

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112619\
 Data File : VN059400.D
 Acq On : 26 Nov 2019 12:45
 Operator : JC/SP
 Sample : VN1126MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126MBL01

Quant Time: Nov 26 13:48:57 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	384164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	586560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	494943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	177876	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	211879	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
35) Dibromofluoromethane	7.56	113	173767	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
50) Toluene-d8	10.08	98	703811	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.40	95	217427	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	

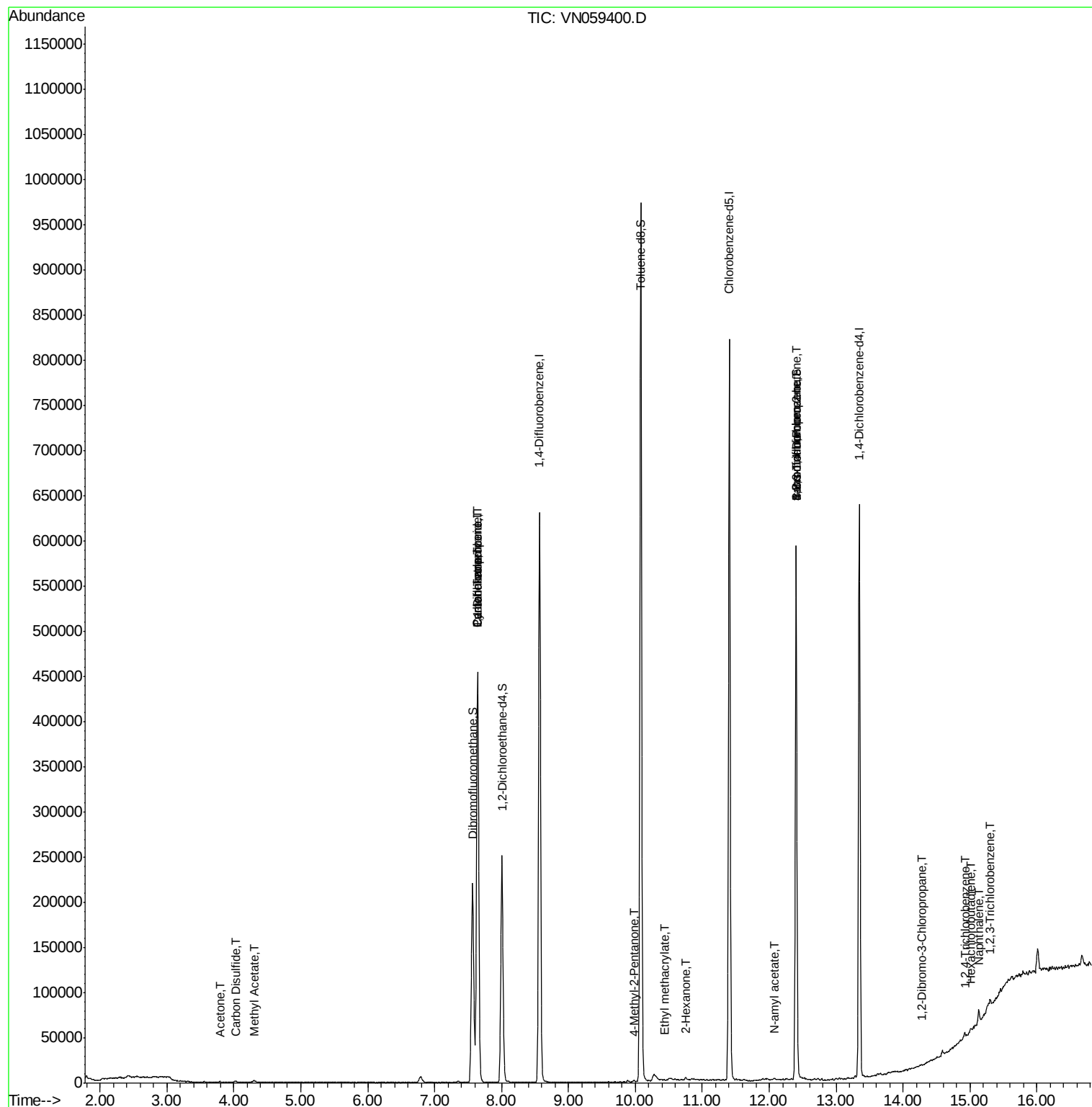
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	433	0.210	ug/l #	42
17) Carbon Disulfide	4.02	76	1308	0.240	ug/l #	75
18) Methyl Acetate	4.30	43	2677	0.390	ug/l #	73
31) Cyclohexane	7.64	56	6737	0.830	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	27323	4.512	ug/l #	50
38) Carbon Tetrachloride	7.64	117	34986	6.035	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	1979	0.340	ug/l #	77
56) Ethyl methacrylate	10.43	69	140	2.212	ug/l #	44
59) 2-Hexanone	10.75	43	2113	0.496	ug/l	95
71) Bromoform	12.40	173	1250	0.427	ug/l #	1
74) N-amyl acetate	12.08	43	1186	0.203	ug/l #	83
76) 1,2,3-Trichloropropane	12.40	75	103945	25.295	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	103945	63.266	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.27	75	410	0.400	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.92	180	2334	3.518	ug/l	89
94) Hexachlorobutadiene	15.01	225	747	0.340	ug/l	91
95) Naphthalene	15.13	128	9848	4.048	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	3261	2.745	ug/l	90

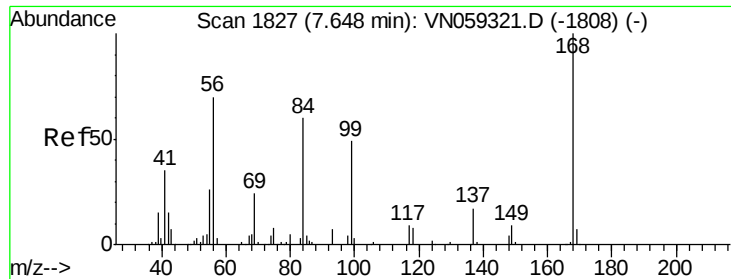
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VN059400.D

Acq: 26 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

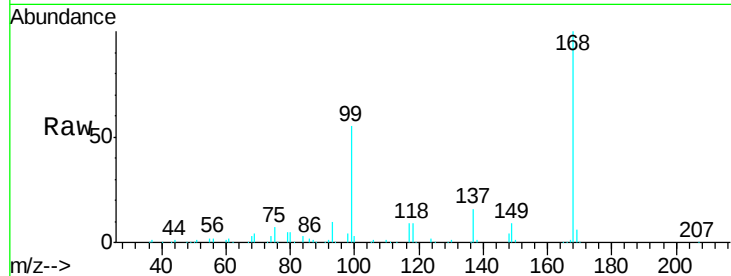
VN1126MBL01

Tgt Ion:168 Resp: 384164

Ion Ratio Lower Upper

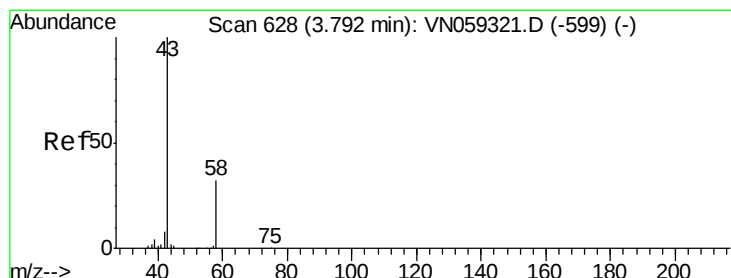
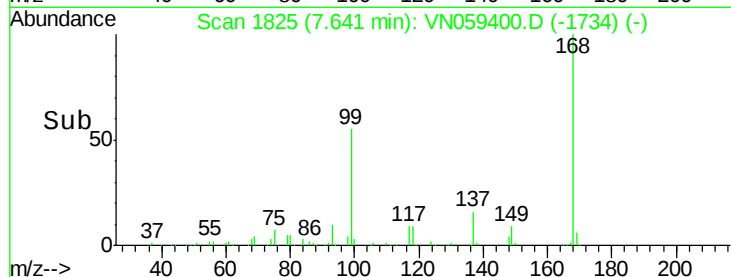
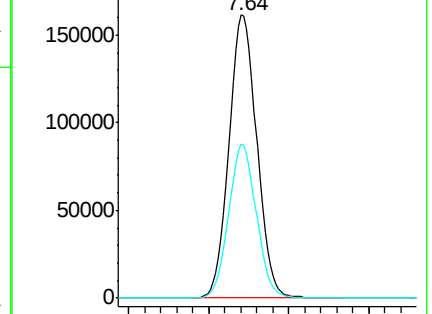
168 100

99 54.5 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 0.210 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN059400.D

