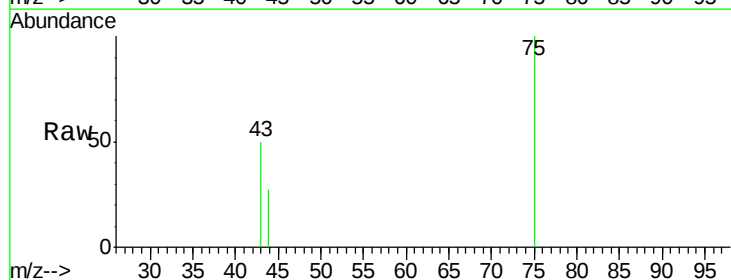
Instrument :
 MSVOA_N
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 VN0122MBL01

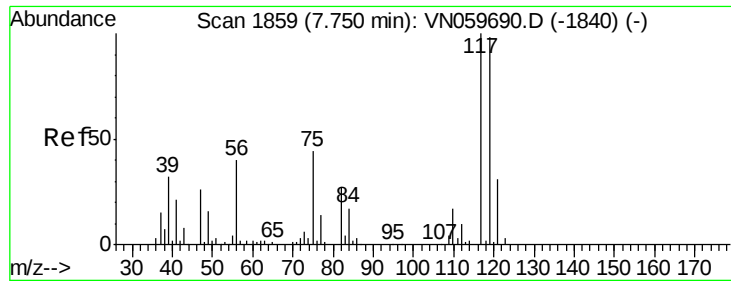
Tgt Ion: 75 Resp: 14484
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.6 49.7#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 0.30 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.08 min
 Lab File: VN059822.D
 Acq: 22 Jan 2020 11:03

Tgt Ion: 43 Resp: 775
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 6.51 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059822.D

Acq: 22 Jan 2020 11:03

Instrument :

MSVOA_N

ClientSampled :

VN0122MBL01

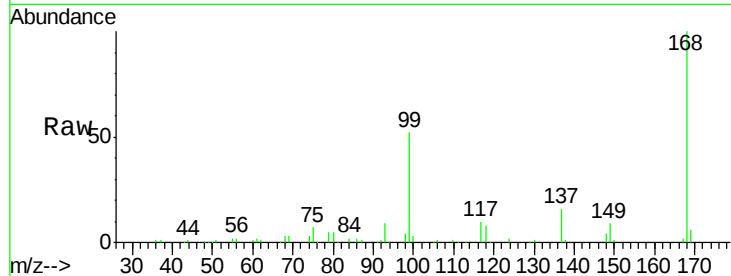
Tgt Ion:117 Resp: 19310

Ion Ratio Lower Upper

117 100

119 3.7 76.5 114.7#

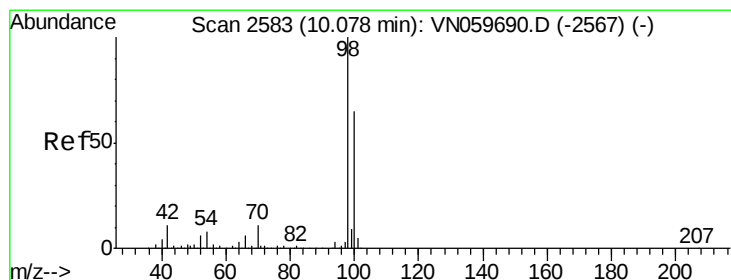
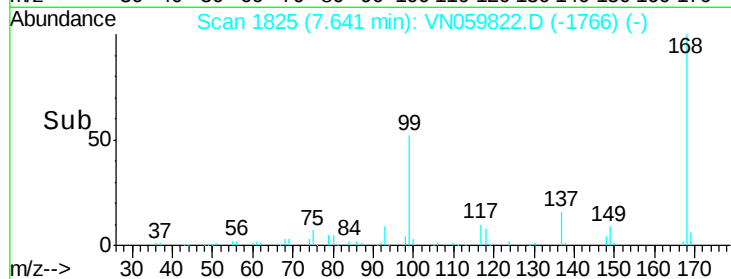
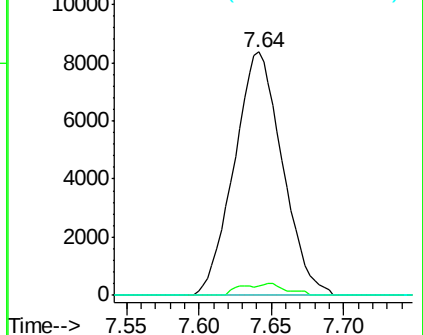
121 0.0 25.1 37.7#



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: 50.76 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059822.D

