

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112219\
 Data File : VN059353.D
 Acq On : 22 Nov 2019 10:50
 Operator : JC/SP
 Sample : VN1122MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122MBL01

Quant Time: Nov 22 11:23:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	359080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	555201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	477637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	173245	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	206819	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
35) Dibromofluoromethane	7.57	113	165034	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	10.08	98	665602	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	213567	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	

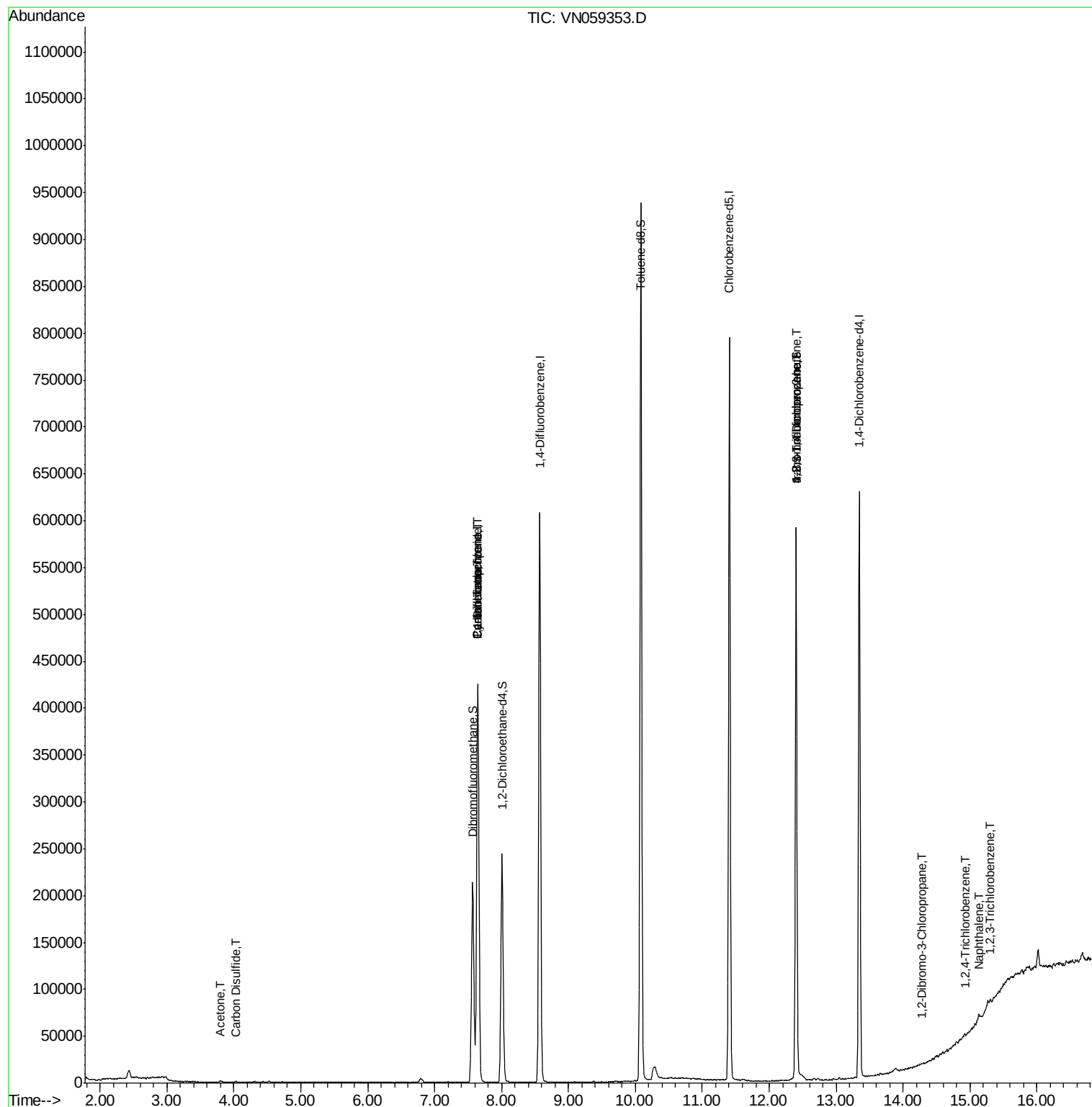
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1148	0.594	ug/l	92
17) Carbon Disulfide	4.02	76	1543	0.267	ug/l #	75
31) Cyclohexane	7.64	56	6333	0.835	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	26253	4.580	ug/l #	50
38) Carbon Tetrachloride	7.64	117	33350	6.078	ug/l #	16
76) 1,2,3-Trichloropropane	12.40	75	102912	25.713	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	102912	64.311	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.28	75	572	0.573	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.92	180	1076	3.213	ug/l #	68
95) Naphthalene	15.13	128	3632	3.501	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.30	180	1295	2.246	ug/l	85

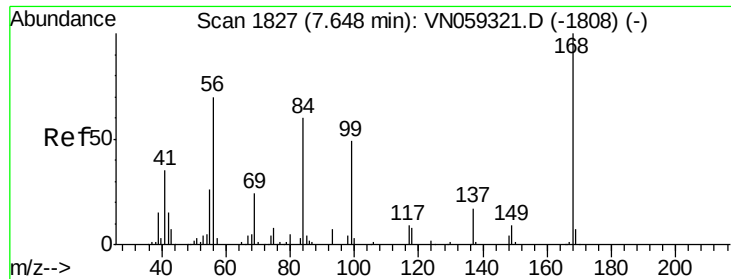
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059353.D

Acq: 22 Nov 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

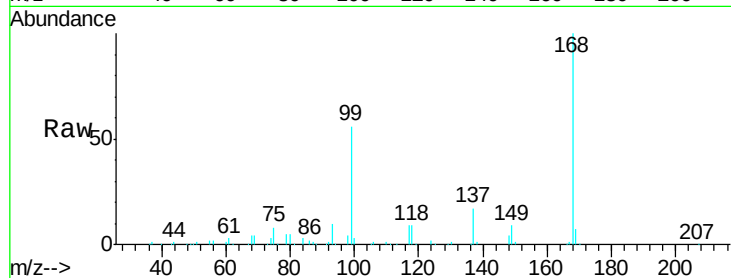
VN1122MBL01

Tgt Ion:168 Resp: 359080

Ion Ratio Lower Upper

168 100

99 56.2 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059321.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN059321.D (-1808) (-)

