

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060415.D
 Acq On : 10 Mar 2020 14:38
 Operator : JC/MD
 Sample : L1857-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PW-1

Quant Time: Mar 11 06:40:51 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

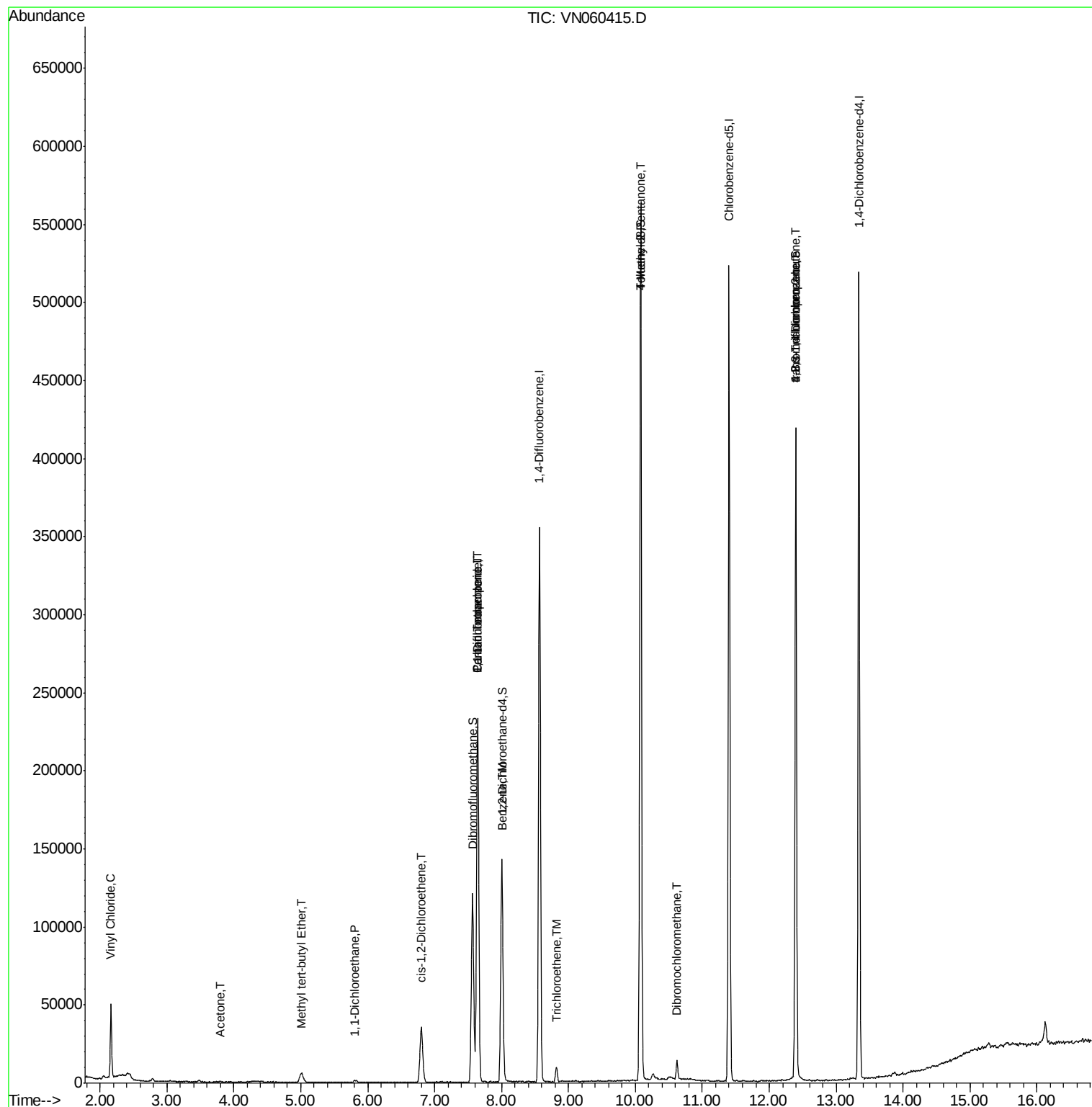
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	311320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134392	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	125357	50.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.74%	
35) Dibromofluoromethane	7.57	113	92433	63.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.94%	
50) Toluene-d8	10.08	98	386096	52.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.40	95	142805	51.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.02%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.16	62	38603	14.680	ug/l	98
16) Acetone	3.79	43	460	0.578	ug/l #	44
19) Methyl tert-butyl Ether	5.00	73	4632	0.691	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	475	Below Cal		87
24) 1,1-Dichloroethane	5.80	63	924	0.237	ug/l #	84
27) cis-1,2-Dichloroethene	6.80	96	24731	9.758	ug/l	87
36) 1,1-Dichloropropene	7.64	75	14915	5.027	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18149	6.283	ug/l #	16
40) Benzene	8.02	78	1751	0.203	ug/l	97
44) Trichloroethene	8.82	130	3688	1.533	ug/l	89
51) 4-Methyl-2-Pentanone	10.08	43	1793	0.643	ug/l #	1
60) Dibromochloromethane	10.62	129	2580	1.163	ug/l #	10
64) Tetrachloroethene	10.62	164	2679	Below Cal		99
76) 1,2,3-Trichloropropane	12.40	75	74206	25.167	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	74206	69.472	ug/l #	8
87) 1,3-Dichlorobenzene	13.27	146	61	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.35	146	171	Below Cal	#	1
95) Naphthalene	15.13	128	254	Below Cal	#	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060415.D

Acq: 10 Mar 2020 14:38

Instrument :

MSVOA_N

ClientSampled :

