

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011520\
 Data File : VN059710.D
 Acq On : 15 Jan 2020 10:30
 Operator : JC/MD
 Sample : VN0115WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBL01

Quant Time: Jan 16 03:40:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	291099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	243849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	99630	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	101013	46.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.38%	
35) Dibromofluoromethane	7.56	113	88767	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
50) Toluene-d8	10.08	98	328858	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.40	95	110048	45.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.78%	

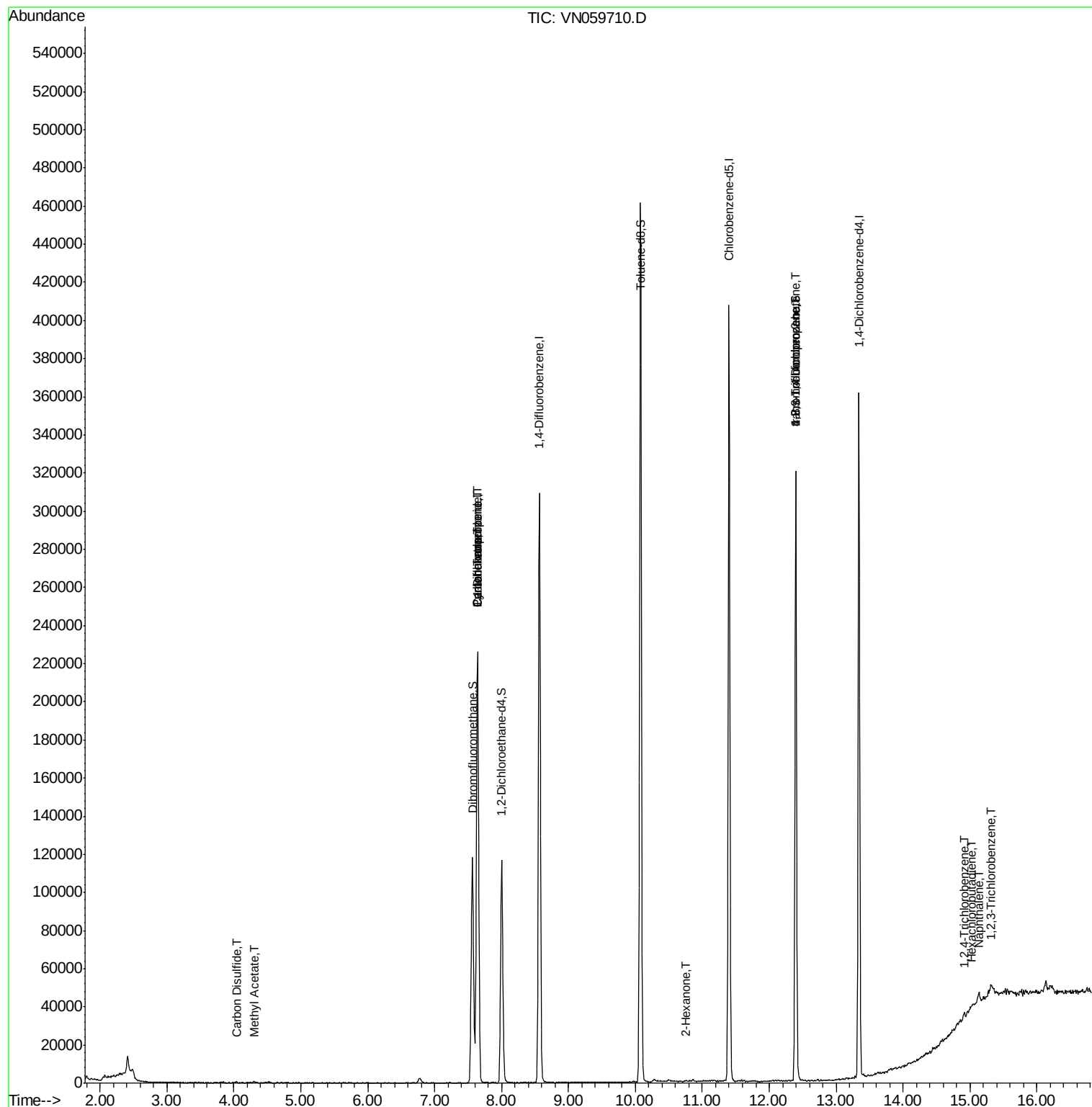
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	289	Below Cal	#	45
17) Carbon Disulfide	4.03	76	1057	0.206	ug/l #	75
18) Methyl Acetate	4.30	43	981	0.384	ug/l #	54
20) Methylene Chloride	4.51	84	218	Below Cal	#	54
31) Cyclohexane	7.64	56	3638	1.124	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13462	5.310	ug/l #	50
38) Carbon Tetrachloride	7.64	117	17514	6.351	ug/l #	15
59) 2-Hexanone	10.75	43	416	0.239	ug/l #	26
76) 1,2,3-Trichloropropane	12.40	75	54284	32.376	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	54284	69.528	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	150	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	1071	0.561	ug/l	88
94) Hexachlorobutadiene	15.01	225	305	0.290	ug/l	82
95) Naphthalene	15.13	128	4104	0.756	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	1934	1.041	ug/l	95

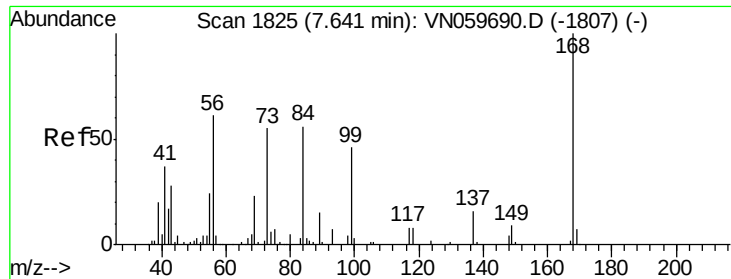
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059710.D

Acq: 15 Jan 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

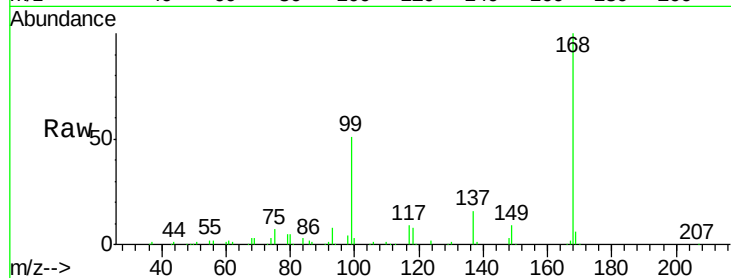
VN0115WBL01

Tgt Ion:168 Resp: 196923

Ion Ratio Lower Upper

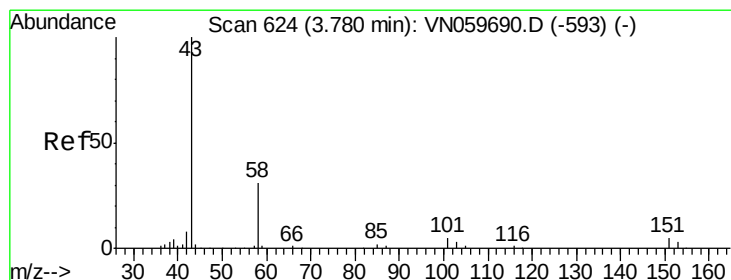
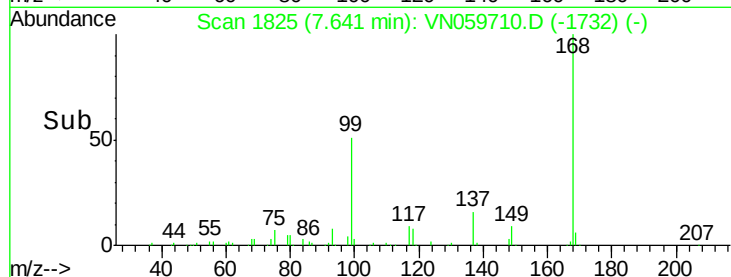
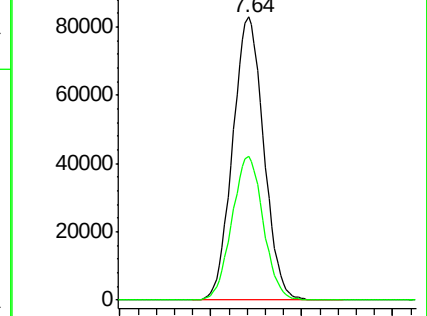
168 100