7.64

150000

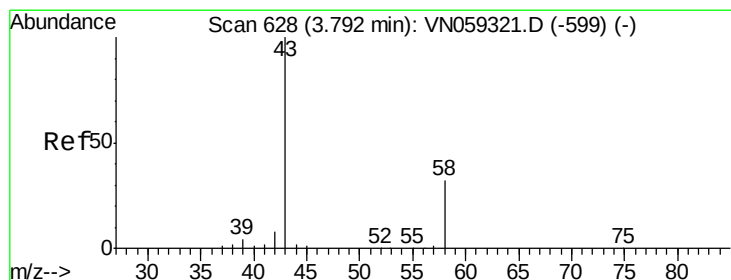
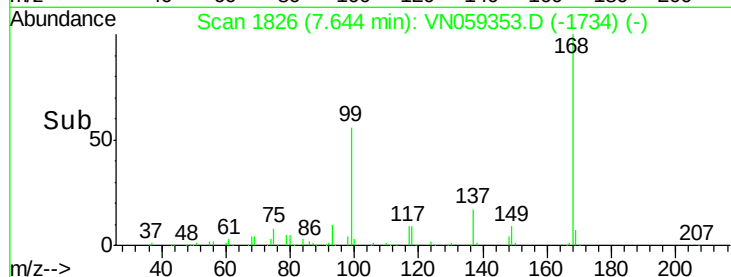
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 0.594 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059353.D

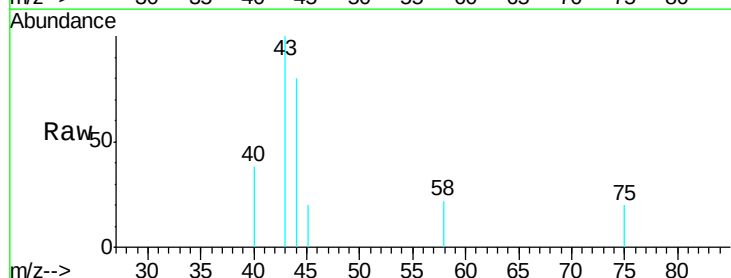
Acq: 22 Nov 2019 10:50

Tgt Ion: 43 Resp: 1148

Ion Ratio Lower Upper

43 100

58 27.8 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN059321.D (-599) (-)

3.79

1000

800

600

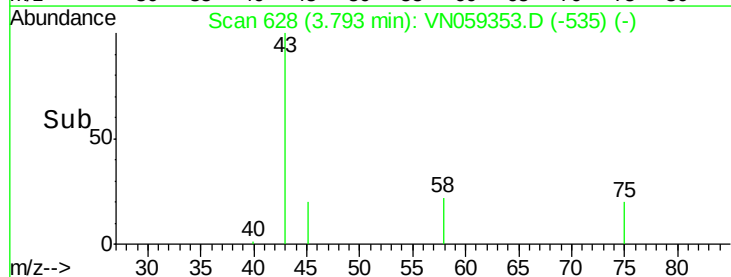
400

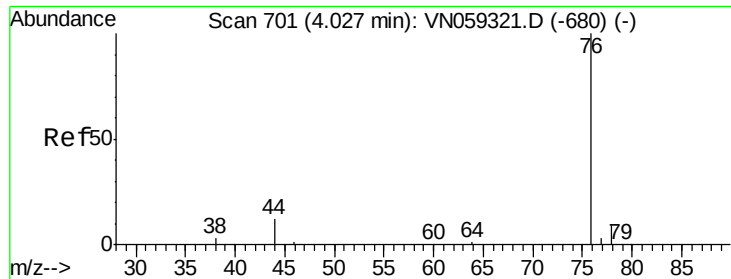
200

0

3.74 3.76 3.78 3.80 3.82

Time-->





#17

Carbon Disulfide

Concen: 0.267 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.01 min

Lab File: VN059353.D

Acq: 22 Nov 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

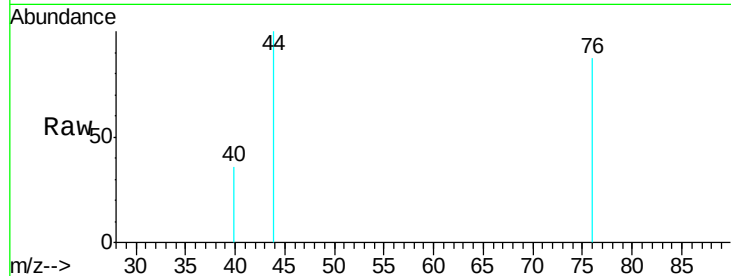
VN1122MBL01

Tgt Ion: 76 Resp: 1543

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

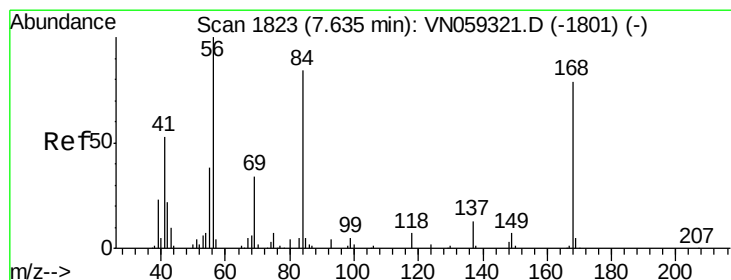
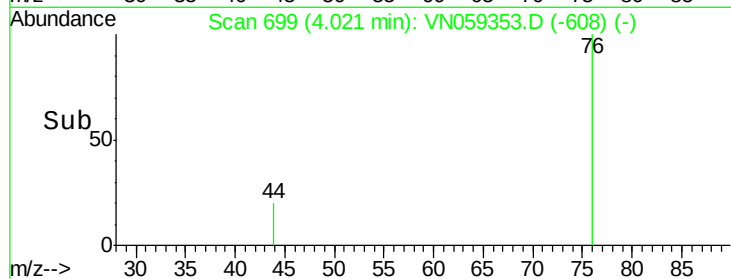
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 0.835 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059353.D

