

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN020320\
 Data File : VN059964.D
 Acq On : 3 Feb 2020 10:40
 Operator : JC/MD
 Sample : VN0203MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBL01

Quant Time: Feb 03 11:34:53 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	197834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	303643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	269836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	108291	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	111694	50.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.68%	
35) Dibromofluoromethane	7.56	113	92316	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.96%	
50) Toluene-d8	10.08	98	358907	51.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.40	95	118775	46.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.92%	

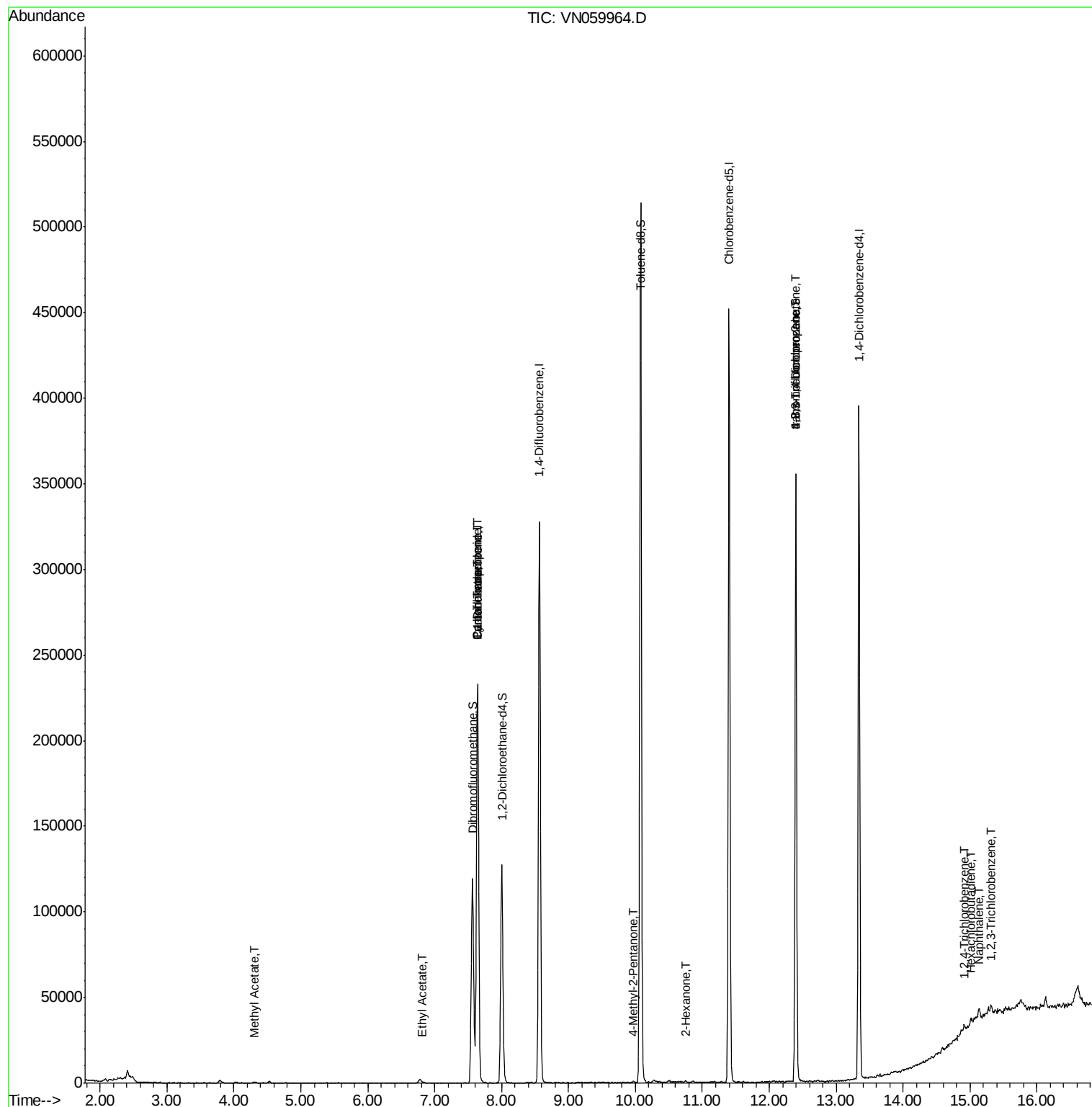
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3120	Below Cal		91
18) Methyl Acetate	4.31	43	823	0.32 ug/l	#	54
20) Methylene Chloride	4.51	84	361	Below Cal	#	63
31) Cyclohexane	7.64	56	3876	1.19 ug/l	#	8
36) 1,1-Dichloropropene	7.64	75	13929	5.27 ug/l	#	50
37) Ethyl Acetate	6.83	43	745	0.30 ug/l	#	69
38) Carbon Tetrachloride	7.64	117	18071	6.28 ug/l	#	16
51) 4-Methyl-2-Pentanone	9.97	43	502	0.20 ug/l	#	81
59) 2-Hexanone	10.75	43	683	0.38 ug/l	#	64
76) 1,2,3-Trichloropropane	12.40	75	59823	32.83 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	59823	70.49 ug/l	#	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	126	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	1435	0.69 ug/l		85
94) Hexachlorobutadiene	15.01	225	453	0.40 ug/l		89
95) Naphthalene	15.13	128	5292	0.90 ug/l		99
96) 1,2,3-Trichlorobenzene	15.31	180	1904	0.94 ug/l		91

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN020320\
Data File : VN059964.D
Acq On : 3 Feb 2020 10:40
Operator : JC/MD
Sample : VN0203MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBL01

Quant Time: Feb 03 11:34:53 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: VN059964.D

Acq: 3 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

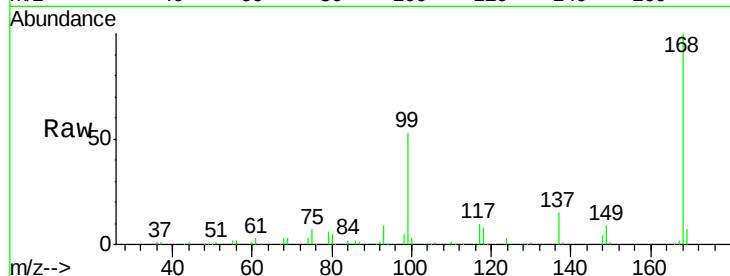
VN0203MBL01

Tgt Ion:168 Resp: 197834

Ion Ratio Lower Upper

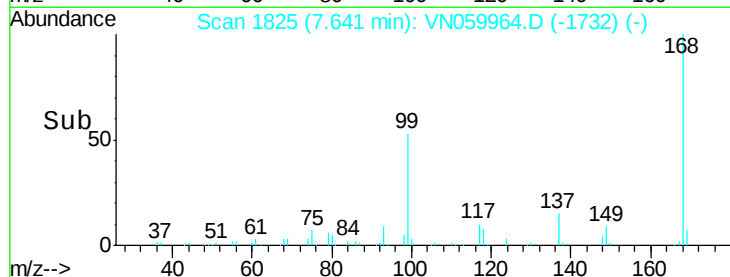
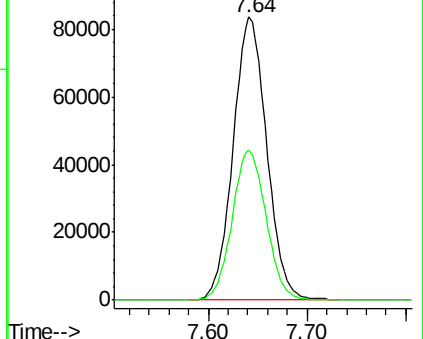
168 100

