

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
 Data File : VN060486.D
 Acq On : 12 Mar 2020 17:49
 Operator : JC/MD
 Sample : PB127465ZHE#08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127465ZHE#08

Quant Time: Mar 13 02:06:37 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	195303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	318384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135254	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	124777	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	7.57	113	95090	64.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.68%	
50) Toluene-d8	10.08	98	397357	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.40	95	147649	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	

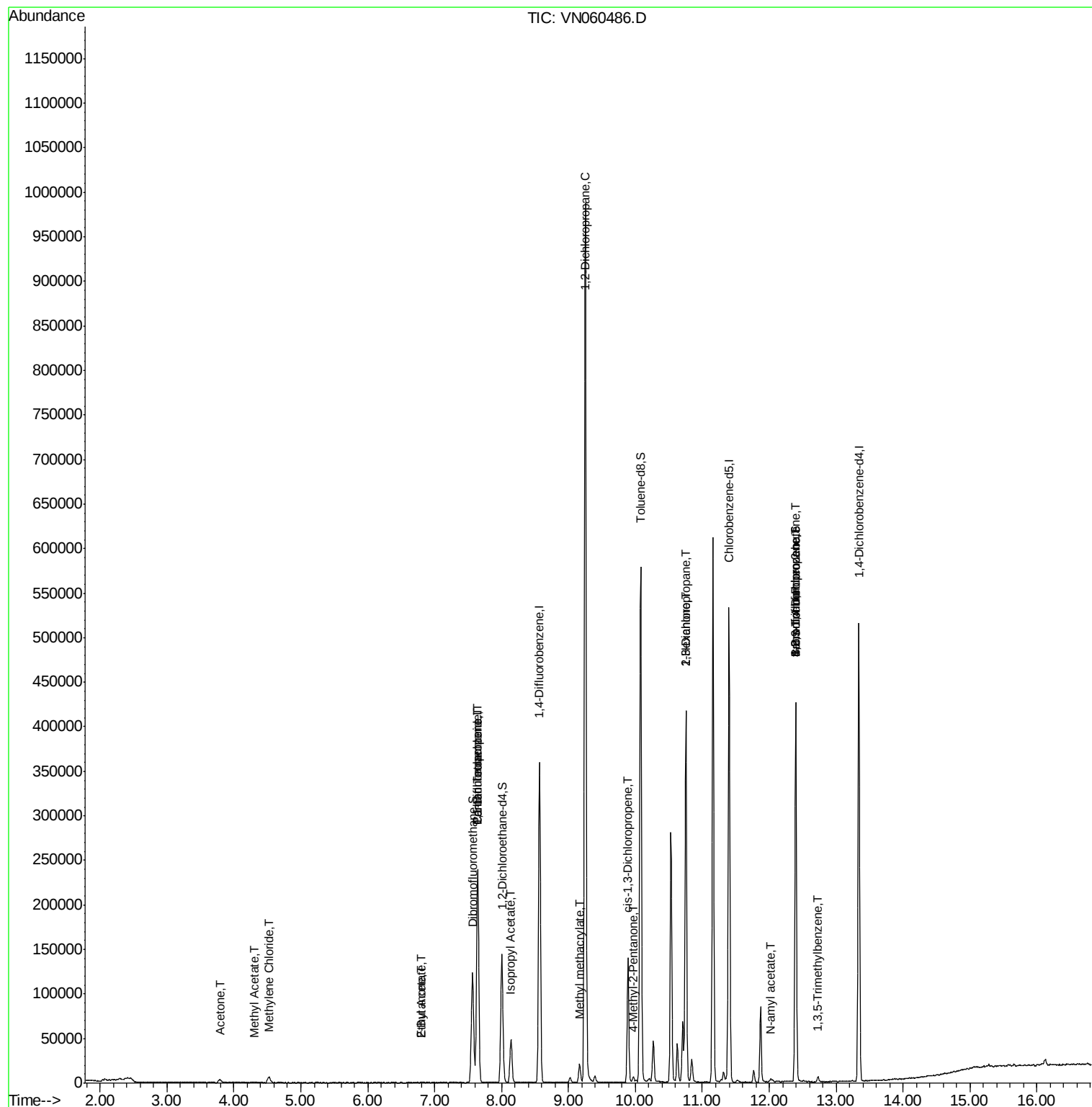
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6858	8.48	ug/l	93
18) Methyl Acetate	4.29	43	1779	0.66	ug/l #	56
20) Methylene Chloride	4.53	84	5066	2.28	ug/l	96
25) 2-Butanone	6.81	43	1123	0.86	ug/l #	49
31) Cyclohexane	7.64	56	3932	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15407	5.08	ug/l #	49
37) Ethyl Acetate	6.81	43	1123	0.39	ug/l #	68
38) Carbon Tetrachloride	7.64	117	18810	6.37	ug/l #	16
43) Isopropyl Acetate	8.14	43	58612	11.65	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1177	0.51	ug/l #	44
48) Methyl methacrylate	9.16	41	3162	1.38	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4670	1.64	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	24591	6.36	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	4181	1.15	ug/l #	42
59) 2-Hexanone	10.75	43	61680	29.46	ug/l #	52
71) Bromoform	12.40	173	696	0.43	ug/l #	1
74) N-amyl acetate	12.02	43	3021	0.69	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	74284	25.03	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3442	0.41	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	74284	69.10	ug/l #	8

(#) = 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# 1825

Delta R.T. -0.00 min

Lab File: VN060486.D

Acq: 12 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

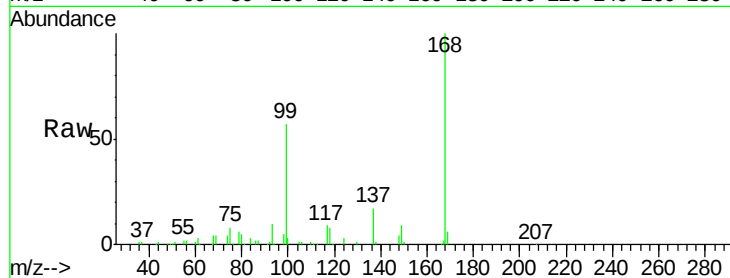
PB127465ZHE#08

Tgt Ion:168 Resp: 195303

Ion Ratio Lower Upper

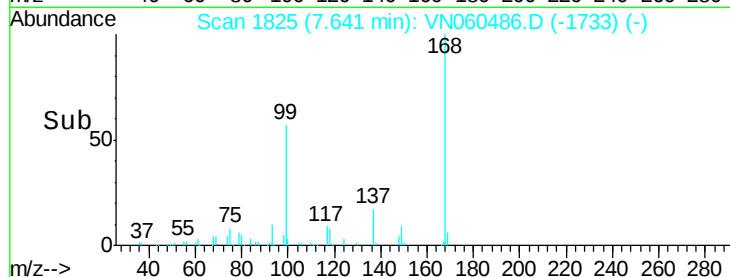
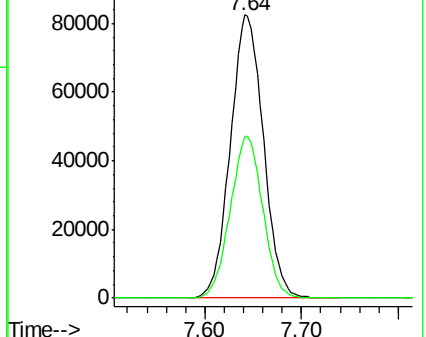
168 100

99 57.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN060486.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060486.D (-1733) (-)



#16

Acetone

Concen: 8.48 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060486.D

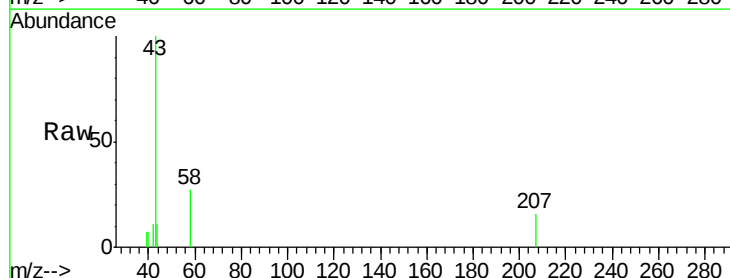
Acq: 12 Mar 2020 17:49

Tgt Ion: 43 Resp: 6858

Ion Ratio Lower Upper

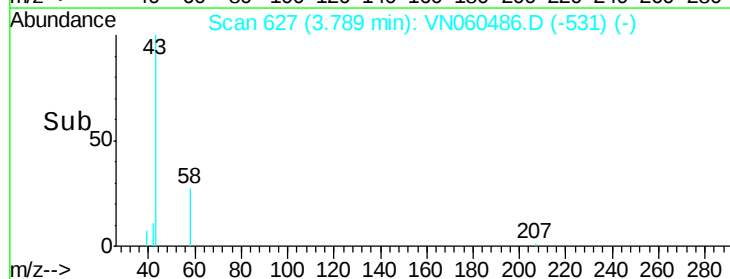
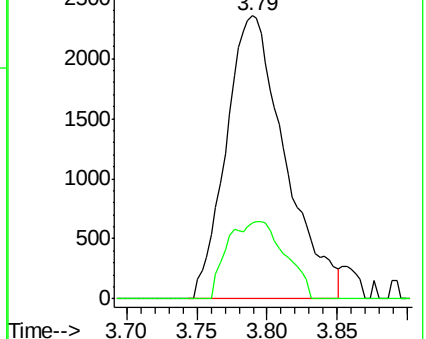
43 100

