

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN013020\
 Data File : VN059933.D
 Acq On : 30 Jan 2020 16:53
 Operator : JC/MD
 Sample : PB126447ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126447ZHE#09

Quant Time: Jan 30 17:20:28 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	200986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	309921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130334	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	110416	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	7.57	113	93371	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.08	98	368758	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.40	95	130662	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

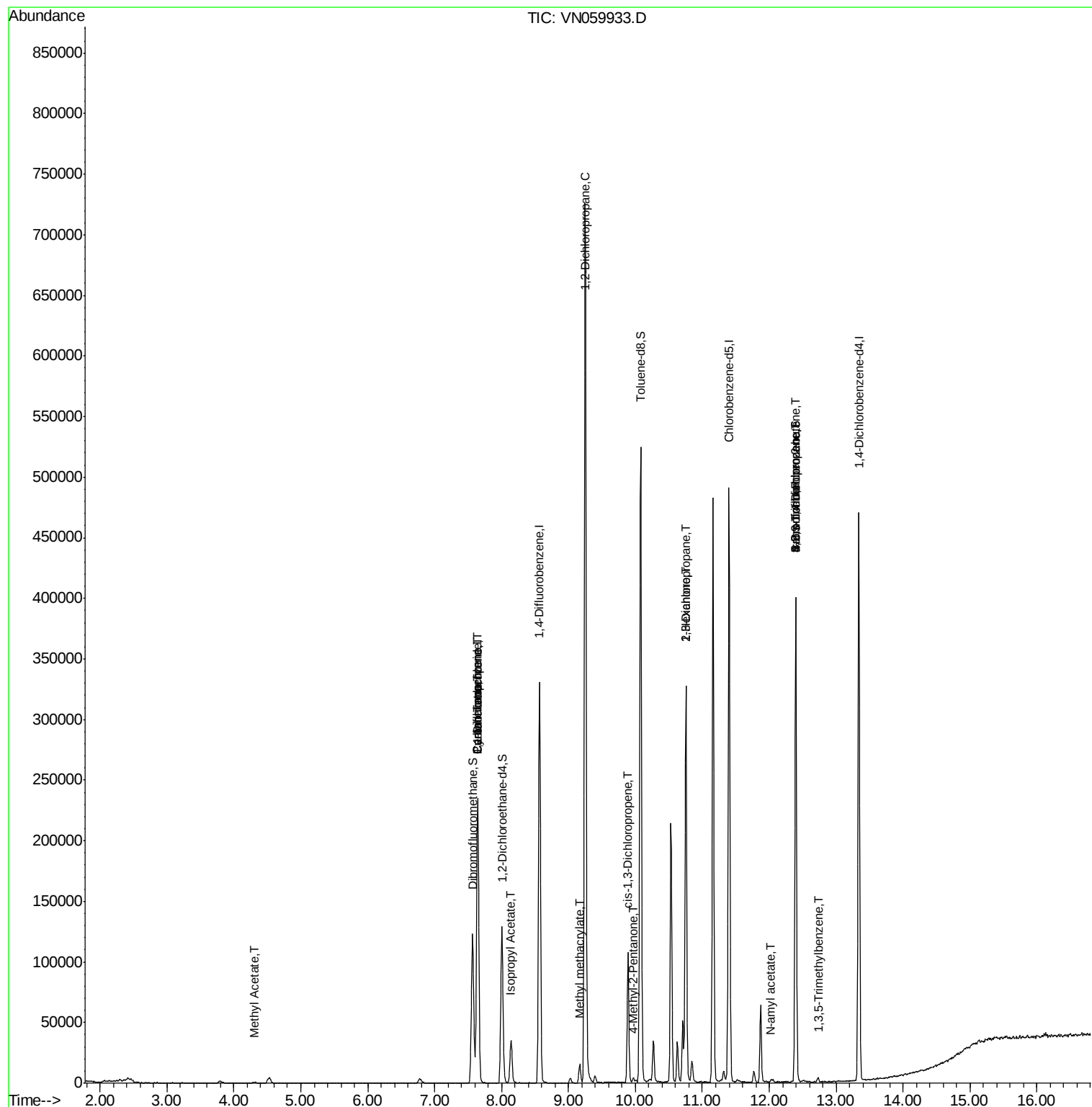
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3776	Below Cal		92
18) Methyl Acetate	4.31	43	1230	0.47 ug/l	#	59
20) Methylene Chloride	4.51	84	1565	Below Cal	#	84
31) Cyclohexane	7.64	56	3690	1.12 ug/l	#	1
36) 1,1-Dichloropropene	7.64	75	14218	5.27 ug/l	#	51
38) Carbon Tetrachloride	7.64	117	18057	6.15 ug/l	#	17
43) Isopropyl Acetate	8.14	43	42305	9.72 ug/l	#	90
45) 1,2-Dichloropropane	9.25	63	918	0.46 ug/l	#	44
48) Methyl methacrylate	9.17	41	2209	1.13 ug/l	#	13
51) 4-Methyl-2-Pentanone	9.97	43	2037	0.81 ug/l	#	80
54) cis-1,3-Dichloropropene	9.89	75	20558	6.18 ug/l	#	58
57) 1,3-Dichloropropane	10.75	76	3702	1.16 ug/l	#	42
59) 2-Hexanone	10.75	43	45366	24.47 ug/l	#	55
71) Bromoform	12.40	173	485	0.28 ug/l	#	1
74) N-amyl acetate	12.03	43	1179	0.32 ug/l	#	45
76) 1,2,3-Trichloropropane	12.40	75	67806	30.91 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.73	105	2265	0.28 ug/l		98
81) trans-1,4-Dichloro-2-buten	12.40	75	67806	66.39 ug/l	#	11
92) 1,2-Dibromo-3-Chloropropan	14.29	75	61	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: VN059933.D

Acq: 30 Jan 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

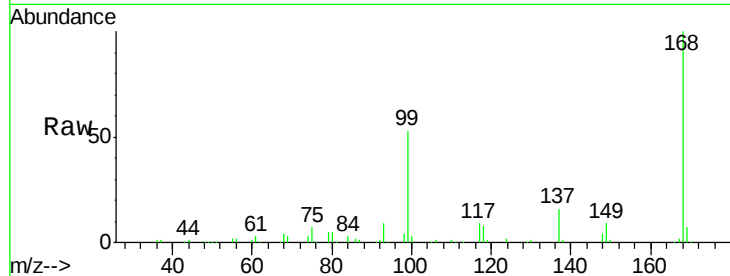
PB126447ZHE#09

Tgt Ion:168 Resp: 200986

Ion Ratio Lower Upper

168 100

99 52.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059933.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059933.D (-1732) (-)

7.64

80000

60000

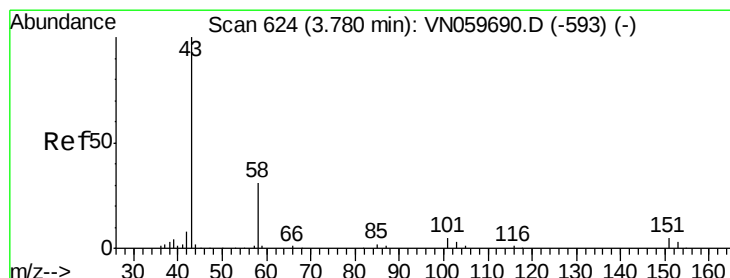
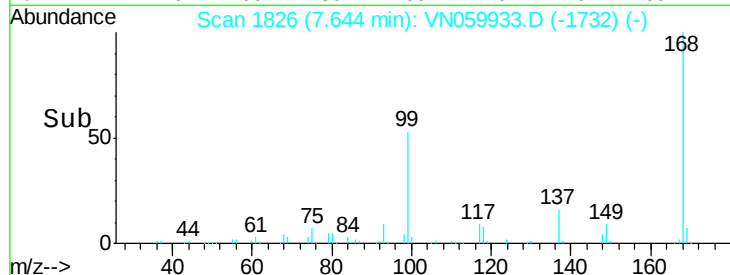
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059933.D

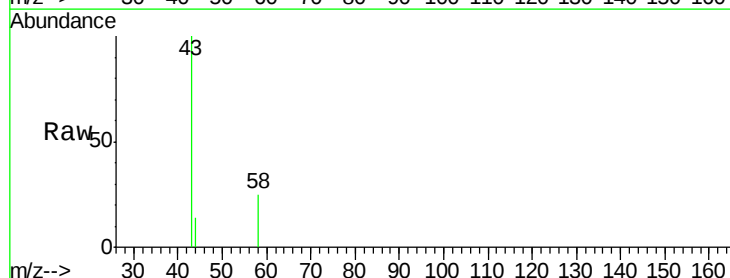
Acq: 30 Jan 2020 16:53

Tgt Ion: 43 Resp: 3776

Ion Ratio Lower Upper

43 100

58 25.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059933.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN059933.D (-531) (-)

