

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
 Data File : VN060478.D
 Acq On : 12 Mar 2020 14:48
 Operator : JC/MD
 Sample : PB127467ZHE#15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127467ZHE#15

Quant Time: Mar 13 02:04:47 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	191545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	320505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142227	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	126800	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	7.57	113	95456	64.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.32%	
50) Toluene-d8	10.08	98	396114	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
62) 4-Bromofluorobenzene	12.40	95	149157	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	6213	7.83	ug/l	97
18) Methyl Acetate	4.30	43	1870	0.71	ug/l #	59
20) Methylene Chloride	4.52	84	3302	1.52	ug/l #	83
25) 2-Butanone	6.79	43	322	0.25	ug/l #	49
31) Cyclohexane	7.64	56	4185	Below Cal	#	7
36) 1,1-Dichloropropene	7.64	75	14750	4.83	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18194	6.12	ug/l #	17
43) Isopropyl Acetate	8.14	43	66510	13.14	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1277	0.55	ug/l #	44
48) Methyl methacrylate	9.16	41	3329	1.44	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5861	2.04	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	27916	7.17	ug/l #	58
56) Ethyl methacrylate	10.53	69	690	0.21	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	4573	1.25	ug/l #	42
59) 2-Hexanone	10.75	43	68221	32.36	ug/l #	52
71) Bromoform	12.40	173	684	0.42	ug/l #	1
74) N-amyl acetate	12.02	43	4236	0.92	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	76677	24.57	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3757	0.42	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	76677	67.83	ug/l #	8
95) Naphthalene	15.13	128	138	Below Cal	#	69

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

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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN031220\  
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Acq On    : 12 Mar 2020  14:48  
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Sample    : PB127467ZHE#15  
Misc      : 5.00mL/MSVOA_N/WATER  
ALS Vial  : 16    Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

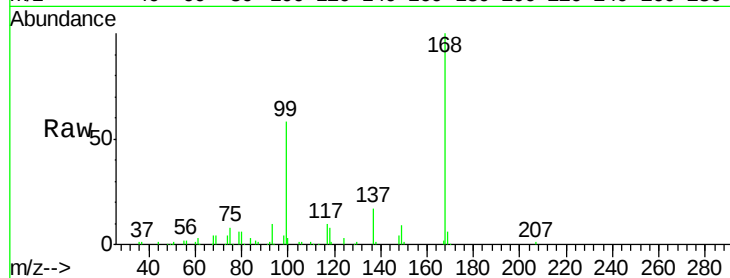
PB127467ZHE#15

Tgt Ion:168 Resp: 191545

Ion Ratio Lower Upper

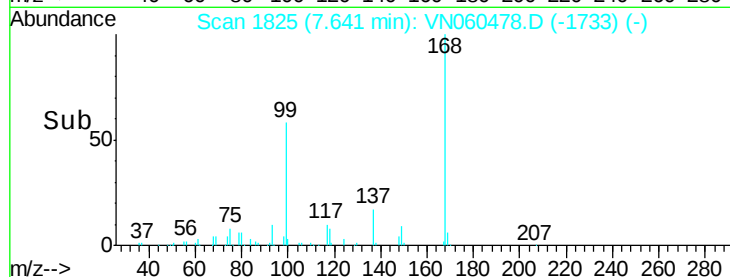
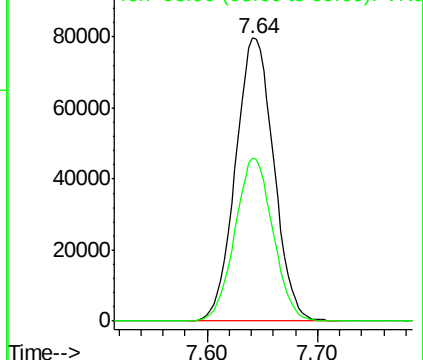
168 100

99 57.7 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: 7.83 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060478.D

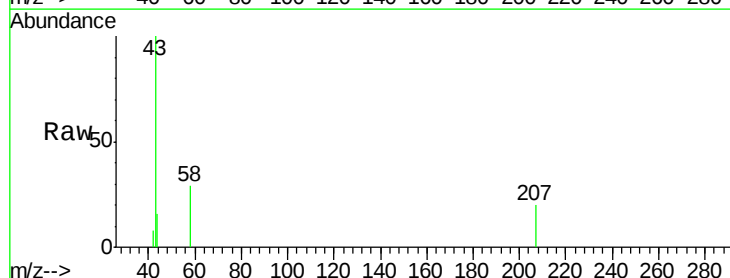
Acq: 12 Mar 2020 14:48

Tgt Ion: 43 Resp: 6213

Ion Ratio Lower Upper

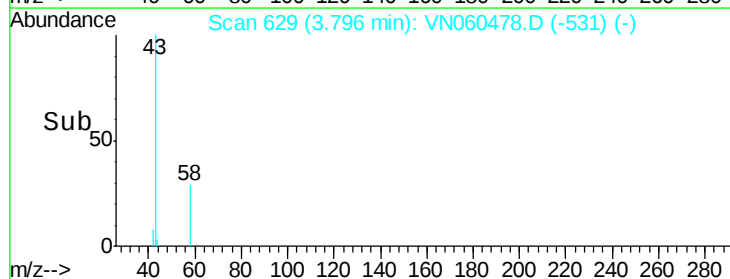
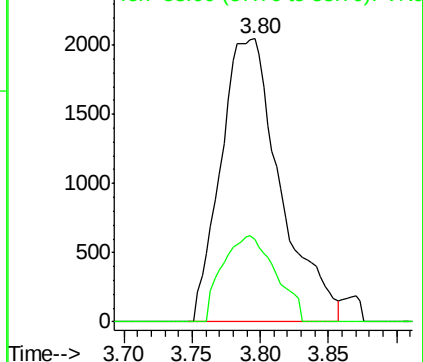
43 100

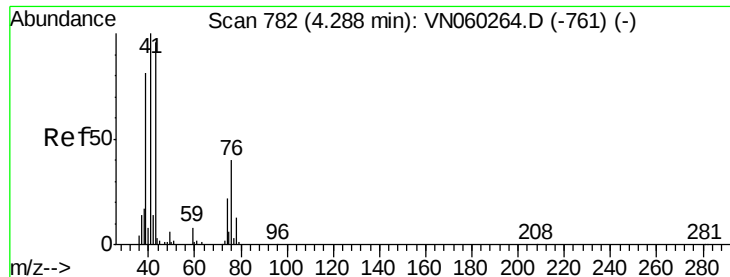
58 29.0 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

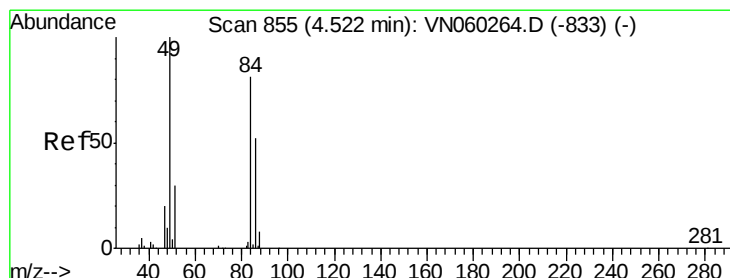
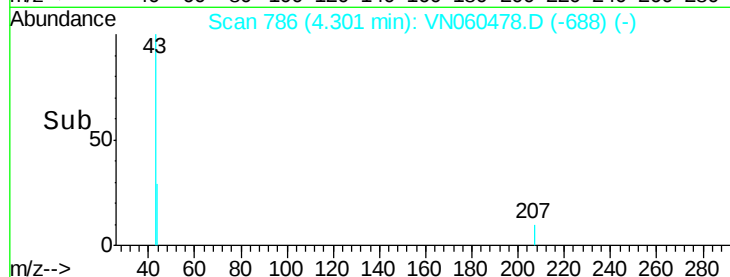
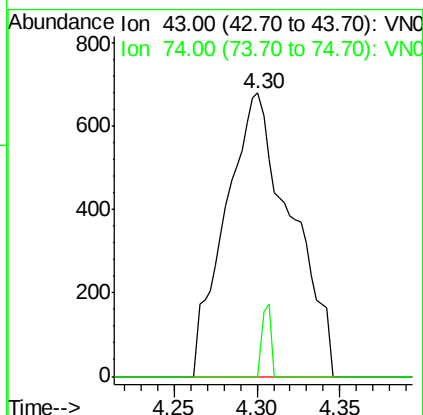
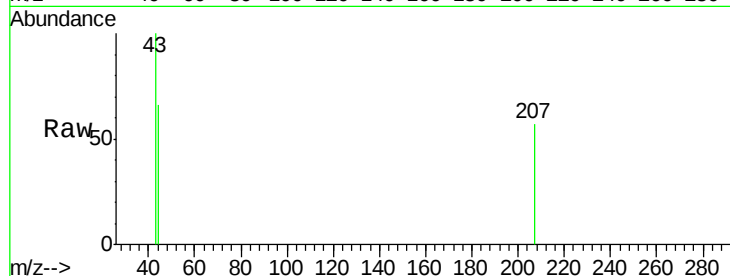