99 50.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059710.D

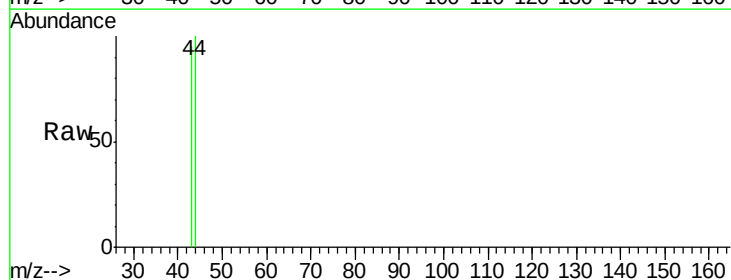
Acq: 15 Jan 2020 10:30

Tgt Ion: 43 Resp: 289

Ion Ratio Lower Upper

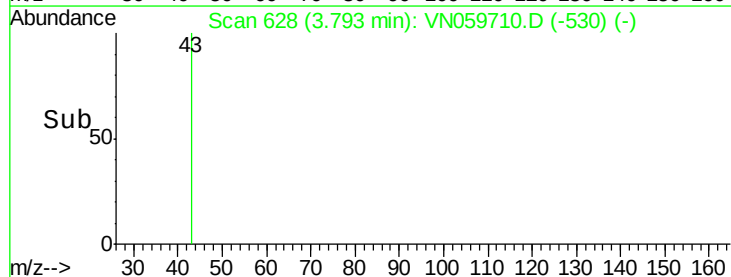
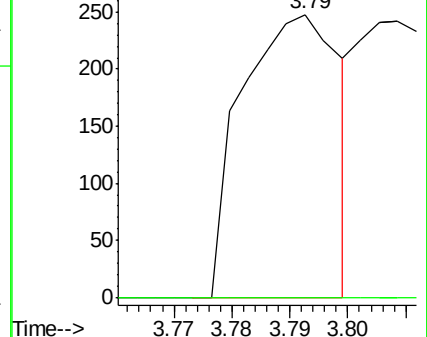
43 100

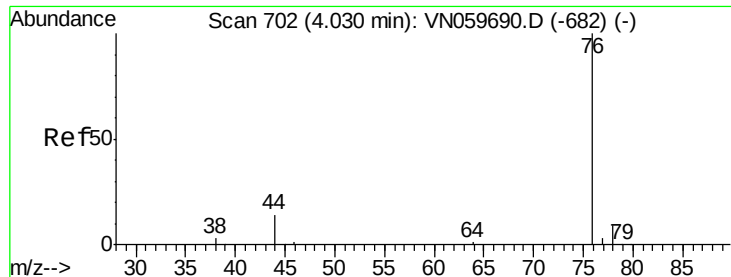
58 0.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#17

Carbon Disulfide

Concen: 0.206 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059710.D

Acq: 15 Jan 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

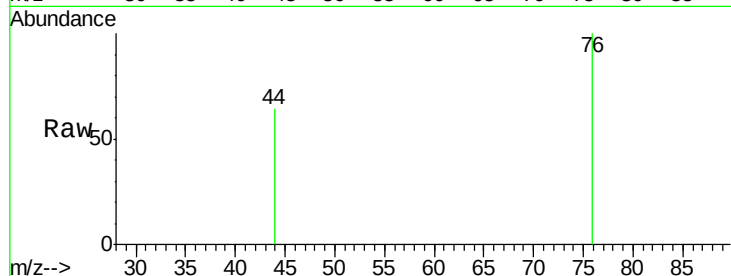
VN0115WBL01

Tgt Ion: 76 Resp: 1057

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

400

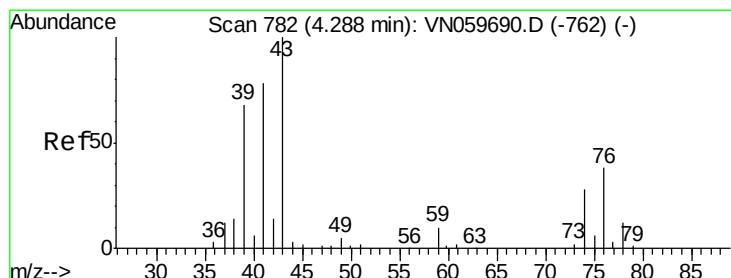
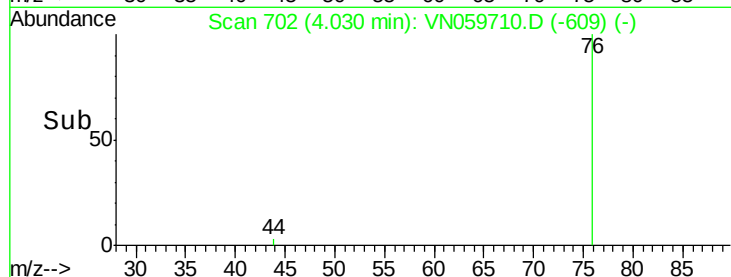
300