3.79

1500

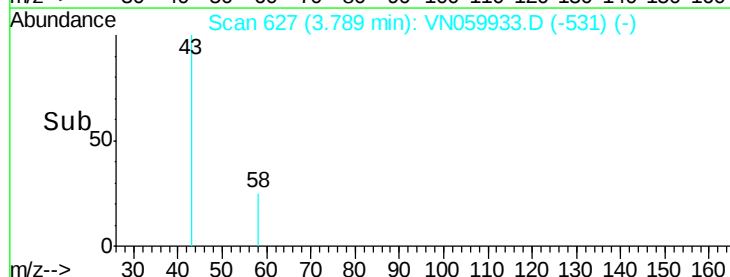
1000

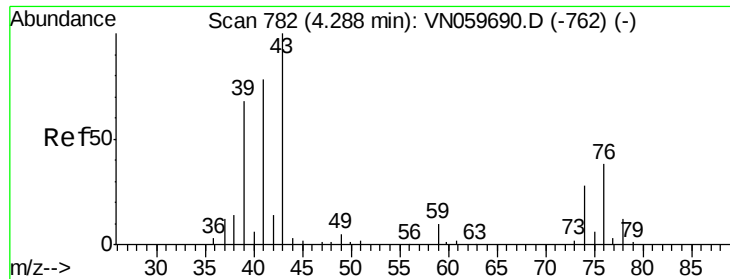
500

0

3.75 3.80 3.85

Time-->

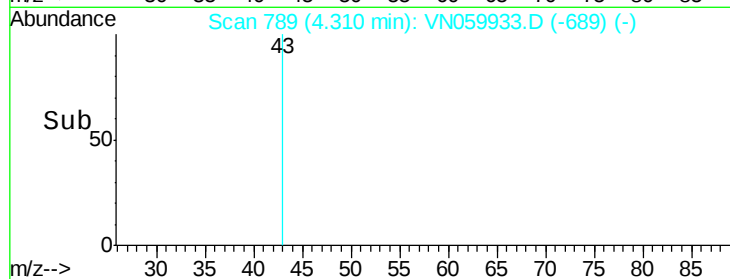
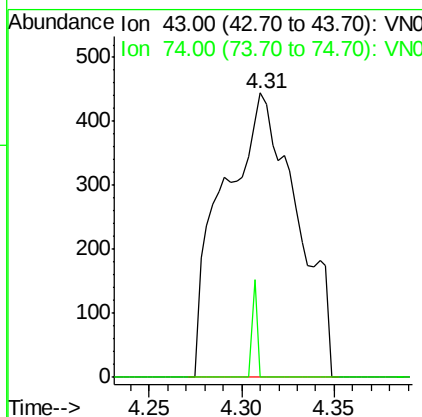
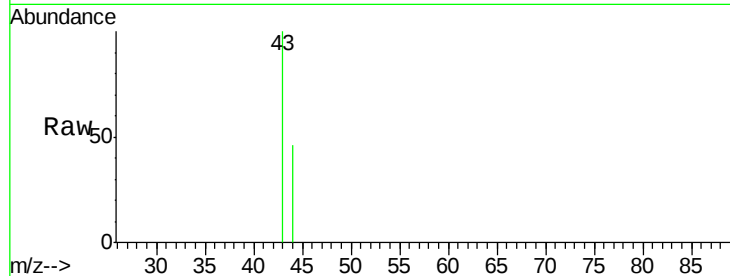




#18
Methyl Acetate
Concen: 0.47 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VN059933.D
Acq: 30 Jan 2020 16:53

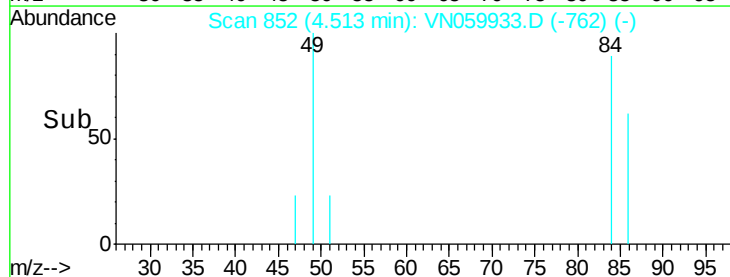
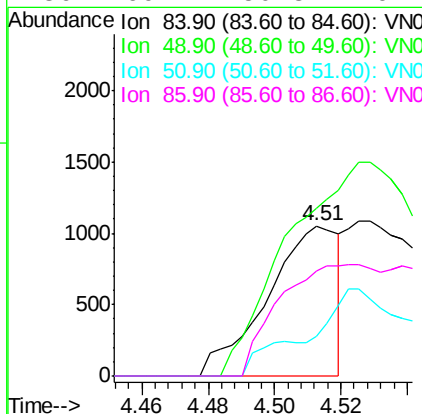
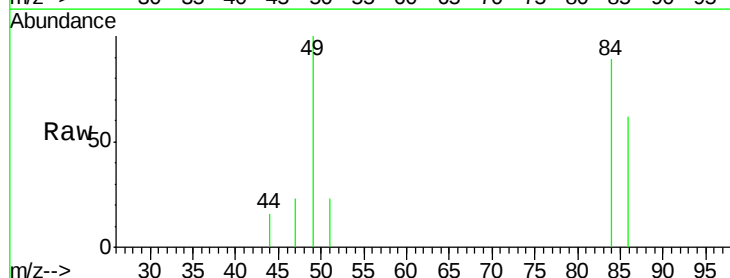
Instrument :
MSVOA_N
ClientSampleId :
PB126447ZHE#09

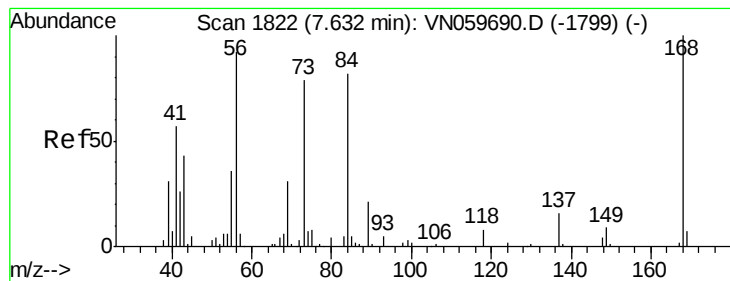
Tgt Ion: 43 Resp: 1230
Ion Ratio Lower Upper
43 100
74 2.4 17.5 26.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 852
Delta R.T. -0.01 min
Lab File: VN059933.D
Acq: 30 Jan 2020 16:53

Tgt Ion: 84 Resp: 1565
Ion Ratio Lower Upper
84 100
49 111.9 106.6 160.0
51 26.3 31.9 47.9#
86 69.7 50.8 76.2





#31

Cyclohexane

Concen: 1.12 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059933.D

Acq: 30 Jan 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

PB126447ZHE#09

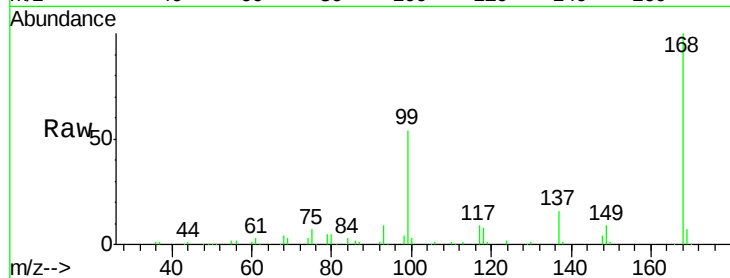
Tgt Ion: 56 Resp: 3690

Ion Ratio Lower Upper

56 100

69 161.5 26.5 39.7#

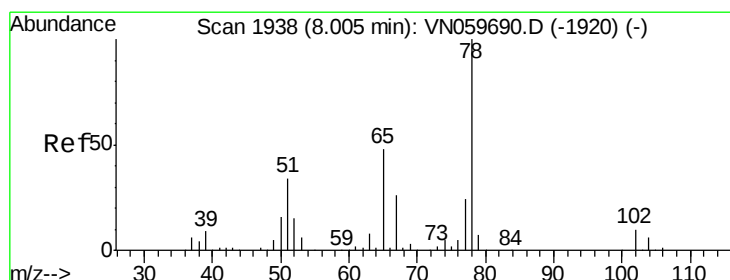
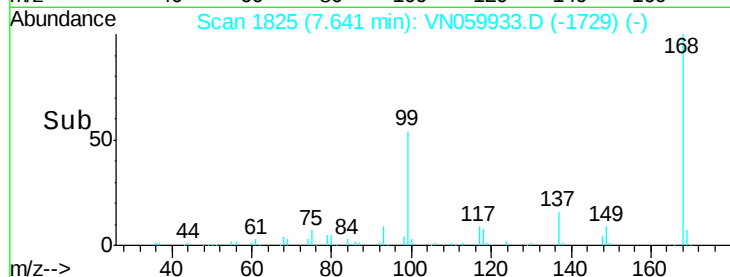
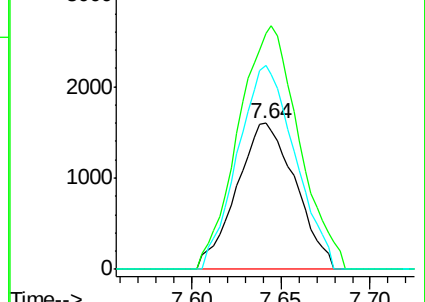
84 139.4 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN059933.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN059933.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN059933.D (-1729) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.47 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059933.D