#18
Methyl Acetate
Concen: 0.71 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060478.D
Acq: 12 Mar 2020 14:48

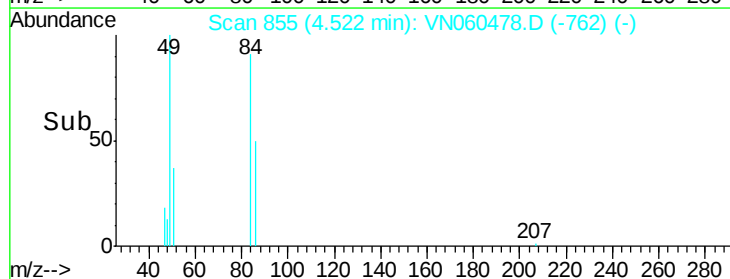
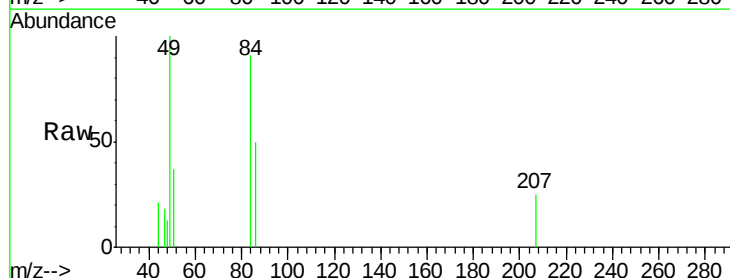
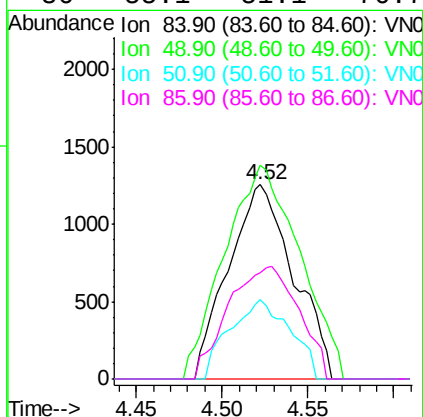
Instrument :
MSVOA_N
ClientSampleId :
PB127467ZHE#15

Tgt Ion: 43 Resp: 1870
Ion Ratio Lower Upper
43 100
74 3.4 18.8 28.2#



#20
Methylene Chloride
Concen: 1.52 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060478.D
Acq: 12 Mar 2020 14:48

Tgt Ion: 84 Resp: 3302
Ion Ratio Lower Upper
84 100
49 97.9 99.3 148.9#
51 41.1 30.1 45.1
86 55.1 51.1 76.7





#25

2-Butanone

Concen: 0.25 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

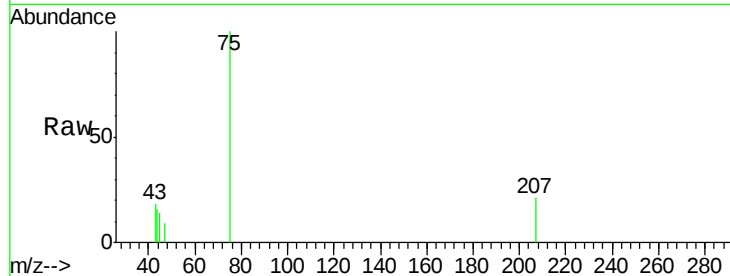
PB127467ZHE#15

Tgt Ion: 43 Resp: 322

Ion Ratio Lower Upper

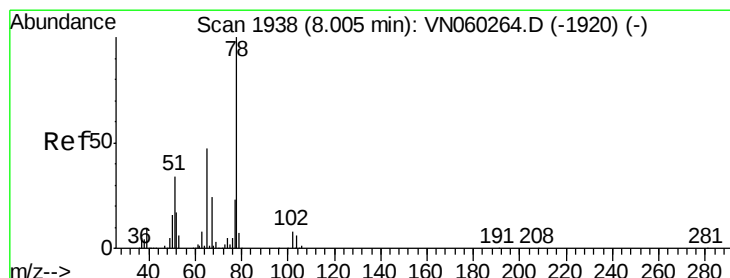
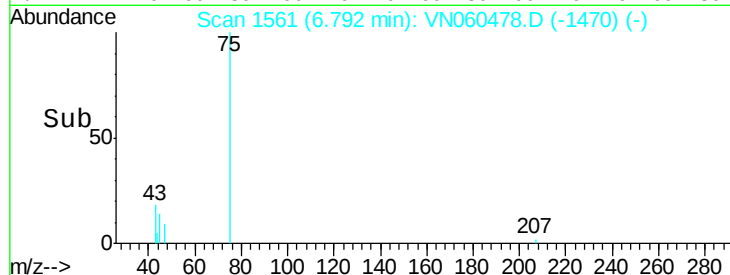
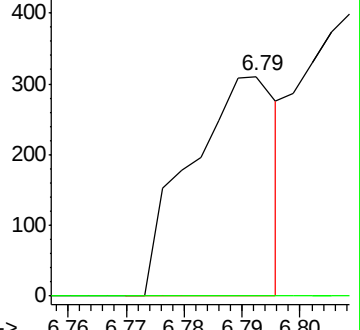
43 100

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: 51.60 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060478.D

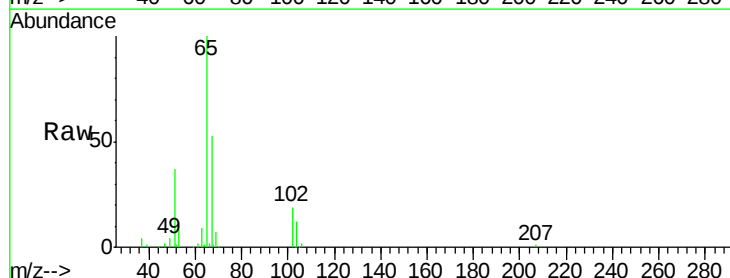
Acq: 12 Mar 2020 14:48

Tgt Ion: 65 Resp: 126800

Ion Ratio Lower Upper

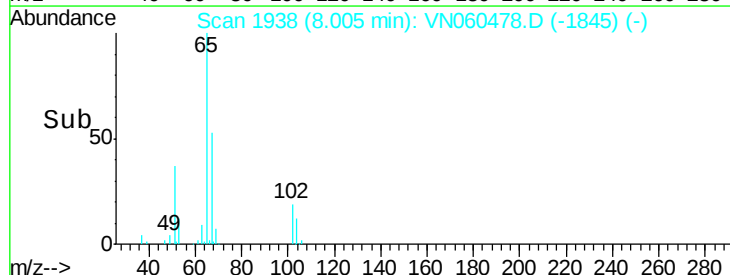
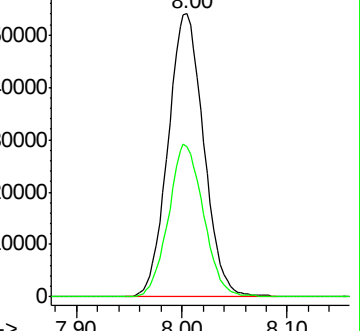
65 100

67 52.8 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: VN060478.D

Acq: 12 Mar 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB127467ZHE#15

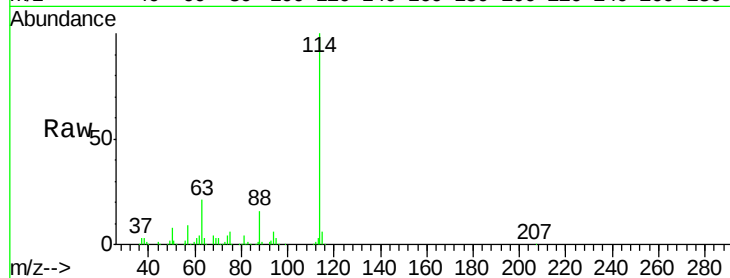
Tgt Ion:114 Resp: 320505

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

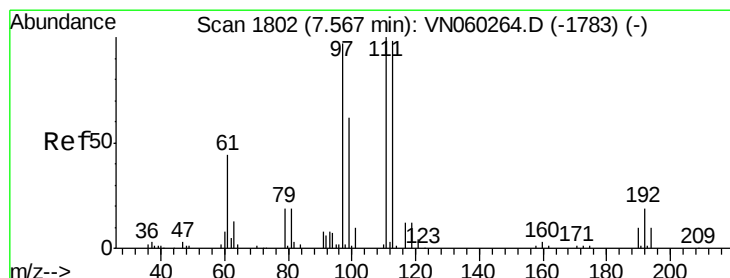
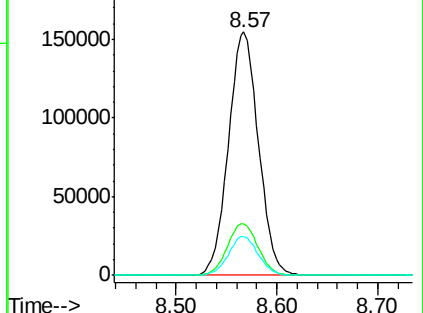
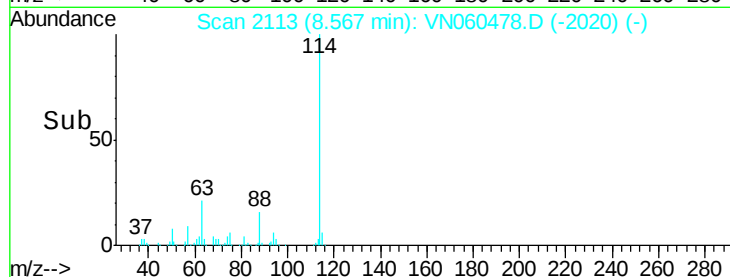
88 16.0 0.0 31.6