99 53.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059964.D

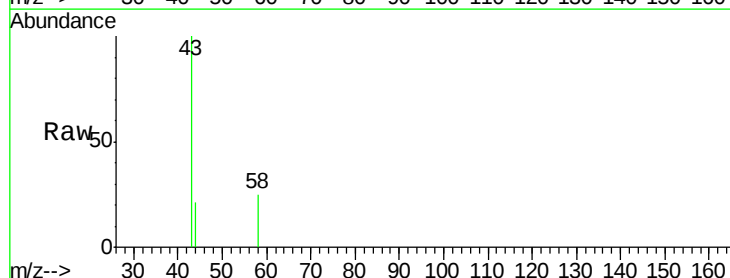
Acq: 3 Feb 2020 10:40

Tgt Ion: 43 Resp: 3120

Ion Ratio Lower Upper

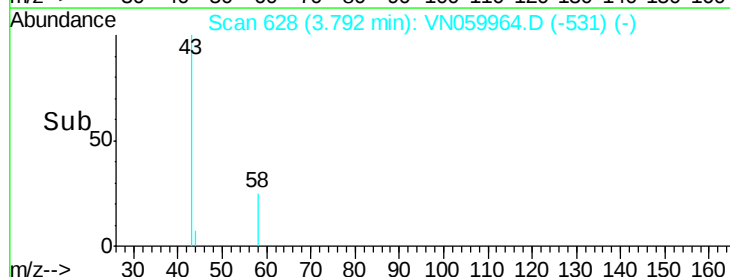
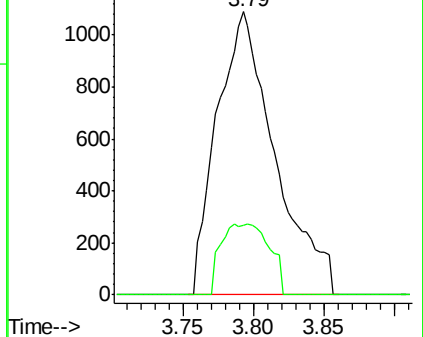
43 100

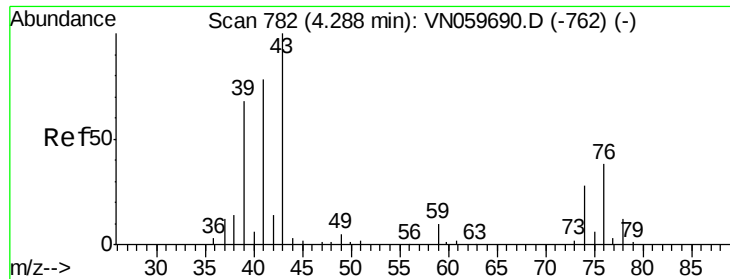
58 24.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

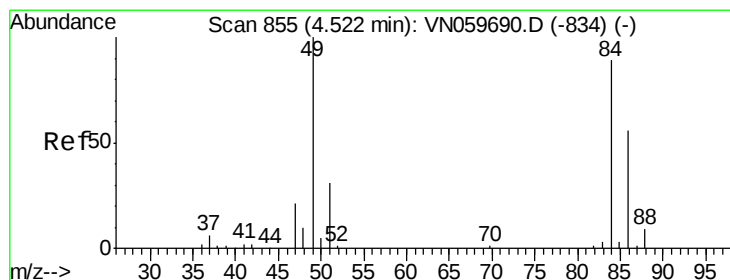
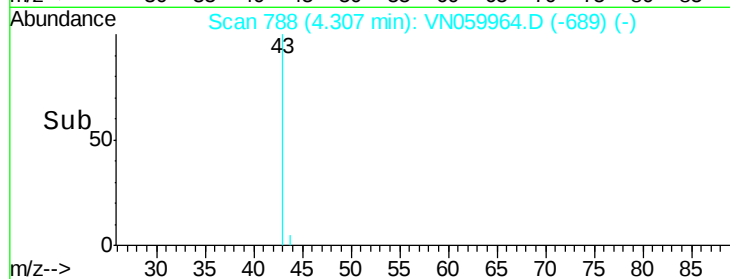
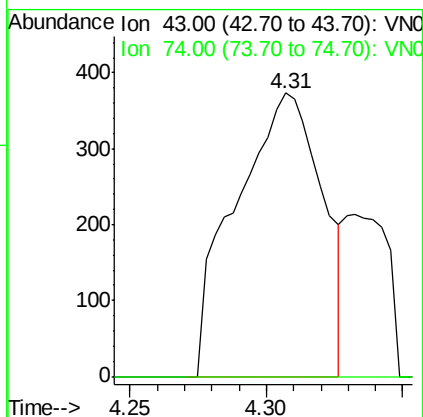
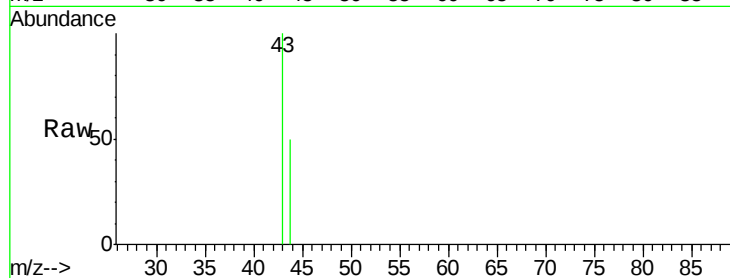




#18
Methyl Acetate
Concen: 0.32 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN059964.D
Acq: 3 Feb 2020 10:40

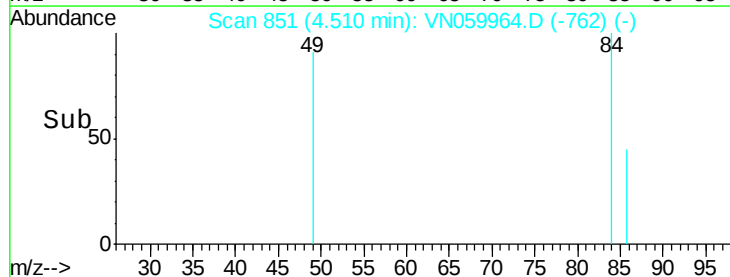
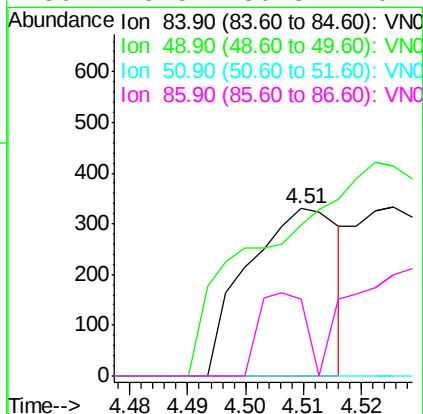
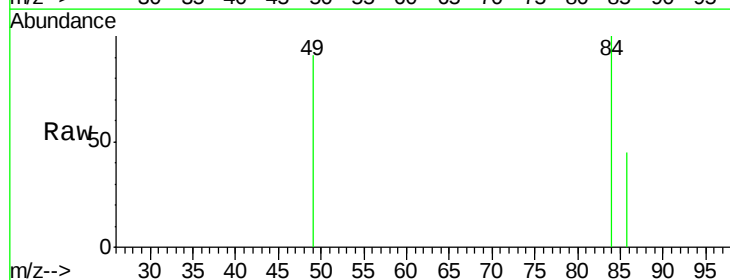
Instrument :
MSVOA_N
ClientSampleId :
VN0203MBL01

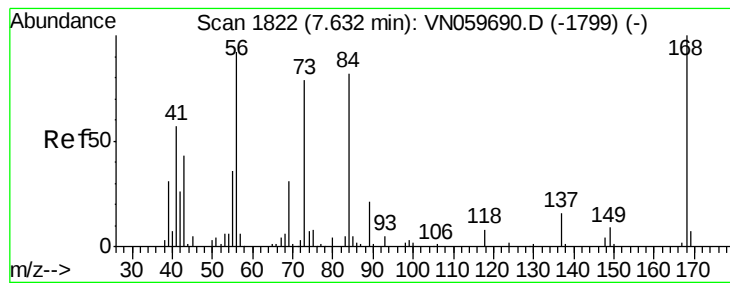
Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN059964.D
Acq: 3 Feb 2020 10:40

Tgt Ion: 84 Resp: 361
Ion Ratio Lower Upper
84 100
49 90.6 106.6 160.0#
51 0.0 31.9 47.9#
86 45.5 50.8 76.2#