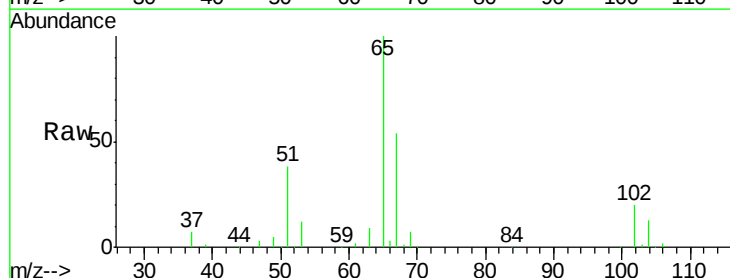
Acq: 30 Jan 2020 16:53

Tgt Ion: 65 Resp: 110416

Ion Ratio Lower Upper

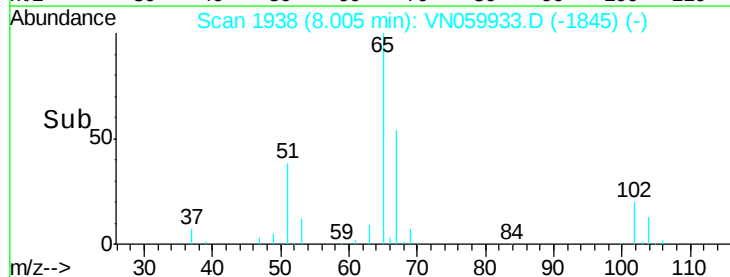
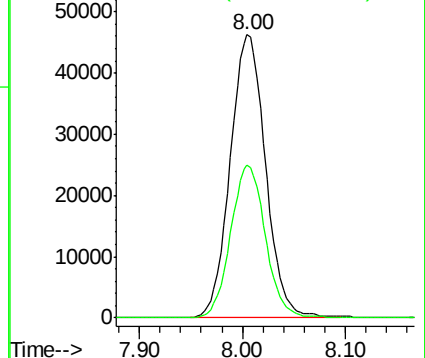
65 100

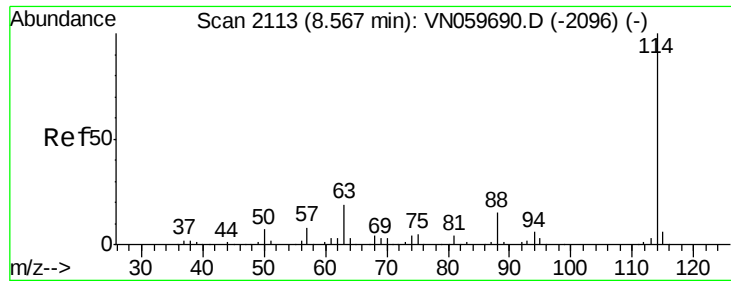
67 52.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN059933.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059933.D (-1845) (-)

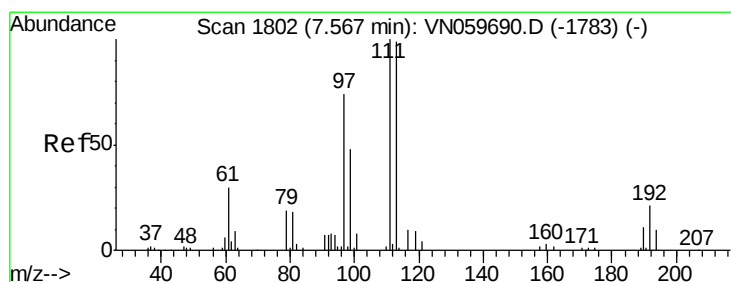
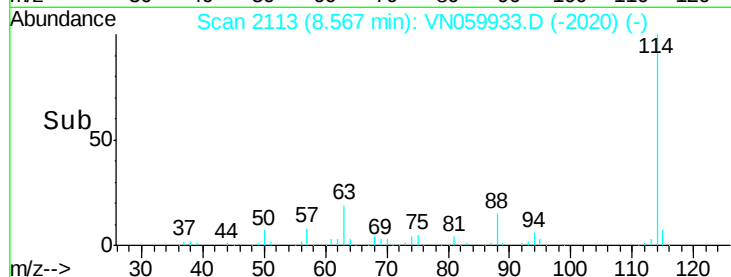
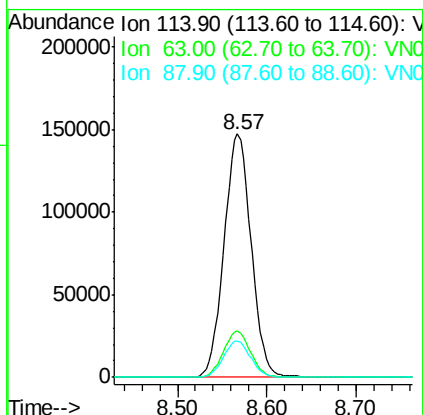
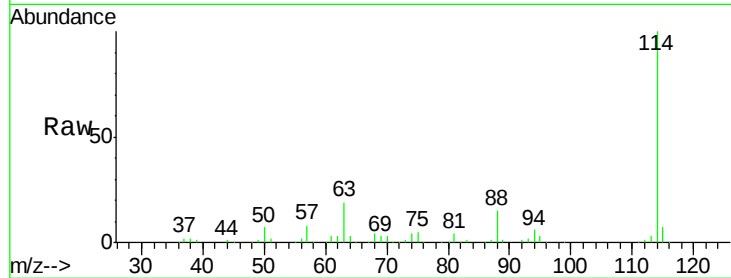




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059933.D
 Acq: 30 Jan 2020 16:53

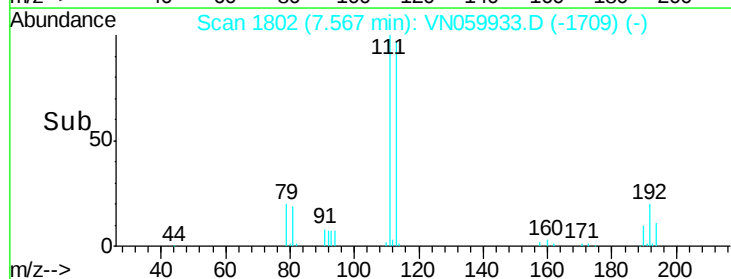
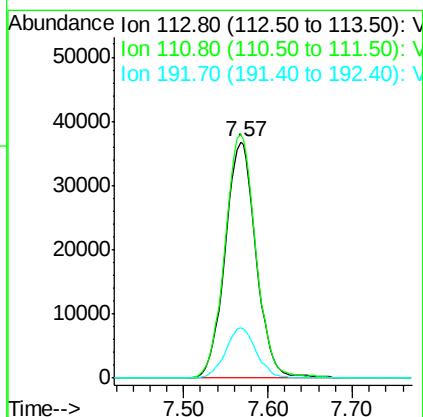
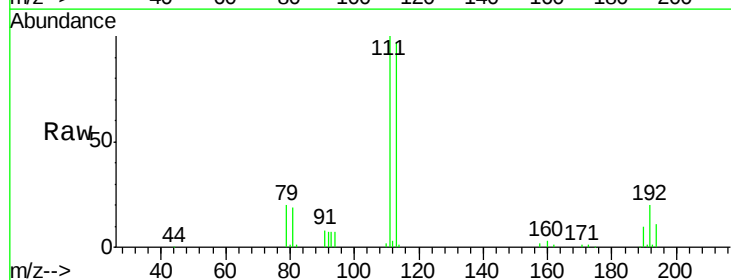
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126447ZHE#09

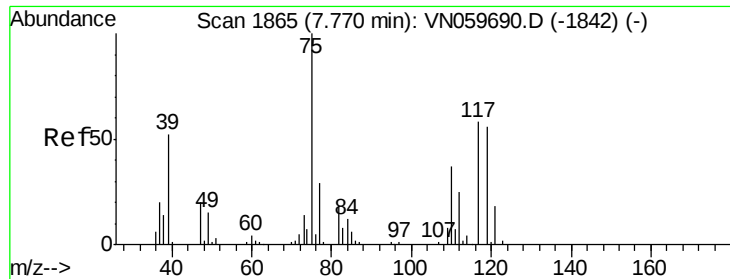
Tgt Ion:114 Resp: 309921
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 43.6
 88 14.9 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 50.52 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059933.D
 Acq: 30 Jan 2020 16:53

Tgt Ion:113 Resp: 93371
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.5 125.3
 192 21.0 15.4 23.2

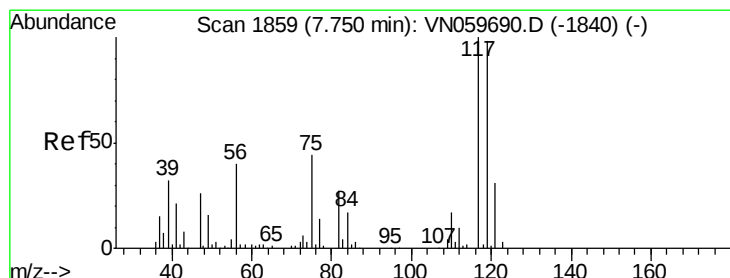
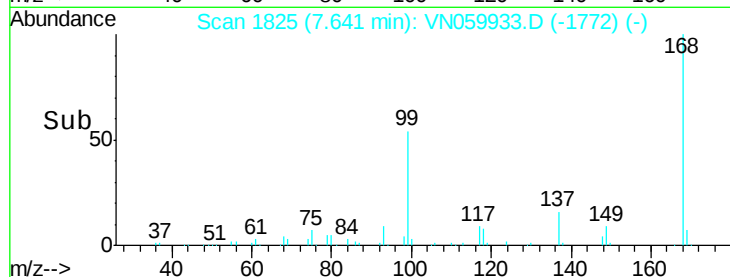
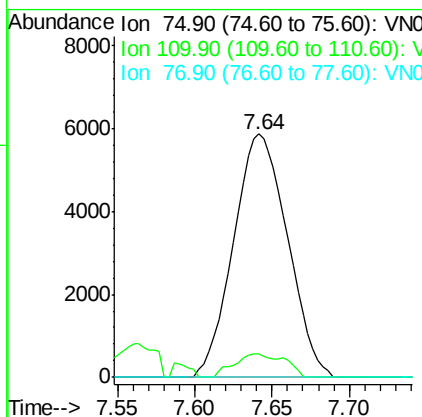
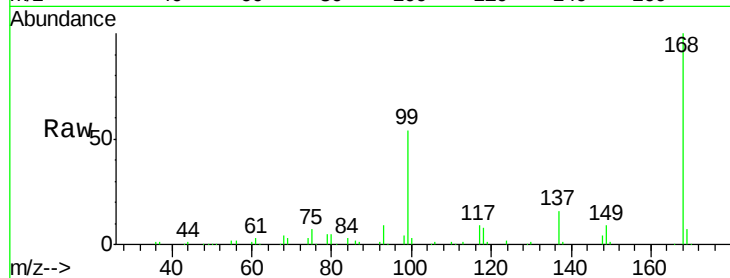