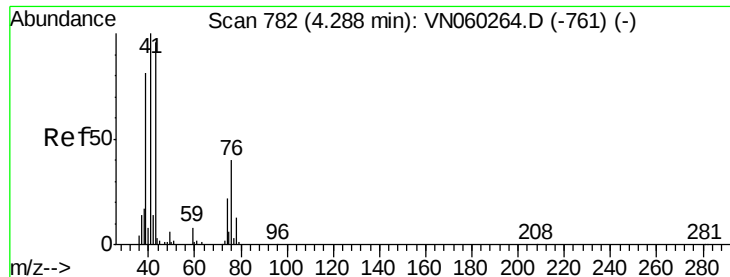
58 26.9 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060486.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060486.D (-531) (-)

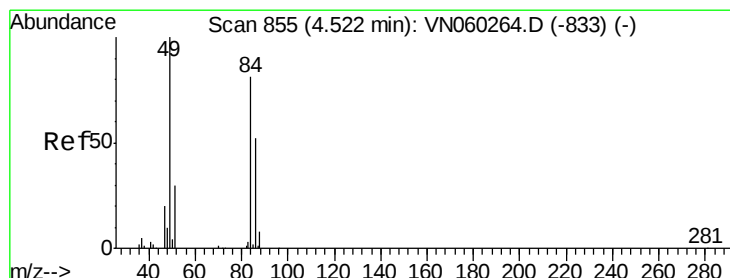
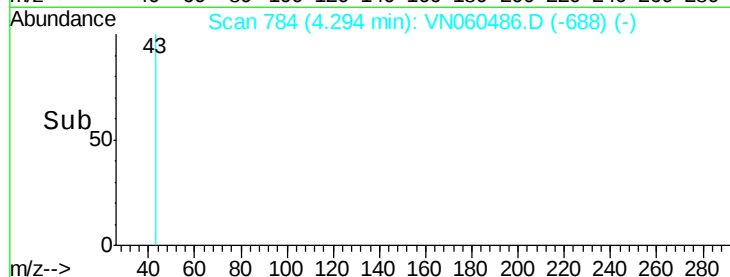
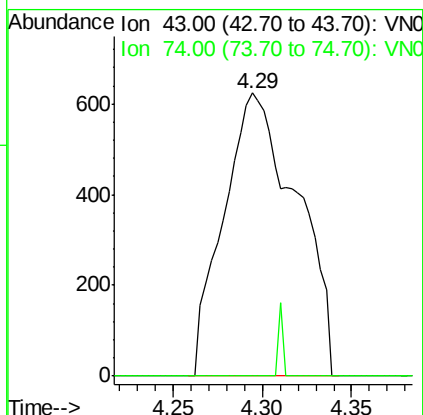
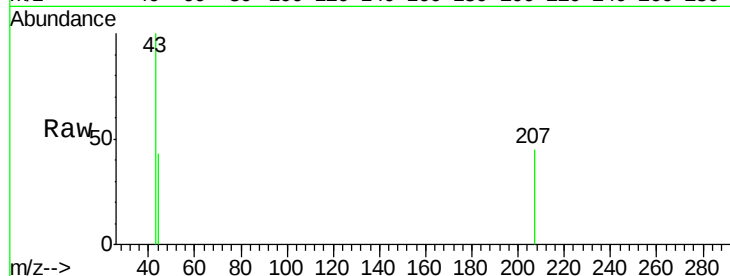




#18
Methyl Acetate
Concen: 0.66 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060486.D
Acq: 12 Mar 2020 17:49

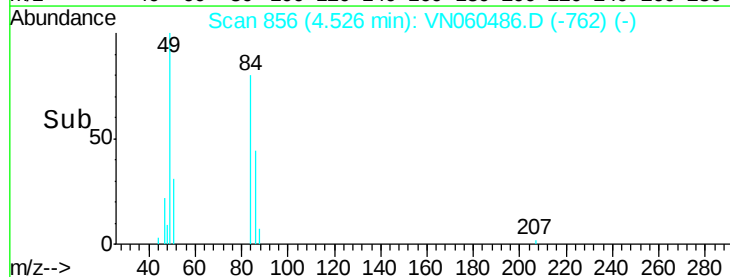
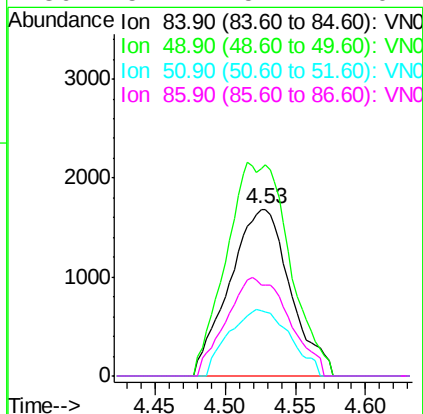
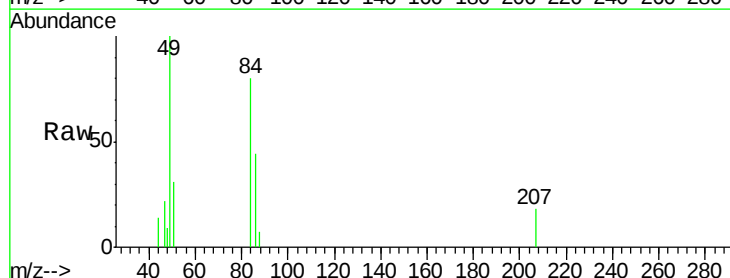
Instrument :
MSVOA_N
ClientSampleId :
PB127465ZHE#08

Tgt Ion: 43 Resp: 1779
Ion Ratio Lower Upper
43 100
74 1.7 18.8 28.2#



#20
Methylene Chloride
Concen: 2.28 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060486.D
Acq: 12 Mar 2020 17:49

Tgt Ion: 84 Resp: 5066
Ion Ratio Lower Upper
84 100
49 124.8 99.3 148.9
51 38.9 30.1 45.1
86 54.7 51.1 76.7

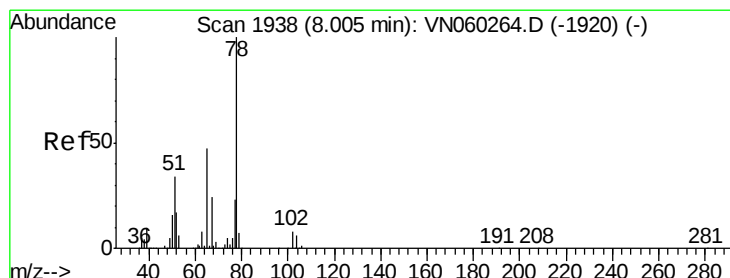
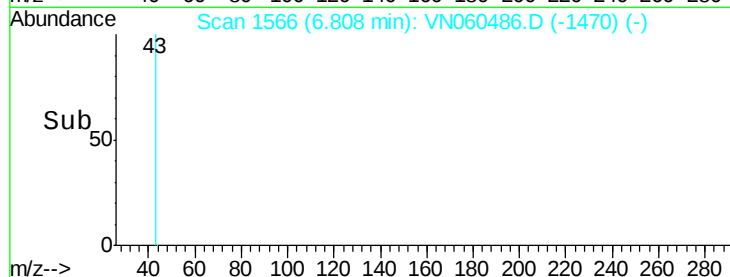
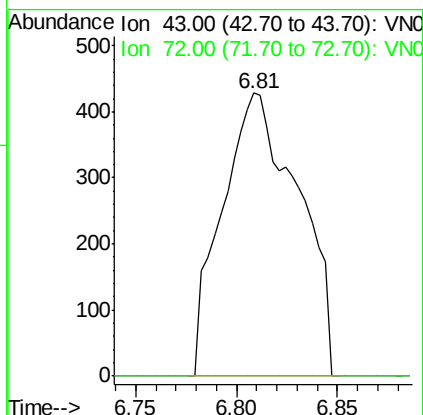
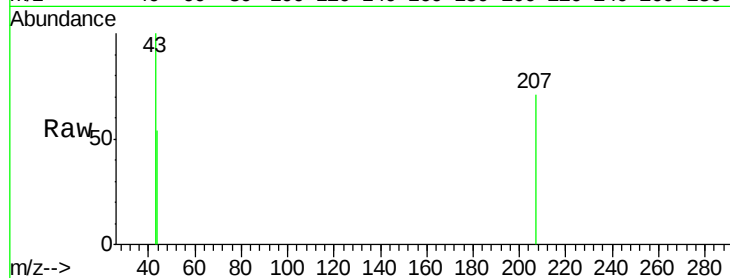




#25
2-Butanone
Concen: 0.86 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060486.D
Acq: 12 Mar 2020 17:49