#31

Cyclohexane

Concen: 1.19 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059964.D

Acq: 3 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBL01

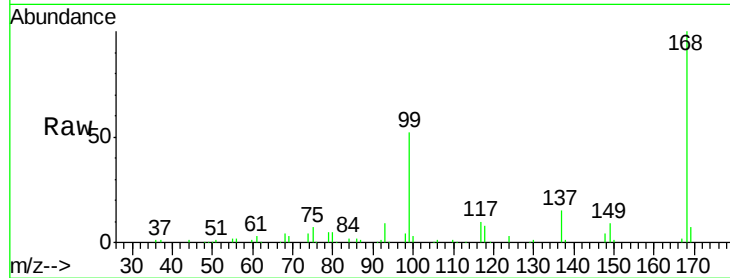
Tgt Ion: 56 Resp: 3876

Ion Ratio Lower Upper

56 100

69 155.5 26.5 39.7#

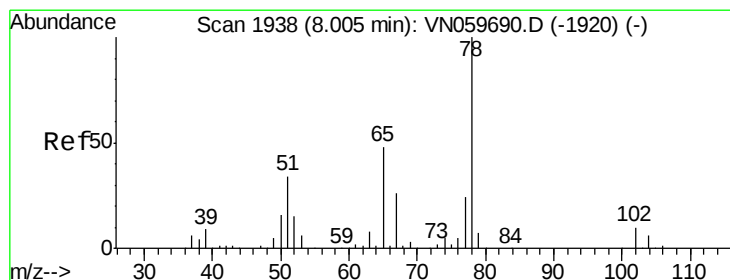
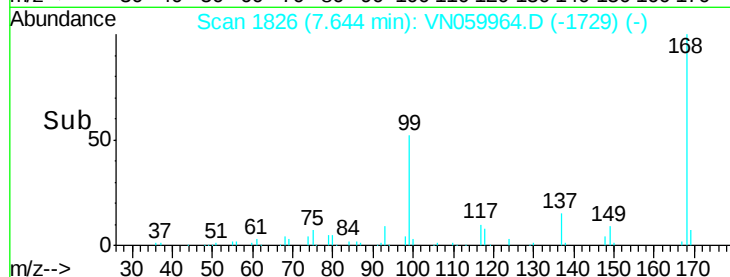
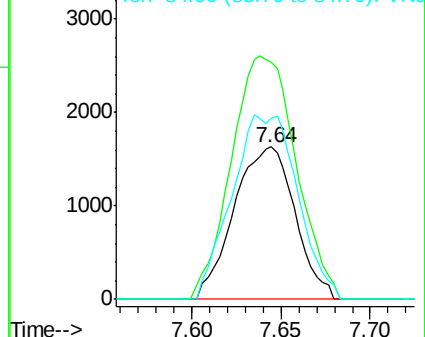
84 118.9 65.3 97.9#



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: 50.84 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059964.D

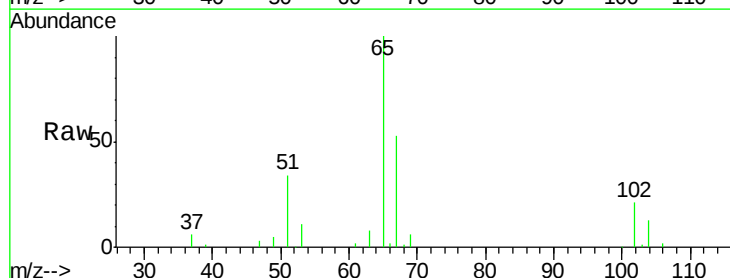
Acq: 3 Feb 2020 10:40

Tgt Ion: 65 Resp: 111694

Ion Ratio Lower Upper

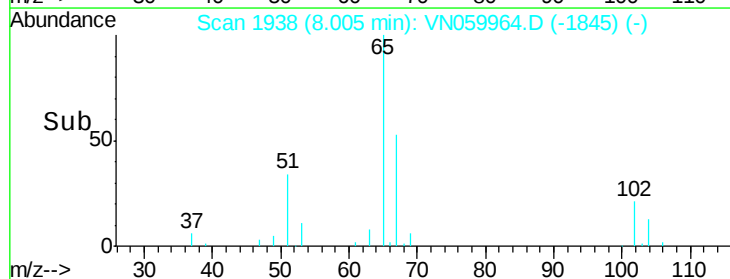
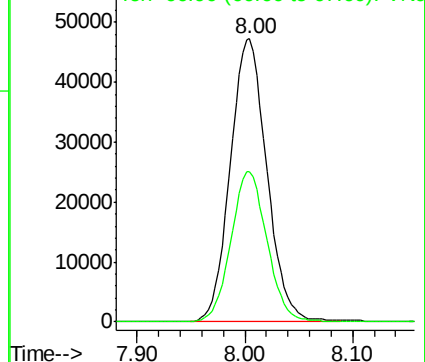
65 100

67 52.3 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

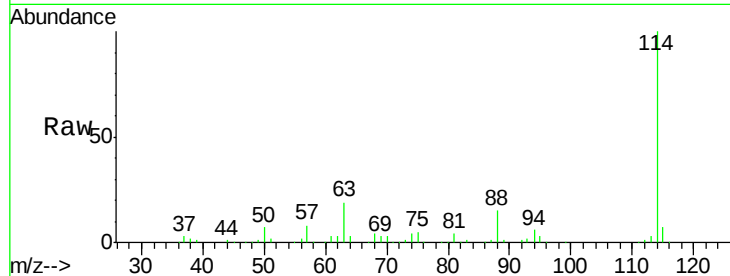




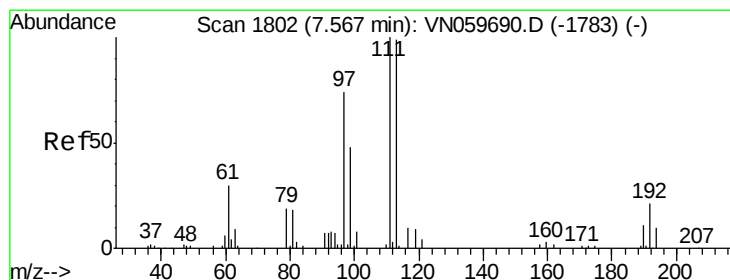
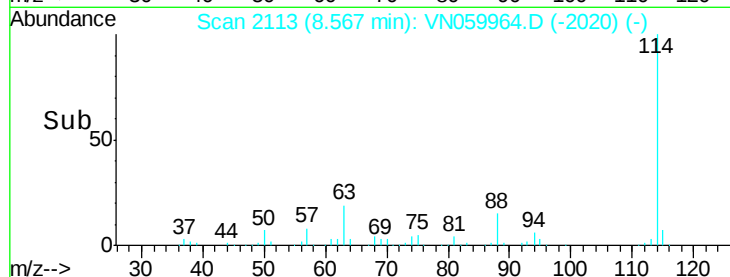
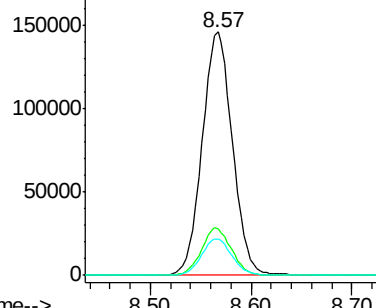
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059964.D
 Acq: 3 Feb 2020 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBL01

Tgt Ion:114 Resp: 303643
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 43.6
 88 14.9 0.0 31.4

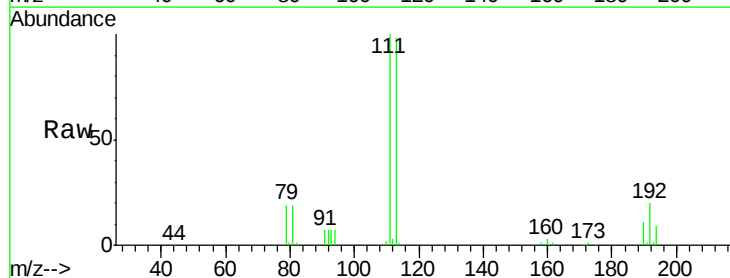


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

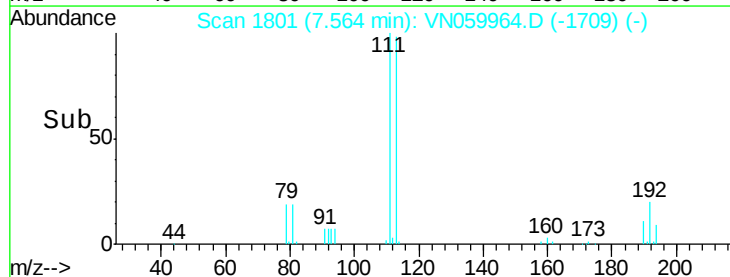
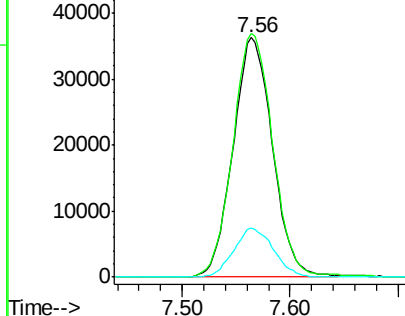


