

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030420\
 Data File : VN060343.D
 Acq On : 4 Mar 2020 13:10
 Operator : JC/MD
 Sample : PB127249ZHE#12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#12

Quant Time: Mar 05 05:09:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	324297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	301149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137319	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	127191	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
35) Dibromofluoromethane	7.56	113	87751	58.30	ug/l	0.00
Spiked Amount			Recovery	=	116.60%	
50) Toluene-d8	10.08	98	397458	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.40	95	147135	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	

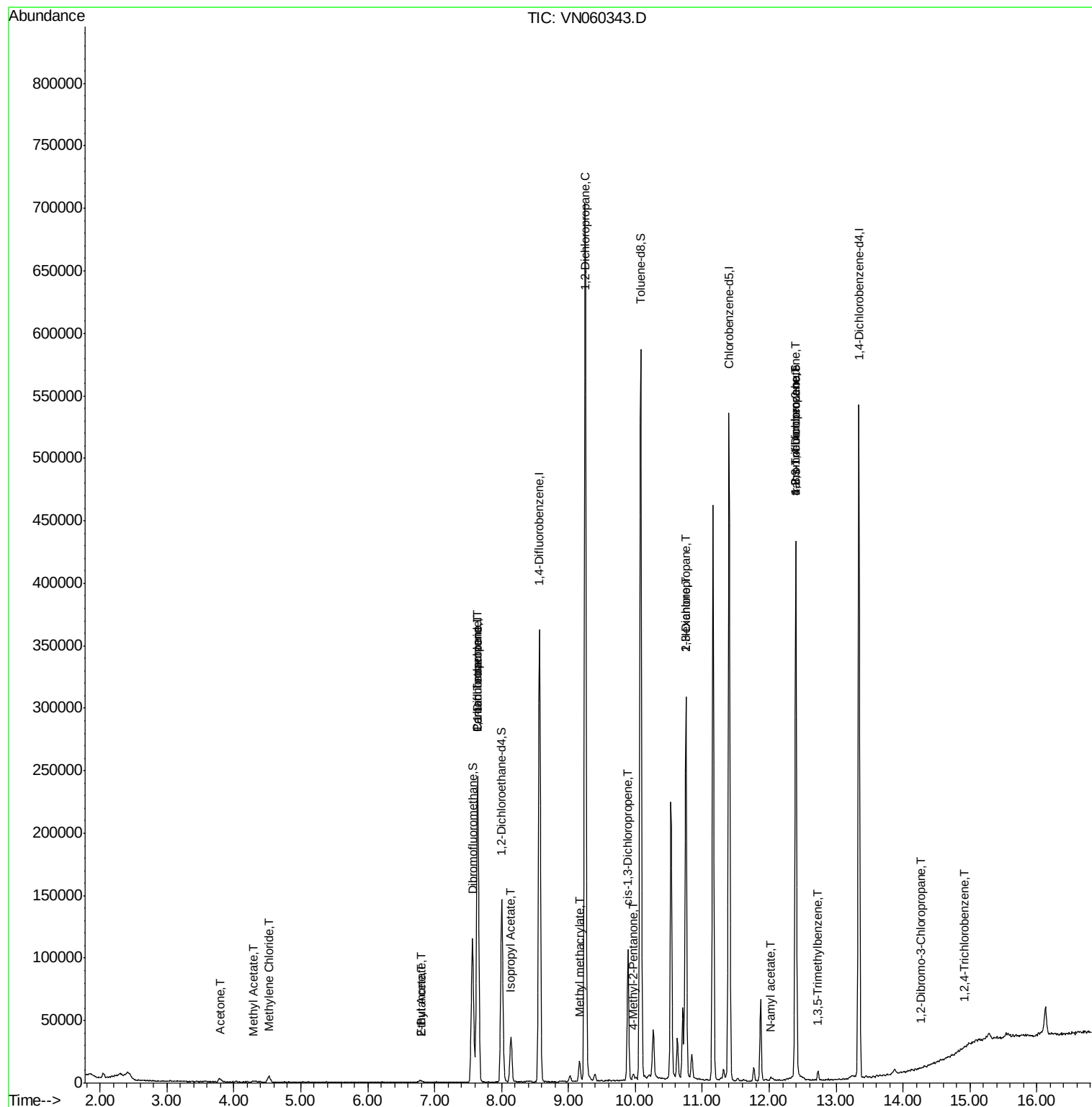
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5595	6.793	ug/l	96
17) Carbon Disulfide	4.03	76	310	Below Cal	#	75
18) Methyl Acetate	4.30	43	868	0.316	ug/l #	52
20) Methylene Chloride	4.52	84	3496	1.546	ug/l #	93
25) 2-Butanone	6.81	43	1439	1.082	ug/l #	49
31) Cyclohexane	7.64	56	4536	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15217	4.923	ug/l #	49
37) Ethyl Acetate	6.81	43	1439	0.492	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19477	6.473	ug/l #	16
43) Isopropyl Acetate	8.14	43	43284	8.448	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	694	0.295	ug/l #	44
48) Methyl methacrylate	9.16	41	2417	1.035	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2869	0.988	ug/l	98
54) cis-1,3-Dichloropropene	9.89	75	18661	4.735	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	2956	0.798	ug/l #	42
59) 2-Hexanone	10.75	43	45052	21.123	ug/l #	52
74) N-amyl acetate	12.02	43	3088	0.694	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	74904	24.862	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4285	0.500	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	74904	68.631	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	359	Below Cal	#	61
88) 1,4-Dichlorobenzene	13.36	146	337	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	14.27	75	238	0.380	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	505	0.270	ug/l #	62
95) Naphthalene	15.13	128	1081	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.31	180	356	Below Cal	#	76

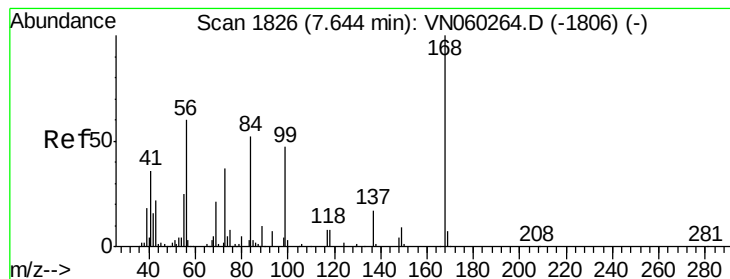
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN030420\
Data File : VN060343.D
Acq On : 4 Mar 2020 13:10
Operator : JC/MD
Sample : PB127249ZHE#12
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB127249ZHE#12

Quant Time: Mar 05 05:09:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060343.D

Acq: 4 Mar 2020 13:10

Instrument :

MSVOA_N

ClientSampleId :

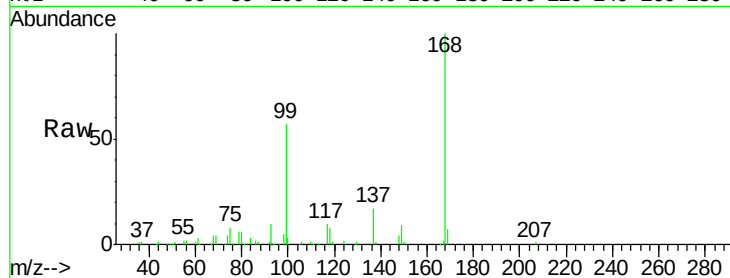
PB127249ZHE#12

Tgt Ion:168 Resp: 198791

Ion Ratio Lower Upper

168 100

99 56.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

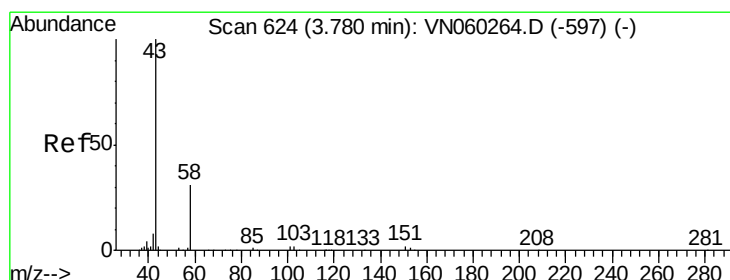
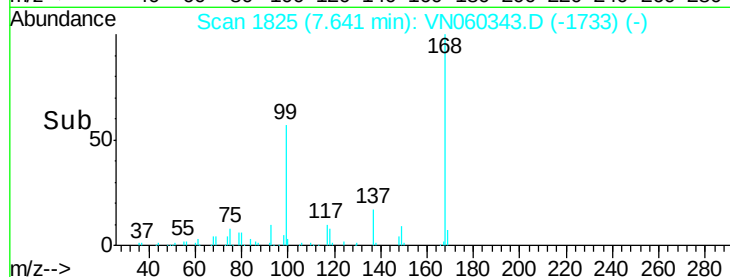
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 6.793 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060343.D