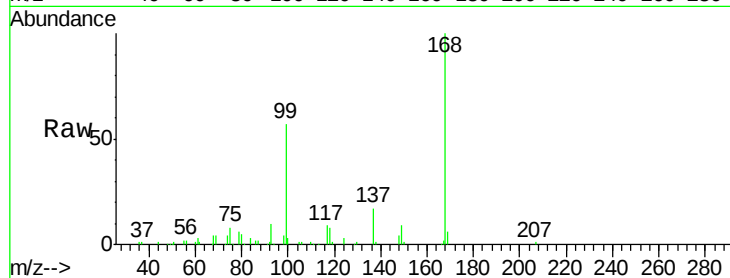
PW-1

Tgt Ion:168 Resp: 192083

Ion Ratio Lower Upper

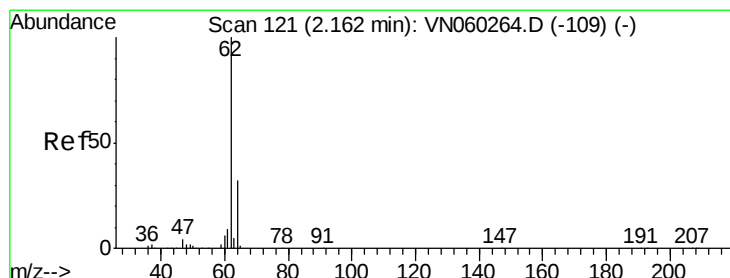
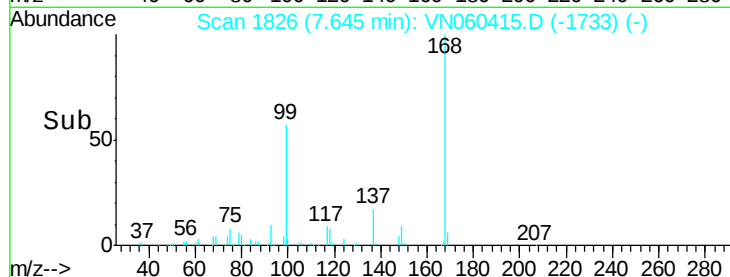
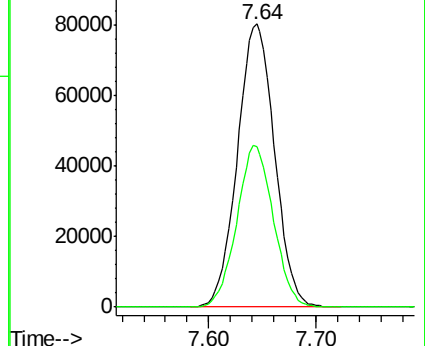
168 100

99 56.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Vinyl Chloride

Concen: 14.680 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060415.D

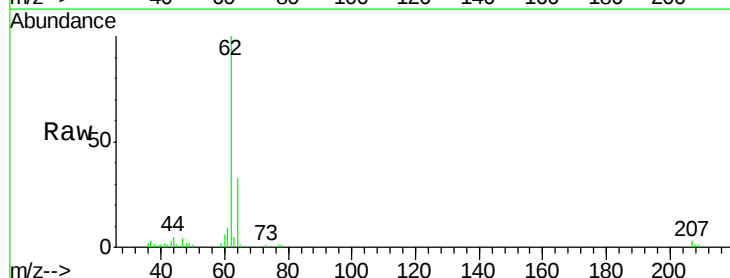
Acq: 10 Mar 2020 14:38

Tgt Ion: 62 Resp: 38603

Ion Ratio Lower Upper

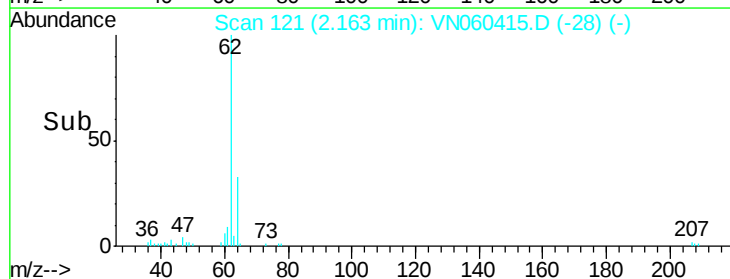
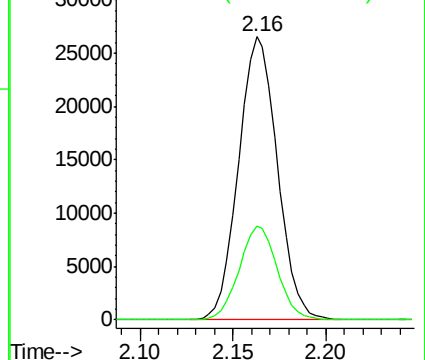
62 100

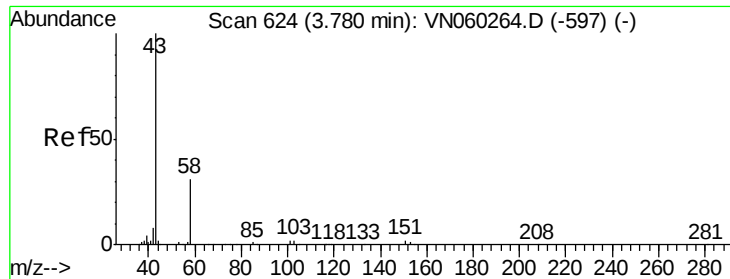
64 33.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#16

Acetone

Concen: 0.578 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060415.D

Acq: 10 Mar 2020 14:38

Instrument :

MSVOA_N

ClientSampled :

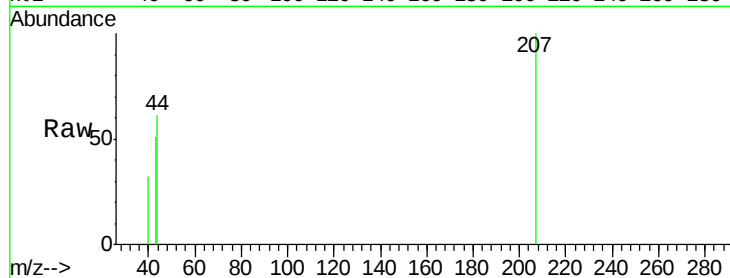
PW-1

Tgt Ion: 43 Resp: 460

Ion Ratio Lower Upper

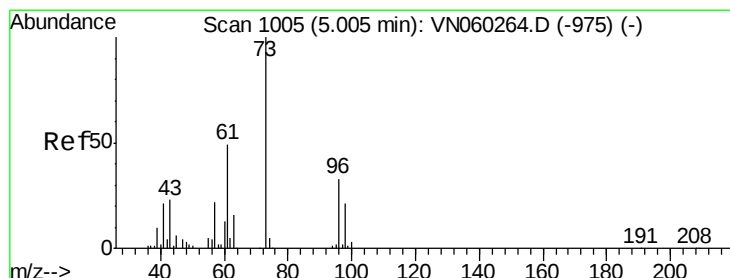
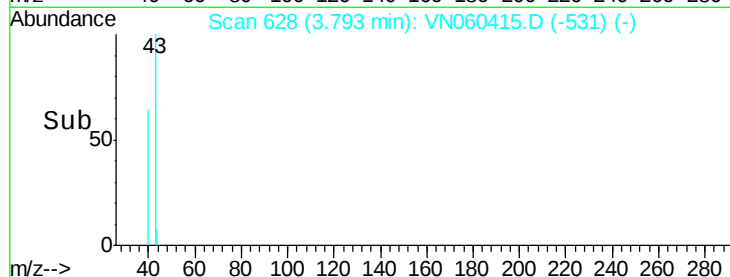
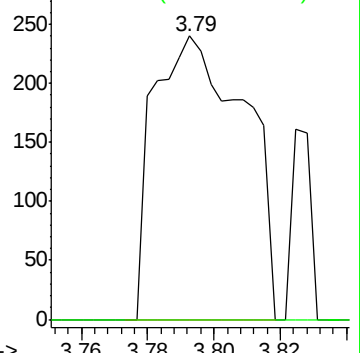
43 100