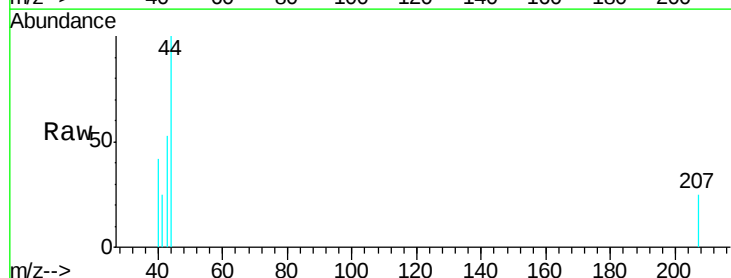
Acq: 26 Nov 2019 12:45

Tgt Ion: 43 Resp: 433

Ion Ratio Lower Upper

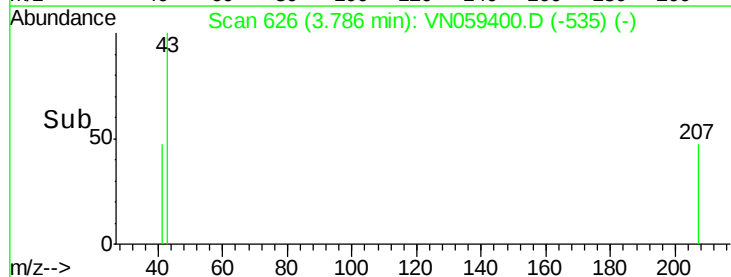
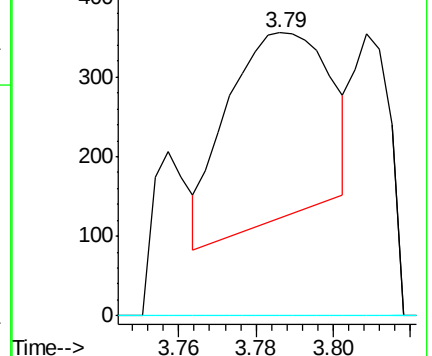
43 100

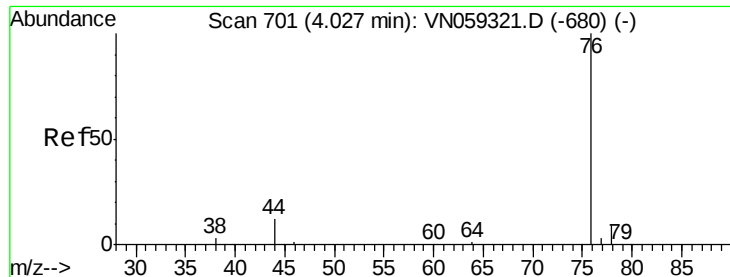
58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

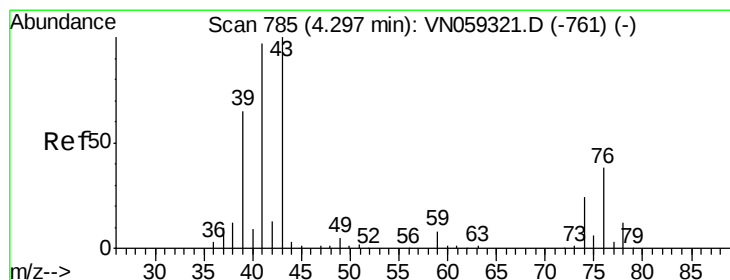
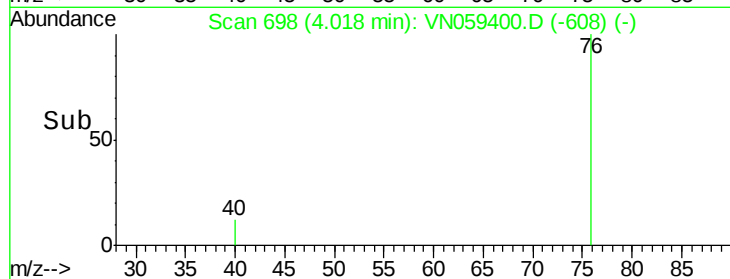
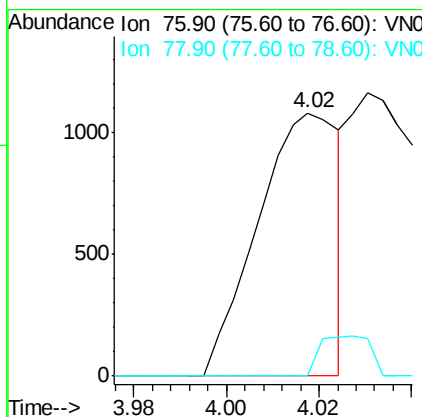
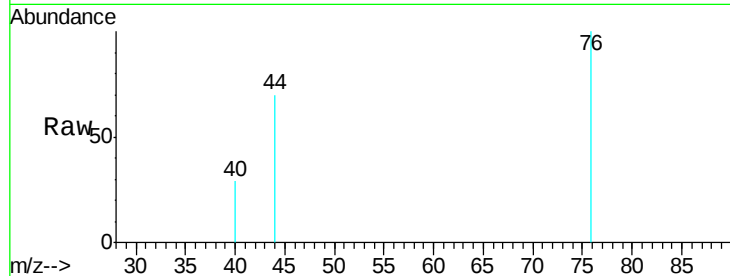




#17
Carbon Disulfide
Concen: 0.240 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.01 min
Lab File: VN059400.D
Acq: 26 Nov 2019 12:45

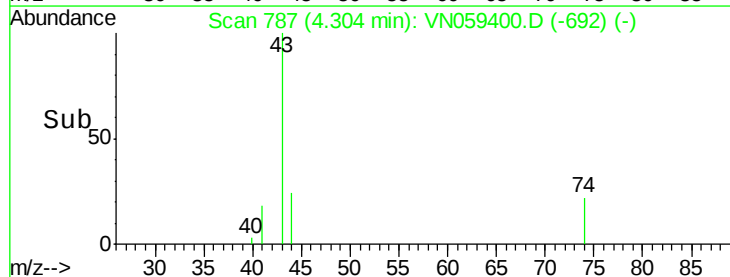
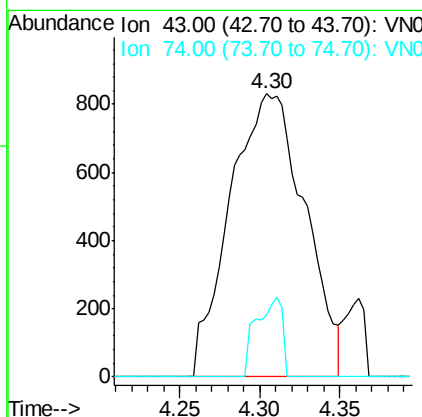
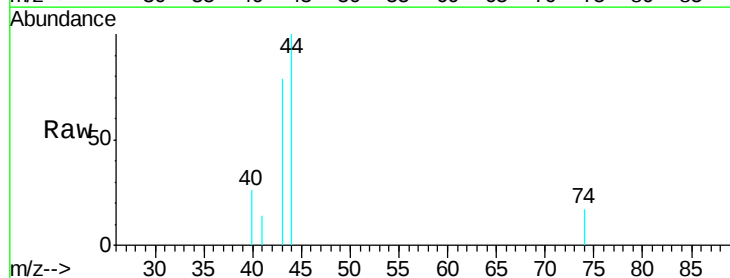
Instrument :
MSVOA_N
ClientSampled :
VN1126MBL01

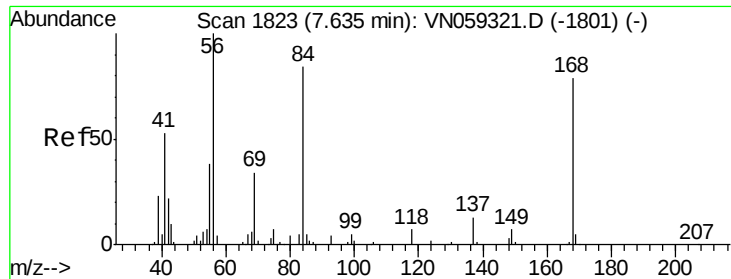
Tgt Ion: 76 Resp: 1308
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.390 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN059400.D
Acq: 26 Nov 2019 12:45

Tgt Ion: 43 Resp: 2677
Ion Ratio Lower Upper
43 100
74 9.6 18.1 27.1#

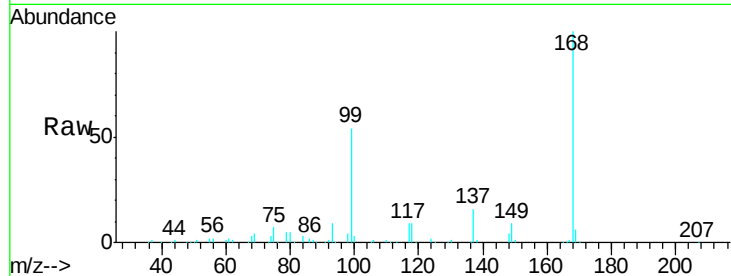




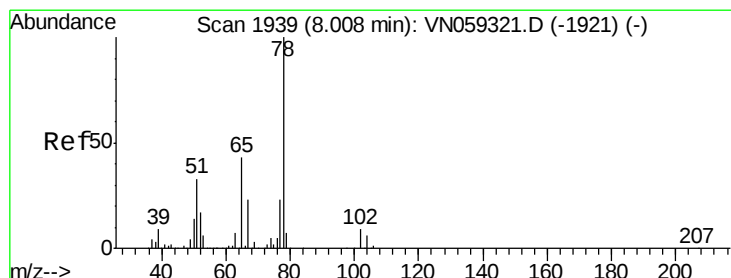
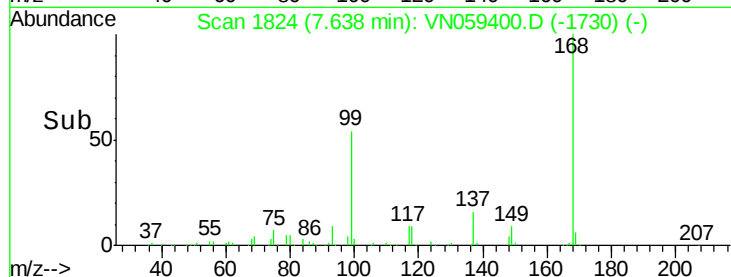
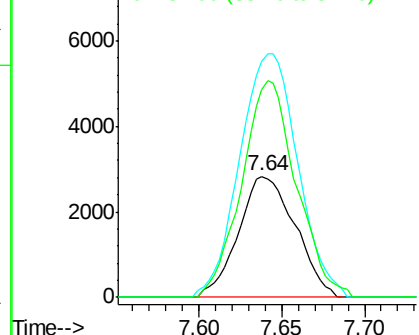
#31
Cyclohexane
Concen: 0.830 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN059400.D
Acq: 26 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1126MBL01