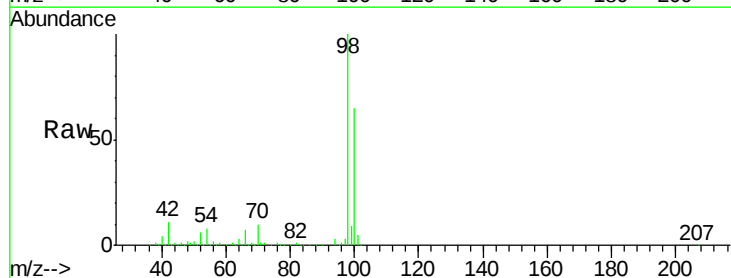
Acq: 22 Jan 2020 11:03

Tgt Ion: 98 Resp: 367179

Ion Ratio Lower Upper

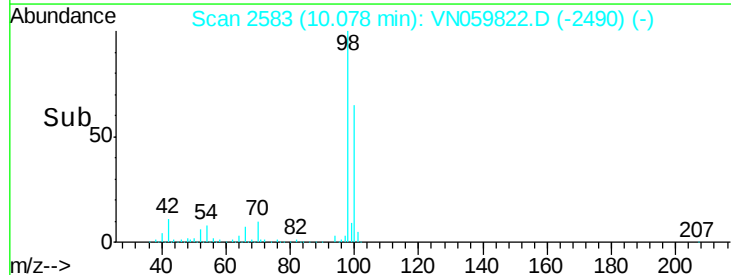
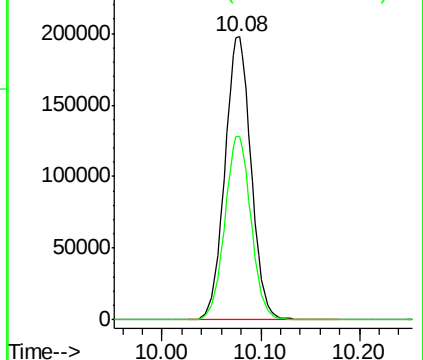
98 100

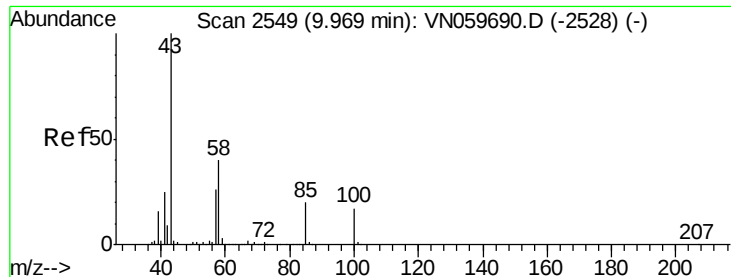
100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

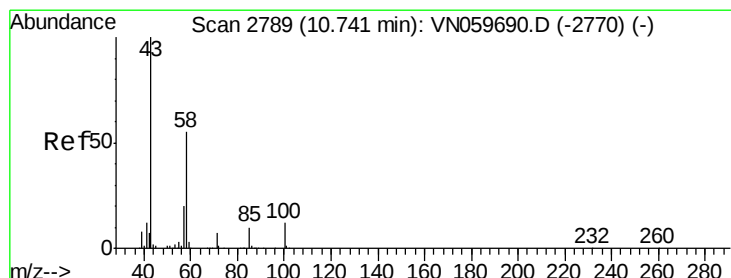
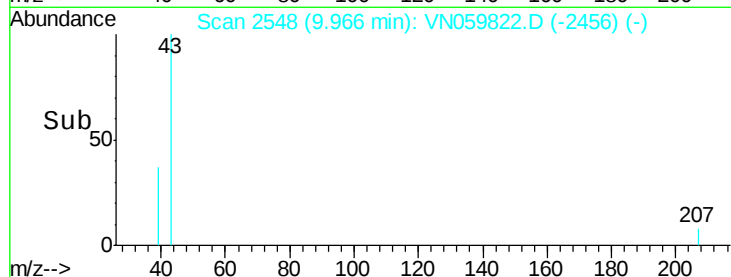
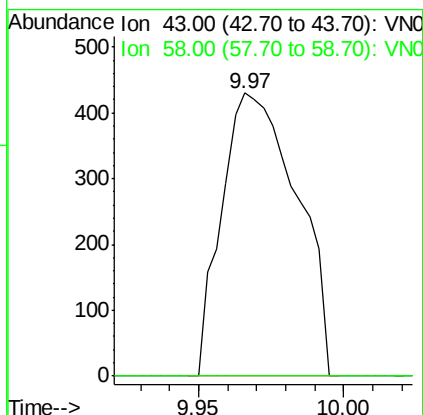
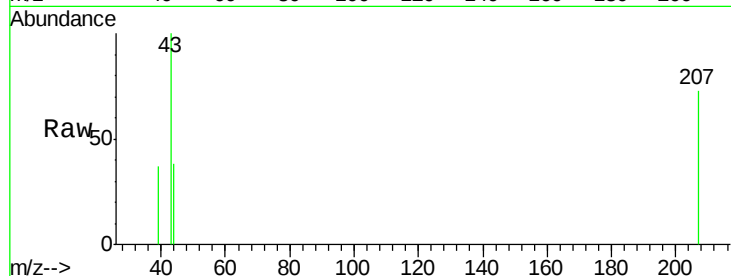