58 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#19

Methyl tert-butyl Ether

Concen: 0.691 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VN060415.D

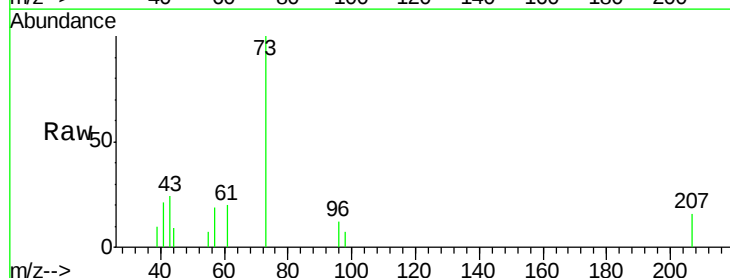
Acq: 10 Mar 2020 14:38

Tgt Ion: 73 Resp: 4632

Ion Ratio Lower Upper

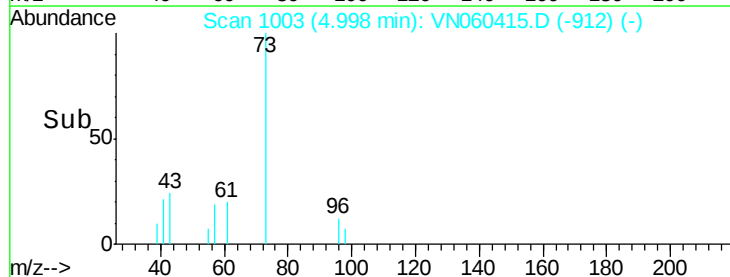
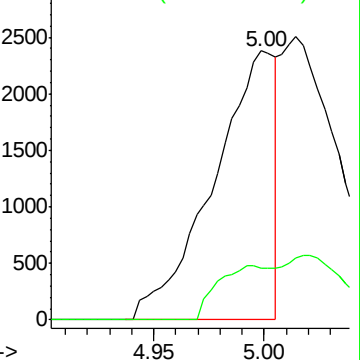
73 100

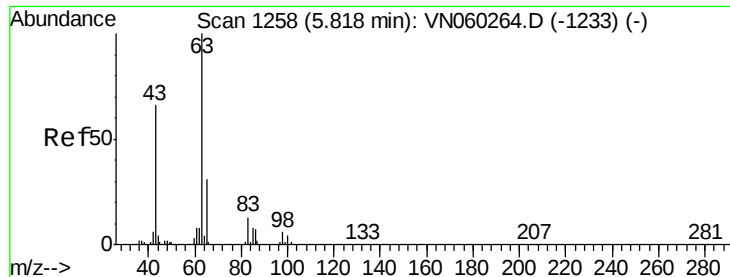
57 19.4 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#24

1,1-Dichloroethane

Concen: 0.237 ug/l

RT: 5.80 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VN060415.D

Acq: 10 Mar 2020 14:38

Instrument :

MSVOA_N

ClientSampled :

PW-1

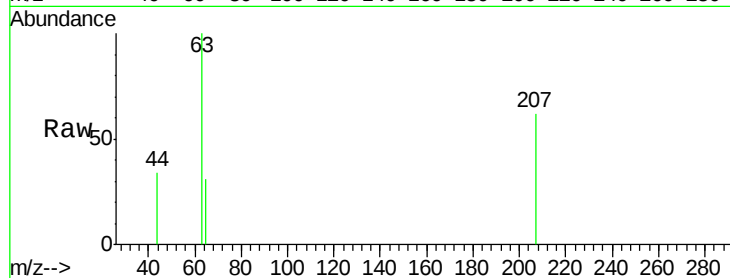
Tgt Ion: 63 Resp: 924

Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.0#

100 0.0 2.0 6.0#

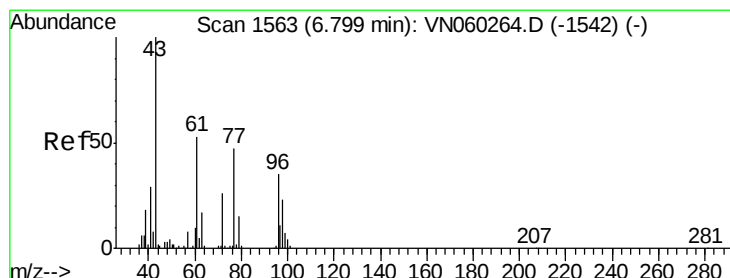
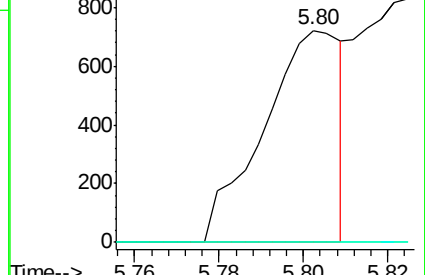
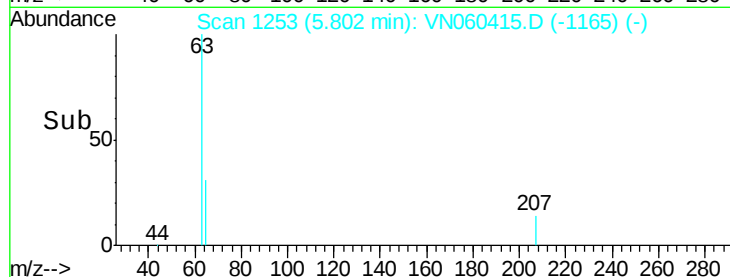


Abundance Ion 62.90 (62.60 to 63.60): VN060415.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060415.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060415.D (-1165) (-)