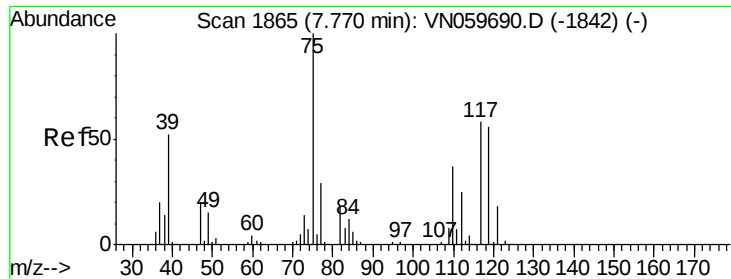
#35
 Dibromofluoromethane
 Concen: 50.98 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059964.D
 Acq: 3 Feb 2020 10:40

Tgt Ion:113 Resp: 92316
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.5 125.3
 192 20.6 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

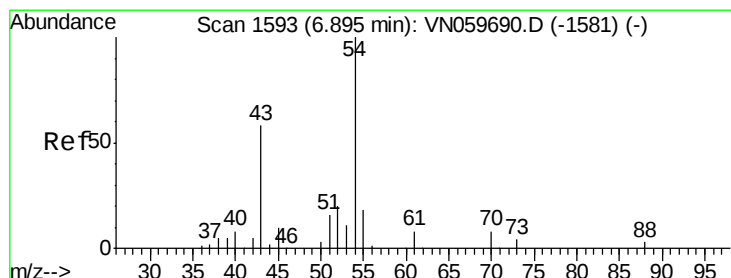
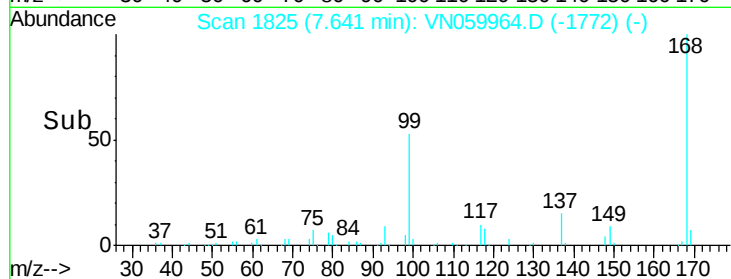
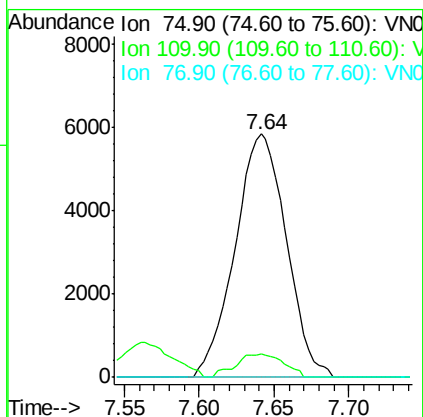
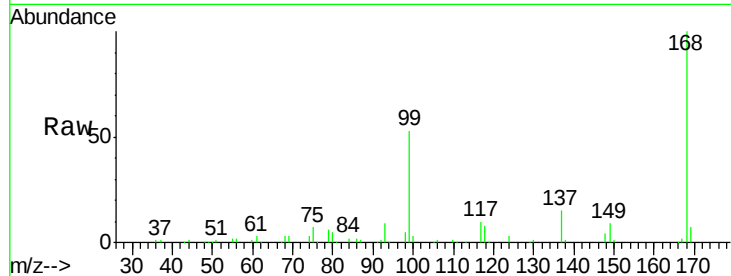




#36
 1,1-Dichloropropene
 Concen: 5.27 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059964.D
 Acq: 3 Feb 2020 10:40

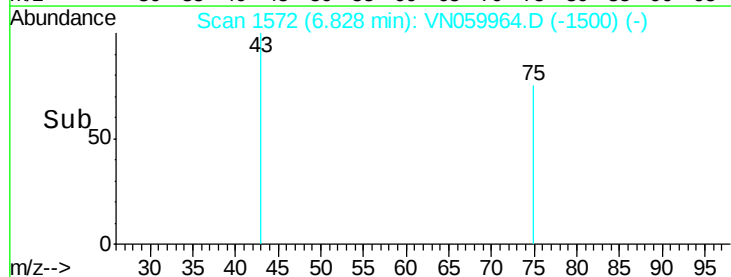
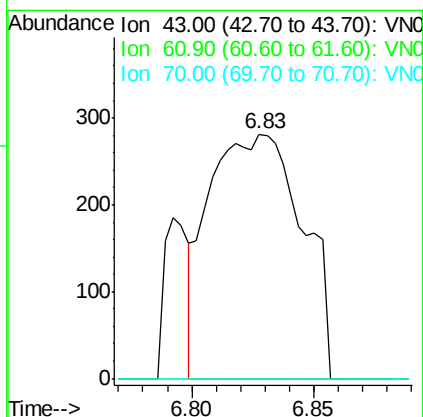
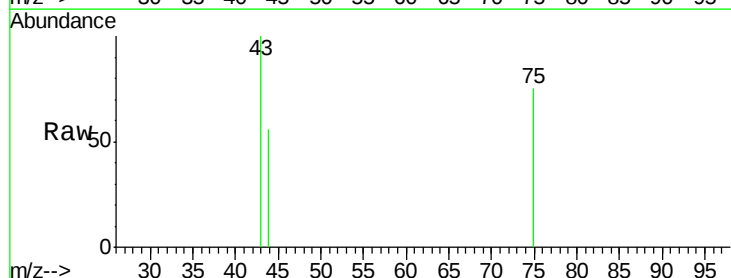
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBL01

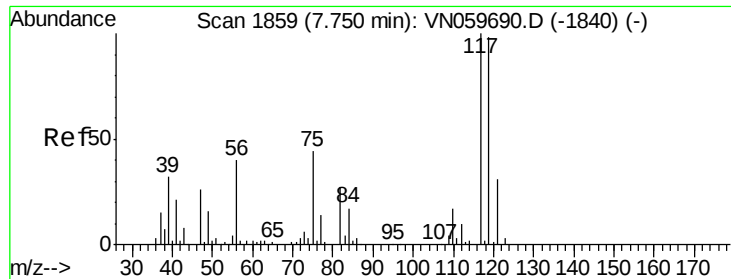
Tgt Ion: 75 Resp: 13929
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.6 49.7#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 0.30 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.07 min
 Lab File: VN059964.D
 Acq: 3 Feb 2020 10:40

Tgt Ion: 43 Resp: 745
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 6.28 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059964.D

Acq: 3 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampled :

VN0203MBL01

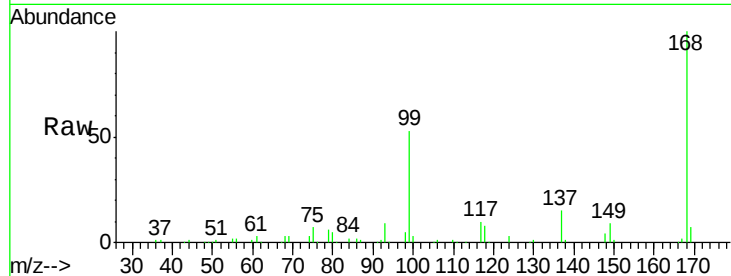
Tgt Ion:117 Resp: 18071

Ion Ratio Lower Upper

117 100

119 4.4 76.5 114.7#

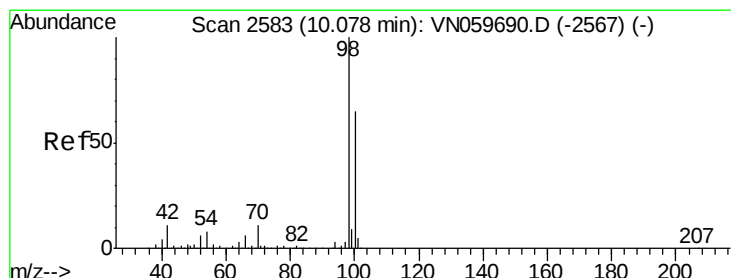
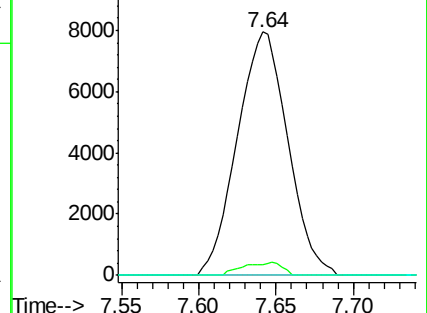
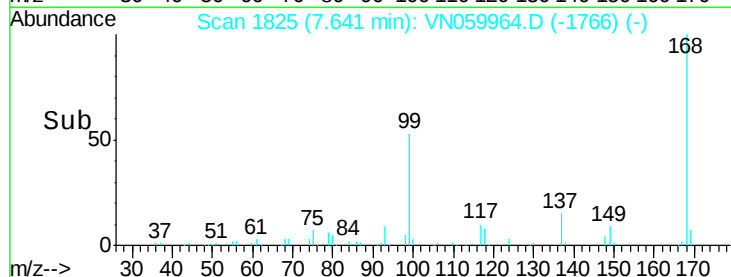
121 0.0 25.1 37.7#