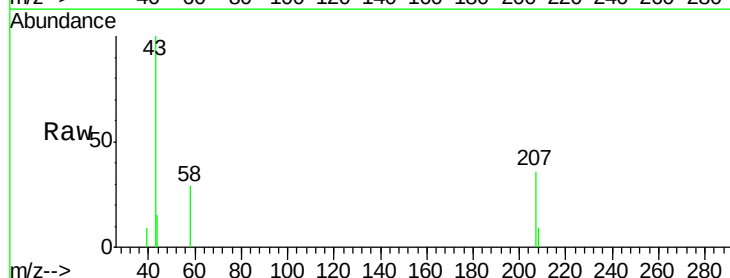
Acq: 4 Mar 2020 13:10

Tgt Ion: 43 Resp: 5595

Ion Ratio Lower Upper

43 100

58 28.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

2000

1500

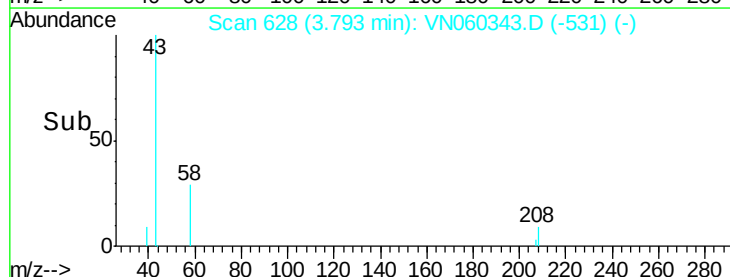
1000

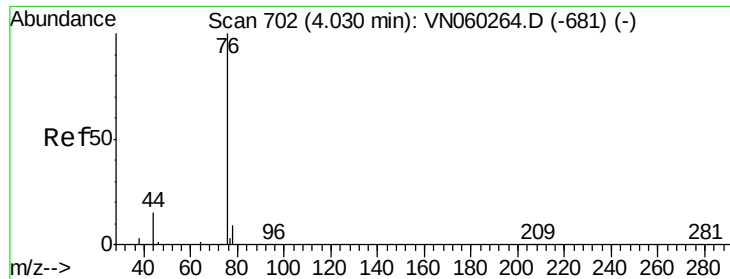
500

0

3.70 3.75 3.80 3.85 3.90

Time-->

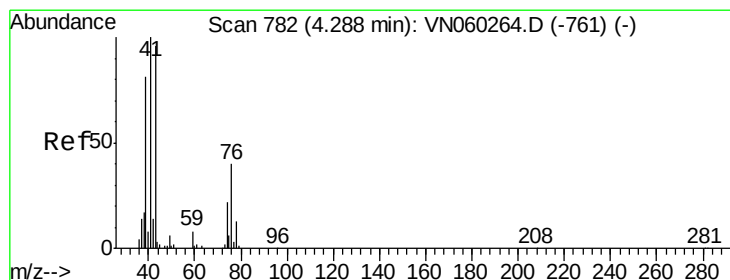
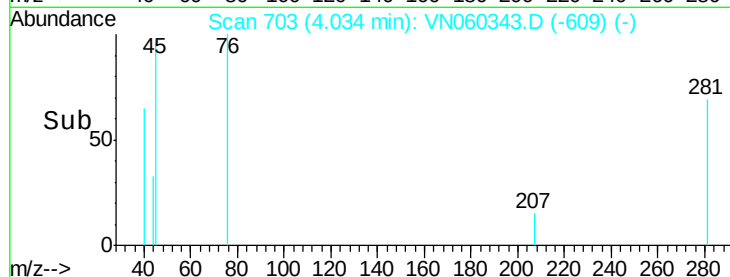
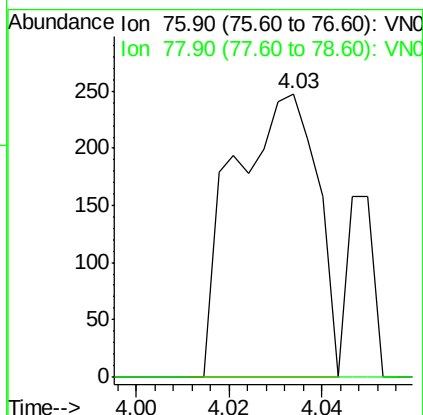
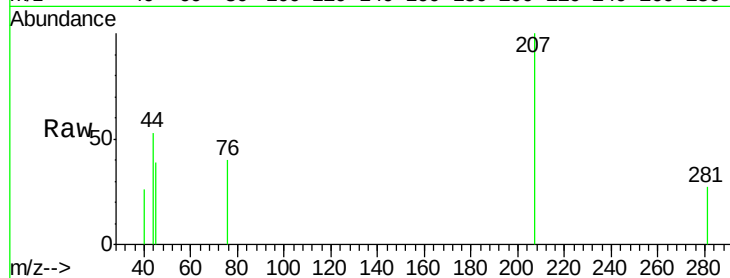




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060343.D
Acq: 4 Mar 2020 13:10

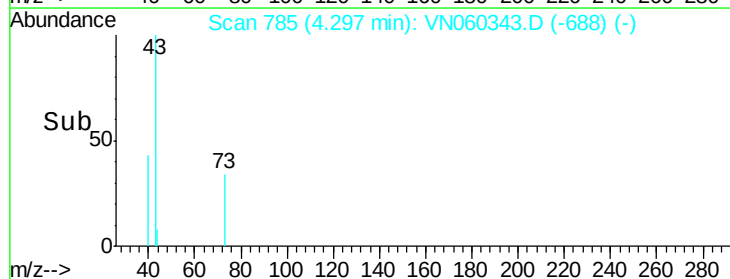
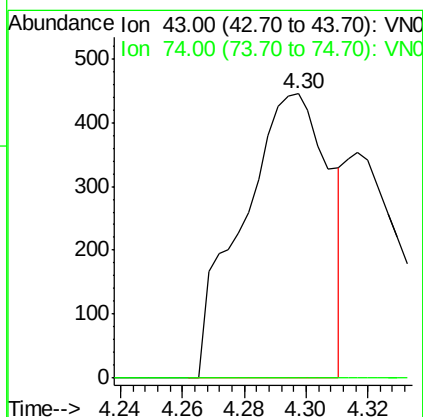
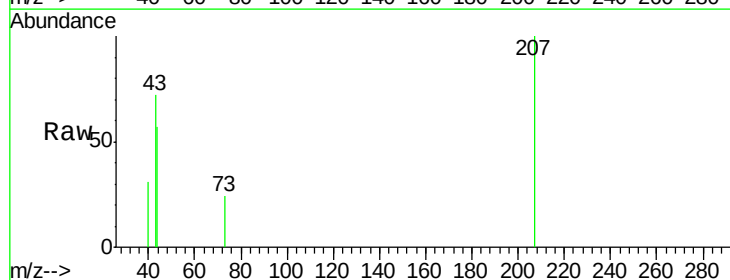
Instrument :
MSVOA_N
ClientSampleId :
PB127249ZHE#12

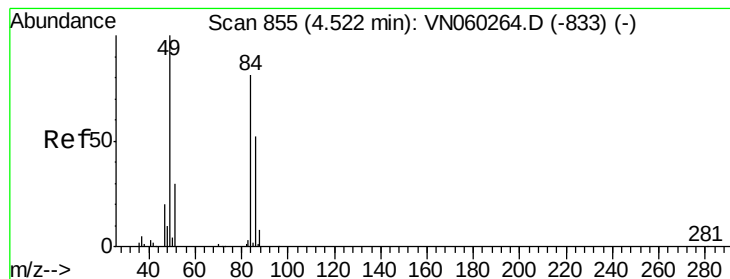
Tgt Ion: 76 Resp: 310
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.316 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060343.D
Acq: 4 Mar 2020 13:10

Tgt Ion: 43 Resp: 868
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#





#20

Methylene Chloride

Concen: 1.546 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN060343.D

Acq: 4 Mar 2020 13:10

Instrument :

MSVOA_N

ClientSampleId :

PB127249ZHE#12

Tgt Ion: 84 Resp: 3496

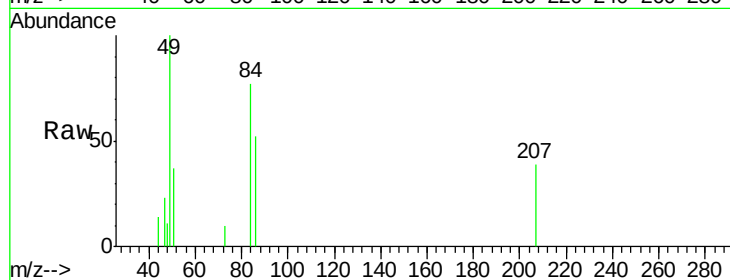
Ion Ratio Lower Upper

84 100

49 129.6 99.3 148.9

51 47.4 30.1 45.1#

86 67.0 51.1 76.7

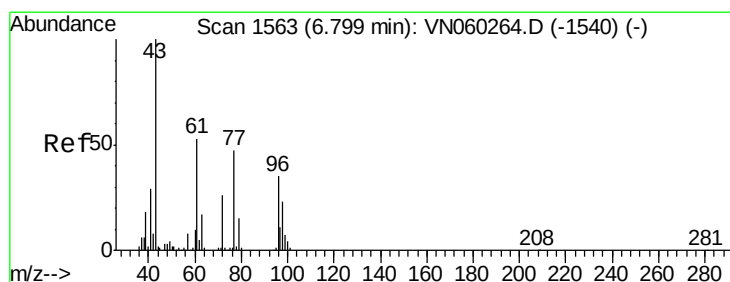
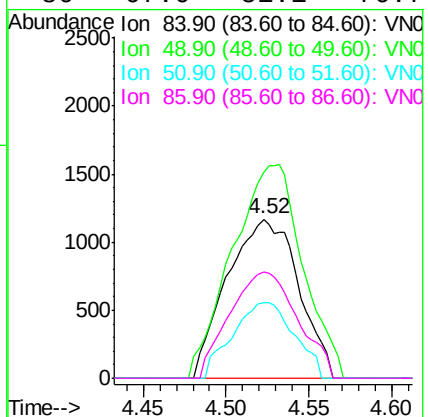
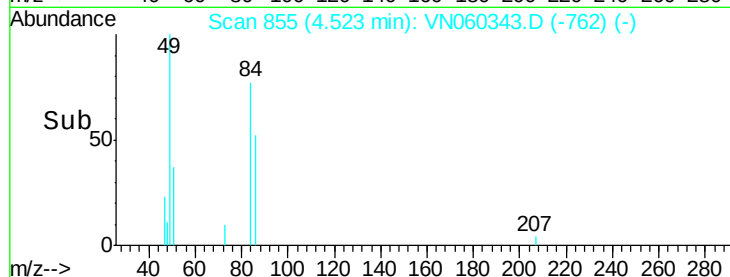


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#25

2-Butanone

Concen: 1.082 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN060343.D

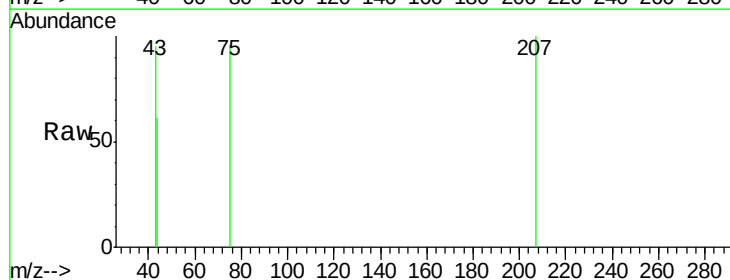
Acq: 4 Mar 2020 13:10

Tgt Ion: 43 Resp: 1439

Ion Ratio Lower Upper

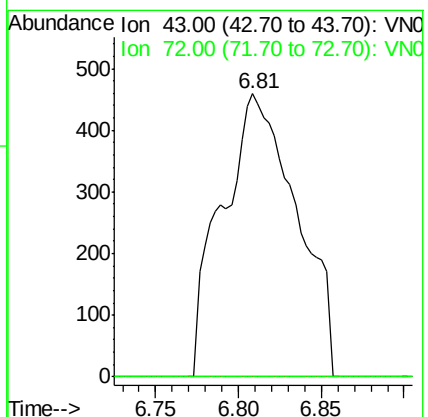
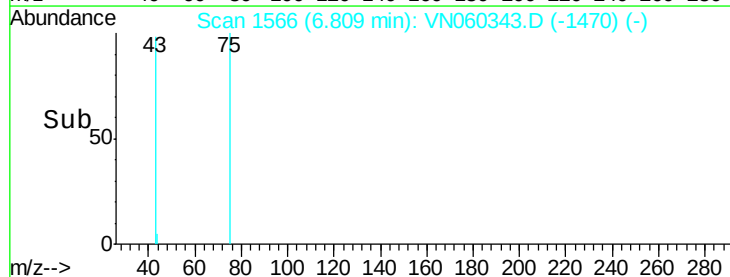
43 100