Tgt Ion: 56 Resp: 6737
Ion Ratio Lower Upper
56 100
69 194.5 26.6 40.0#
84 171.5 67.0 100.4#

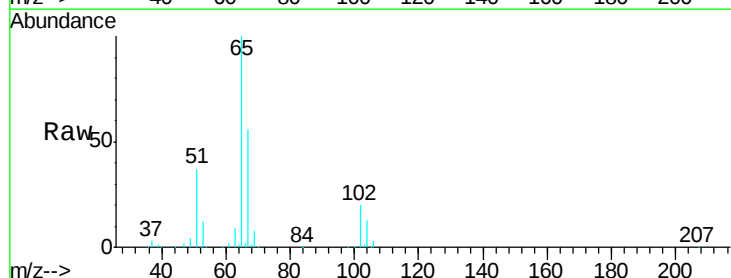


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

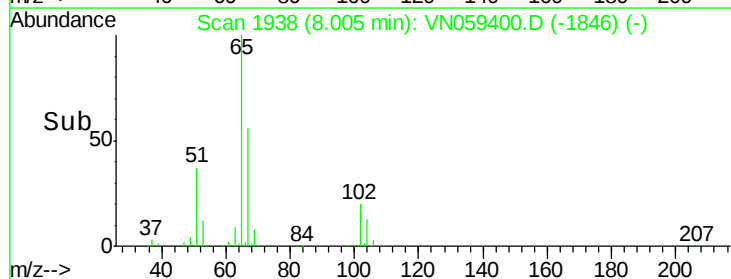
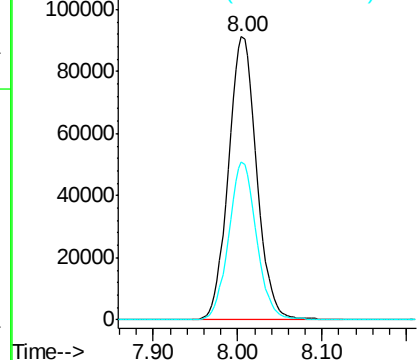


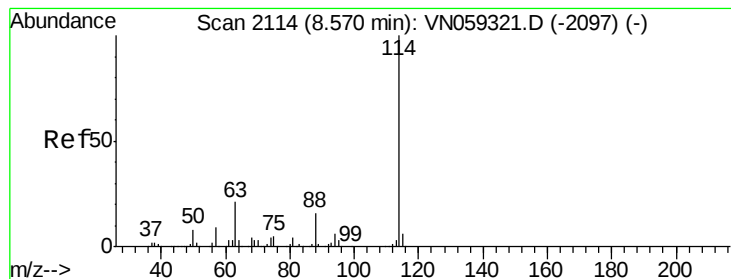
#33
1,2-Dichloroethane-d4
Concen: 45.967 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN059400.D
Acq: 26 Nov 2019 12:45

Tgt Ion: 65 Resp: 211879
Ion Ratio Lower Upper
65 100
67 54.9 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059400.D

Acq: 26 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1126MBL01

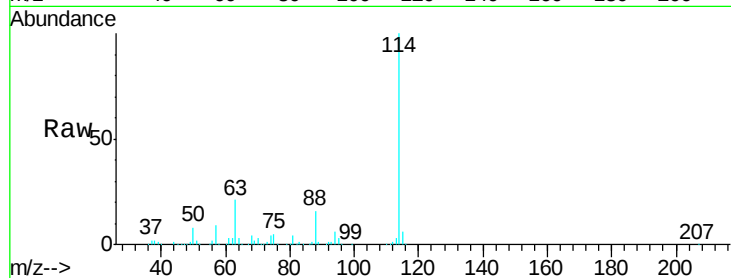
Tgt Ion:114 Resp: 586560

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.2

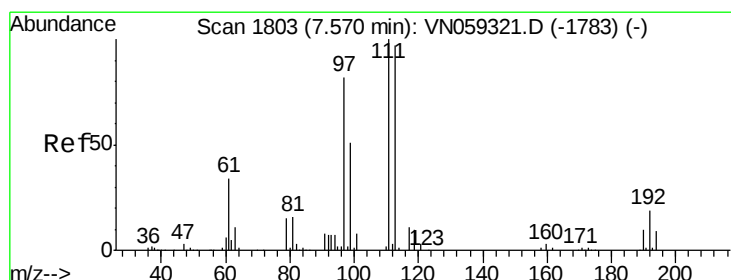
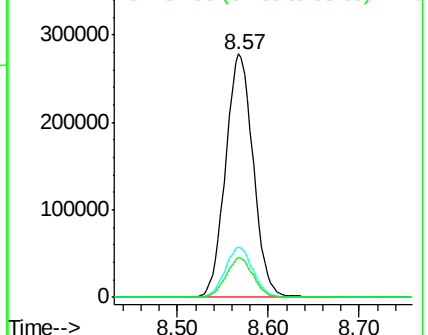
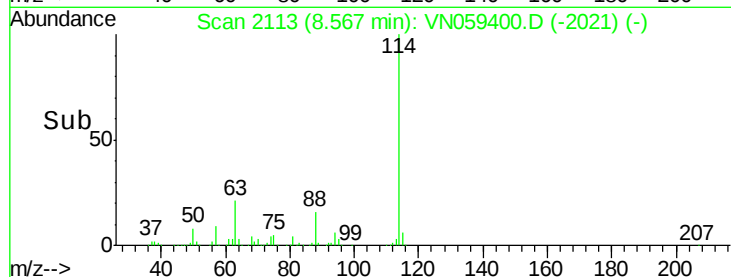
88 16.2 0.0 32.2



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: 49.379 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.01 min

Lab File: VN059400.D

Acq: 26 Nov 2019 12:45

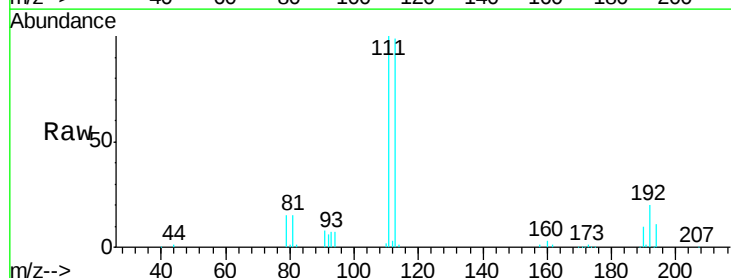
Tgt Ion:113 Resp: 173767

Ion Ratio Lower Upper

113 100

111 103.2 82.7 124.1

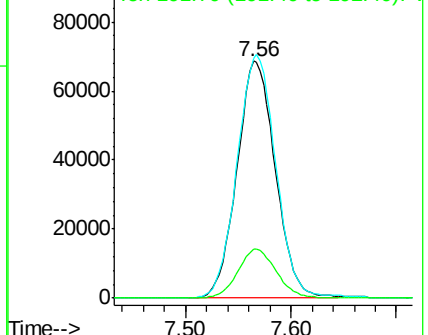
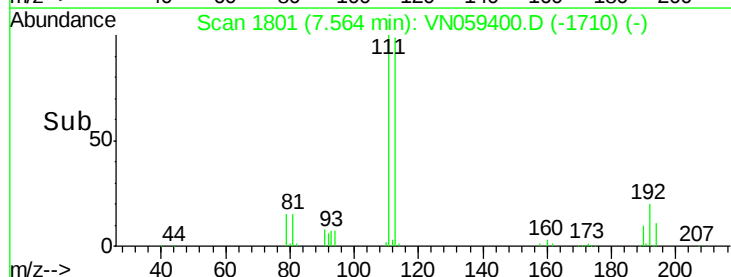
192 20.7 16.3 24.5