#51
4-Methyl-2-Pentanone
Concen: 0.30 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN059822.D
Acq: 22 Jan 2020 11:03

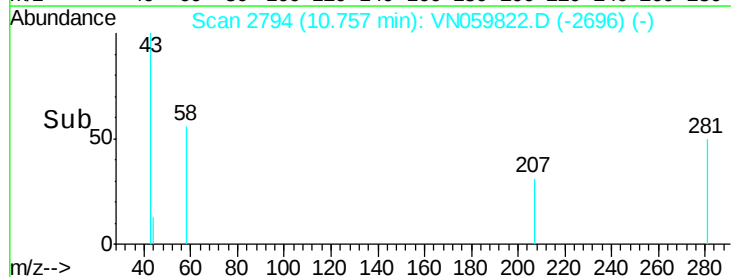
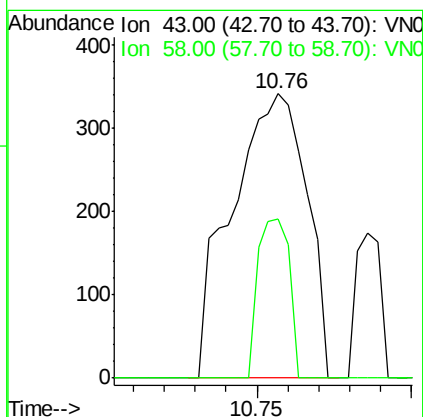
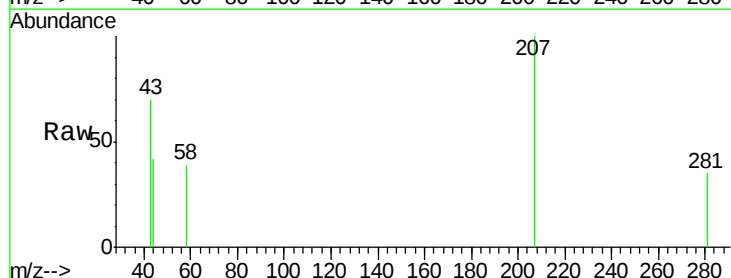
Instrument :
MSVOA_N
ClientSampleId :
VN0122MBL01

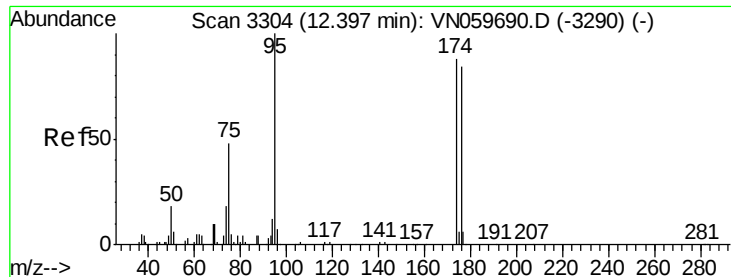
Tgt Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.8#



#59
2-Hexanone
Concen: 0.31 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.02 min
Lab File: VN059822.D
Acq: 22 Jan 2020 11:03

Tgt Ion: 43 Resp: 572
Ion Ratio Lower Upper
43 100
58 23.4 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 46.50 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059822.D

