

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
 Data File : VN060484.D
 Acq On : 12 Mar 2020 17:04
 Operator : JC/MD
 Sample : PB127465ZHE#06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127465ZHE#06

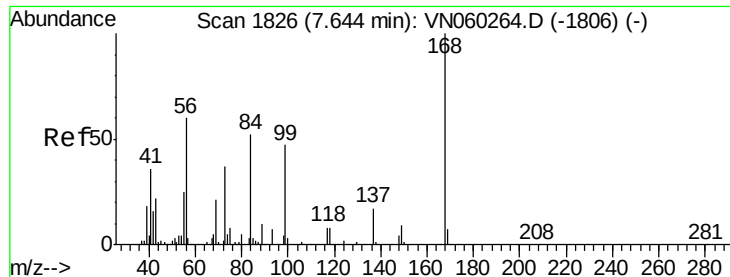
Quant Time: Mar 13 02:06:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	188762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	314198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	296322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137401	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	123277	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	7.57	113	94649	64.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.80%	
50) Toluene-d8	10.08	98	387295	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.40	95	146293	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	6603	8.44	ug/l	100
18) Methyl Acetate	4.29	43	915	0.35	ug/l #	52
20) Methylene Chloride	4.53	84	4084	1.90	ug/l	98
25) 2-Butanone	6.80	43	676	0.54	ug/l #	49
31) Cyclohexane	7.64	56	4051	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15007	5.01	ug/l #	50
37) Ethyl Acetate	6.82	43	722	0.25	ug/l #	68
38) Carbon Tetrachloride	7.64	117	18084	6.20	ug/l #	16
43) Isopropyl Acetate	8.14	43	58629	11.81	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1093	0.48	ug/l #	44
48) Methyl methacrylate	9.16	41	2927	1.29	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5255	1.87	ug/l #	83
54) cis-1,3-Dichloropropene	9.89	75	25263	6.62	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	4189	1.17	ug/l #	42
59) 2-Hexanone	10.75	43	61708	29.86	ug/l #	53
71) Bromoform	12.39	173	334	0.21	ug/l #	1
74) N-amyl acetate	12.02	43	3055	0.69	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	73623	24.42	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3073	0.36	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	73623	67.42	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

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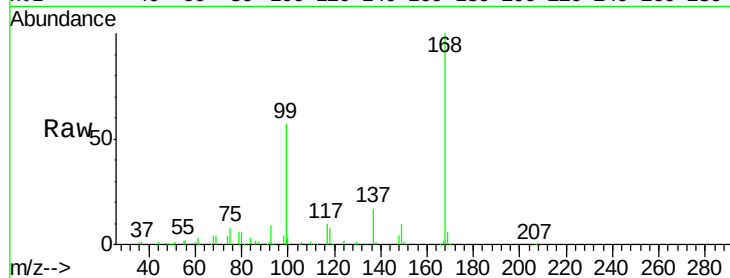
PB127465ZHE#06

Tgt Ion:168 Resp: 188762

Ion Ratio Lower Upper

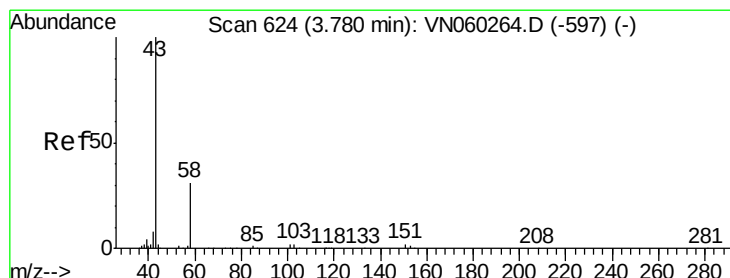
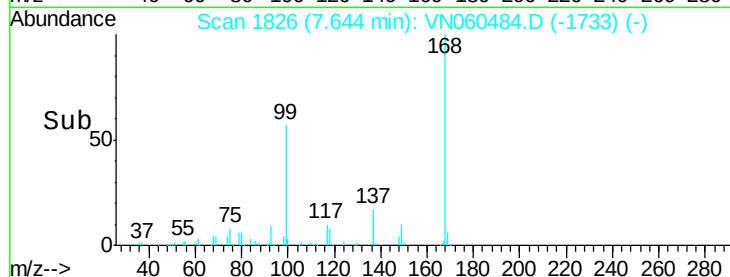
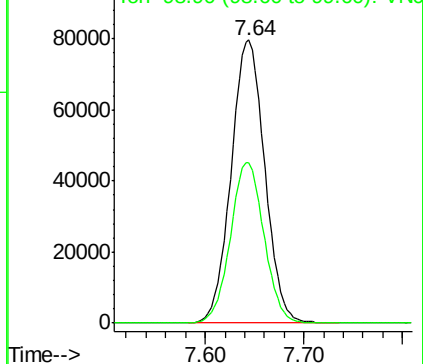
168 100

99 56.7 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 8.44 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060484.D

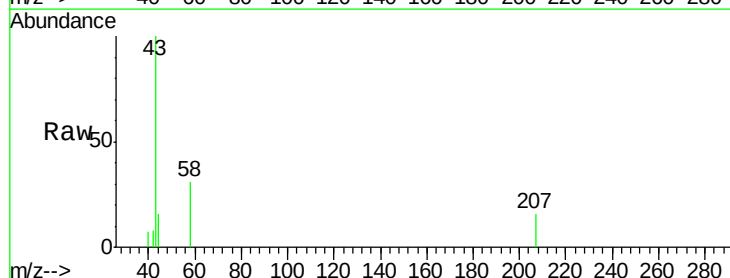
Acq: 12 Mar 2020 17:04

Tgt Ion: 43 Resp: 6603

Ion Ratio Lower Upper

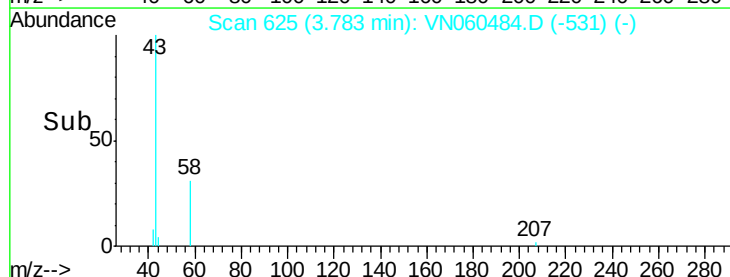
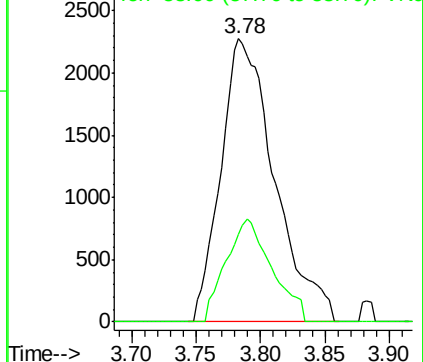
43 100

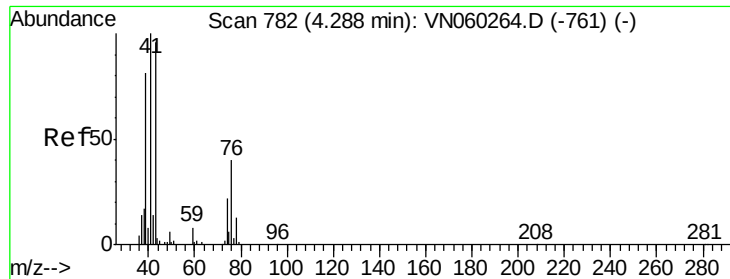
58 30.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

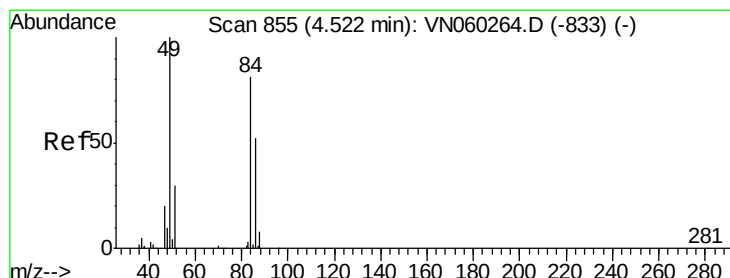
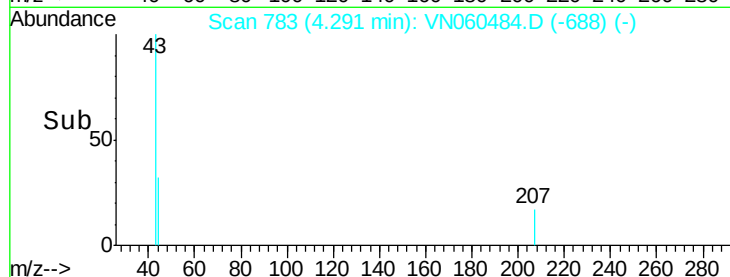
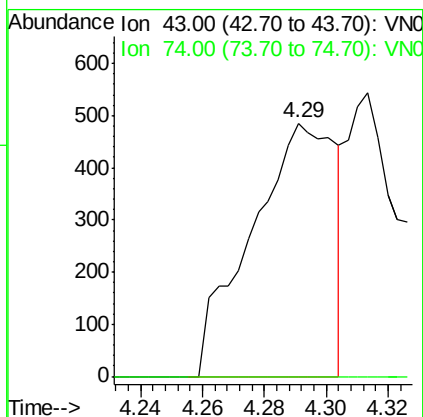
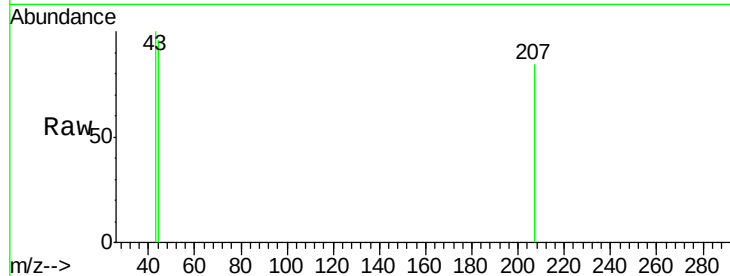