Acq: 22 Nov 2019 10:50

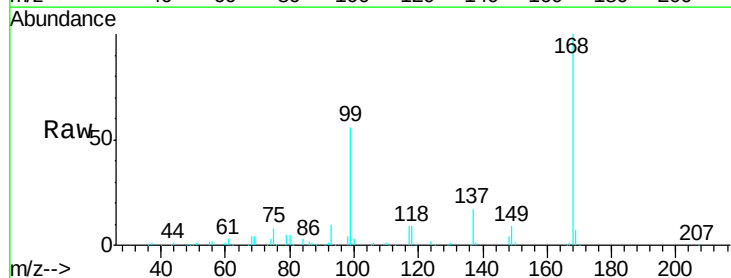
Tgt Ion: 56 Resp: 6333

Ion Ratio Lower Upper

56 100

69 202.6 26.6 40.0#

84 165.5 67.0 100.4#



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

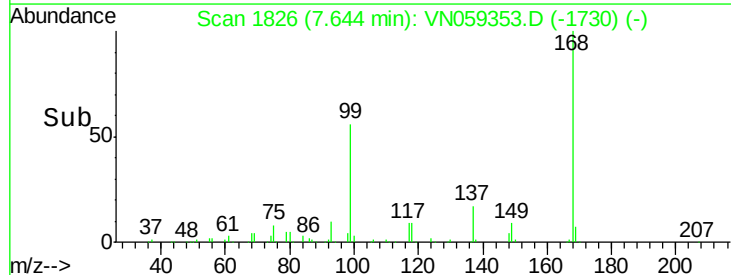
6000

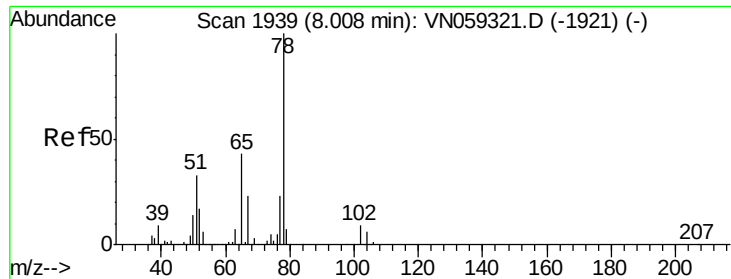
4000

2000

0

Time-->

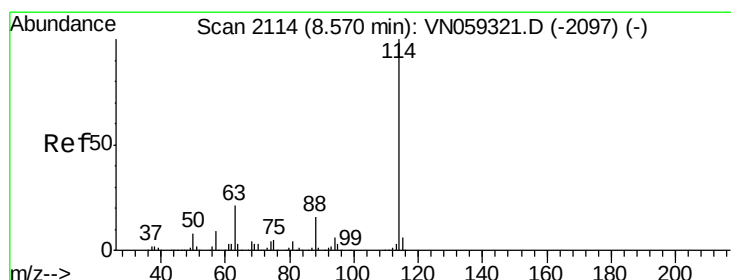
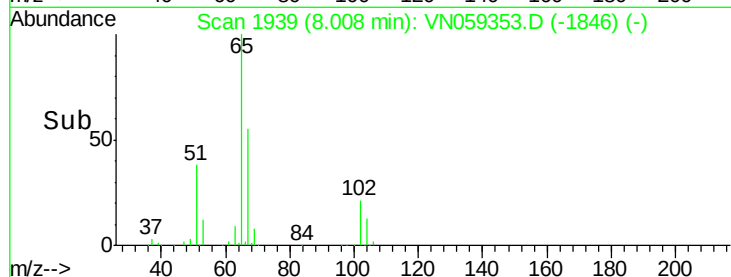
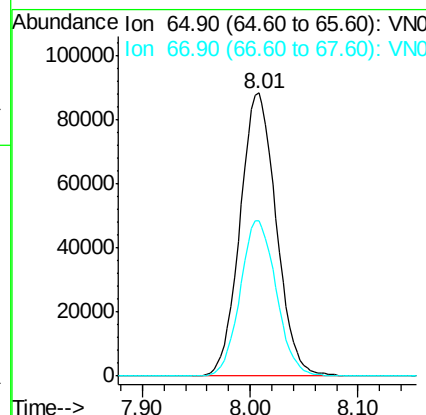
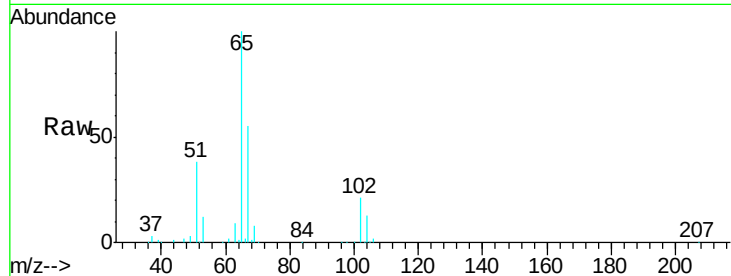




#33
 1,2-Dichloroethane-d4
 Concen: 48.004 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059353.D
 Acq: 22 Nov 2019 10:50

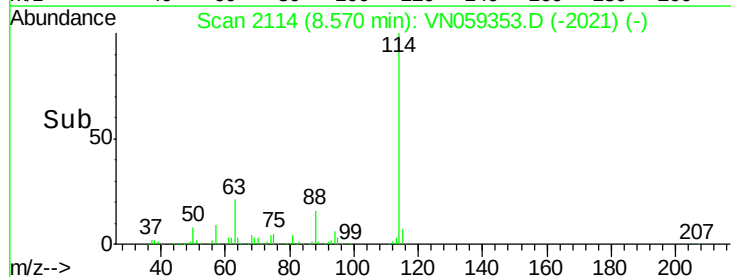
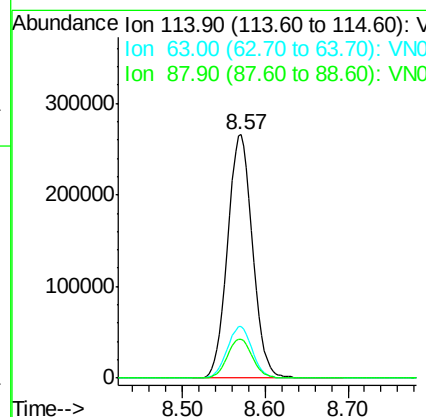
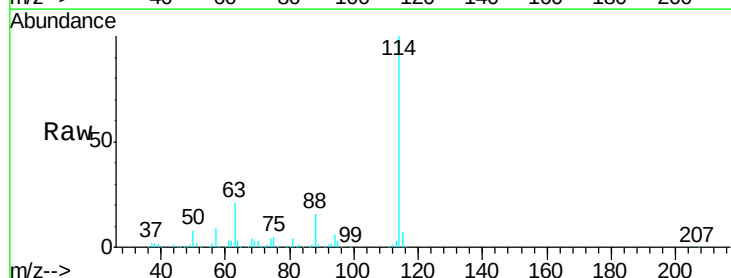
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122MBL01

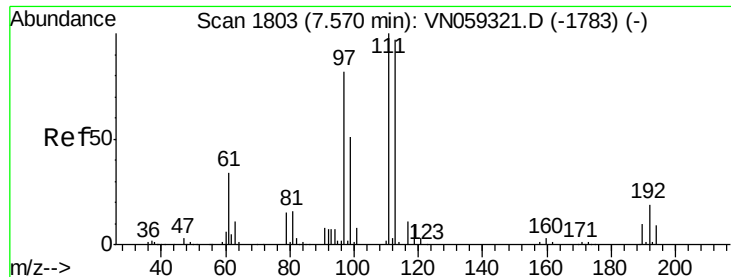
Tgt Ion: 65 Resp: 206819
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059353.D
 Acq: 22 Nov 2019 10:50