Acq: 22 Jan 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBL01

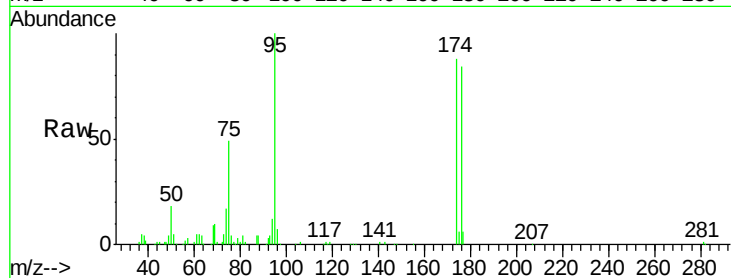
Tgt Ion: 95 Resp: 121246

Ion Ratio Lower Upper

95 100

174 88.2 0.0 151.4

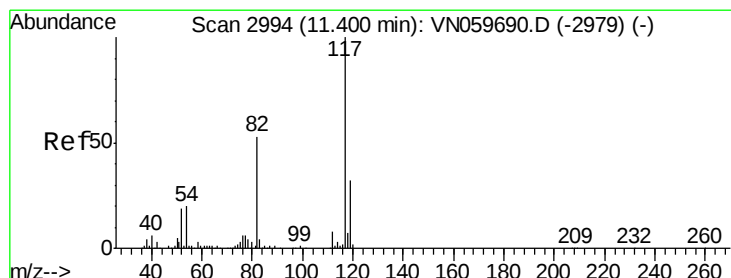
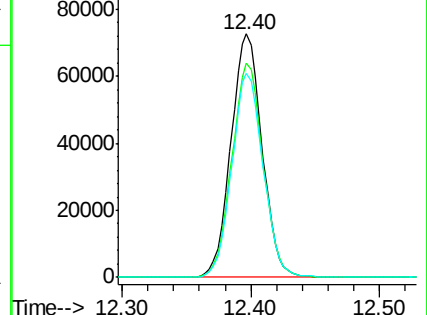
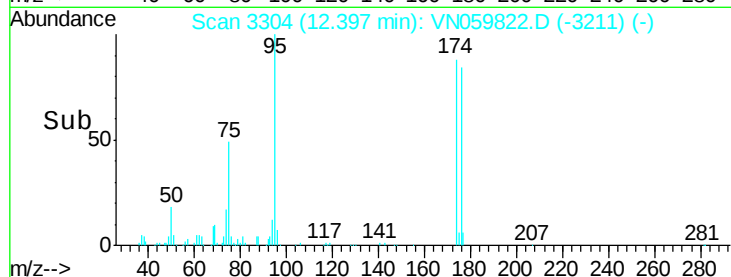
176 84.3 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059822.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN059822.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN059822.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059822.D

Acq: 22 Jan 2020 11:03

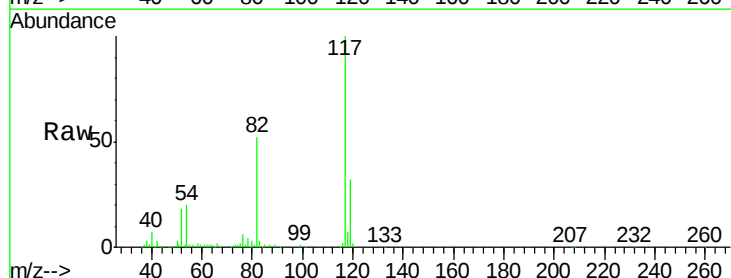
Tgt Ion: 117 Resp: 273929

Ion Ratio Lower Upper

117 100

82 52.4 45.9 68.9

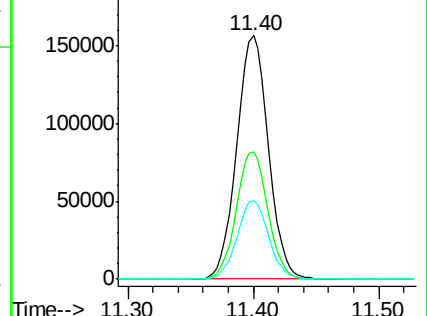
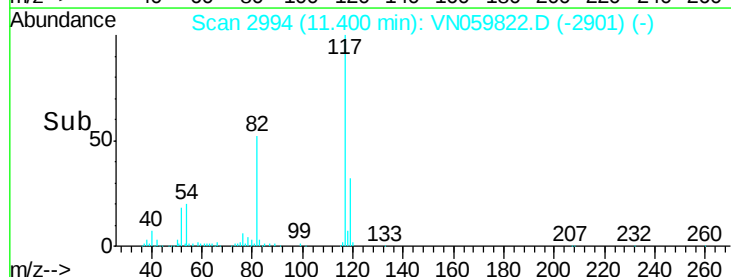
119 32.5 25.5 38.3

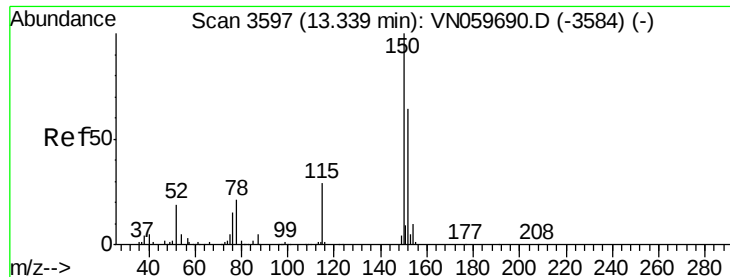


Abundance Ion 116.90 (116.60 to 117.60): VN059822.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN059822.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN059822.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059822.D

Acq: 22 Jan 2020 11:03

Instrument :

MSVOA_N

ClientSampled :