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: 64.16 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

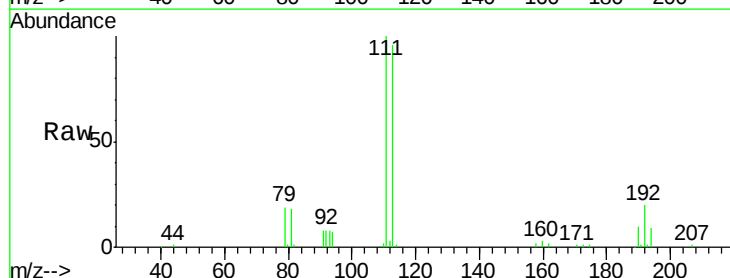
Tgt Ion:113 Resp: 95456

Ion Ratio Lower Upper

113 100

111 103.4 82.4 123.6

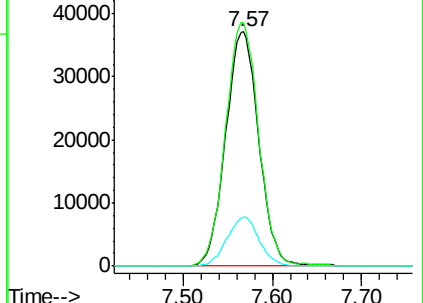
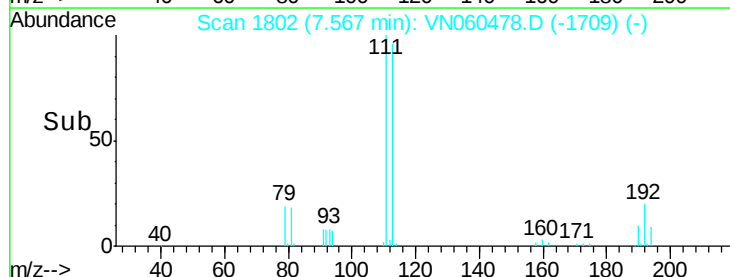
192 20.2 16.2 24.2



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: 4.83 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB127467ZHE#15

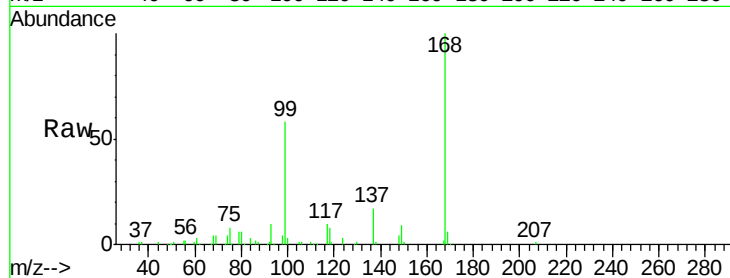
Tgt Ion: 75 Resp: 14750

Ion Ratio Lower Upper

75 100

110 8.1 17.3 52.0#

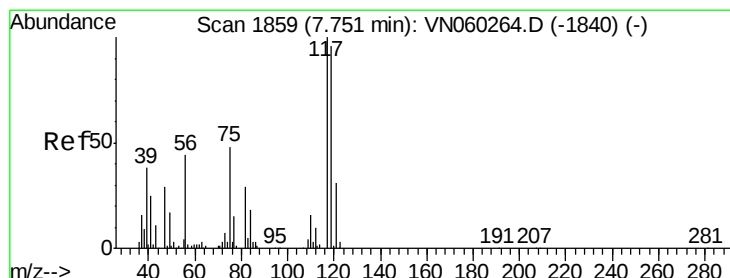
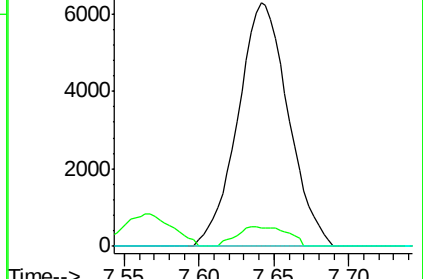
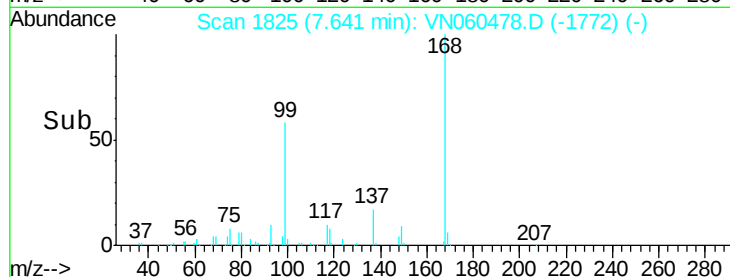
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060478.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060478.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060478.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.12 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

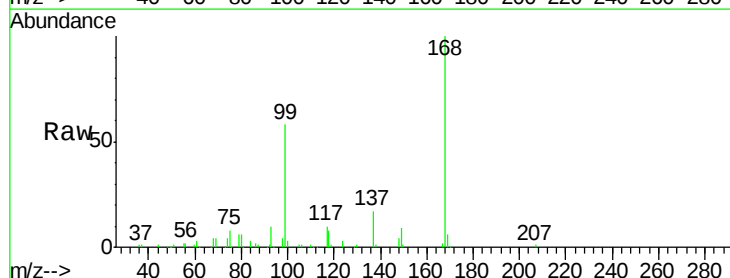
Tgt Ion: 117 Resp: 18194

Ion Ratio Lower Upper

117 100

119 5.9 76.7 115.1#

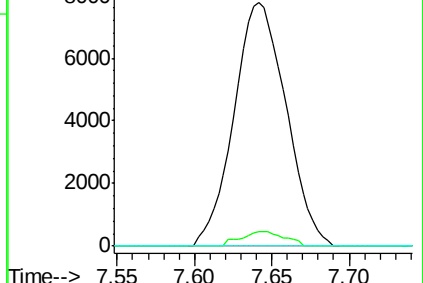
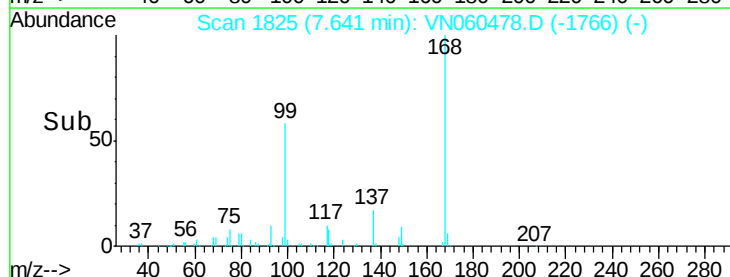
121 0.0 24.5 36.7#

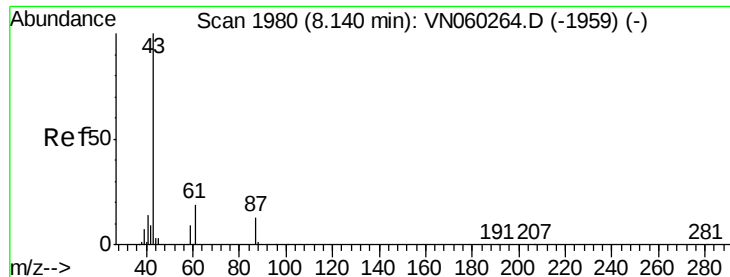


Abundance Ion 116.80 (116.50 to 117.50): VN060478.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060478.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060478.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 13.14 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB127467ZHE#15