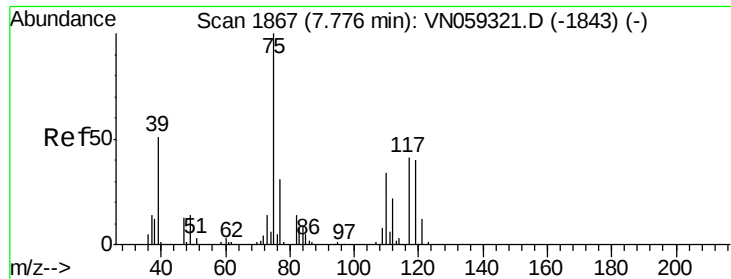


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

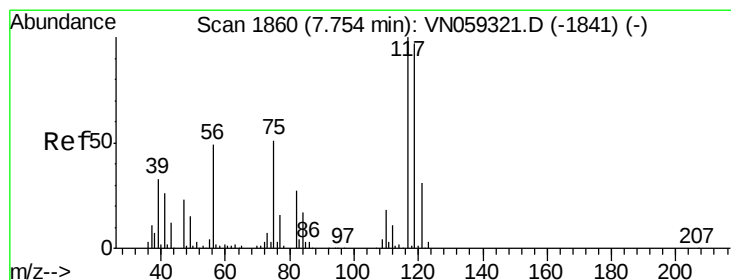
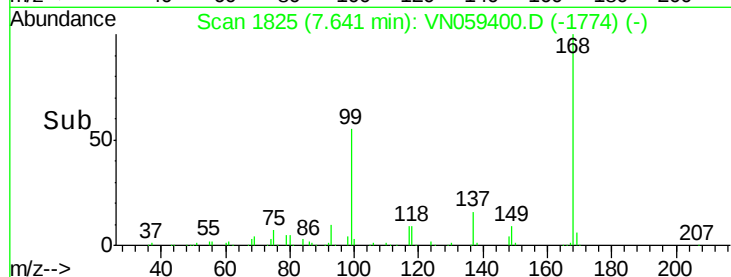
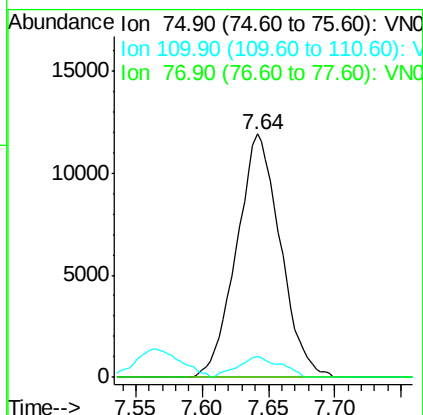
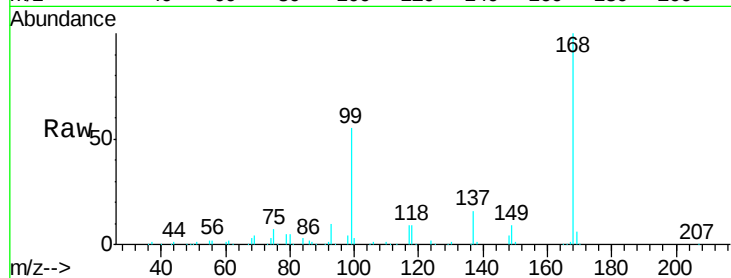




#36
 1,1-Dichloropropene
 Concen: 4.512 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059400.D
 Acq: 26 Nov 2019 12:45

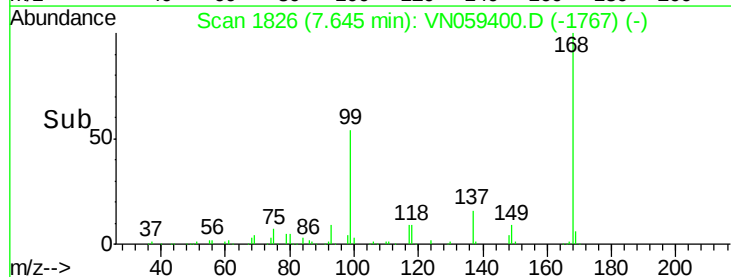
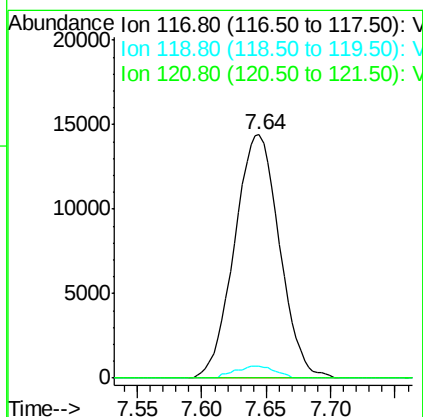
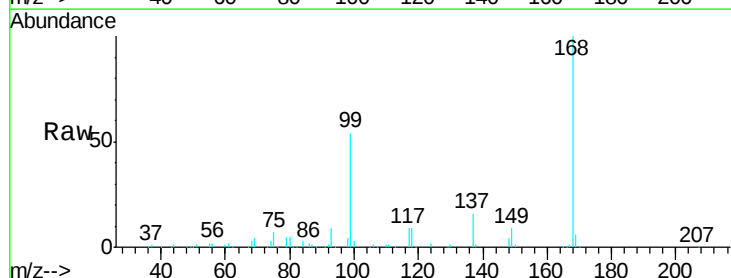
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126MBL01

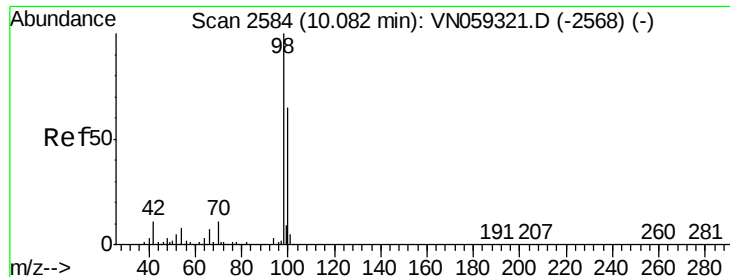
Tgt Ion: 75 Resp: 27323
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.0 51.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.035 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059400.D
 Acq: 26 Nov 2019 12:45

Tgt Ion: 117 Resp: 34986
 Ion Ratio Lower Upper
 117 100
 119 4.7 77.0 115.4#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 50.309 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059400.D

Acq: 26 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

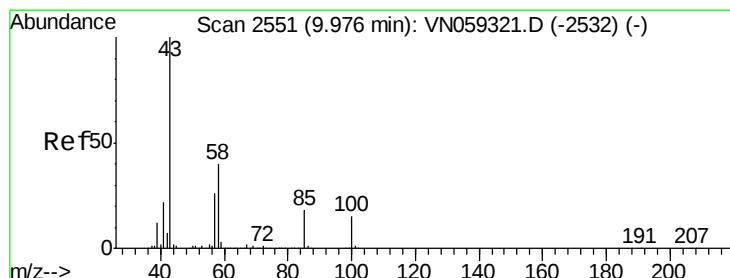
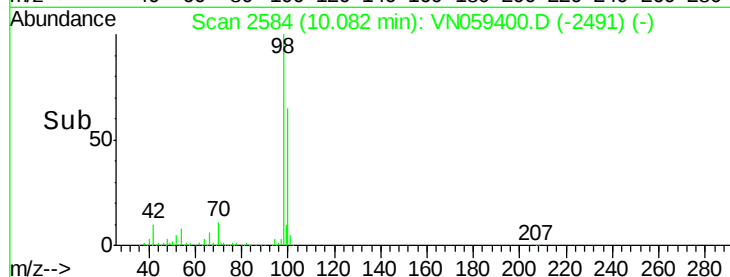
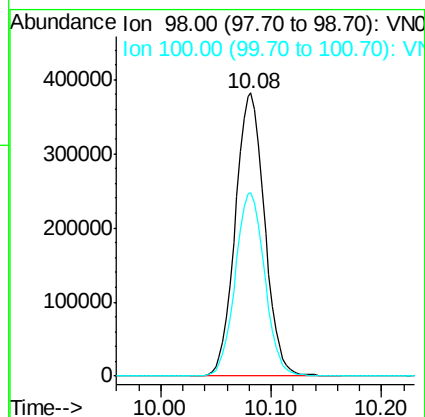
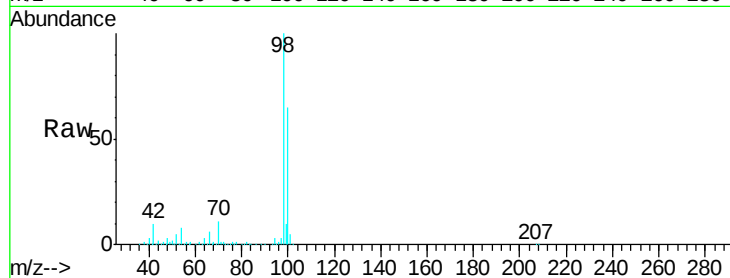
VN1126MBL01

Tgt Ion: 98 Resp: 703811

Ion Ratio Lower Upper

98 100

100 65.2 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.340 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059400.D

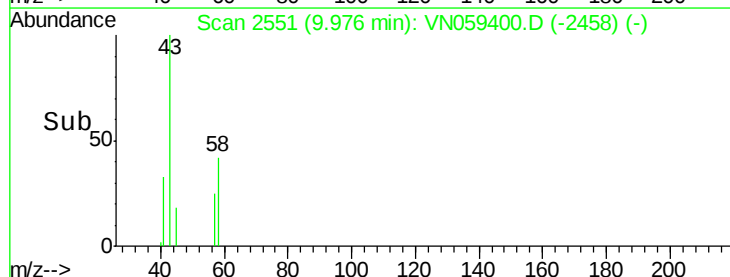
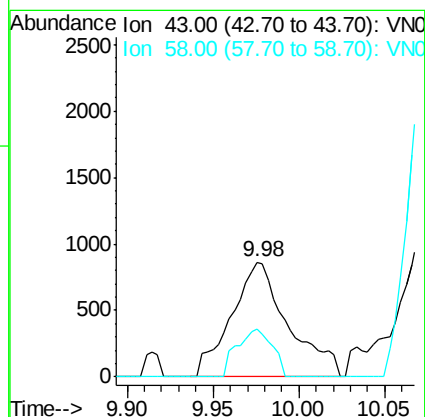
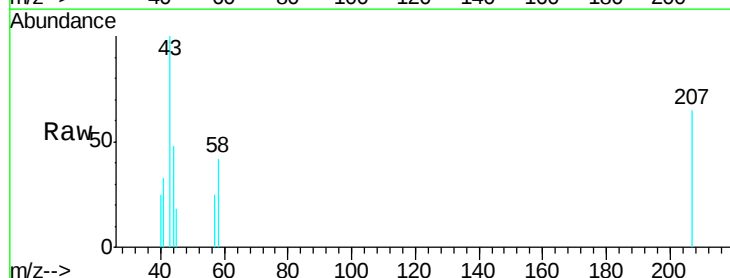
Acq: 26 Nov 2019 12:45