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: 51.16 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059964.D

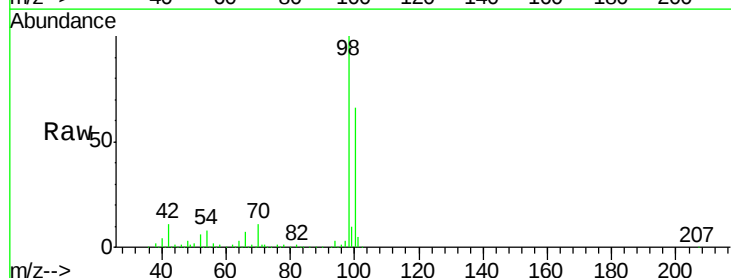
Acq: 3 Feb 2020 10:40

Tgt Ion: 98 Resp: 358907

Ion Ratio Lower Upper

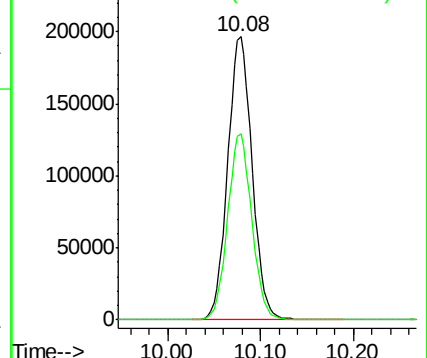
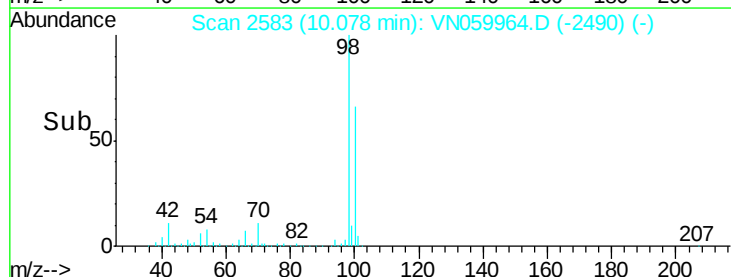
98 100

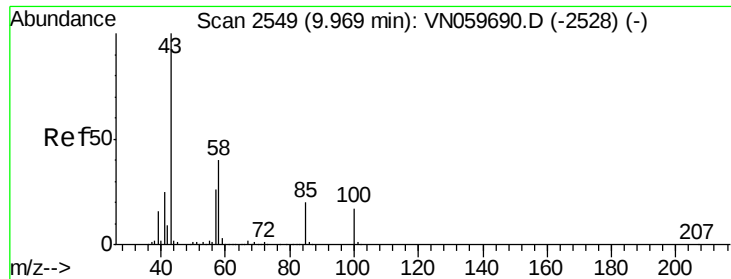
100 64.8 51.2 76.8



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: 0.20 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN059964.D

Acq: 3 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

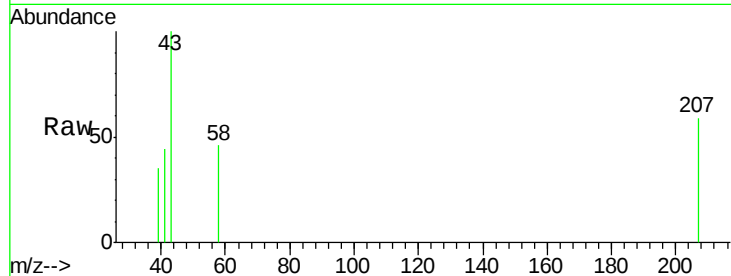
VN0203MBL01

Tgt Ion: 43 Resp: 502

Ion Ratio Lower Upper

43 100

58 48.6 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

400

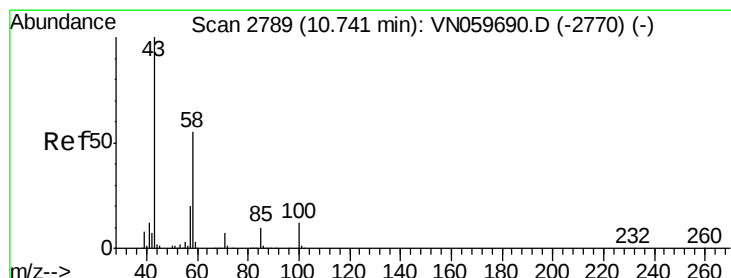
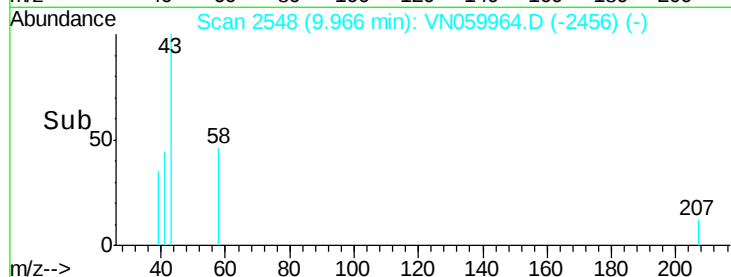
300

200

100

0

Time-->



#59

2-Hexanone

Concen: 0.38 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN059964.D

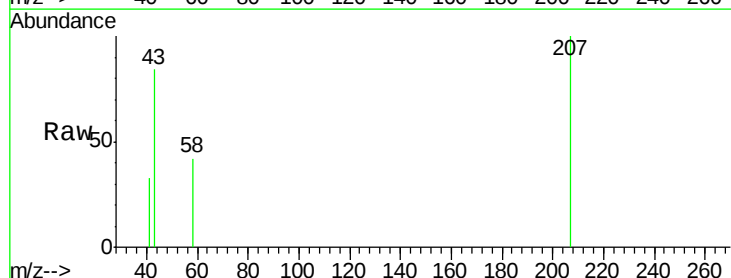
Acq: 3 Feb 2020 10:40

Tgt Ion: 43 Resp: 683

Ion Ratio Lower Upper

43 100

58 26.5 25.8 77.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

400

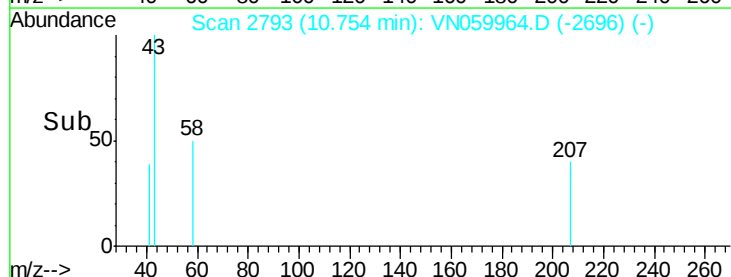
300

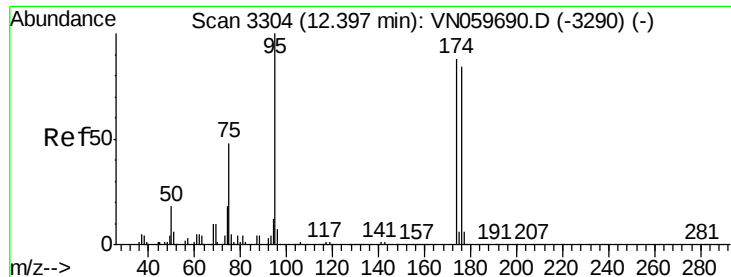
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 46.96 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059964.D