200

100

0

Time-->



#18

Methyl Acetate

Concen: 0.384 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.02 min

Lab File: VN059710.D

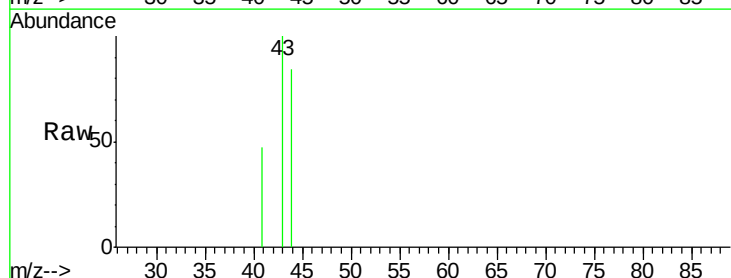
Acq: 15 Jan 2020 10:30

Tgt Ion: 43 Resp: 981

Ion Ratio Lower Upper

43 100

74 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

400

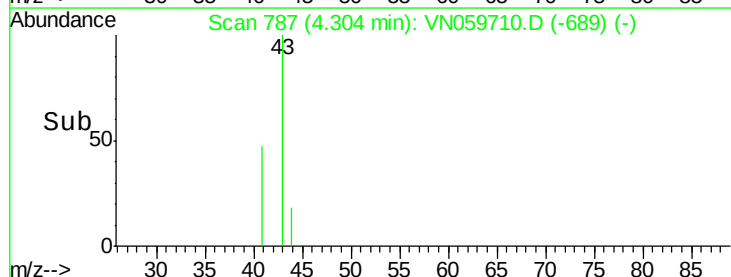
300

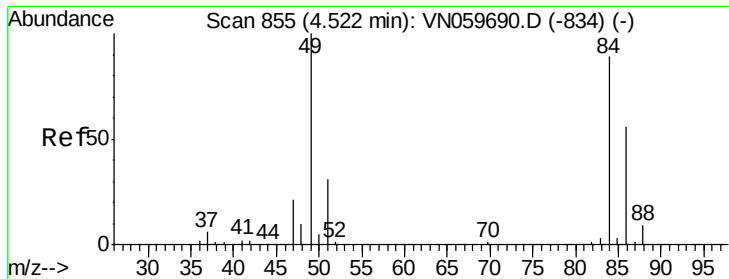
200

100

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.51 min Scan# 851

Delta R.T. -0.01 min

Lab File: VN059710.D

Acq: 15 Jan 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBL01

Tgt Ion: 84 Resp: 218

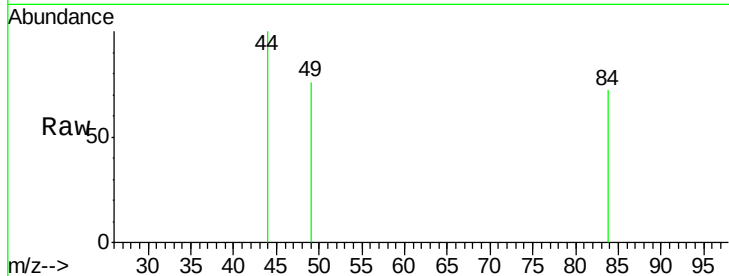
Ion Ratio Lower Upper

84 100

49 105.8 106.6 160.0#

51 0.0 31.9 47.9#

86 0.0 50.8 76.2#

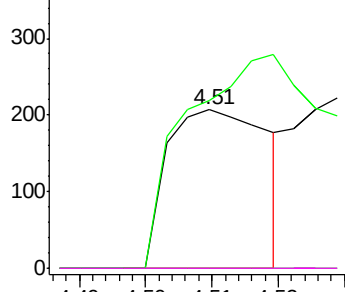


Abundance Ion 83.90 (83.60 to 84.60): VN0

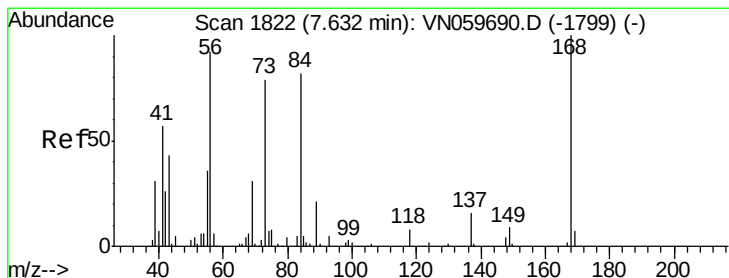
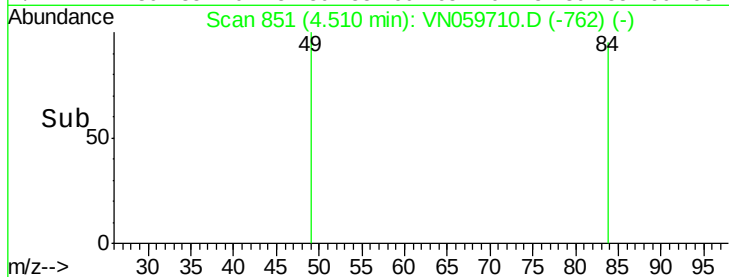
Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



Time-->



#31

Cyclohexane

Concen: 1.124 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059710.D

Acq: 15 Jan 2020 10:30

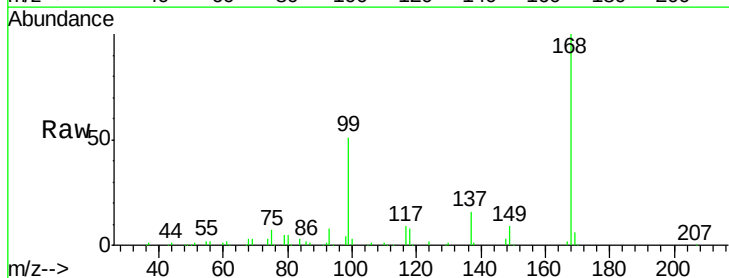
Tgt Ion: 56 Resp: 3638

Ion Ratio Lower Upper

56 100

69 170.2 26.5 39.7#

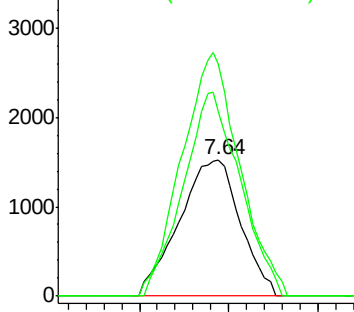
84 135.8 65.3 97.9#



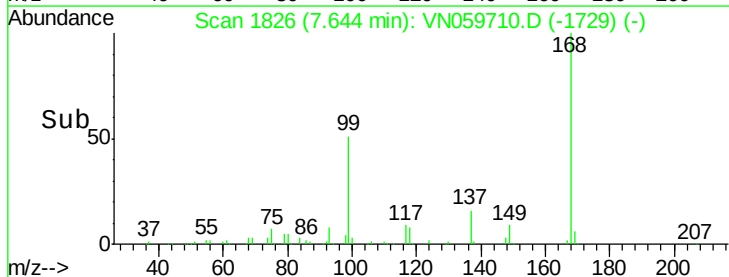
Abundance Ion 56.00 (55.70 to 56.70): VN0

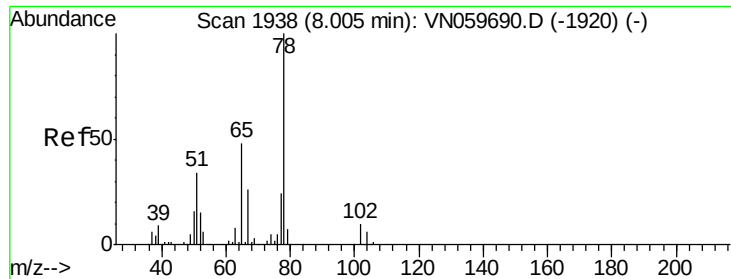
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->

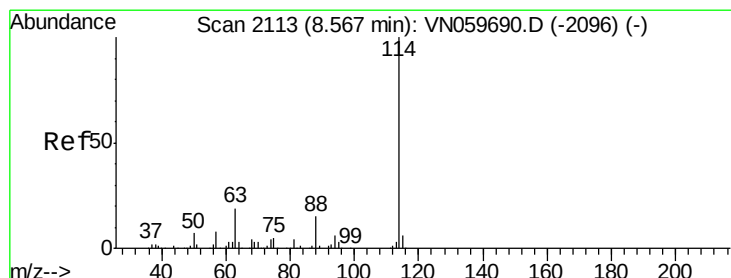
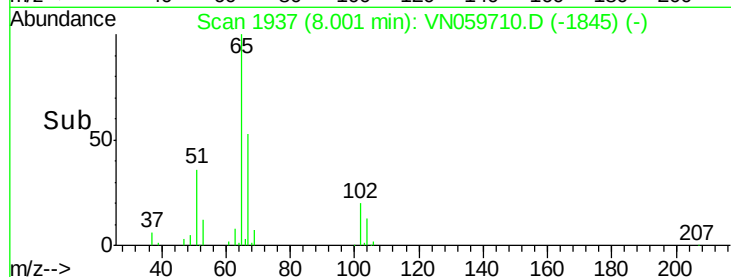
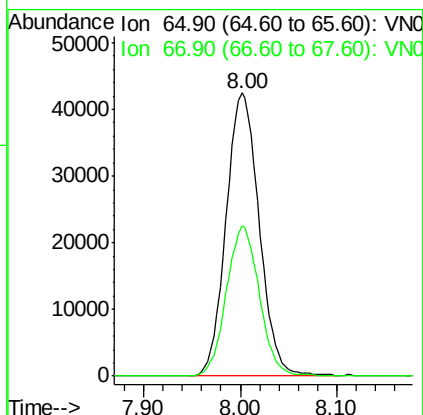
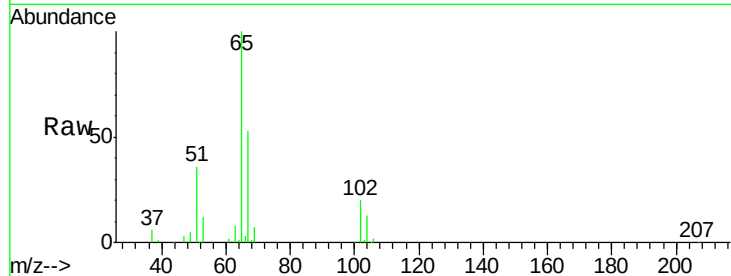




#33
 1,2-Dichloroethane-d4
 Concen: 46.190 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059710.D
 Acq: 15 Jan 2020 10:30