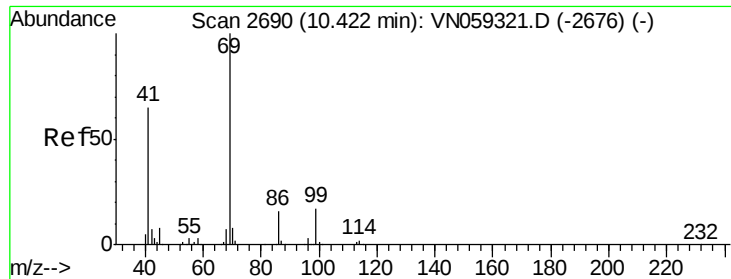
Tgt Ion: 43 Resp: 1979

Ion Ratio Lower Upper

43 100

58 25.8 31.8 47.8#





#56

Ethyl methacrylate

Concen: 2.212 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.01 min

Lab File: VN059400.D

Acq: 26 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampled :

VN1126MBL01

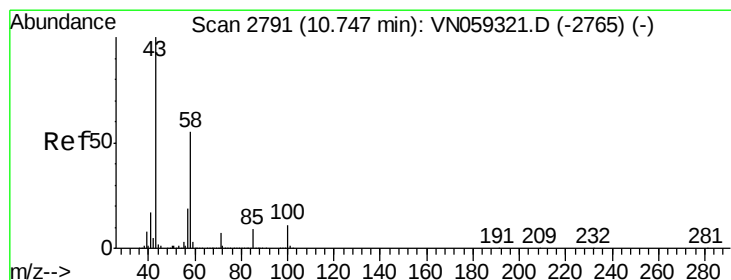
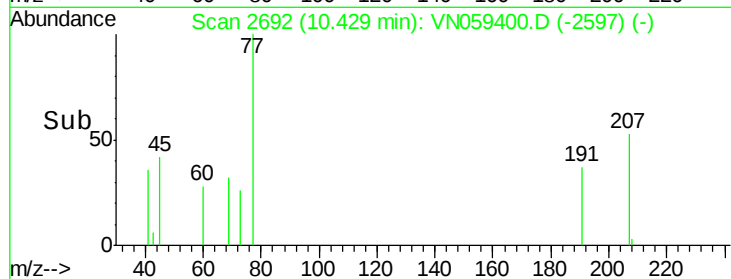
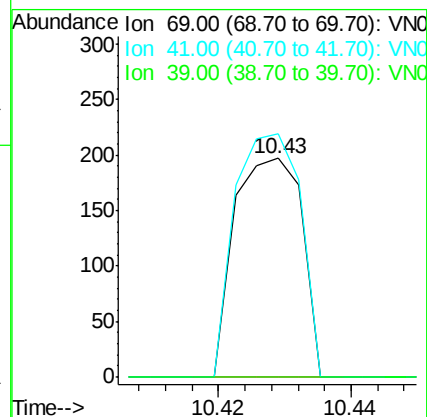
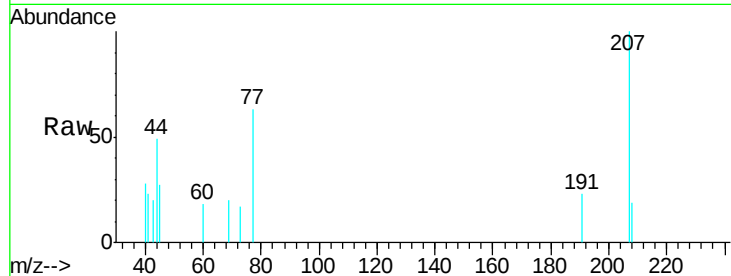
Tgt Ion: 69 Resp: 140

Ion Ratio Lower Upper

69 100

41 107.9 51.7 77.5#

39 0.0 25.2 37.8#



#59

2-Hexanone

Concen: 0.496 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN059400.D

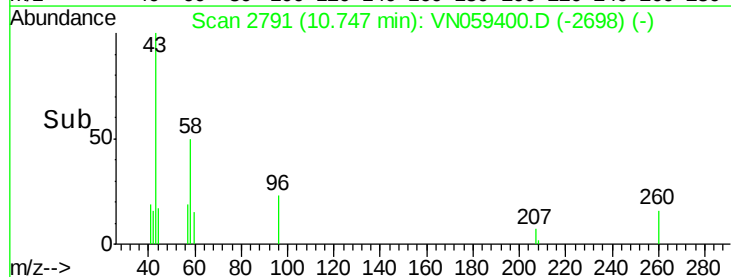
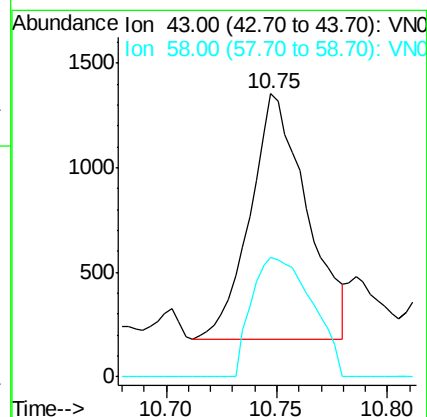
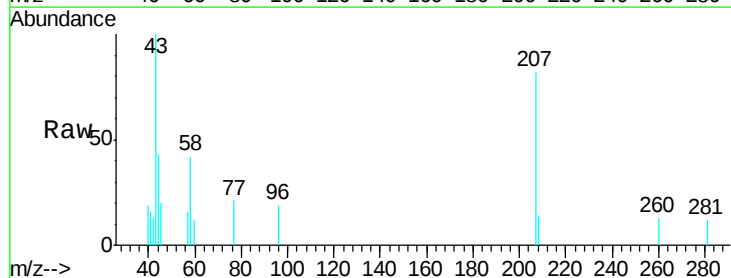
Acq: 26 Nov 2019 12:45

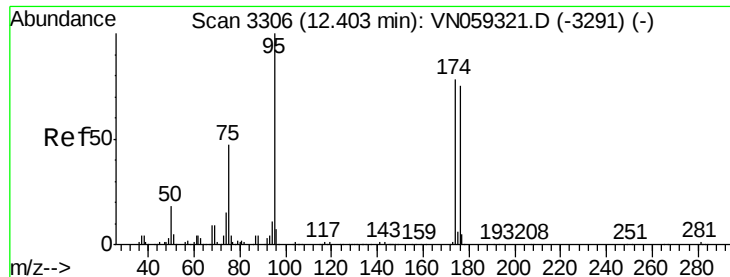
Tgt Ion: 43 Resp: 2113

Ion Ratio Lower Upper

43 100

58 51.4 27.7 83.0





#62

4-Bromofluorobenzene

Concen: 44.449 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059400.D

Acq: 26 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1126MBL01

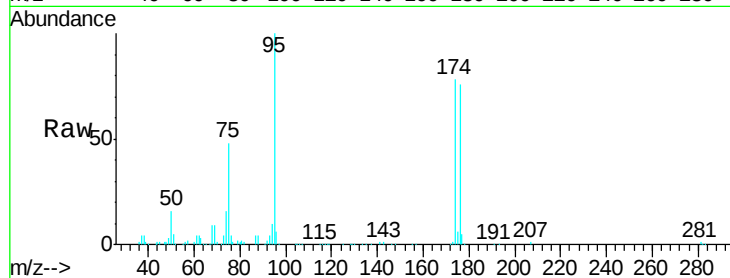
Tgt Ion: 95 Resp: 217427

Ion Ratio Lower Upper

95 100

174 79.6 0.0 157.4

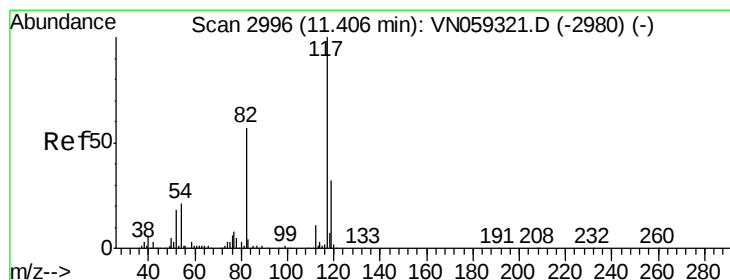
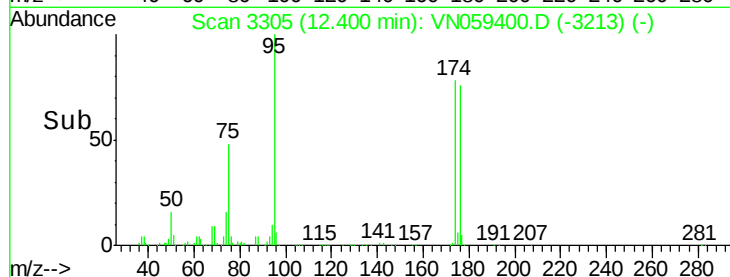
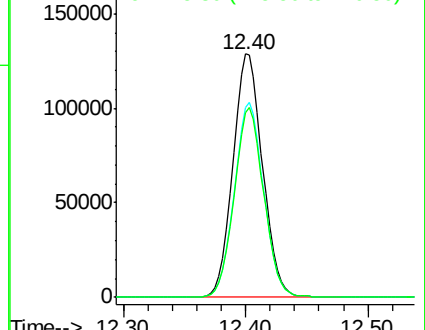
176 77.5 0.0 151.2