Acq: 3 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBL01

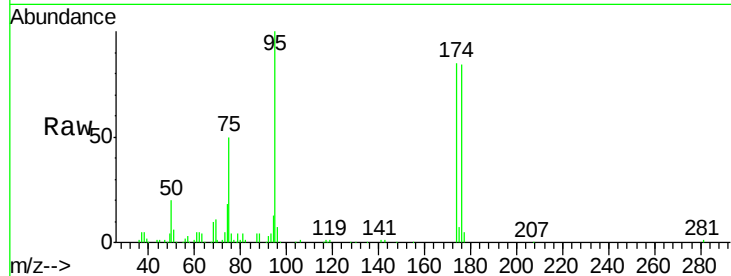
Tgt Ion: 95 Resp: 118775

Ion Ratio Lower Upper

95 100

174 86.4 0.0 151.4

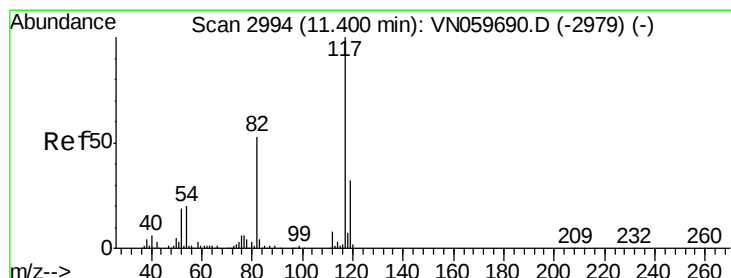
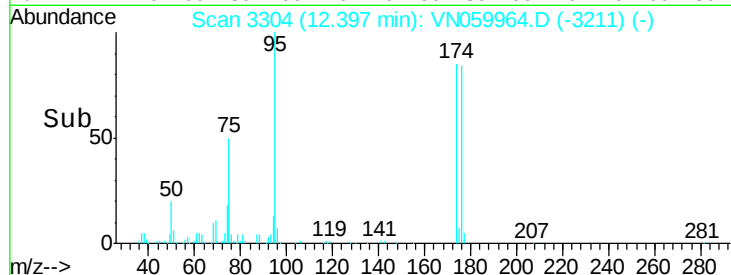
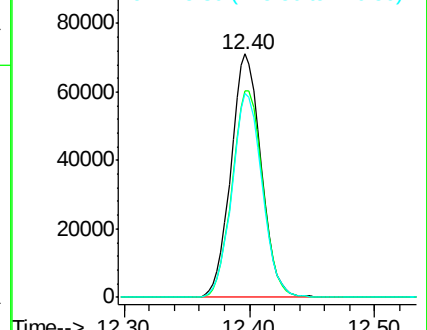
176 83.7 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059964.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN059964.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059964.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059964.D

Acq: 3 Feb 2020 10:40

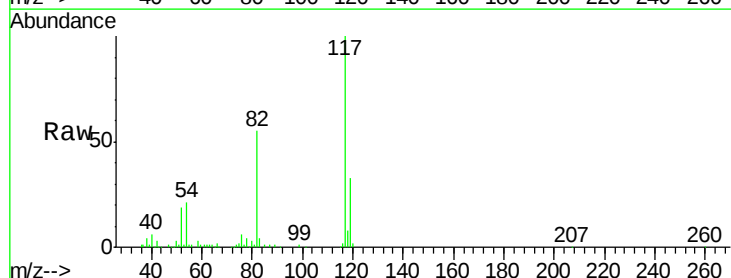
Tgt Ion: 117 Resp: 269836

Ion Ratio Lower Upper

117 100

82 54.7 45.9 68.9

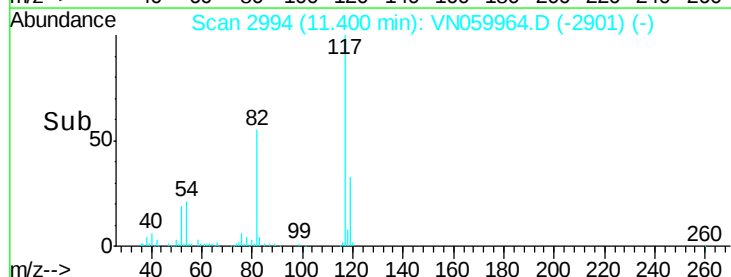
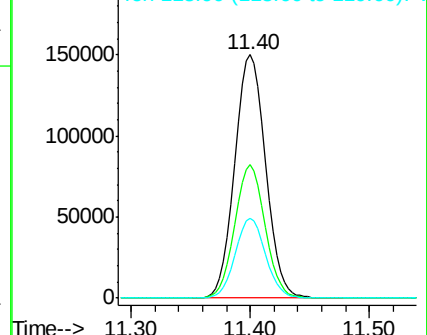
119 33.0 25.5 38.3

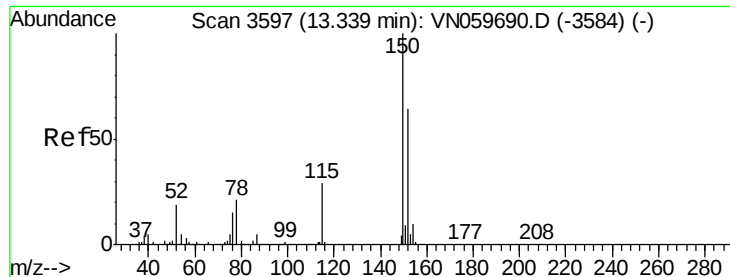


Abundance Ion 116.90 (116.60 to 117.60): VN059964.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059964.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059964.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059964.D

Acq: 3 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampled :

VN0203MBL01

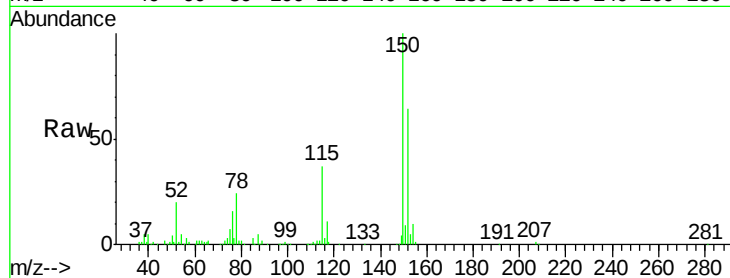
Tgt Ion:152 Resp: 108291

Ion Ratio Lower Upper

152 100

115 57.9 30.3 90.9

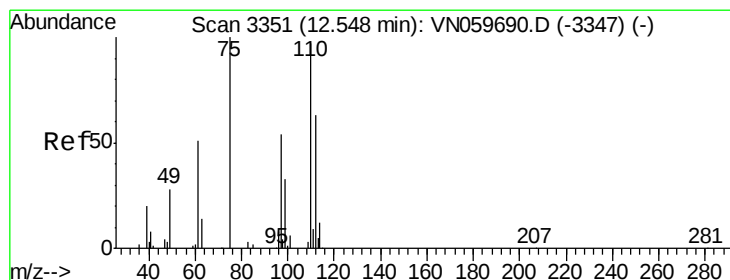
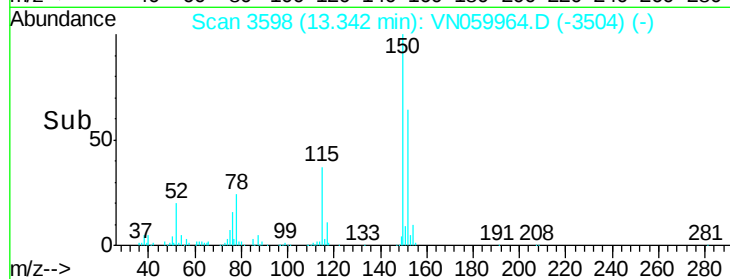
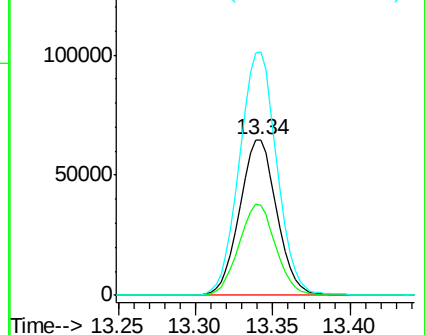
150 157.8 0.0 345.2



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: 32.83 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059964.D

