

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN020620\
 Data File : VN060014.D
 Acq On : 6 Feb 2020 13:46
 Operator : JC/MD
 Sample : PB126618ZHE#10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126618ZHE#10

Quant Time: Feb 06 16:57:57 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	196274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	304413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	283731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126054	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112163	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
35) Dibromofluoromethane	7.57	113	92539	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.08	98	365577	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.40	95	132656	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	

Target Compounds

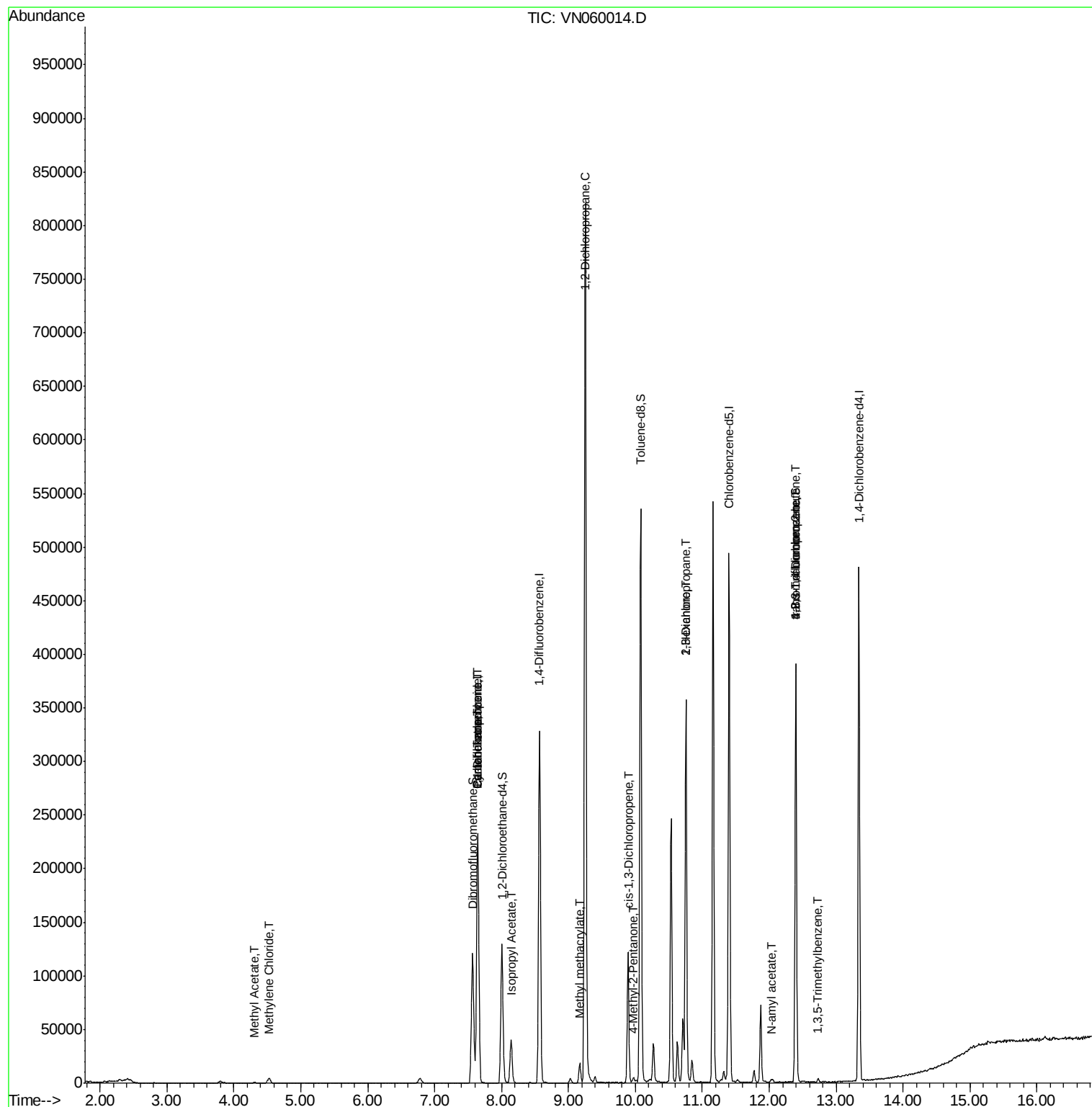
						Qvalue
16) Acetone	3.79	43	3707	Below Cal		94
18) Methyl Acetate	4.31	43	1126	0.44 ug/l	#	54
20) Methylene Chloride	4.52	84	3560	0.52 ug/l		92
31) Cyclohexane	7.64	56	3808	1.18 ug/l	#	9
36) 1,1-Dichloropropene	7.64	75	13524	5.10 ug/l	#	51
38) Carbon Tetrachloride	7.64	117	18450	6.40 ug/l	#	16
43) Isopropyl Acetate	8.14	43	48237	11.28 ug/l	#	91
45) 1,2-Dichloropropane	9.25	63	1055	0.54 ug/l	#	44
48) Methyl methacrylate	9.17	41	2518	1.32 ug/l	#	13
51) 4-Methyl-2-Pentanone	9.97	43	3873	1.57 ug/l	#	82
54) cis-1,3-Dichloropropene	9.89	75	22686	6.94 ug/l	#	58
57) 1,3-Dichloropropane	10.75	76	3777	1.20 ug/l	#	42
59) 2-Hexanone	10.75	43	51529	28.29 ug/l	#	54
74) N-amyl acetate	12.03	43	2431	0.68 ug/l	#	45
76) 1,2,3-Trichloropropane	12.40	75	66808	31.49 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.73	105	2145	0.28 ug/l		94
81) trans-1,4-Dichloro-2-buten	12.40	75	66808	67.63 ug/l	#	11
92) 1,2-Dibromo-3-Chloropropan	14.28	75	91	Below Cal	#	6

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060014.D

Acq: 6 Feb 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

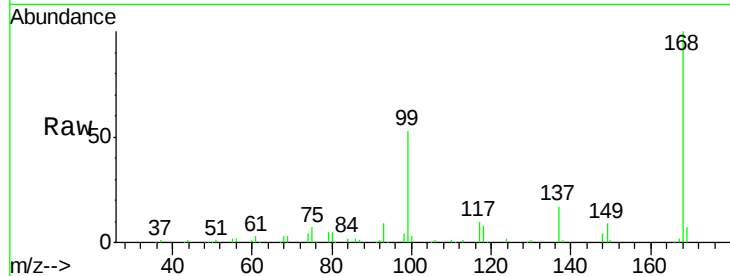
PB126618ZHE#10

Tgt Ion:168 Resp: 196274

Ion Ratio Lower Upper

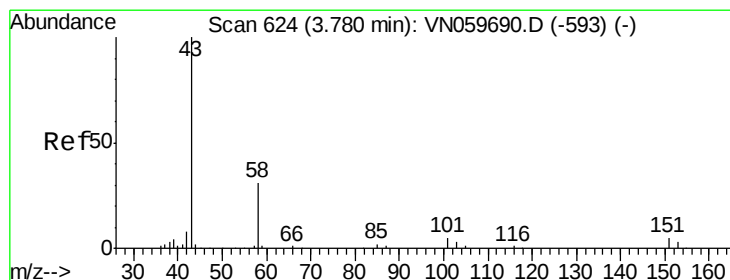
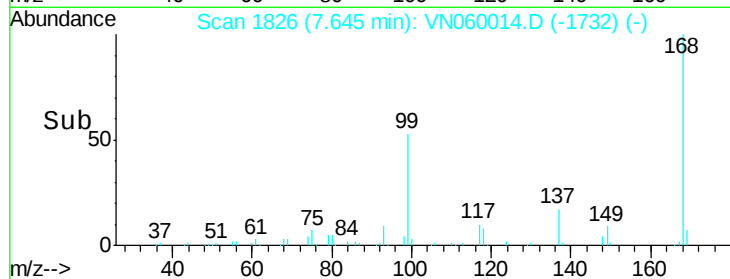
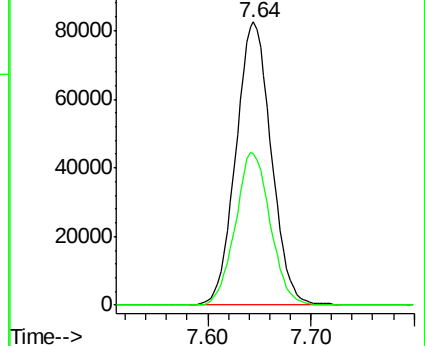
168 100