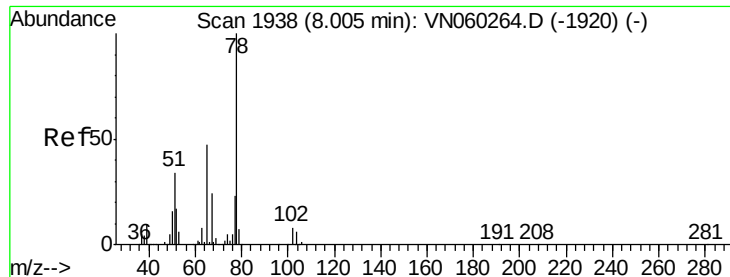
72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

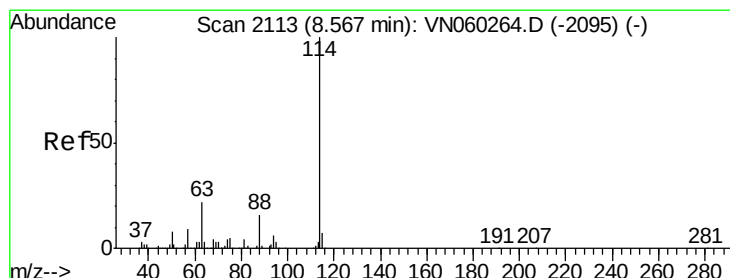
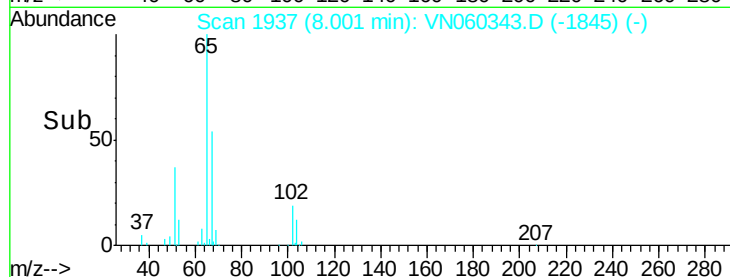
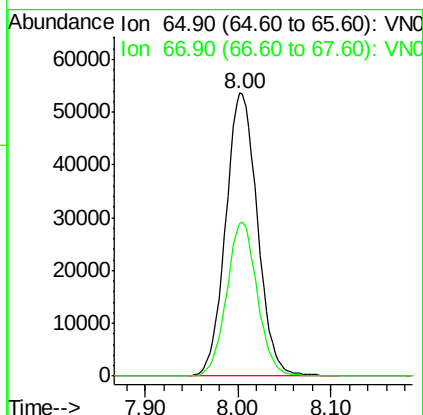
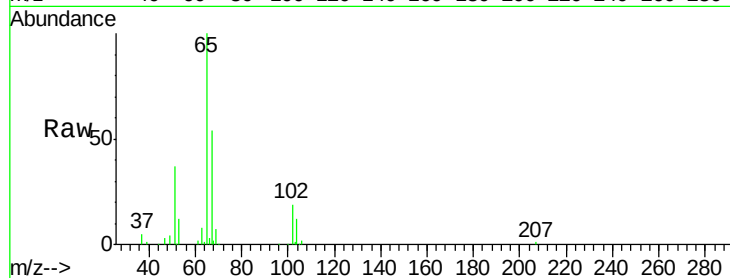




#33
 1,2-Dichloroethane-d4
 Concen: 49.869 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060343.D
 Acq: 4 Mar 2020 13:10

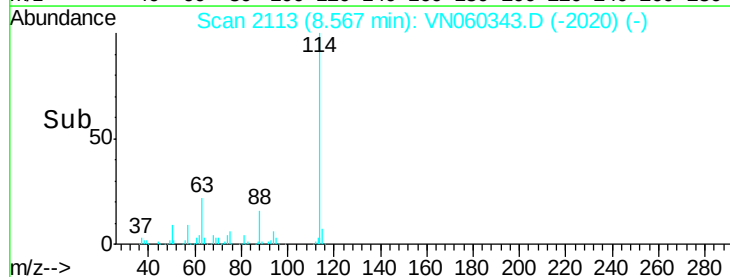
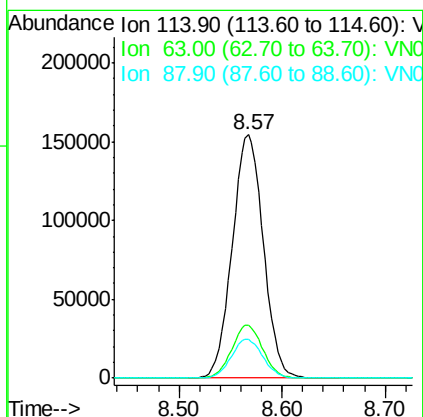
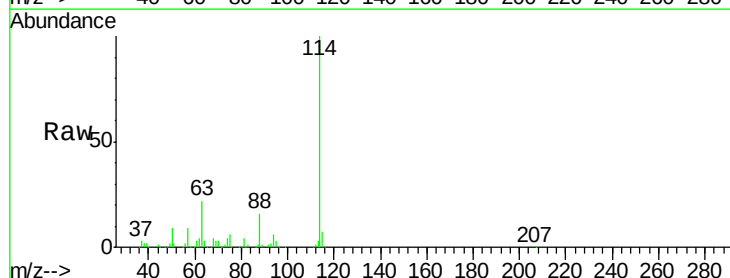
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#12

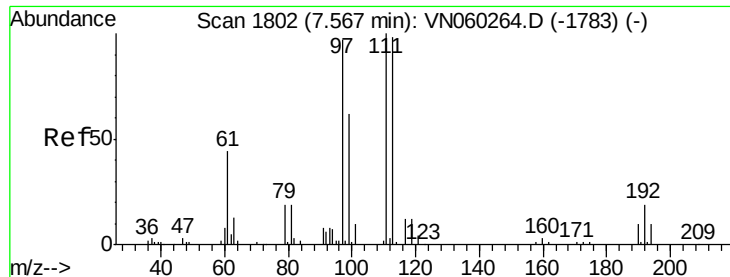
Tgt Ion: 65 Resp: 127191
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060343.D
 Acq: 4 Mar 2020 13:10

Tgt Ion: 114 Resp: 324297
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 15.9 0.0 31.6

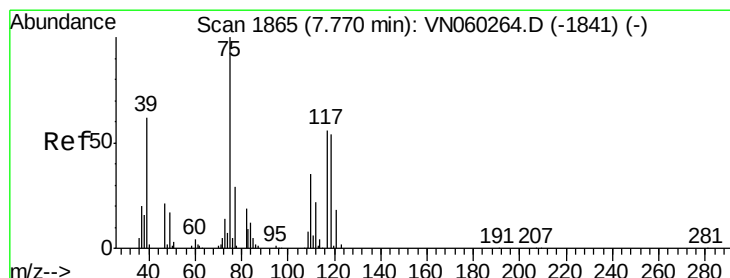
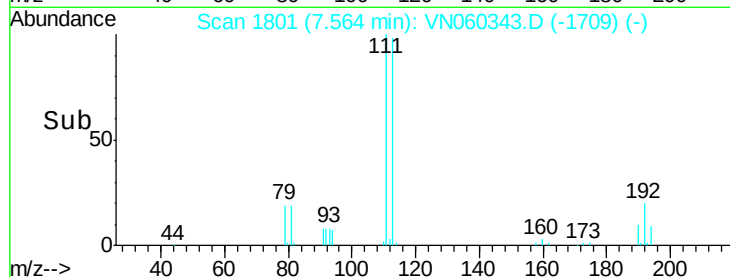
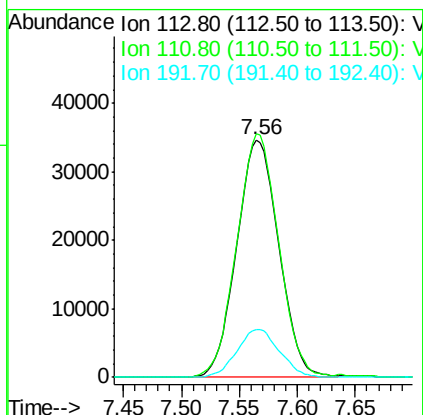
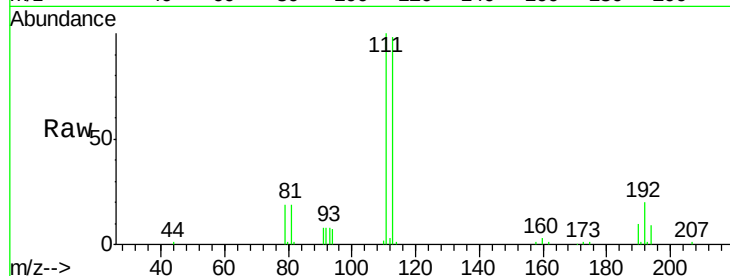




#35
 Dibromofluoromethane
 Concen: 58.295 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060343.D
 Acq: 4 Mar 2020 13:10

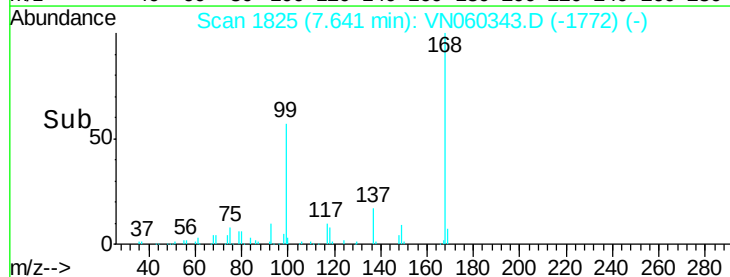
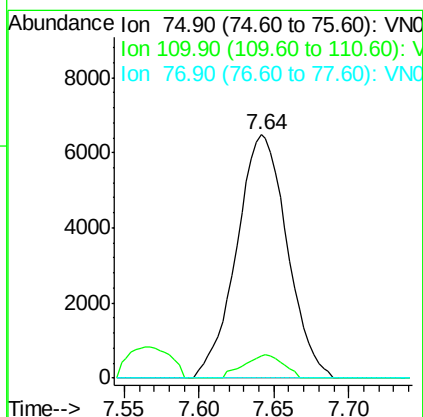
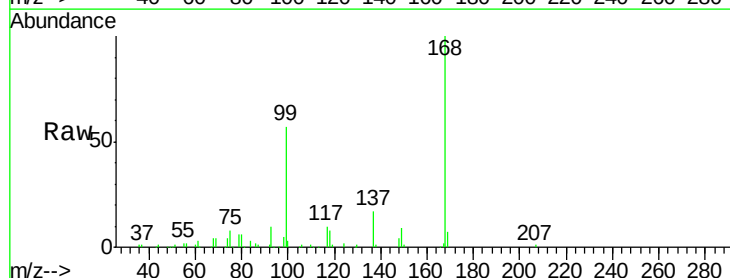
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#12