#36
 1,1-Dichloropropene
 Concen: 5.27 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059933.D
 Acq: 30 Jan 2020 16:53

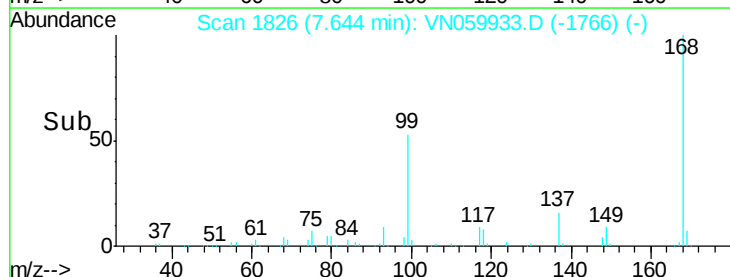
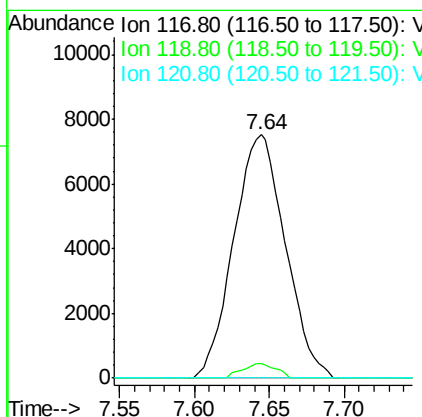
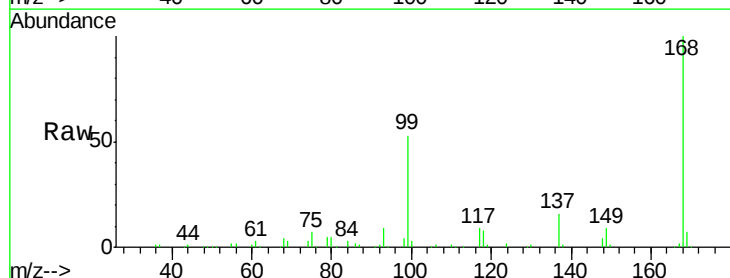
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126447ZHE#09

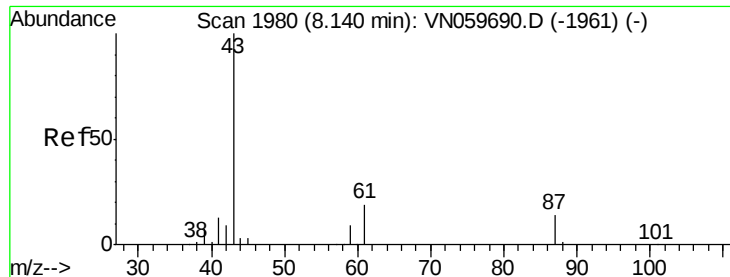
Tgt Ion: 75 Resp: 14218
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.6 49.7#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.15 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059933.D
 Acq: 30 Jan 2020 16:53

Tgt Ion: 117 Resp: 18057
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.5 114.7#
 121 0.0 25.1 37.7#





#43

Isopropyl Acetate

Concen: 9.72 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059933.D

Acq: 30 Jan 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

PB126447ZHE#09

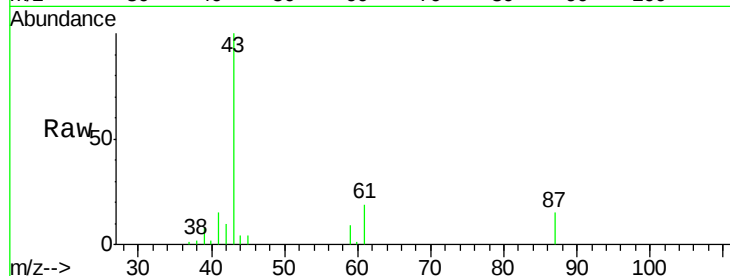
Tgt Ion: 43 Resp: 42305

Ion Ratio Lower Upper

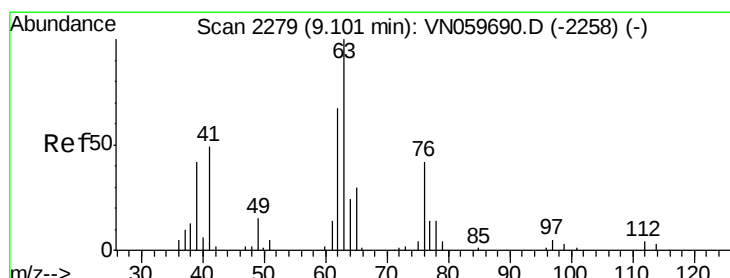
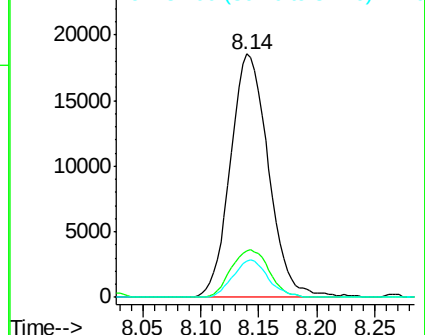
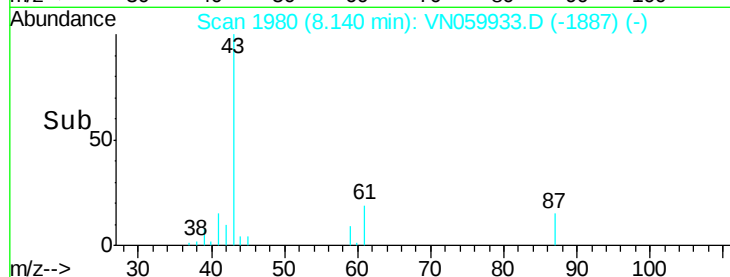
43 100

61 19.6 20.2 30.2#

87 14.2 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059933.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.46 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN059933.D

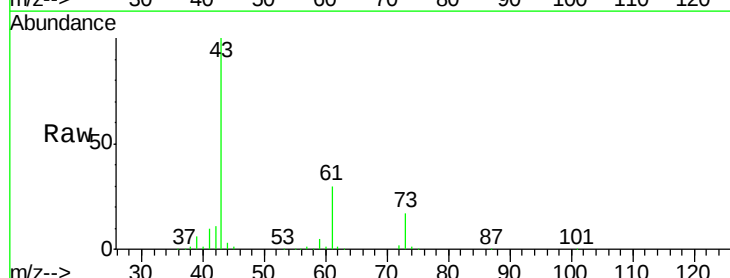
Acq: 30 Jan 2020 16:53

Tgt Ion: 63 Resp: 918

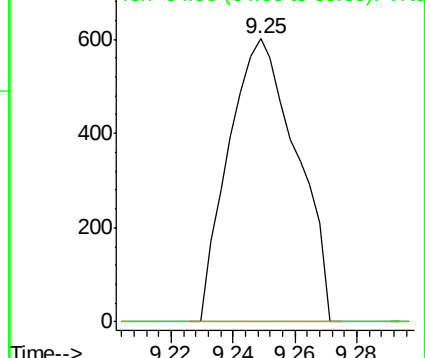
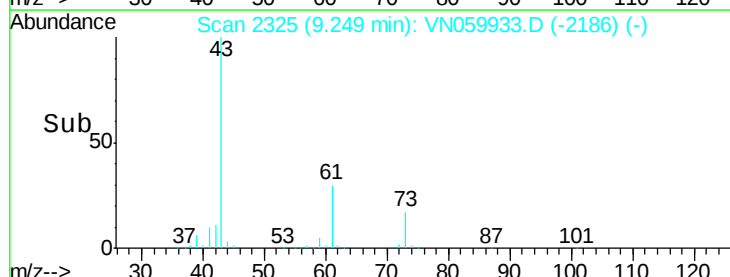
Ion Ratio Lower Upper

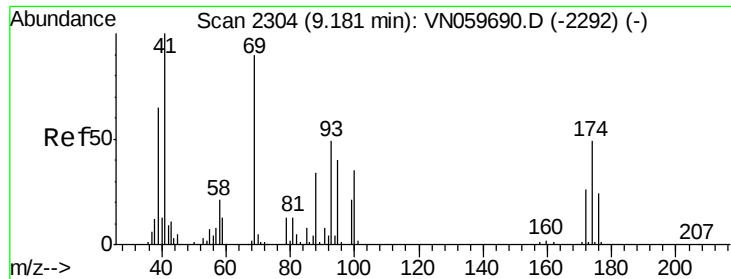
63 100

65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059933.D (-2186) (-)