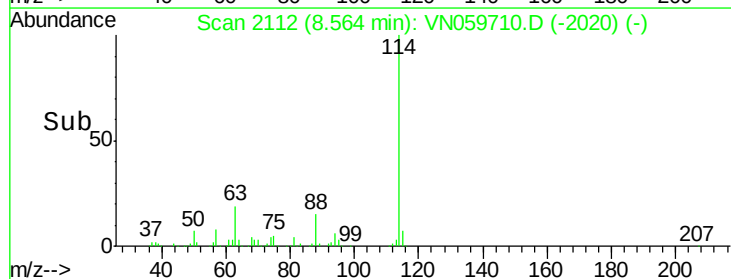
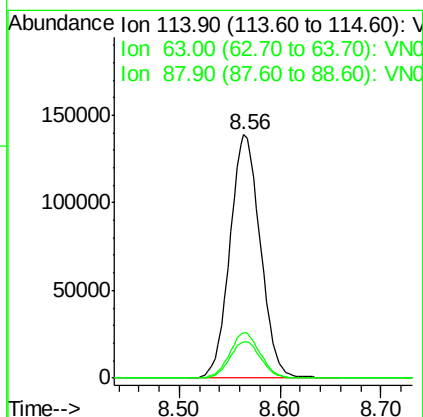
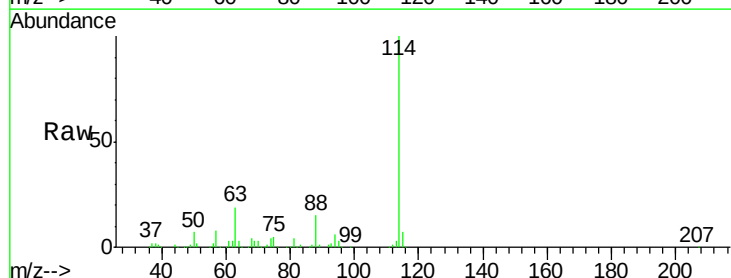
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBL01

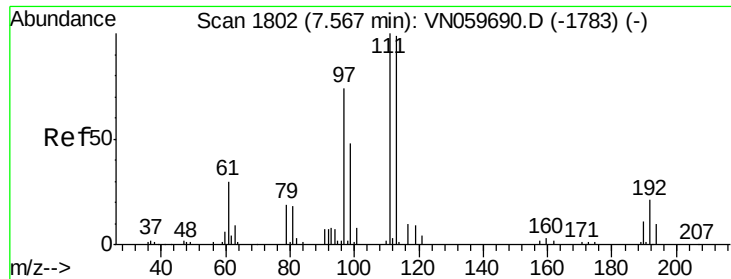
Tgt Ion: 65 Resp: 101013
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059710.D
 Acq: 15 Jan 2020 10:30

Tgt Ion: 114 Resp: 291099
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 43.6
 88 15.1 0.0 31.4

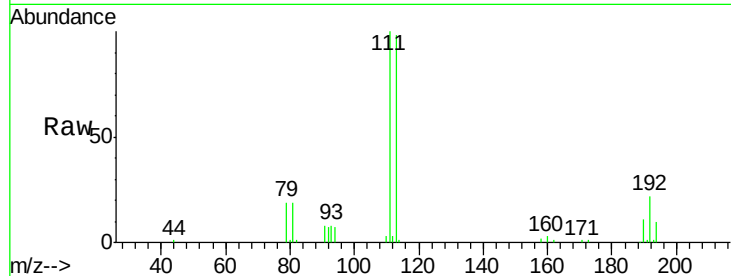




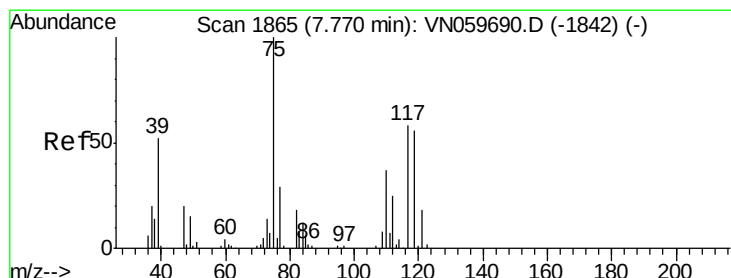
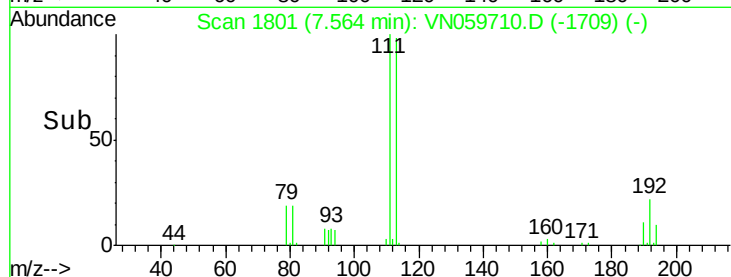
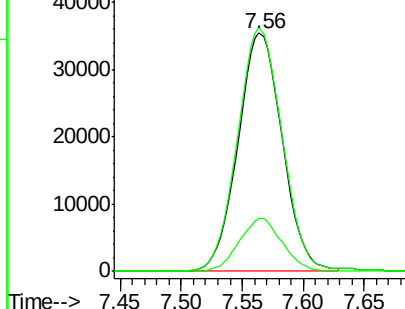
#35
 Dibromofluoromethane
 Concen: 51.135 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059710.D
 Acq: 15 Jan 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBL01

Tgt Ion:113 Resp: 88767
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.5 125.3
 192 21.5 15.4 23.2

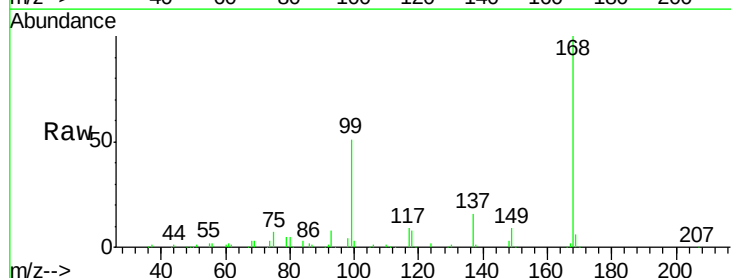


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

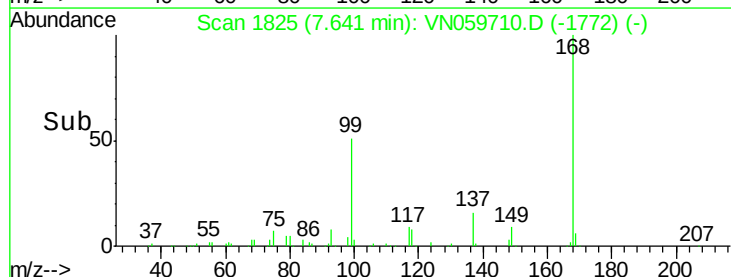
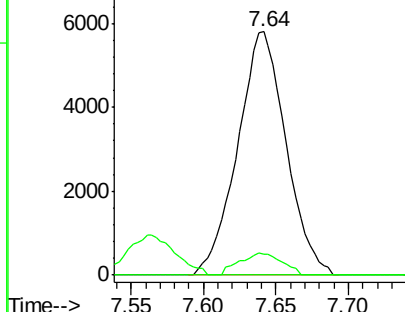


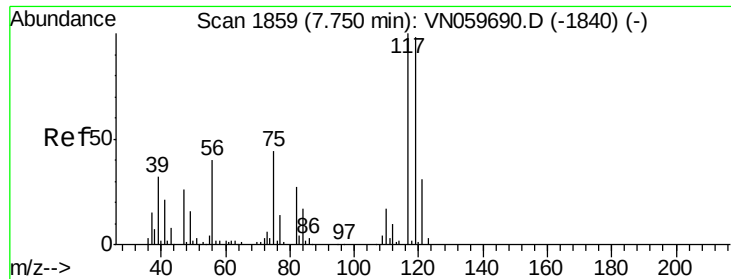
#36
 1,1-Dichloropropene
 Concen: 5.310 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059710.D
 Acq: 15 Jan 2020 10:30

Tgt Ion: 75 Resp: 13462
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.6 49.7#
 77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.351 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059710.D