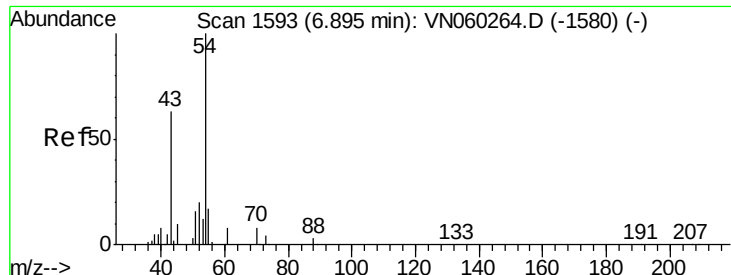
Tgt Ion: 113 Resp: 87751
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.4 123.6
 192 20.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.923 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060343.D
 Acq: 4 Mar 2020 13:10

Tgt Ion: 75 Resp: 15217
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.3 52.0#
 77 0.0 24.2 36.2#

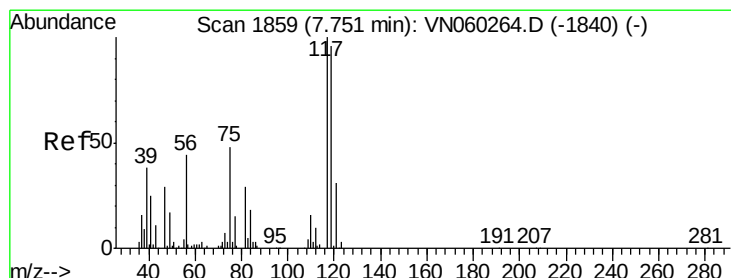
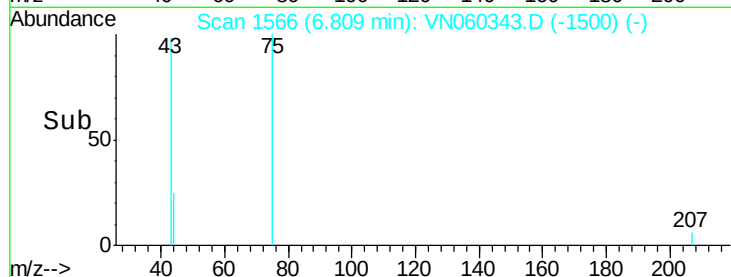
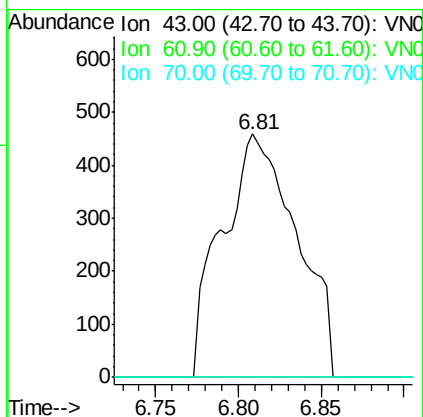
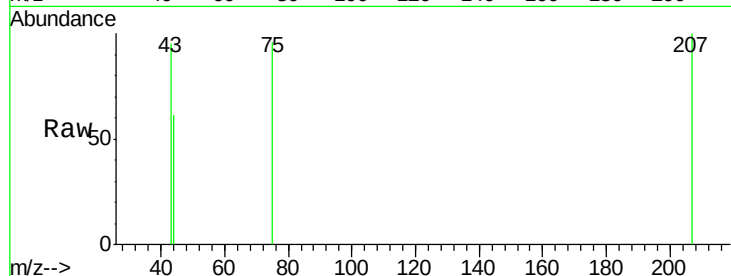




#37
Ethyl Acetate
 Concen: 0.492 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN060343.D
 Acq: 4 Mar 2020 13:10

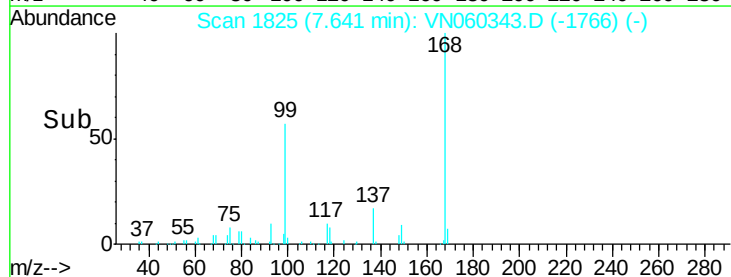
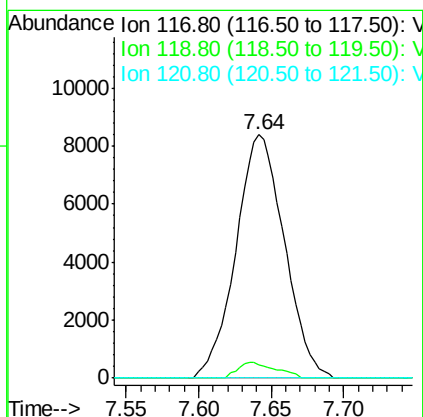
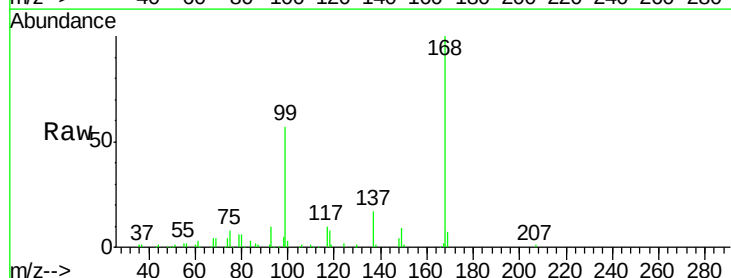
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#12

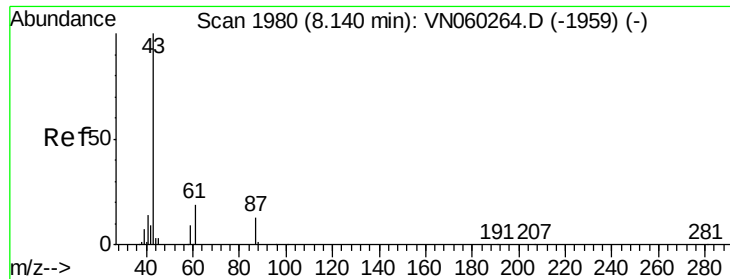
Tgt Ion: 43 Resp: 1439
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.1 16.7#
 70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
 Concen: 6.473 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060343.D
 Acq: 4 Mar 2020 13:10

Tgt Ion: 117 Resp: 19477
 Ion Ratio Lower Upper
 117 100
 119 5.5 76.7 115.1#
 121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 8.448 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060343.D

Acq: 4 Mar 2020 13:10

Instrument :

MSVOA_N

ClientSampleId :

PB127249ZHE#12

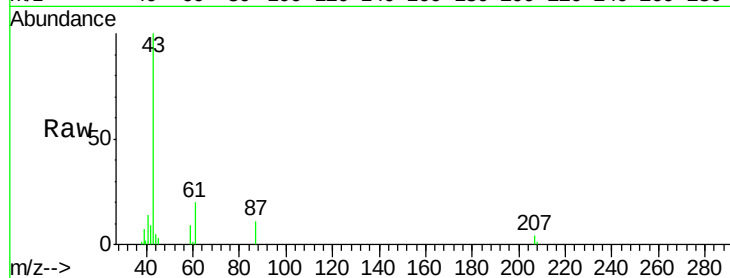
Tgt Ion: 43 Resp: 43284

Ion Ratio Lower Upper

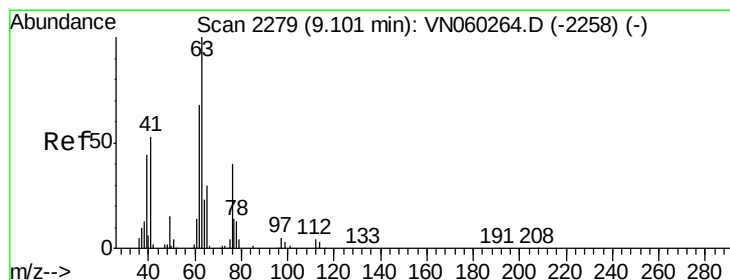
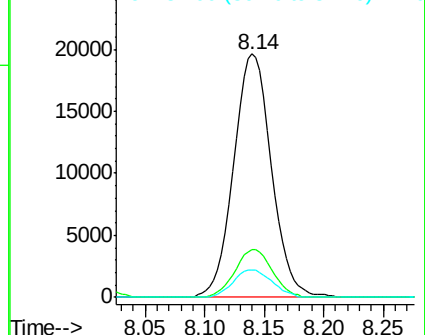
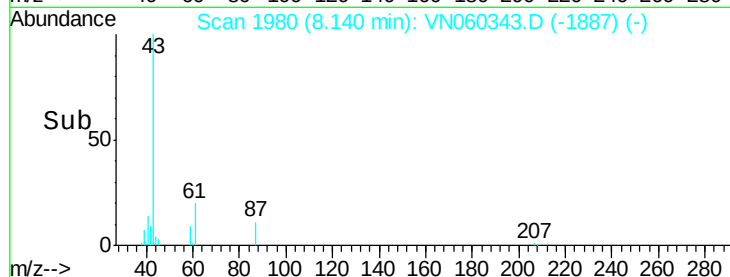
43 100

61 19.3 20.9 31.3#

87 11.6 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060343.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.295 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060343.D

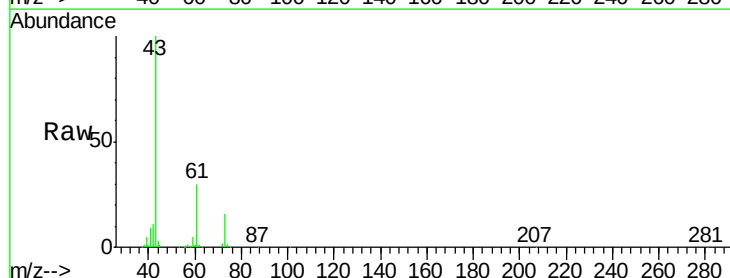
Acq: 4 Mar 2020 13:10

Tgt Ion: 63 Resp: 694

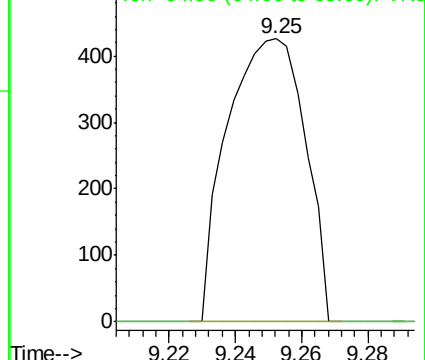
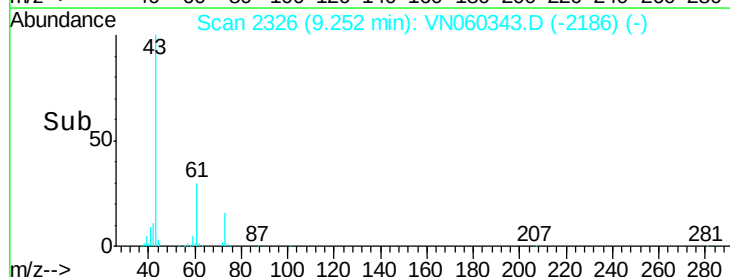
Ion Ratio Lower Upper