Tgt Ion: 114 Resp: 555201
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.2
 88 16.1 0.0 32.2

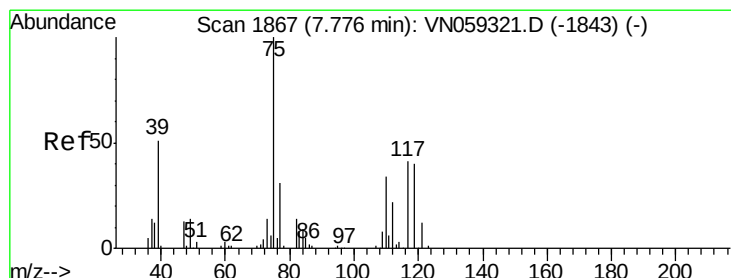
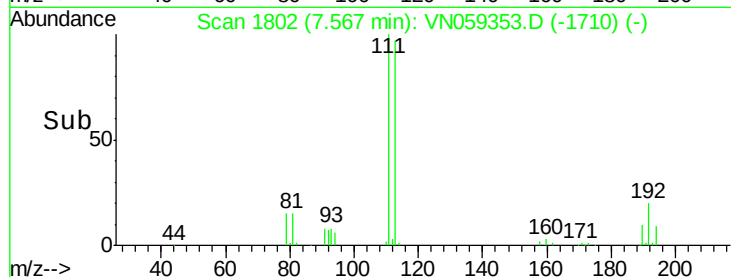
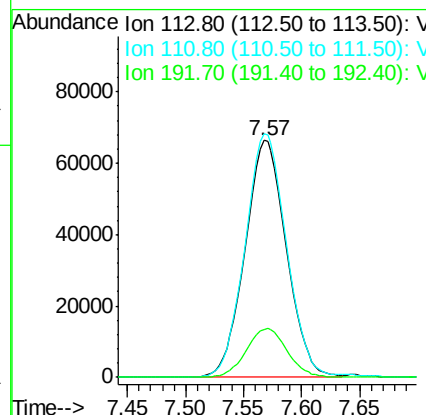
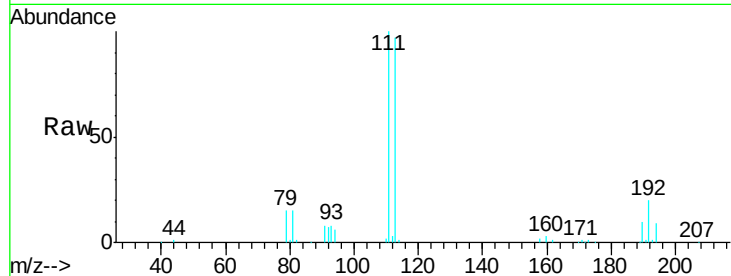




#35
Dibromofluoromethane
Concen: 49.547 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059353.D
Acq: 22 Nov 2019 10:50

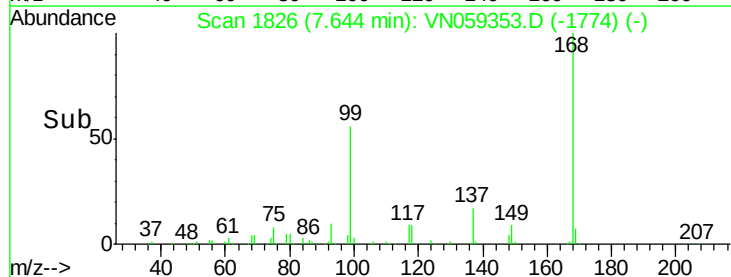
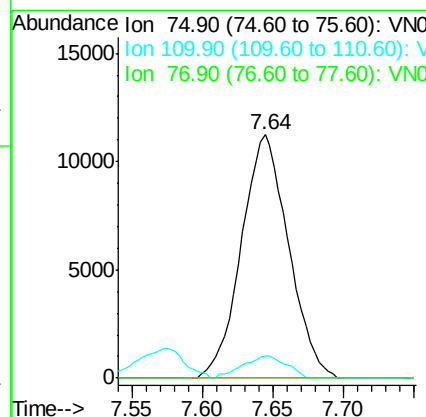
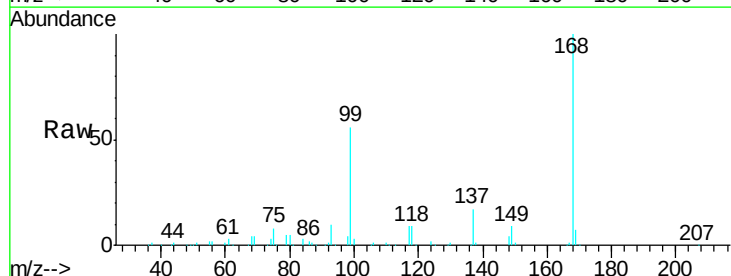
Instrument :
MSVOA_N
ClientSampleId :
VN1122MBL01

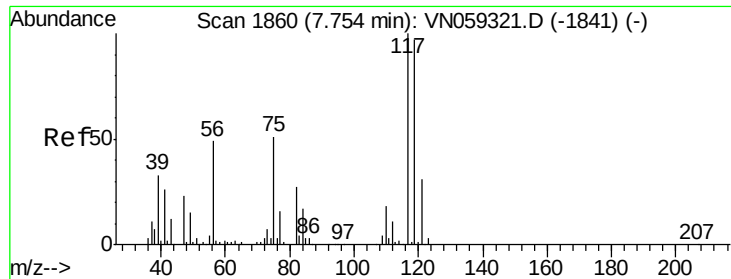
Tgt Ion:113 Resp: 165034
Ion Ratio Lower Upper
113 100
111 103.6 82.7 124.1
192 20.5 16.3 24.5



#36
1,1-Dichloropropene
Concen: 4.580 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.13 min
Lab File: VN059353.D
Acq: 22 Nov 2019 10:50

Tgt Ion: 75 Resp: 26253
Ion Ratio Lower Upper
75 100
110 8.4 17.0 51.0#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.078 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059353.D