VN0122MBL01

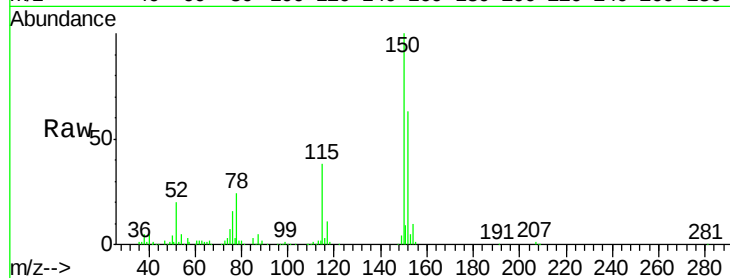
Tgt Ion:152 Resp: 112646

Ion Ratio Lower Upper

152 100

115 58.2 30.3 90.9

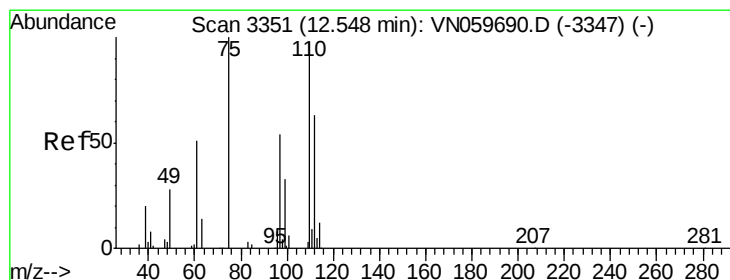
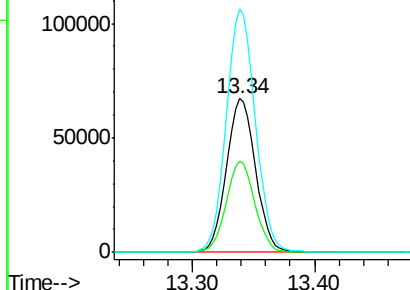
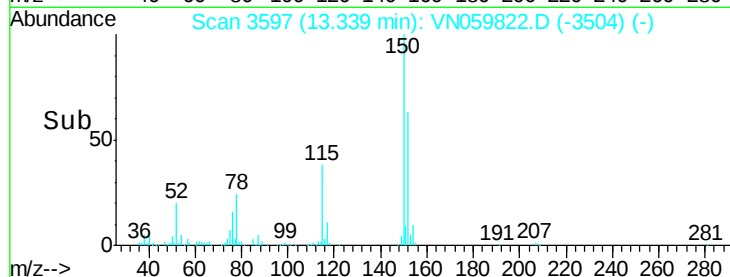
150 158.4 0.0 345.2



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: 32.10 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059822.D

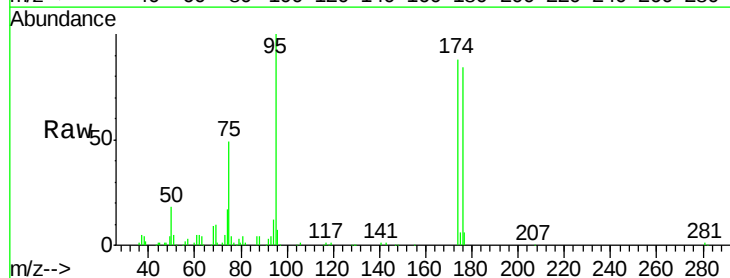
Acq: 22 Jan 2020 11:03

Tgt Ion: 75 Resp: 60856

Ion Ratio Lower Upper

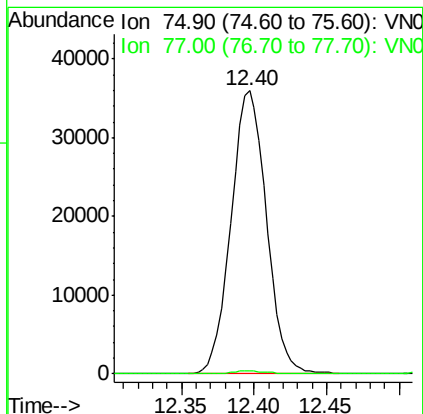
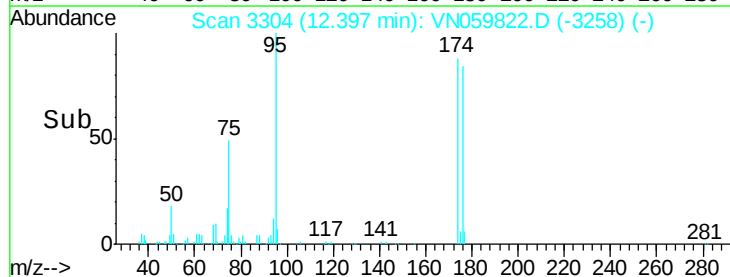
75 100

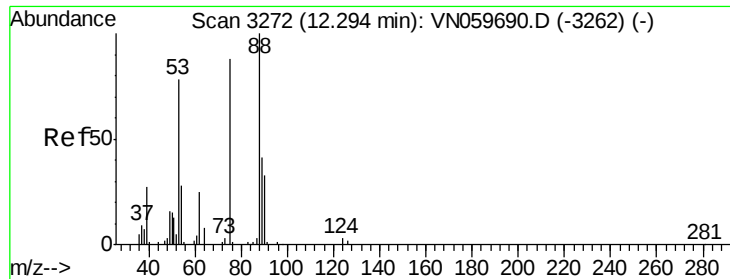
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