Acq: 15 Jan 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBL01

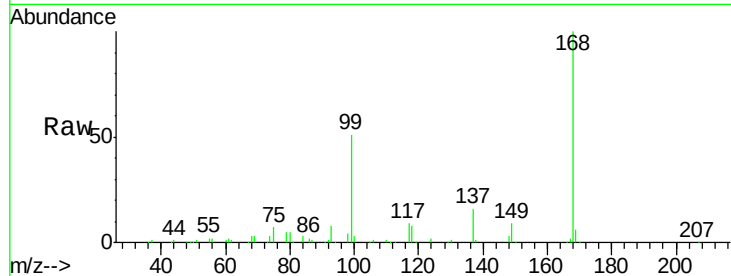
Tgt Ion:117 Resp: 17514

Ion Ratio Lower Upper

117 100

119 4.3 76.5 114.7#

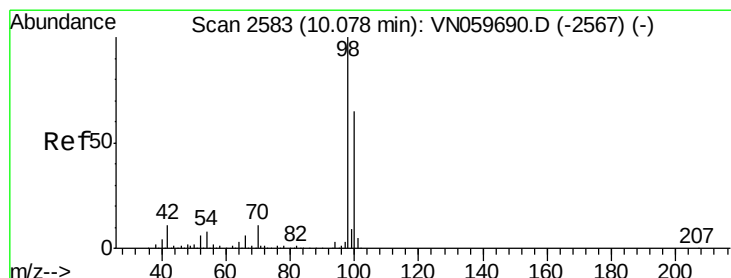
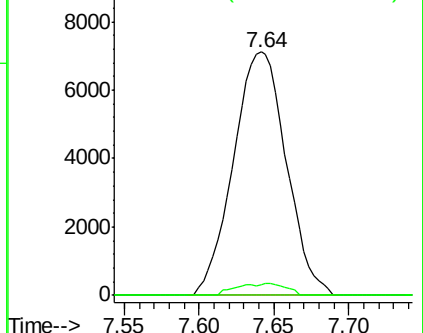
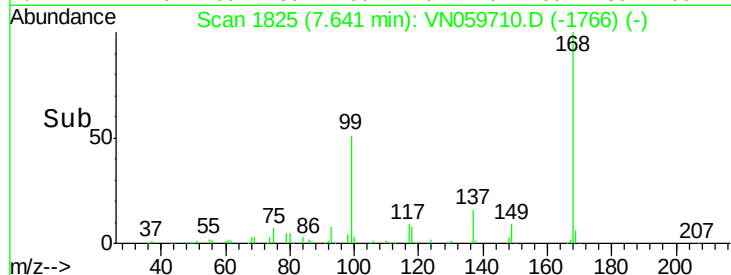
121 0.0 25.1 37.7#



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: 48.894 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059710.D

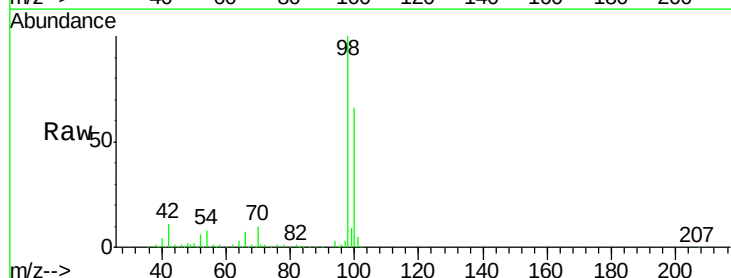
Acq: 15 Jan 2020 10:30

Tgt Ion: 98 Resp: 328858

Ion Ratio Lower Upper

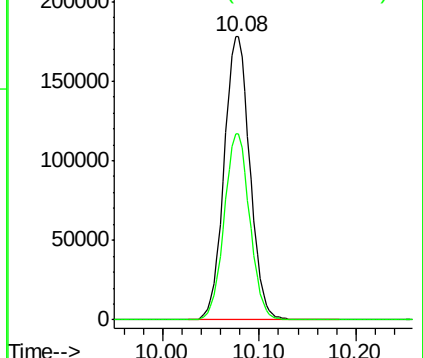
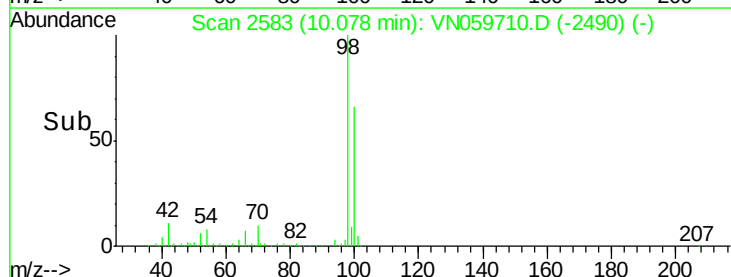
98 100

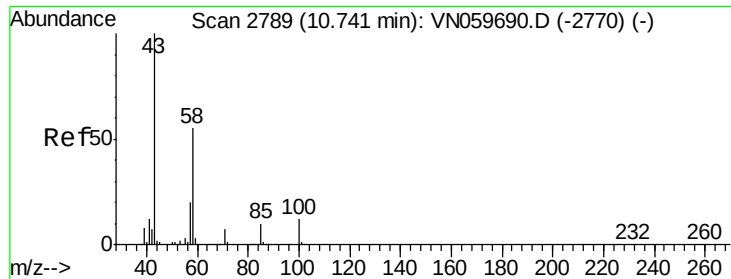
100 65.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

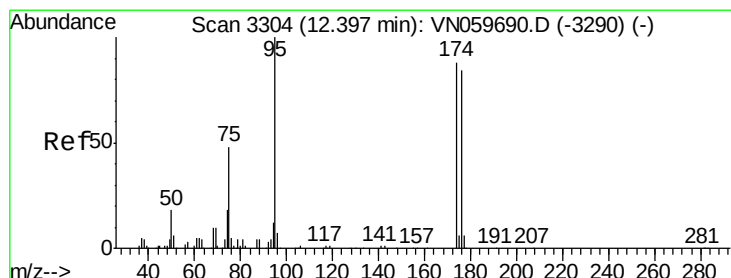
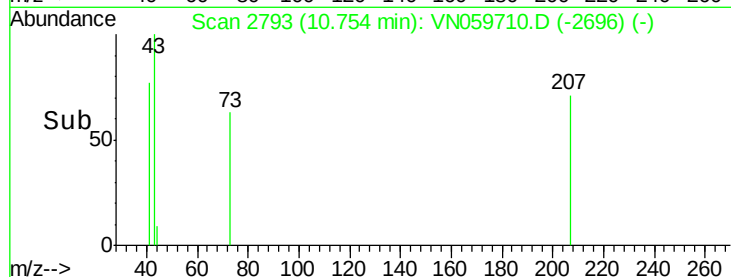
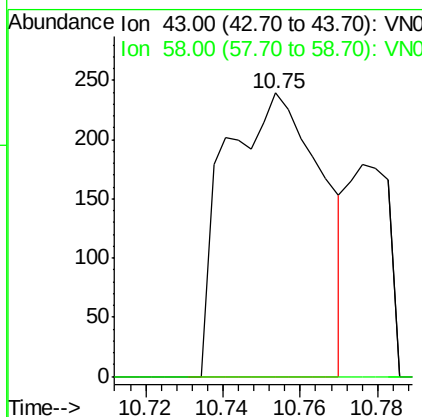
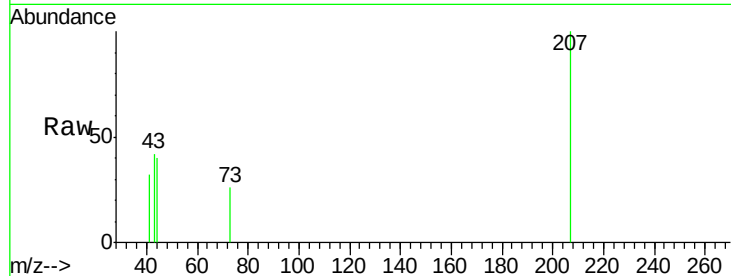




#59
2-Hexanone
Concen: 0.239 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059710.D
Acq: 15 Jan 2020 10:30