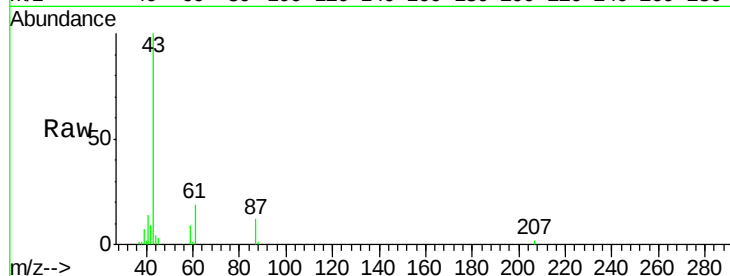
Tgt Ion: 43 Resp: 66510

Ion Ratio Lower Upper

43 100

61 18.8 20.9 31.3#

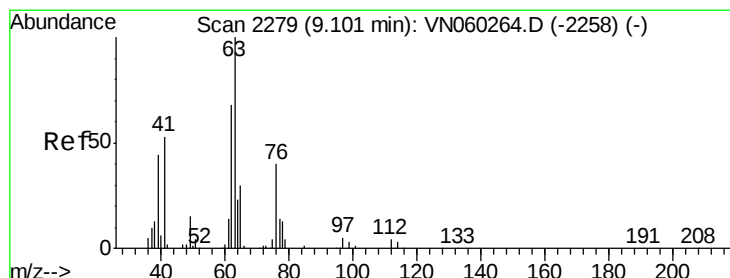
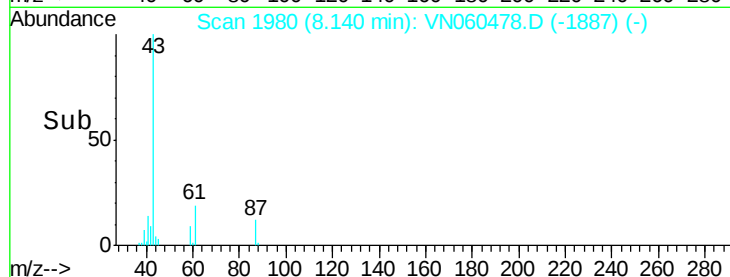
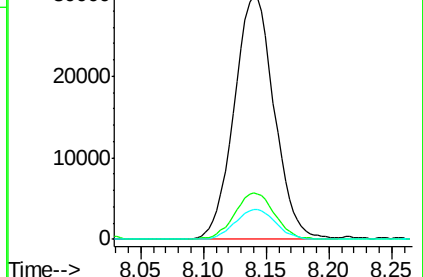
87 12.2 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060478.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060478.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060478.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.55 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060478.D

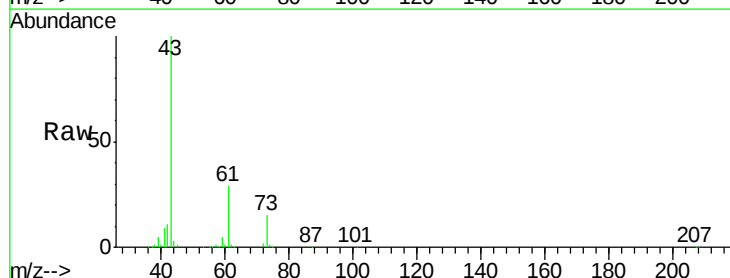
Acq: 12 Mar 2020 14:48

Tgt Ion: 63 Resp: 1277

Ion Ratio Lower Upper

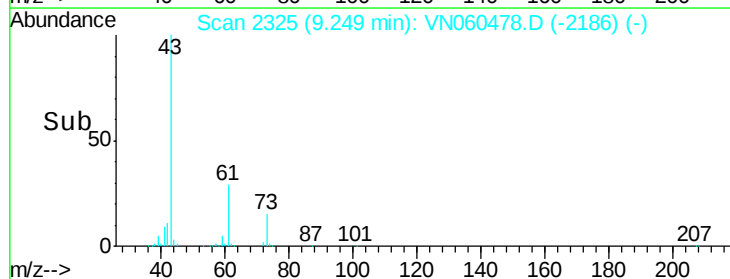
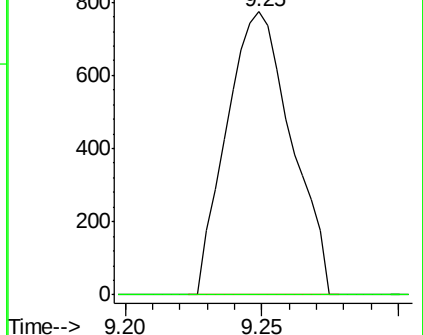
63 100

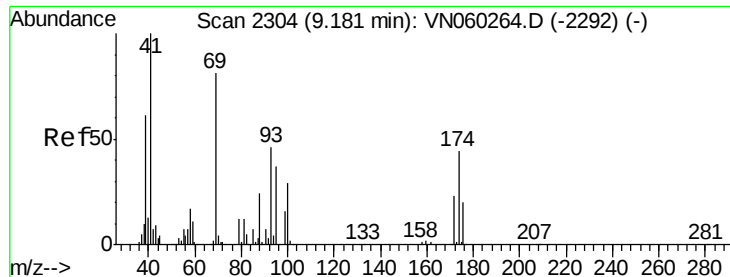
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060478.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060478.D (-2186) (-)

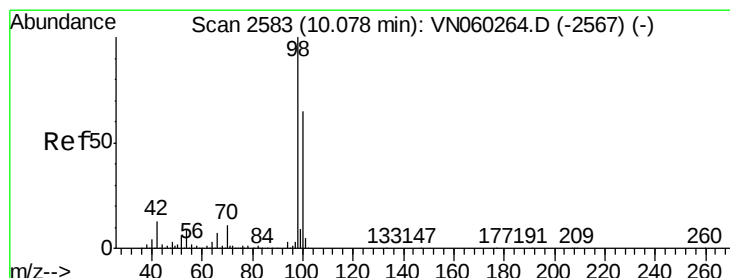
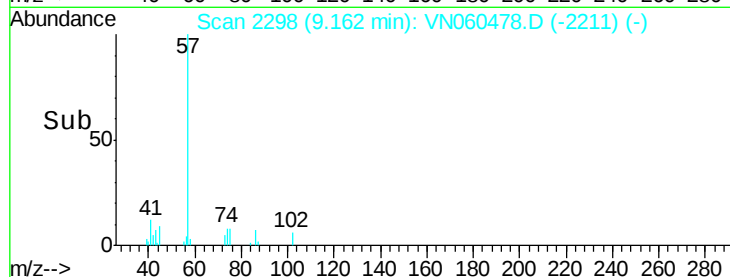
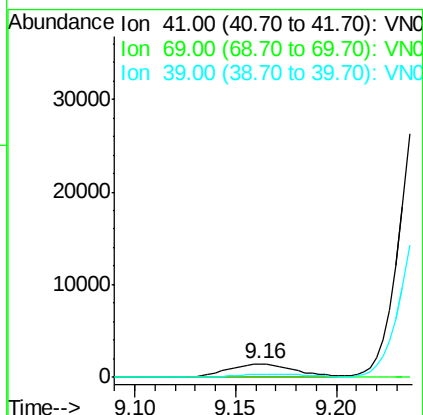
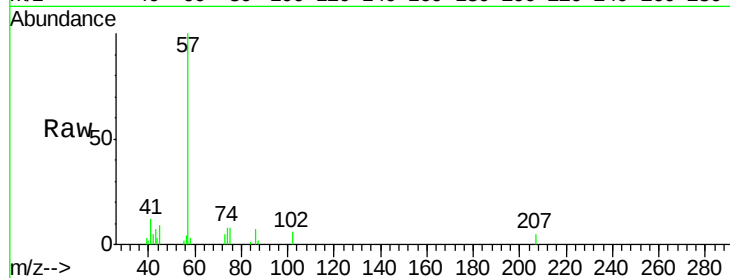




#48
Methyl methacrylate
Concen: 1.44 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060478.D
Acq: 12 Mar 2020 14:48

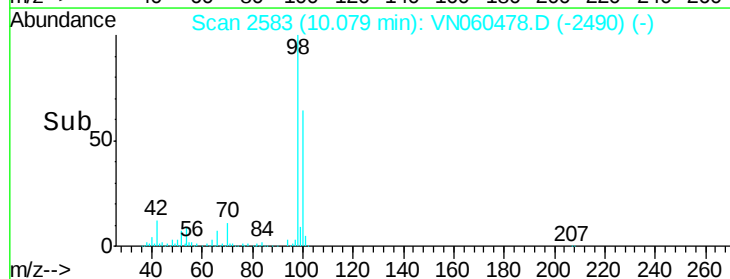
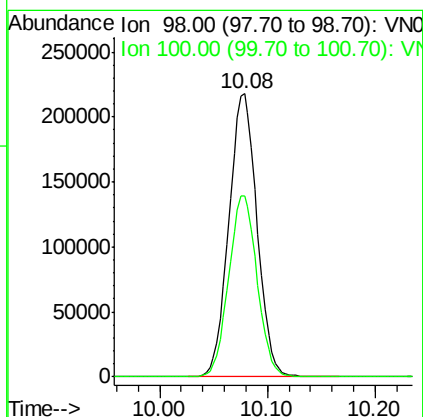
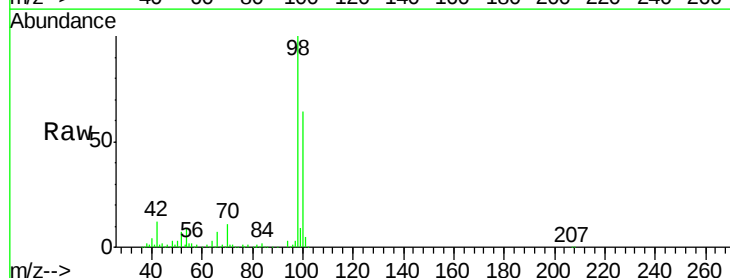
Instrument :
MSVOA_N
ClientSampleId :
PB127467ZHE#15