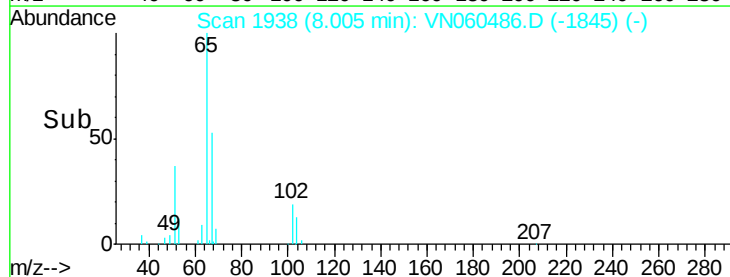
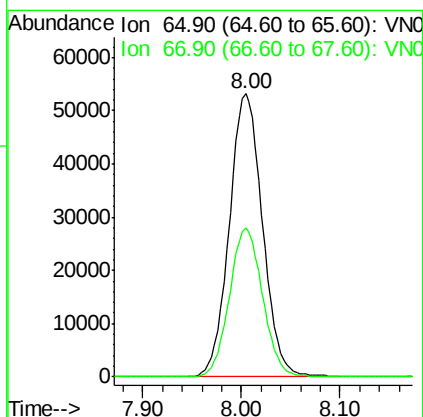
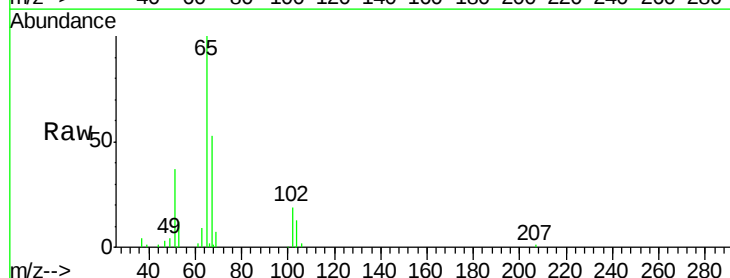
Instrument :
MSVOA_N
ClientSampleId :
PB127465ZHE#08

Tgt Ion: 43 Resp: 1123
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#



#33
1,2-Dichloroethane-d4
Concen: 49.80 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN060486.D
Acq: 12 Mar 2020 17:49

Tgt Ion: 65 Resp: 124777
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060486.D

Acq: 12 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#08

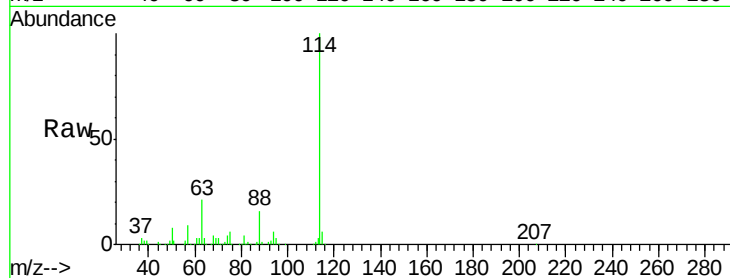
Tgt Ion:114 Resp: 318384

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

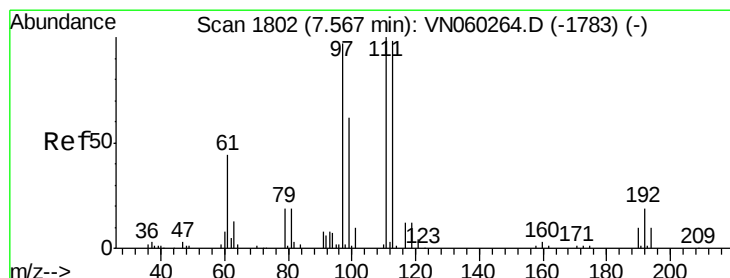
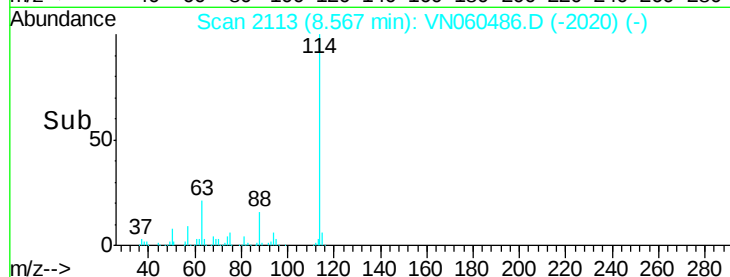
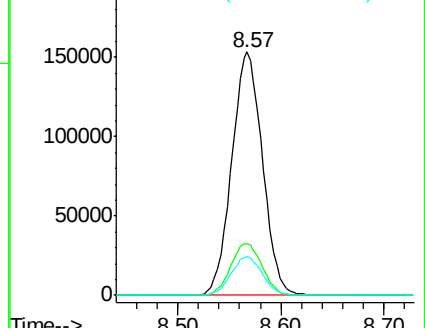
88 15.7 0.0 31.6



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: 64.34 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN060486.D

Acq: 12 Mar 2020 17:49

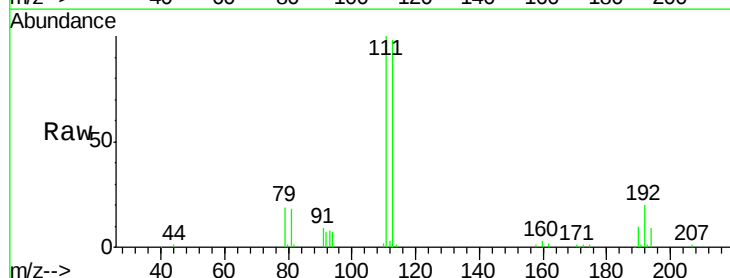
Tgt Ion:113 Resp: 95090

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

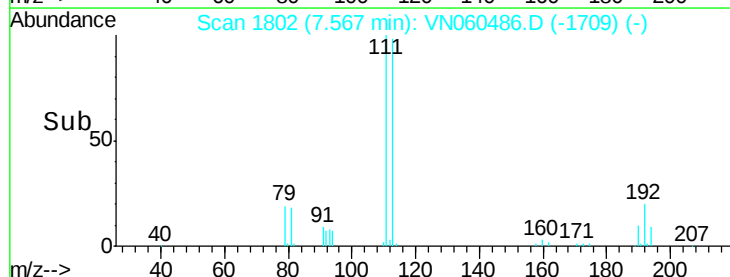
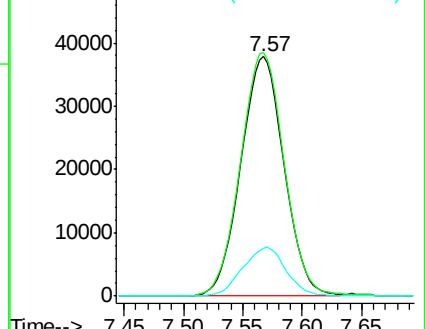
192 20.4 16.2 24.2



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: 5.08 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060486.D

Acq: 12 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#08

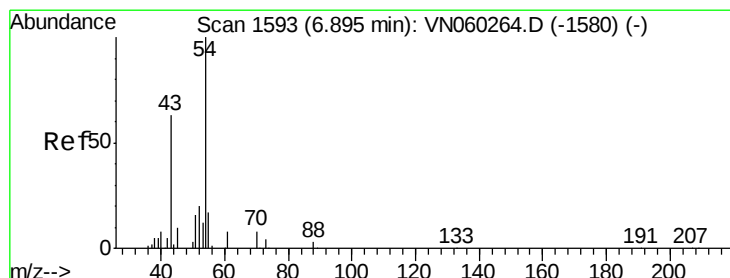
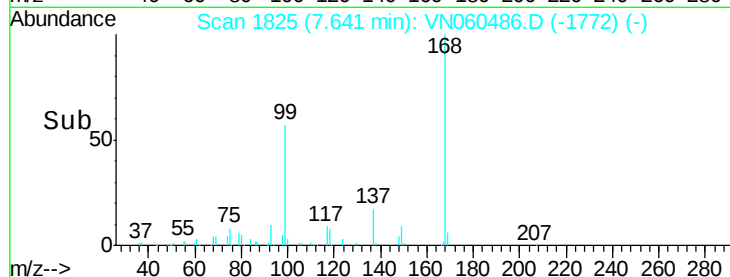
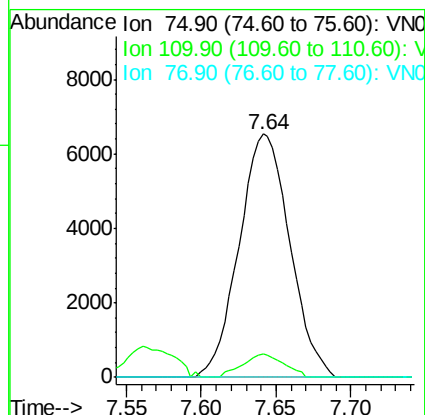
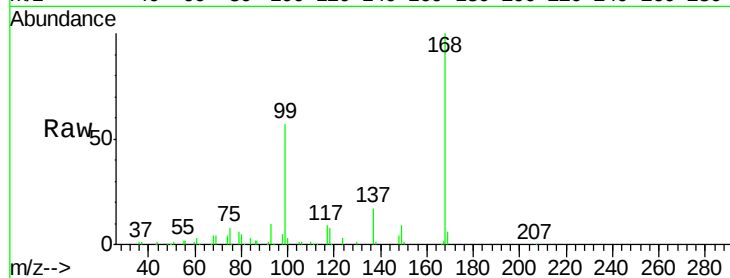
Tgt Ion: 75 Resp: 15407