#18
Methyl Acetate
Concen: 0.35 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060484.D
Acq: 12 Mar 2020 17:04

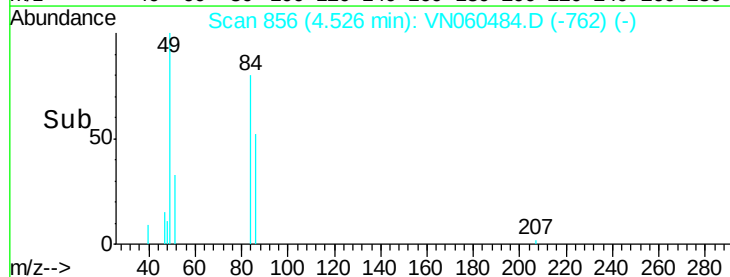
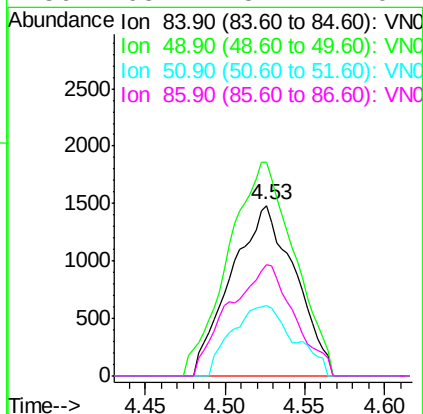
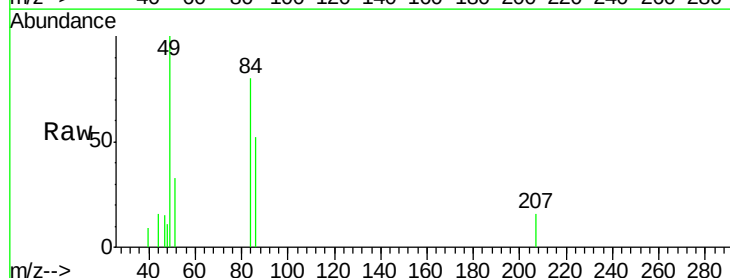
Instrument :
MSVOA_N
ClientSampleId :
PB127465ZHE#06

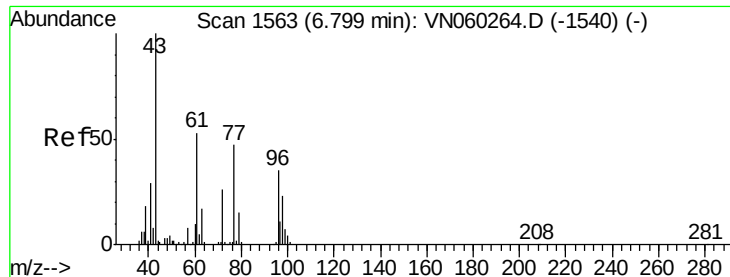
Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 1.90 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060484.D
Acq: 12 Mar 2020 17:04

Tgt Ion: 84 Resp: 4084
Ion Ratio Lower Upper
84 100
49 125.3 99.3 148.9
51 41.4 30.1 45.1
86 65.7 51.1 76.7





#25

2-Butanone

Concen: 0.54 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060484.D

Acq: 12 Mar 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

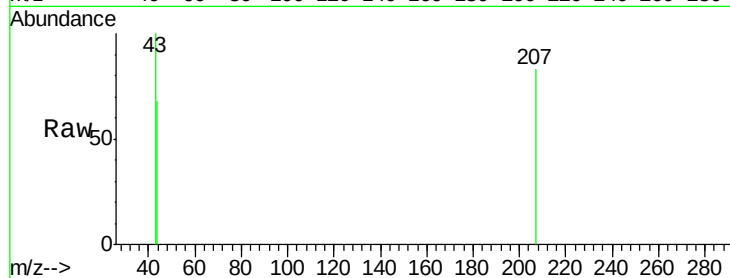
PB127465ZHE#06

Tgt Ion: 43 Resp: 676

Ion Ratio Lower Upper

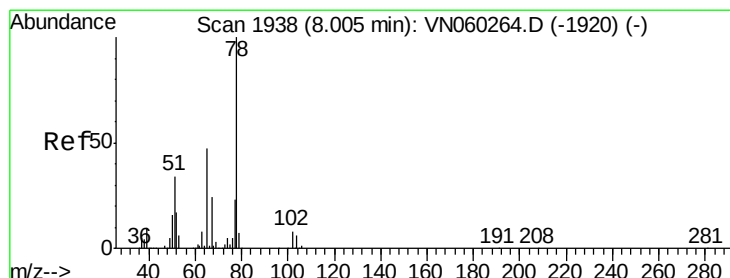
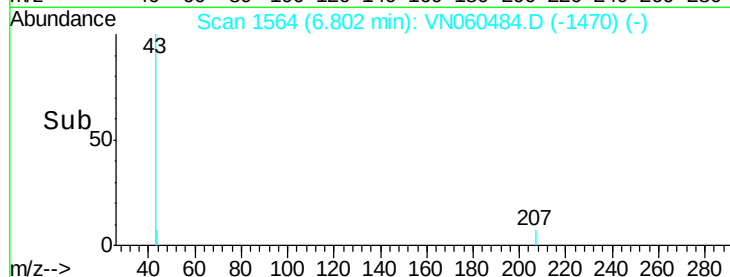
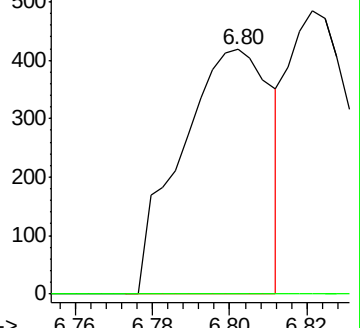
43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.90 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060484.D

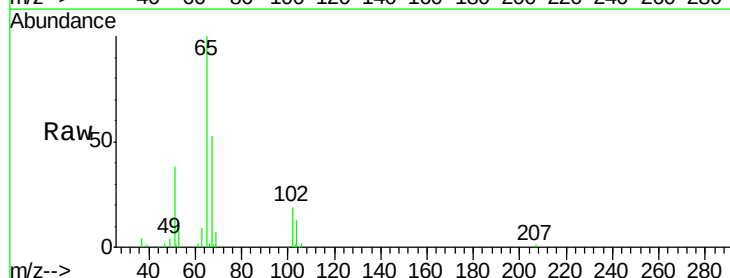
Acq: 12 Mar 2020 17:04

Tgt Ion: 65 Resp: 123277

Ion Ratio Lower Upper

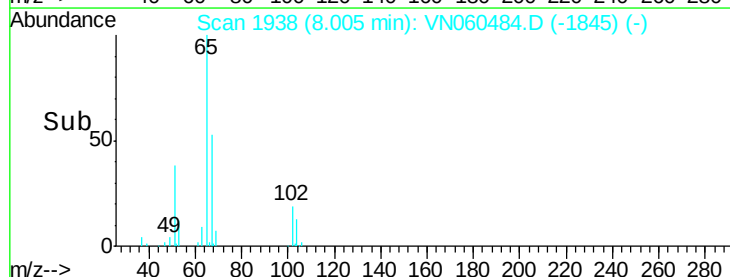
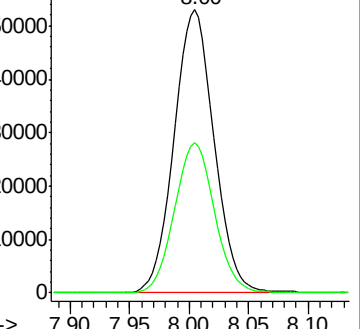
65 100