Abundance Ion 94.90 (94.60 to 95.60): VN059321.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059321.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059321.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059400.D

Acq: 26 Nov 2019 12:45

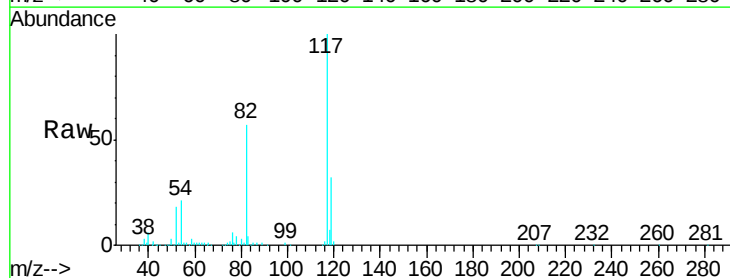
Tgt Ion: 117 Resp: 494943

Ion Ratio Lower Upper

117 100

82 57.0 45.7 68.5

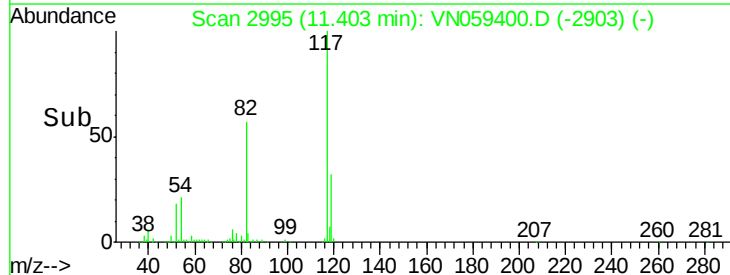
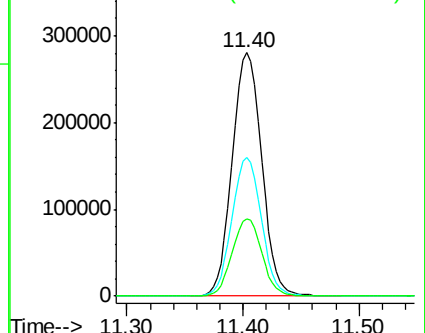
119 31.9 25.8 38.6

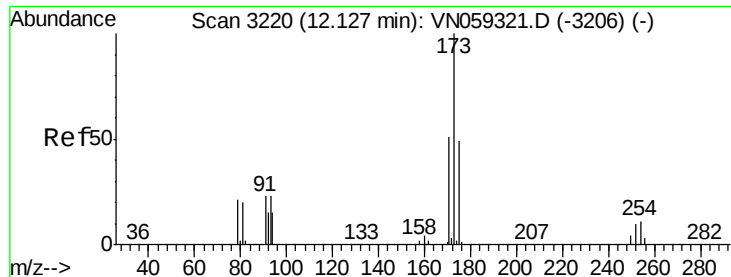


Abundance Ion 116.90 (116.60 to 117.60): VN059321.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN059321.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN059321.D (-2980) (-)





#71

Bromoform

Concen: 0.427 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059400.D

Acq: 26 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1126MBL01

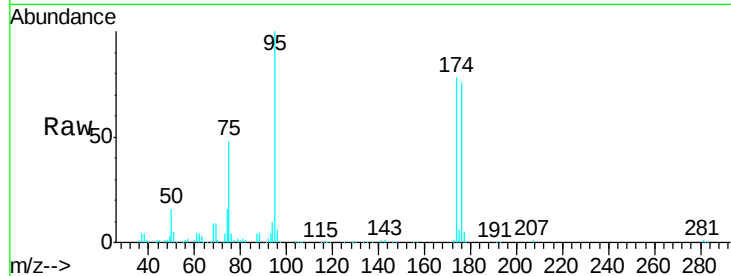
Tgt Ion:173 Resp: 1250

Ion Ratio Lower Upper

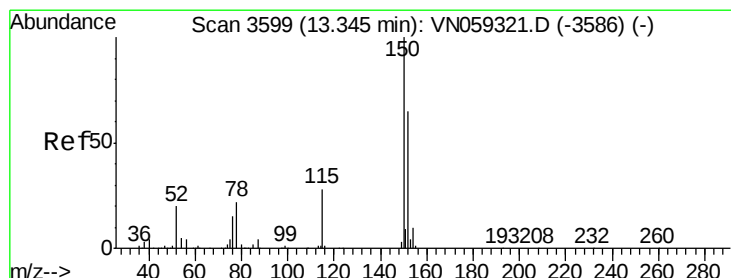
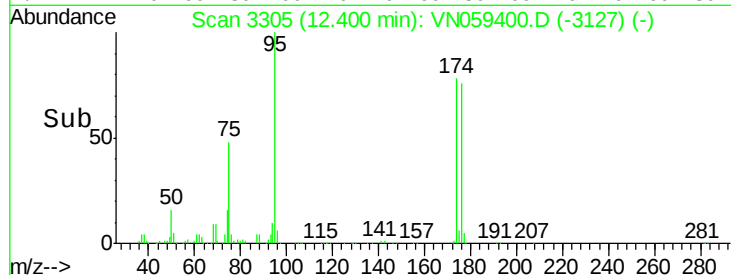
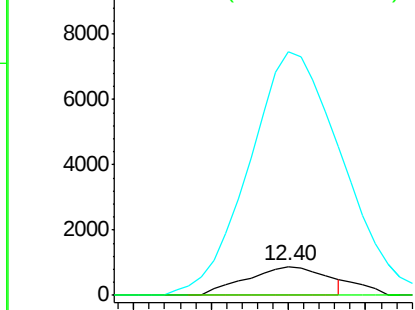
173 100

175 852.9 24.6 73.6#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059400.D

Acq: 26 Nov 2019 12:45

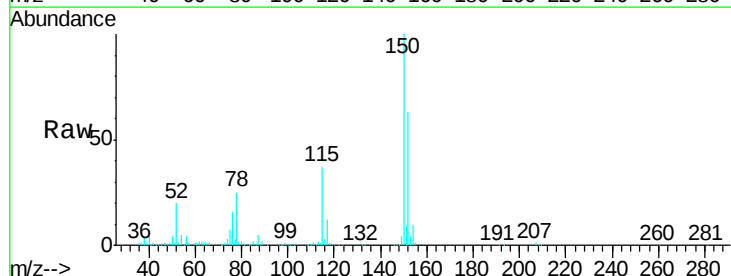
Tgt Ion:152 Resp: 177876

Ion Ratio Lower Upper

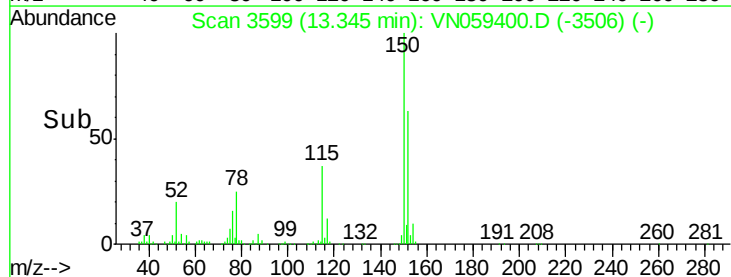
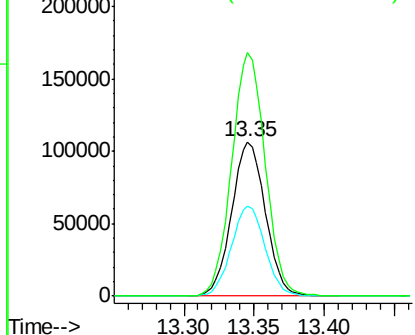
152 100