Ion Ratio Lower Upper

75 100

110 7.8 17.3 52.0#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 0.39 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.09 min

Lab File: VN060486.D

Acq: 12 Mar 2020 17:49

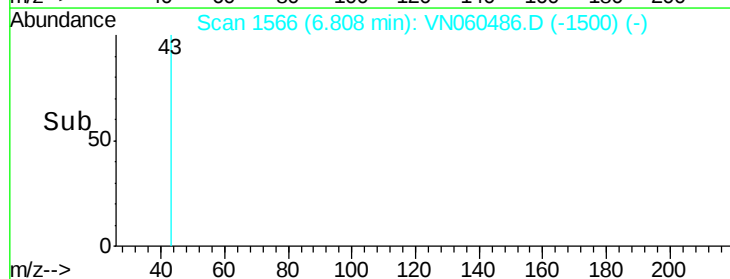
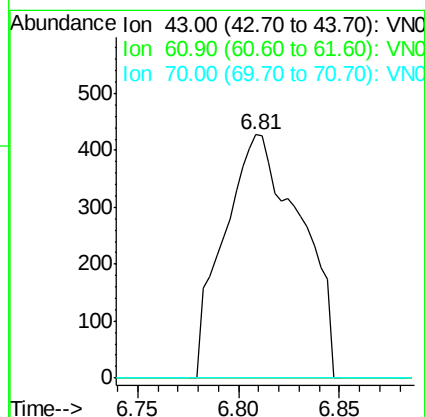
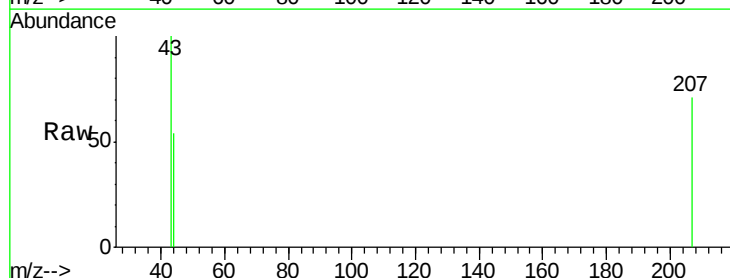
Tgt Ion: 43 Resp: 1123

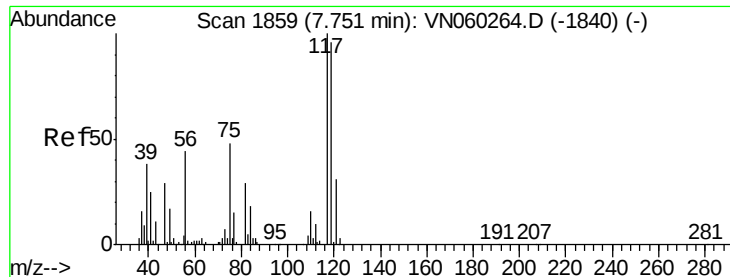
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.37 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060486.D

Acq: 12 Mar 2020 17:49

Instrument :

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ClientSampleId :

PB127465ZHE#08

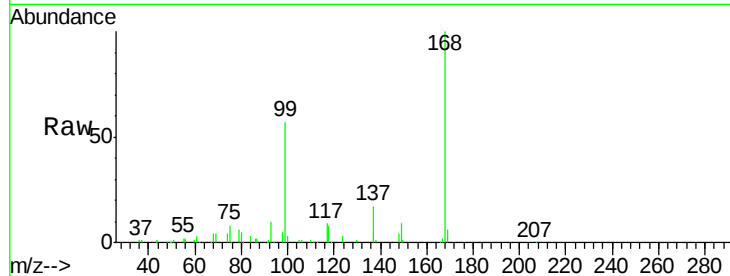
Tgt Ion:117 Resp: 18810

Ion Ratio Lower Upper

117 100

119 5.1 76.7 115.1#

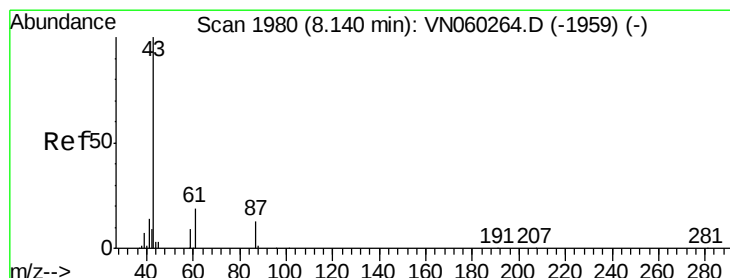
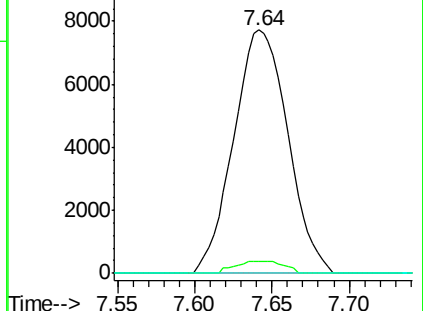
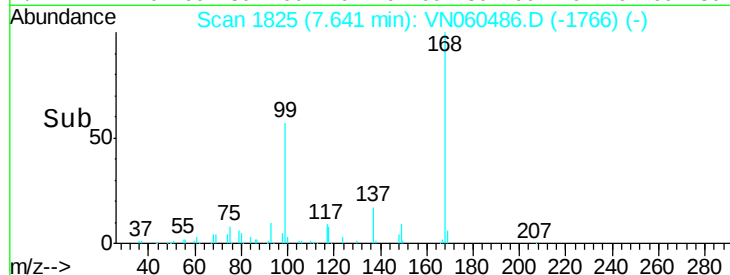
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 11.65 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060486.D

Acq: 12 Mar 2020 17:49

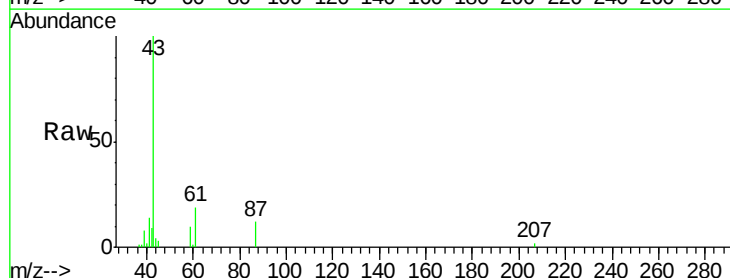
Tgt Ion: 43 Resp: 58612

Ion Ratio Lower Upper

43 100

61 19.3 20.9 31.3#

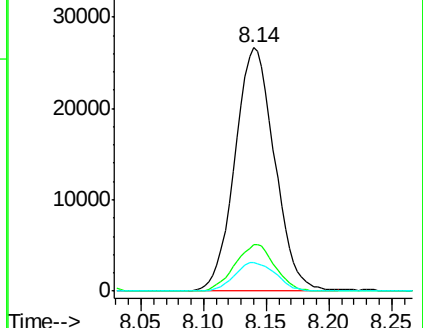
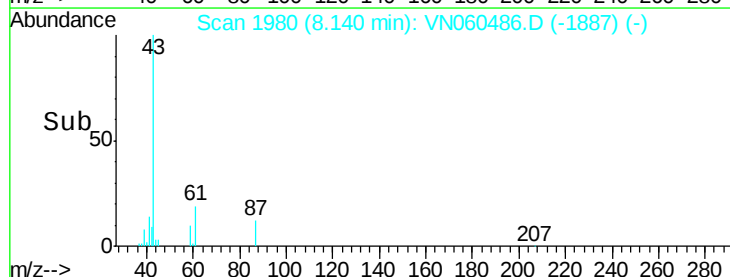
87 12.1 10.6 16.0

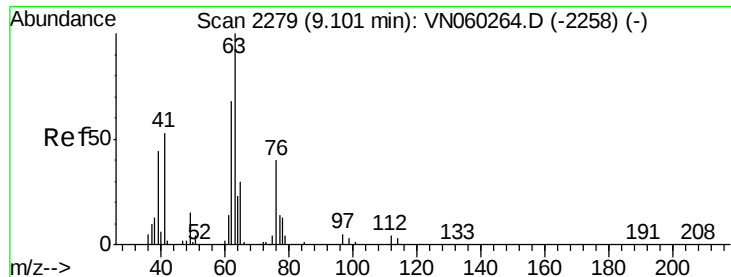


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.51 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060486.D