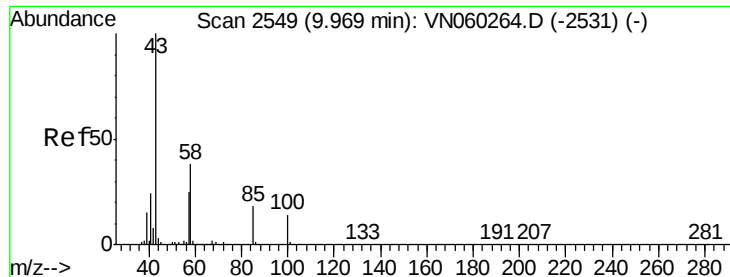
Tgt Ion: 41 Resp: 3329
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#



#50
Toluene-d8
Concen: 52.61 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060478.D
Acq: 12 Mar 2020 14:48

Tgt Ion: 98 Resp: 396114
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 2.04 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

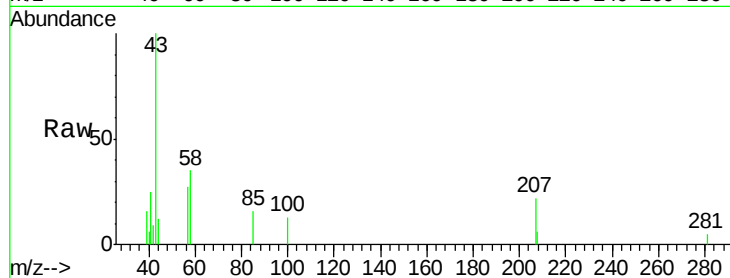
PB127467ZHE#15

Tgt Ion: 43 Resp: 5861

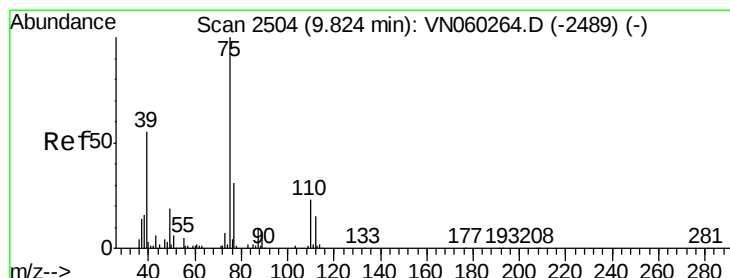
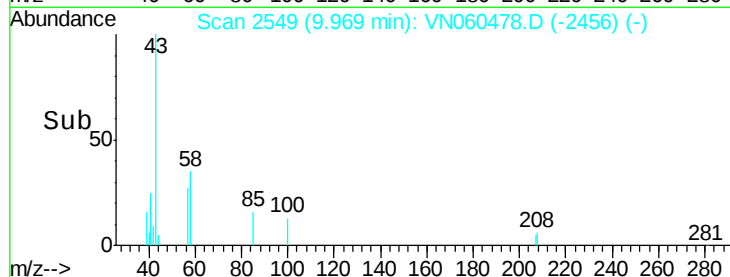
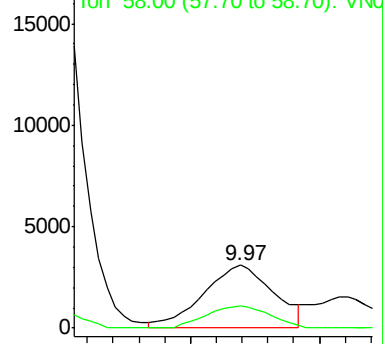
Ion Ratio Lower Upper

43 100

58 32.2 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060478.D (-2456) (-)



#54

cis-1,3-Dichloropropene

Concen: 7.17 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

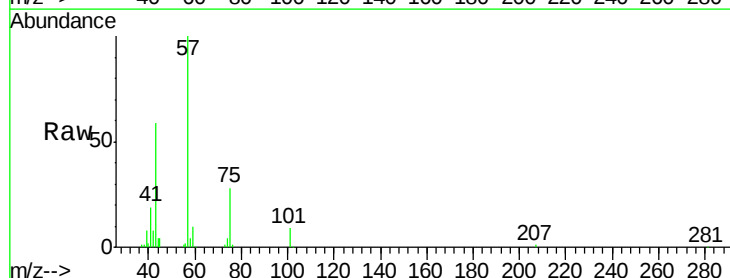
Tgt Ion: 75 Resp: 27916

Ion Ratio Lower Upper

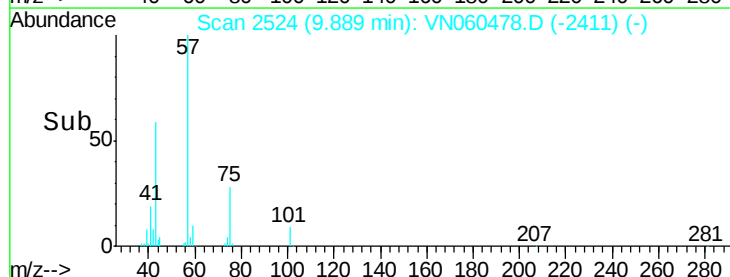
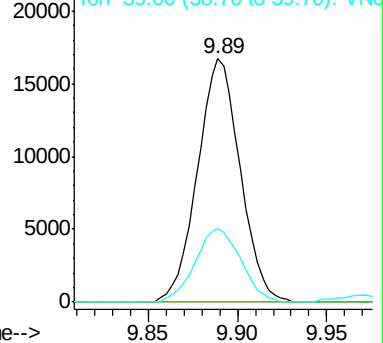
75 100

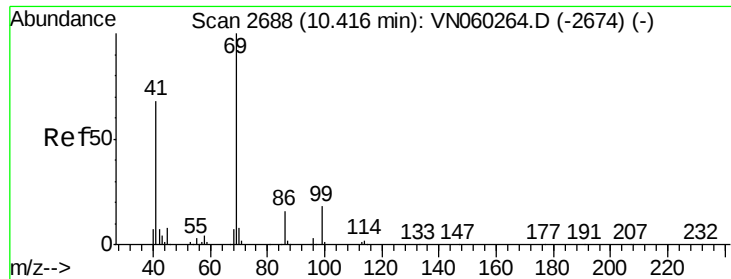
77 0.0 24.8 37.2#

39 30.0 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VN060478.D (-2411) (-)





#56

Ethyl methacrylate

Concen: 0.21 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.12 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB127467ZHE#15

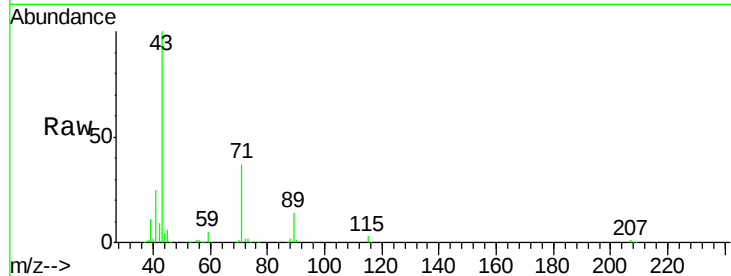
Tgt Ion: 69 Resp: 690

Ion Ratio Lower Upper

69 100

41 8778.7 54.1 81.1#

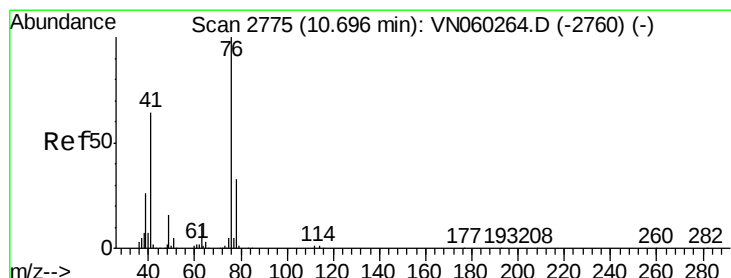
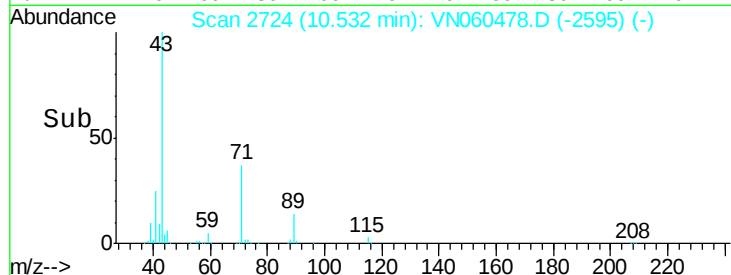
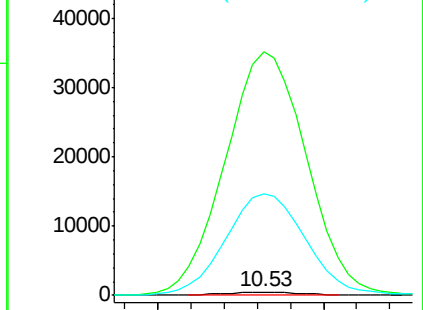
39 3581.7 32.5 48.7#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.25 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060478.D