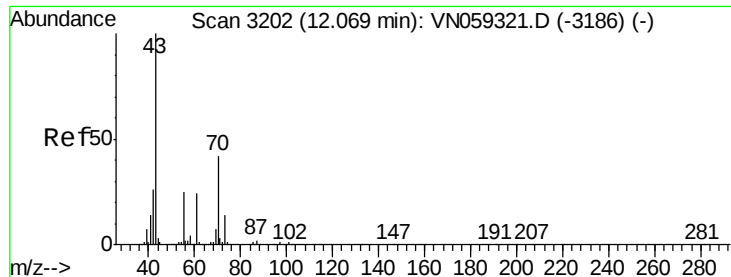
115 58.9 29.3 88.0

150 157.6 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





#74

N-ethyl acetate

Concen: 0.203 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN059400.D

Acq: 26 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1126MBL01

Tgt Ion: 43 Resp: 1186

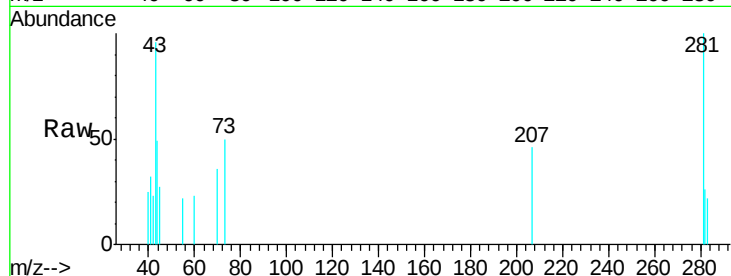
Ion Ratio Lower Upper

43 100

70 38.7 33.8 50.6

55 24.0 20.3 30.5

61 0.0 19.9 29.9#

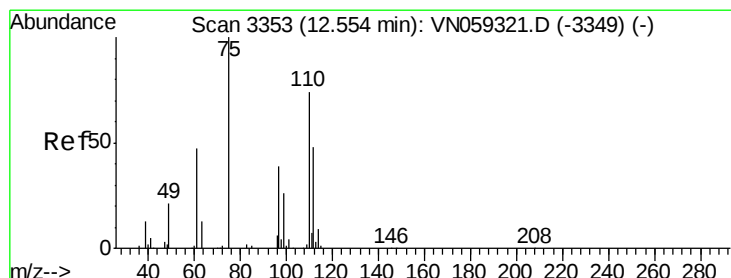
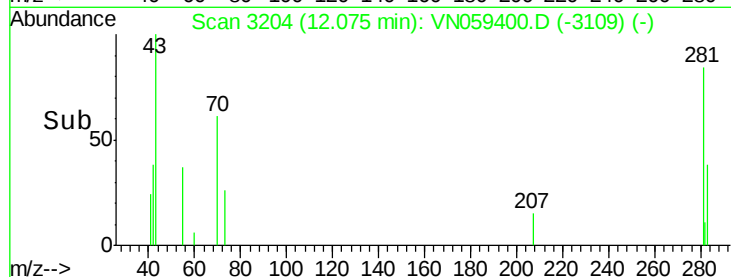
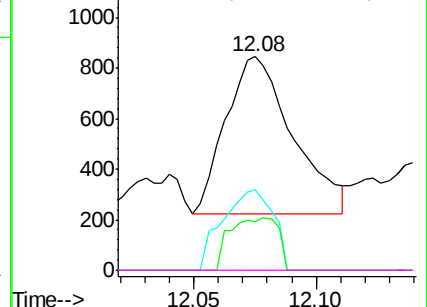


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 25.295 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059400.D

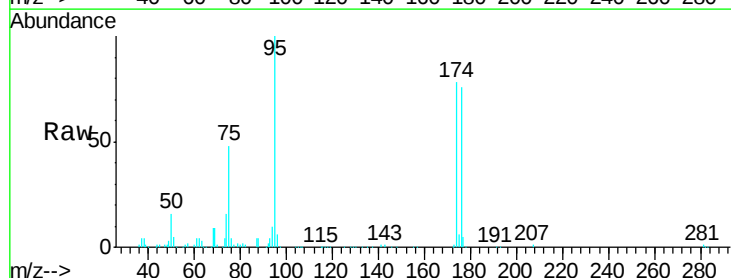
Acq: 26 Nov 2019 12:45

Tgt Ion: 75 Resp: 103945

Ion Ratio Lower Upper

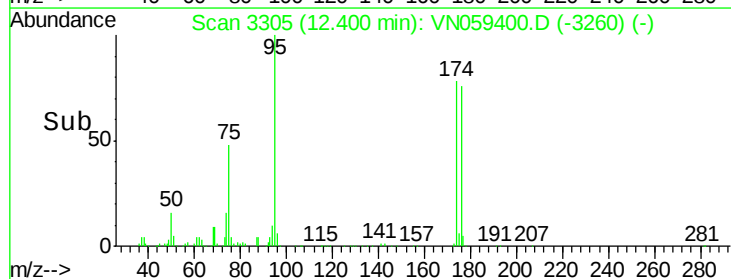
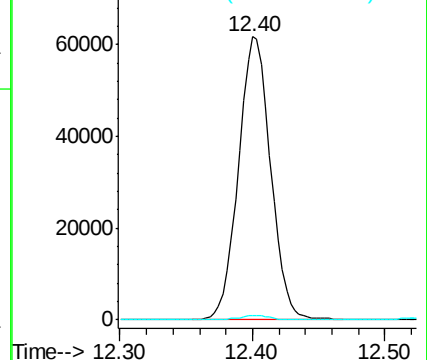
75 100

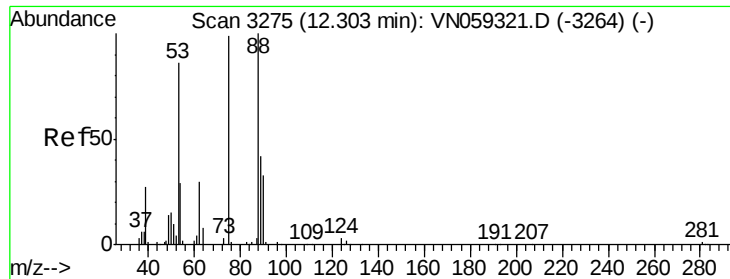
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 63.266 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059400.D

Acq: 26 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1126MBL01

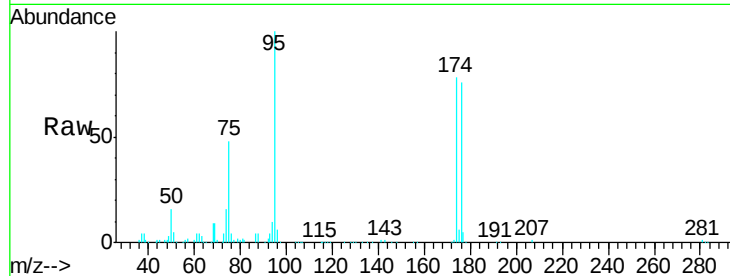
Tgt Ion: 75 Resp: 103945

Ion Ratio Lower Upper

75 100

53 0.0 70.7 106.1#

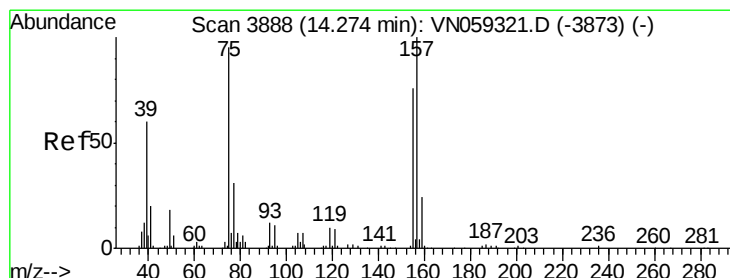
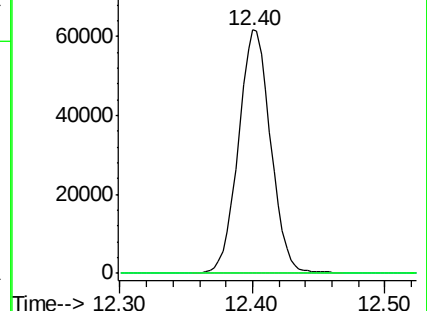
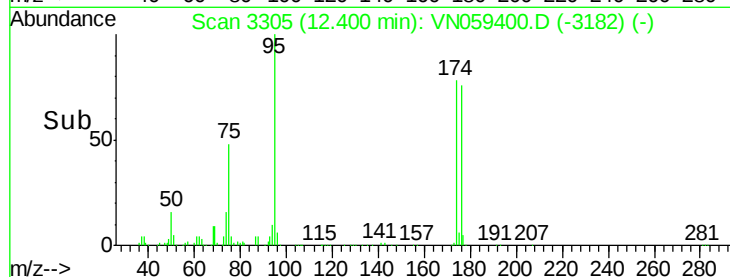
89 0.0 35.4 53.0#



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: 0.400 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.01 min

Lab File: VN059400.D

Acq: 26 Nov 2019 12:45

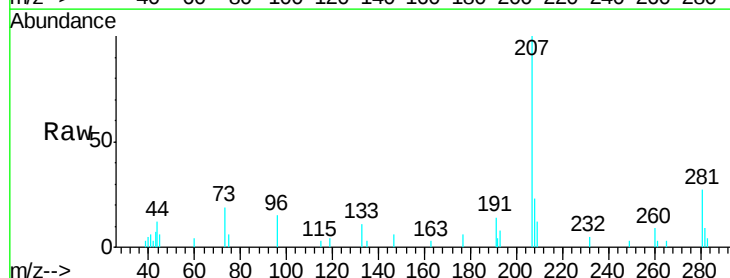
Tgt Ion: 75 Resp: 410

Ion Ratio Lower Upper

75 100

155 0.0 40.5 121.5#

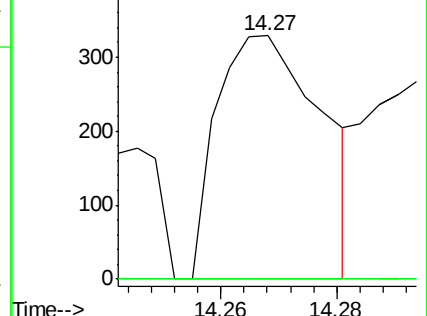
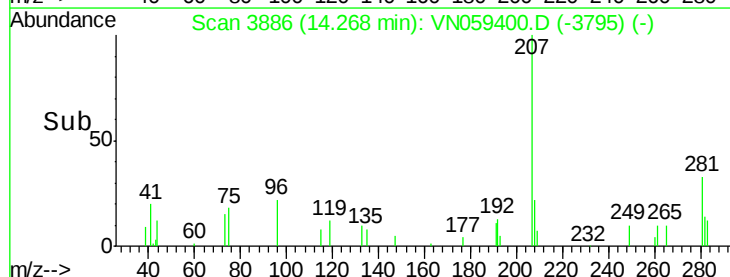
157 0.0 52.7 158.1#