Acq: 12 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

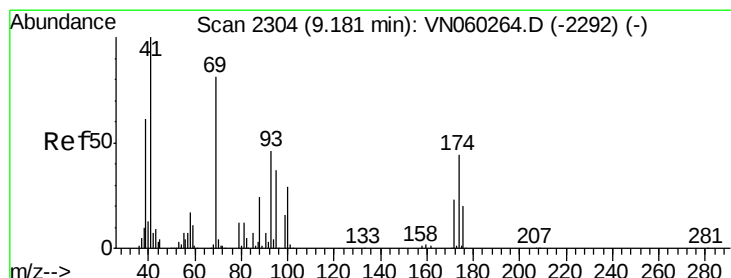
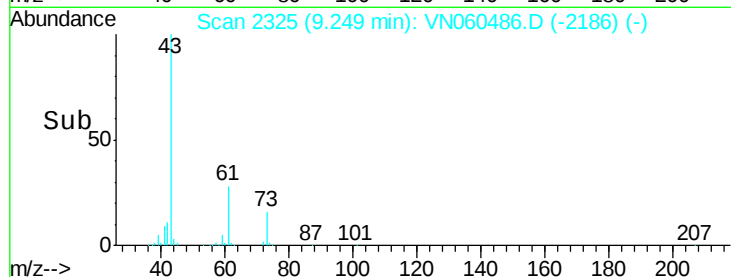
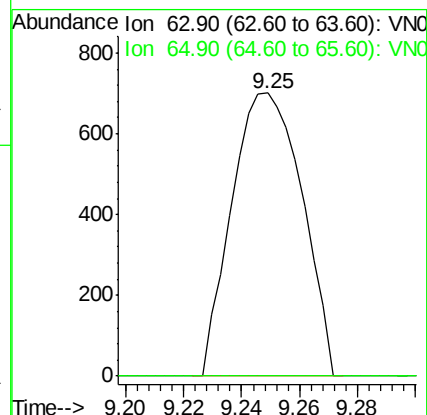
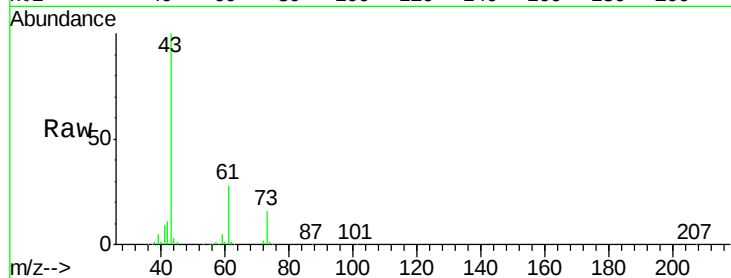
PB127465ZHE#08

Tgt Ion: 63 Resp: 1177

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.38 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060486.D

Acq: 12 Mar 2020 17:49

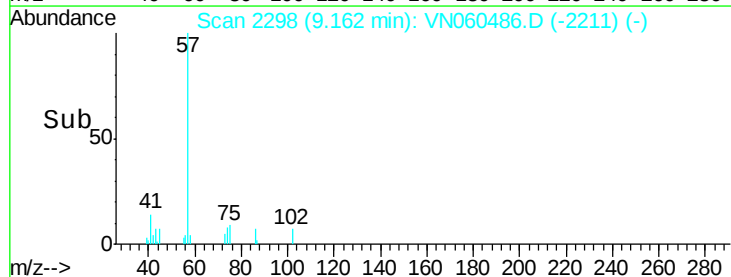
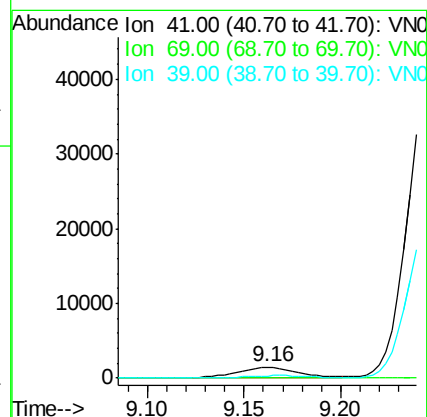
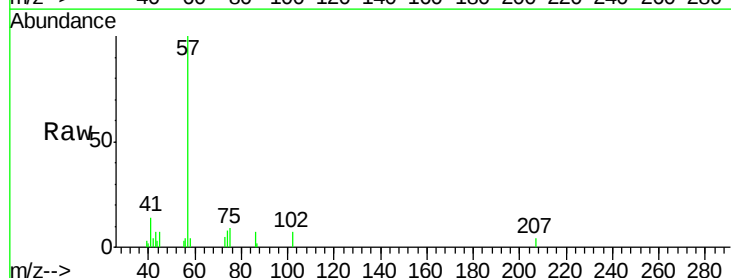
Tgt Ion: 41 Resp: 3162

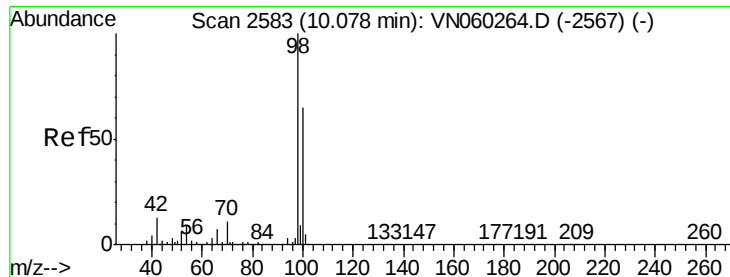
Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

39 0.0 50.1 75.1#





#50

Toluene-d8

Concen: 53.13 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060486.D

Acq: 12 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

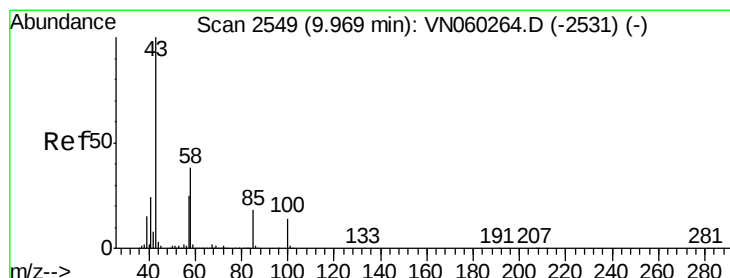
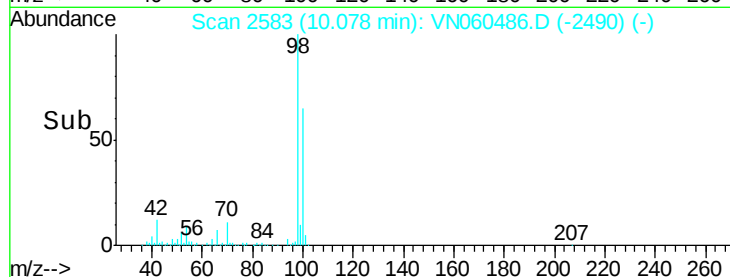
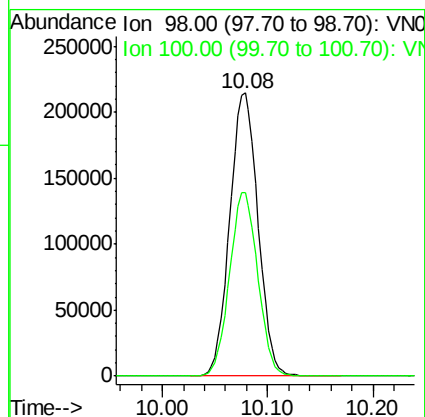
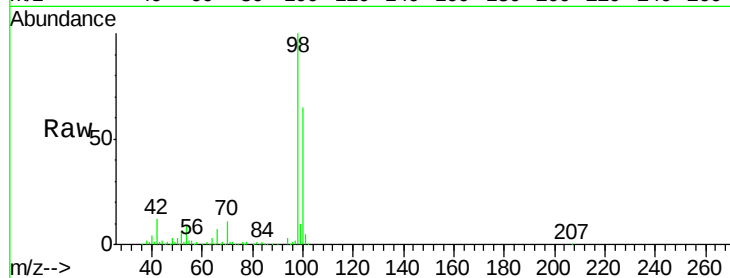
PB127465ZHE#08

Tgt Ion: 98 Resp: 397357

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.64 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060486.D

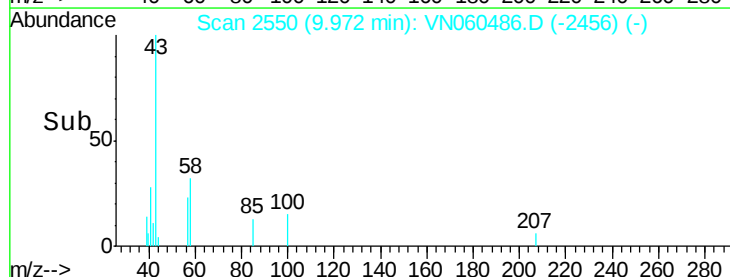
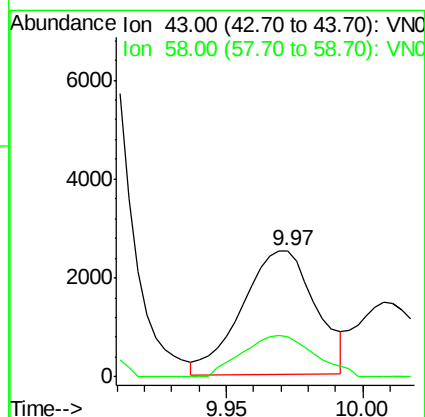
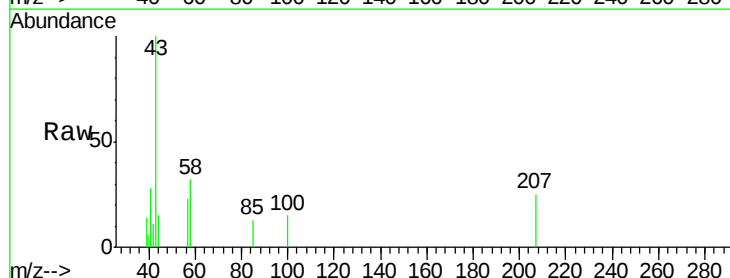
Acq: 12 Mar 2020 17:49