99 53.4 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: VN060014.D

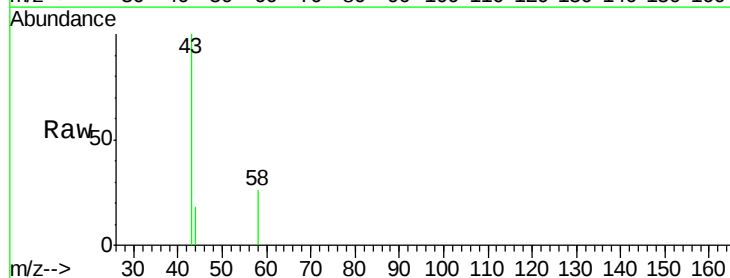
Acq: 6 Feb 2020 13:46

Tgt Ion: 43 Resp: 3707

Ion Ratio Lower Upper

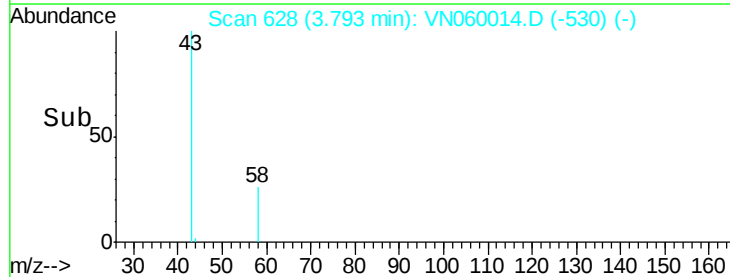
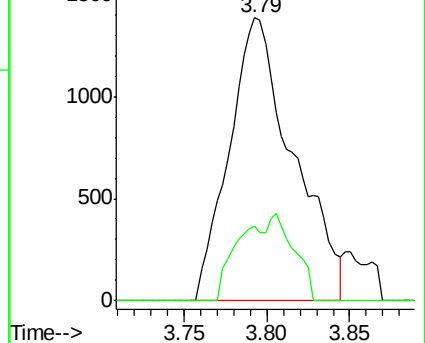
43 100

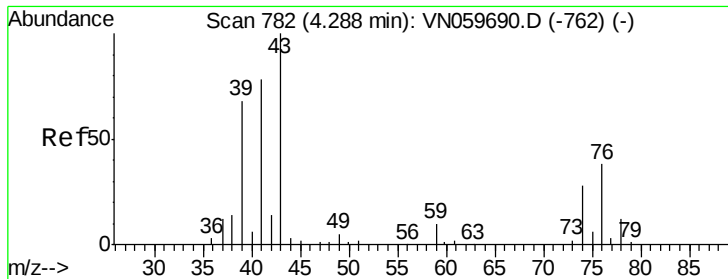
58 26.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

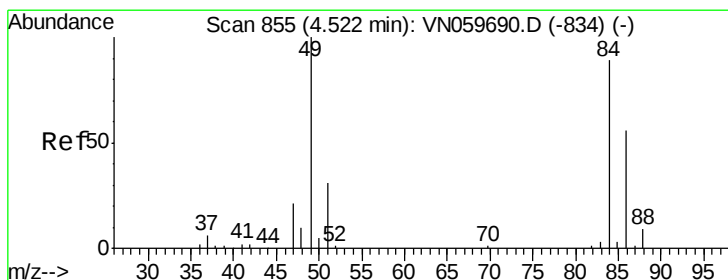
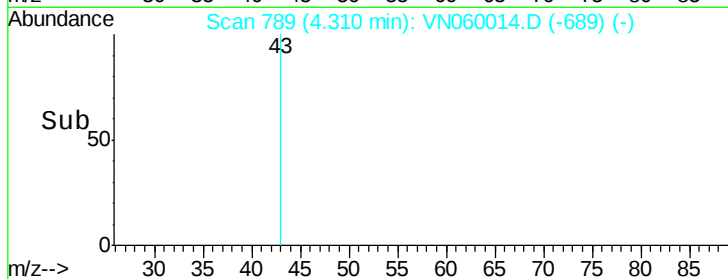
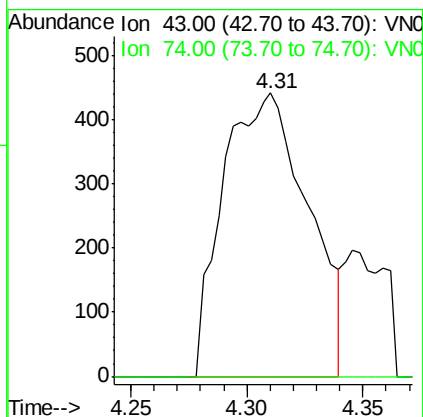
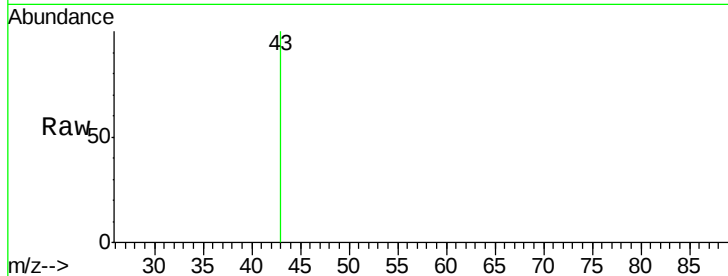




#18
Methyl Acetate
Concen: 0.44 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VN060014.D
Acq: 6 Feb 2020 13:46

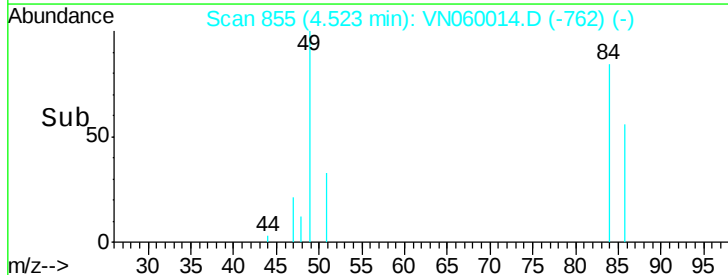
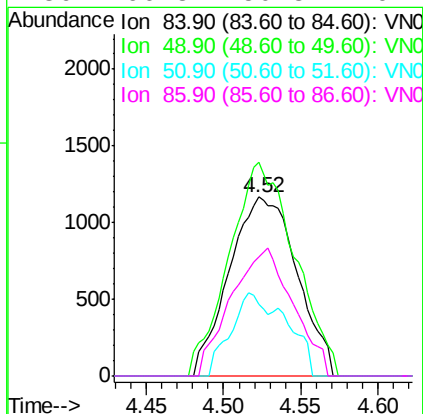
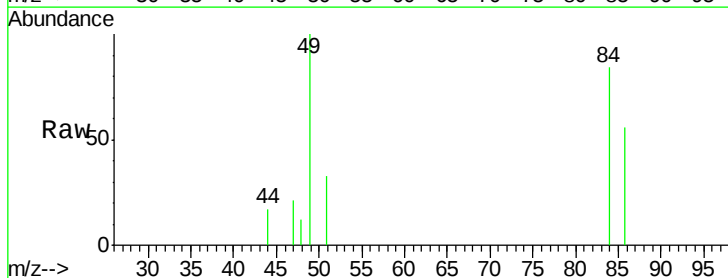
Instrument :
MSVOA_N
ClientSampleId :
PB126618ZHE#10

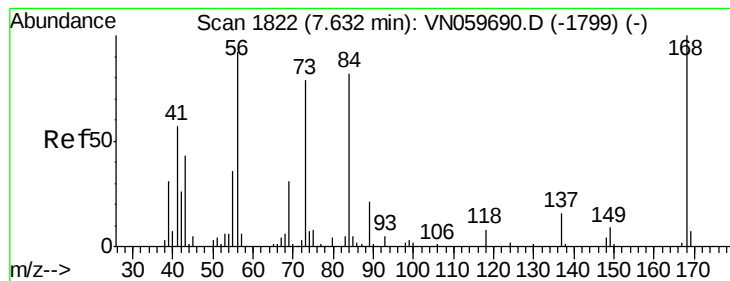
Tgt Ion: 43 Resp: 1126
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.52 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060014.D
Acq: 6 Feb 2020 13:46

Tgt Ion: 84 Resp: 3560
Ion Ratio Lower Upper
84 100
49 119.4 106.6 160.0
51 39.9 31.9 47.9
86 66.8 50.8 76.2





#31

Cyclohexane

Concen: 1.18 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060014.D

Acq: 6 Feb 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

PB126618ZHE#10

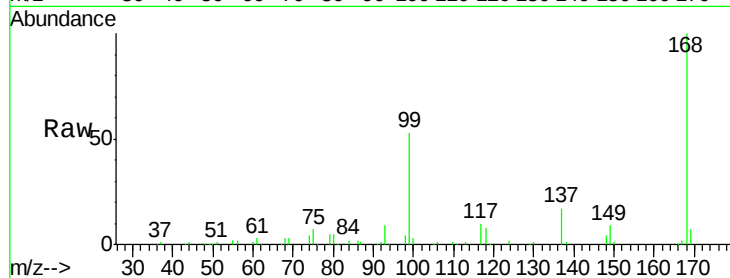
Tgt Ion: 56 Resp: 3808

Ion Ratio Lower Upper

56 100

69 155.2 26.5 39.7#

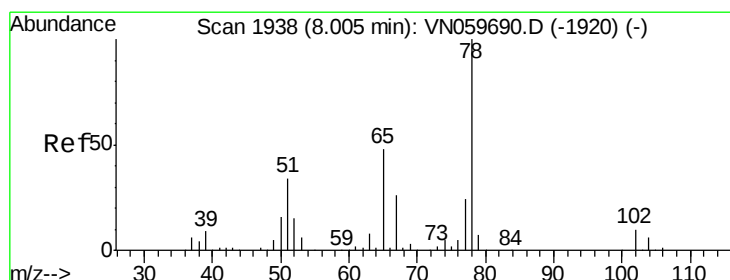
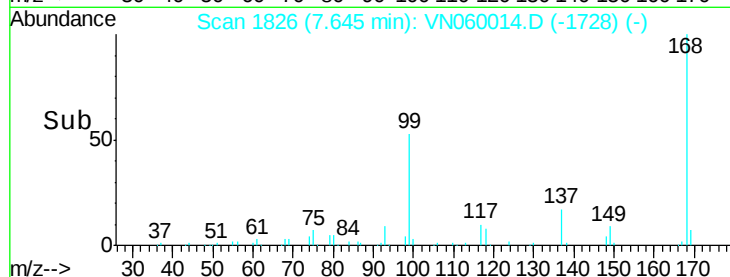
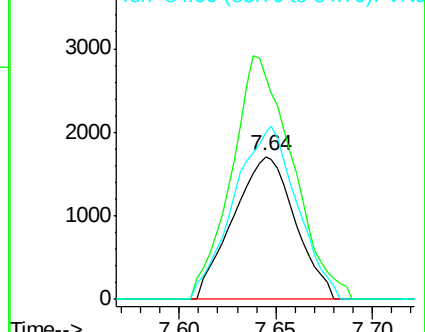
84 117.2 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN060014.D (-1799) (-)