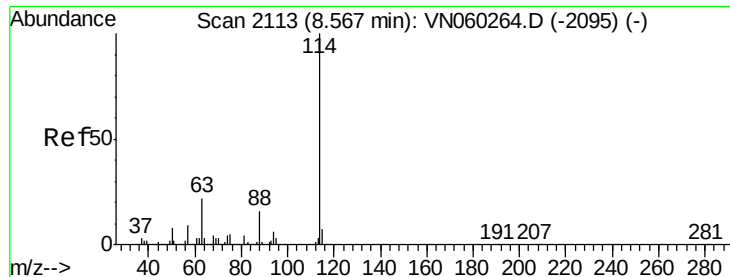
67 53.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

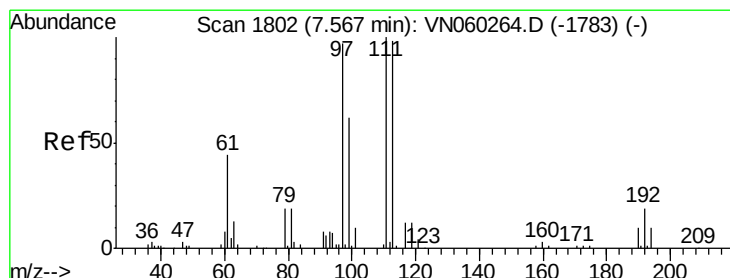
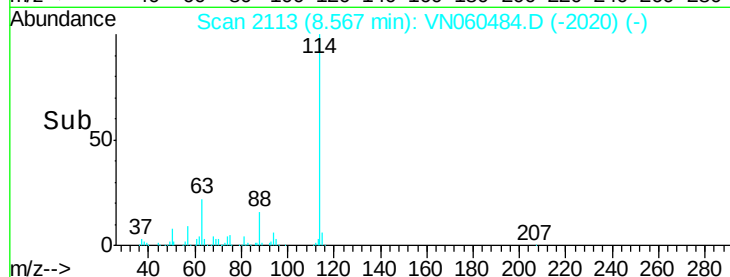
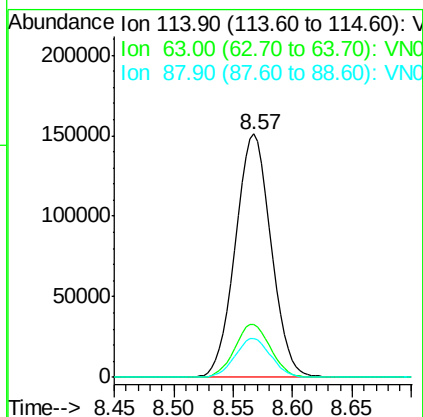
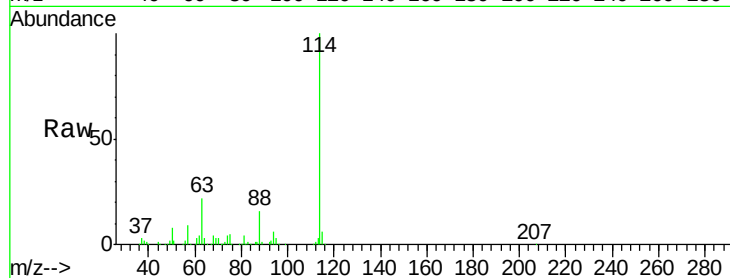




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060484.D
 Acq: 12 Mar 2020 17:04

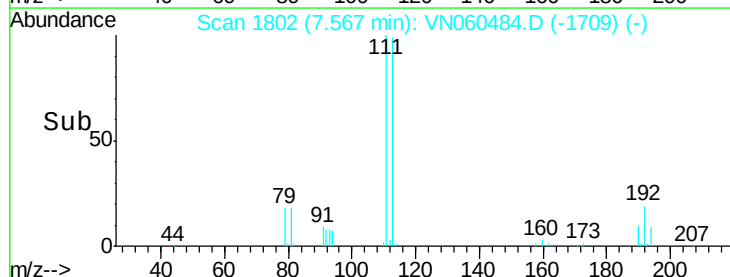
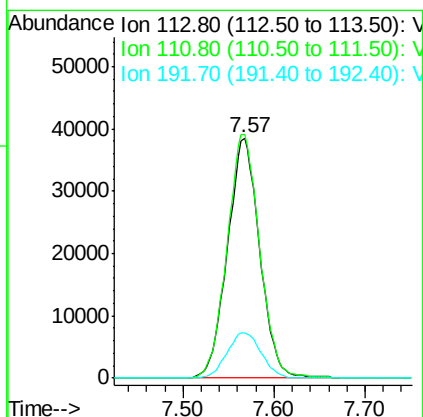
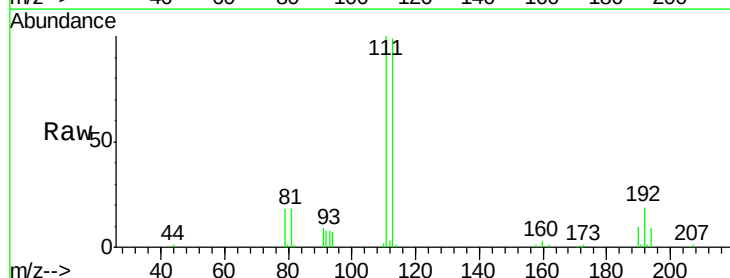
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127465ZHE#06

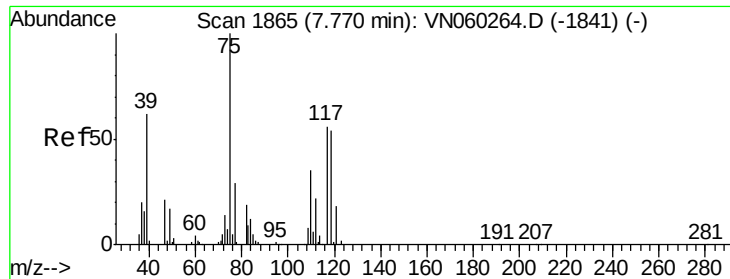
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.2
88	16.1	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 64.90 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060484.D
 Acq: 12 Mar 2020 17:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	20.0	16.2	24.2





#36

1,1-Dichloropropene

Concen: 5.01 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN060484.D

Acq: 12 Mar 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#06

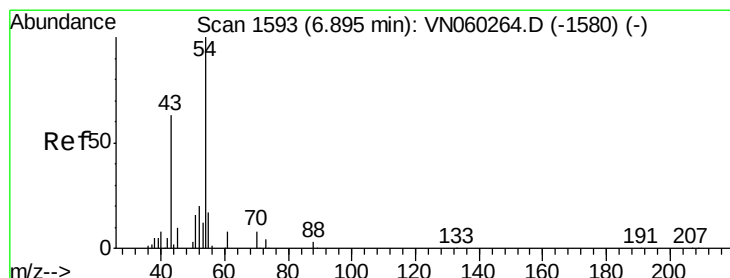
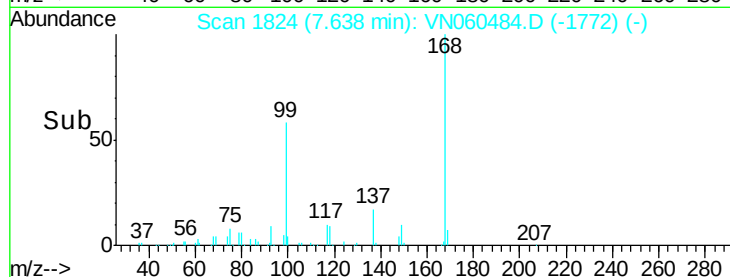
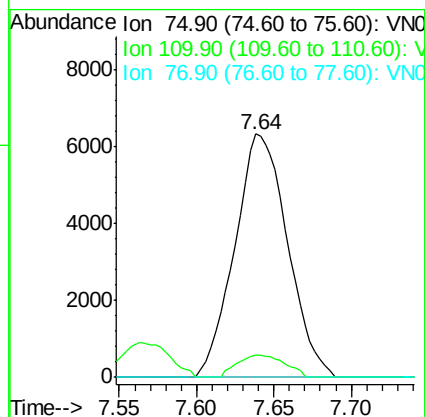
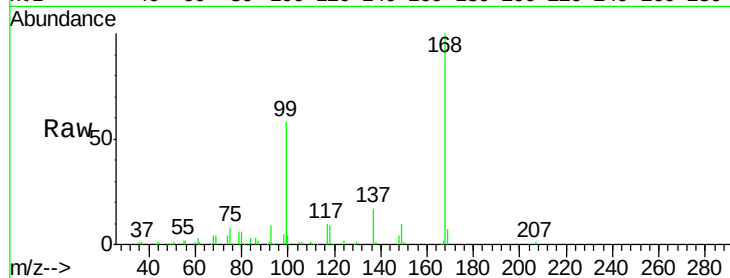
Tgt Ion: 75 Resp: 15007

Ion Ratio Lower Upper

75 100

110 8.2 17.3 52.0#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 0.25 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.07 min