Acq: 22 Nov 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1122MBL01

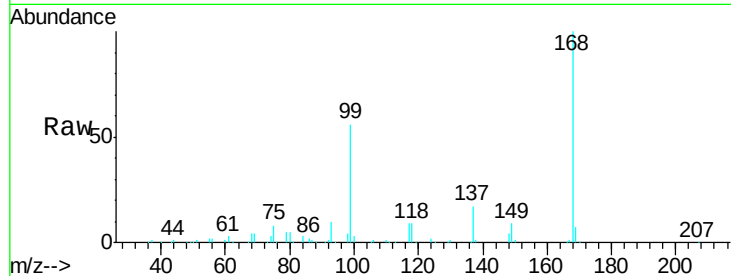
Tgt Ion:117 Resp: 33350

Ion Ratio Lower Upper

117 100

119 5.4 77.0 115.4#

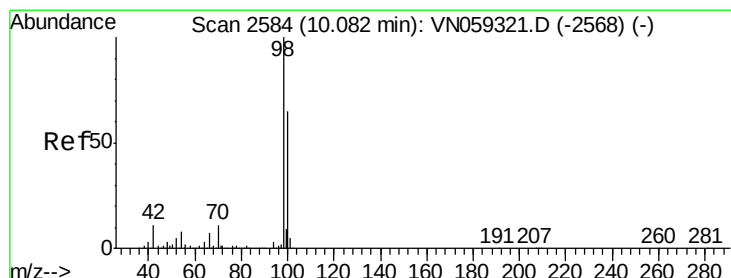
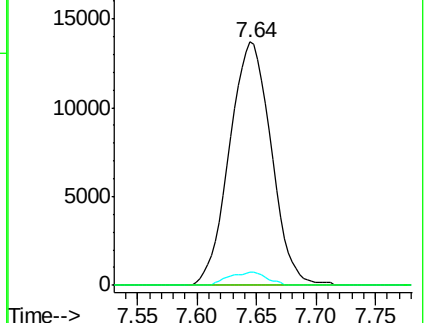
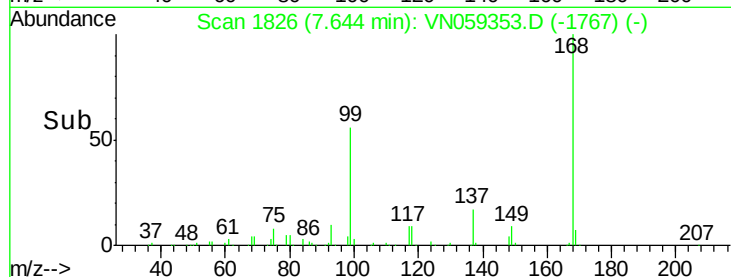
121 0.0 24.4 36.6#



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: 50.265 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059353.D

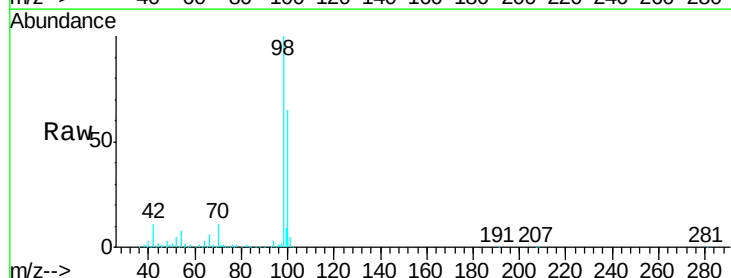
Acq: 22 Nov 2019 10:50

Tgt Ion: 98 Resp: 665602

Ion Ratio Lower Upper

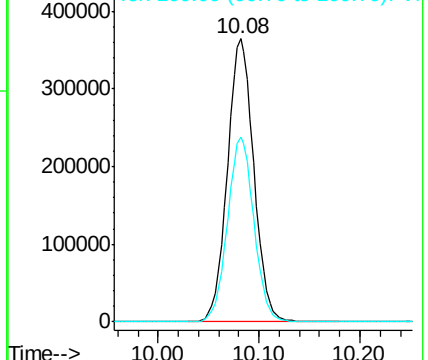
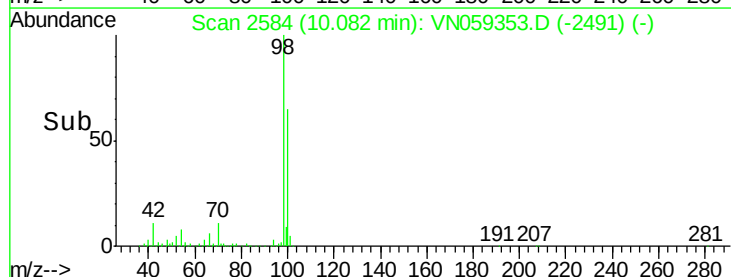
98 100

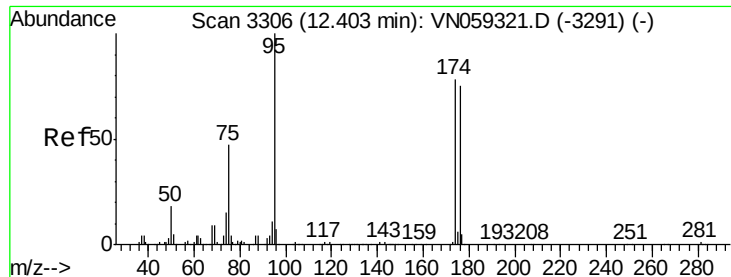
100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.126 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059353.D

Acq: 22 Nov 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1122MBL01

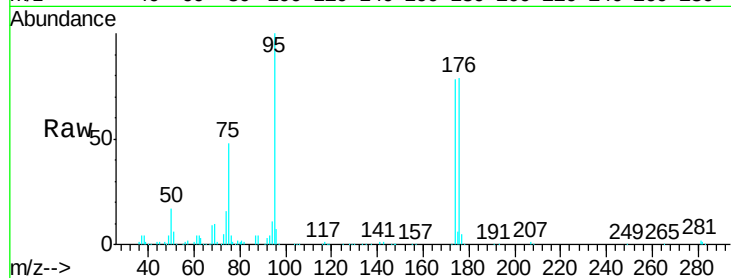
Tgt Ion: 95 Resp: 213567

Ion Ratio Lower Upper

95 100

174 77.8 0.0 157.4

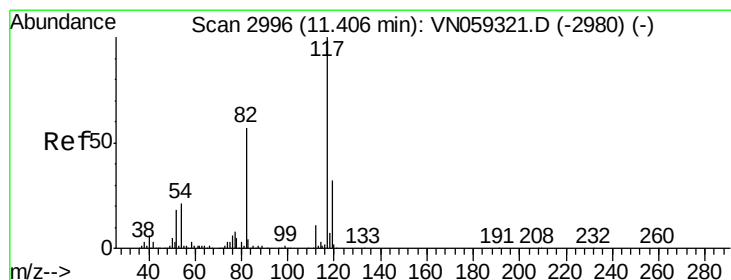
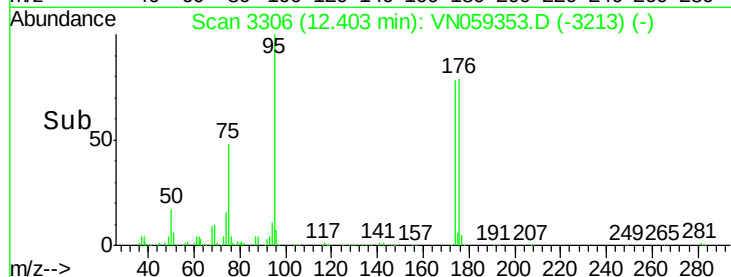
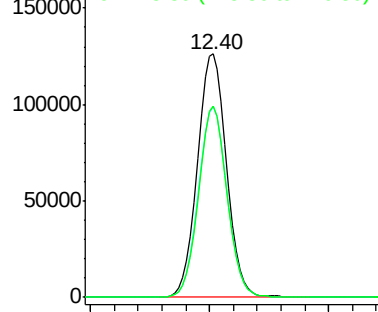
176 76.7 0.0 151.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059353.D