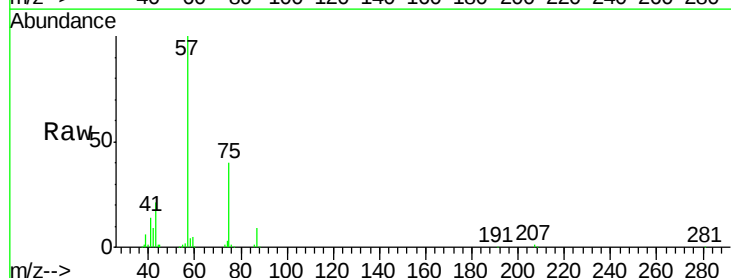
Acq: 12 Mar 2020 14:48

Tgt Ion: 76 Resp: 4573

Ion Ratio Lower Upper

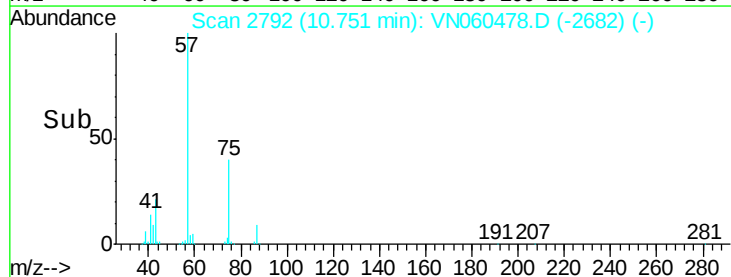
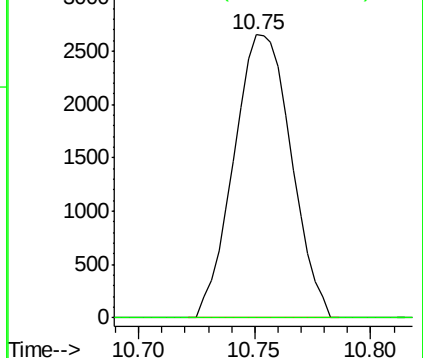
76 100

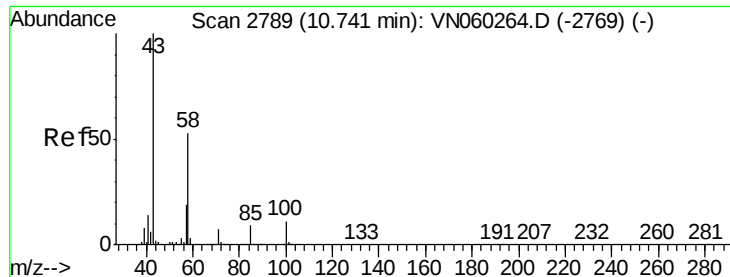
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 32.36 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

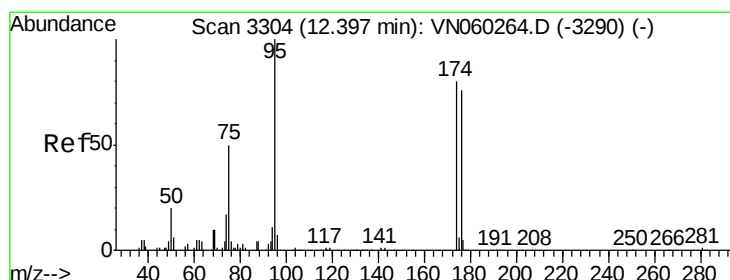
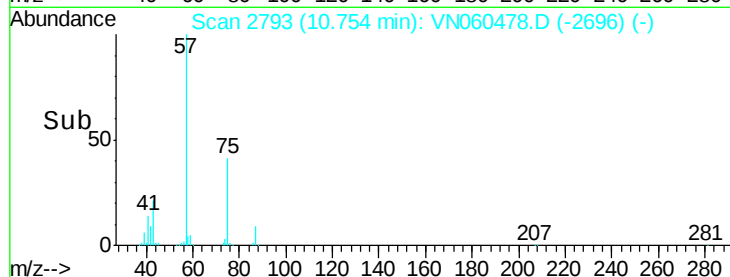
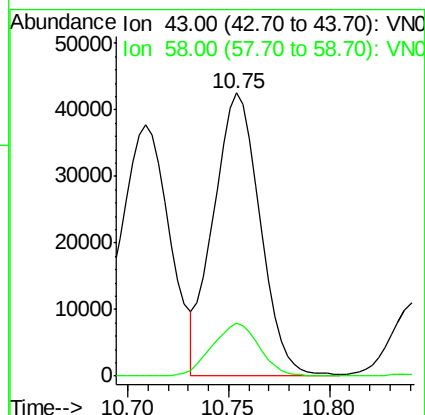
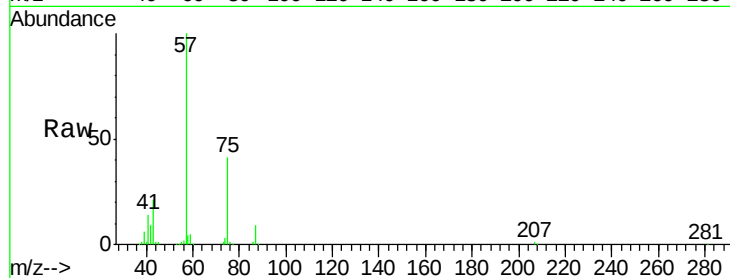
PB127467ZHE#15

Tgt Ion: 43 Resp: 68221

Ion Ratio Lower Upper

43 100

58 19.0 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 52.26 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

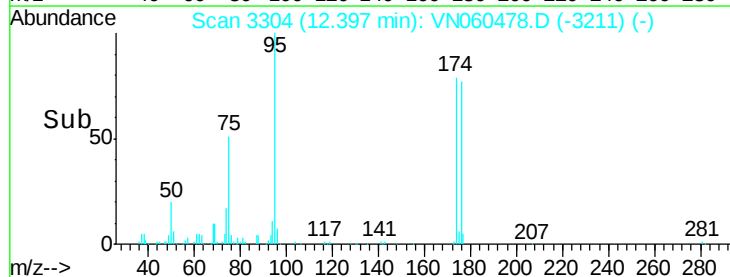
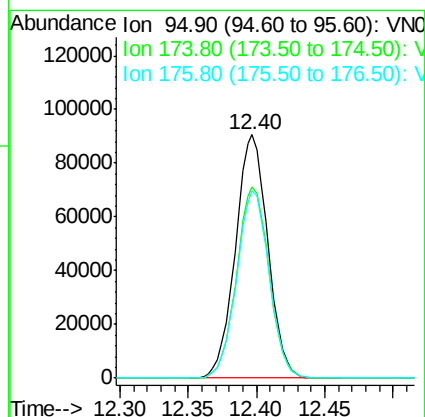
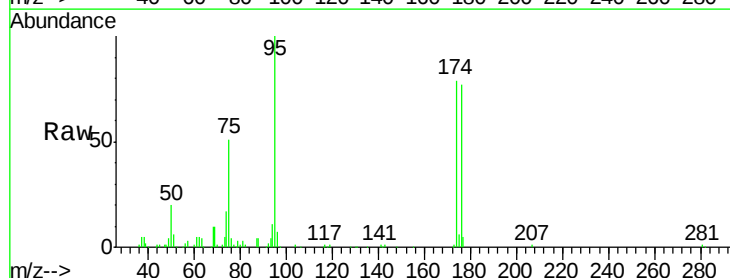
Tgt Ion: 95 Resp: 149157