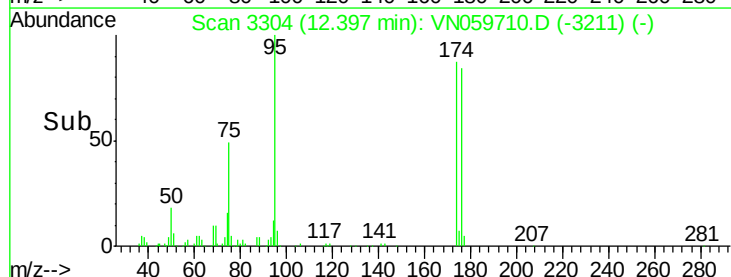
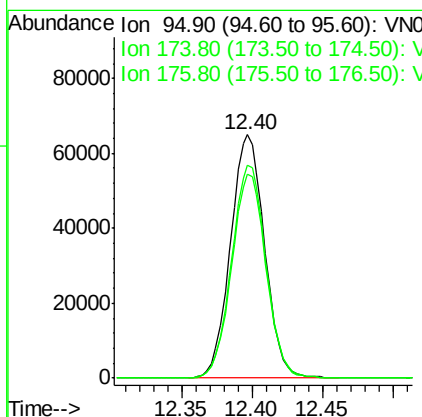
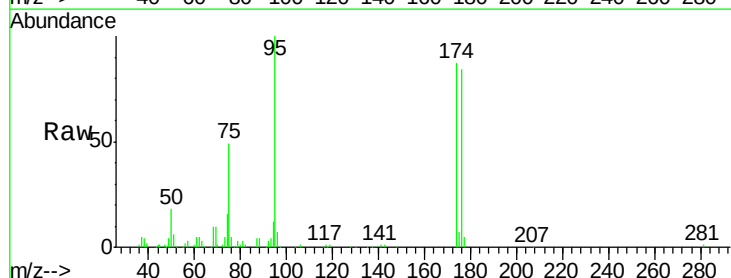
Instrument :
MSVOA_N
ClientSampled :
VN0115WBL01

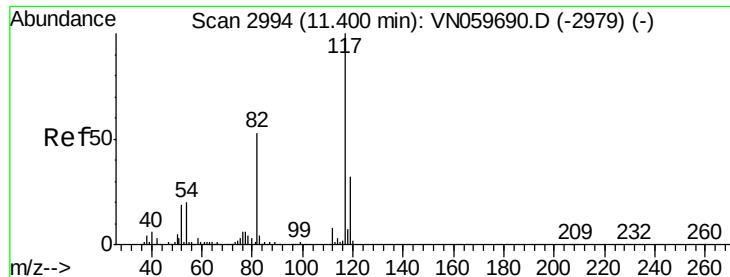
Tgt Ion: 43 Resp: 416
Ion Ratio Lower Upper
43 100
58 0.0 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 45.386 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059710.D
Acq: 15 Jan 2020 10:30

Tgt Ion: 95 Resp: 110048
Ion Ratio Lower Upper
95 100
174 88.5 0.0 151.4
176 84.7 0.0 146.0

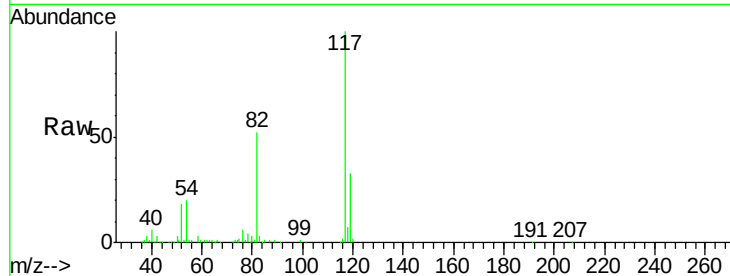




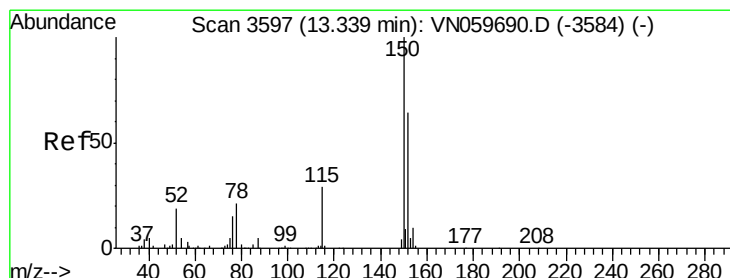
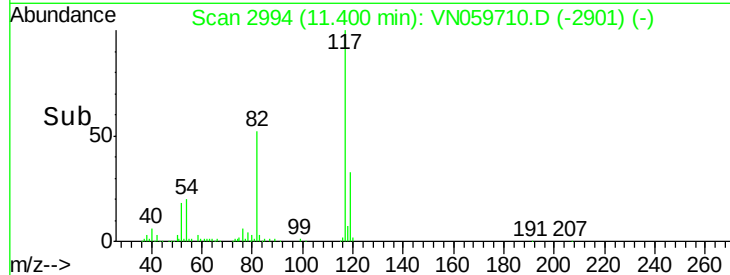
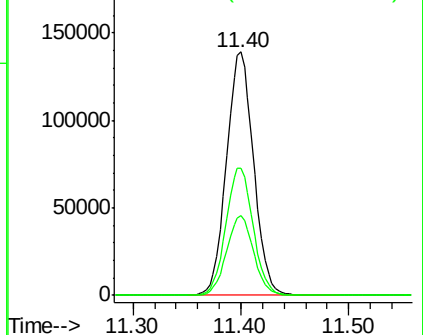
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059710.D
Acq: 15 Jan 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBL01

Tgt Ion:117 Resp: 243849
Ion Ratio Lower Upper
117 100
82 52.2 45.9 68.9
119 32.7 25.5 38.3

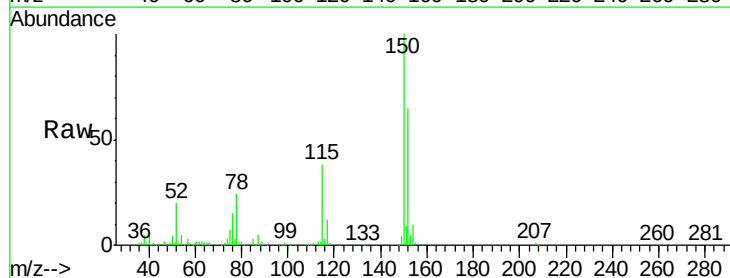


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

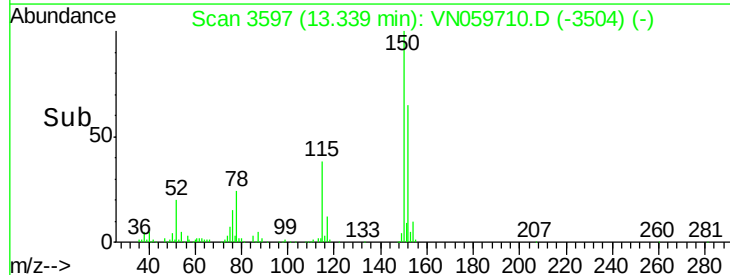
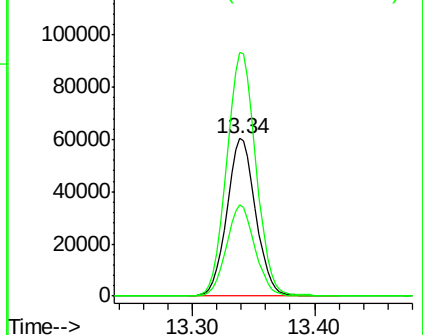


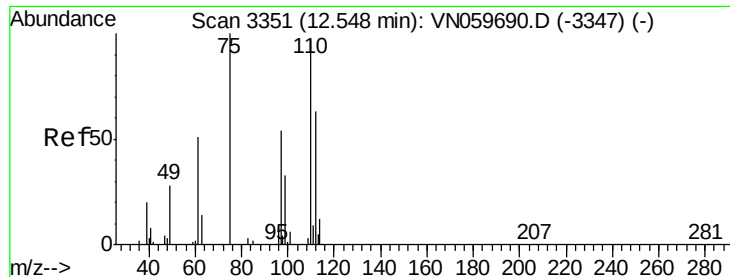
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059710.D
Acq: 15 Jan 2020 10:30

Tgt Ion:152 Resp: 99630
Ion Ratio Lower Upper
152 100
115 57.3 30.3 90.9
150 157.5 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: 32.376 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059710.D