Acq: 22 Nov 2019 10:50

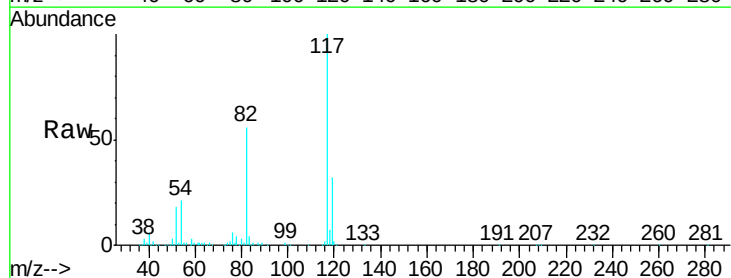
Tgt Ion: 117 Resp: 477637

Ion Ratio Lower Upper

117 100

82 56.5 45.7 68.5

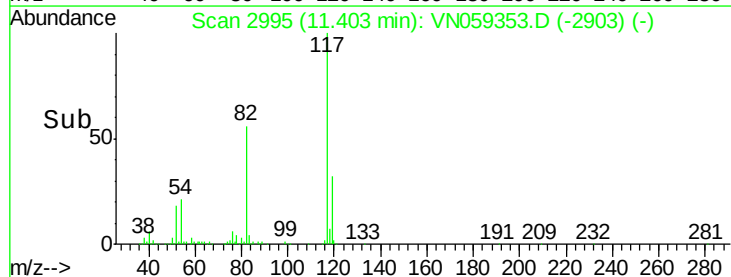
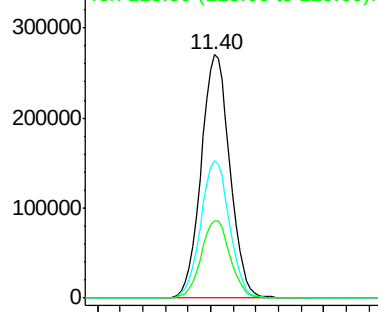
119 31.9 25.8 38.6

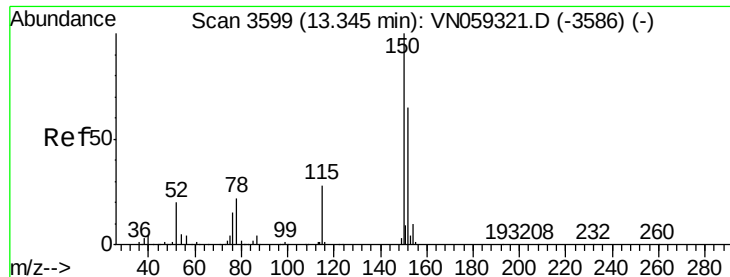


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059353.D

Acq: 22 Nov 2019 10:50

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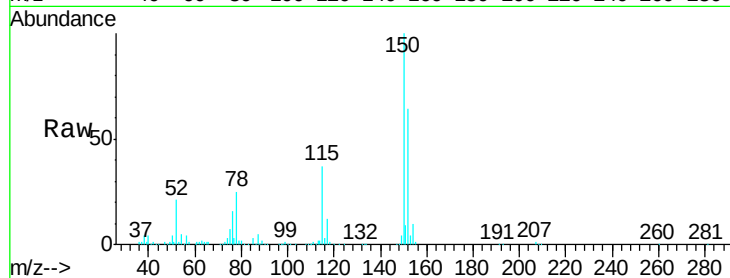
Tgt Ion: 152 Resp: 173245

Ion Ratio Lower Upper

152 100

115 59.3 29.3 88.0

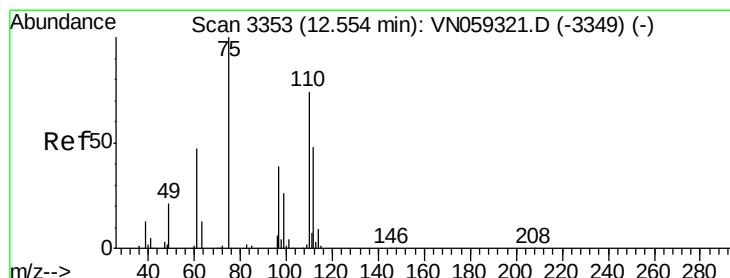
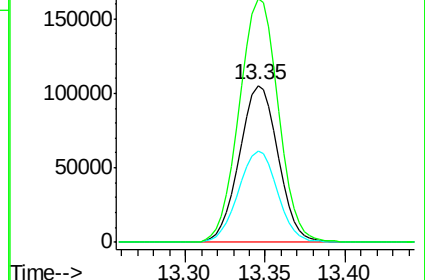
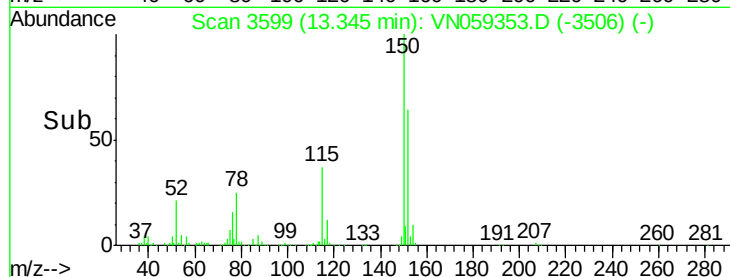
150 156.9 0.0 346.0



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: 25.713 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059353.D