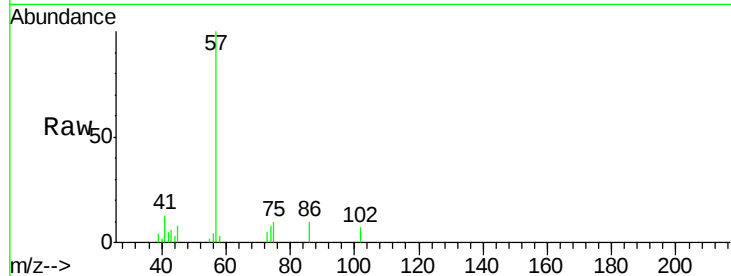




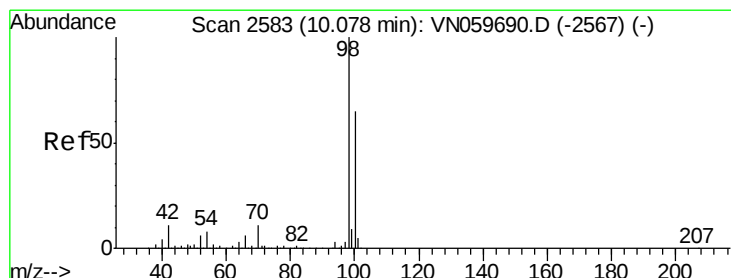
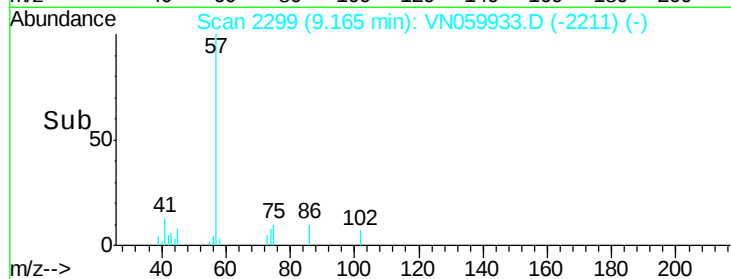
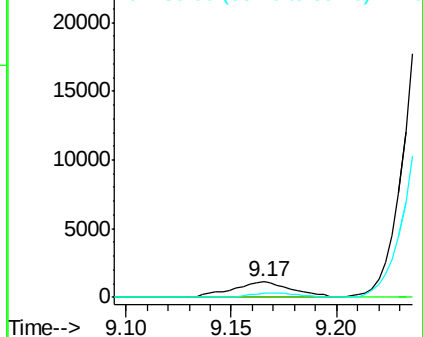
#48
Methyl methacrylate
Concen: 1.13 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN059933.D
Acq: 30 Jan 2020 16:53

Instrument :
MSVOA_N
ClientSampleId :
PB126447ZHE#09

Tgt Ion: 41 Resp: 2209
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#

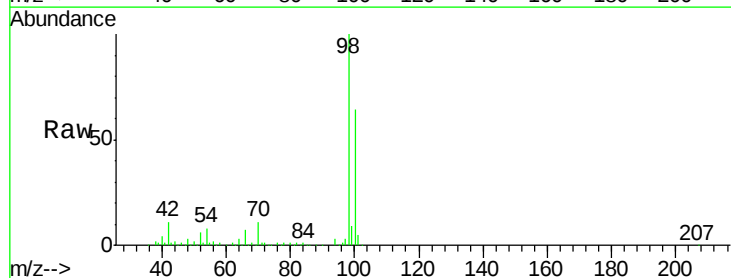


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

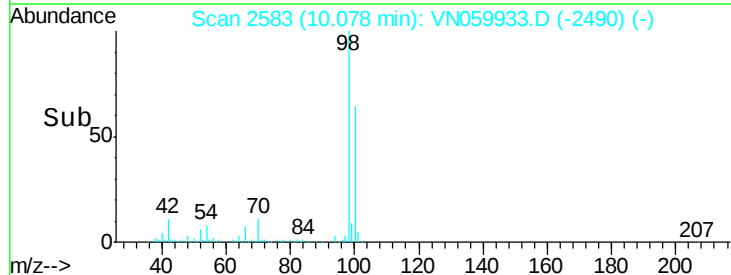
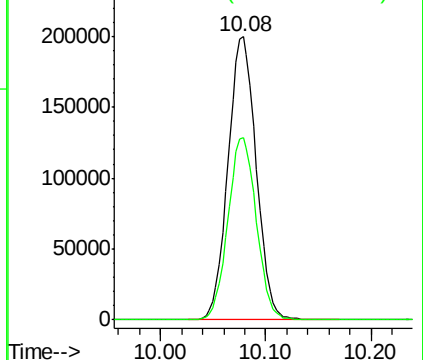


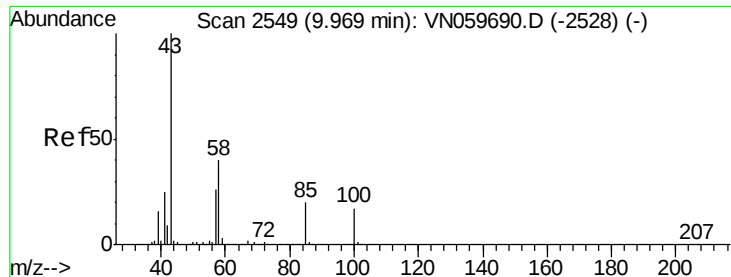
#50
Toluene-d8
Concen: 51.50 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059933.D
Acq: 30 Jan 2020 16:53

Tgt Ion: 98 Resp: 368758
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.81 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059933.D

Acq: 30 Jan 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

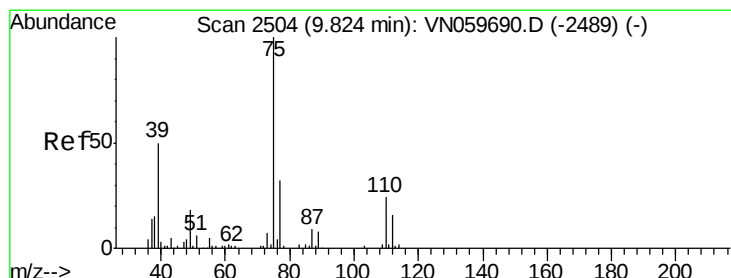
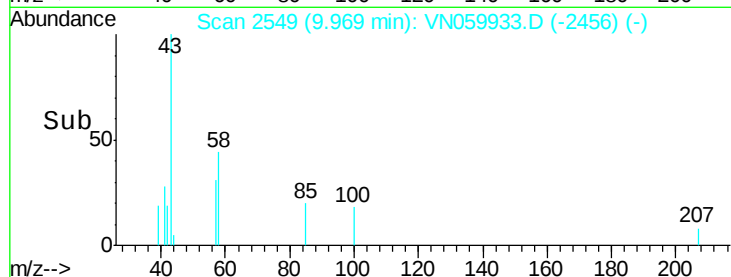
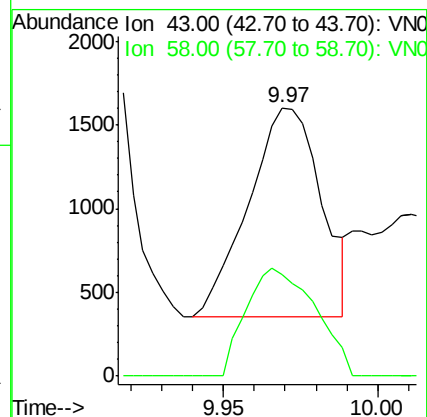
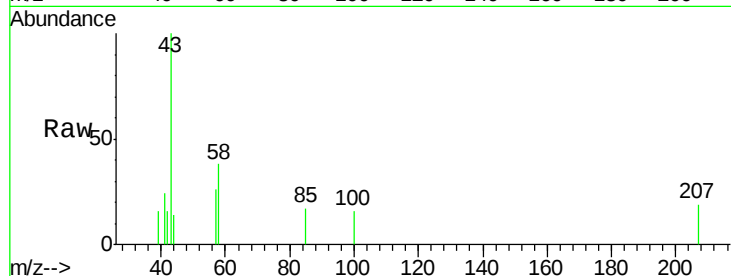
PB126447ZHE#09

Tgt Ion: 43 Resp: 2037

Ion Ratio Lower Upper

43 100

58 49.0 29.8 44.8#



#54

cis-1,3-Dichloropropene

Concen: 6.18 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN059933.D

Acq: 30 Jan 2020 16:53

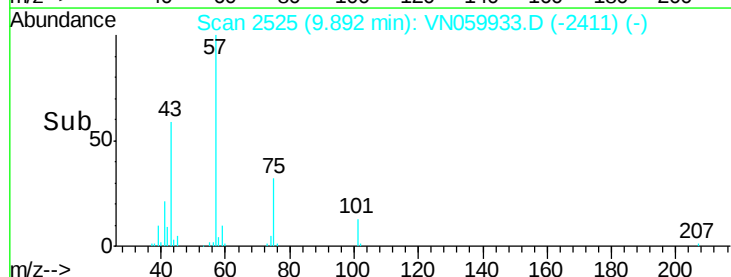
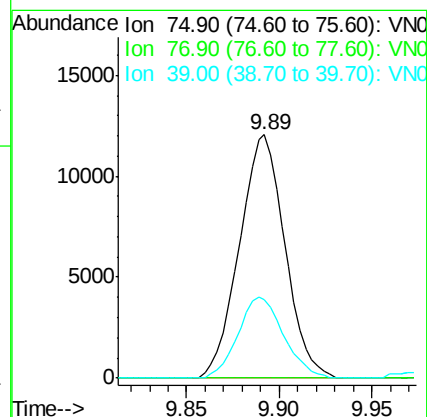
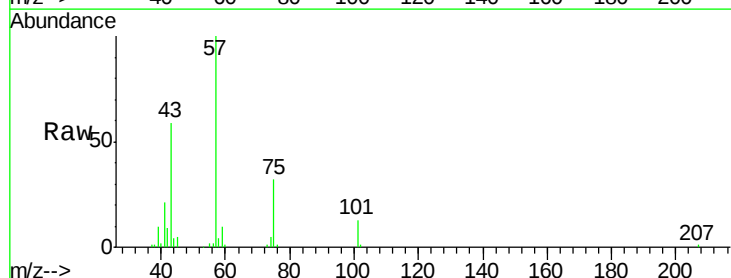
Tgt Ion: 75 Resp: 20558