Ion 69.00 (68.70 to 69.70): VN060014.D (-1799) (-)

Ion 84.00 (83.70 to 84.70): VN060014.D (-1799) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.46 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060014.D

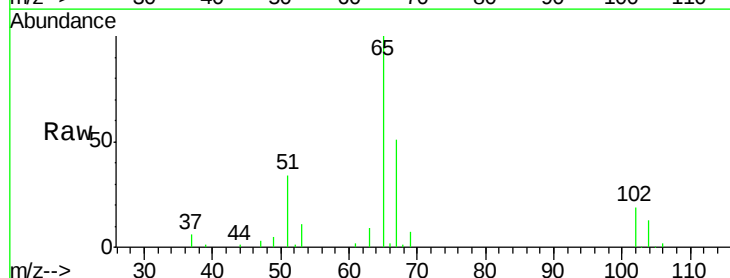
Acq: 6 Feb 2020 13:46

Tgt Ion: 65 Resp: 112163

Ion Ratio Lower Upper

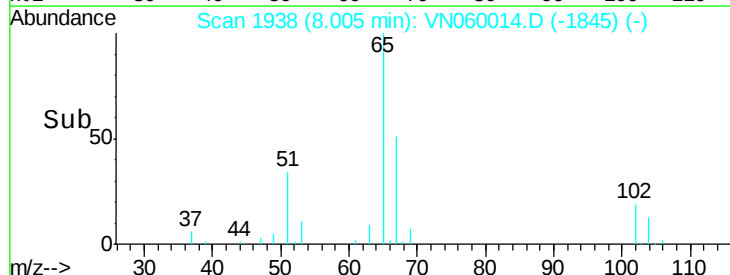
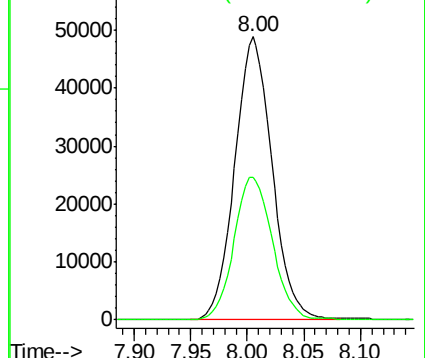
65 100

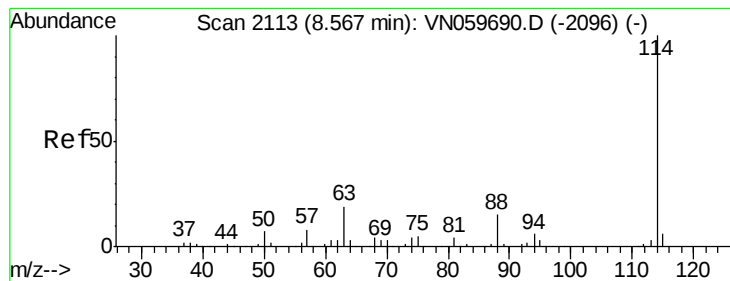
67 52.0 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN060014.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060014.D (-1845) (-)





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060014.D

Acq: 6 Feb 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

PB126618ZHE#10

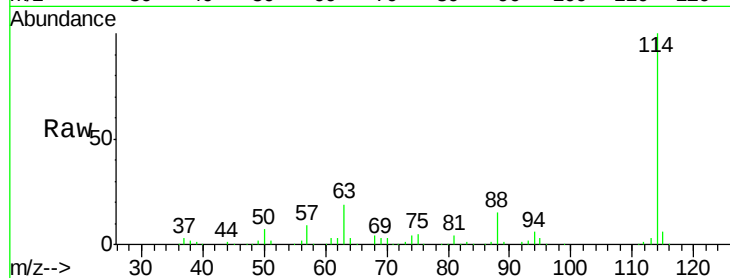
Tgt Ion:114 Resp: 304413

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.6

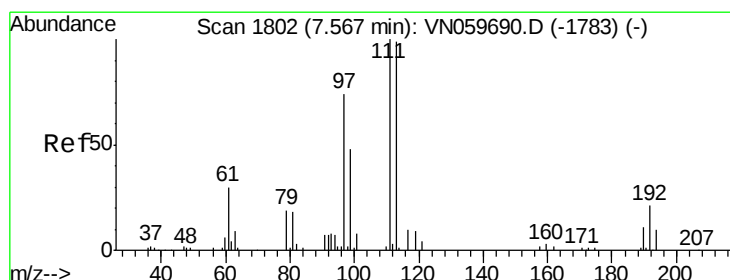
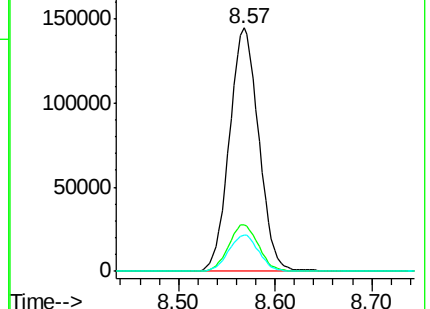
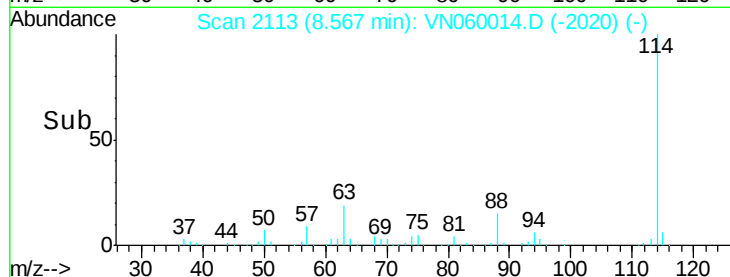
88 15.0 0.0 31.4



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: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060014.D

Acq: 6 Feb 2020 13:46

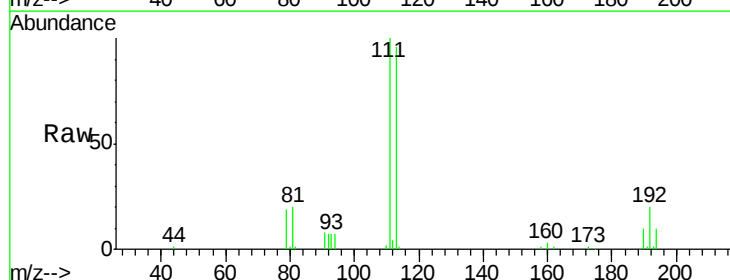
Tgt Ion:113 Resp: 92539

Ion Ratio Lower Upper

113 100

111 103.6 83.5 125.3

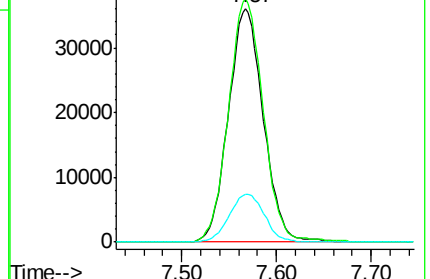
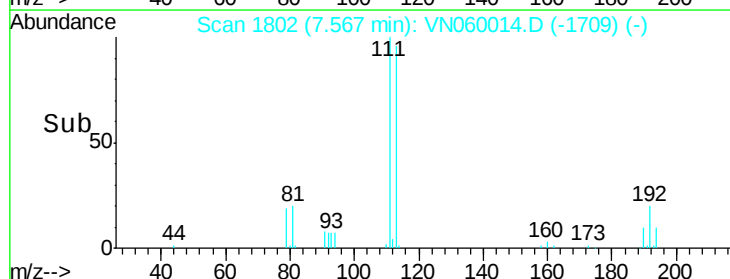
192 20.6 15.4 23.2