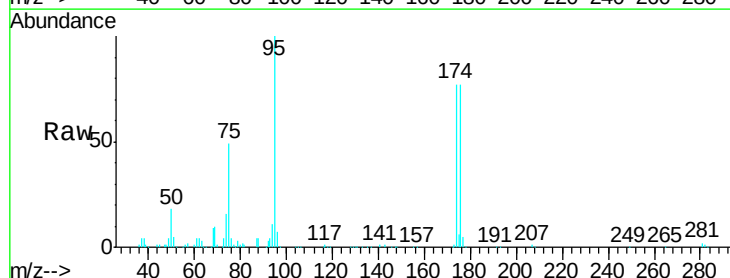
Acq: 22 Nov 2019 10:50

Tgt Ion: 75 Resp: 102912

Ion Ratio Lower Upper

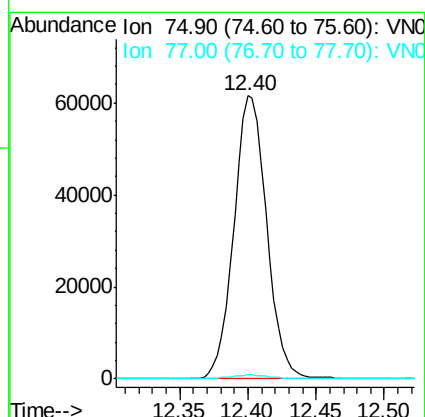
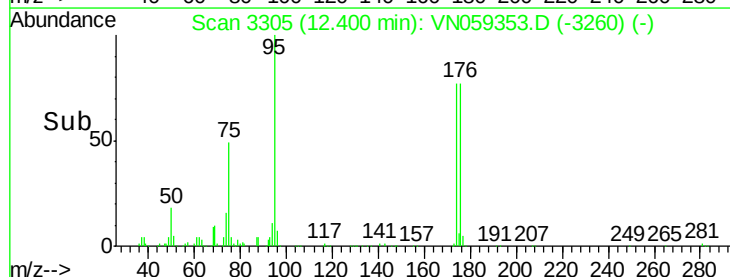
75 100

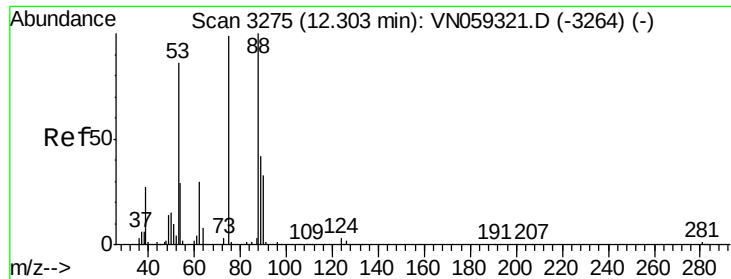
77 1.5 0.0 0.0#



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: 64.311 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059353.D

Acq: 22 Nov 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1122MBL01

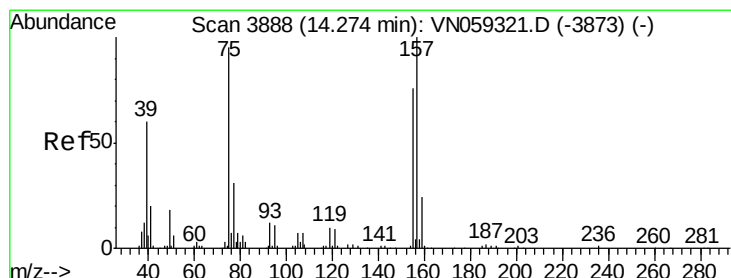
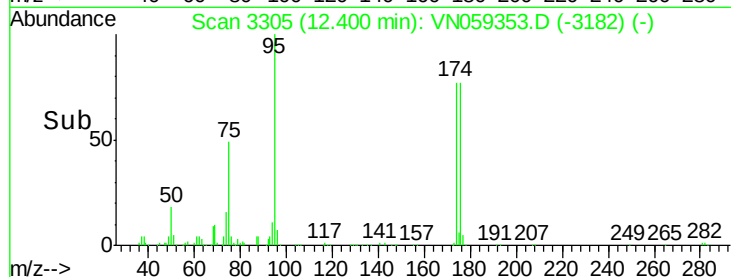
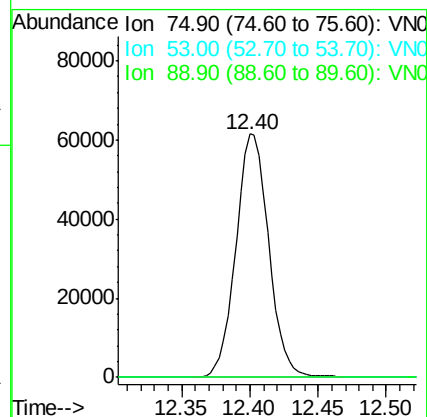
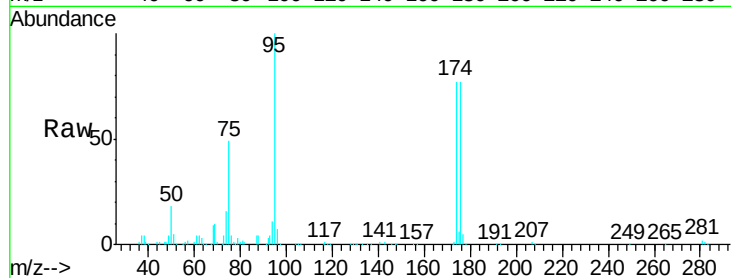
Tgt Ion: 75 Resp: 102912

Ion Ratio Lower Upper

75 100

53 0.0 70.7 106.1#

89 0.0 35.4 53.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.573 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN059353.D

Acq: 22 Nov 2019 10:50

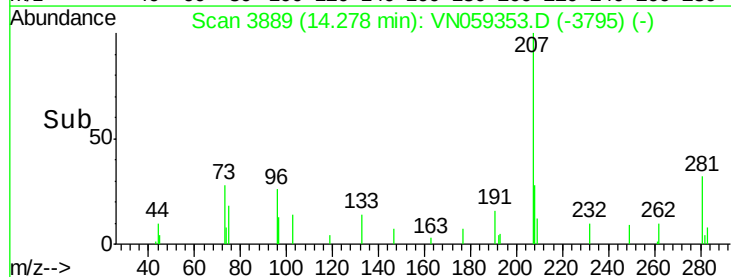
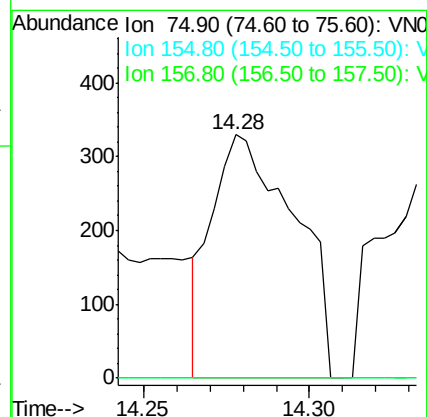
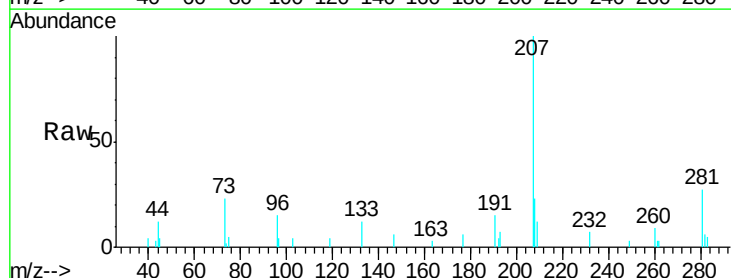
Tgt Ion: 75 Resp: 572