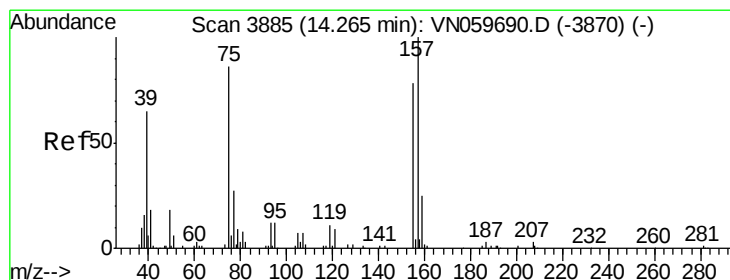
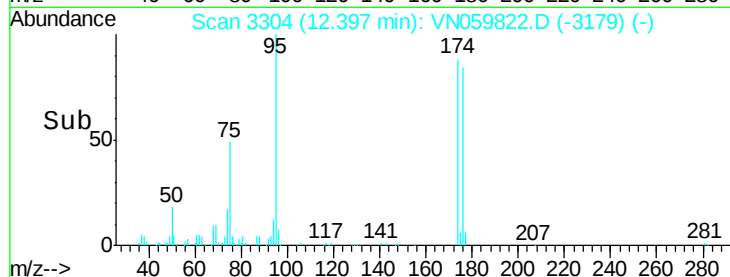
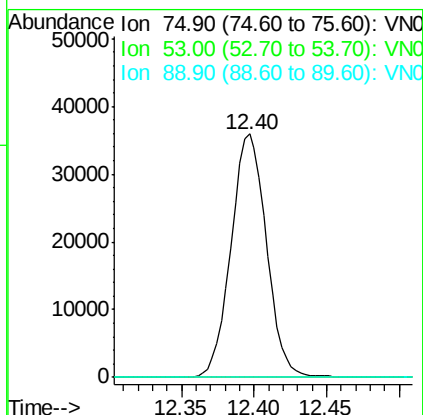
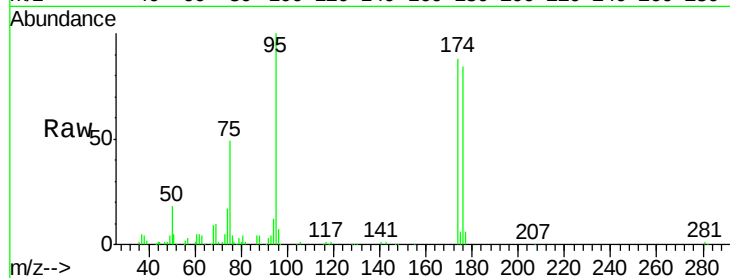




#81
trans-1,4-Dichloro-2-butene
Concen: 68.94 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059822.D
Acq: 22 Jan 2020 11:03

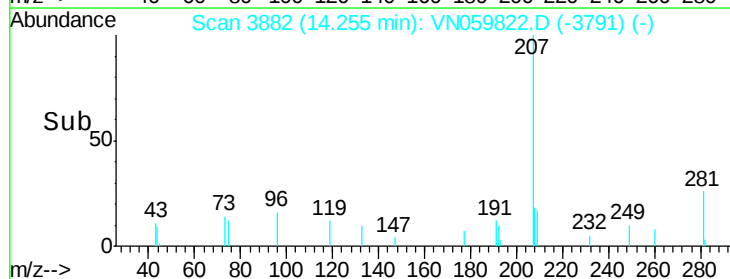
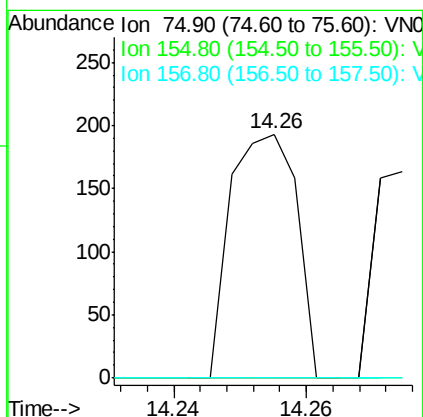
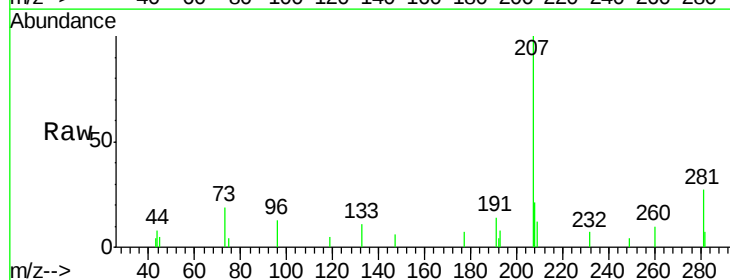
Instrument :
MSVOA_N
ClientSampleId :
VN0122MBL01