Acq: 15 Jan 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

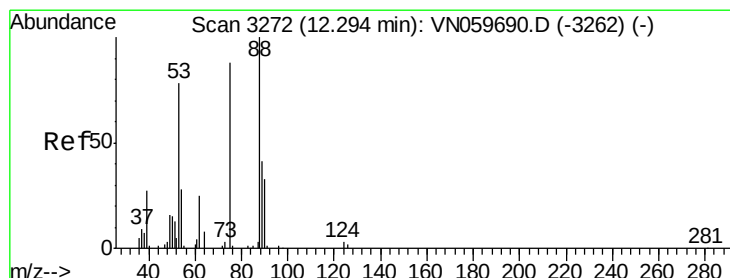
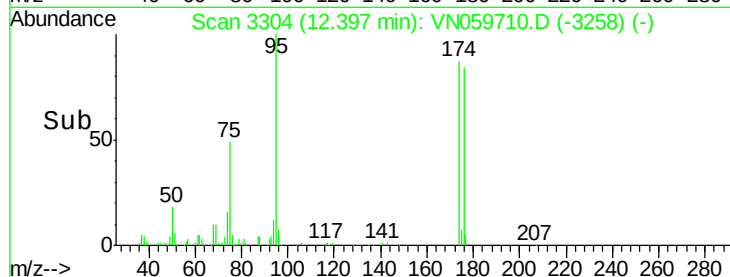
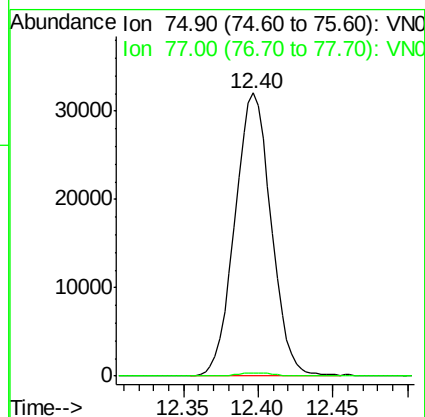
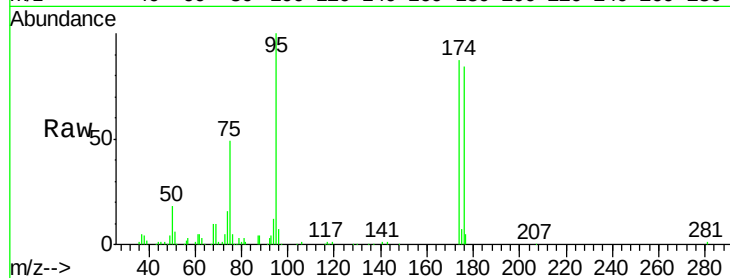
VN0115WBL01

Tgt Ion: 75 Resp: 54284

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.528 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059710.D

Acq: 15 Jan 2020 10:30

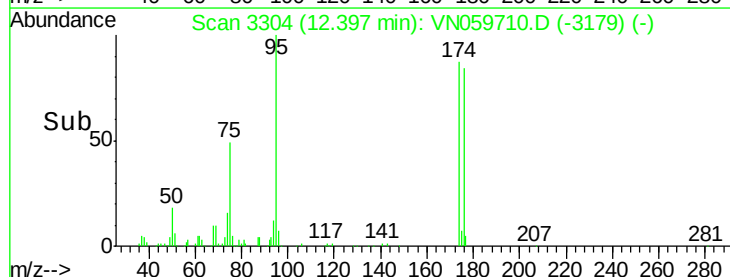
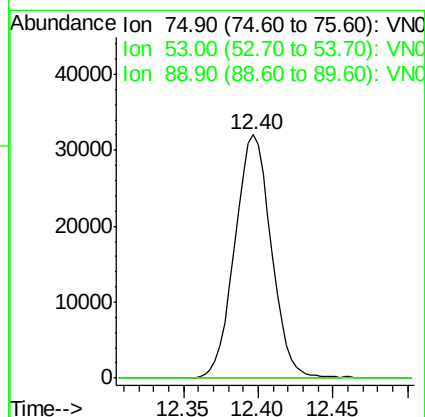
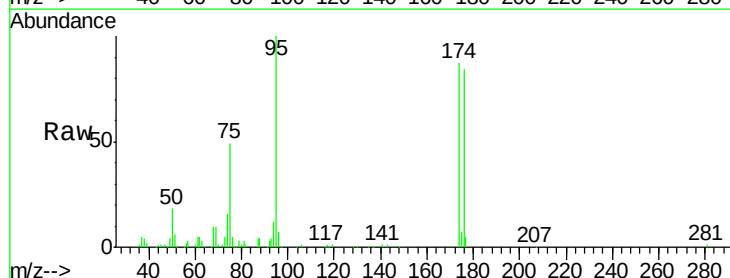
Tgt Ion: 75 Resp: 54284

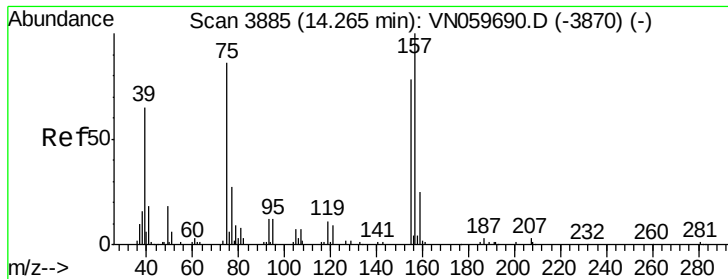
Ion Ratio Lower Upper

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# 3885

Delta R.T. 0.00 min

Lab File: VN059710.D

Acq: 15 Jan 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBL01

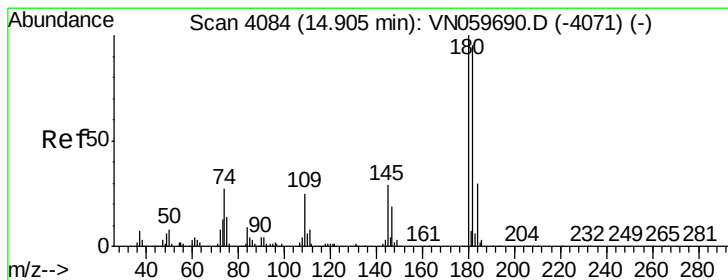
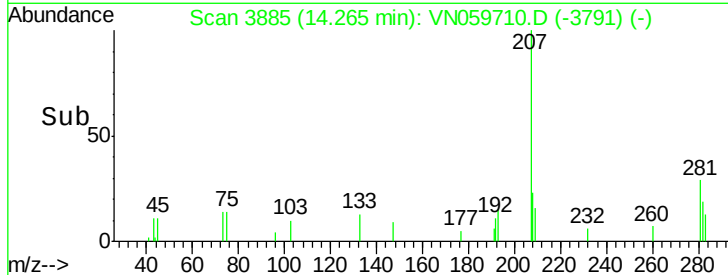
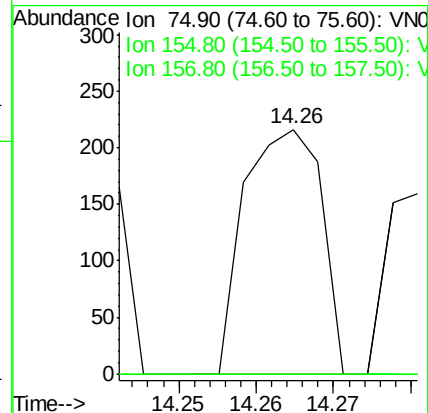
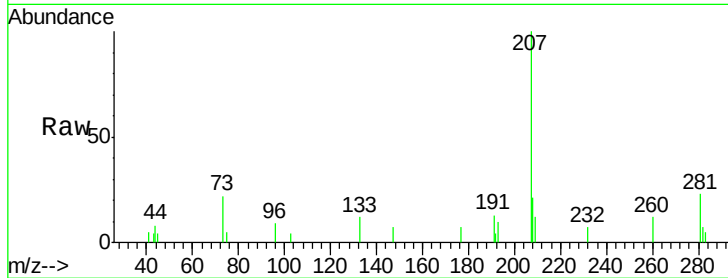
Tgt Ion: 75 Resp: 150

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: 0.561 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN059710.D