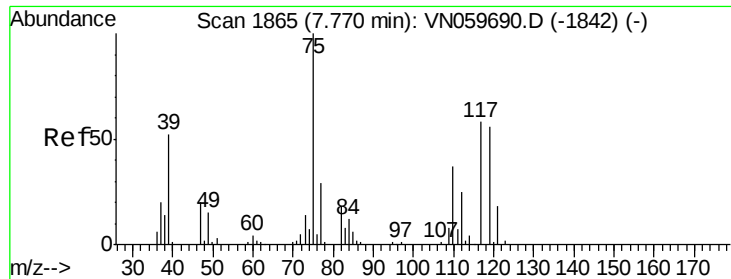


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

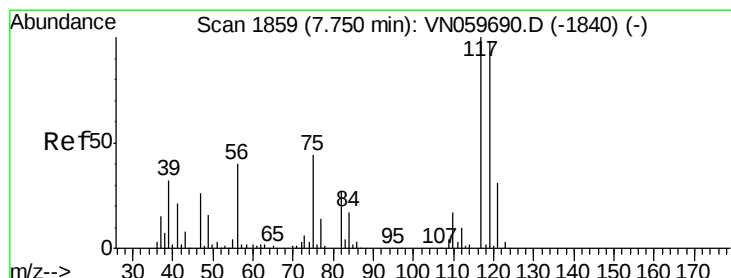
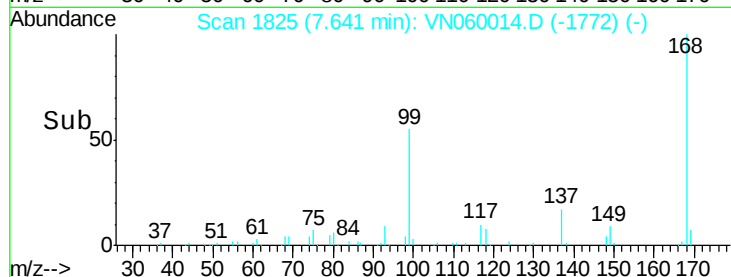
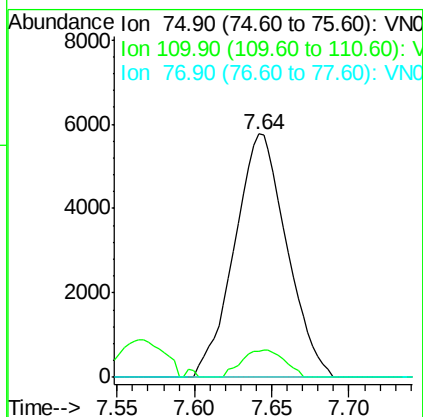
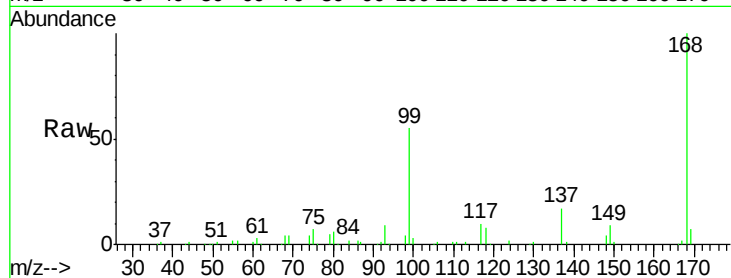




#36
 1,1-Dichloropropene
 Concen: 5.10 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060014.D
 Acq: 6 Feb 2020 13:46

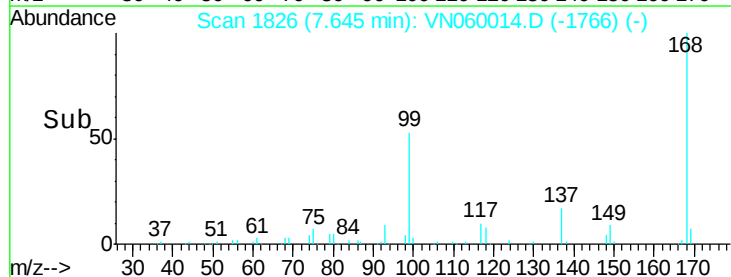
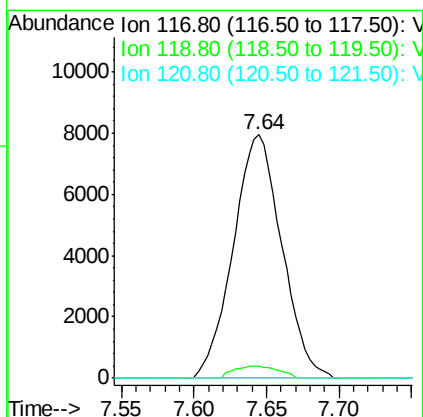
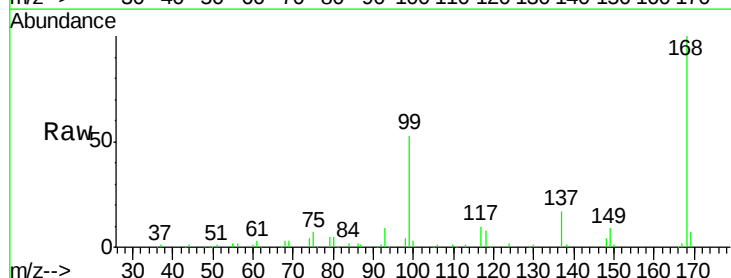
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126618ZHE#10

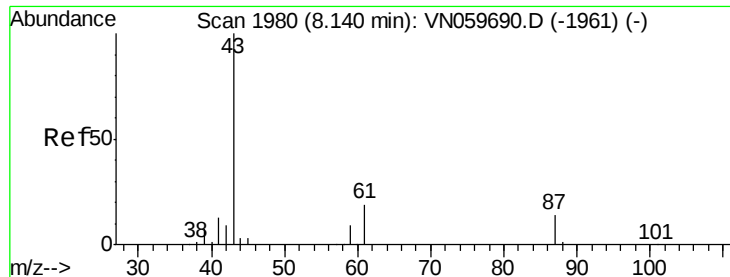
Tgt Ion: 75 Resp: 13524
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.6 49.7#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.40 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060014.D
 Acq: 6 Feb 2020 13:46

Tgt Ion: 117 Resp: 18450
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.5 114.7#
 121 0.0 25.1 37.7#





#43

Isopropyl Acetate

Concen: 11.28 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060014.D

Acq: 6 Feb 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

PB126618ZHE#10

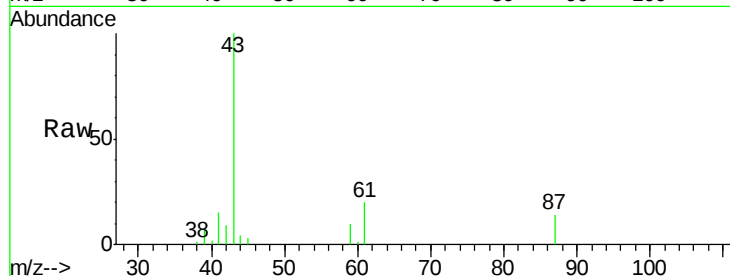
Tgt Ion: 43 Resp: 48237

Ion Ratio Lower Upper

43 100

61 19.6 20.2 30.2#

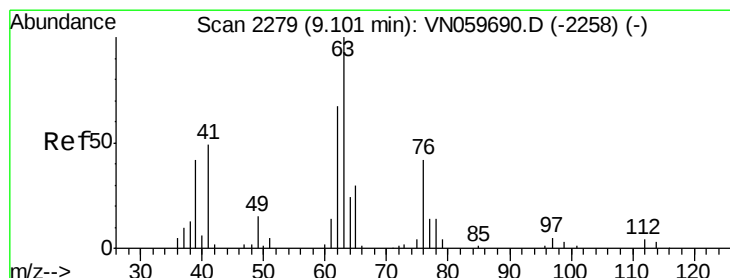
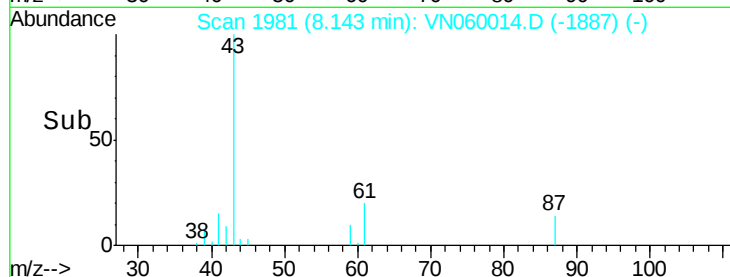
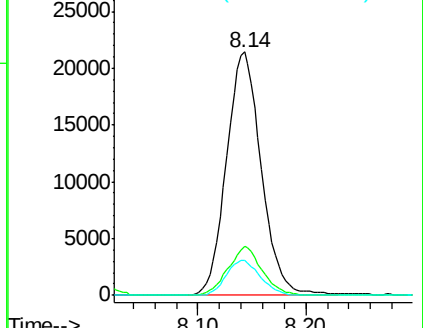
87 13.8 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.54 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060014.D