Lab File: VN060484.D

Acq: 12 Mar 2020 17:04

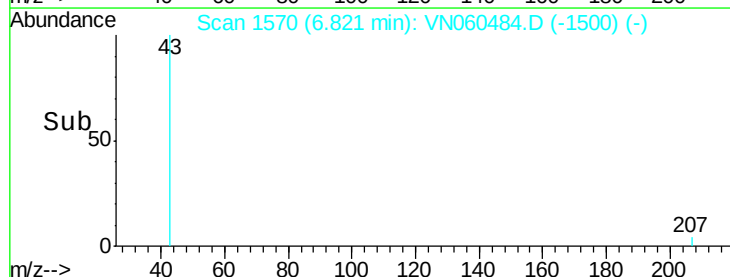
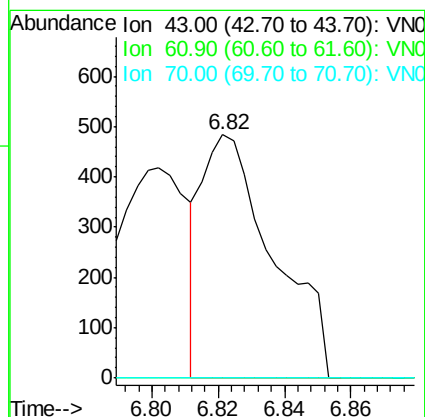
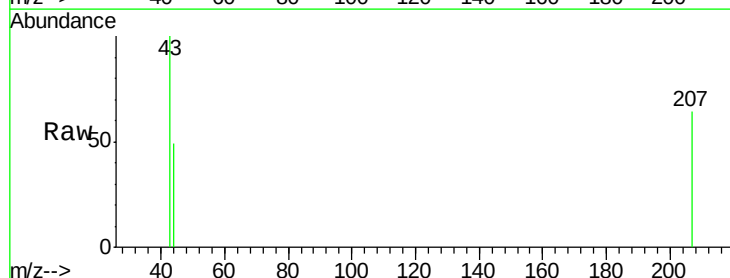
Tgt Ion: 43 Resp: 722

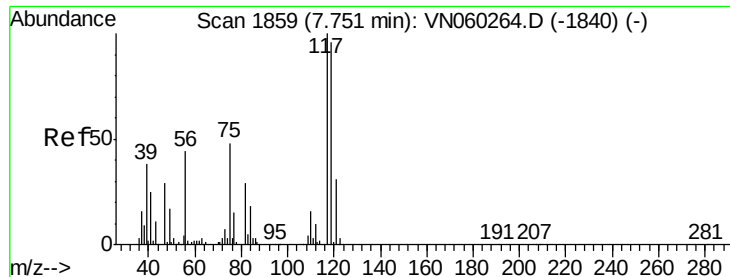
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.20 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060484.D

Acq: 12 Mar 2020 17:04

Instrument :

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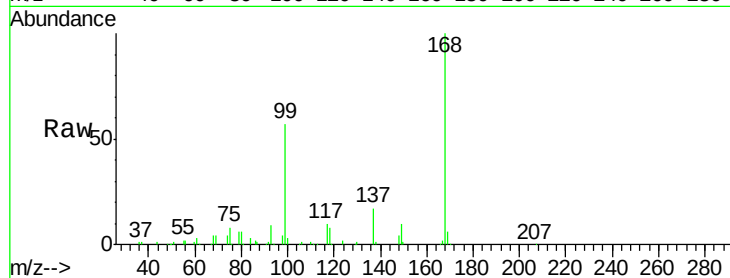
Tgt Ion:117 Resp: 18084

Ion Ratio Lower Upper

117 100

119 5.1 76.7 115.1#

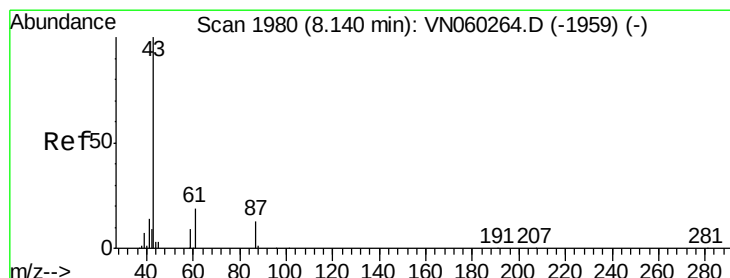
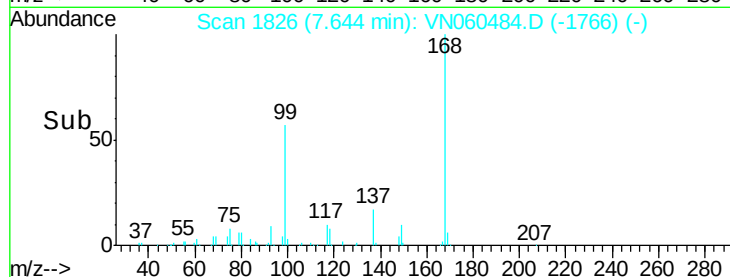
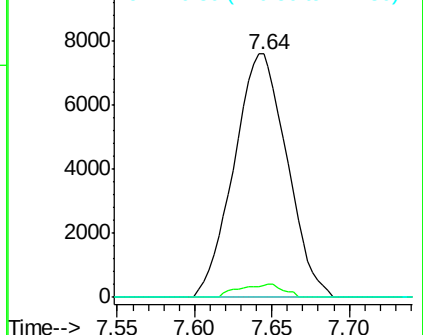
121 0.0 24.5 36.7#



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: 11.81 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060484.D

Acq: 12 Mar 2020 17:04

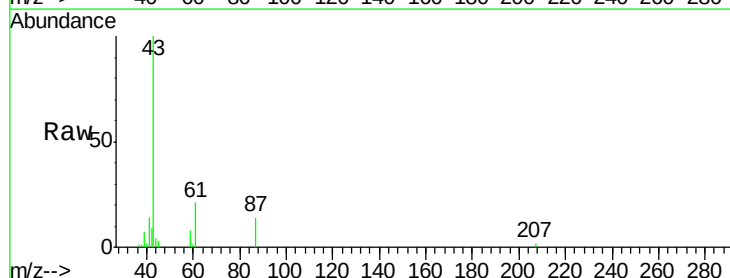
Tgt Ion: 43 Resp: 58629

Ion Ratio Lower Upper

43 100

61 19.5 20.9 31.3#

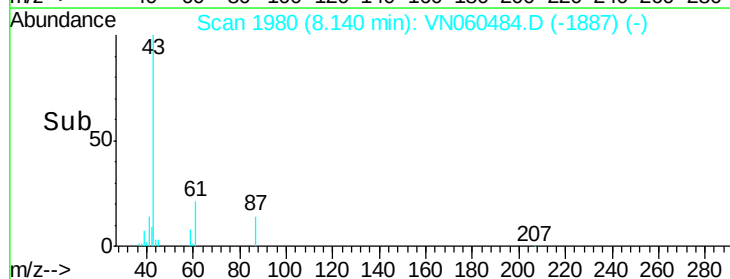
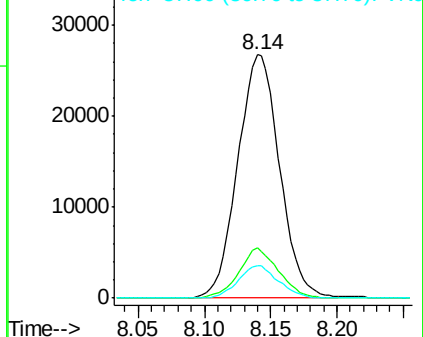
87 12.6 10.6 16.0

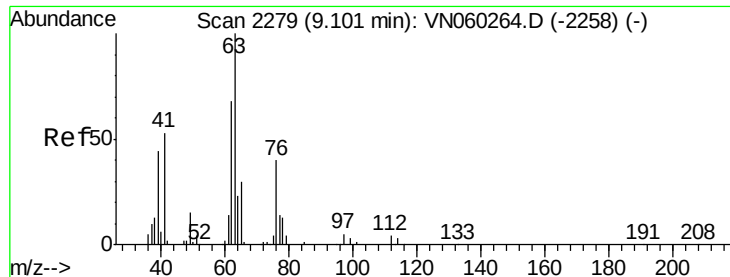


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.48 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060484.D

Acq: 12 Mar 2020 17:04

Instrument :

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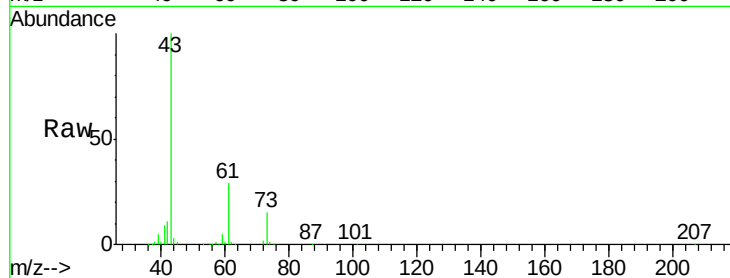
PB127465ZHE#06