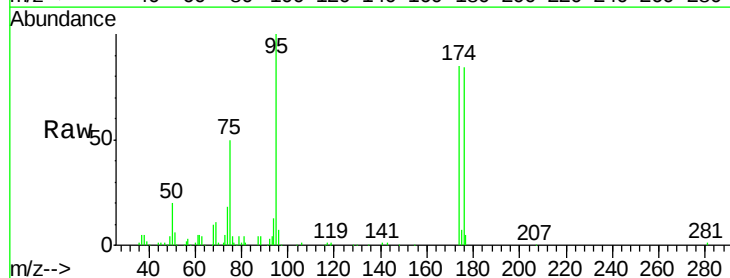
Acq: 3 Feb 2020 10:40

Tgt Ion: 75 Resp: 59823

Ion Ratio Lower Upper

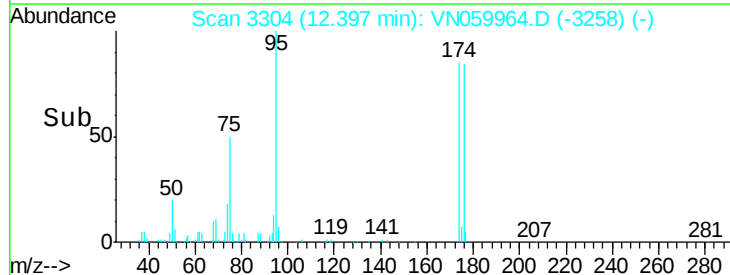
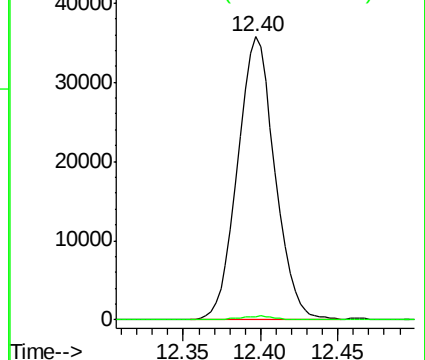
75 100

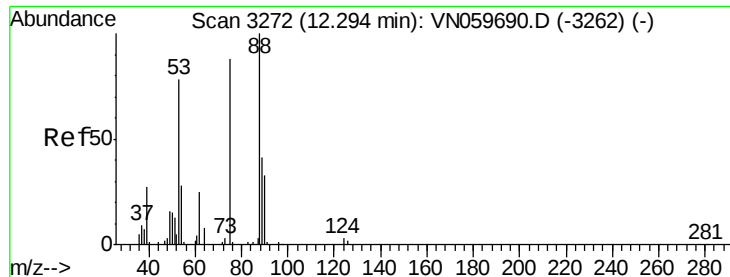
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 70.49 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059964.D

Acq: 3 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBL01

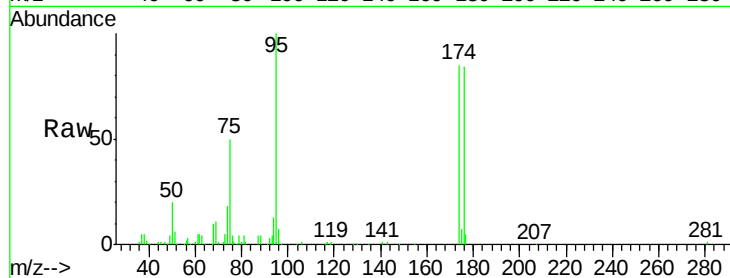
Tgt Ion: 75 Resp: 59823

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

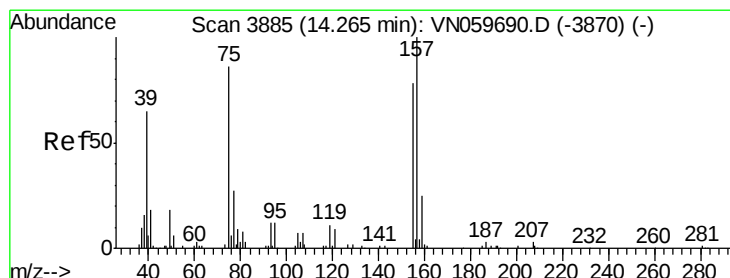
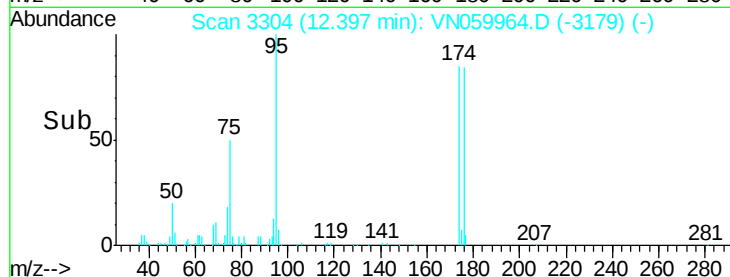
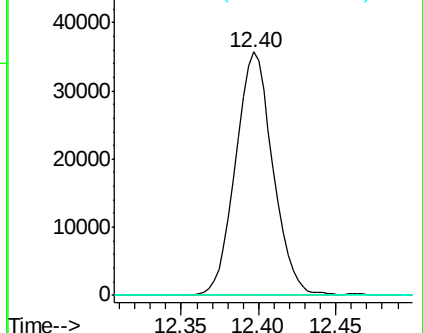
89 0.0 35.4 53.2#



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: 14.26 min Scan# 3884

Delta R.T. -0.00 min

Lab File: VN059964.D

Acq: 3 Feb 2020 10:40

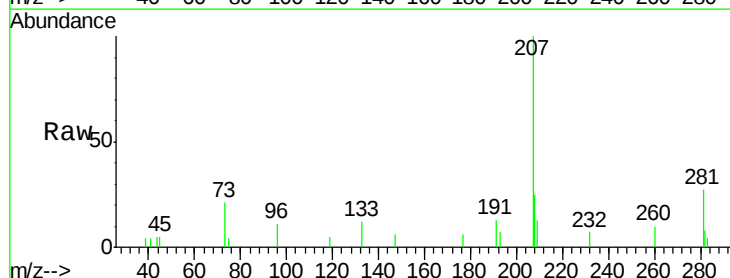
Tgt Ion: 75 Resp: 126

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

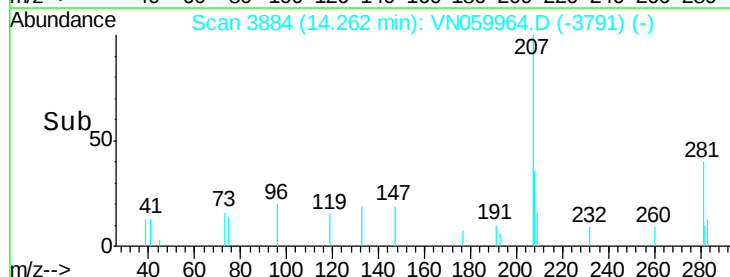
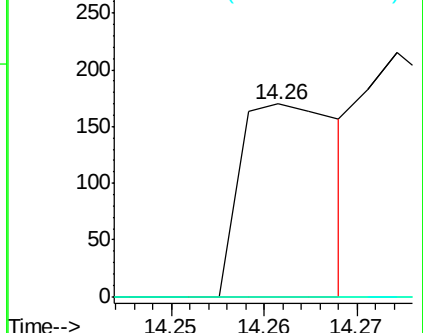
157 0.0 48.4 145.2#