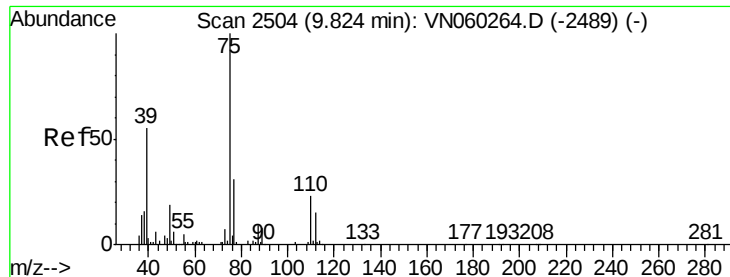
Tgt Ion: 43 Resp: 4670

Ion Ratio Lower Upper

43 100

58 33.0 30.9 46.3





#54

cis-1,3-Dichloropropene

Concen: 6.36 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060486.D

Acq: 12 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#08

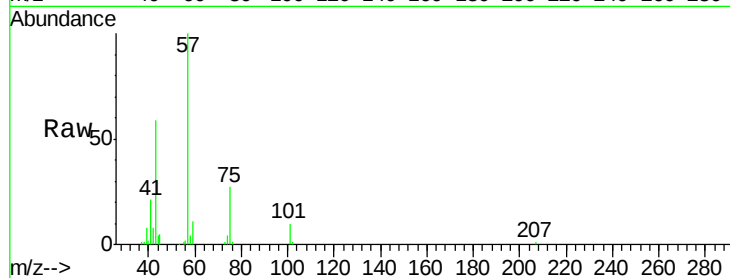
Tgt Ion: 75 Resp: 24591

Ion Ratio Lower Upper

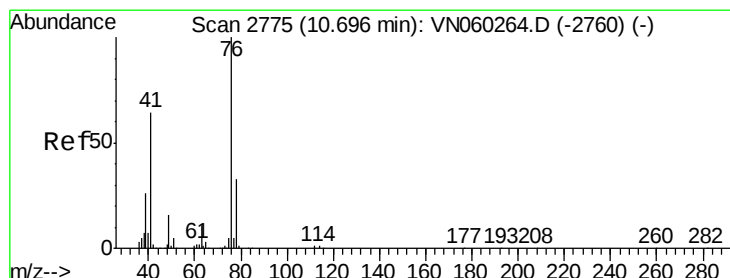
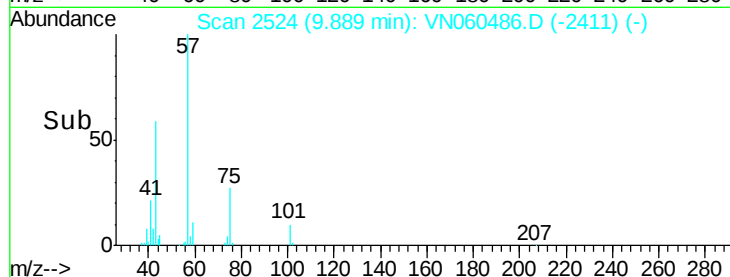
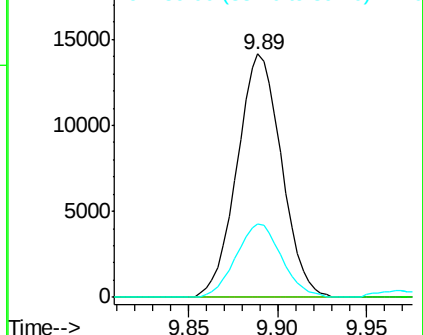
75 100

77 0.0 24.8 37.2#

39 30.1 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#57

1,3-Dichloropropane

Concen: 1.15 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN060486.D

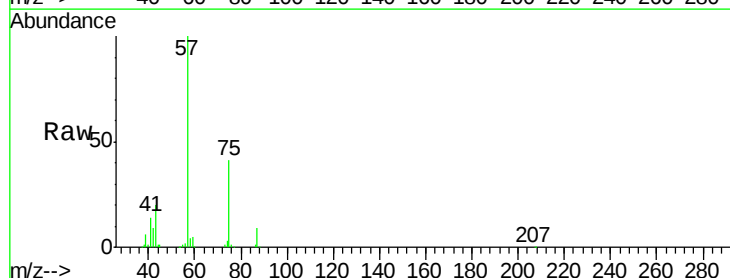
Acq: 12 Mar 2020 17:49

Tgt Ion: 76 Resp: 4181

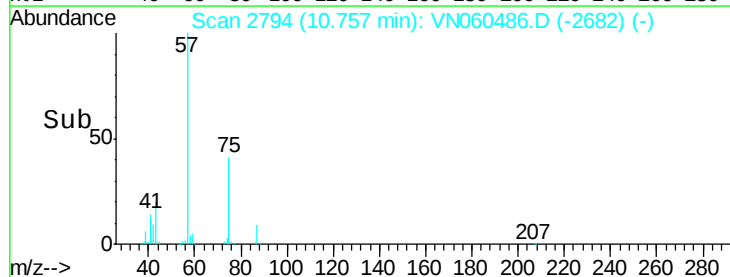
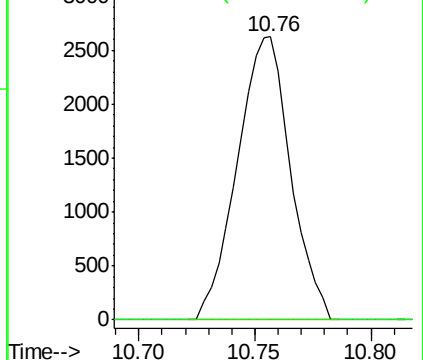
Ion Ratio Lower Upper

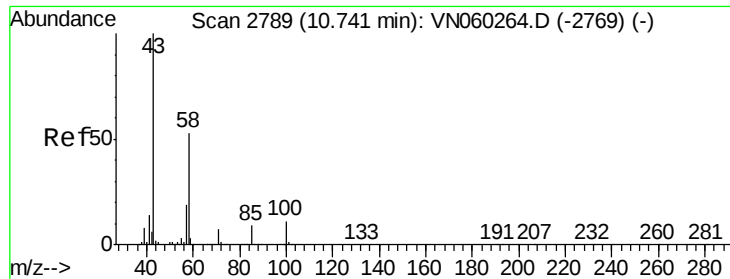
76 100

78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

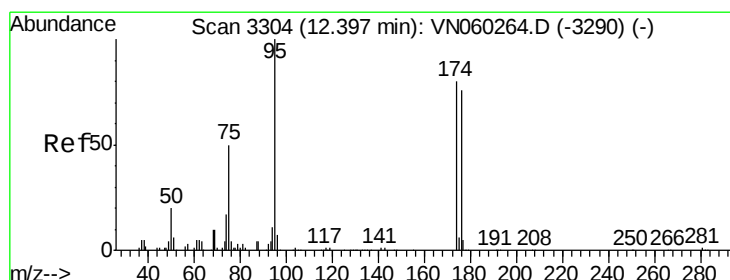
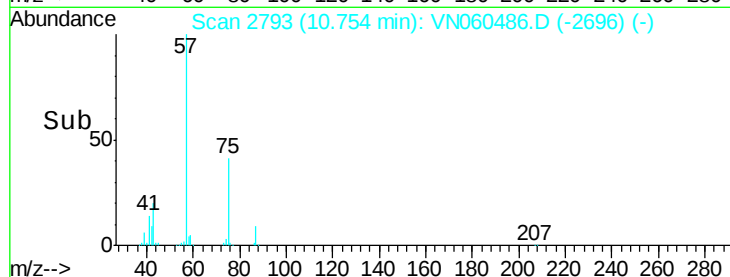
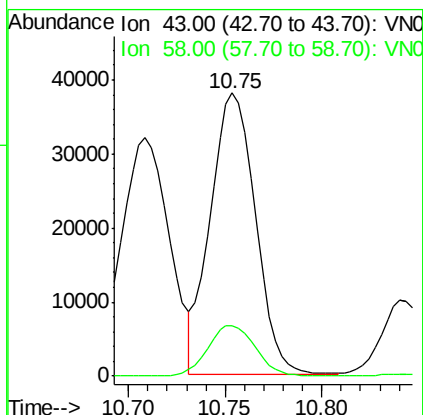
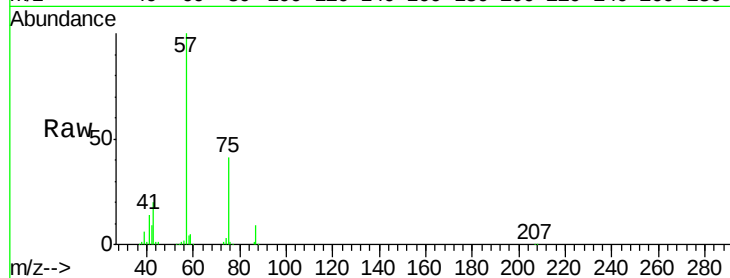




#59
2-Hexanone
Concen: 29.46 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060486.D
Acq: 12 Mar 2020 17:49