Ion Ratio Lower Upper

95 100

174 79.0 0.0 159.2

176 77.3 0.0 153.8

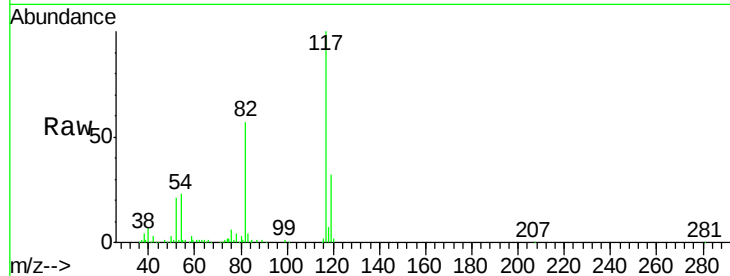




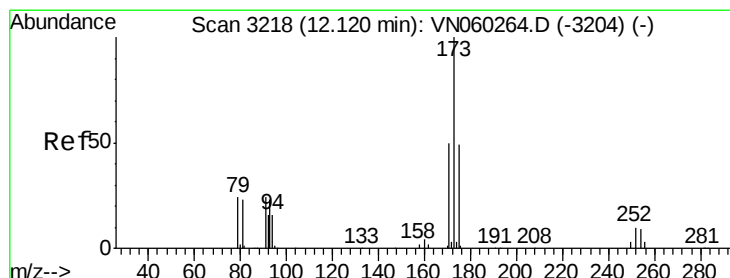
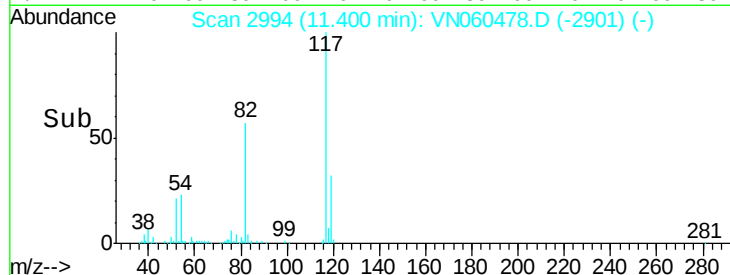
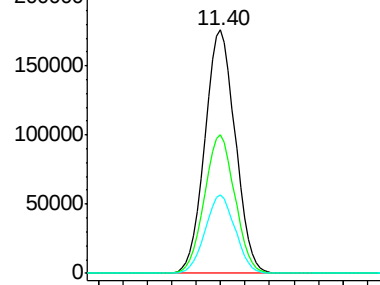
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060478.D
Acq: 12 Mar 2020 14:48

Instrument :
MSVOA_N
ClientSampleId :
PB127467ZHE#15

Tgt Ion:117 Resp: 304410
Ion Ratio Lower Upper
117 100
82 56.8 45.8 68.6
119 32.4 25.8 38.8

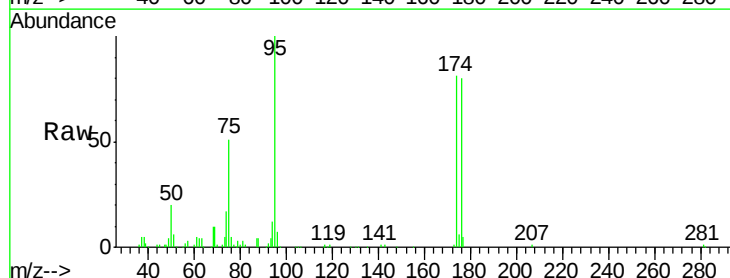


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

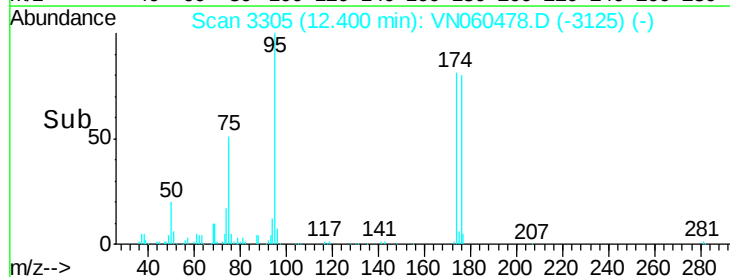
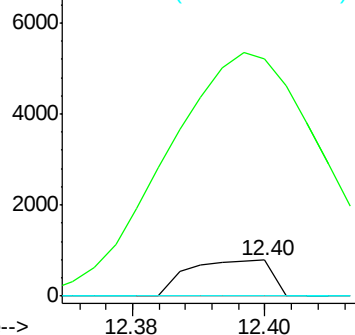


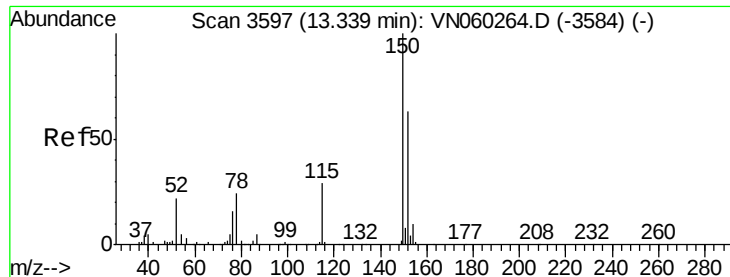
#71
Bromoform
Concen: 0.42 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060478.D
Acq: 12 Mar 2020 14:48

Tgt Ion:173 Resp: 684
Ion Ratio Lower Upper
173 100
175 1100.1 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: VN060478.D

Acq: 12 Mar 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB127467ZHE#15

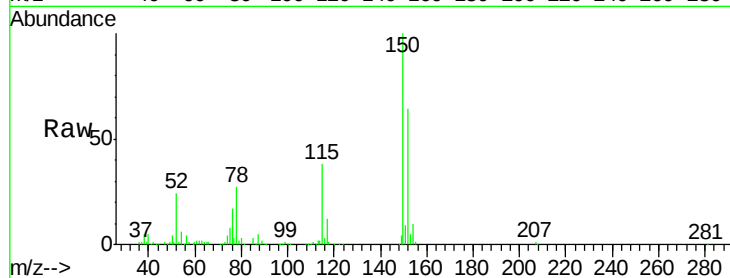
Tgt Ion: 152 Resp: 142227

Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.0

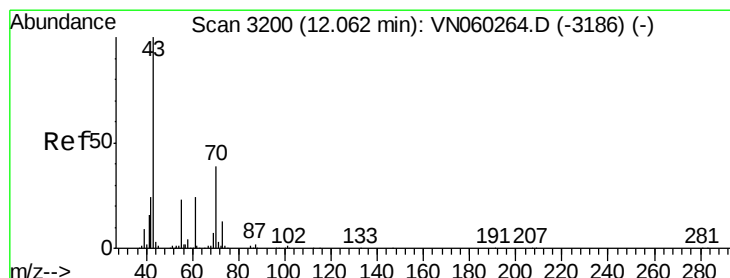
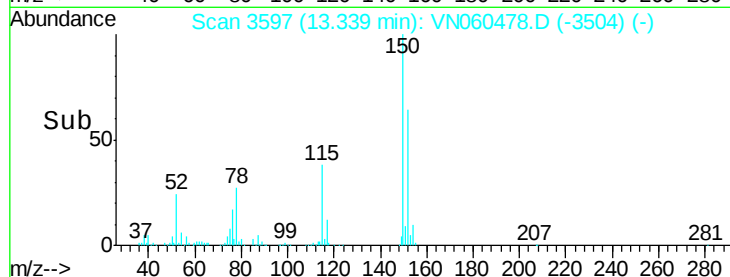
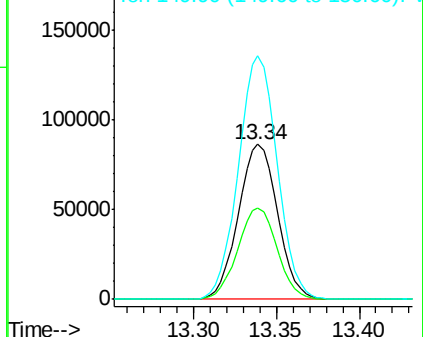
150 155.7 0.0 349.6



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: 0.92 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

Tgt Ion: 43 Resp: 4236

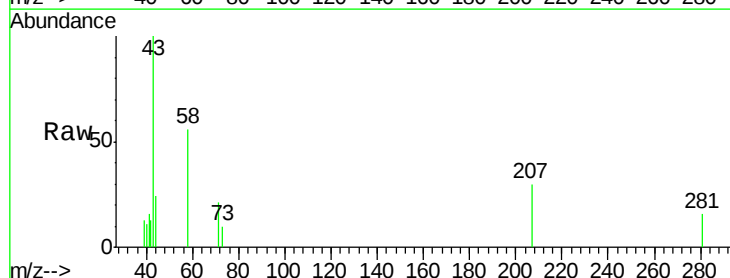
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

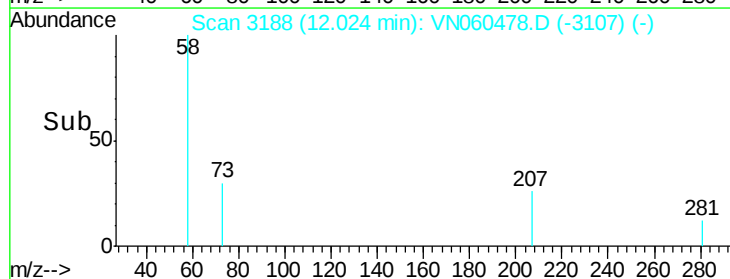
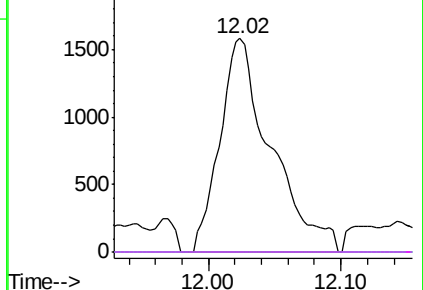