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 32.4 46.1 69.1#

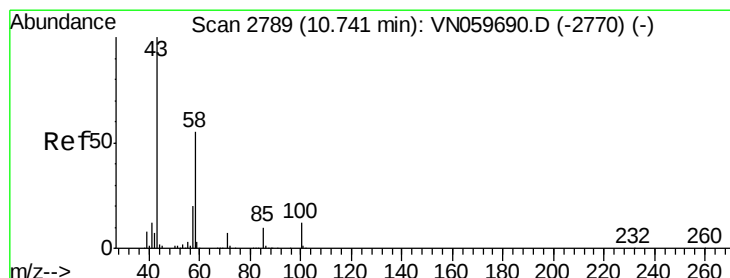
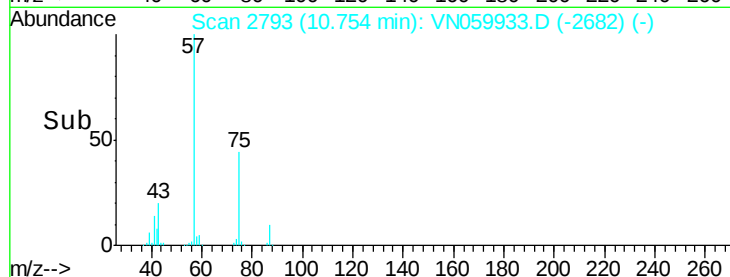
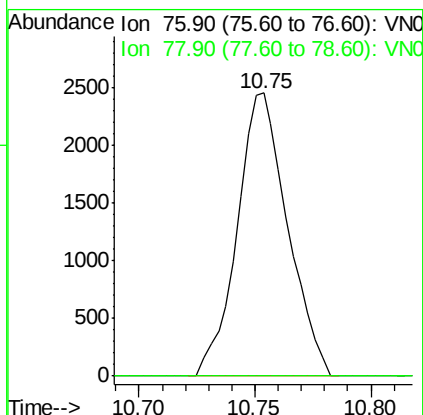
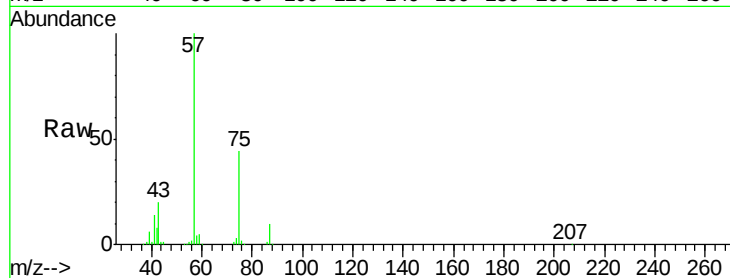




#57
 1,3-Dichloropropane
 Concen: 1.16 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059933.D
 Acq: 30 Jan 2020 16:53

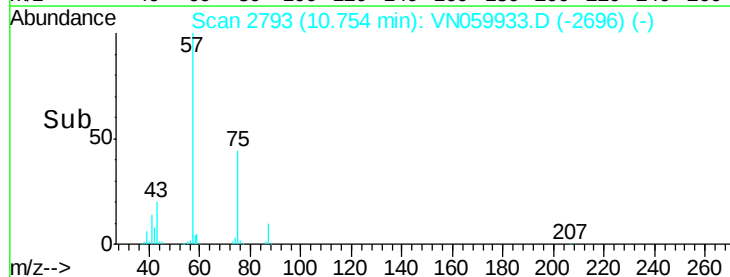
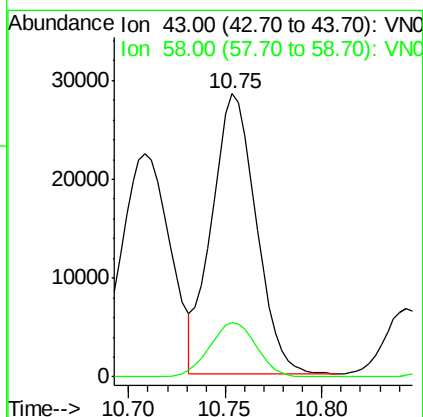
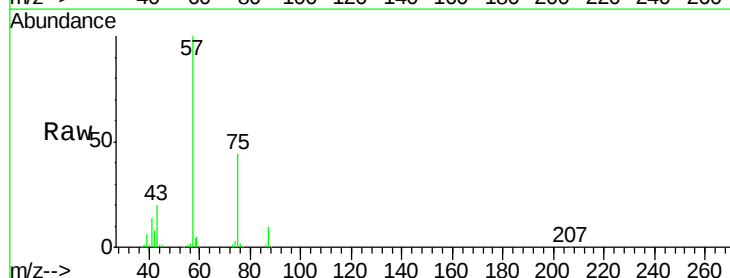
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126447ZHE#09

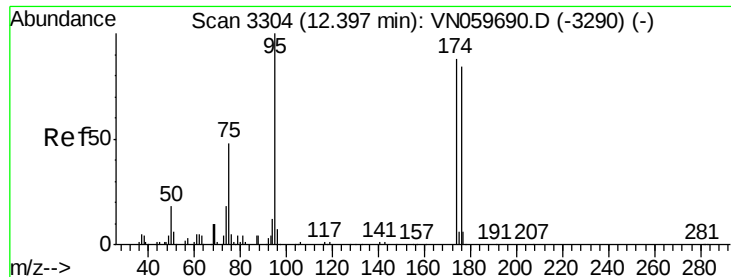
Tgt Ion: 76 Resp: 3702
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 24.47 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059933.D
 Acq: 30 Jan 2020 16:53

Tgt Ion: 43 Resp: 45366
 Ion Ratio Lower Upper
 43 100
 58 20.3 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 50.62 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059933.D

Acq: 30 Jan 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

PB126447ZHE#09

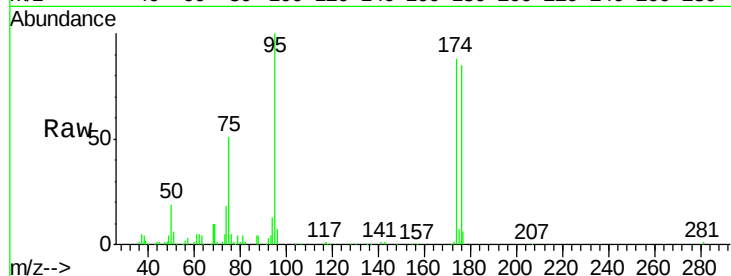
Tgt Ion: 95 Resp: 130662

Ion Ratio Lower Upper

95 100

174 88.3 0.0 151.4

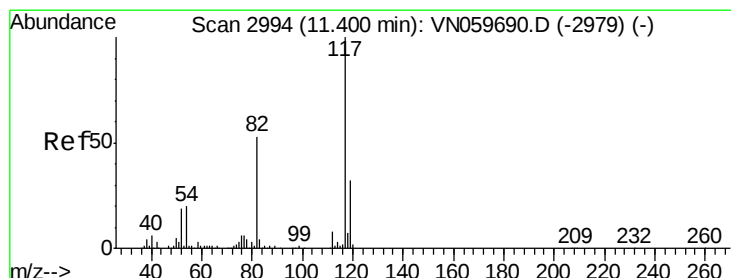
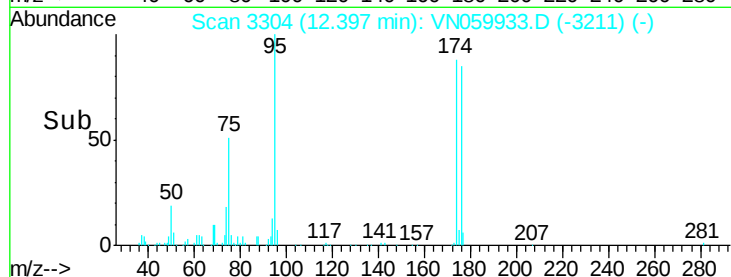
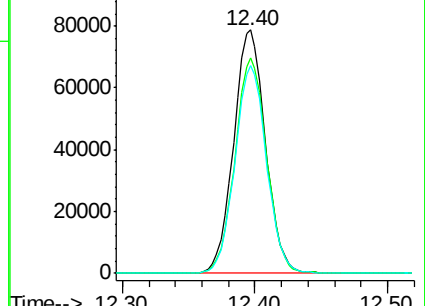
176 85.0 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059933.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN059933.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN059933.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059933.D