Tgt Ion: 63 Resp: 1093

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.25

800

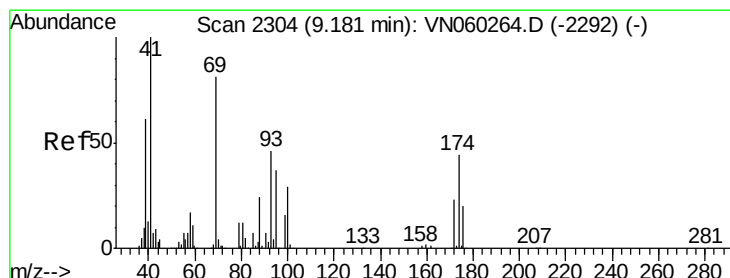
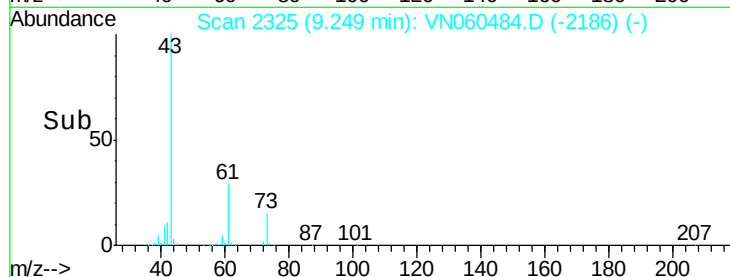
600

400

200

0

Time--> 9.20 9.22 9.24 9.26 9.28



#48

Methyl methacrylate

Concen: 1.29 ug/l

RT: 9.16 min Scan# 2297

Delta R.T. -0.02 min

Lab File: VN060484.D

Acq: 12 Mar 2020 17:04

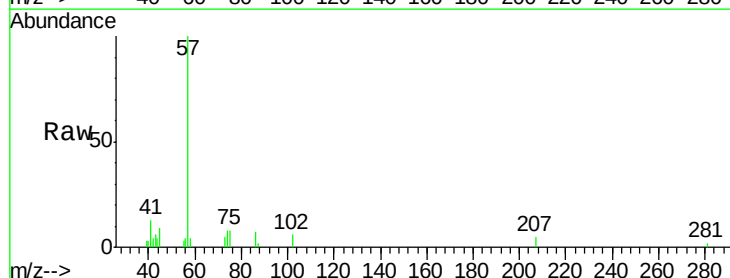
Tgt Ion: 41 Resp: 2927

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

39 0.0 50.1 75.1#



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

50000

40000

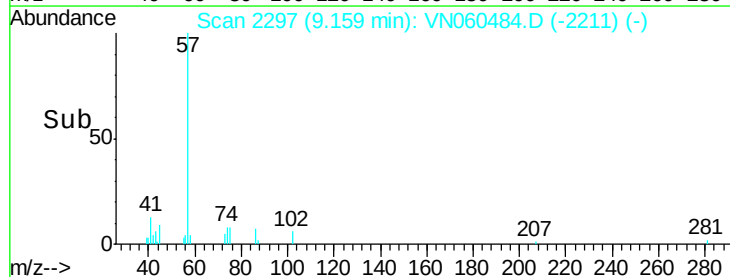
30000

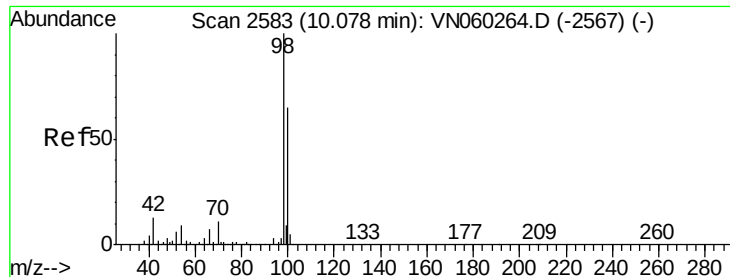
20000

10000

0

Time--> 9.10 9.15 9.20





#50

Toluene-d8

Concen: 52.47 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060484.D

Acq: 12 Mar 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

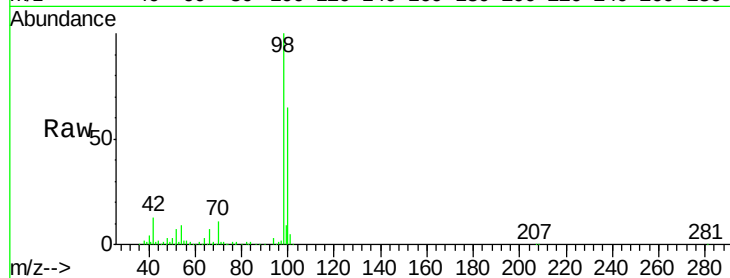
PB127465ZHE#06

Tgt Ion: 98 Resp: 387295

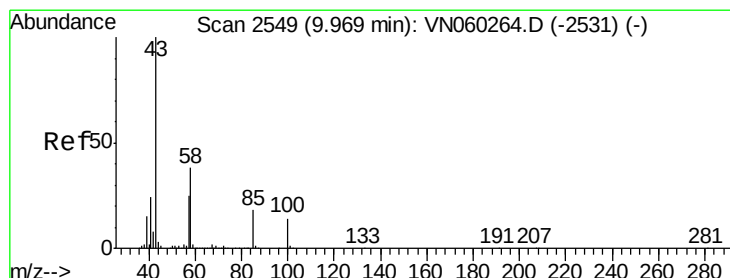
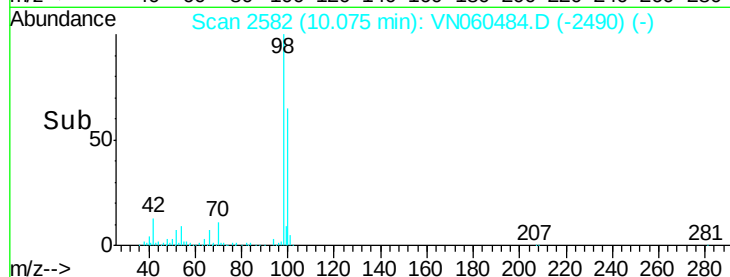
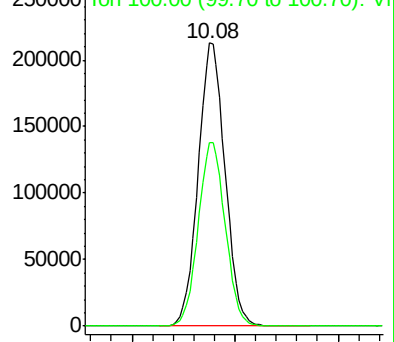
Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.87 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060484.D

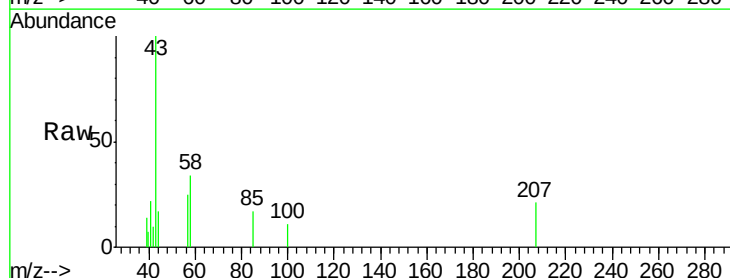
Acq: 12 Mar 2020 17:04

Tgt Ion: 43 Resp: 5255

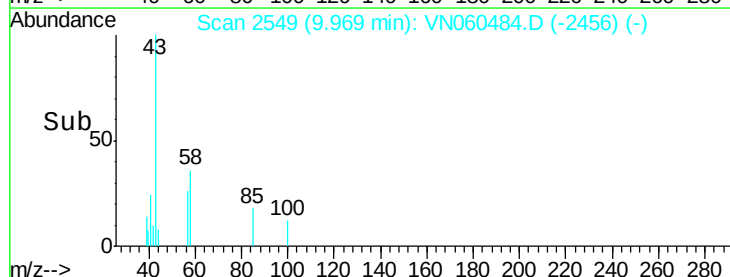
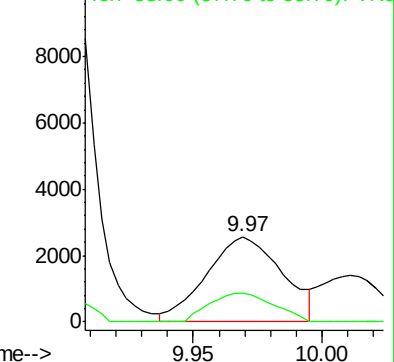
Ion Ratio Lower Upper

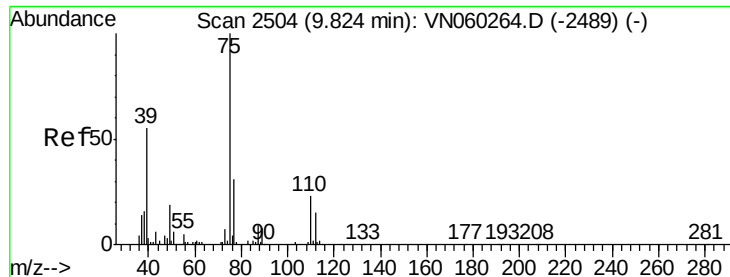
43 100

58 28.5 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.62 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060484.D