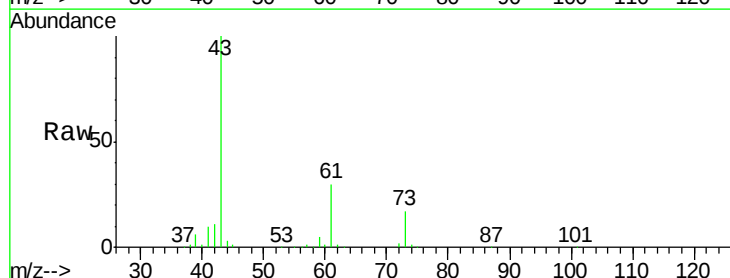
Acq: 6 Feb 2020 13:46

Tgt Ion: 63 Resp: 1055

Ion Ratio Lower Upper

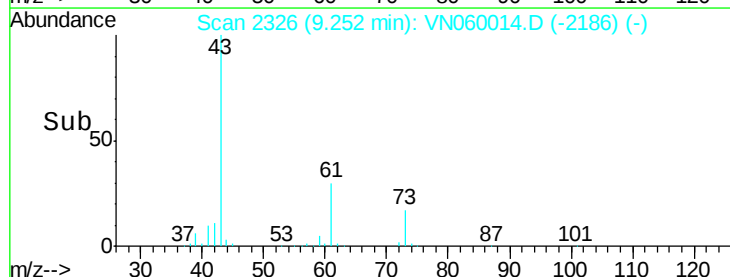
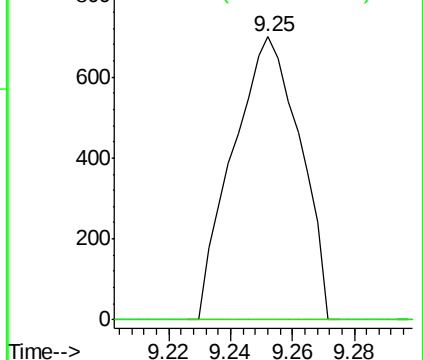
63 100

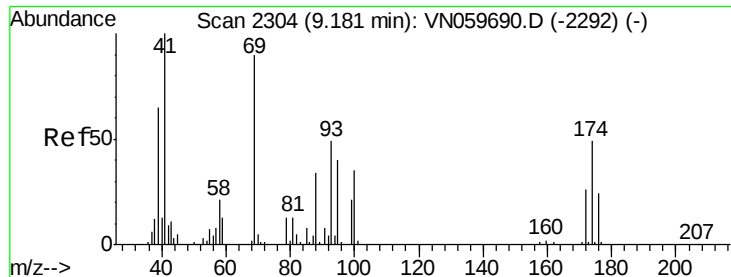
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

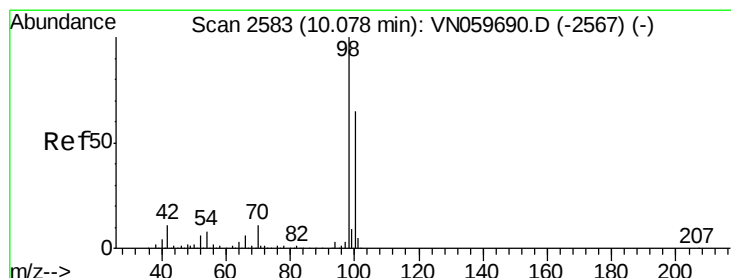
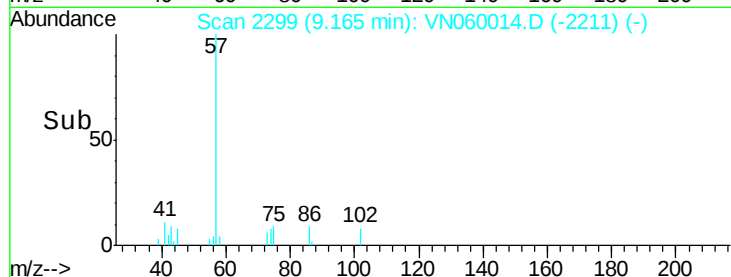
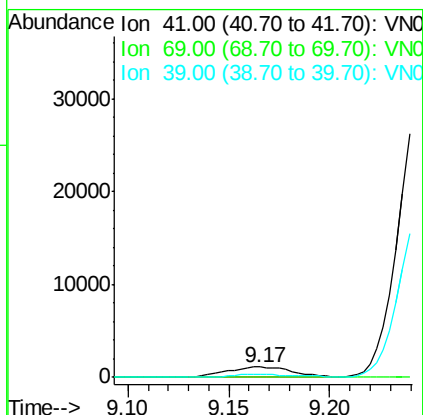
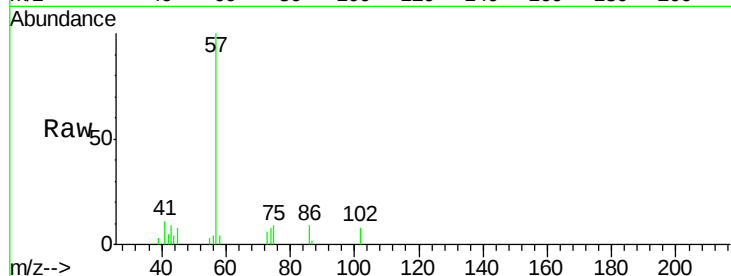




#48
Methyl methacrylate
Concen: 1.32 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN060014.D
Acq: 6 Feb 2020 13:46

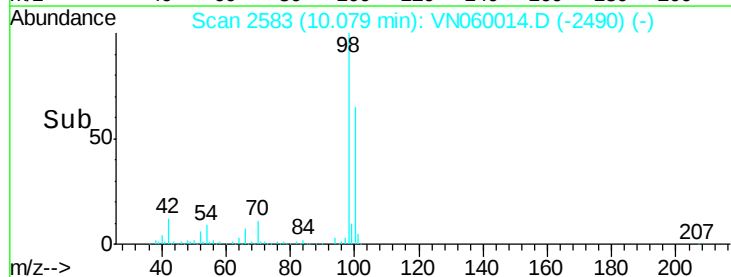
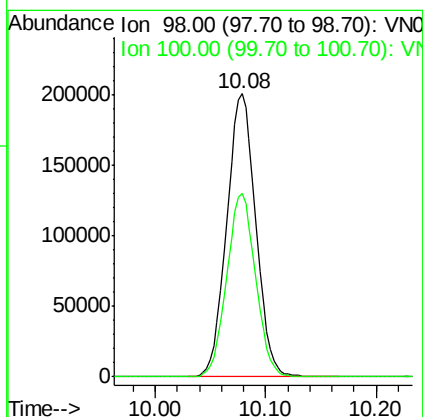
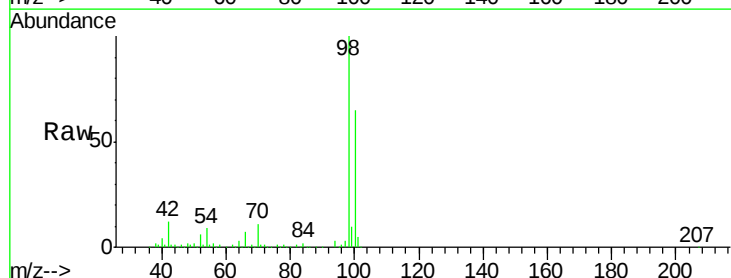
Instrument :
MSVOA_N
ClientSampleId :
PB126618ZHE#10

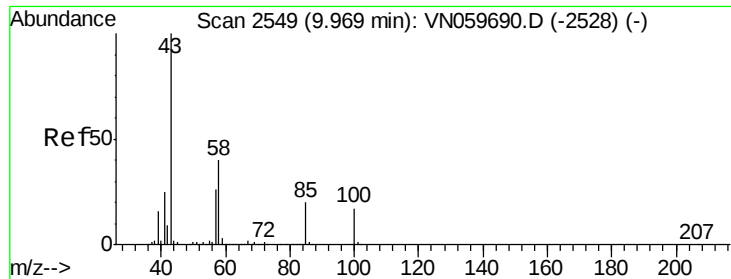
Tgt Ion: 41 Resp: 2518
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.98 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060014.D
Acq: 6 Feb 2020 13:46

Tgt Ion: 98 Resp: 365577
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8

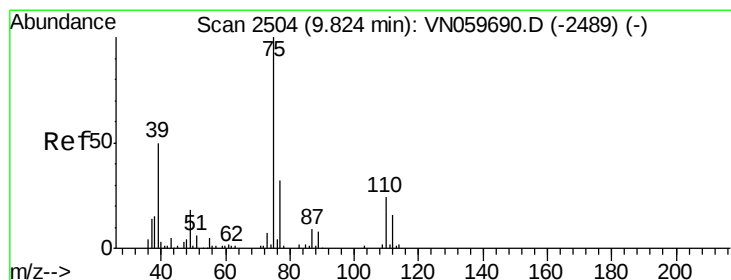
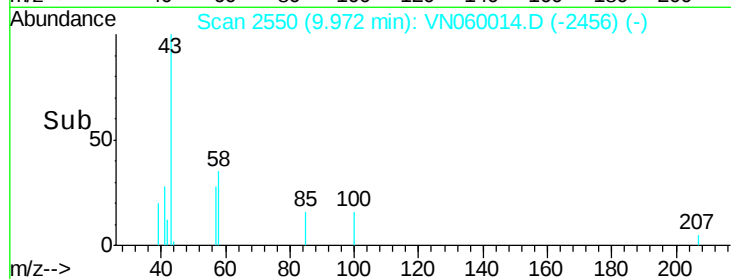
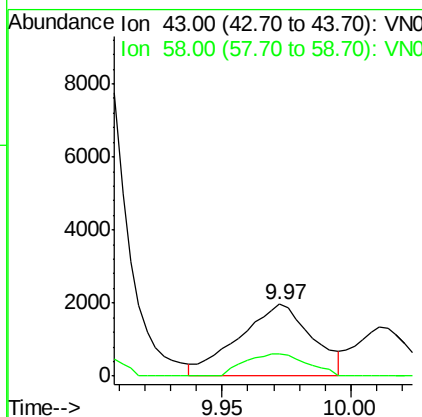
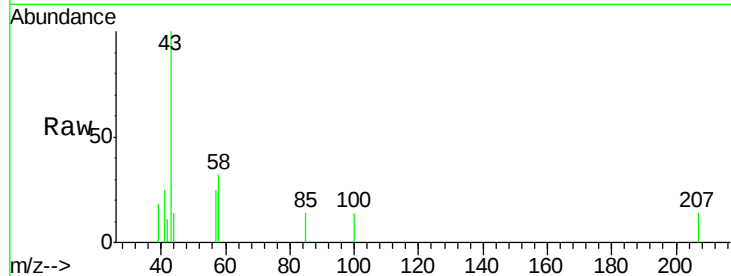