Acq: 30 Jan 2020 16:53

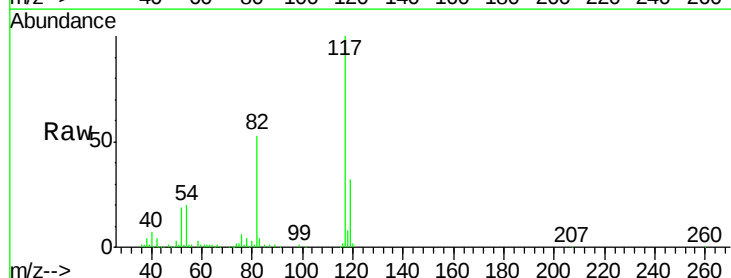
Tgt Ion: 117 Resp: 286447

Ion Ratio Lower Upper

117 100

82 53.2 45.9 68.9

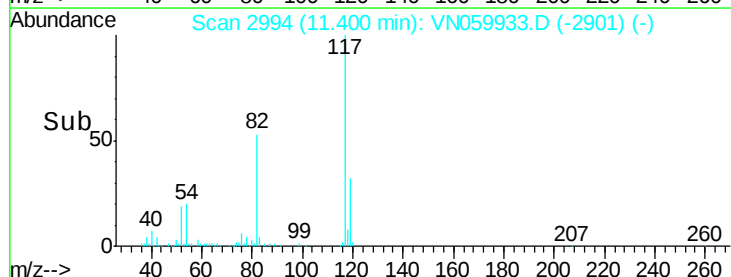
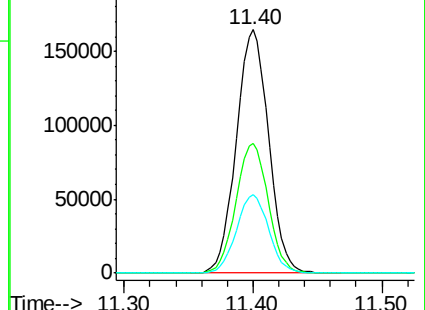
119 32.2 25.5 38.3

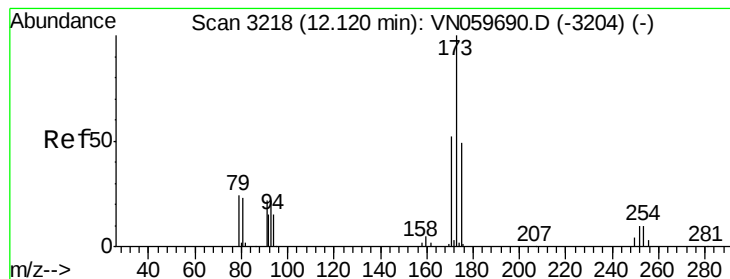


Abundance Ion 116.90 (116.60 to 117.60): VN059933.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN059933.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN059933.D (-2901) (-)





#71

Bromoform

Concen: 0.28 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN059933.D

Acq: 30 Jan 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

PB126447ZHE#09

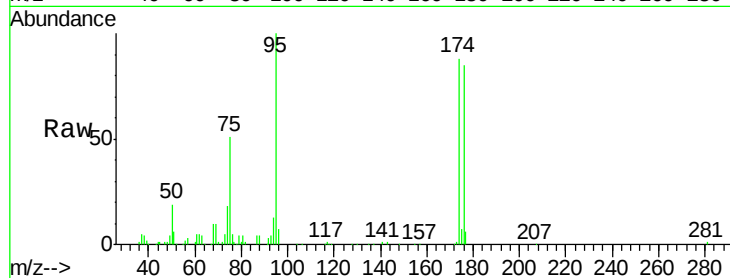
Tgt Ion:173 Resp: 485

Ion Ratio Lower Upper

173 100

175 1566.4 23.8 71.4#

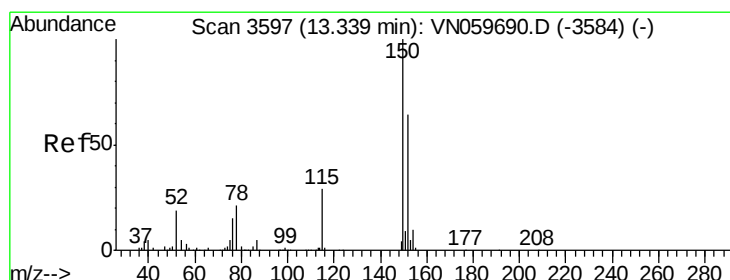
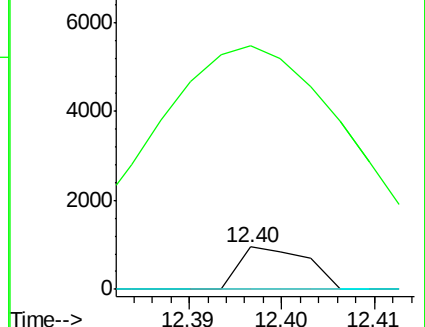
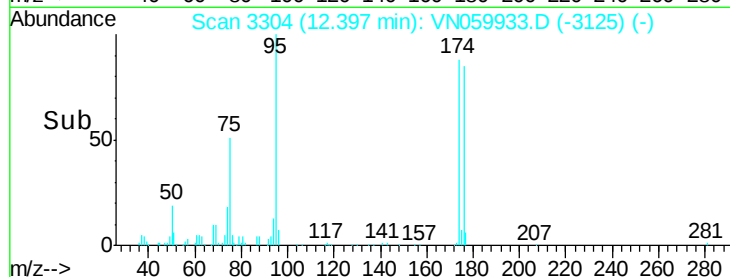
254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059933.D

Acq: 30 Jan 2020 16:53

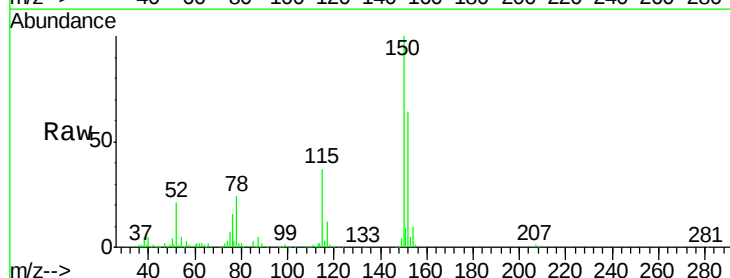
Tgt Ion:152 Resp: 130334

Ion Ratio Lower Upper

152 100

115 57.4 30.3 90.9

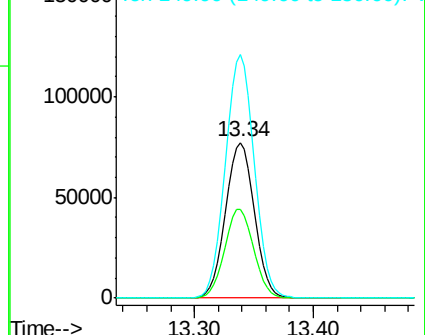
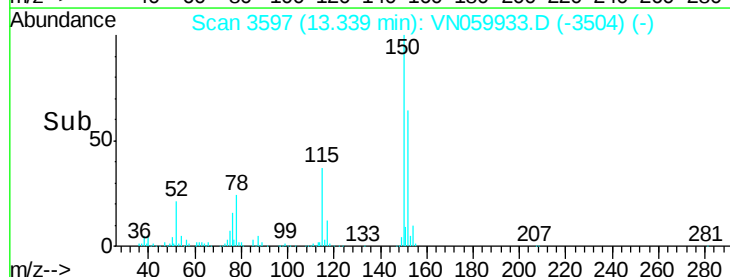
150 156.9 0.0 345.2

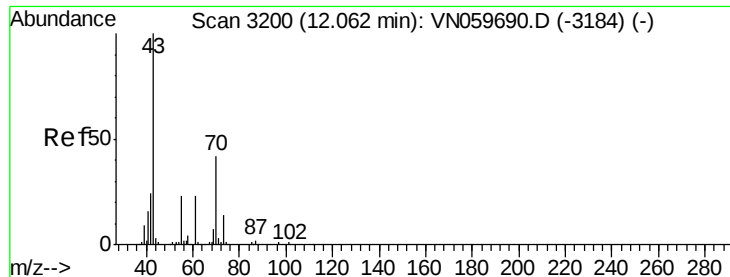


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.32 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059933.D

Acq: 30 Jan 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

PB126447ZHE#09

Tgt Ion: 43 Resp: 1179

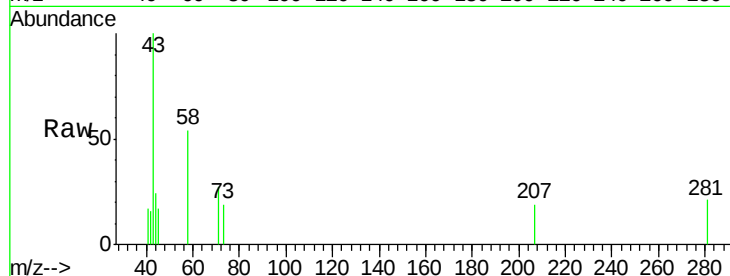
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

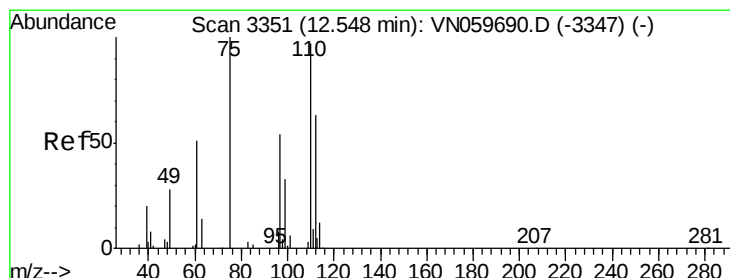
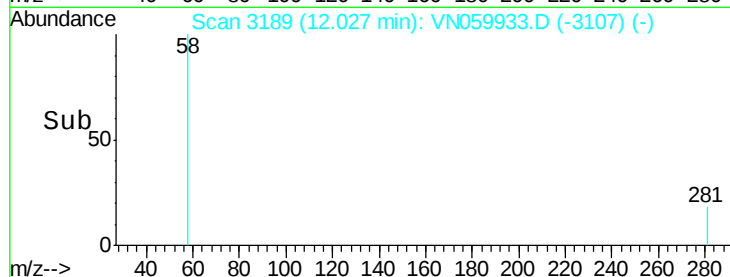
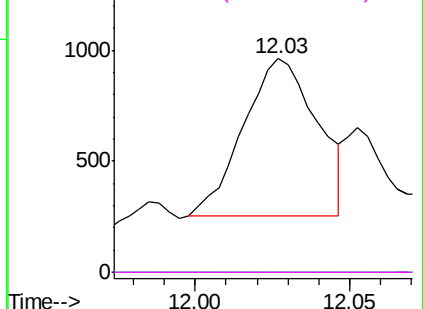