Acq: 12 Mar 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#06

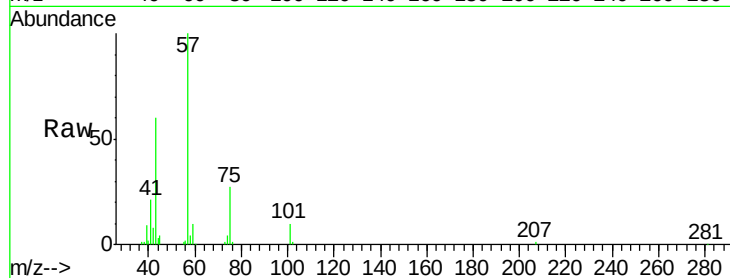
Tgt Ion: 75 Resp: 25263

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

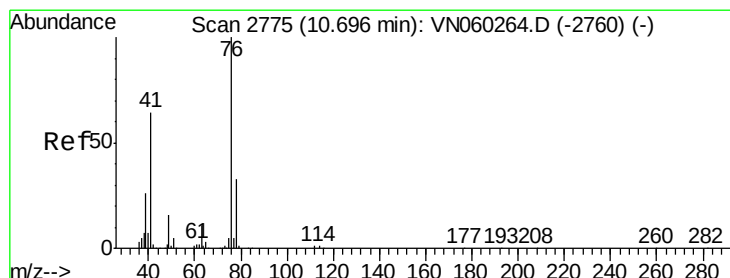
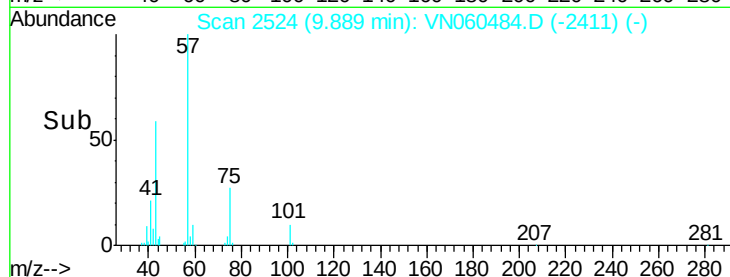
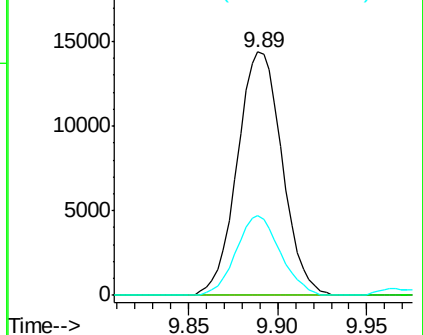
39 32.7 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VN060484.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060484.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060484.D (-2411) (-)



#57

1,3-Dichloropropane

Concen: 1.17 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060484.D

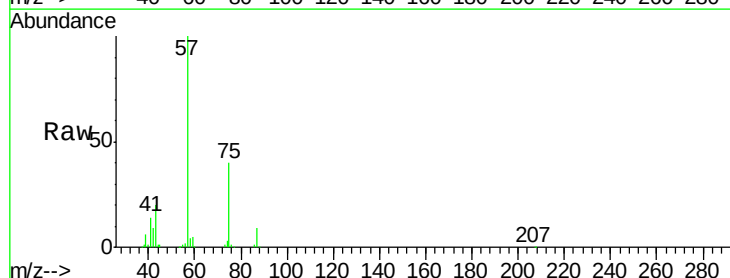
Acq: 12 Mar 2020 17:04

Tgt Ion: 76 Resp: 4189

Ion Ratio Lower Upper

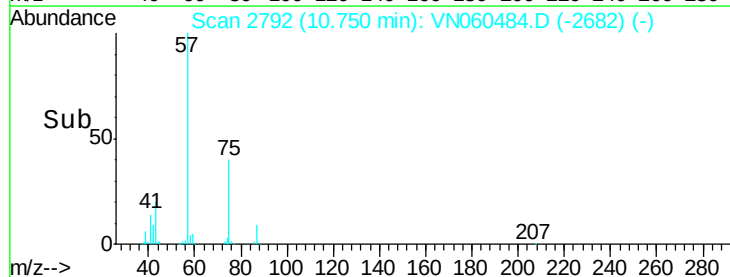
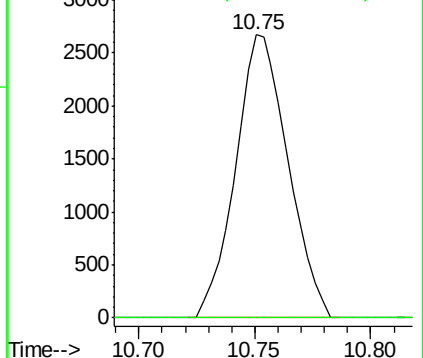
76 100

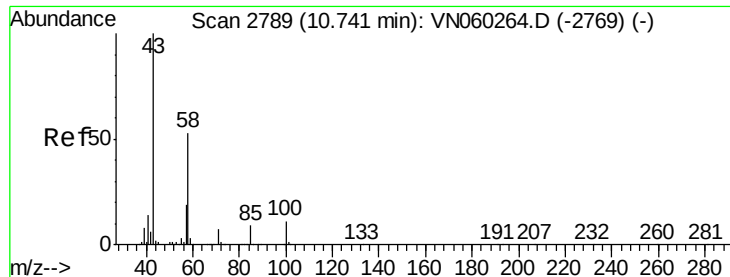
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN060484.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060484.D (-2682) (-)





#59

2-Hexanone

Concen: 29.86 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060484.D

Acq: 12 Mar 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

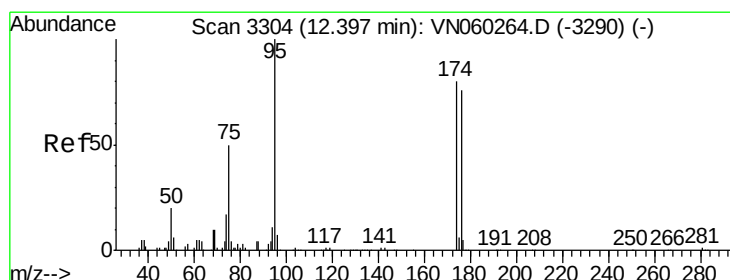
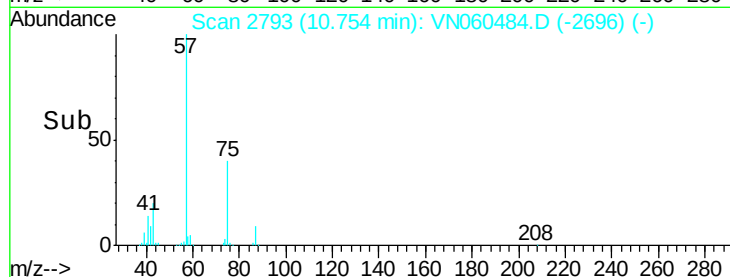
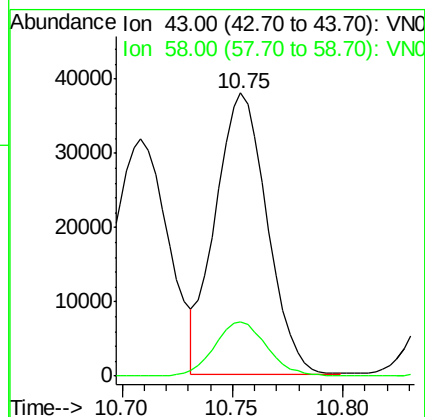
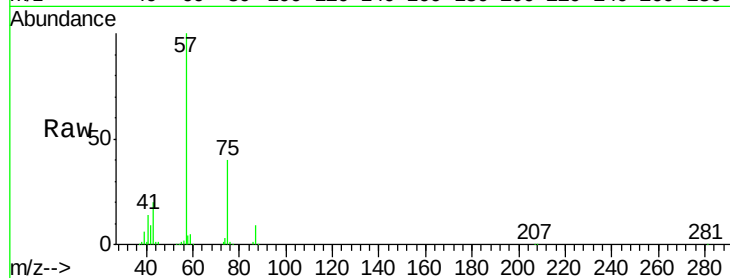
PB127465ZHE#06

Tgt Ion: 43 Resp: 61708

Ion Ratio Lower Upper

43 100

58 19.5 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 52.28 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060484.D