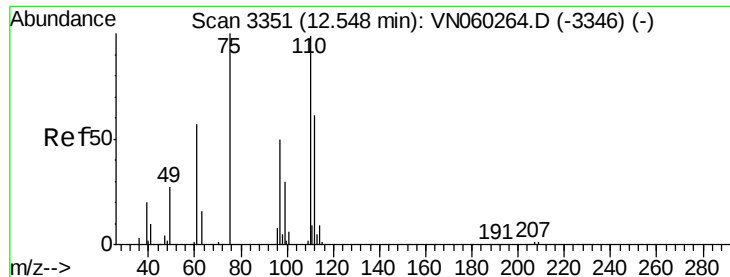
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.57 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

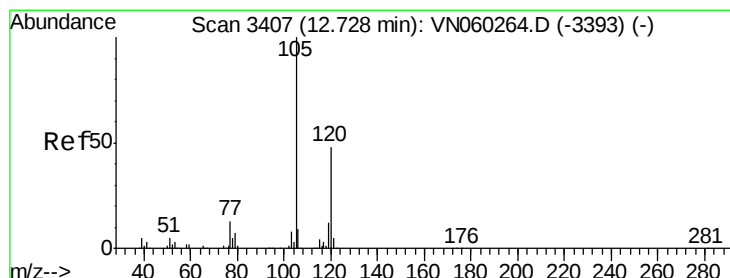
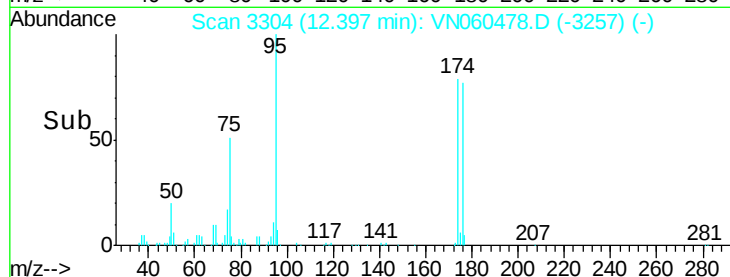
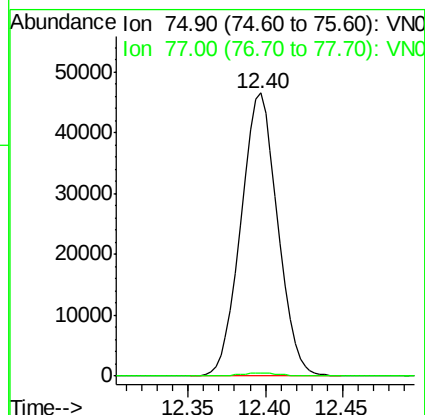
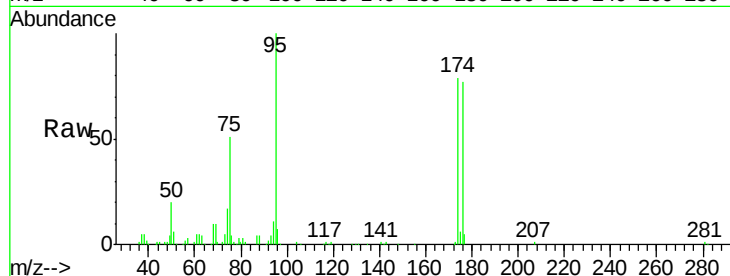
PB127467ZHE#15

Tgt Ion: 75 Resp: 76677

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.42 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060478.D

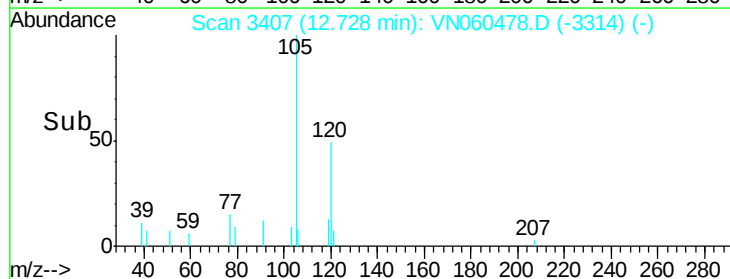
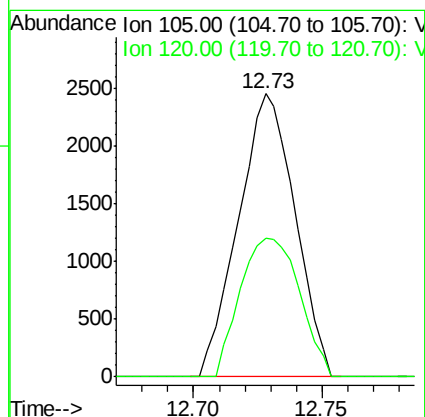
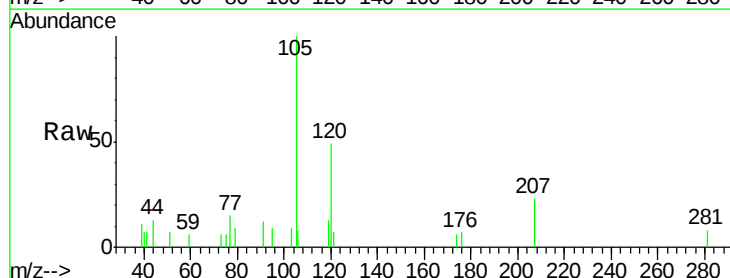
Acq: 12 Mar 2020 14:48

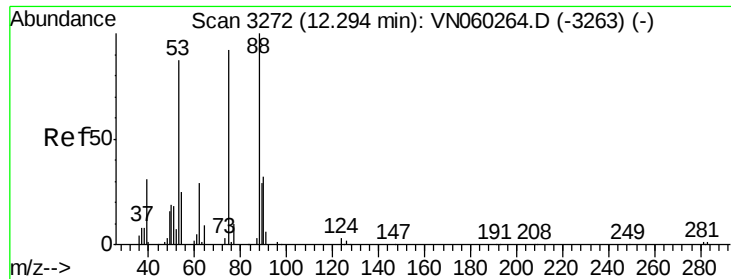
Tgt Ion: 105 Resp: 3757

Ion Ratio Lower Upper

105 100

120 51.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 67.83 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB127467ZHE#15

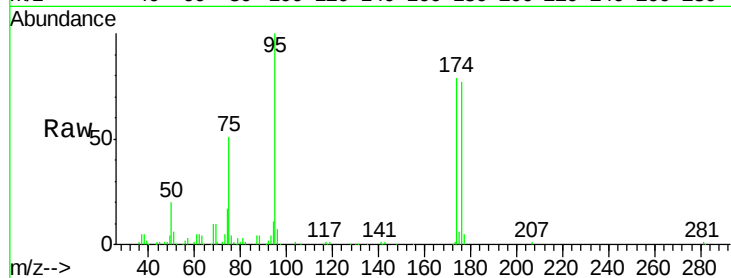
Tgt Ion: 75 Resp: 76677

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#

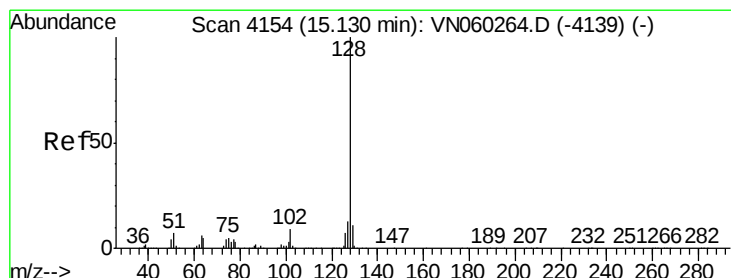
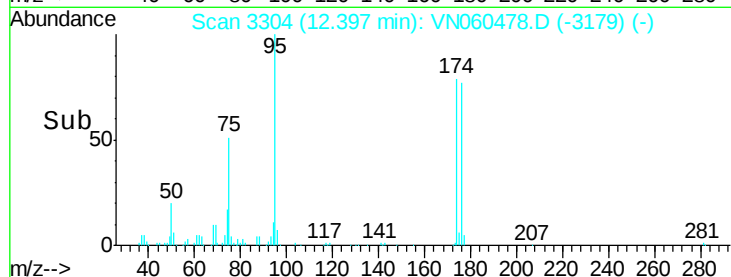


Abundance Ion 74.90 (74.60 to 75.60): VN060478.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060478.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060478.D (-3179) (-)

Time-->



#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060478.D

Acq: 12 Mar 2020 14:48

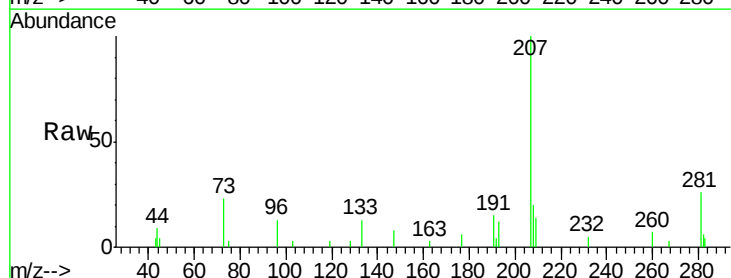
Tgt Ion: 128 Resp: 138

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN060478.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN060478.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN060478.D (-4060) (-)

Time-->