Acq: 15 Jan 2020 10:30

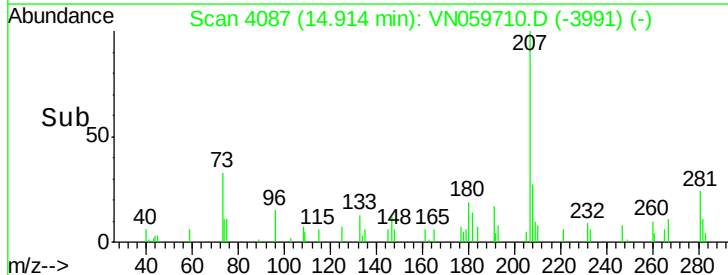
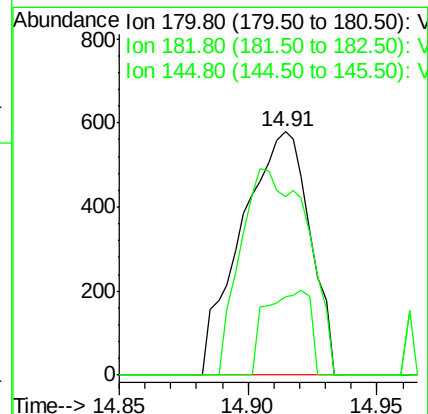
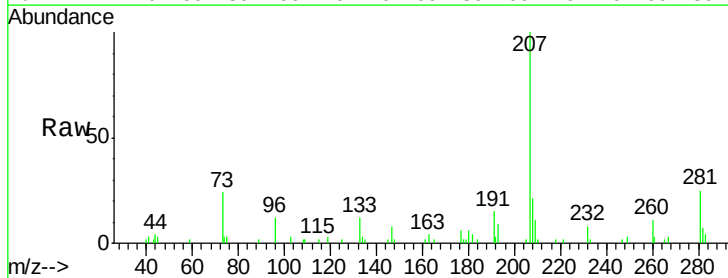
Tgt Ion: 180 Resp: 1071

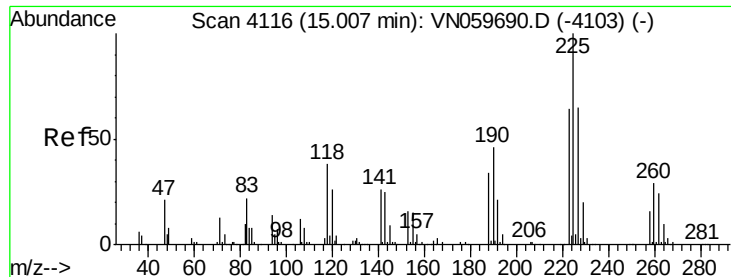
Ion Ratio Lower Upper

180 100

182 83.0 46.9 140.7

145 22.9 15.0 45.1





#94

Hexachlorobutadiene

Concen: 0.290 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059710.D

Acq: 15 Jan 2020 10:30

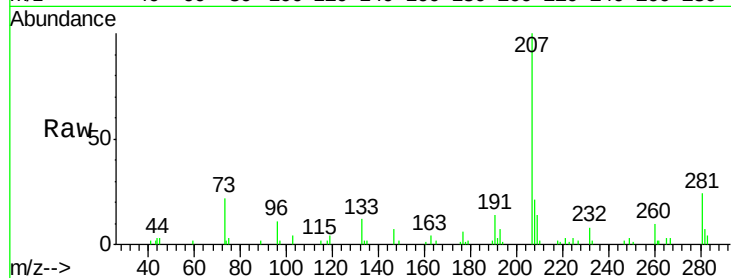
Instrument :

MSVOA_N

ClientSampleId :

VN0115WBL01

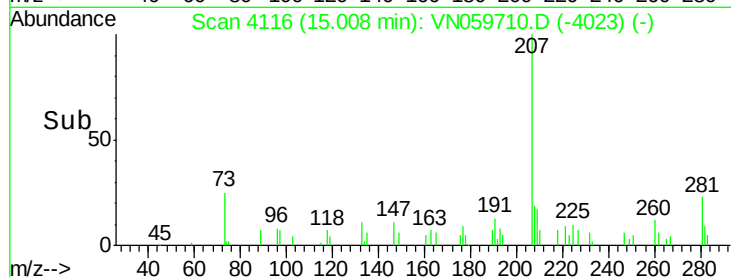
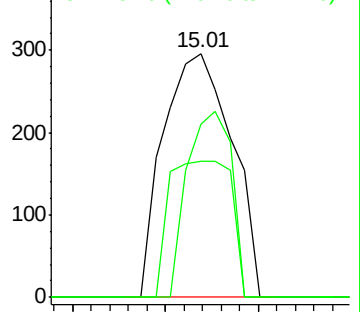
Tgt Ion:	225	Resp:	305
Ion	Ratio	Lower	Upper
225	100		
223	50.5	31.8	95.3
227	49.5	32.1	96.5



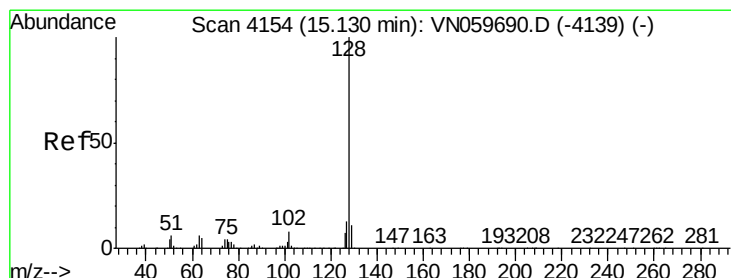
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time--> 14.98 15.00 15.02



#95

Naphthalene

Concen: 0.756 ug/l

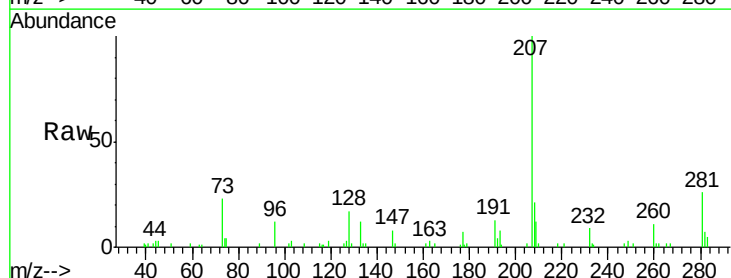
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059710.D

Acq: 15 Jan 2020 10:30

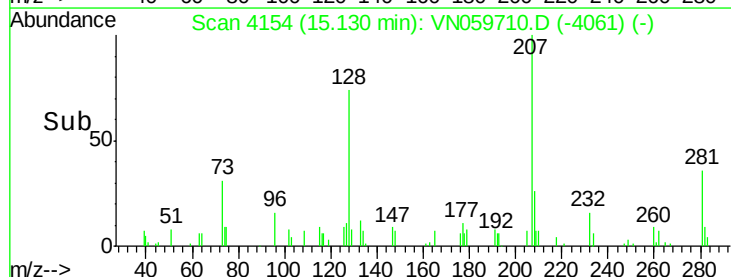
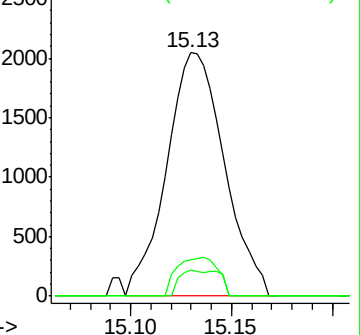
Tgt Ion:	128	Resp:	4104
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.4	15.6
129	7.5	8.6	12.8#



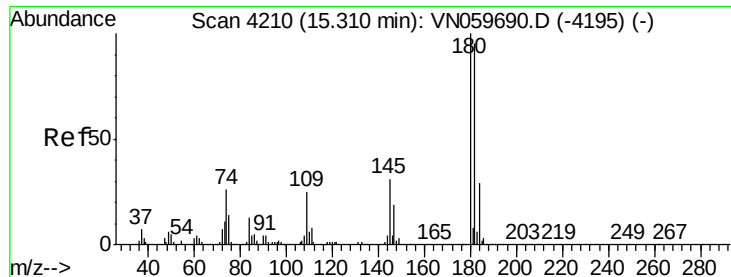
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.10 15.15



#96
 1,2,3-Trichlorobenzene
 Concen: 1.041 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN059710.D
 Acq: 15 Jan 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.8	47.4	142.3
145	31.2	16.3	48.9