Acq: 12 Mar 2020 17:04

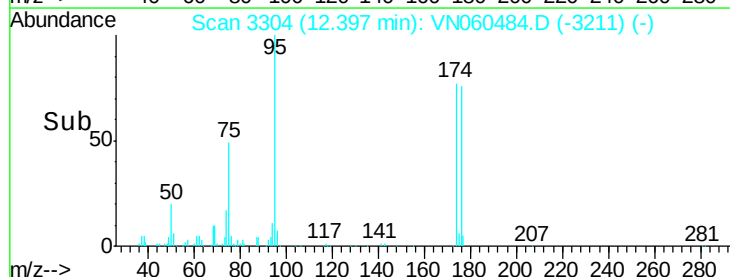
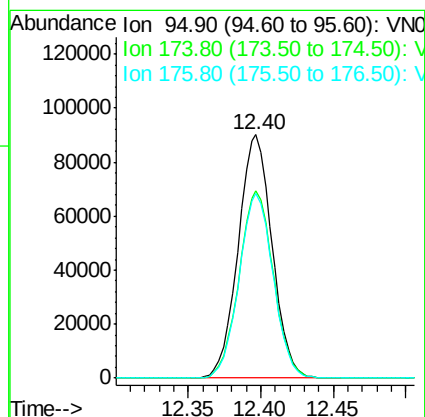
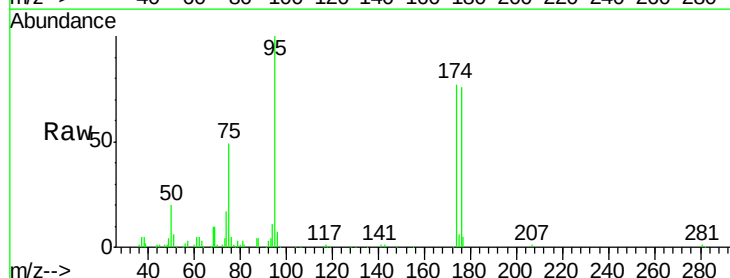
Tgt Ion: 95 Resp: 146293

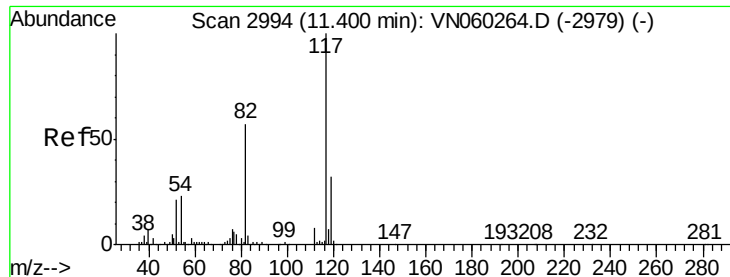
Ion Ratio Lower Upper

95 100

174 77.9 0.0 159.2

176 76.4 0.0 153.8

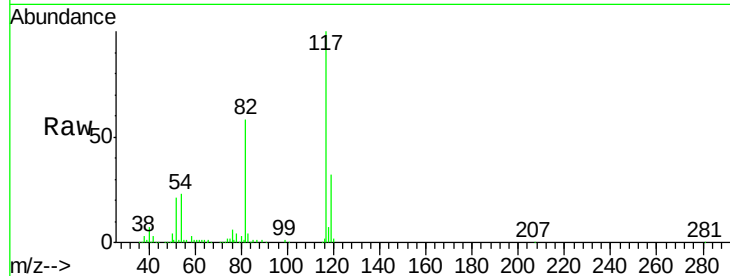




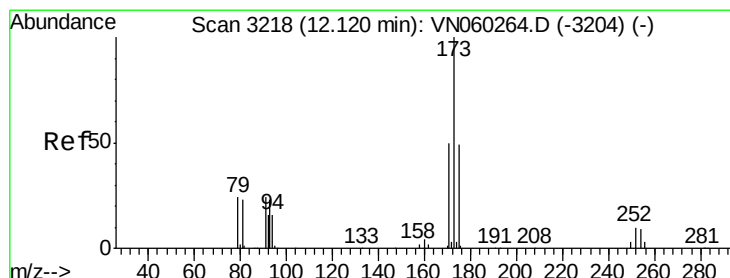
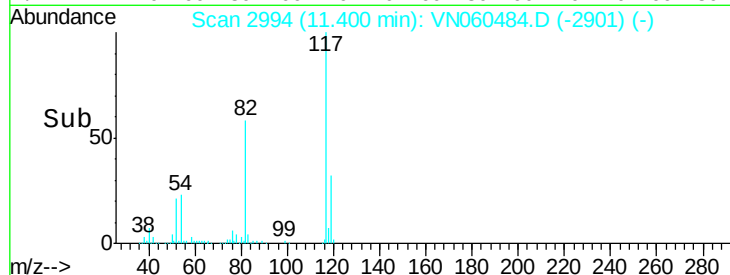
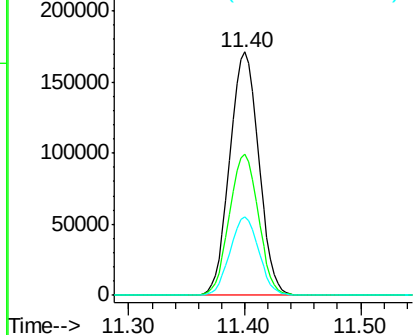
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060484.D
Acq: 12 Mar 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
PB127465ZHE#06

Tgt Ion:117 Resp: 296322
Ion Ratio Lower Upper
117 100
82 57.9 45.8 68.6
119 32.2 25.8 38.8

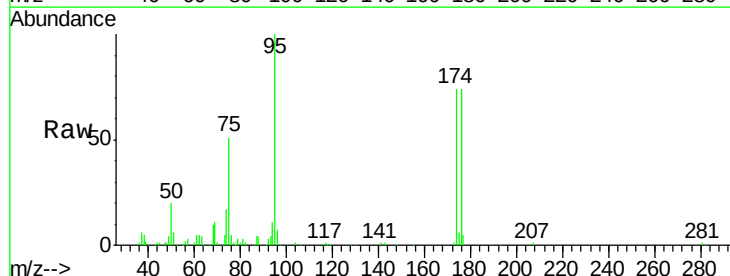


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

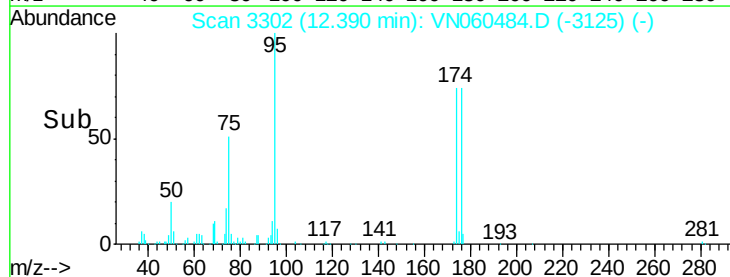
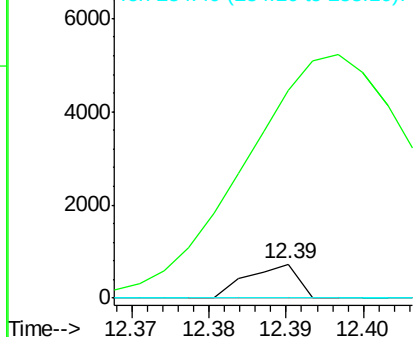


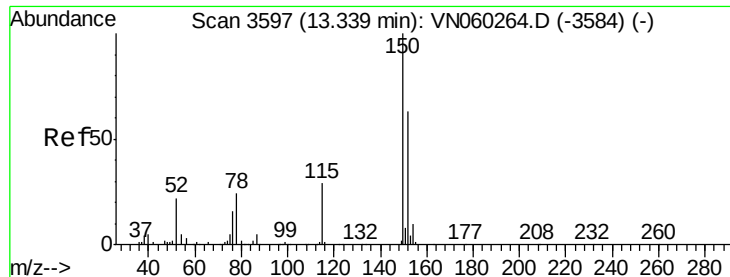
#71
Bromoform
Concen: 0.21 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.27 min
Lab File: VN060484.D
Acq: 12 Mar 2020 17:04

Tgt Ion:173 Resp: 334
Ion Ratio Lower Upper
173 100
175 2150.0 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: VN060484.D

Acq: 12 Mar 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#06

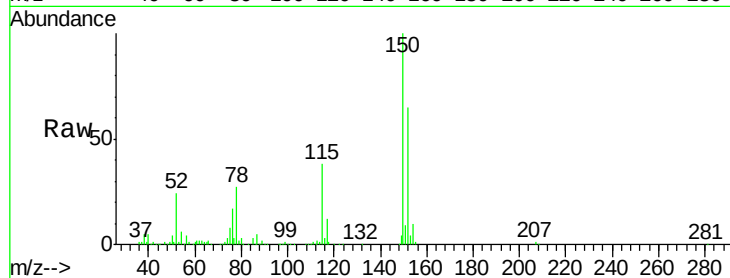
Tgt Ion: 152 Resp: 137401

Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.0

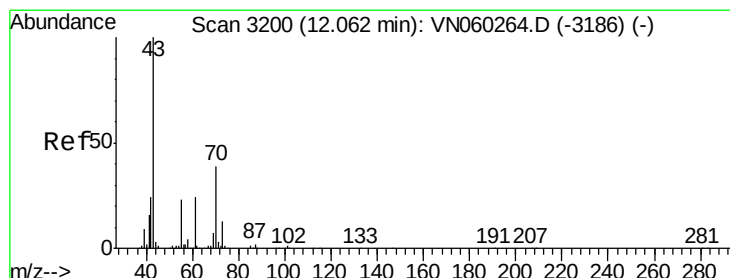
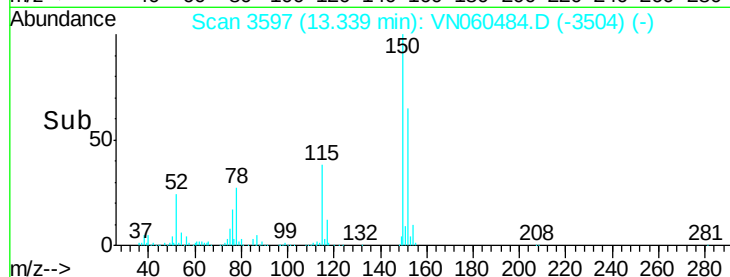
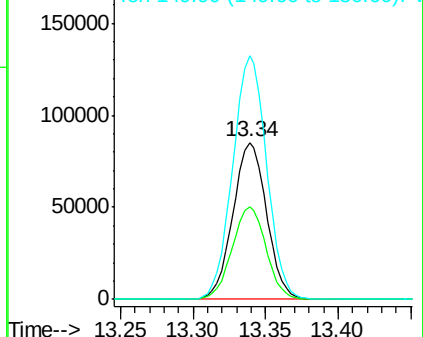
150 156.6 0.0 349.6