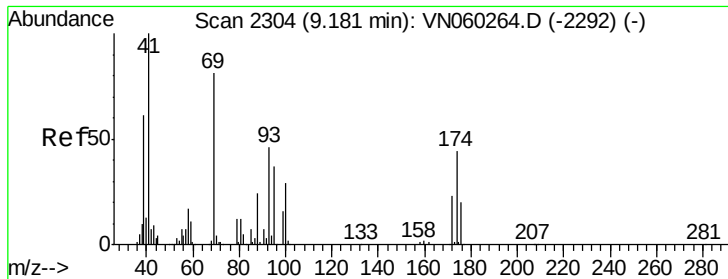
63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060343.D (-2186) (-)

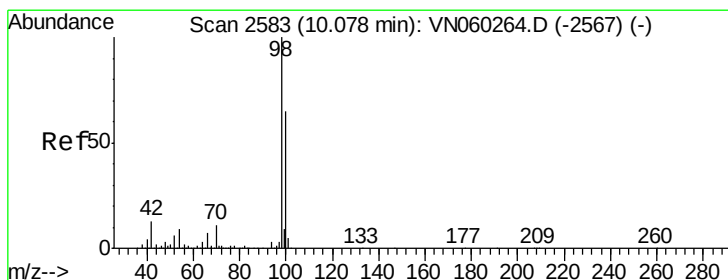
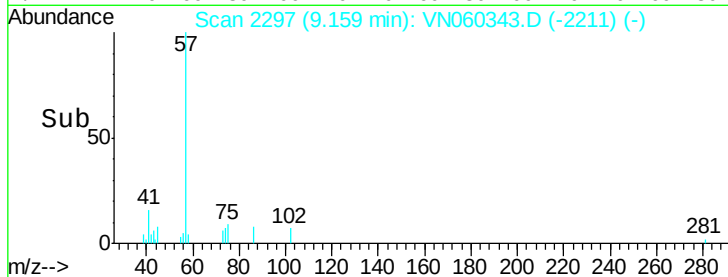
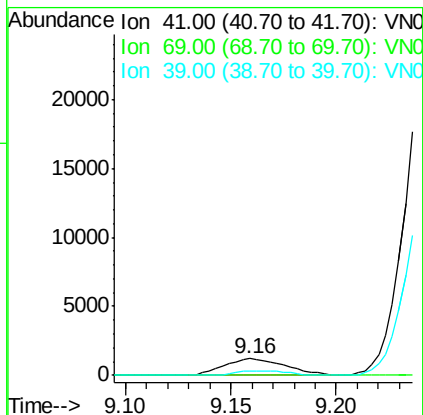
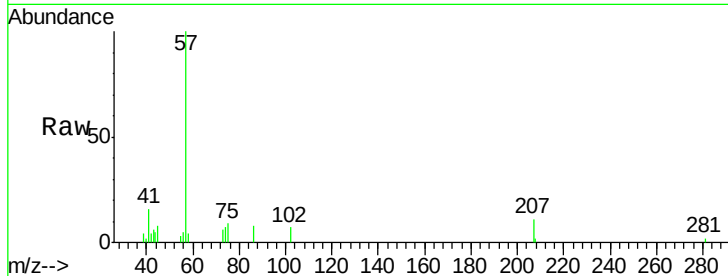




#48
Methyl methacrylate
Concen: 1.035 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060343.D
Acq: 4 Mar 2020 13:10

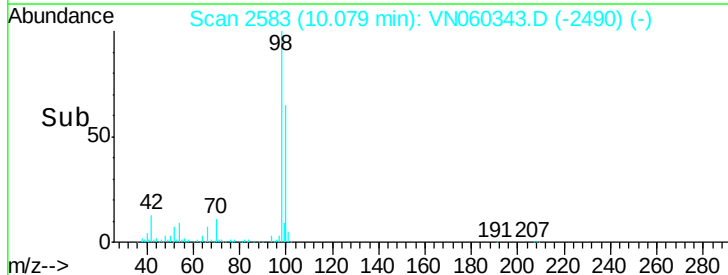
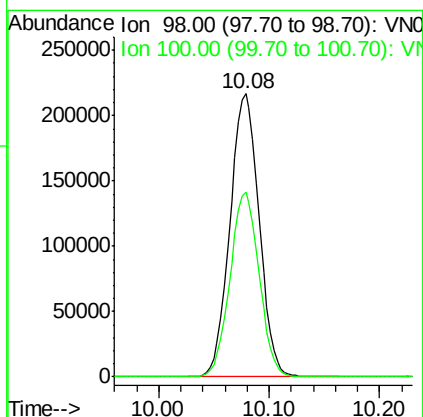
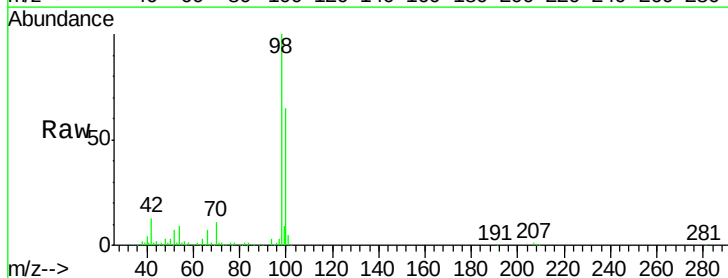
Instrument :
MSVOA_N
ClientSampleId :
PB127249ZHE#12

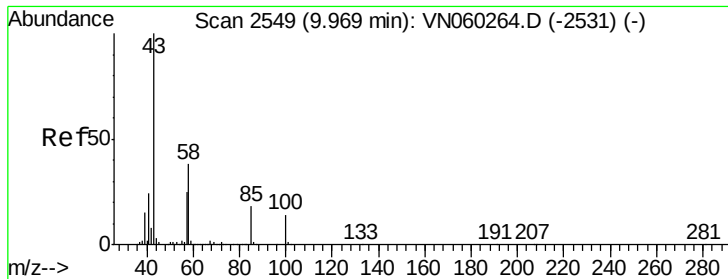
Tgt Ion: 41 Resp: 2417
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#



#50
Toluene-d8
Concen: 52.171 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060343.D
Acq: 4 Mar 2020 13:10

Tgt Ion: 98 Resp: 397458
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2

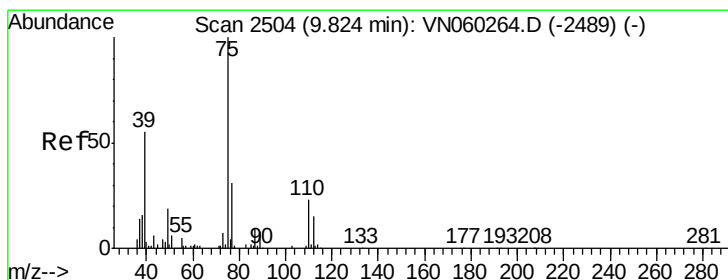
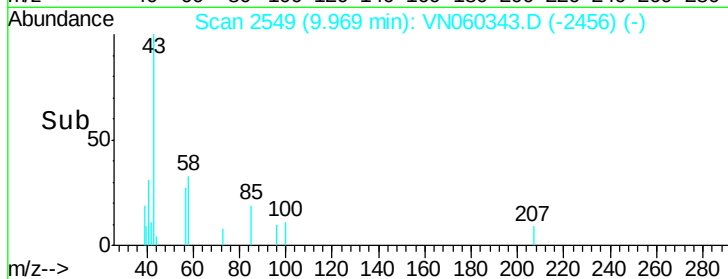
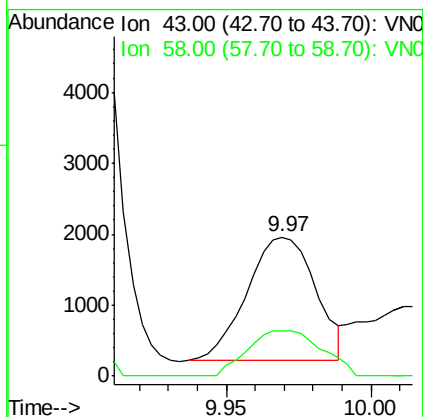
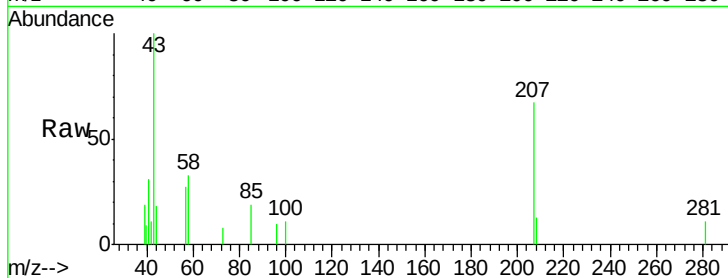




#51
 4-Methyl-2-Pentanone
 Concen: 0.988 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060343.D
 Acq: 4 Mar 2020 13:10

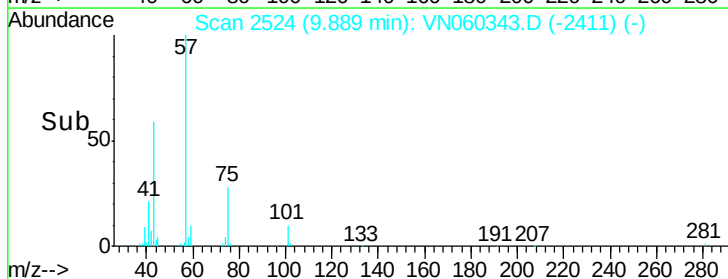
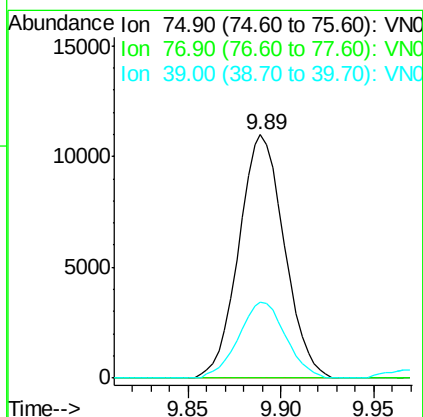
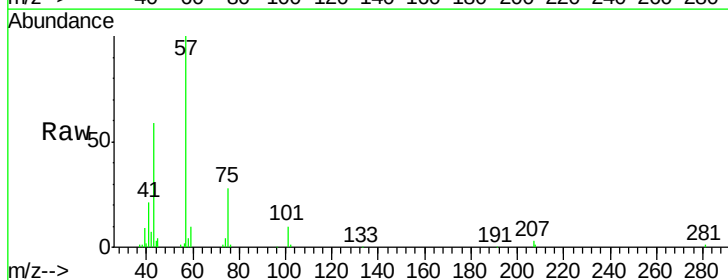
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#12