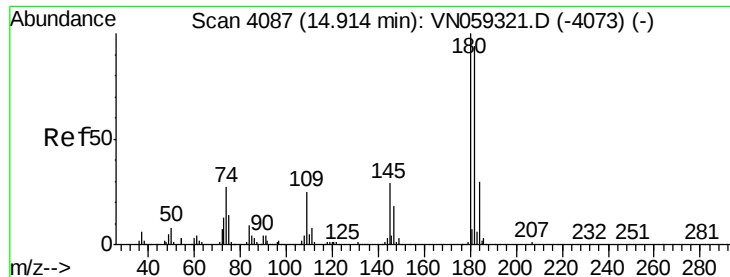


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

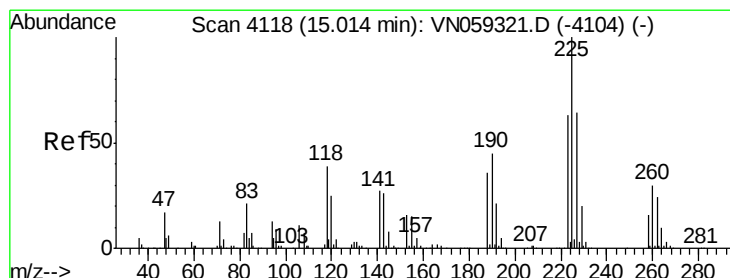
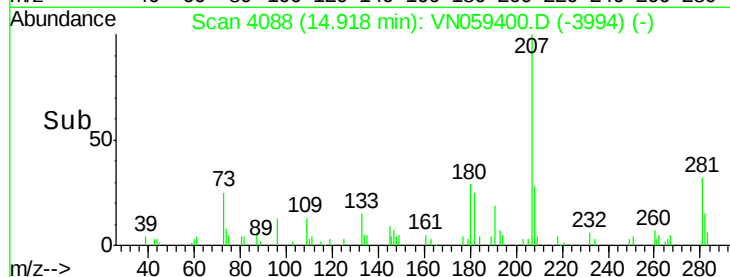
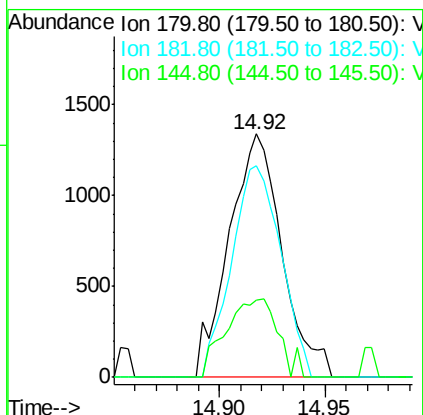
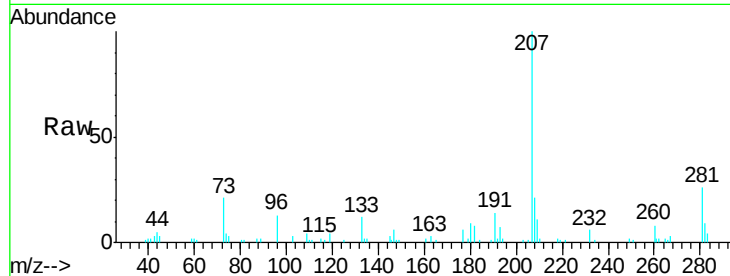




#93
 1,2,4-Trichlorobenzene
 Concen: 3.518 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059400.D
 Acq: 26 Nov 2019 12:45

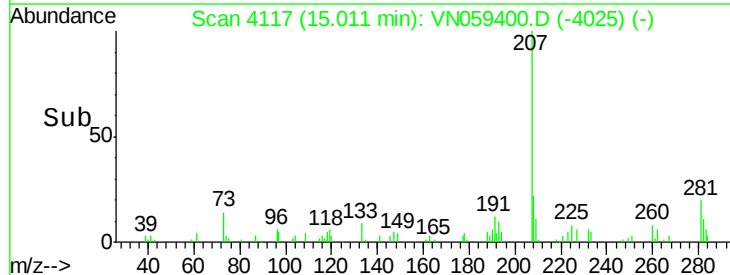
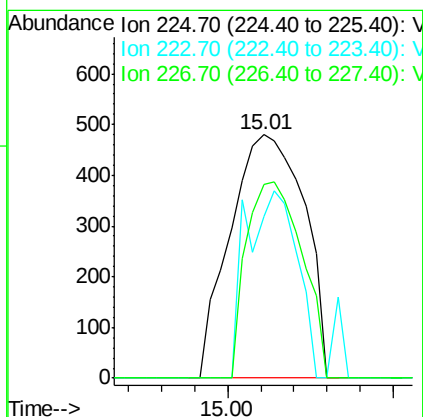
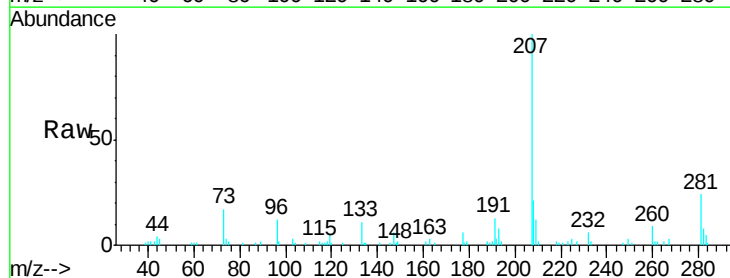
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126MBL01

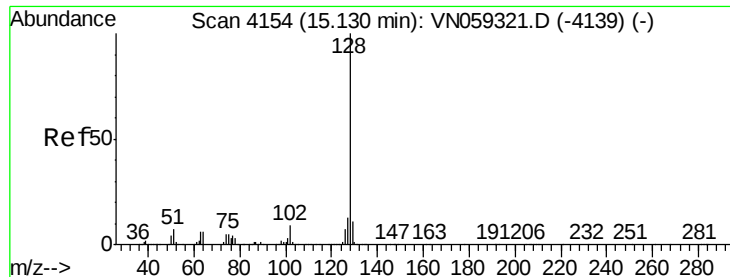
Tgt Ion:180 Resp: 2334
 Ion Ratio Lower Upper
 180 100
 182 81.2 47.2 141.6
 145 31.9 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 0.340 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059400.D
 Acq: 26 Nov 2019 12:45

Tgt Ion:225 Resp: 747
 Ion Ratio Lower Upper
 225 100
 223 53.1 31.6 94.8
 227 60.8 32.6 97.7





#95

Naphthalene

Concen: 4.048 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059400.D

Acq: 26 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1126MBL01

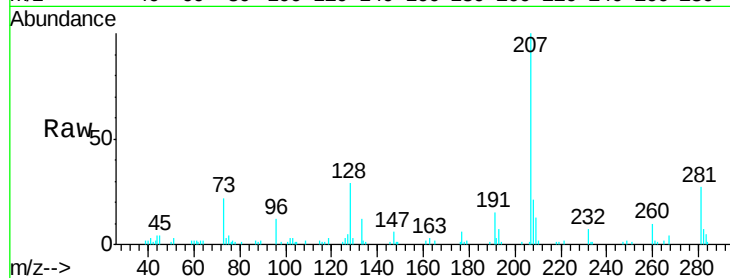
Tgt Ion:128 Resp: 9848

Ion Ratio Lower Upper

128 100

127 14.8 10.2 15.2

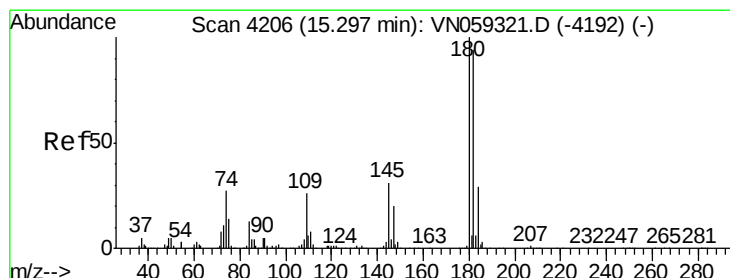
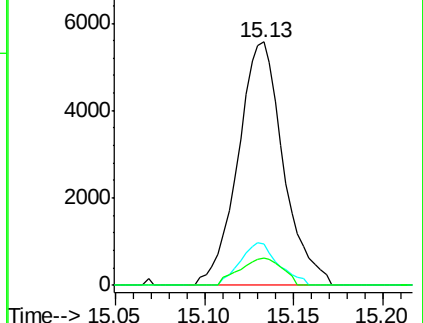
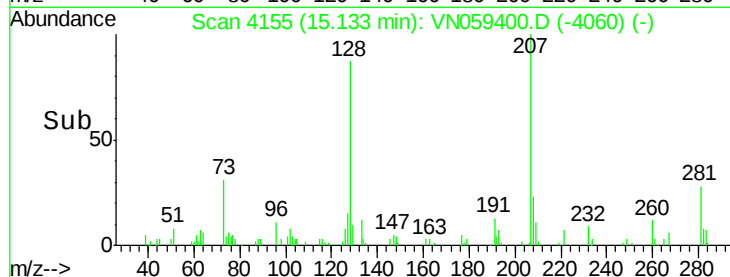
129 10.5 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 2.745 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059400.D

Acq: 26 Nov 2019 12:45

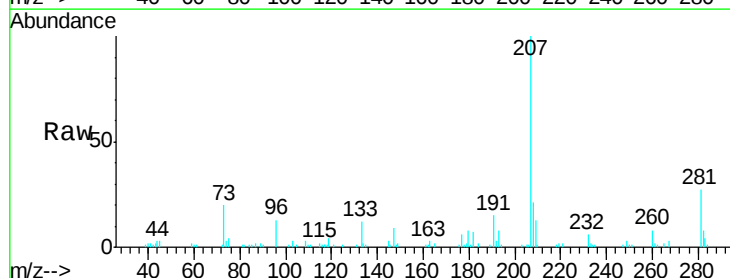
Tgt Ion:180 Resp: 3261

Ion Ratio Lower Upper

180 100

182 86.3 47.1 141.4

145 39.1 15.6 46.8



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