#51
 4-Methyl-2-Pentanone
 Concen: 1.57 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN060014.D
 Acq: 6 Feb 2020 13:46

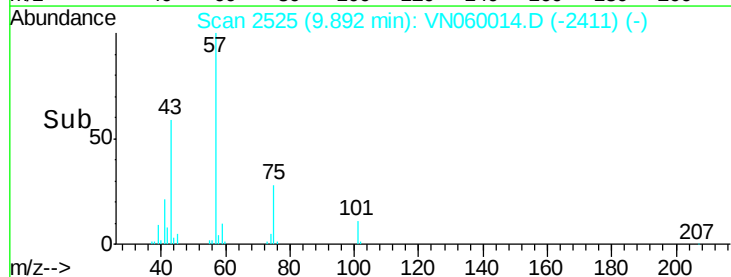
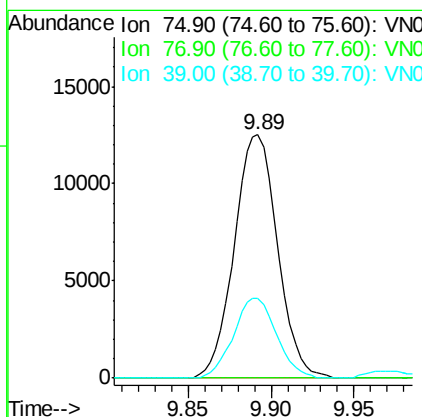
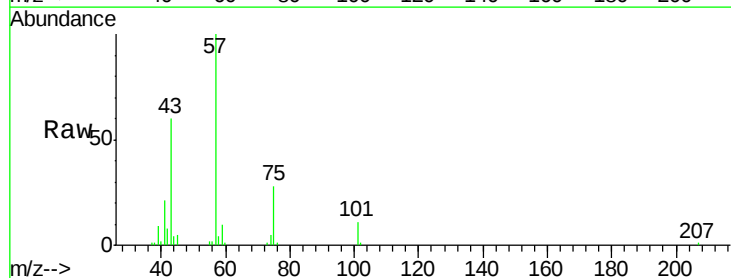
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126618ZHE#10

Tgt Ion: 43 Resp: 3873
 Ion Ratio Lower Upper
 43 100
 58 26.7 29.8 44.8#



#54
 cis-1,3-Dichloropropene
 Concen: 6.94 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060014.D
 Acq: 6 Feb 2020 13:46

Tgt Ion: 75 Resp: 22686
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 32.6 46.1 69.1#

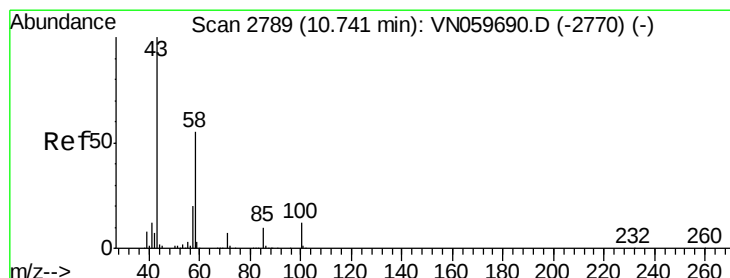
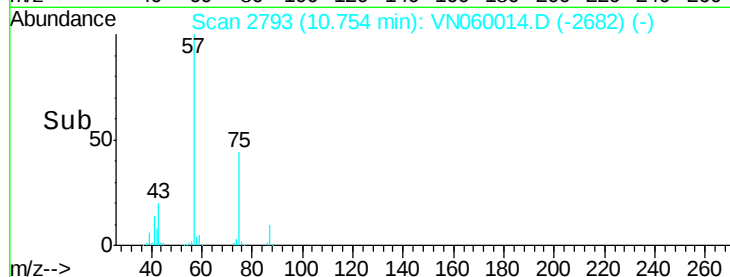
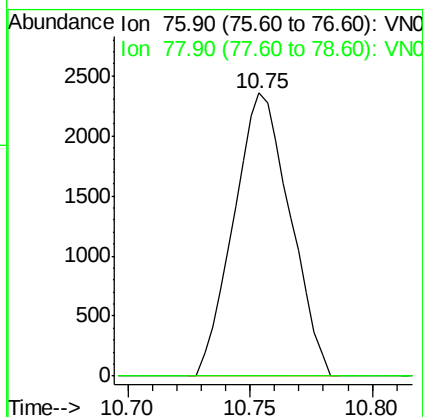
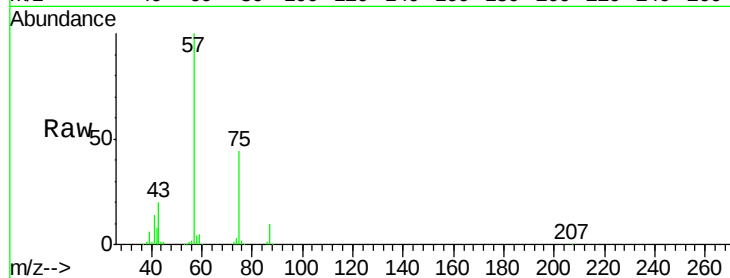




#57
 1,3-Dichloropropane
 Concen: 1.20 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060014.D
 Acq: 6 Feb 2020 13:46

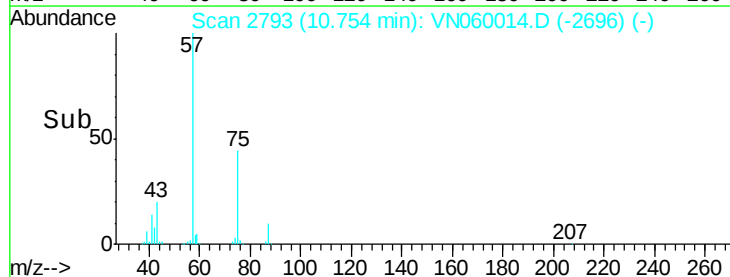
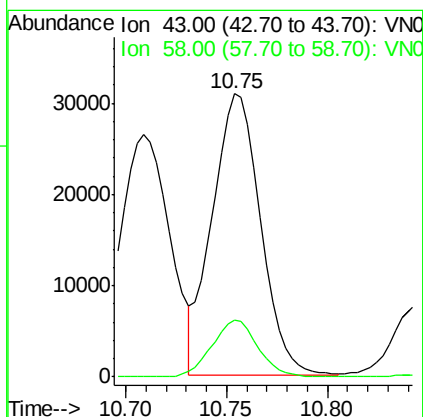
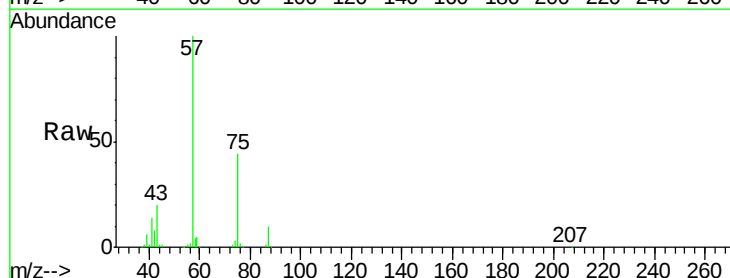
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126618ZHE#10

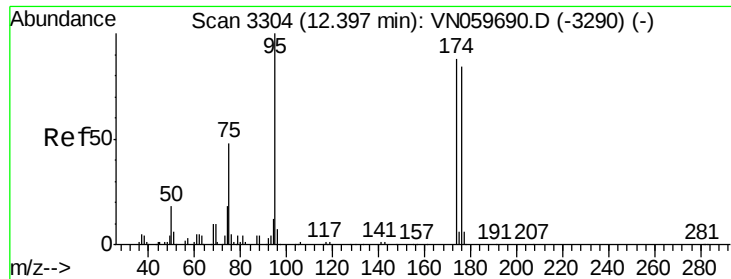
Tgt Ion: 76 Resp: 3777
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 28.29 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060014.D
 Acq: 6 Feb 2020 13:46

Tgt Ion: 43 Resp: 51529
 Ion Ratio Lower Upper
 43 100
 58 19.0 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 52.32 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060014.D