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC



#76

1,2,3-Trichloropropane

Concen: 30.91 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059933.D

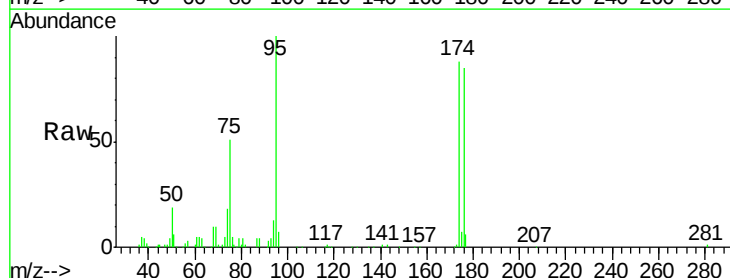
Acq: 30 Jan 2020 16:53

Tgt Ion: 75 Resp: 67806

Ion Ratio Lower Upper

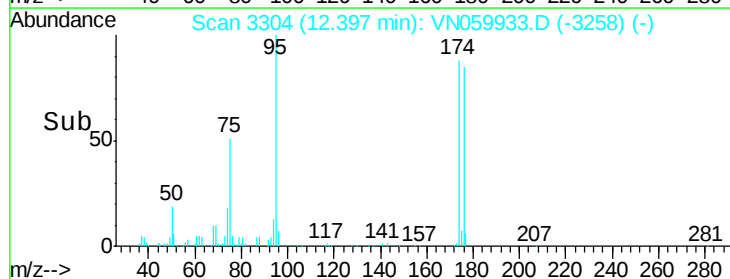
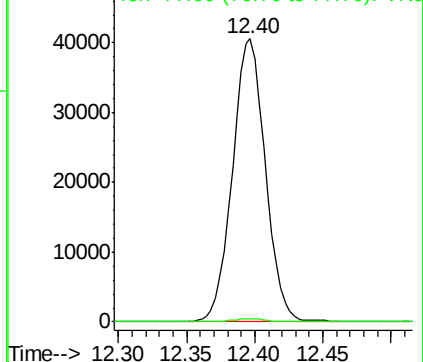
75 100

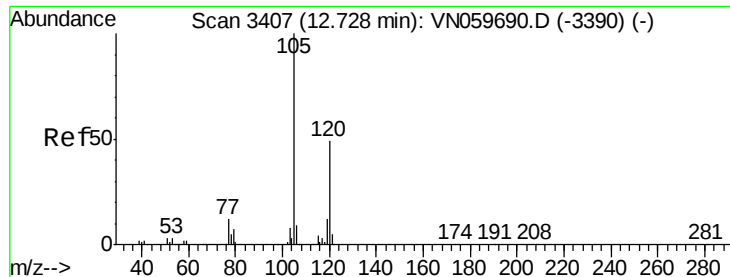
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

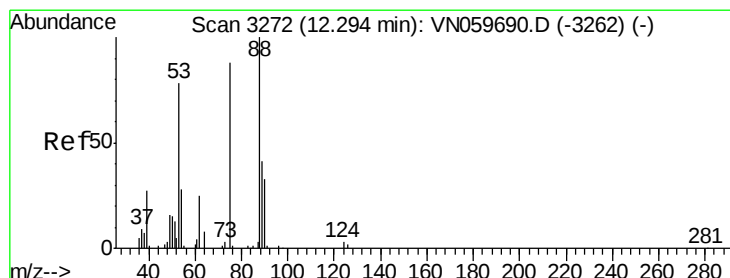
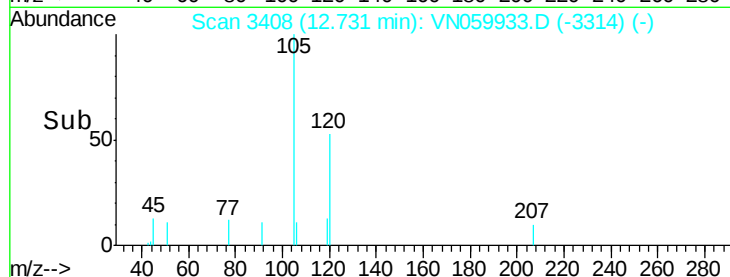
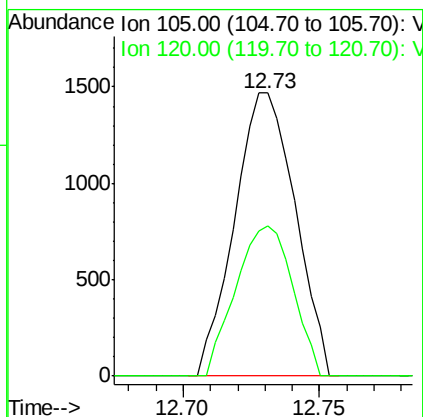
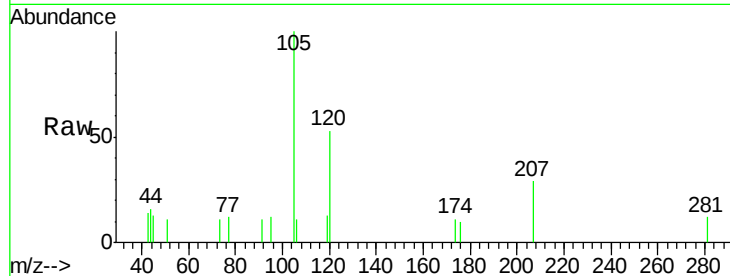




#80
 1,3,5-Trimethylbenzene
 Concen: 0.28 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN059933.D
 Acq: 30 Jan 2020 16:53

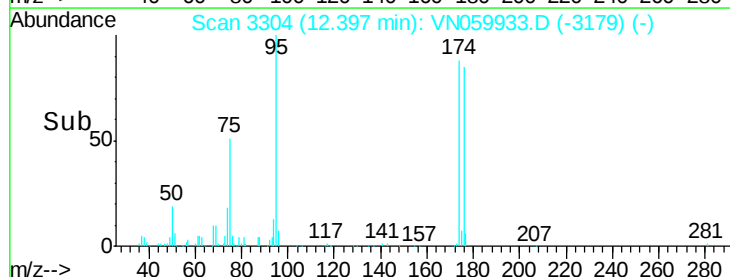
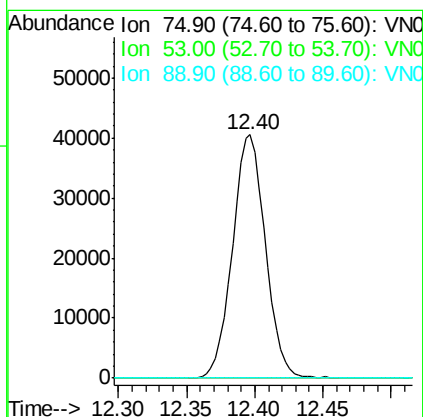
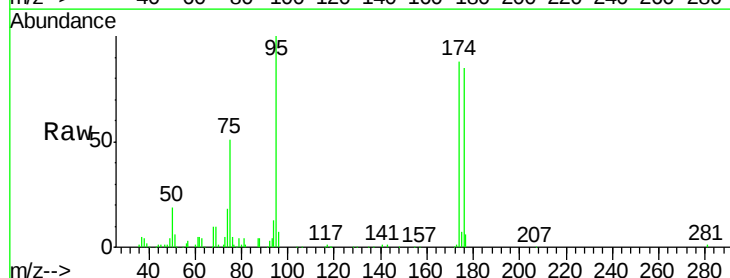
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126447ZHE#09

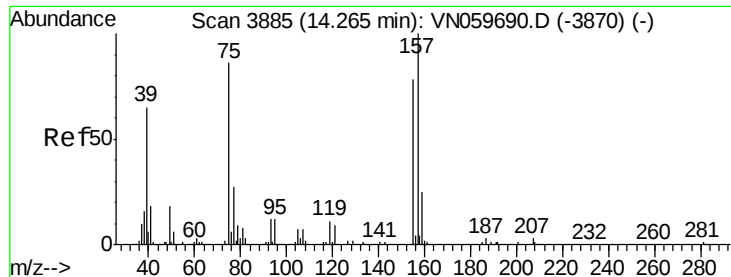
Tgt Ion: 105 Resp: 2265
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.39 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN059933.D
 Acq: 30 Jan 2020 16:53

Tgt Ion: 75 Resp: 67806
 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: 14.29 min Scan# 3893

Delta R.T. 0.03 min

Lab File: VN059933.D

Acq: 30 Jan 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

PB126447ZHE#09

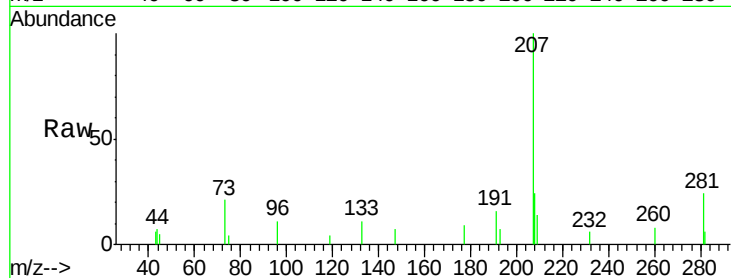
Tgt Ion: 75 Resp: 61

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): VN059933.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN059933.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN059933.D (-3791) (-)