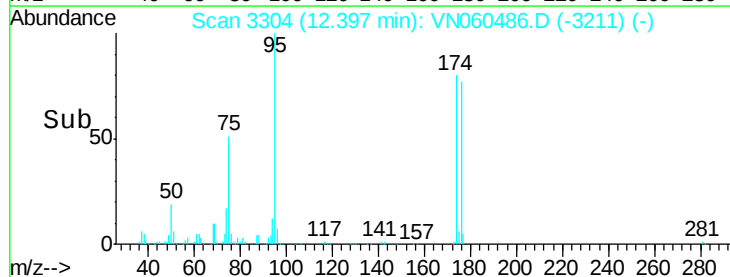
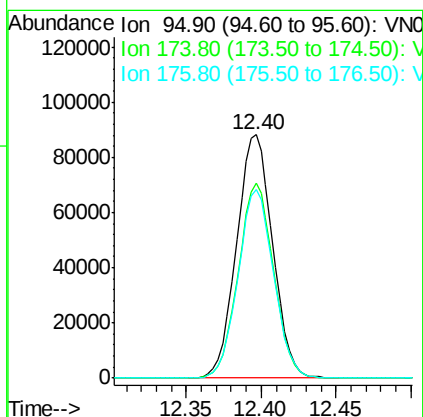
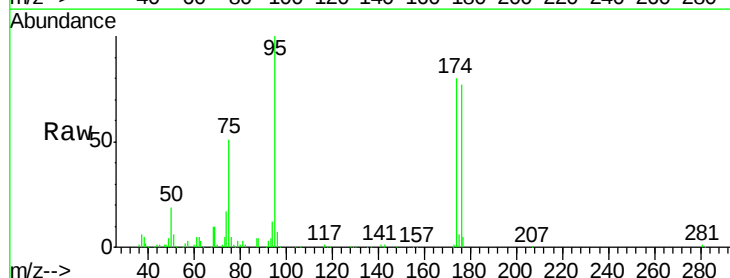
Instrument :
MSVOA_N
ClientSampleId :
PB127465ZHE#08

Tgt Ion: 43 Resp: 61680
Ion Ratio Lower Upper
43 100
58 18.9 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 52.08 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060486.D
Acq: 12 Mar 2020 17:49

Tgt Ion: 95 Resp: 147649
Ion Ratio Lower Upper
95 100
174 78.6 0.0 159.2
176 76.5 0.0 153.8

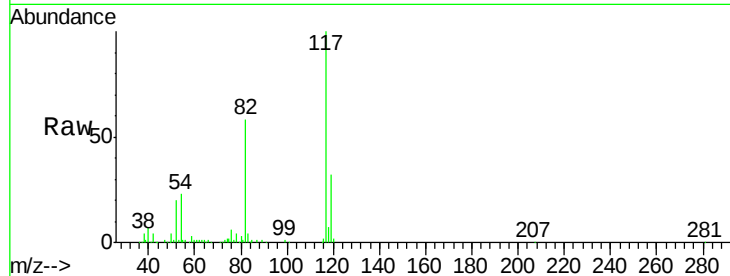




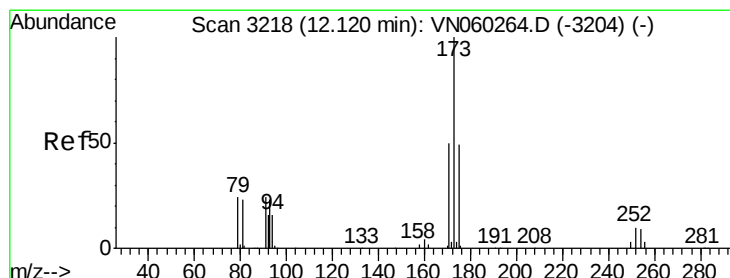
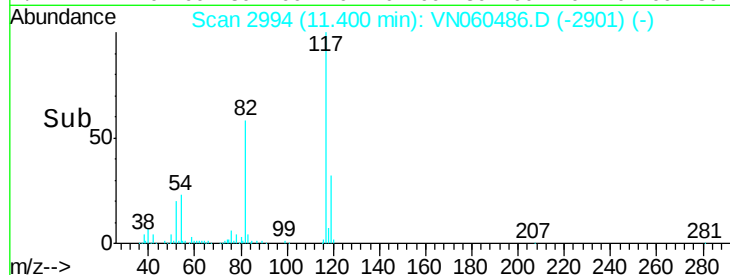
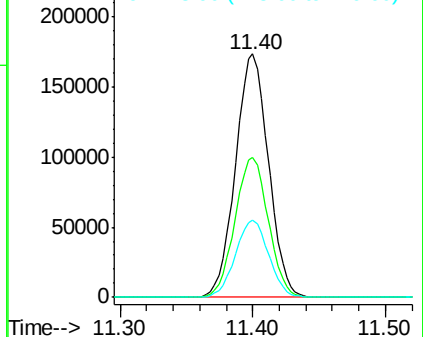
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060486.D
Acq: 12 Mar 2020 17:49

Instrument :
MSVOA_N
ClientSampleId :
PB127465ZHE#08

Tgt Ion:117 Resp: 300174
Ion Ratio Lower Upper
117 100
82 57.5 45.8 68.6
119 31.6 25.8 38.8

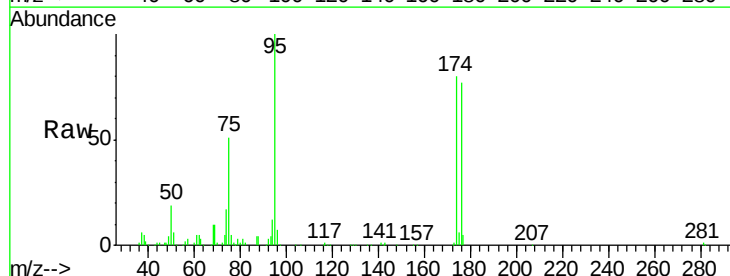


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

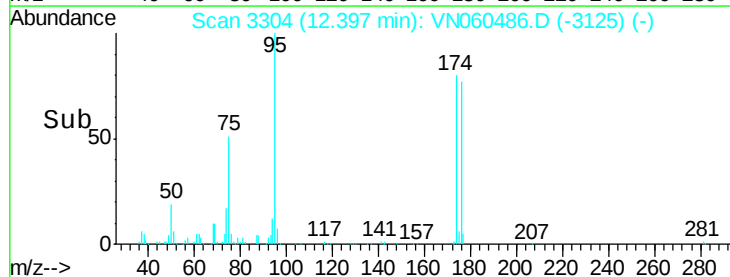
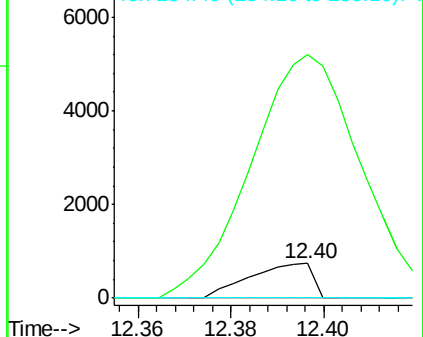


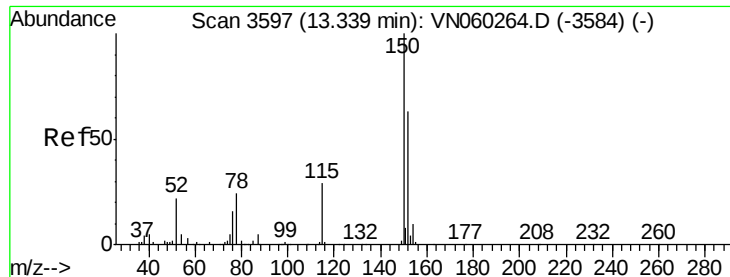
#71
Bromoform
Concen: 0.43 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060486.D
Acq: 12 Mar 2020 17:49

Tgt Ion:173 Resp: 696
Ion Ratio Lower Upper
173 100
175 1051.0 24.1 72.2#
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: VN060486.D

Acq: 12 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#08

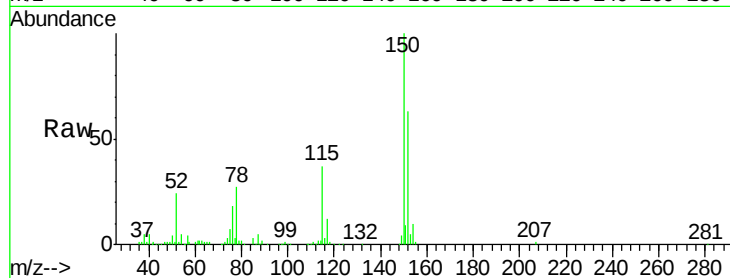
Tgt Ion:152 Resp: 135254

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

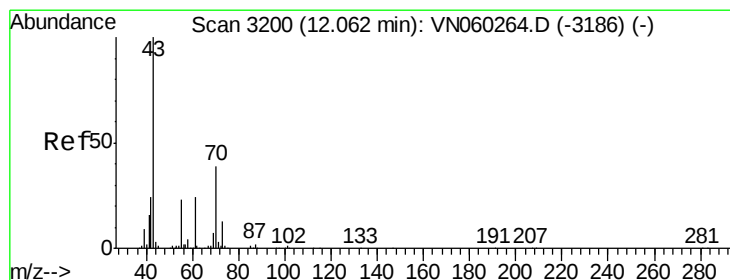
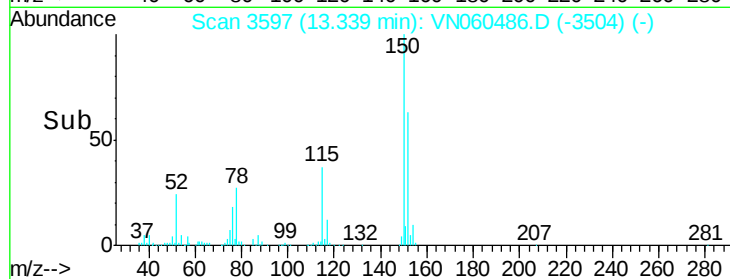
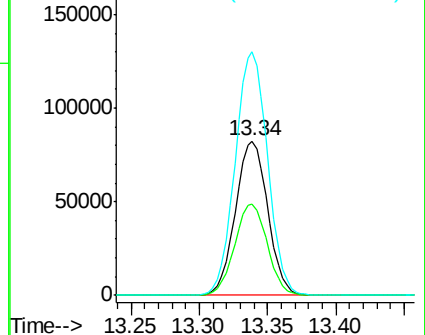
150 158.8 0.0 349.6