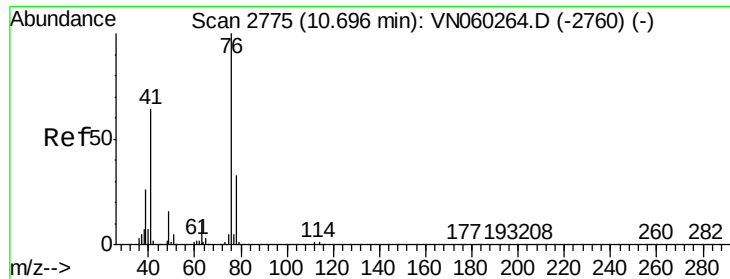
Tgt Ion: 43 Resp: 2869
 Ion Ratio Lower Upper
 43 100
 58 39.9 30.9 46.3



#54
 cis-1,3-Dichloropropene
 Concen: 4.735 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060343.D
 Acq: 4 Mar 2020 13:10

Tgt Ion: 75 Resp: 18661
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 31.2 43.8 65.8#

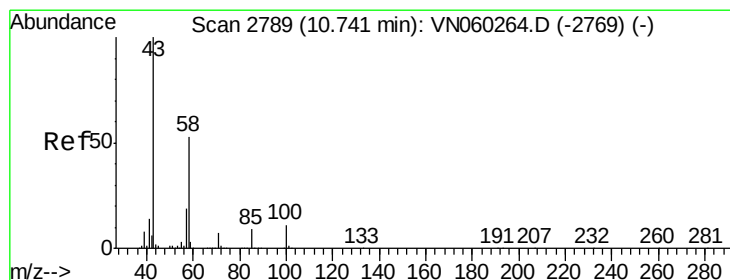
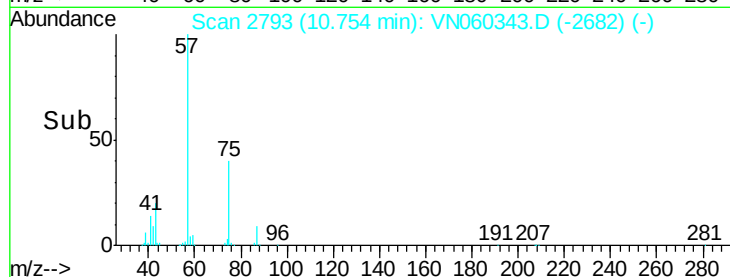
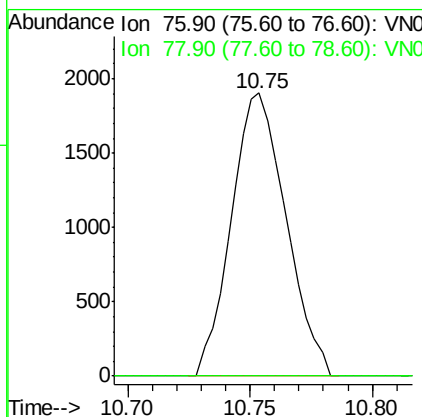
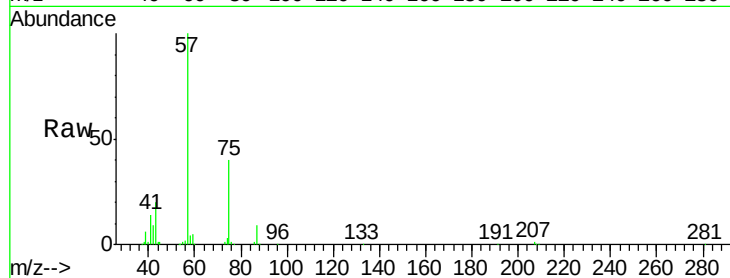




#57
 1,3-Dichloropropane
 Concen: 0.798 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060343.D
 Acq: 4 Mar 2020 13:10

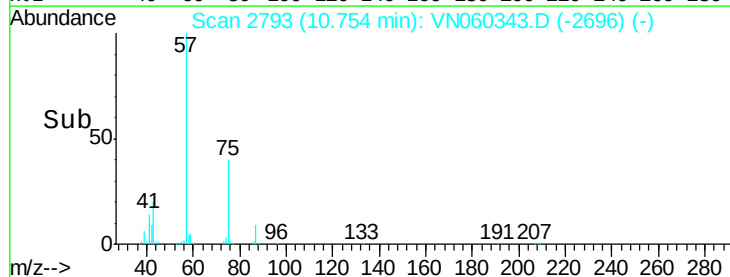
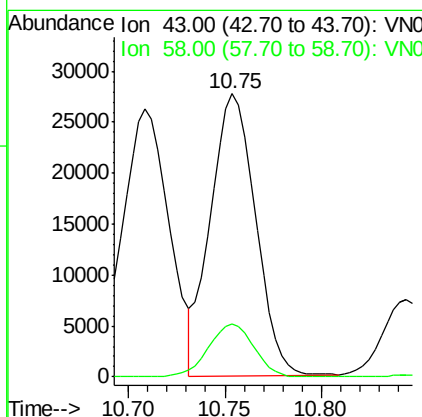
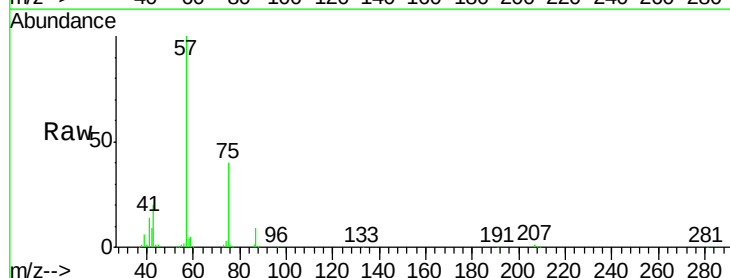
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#12

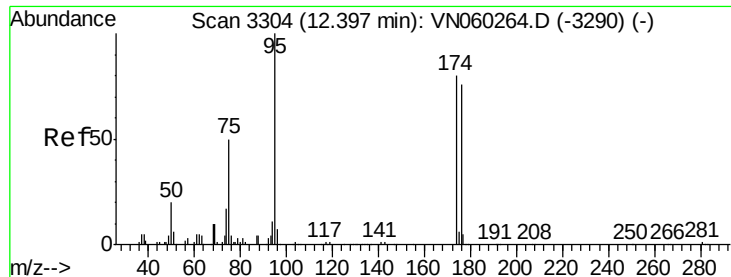
Tgt Ion: 76 Resp: 2956
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 21.123 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060343.D
 Acq: 4 Mar 2020 13:10

Tgt Ion: 43 Resp: 45052
 Ion Ratio Lower Upper
 43 100
 58 18.7 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 50.948 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060343.D

Acq: 4 Mar 2020 13:10

Instrument :

MSVOA_N

ClientSampleId :

PB127249ZHE#12

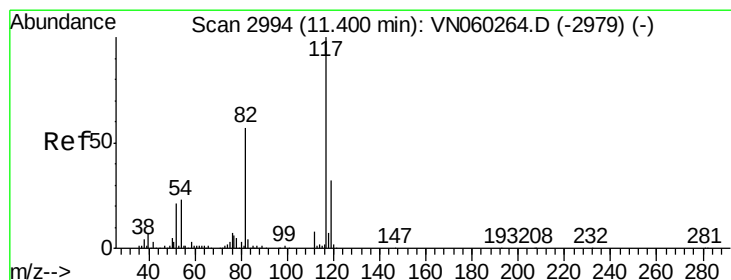
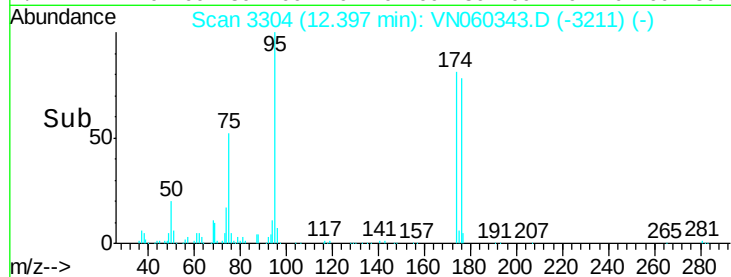
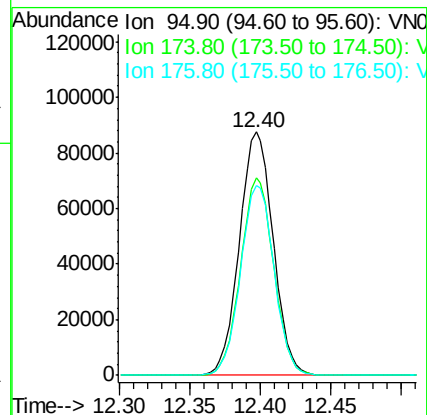
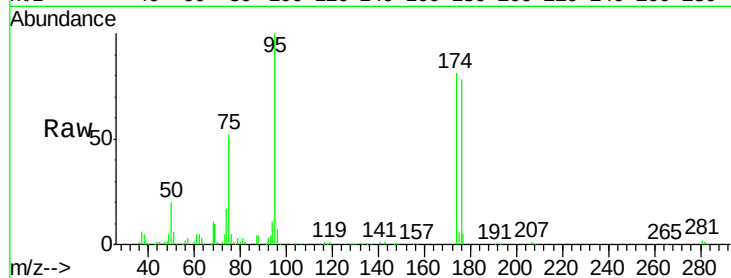
Tgt Ion: 95 Resp: 147135