Time-->



#27

cis-1,2-Dichloroethene

Concen: 9.758 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060415.D

Acq: 10 Mar 2020 14:38

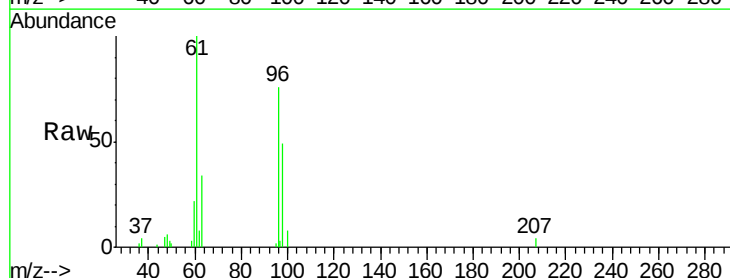
Tgt Ion: 96 Resp: 24731

Ion Ratio Lower Upper

96 100

61 128.0 0.0 300.8

98 62.2 0.0 128.2

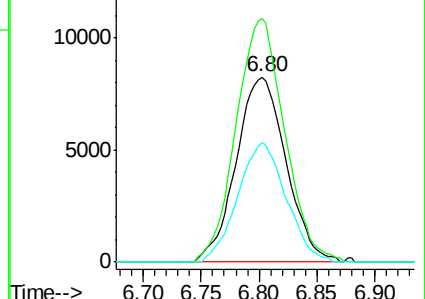
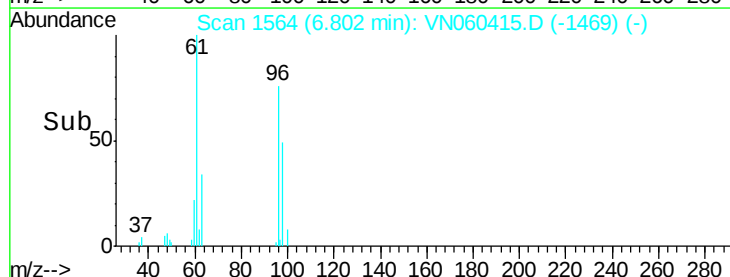


Abundance Ion 95.90 (95.60 to 96.60): VN060415.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN060415.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN060415.D (-1469) (-)

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.866 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060415.D

Acq: 10 Mar 2020 14:38

Instrument :

MSVOA_N

ClientSampleId :

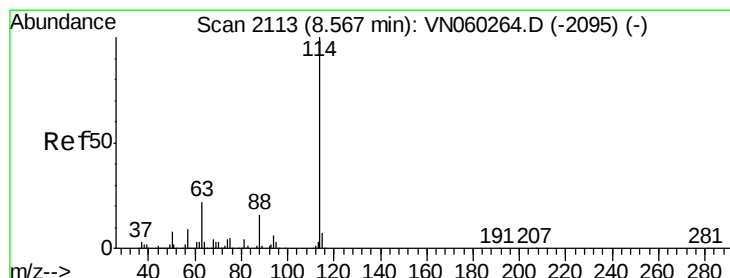
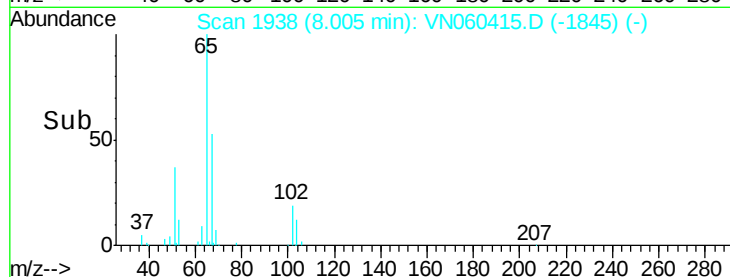
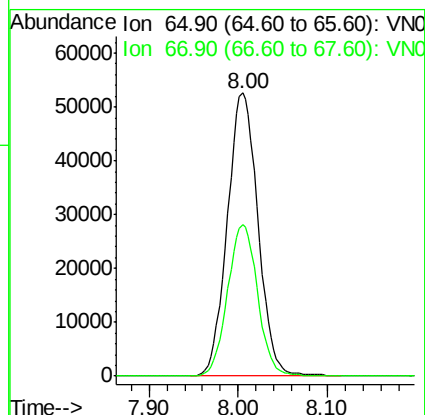
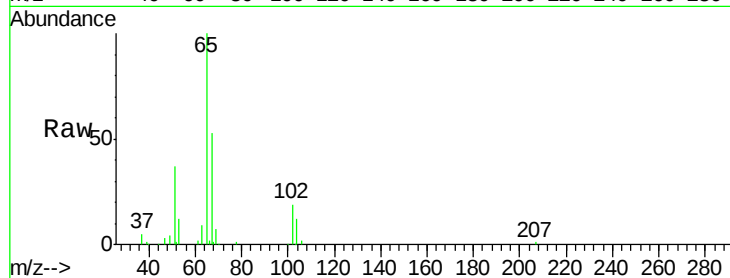
PW-1

Tgt Ion: 65 Resp: 125357

Ion Ratio Lower Upper

65 100

67 52.3 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: VN060415.D

Acq: 10 Mar 2020 14:38

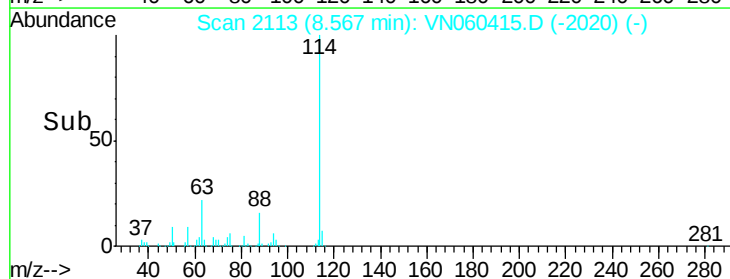
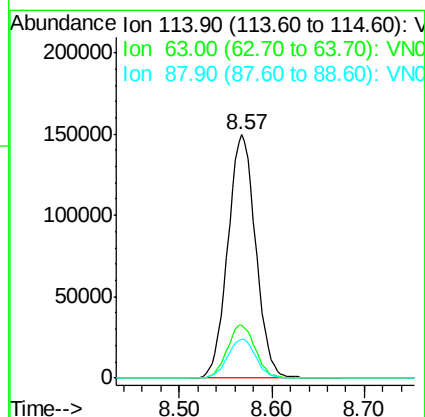
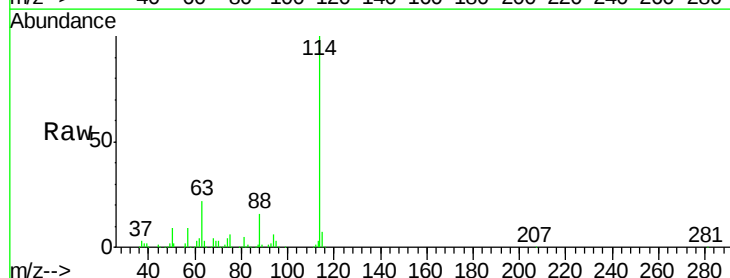
Tgt Ion: 114 Resp: 311320