Acq: 6 Feb 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

PB126618ZHE#10

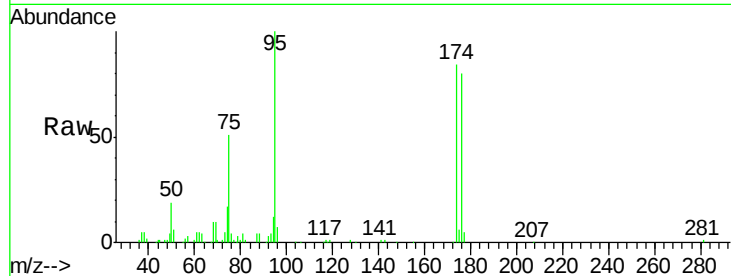
Tgt Ion: 95 Resp: 132656

Ion Ratio Lower Upper

95 100

174 84.9 0.0 151.4

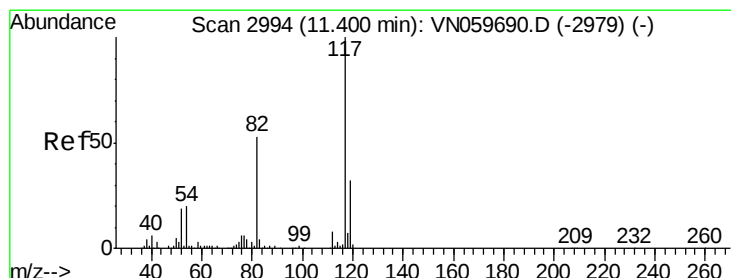
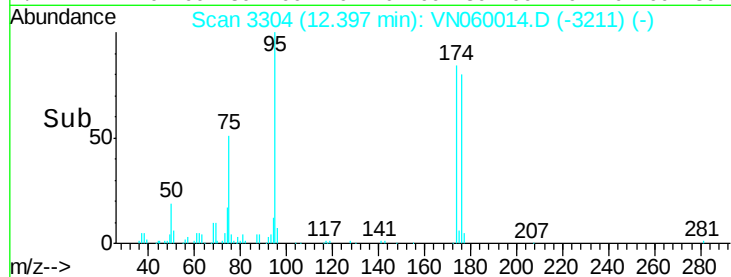
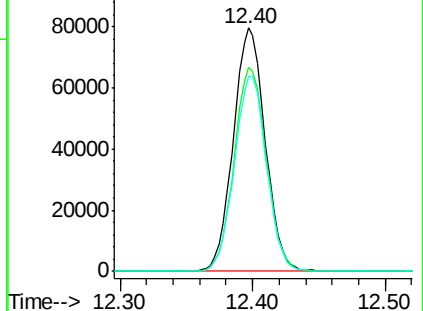
176 81.2 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN060014.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060014.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060014.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060014.D

Acq: 6 Feb 2020 13:46

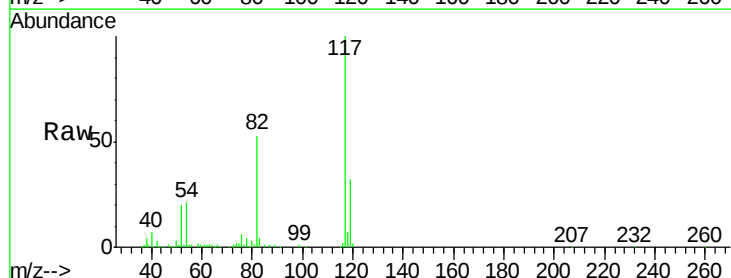
Tgt Ion: 117 Resp: 283731

Ion Ratio Lower Upper

117 100

82 53.4 45.9 68.9

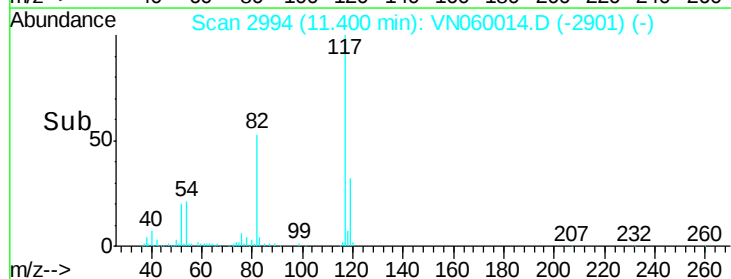
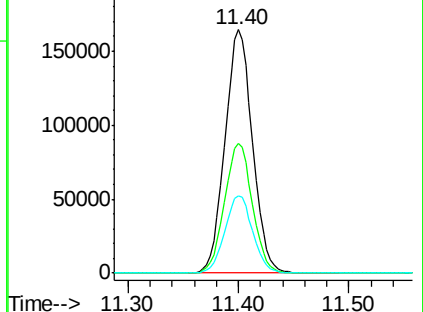
119 31.9 25.5 38.3

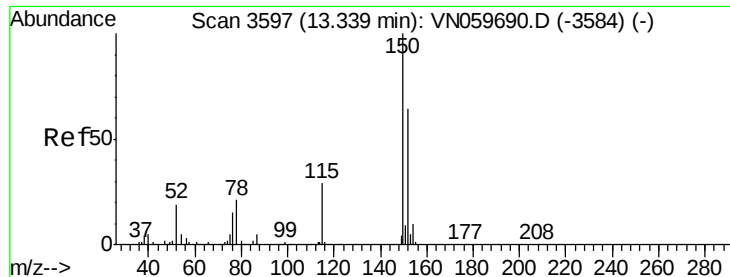


Abundance Ion 116.90 (116.60 to 117.60): VN060014.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060014.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060014.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060014.D

Acq: 6 Feb 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

PB126618ZHE#10

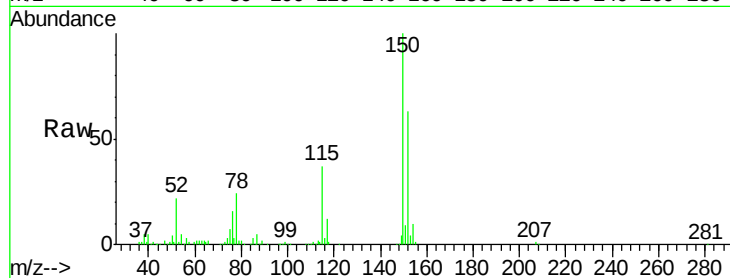
Tgt Ion:152 Resp: 126054

Ion Ratio Lower Upper

152 100

115 58.1 30.3 90.9

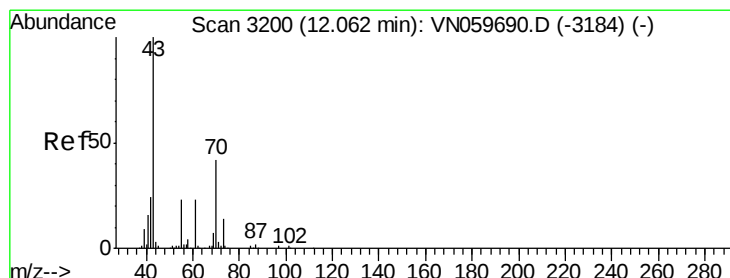
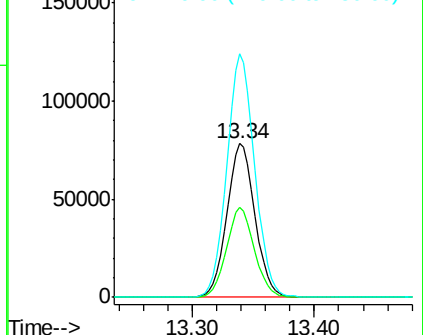
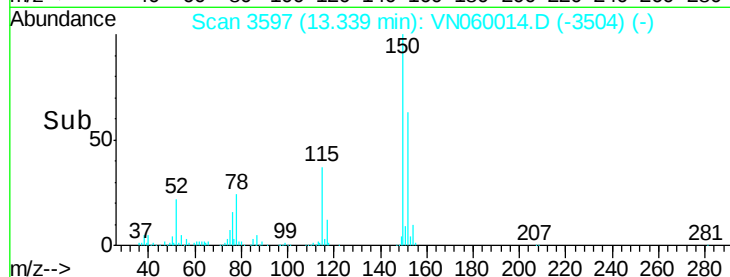
150 157.5 0.0 345.2



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



#74

N-ethyl acetate

Concen: 0.68 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.03 min

Lab File: VN060014.D

Acq: 6 Feb 2020 13:46

Tgt Ion: 43 Resp: 2431

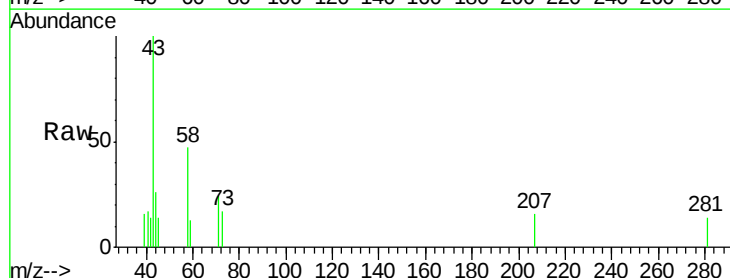
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

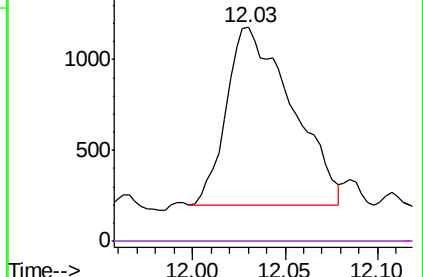
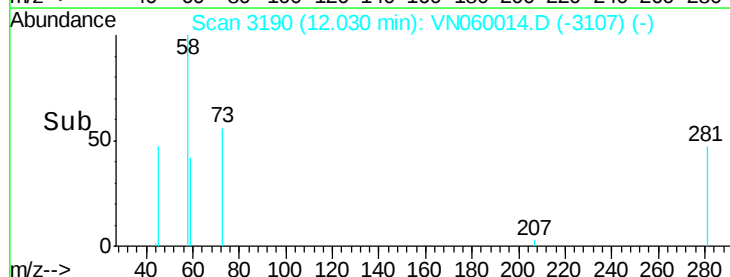