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.2

176 77.5 0.0 153.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060343.D

Acq: 4 Mar 2020 13:10

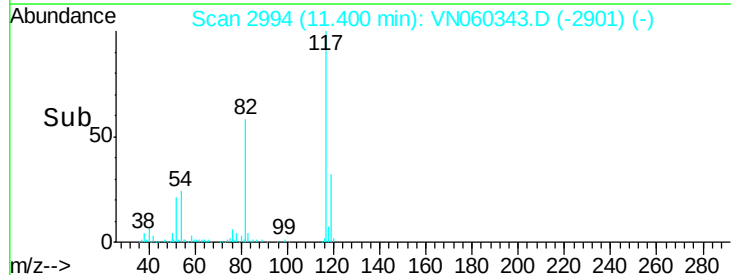
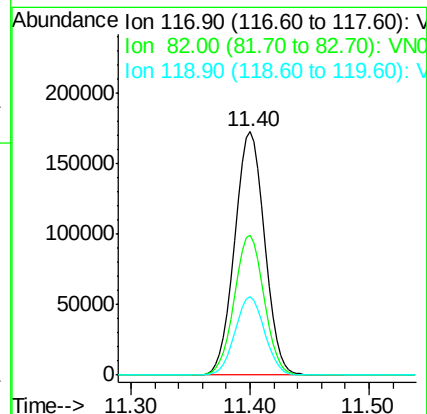
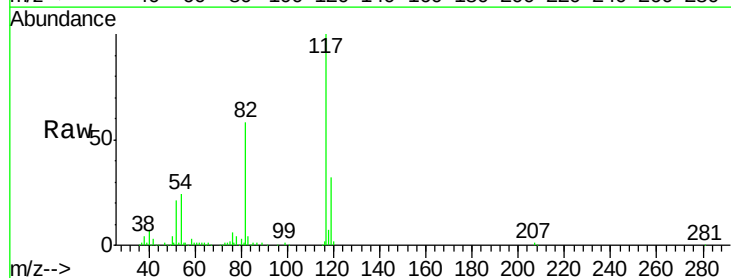
Tgt Ion: 117 Resp: 301149

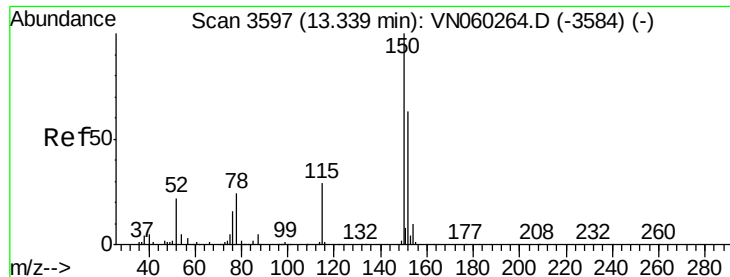
Ion Ratio Lower Upper

117 100

82 57.7 45.8 68.6

119 32.0 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060343.D

Acq: 4 Mar 2020 13:10

Instrument :

MSVOA_N

ClientSampleId :

PB127249ZHE#12

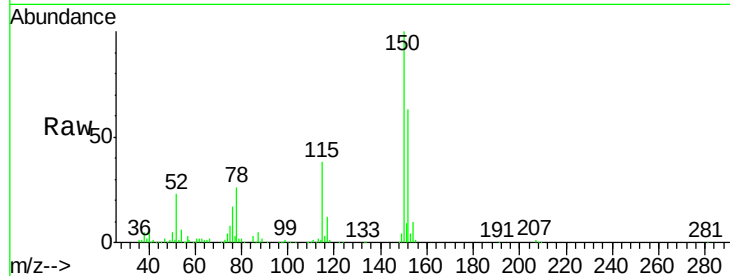
Tgt Ion:152 Resp: 137319

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

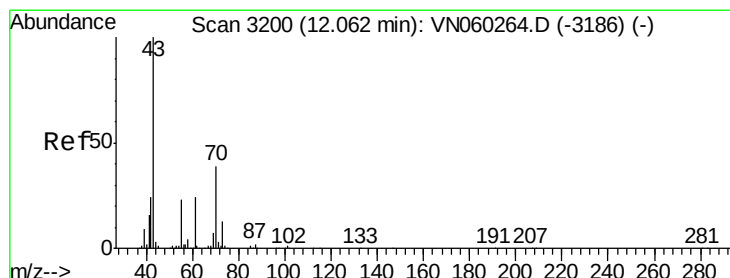
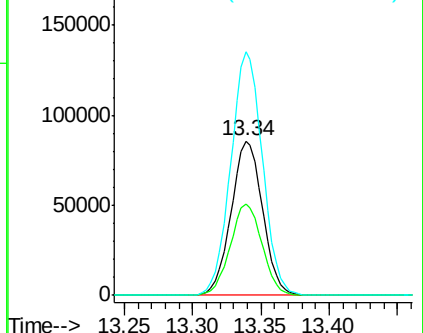
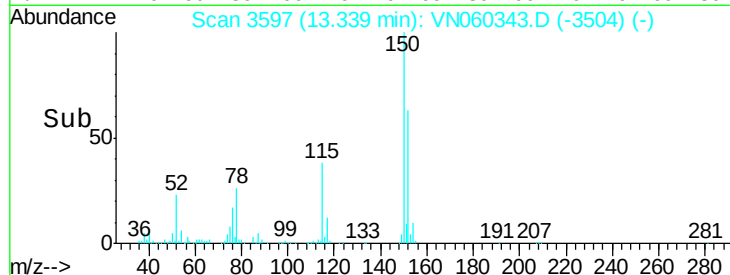
150 158.8 0.0 349.6



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: 0.694 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060343.D

Acq: 4 Mar 2020 13:10

Tgt Ion: 43 Resp: 3088

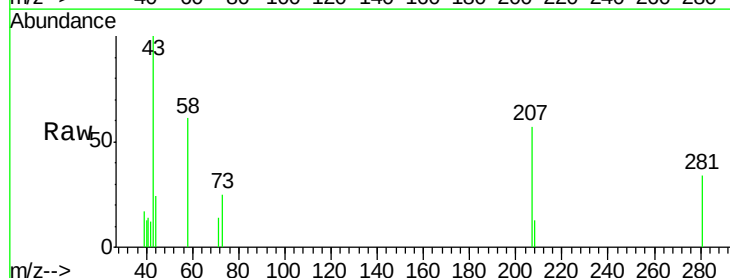
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

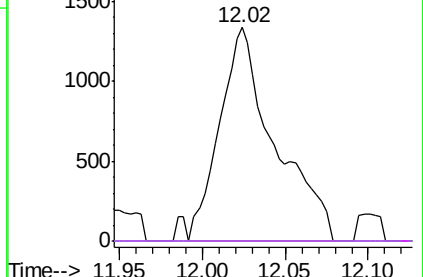
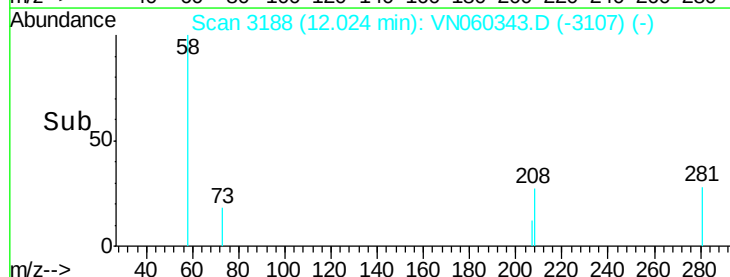


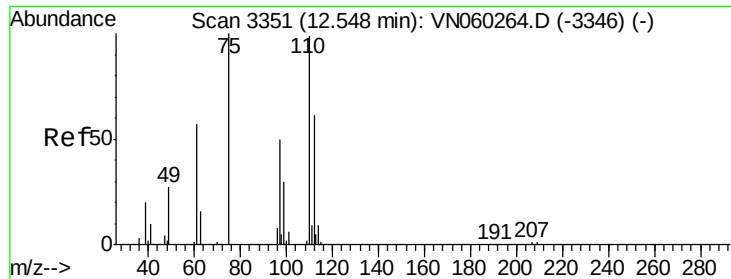
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.862 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060343.D

Acq: 4 Mar 2020 13:10

Instrument :

MSVOA_N

ClientSampleId :

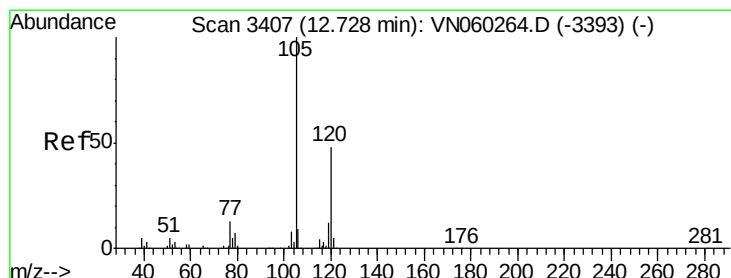
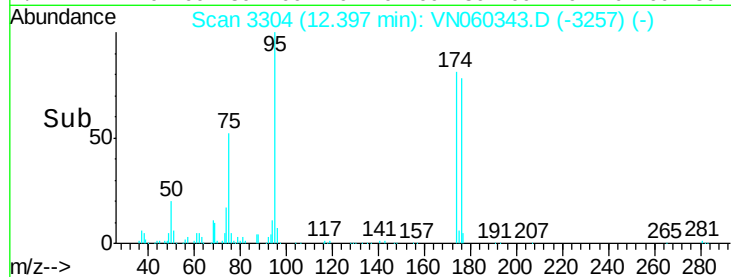
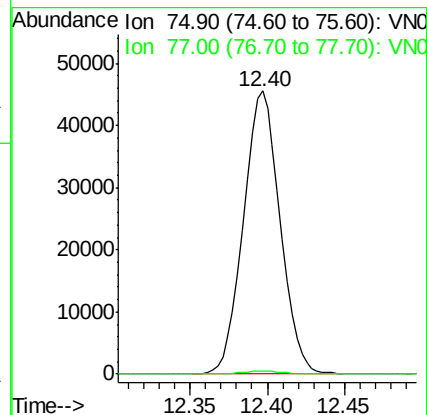
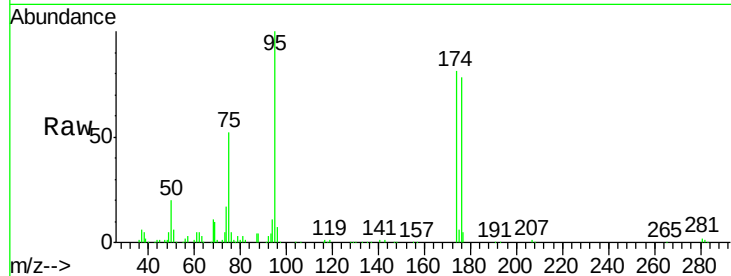
PB127249ZHE#12

Tgt Ion: 75 Resp: 74904

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.500 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060343.D