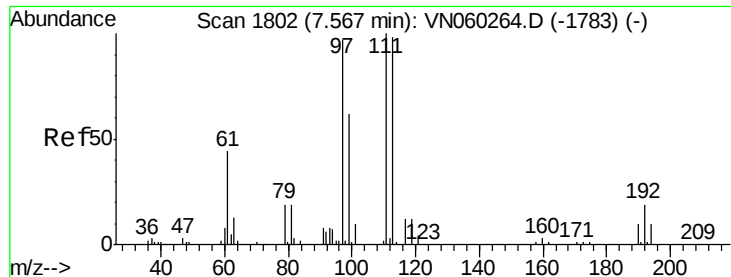
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

88 16.1 0.0 31.6

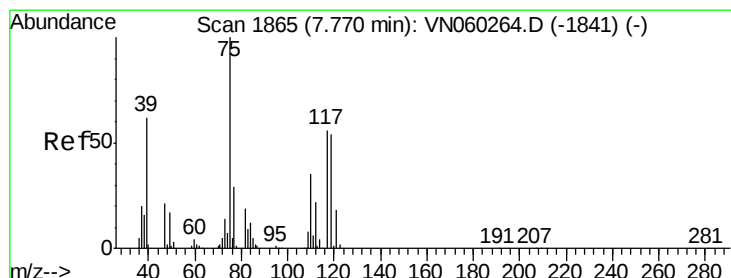
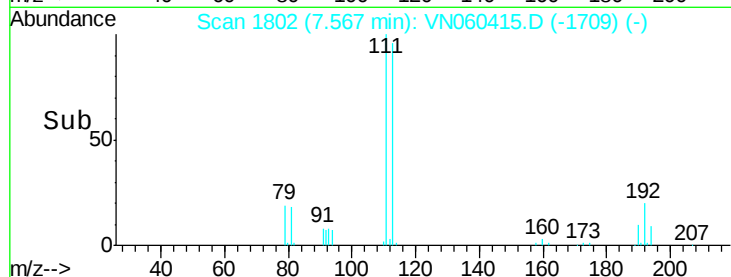
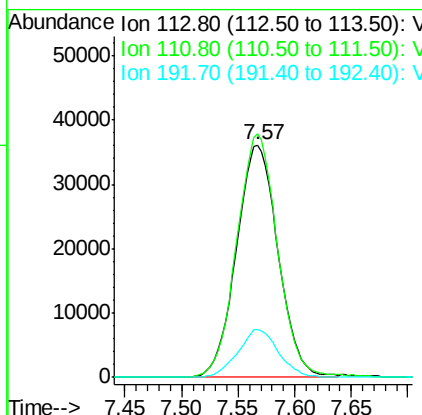
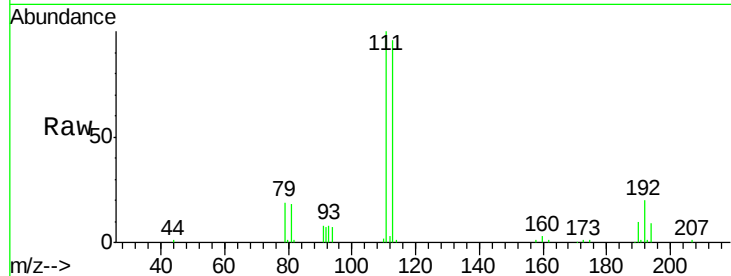




#35
 Dibromofluoromethane
 Concen: 63.965 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060415.D
 Acq: 10 Mar 2020 14:38

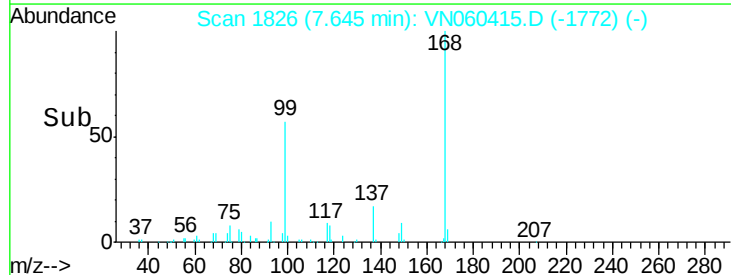
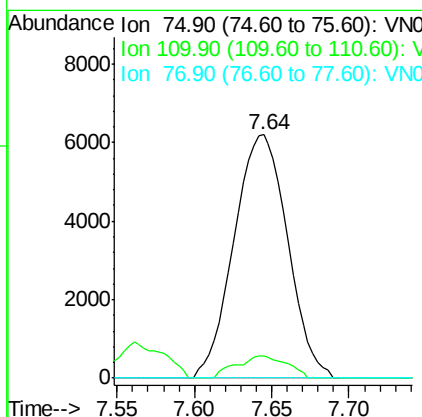
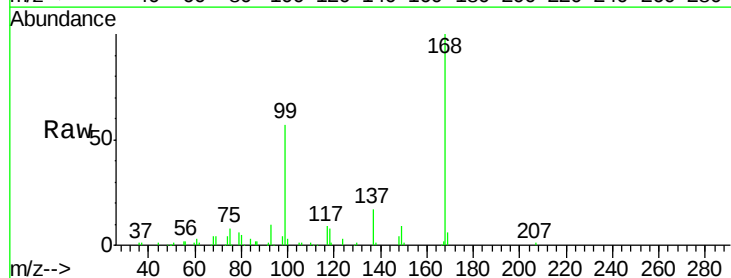
Instrument :
 MSVOA_N
 ClientSampleId :
 PW-1