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: VN060484.D

Acq: 12 Mar 2020 17:04

Tgt Ion: 43 Resp: 3055

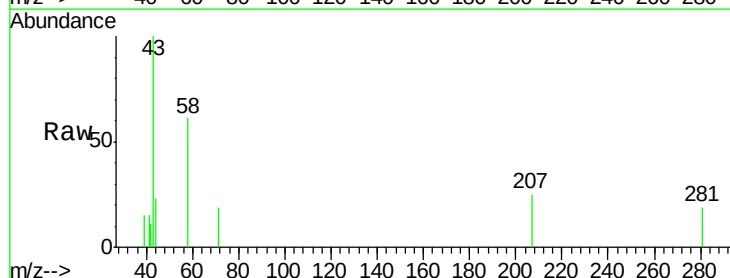
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

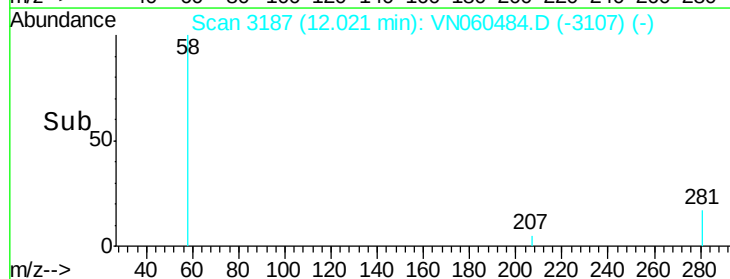
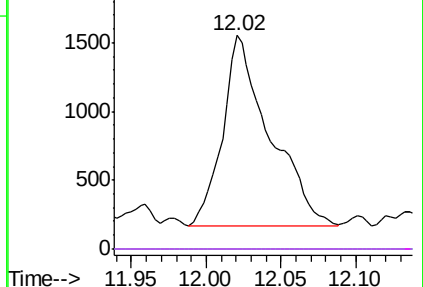


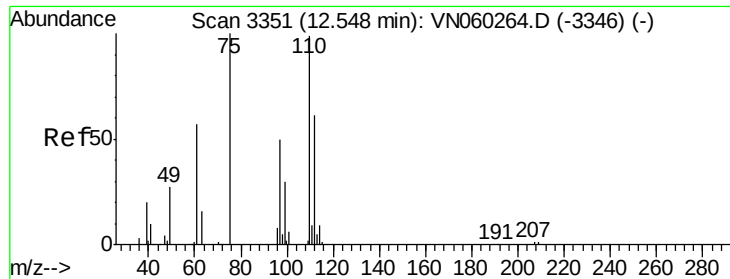
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.42 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060484.D

Acq: 12 Mar 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

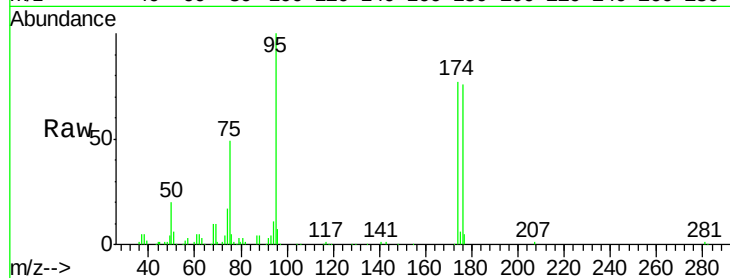
PB127465ZHE#06

Tgt Ion: 75 Resp: 73623

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060484.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060484.D (-3304) (-)

12.40

50000

40000

30000

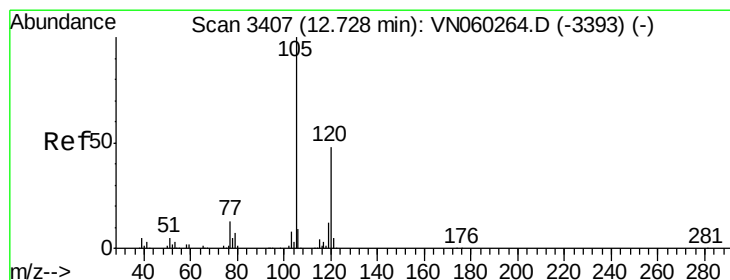
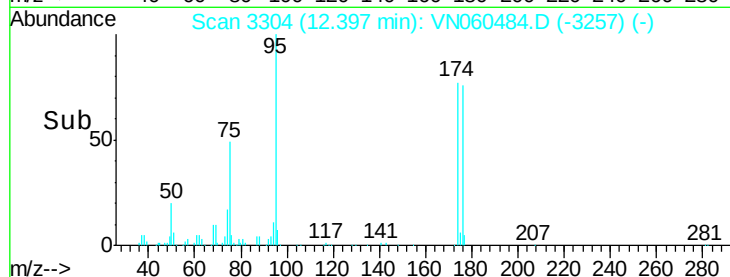
20000

10000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.36 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060484.D

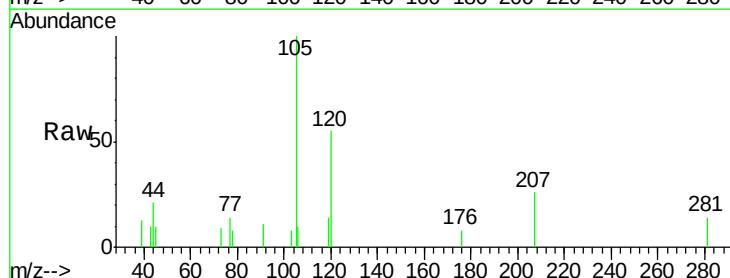
Acq: 12 Mar 2020 17:04

Tgt Ion: 105 Resp: 3073

Ion Ratio Lower Upper

105 100

120 49.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060484.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060484.D (-3393) (-)

12.73

2000

1500

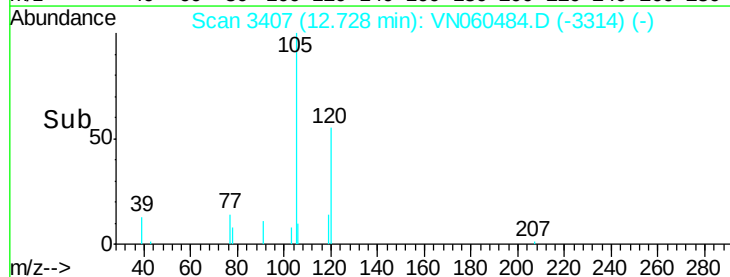
1000

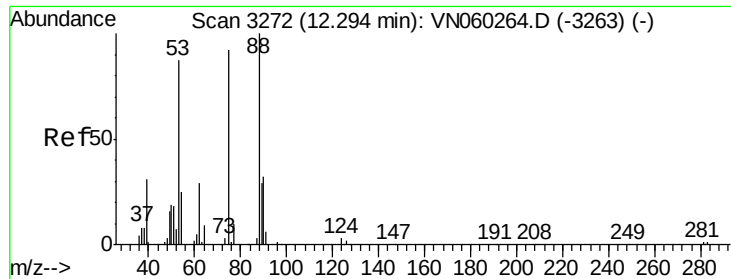
500

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 67.42 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060484.D

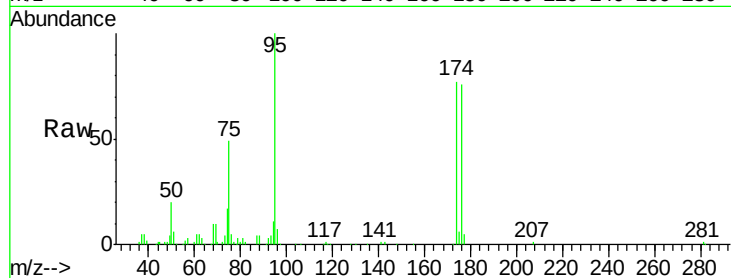
Acq: 12 Mar 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB127465ZHE#06



Tgt Ion: 75 Resp: 73623

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#