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: 0.69 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060486.D

Acq: 12 Mar 2020 17:49

Tgt Ion: 43 Resp: 3021

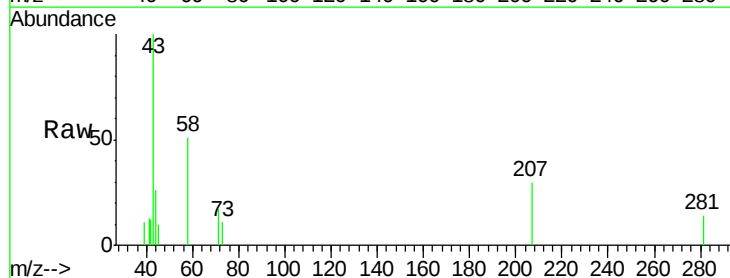
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

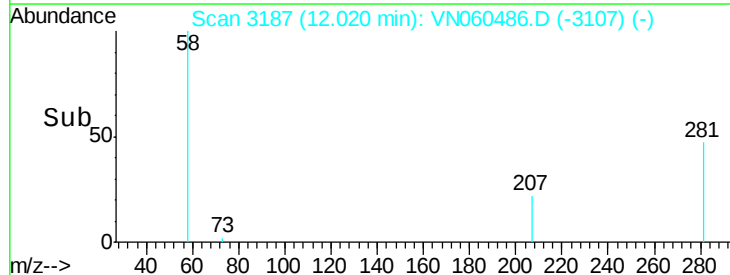
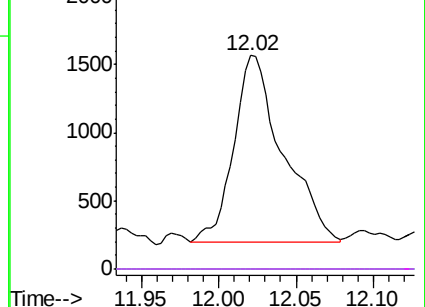


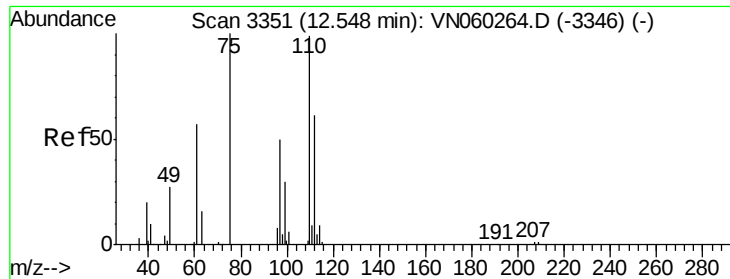
Abundance Ion 43.00 (42.70 to 43.70): V

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: 25.03 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060486.D

Acq: 12 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

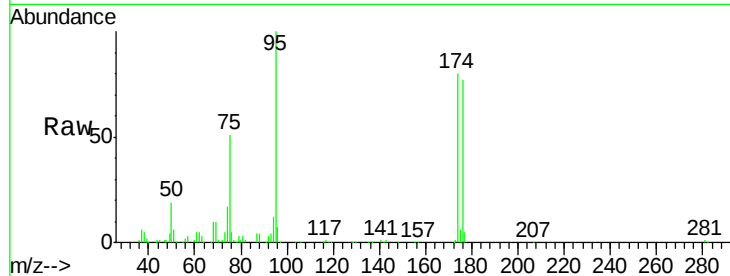
PB127465ZHE#08

Tgt Ion: 75 Resp: 74284

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060486.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060486.D (-3304) (-)

12.40

50000

40000

30000

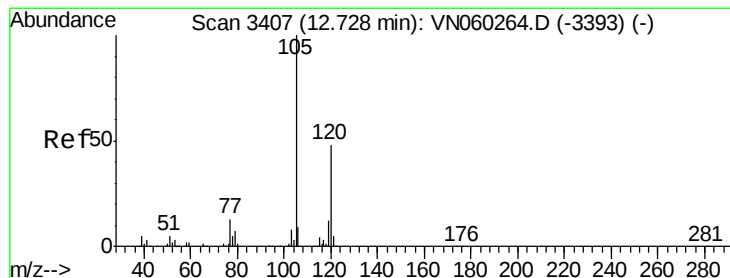
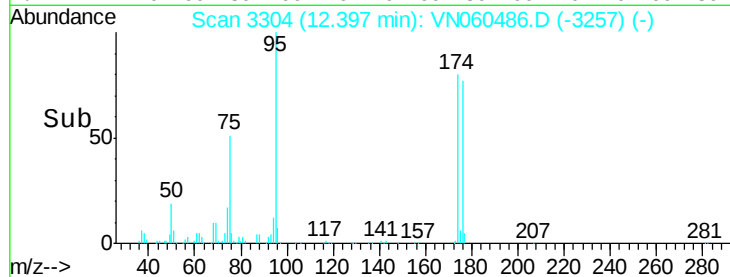
20000

10000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.41 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060486.D

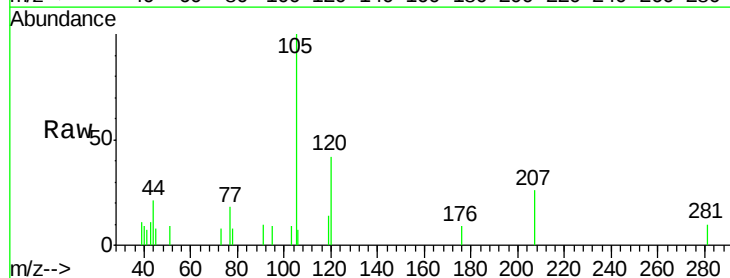
Acq: 12 Mar 2020 17:49

Tgt Ion: 105 Resp: 3442

Ion Ratio Lower Upper

105 100

120 45.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060486.D (-3407) (-)

Ion 120.00 (119.70 to 120.70): VN060486.D (-3407) (-)

12.73

2500

2000

1500

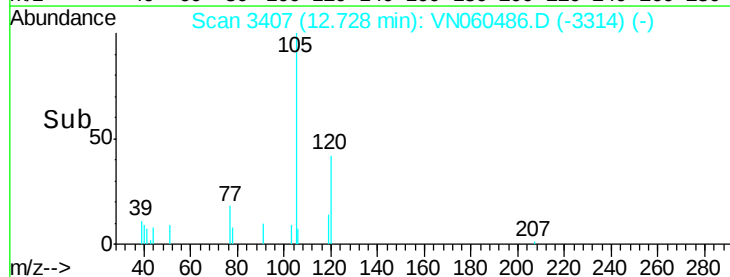
1000

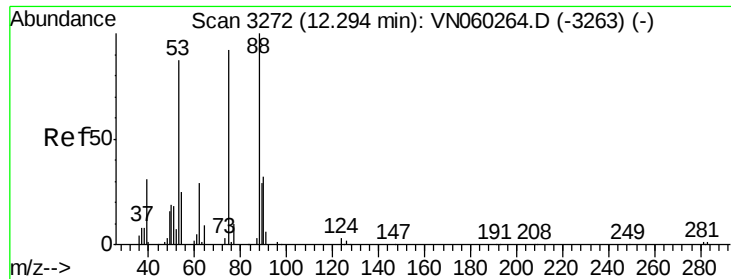
500

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 69.10 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060486.D

Acq: 12 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#08

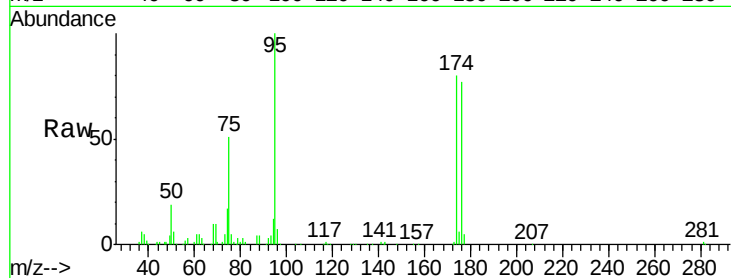
Tgt Ion: 75 Resp: 74284

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#



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