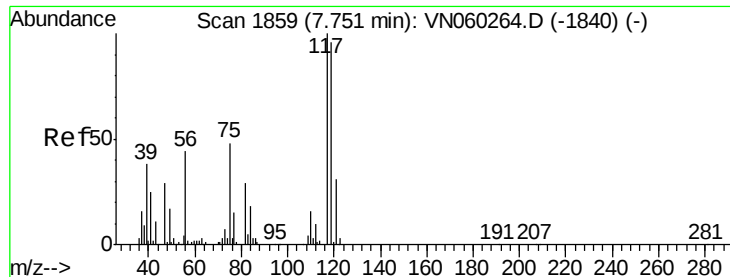
Tgt Ion:113 Resp: 92433
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.4 123.6
 192 20.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.027 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060415.D
 Acq: 10 Mar 2020 14:38

Tgt Ion: 75 Resp: 14915
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.3 52.0#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.283 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060415.D

Acq: 10 Mar 2020 14:38

Instrument :

MSVOA_N

ClientSampled :

PW-1

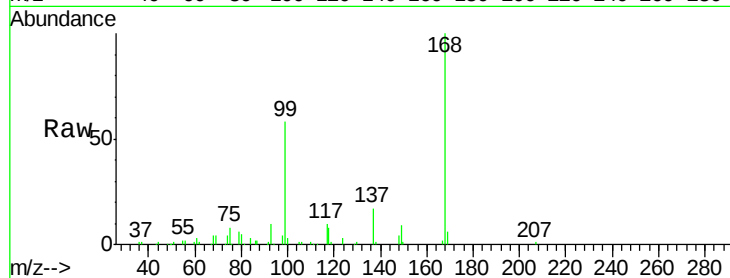
Tgt Ion:117 Resp: 18149

Ion Ratio Lower Upper

117 100

119 5.3 76.7 115.1#

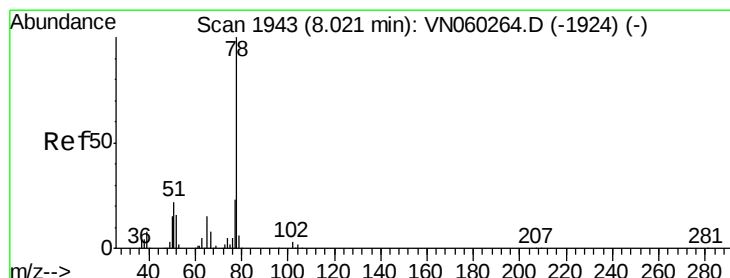
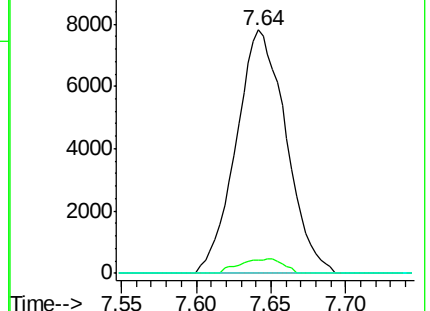
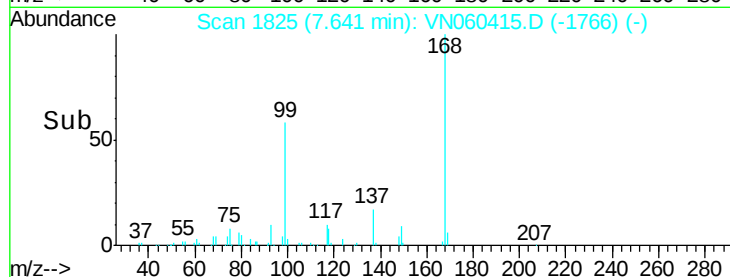
121 0.0 24.5 36.7#



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



#40

Benzene

Concen: 0.203 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN060415.D

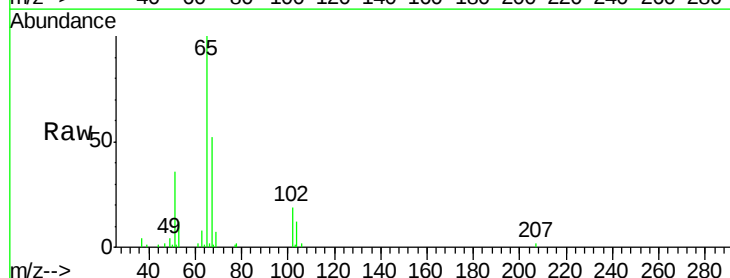
Acq: 10 Mar 2020 14:38

Tgt Ion: 78 Resp: 1751

Ion Ratio Lower Upper

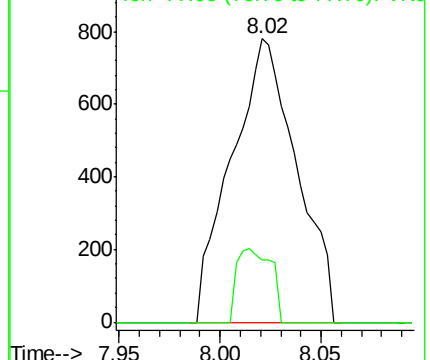
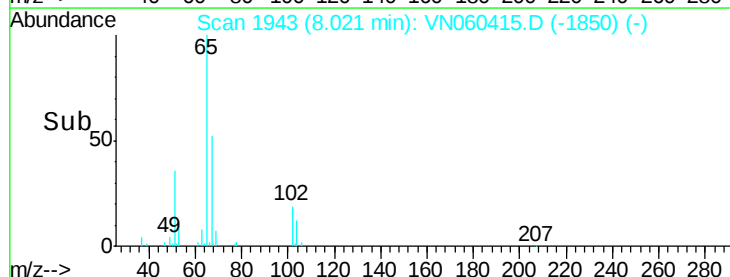
78 100

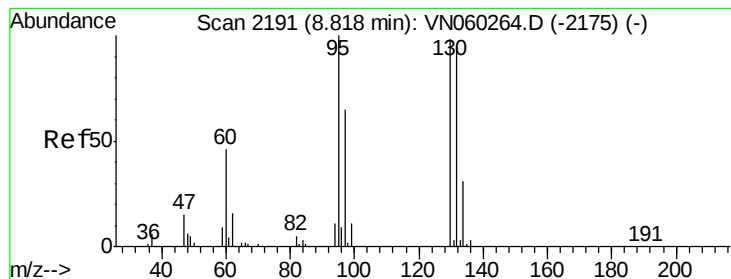
77 21.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): V

Ion 77.00 (76.70 to 77.70): V





#44

Trichloroethene

Concen: 1.533 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060415.D

Acq: 10 Mar 2020 14:38

Instrument :