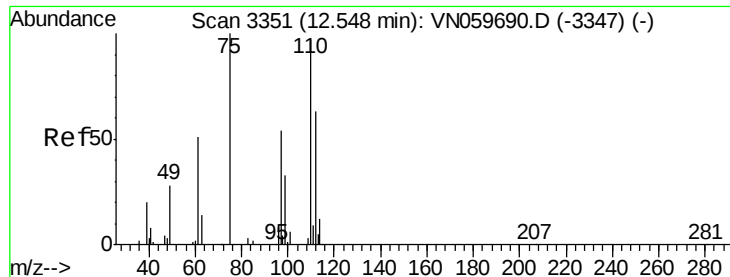
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 31.49 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060014.D

Acq: 6 Feb 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

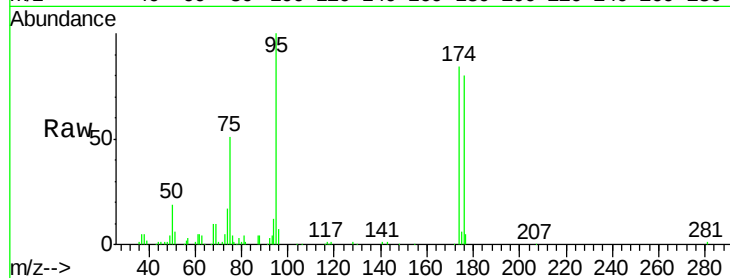
PB126618ZHE#10

Tgt Ion: 75 Resp: 66808

Ion Ratio Lower Upper

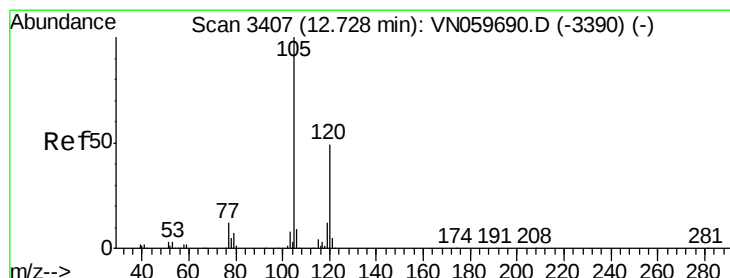
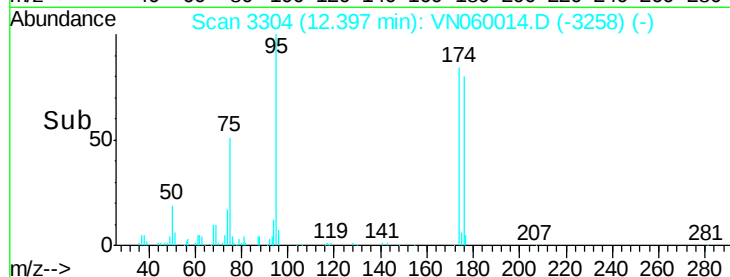
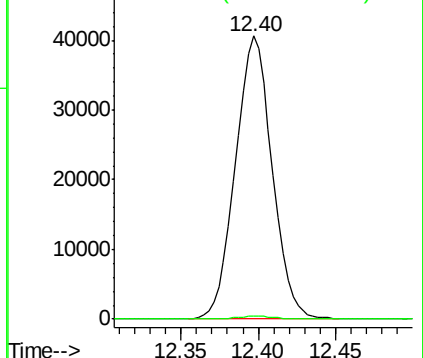
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.28 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060014.D

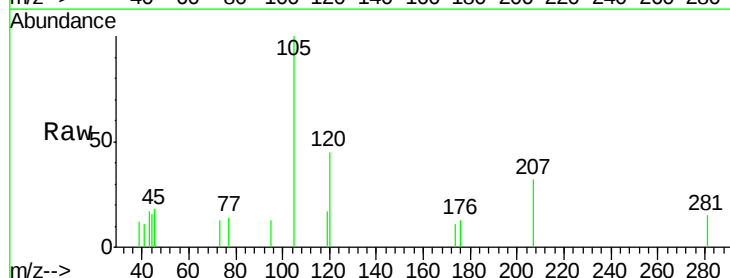
Acq: 6 Feb 2020 13:46

Tgt Ion: 105 Resp: 2145

Ion Ratio Lower Upper

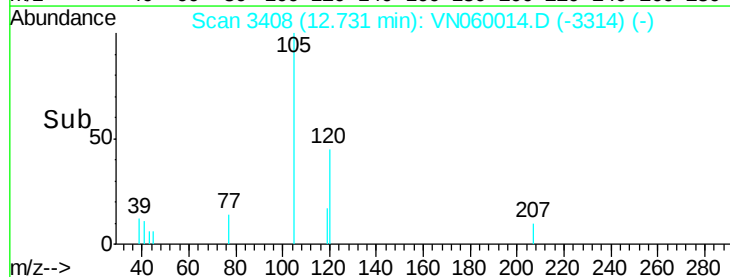
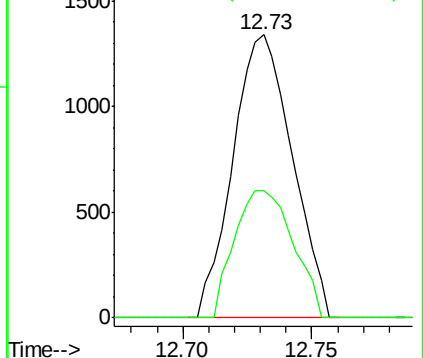
105 100

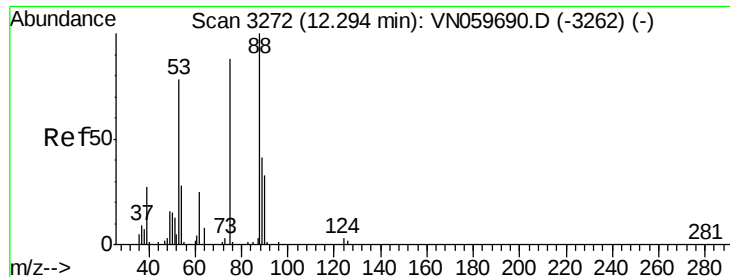
120 44.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 67.63 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060014.D

Acq: 6 Feb 2020 13:46

Instrument :

MSVOA_N

ClientSampleId :

PB126618ZHE#10

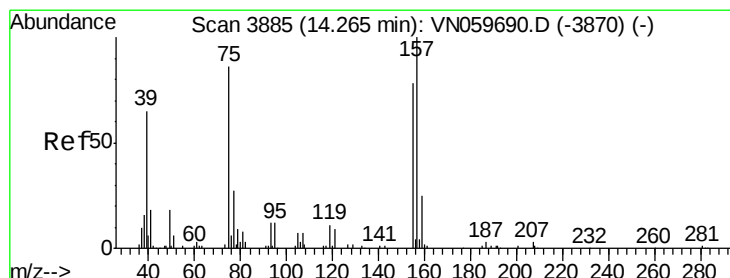
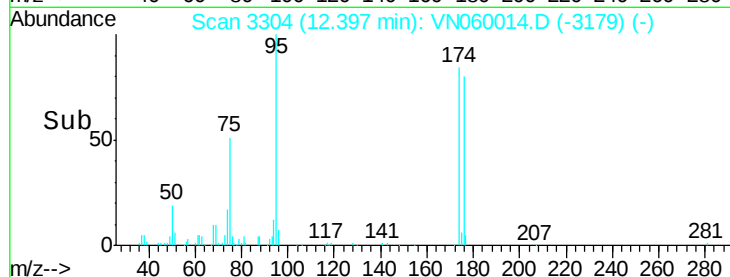
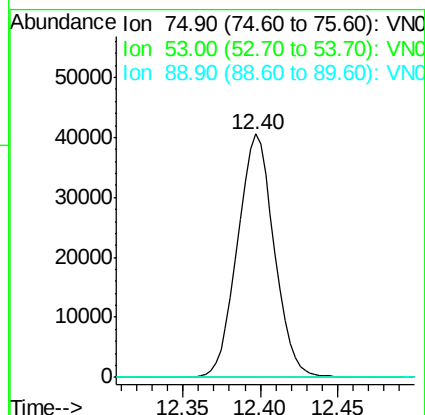
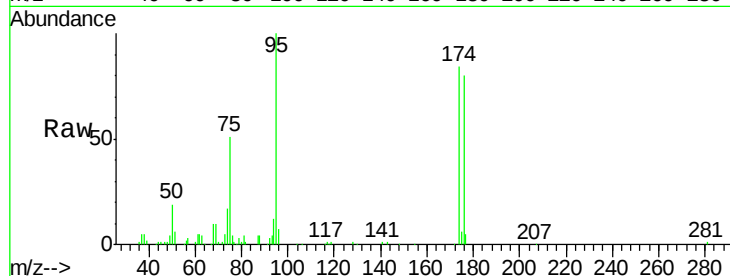
Tgt Ion: 75 Resp: 66808

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: 14.28 min Scan# 3890

Delta R.T. 0.02 min

Lab File: VN060014.D

Acq: 6 Feb 2020 13:46

Tgt Ion: 75 Resp: 91

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