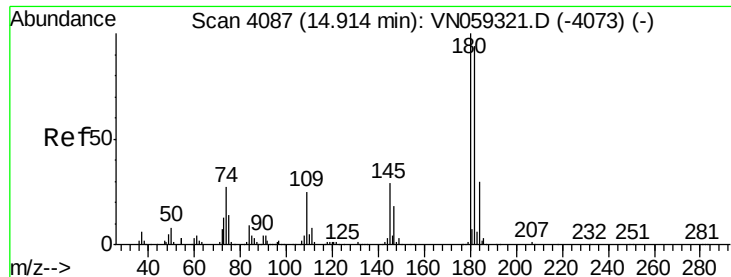
Ion Ratio Lower Upper

75 100

155 0.0 40.5 121.5#

157 0.0 52.7 158.1#





#93

1,2,4-Trichlorobenzene

Concen: 3.213 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN059353.D

Acq: 22 Nov 2019 10:50

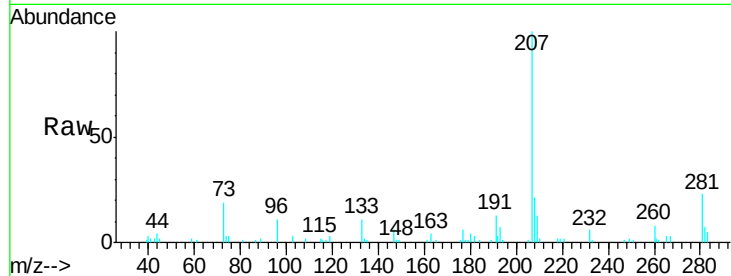
Instrument :

MSVOA_N

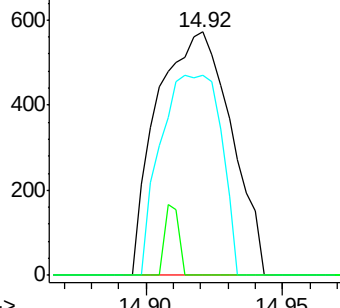
ClientSampleId :

VN1122MBL01

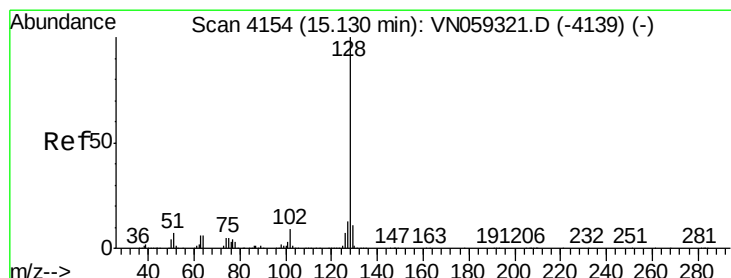
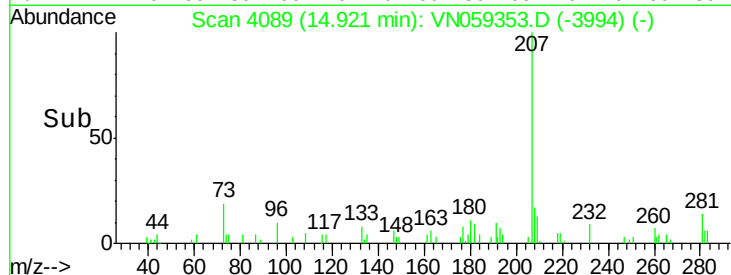
Tgt Ion:	180	Resp:	1076
Ion	Ratio	Lower	Upper
180	100		
182	67.1	47.2	141.6
145	5.8	14.9	44.5#



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



Time-->



#95

Naphthalene

Concen: 3.501 ug/l

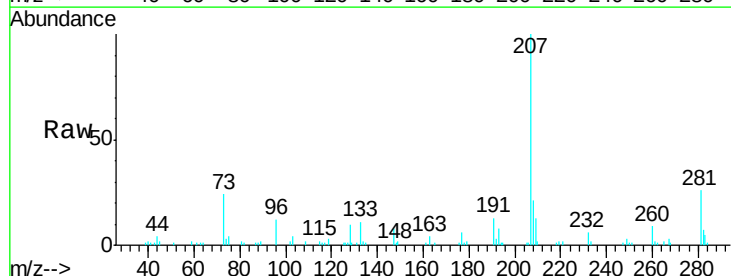
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

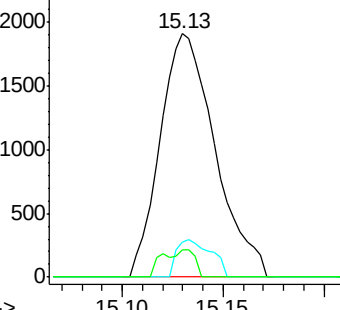
Lab File: VN059353.D

Acq: 22 Nov 2019 10:50

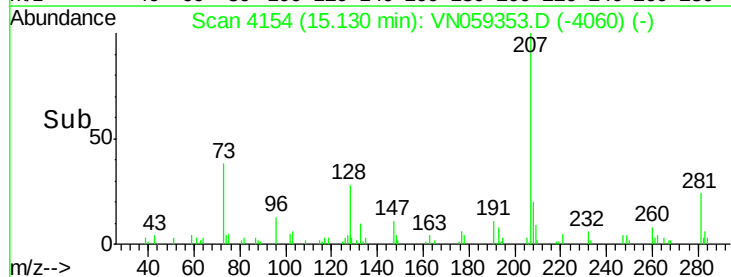
Tgt Ion:	128	Resp:	3632
Ion	Ratio	Lower	Upper
128	100		
127	9.7	10.2	15.2#
129	6.6	8.6	13.0#

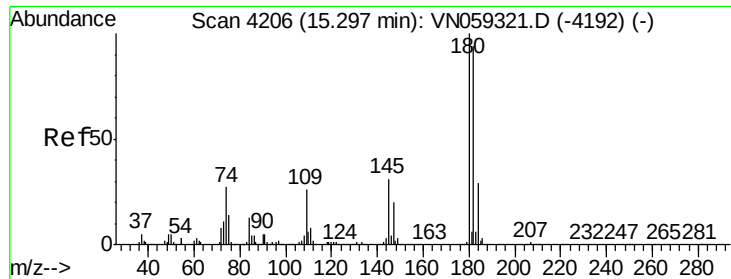


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 2.246 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.01 min
 Lab File: VN059353.D
 Acq: 22 Nov 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	79.5	47.1	141.4
145	23.4	15.6	46.8