MSVOA_N

ClientSampled :

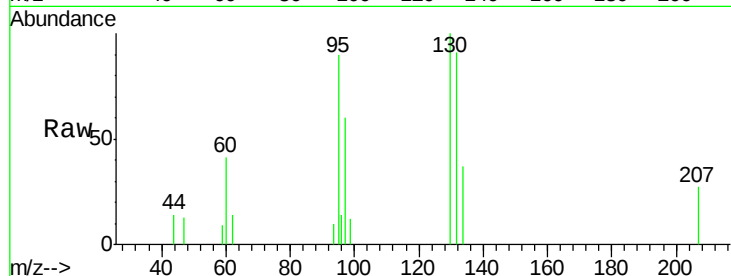
PW-1

Tgt Ion:130 Resp: 3688

Ion Ratio Lower Upper

130 100

95 90.3 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.82

2000

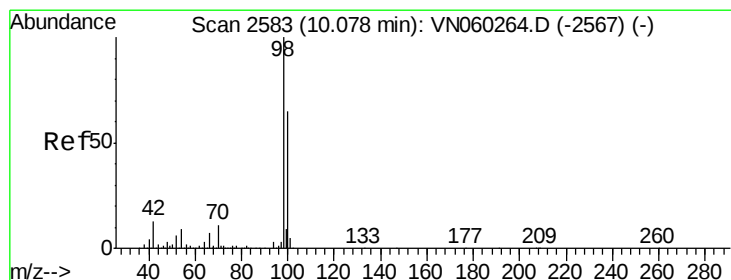
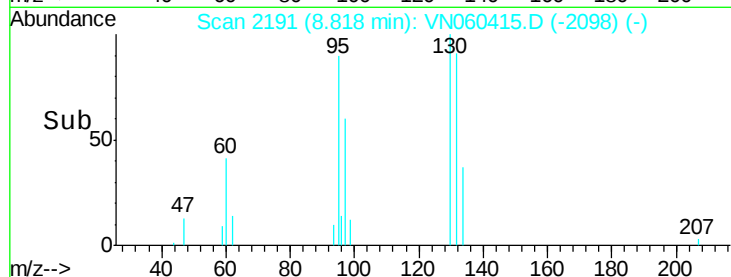
1500

1000

500

0

Time--> 8.75 8.80 8.85



#50

Toluene-d8

Concen: 52.792 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060415.D

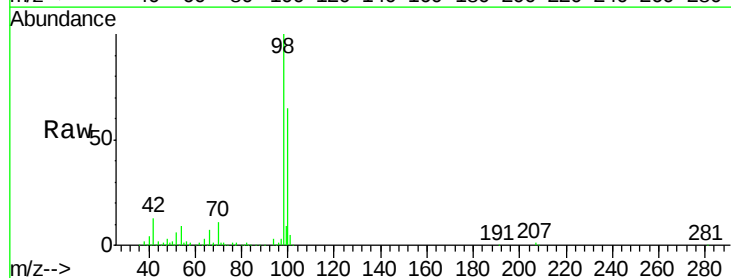
Acq: 10 Mar 2020 14:38

Tgt Ion: 98 Resp: 386096

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.08

250000

200000

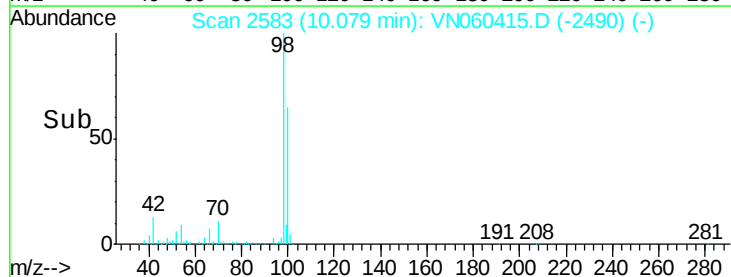
150000

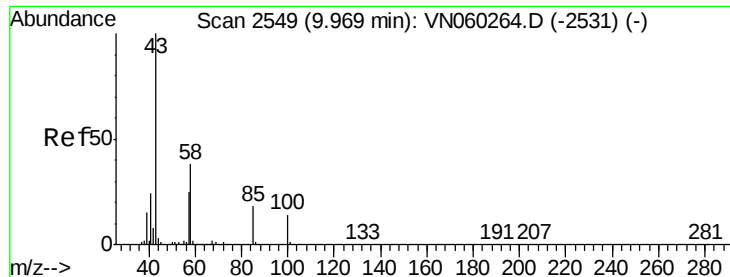
100000

50000

0

Time--> 10.00 10.10 10.20

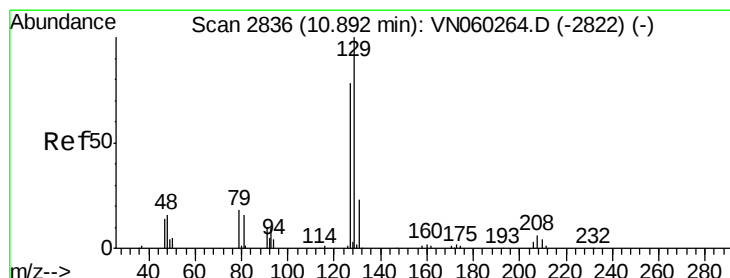
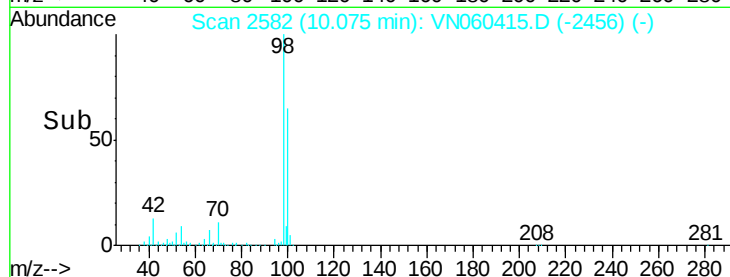
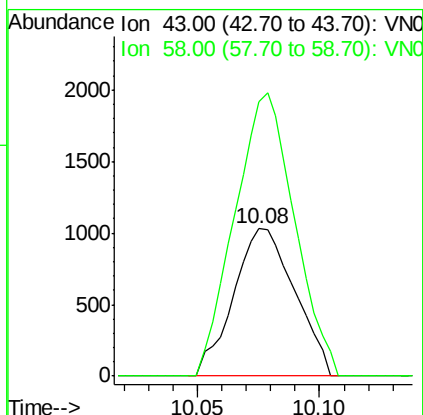
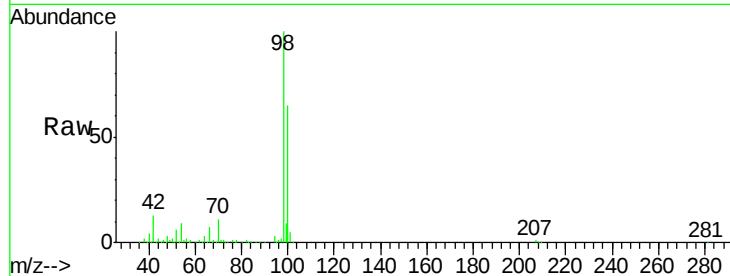