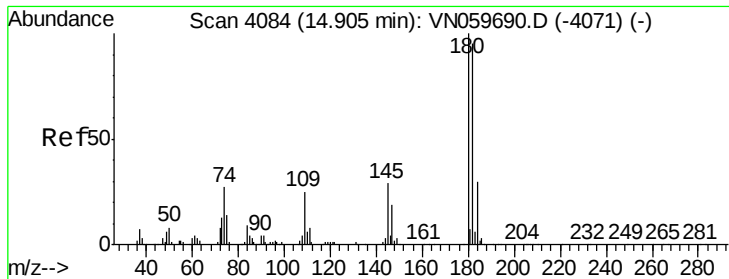
Tgt Ion: 75 Resp: 60856
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.26 min Scan# 3882
Delta R.T. -0.01 min
Lab File: VN059822.D
Acq: 22 Jan 2020 11:03

Tgt Ion: 75 Resp: 135
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#

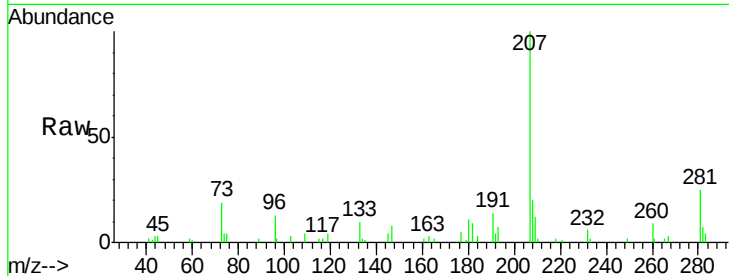




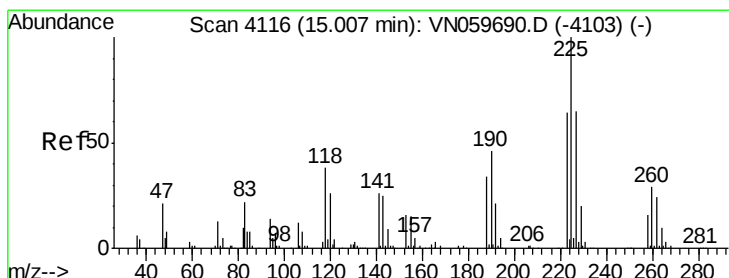
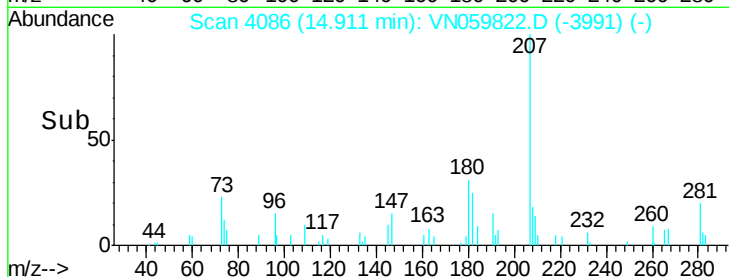
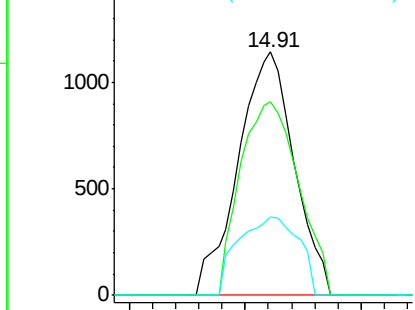
#93
 1,2,4-Trichlorobenzene
 Concen: 0.89 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN059822.D
 Acq: 22 Jan 2020 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBL01

Tgt Ion:180 Resp: 1923
 Ion Ratio Lower Upper
 180 100
 182 82.6 46.9 140.7
 145 34.7 15.0 45.1

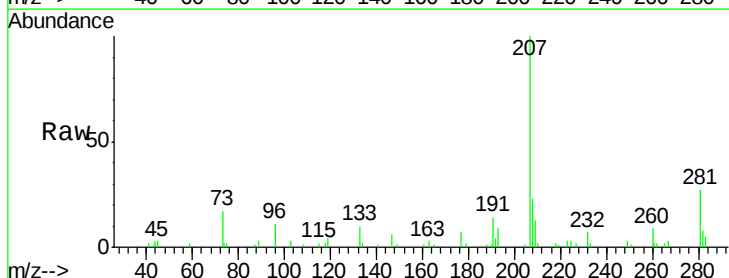


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

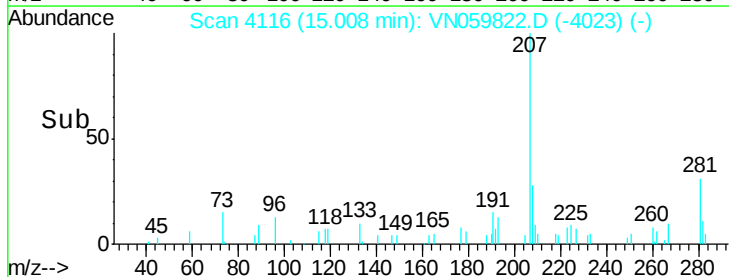
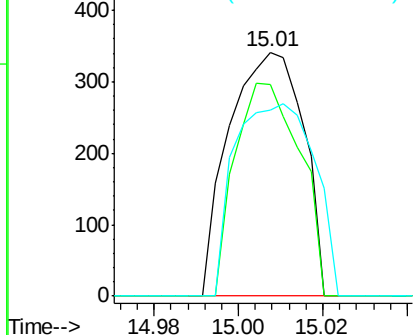