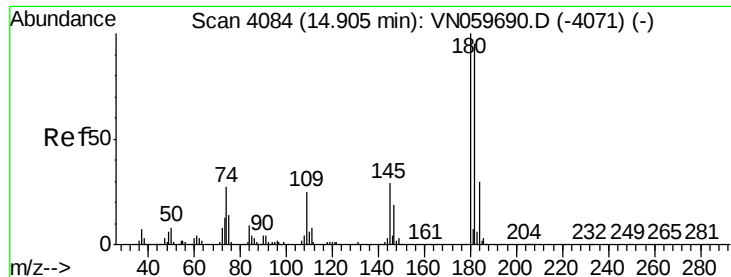


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

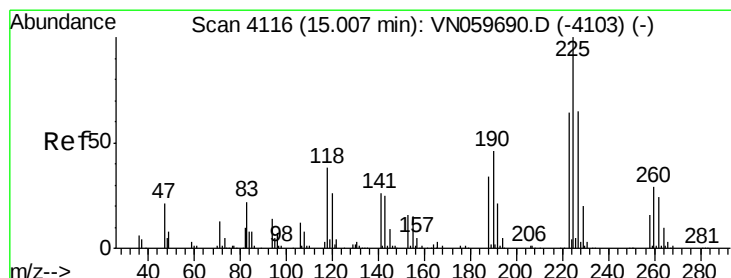
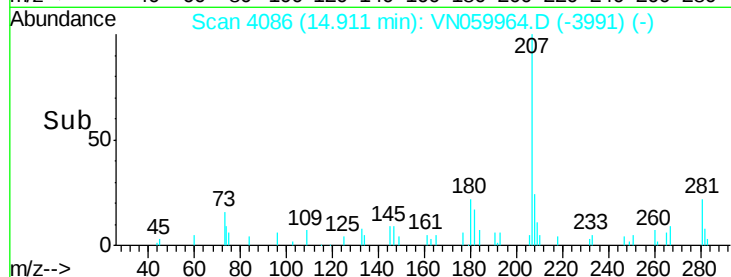
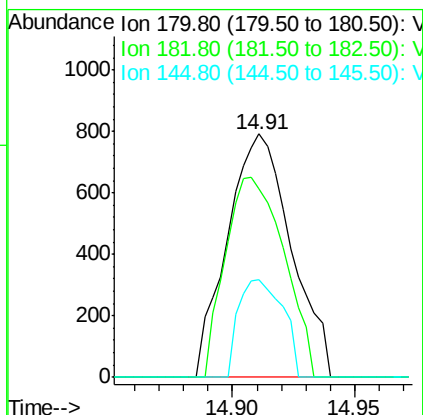
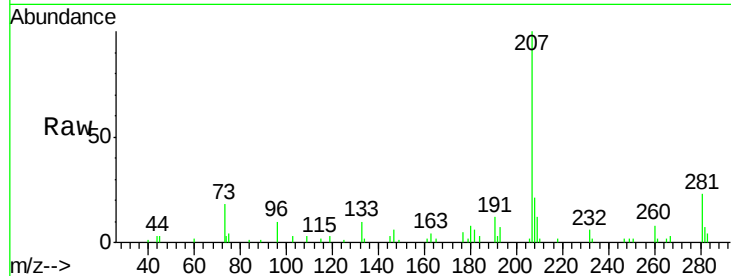




#93
 1,2,4-Trichlorobenzene
 Concen: 0.69 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN059964.D
 Acq: 3 Feb 2020 10:40

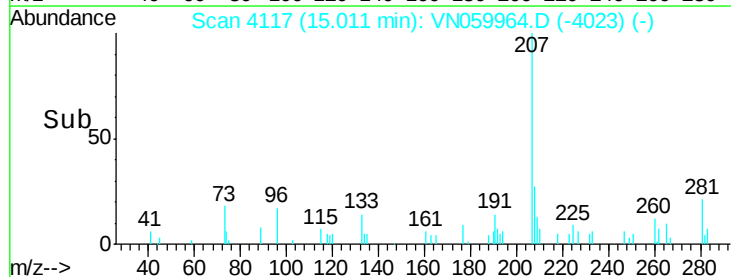
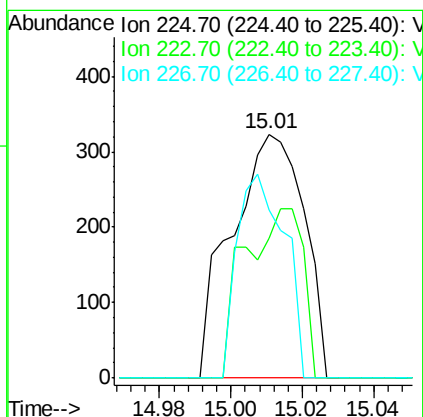
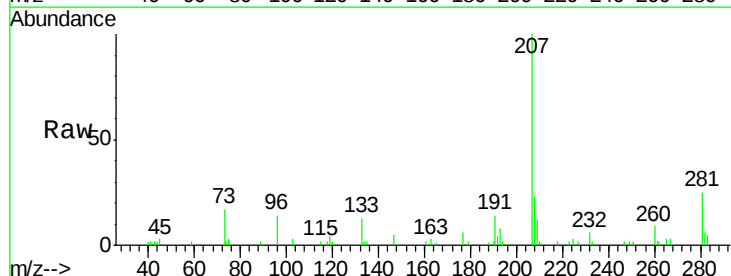
Instrument :
 MSVOA_N
 ClientSampled :
 VN0203MBL01

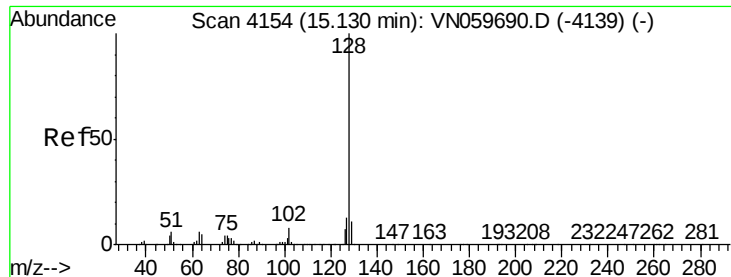
Tgt Ion:180 Resp: 1435
 Ion Ratio Lower Upper
 180 100
 182 76.0 46.9 140.7
 145 27.7 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 0.40 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059964.D
 Acq: 3 Feb 2020 10:40

Tgt Ion:225 Resp: 453
 Ion Ratio Lower Upper
 225 100
 223 55.8 31.8 95.3
 227 55.0 32.1 96.5





#95

Naphthalene

Concen: 0.90 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059964.D

Acq: 3 Feb 2020 10:40

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBL01

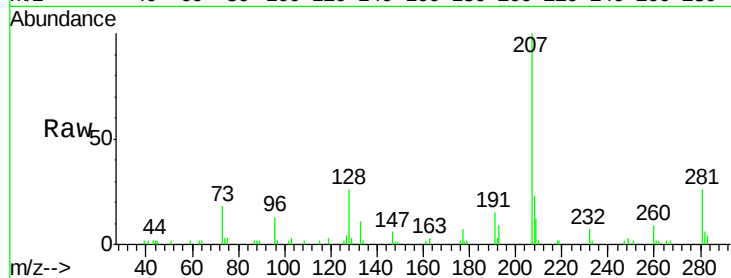
Tgt Ion:128 Resp: 5292

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

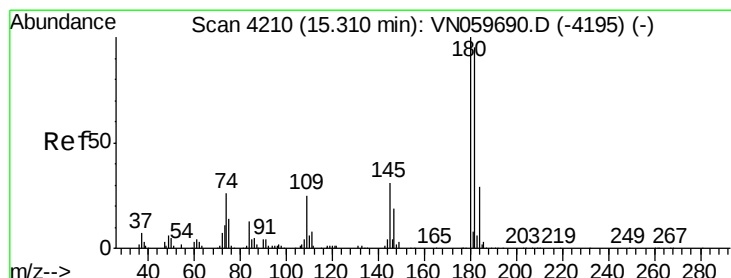
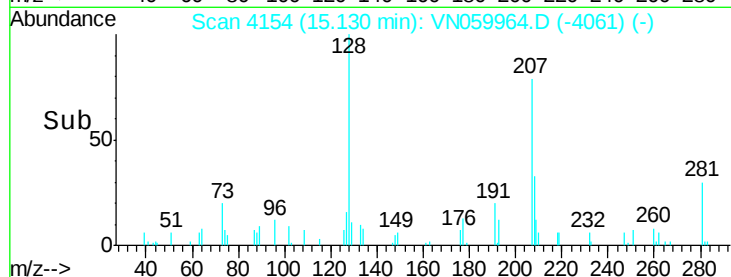
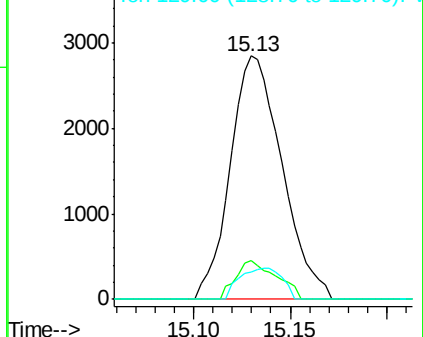
129 10.5 8.6 12.8



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: 0.94 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059964.D

Acq: 3 Feb 2020 10:40

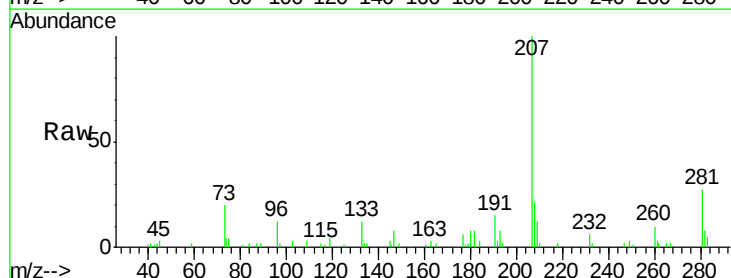
Tgt Ion:180 Resp: 1904

Ion Ratio Lower Upper

180 100

182 88.2 47.4 142.3

145 40.2 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