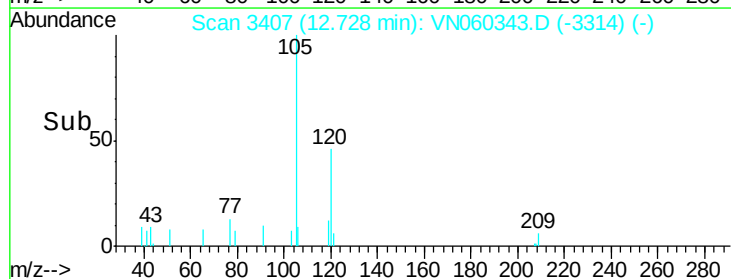
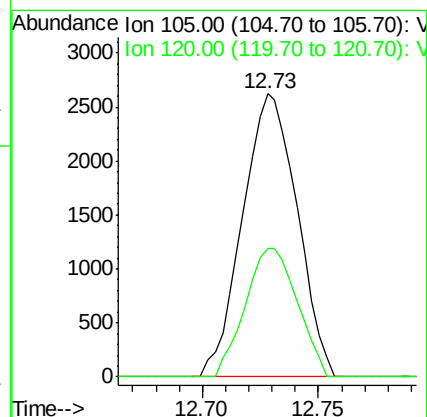
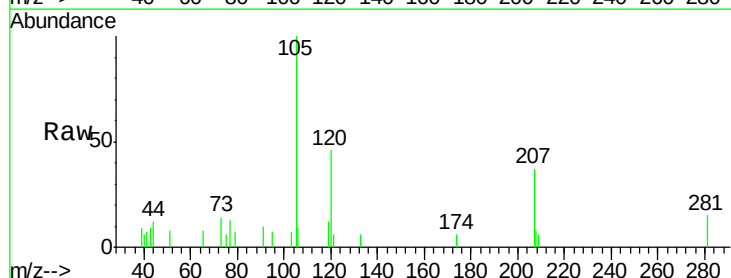
Acq: 4 Mar 2020 13:10

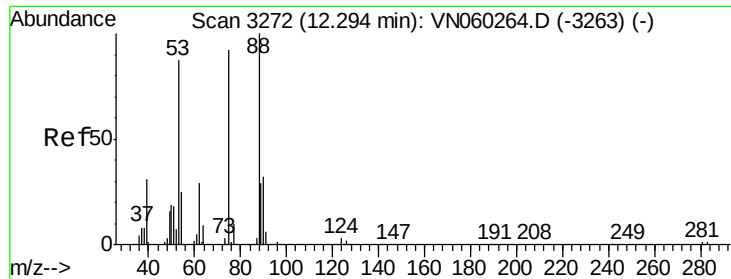
Tgt Ion: 105 Resp: 4285

Ion Ratio Lower Upper

105 100

120 43.4 24.1 72.4

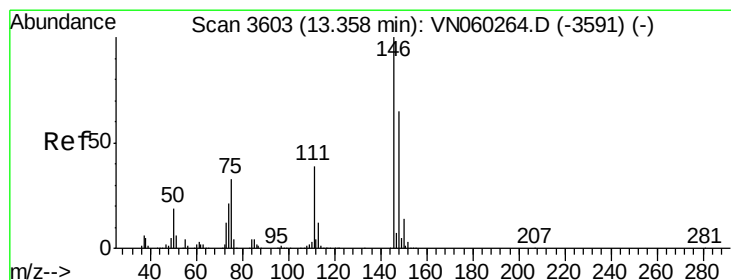
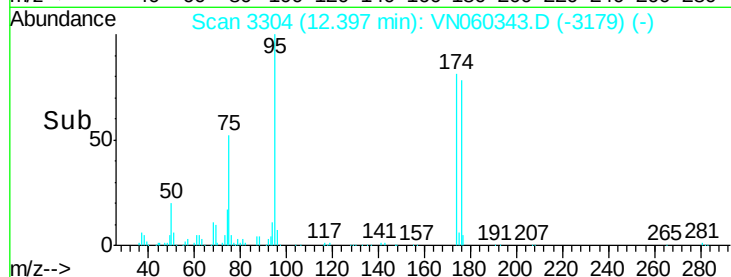
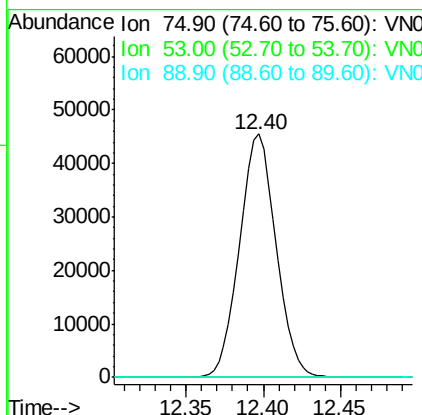
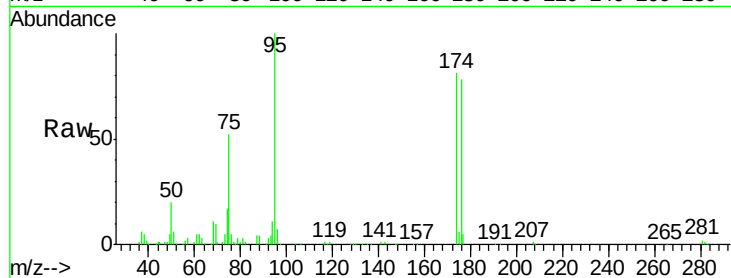




#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.631 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060343.D
 Acq: 4 Mar 2020 13:10

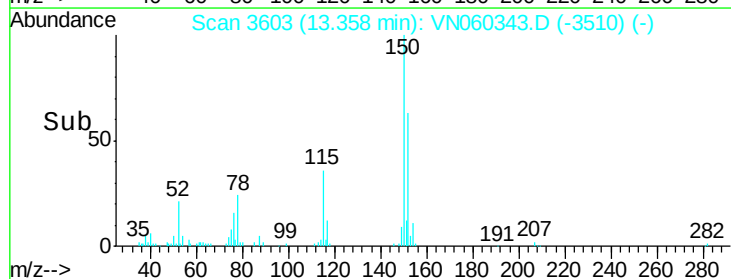
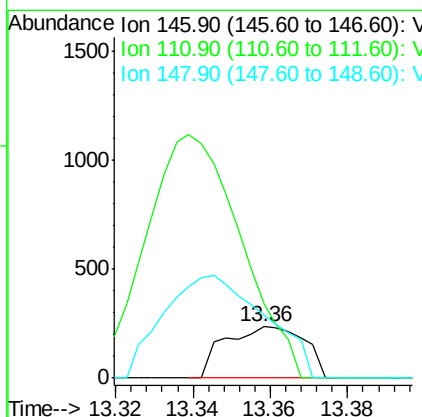
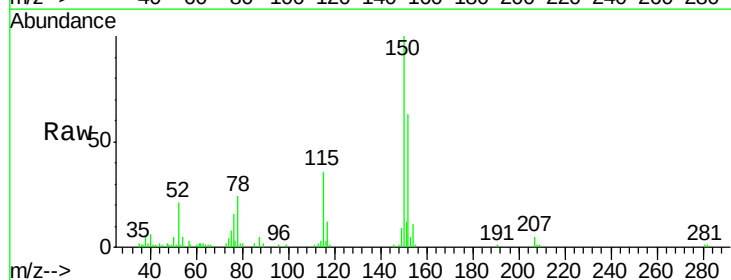
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#12

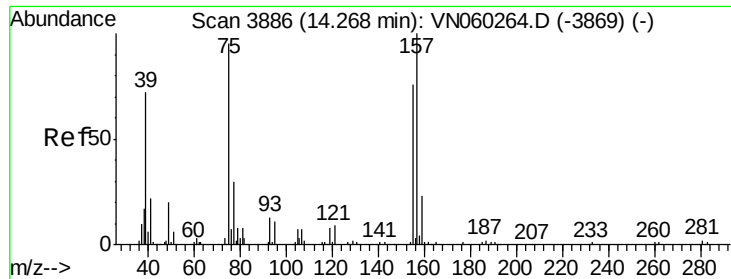
Tgt Ion: 75 Resp: 74904
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060343.D
 Acq: 4 Mar 2020 13:10

Tgt Ion: 146 Resp: 337
 Ion Ratio Lower Upper
 146 100
 111 560.5 19.8 59.4#
 148 255.2 32.3 96.9#

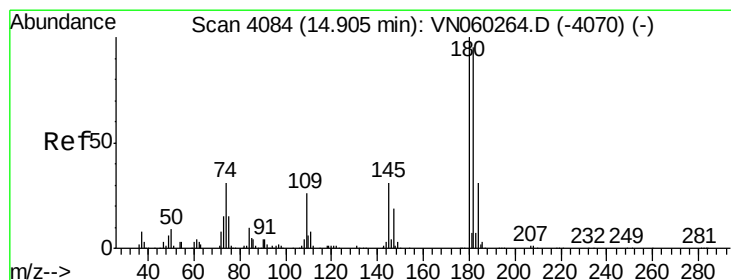
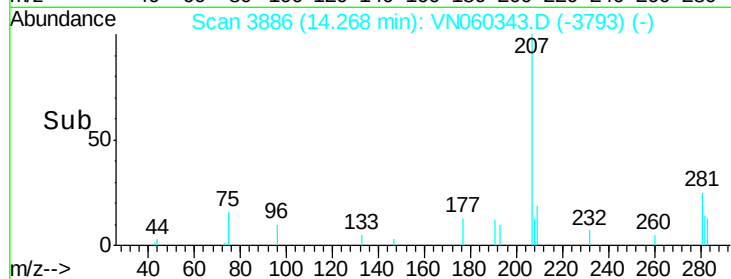
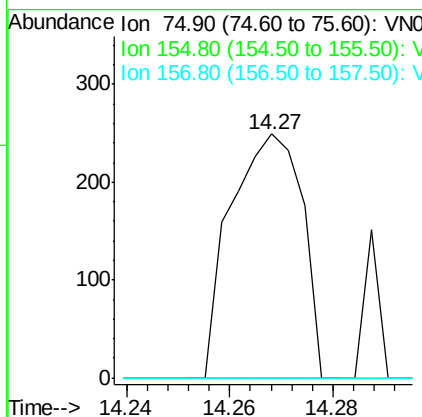
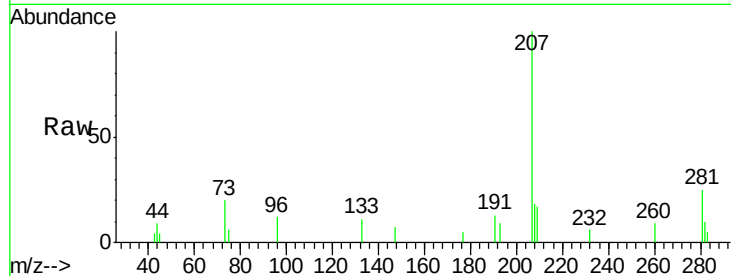




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.380 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060343.D
 Acq: 4 Mar 2020 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#12

Tgt Ion: 75 Resp: 238
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.4 121.2#
 157 0.0 52.5 157.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.270 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060343.D
 Acq: 4 Mar 2020 13:10

Tgt Ion: 180 Resp: 505
 Ion Ratio Lower Upper
 180 100
 182 64.2 47.8 143.3
 145 0.0 15.4 46.1#