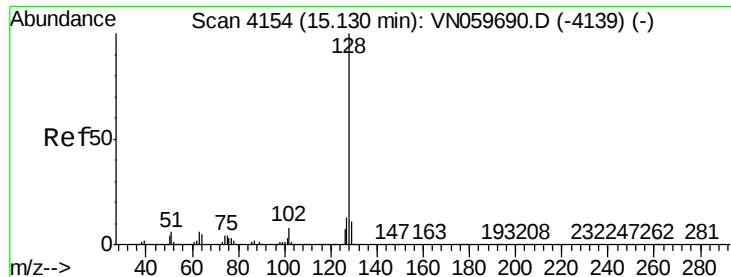
#94
 Hexachlorobutadiene
 Concen: 0.35 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059822.D
 Acq: 22 Jan 2020 11:03

Tgt Ion:225 Resp: 415
 Ion Ratio Lower Upper
 225 100
 223 76.1 31.8 95.3
 227 85.1 32.1 96.5



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: 1.23 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059822.D

Acq: 22 Jan 2020 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBL01

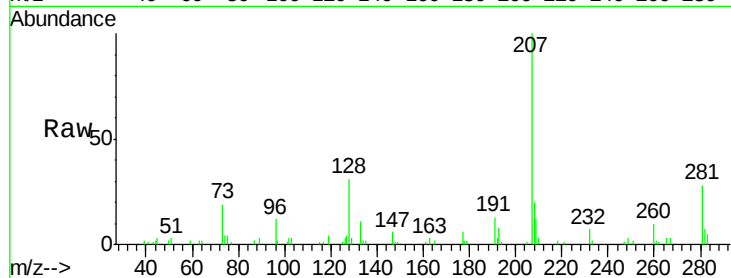
Tgt Ion:128 Resp: 7525

Ion Ratio Lower Upper

128 100

127 11.3 10.4 15.6

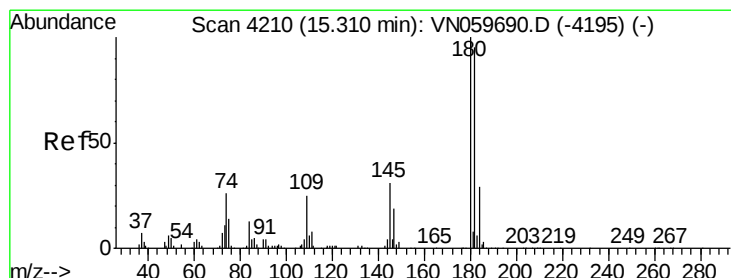
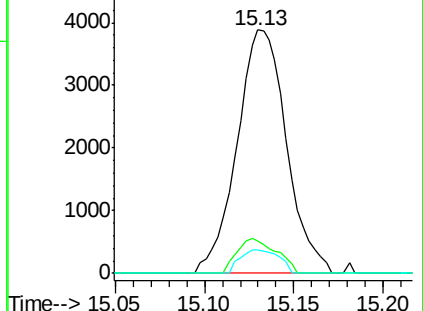
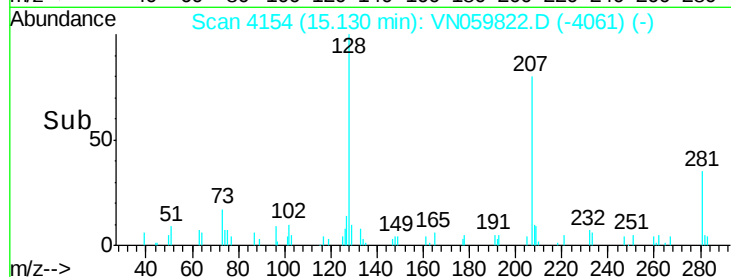
129 7.5 8.6 12.8#



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: 1.60 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059822.D

Acq: 22 Jan 2020 11:03

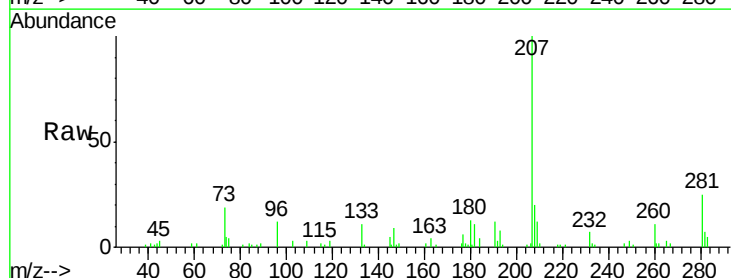
Tgt Ion:180 Resp: 3356

Ion Ratio Lower Upper

180 100

182 78.6 47.4 142.3

145 34.6 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