#51
 4-Methyl-2-Pentanone
 Concen: 0.643 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. 0.11 min
 Lab File: VN060415.D
 Acq: 10 Mar 2020 14:38

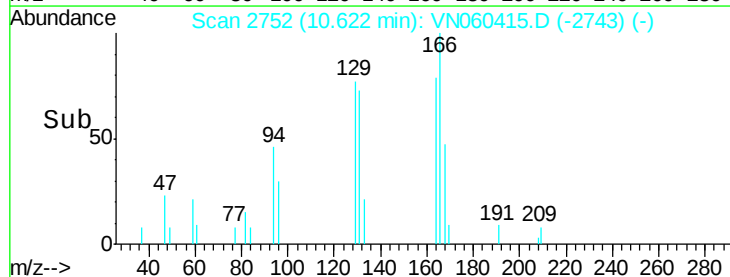
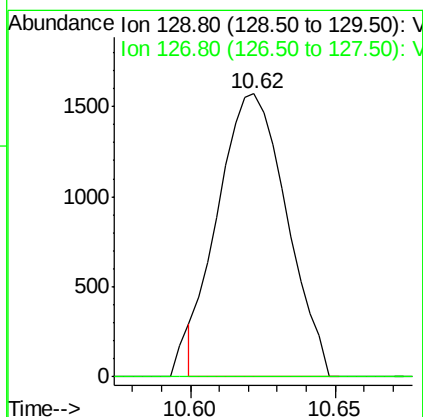
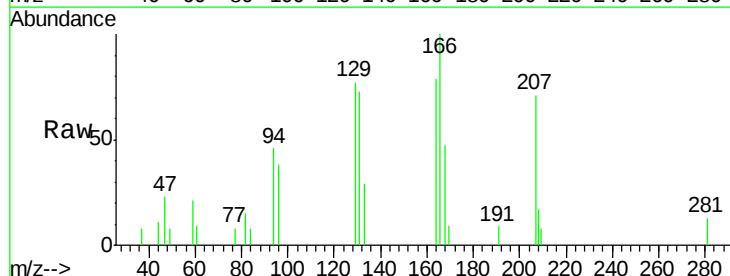
Instrument :
 MSVOA_N
 ClientSampled :
 PW-1

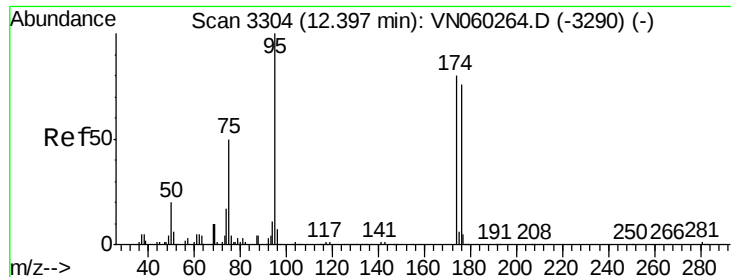
Tgt Ion: 43 Resp: 1793
 Ion Ratio Lower Upper
 43 100
 58 187.6 30.9 46.3#



#60
 Dibromochloromethane
 Concen: 1.163 ug/l
 RT: 10.62 min Scan# 2752
 Delta R.T. -0.27 min
 Lab File: VN060415.D
 Acq: 10 Mar 2020 14:38

Tgt Ion: 129 Resp: 2580
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 51.510 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060415.D

Acq: 10 Mar 2020 14:38

Instrument :

MSVOA_N

ClientSampled :

PW-1

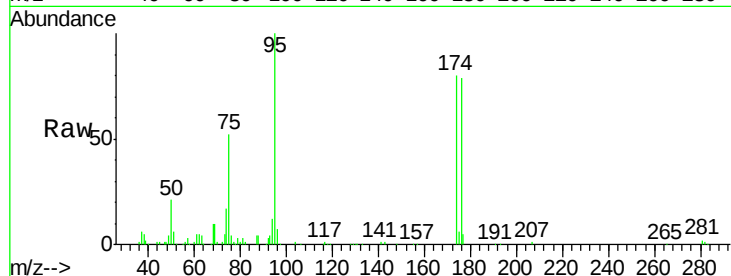
Tgt Ion: 95 Resp: 142805

Ion Ratio Lower Upper

95 100

174 79.2 0.0 159.2

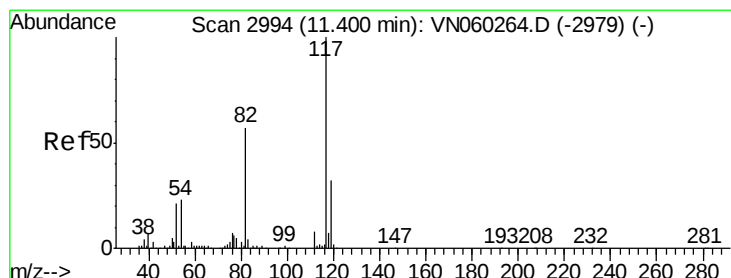
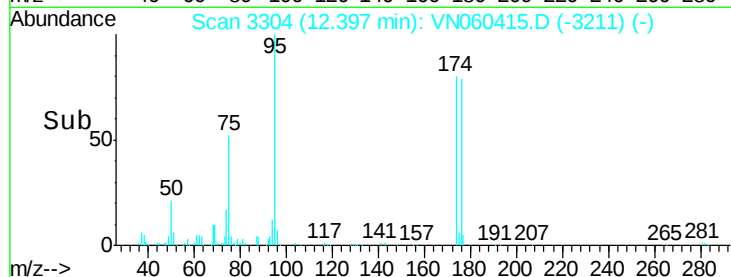
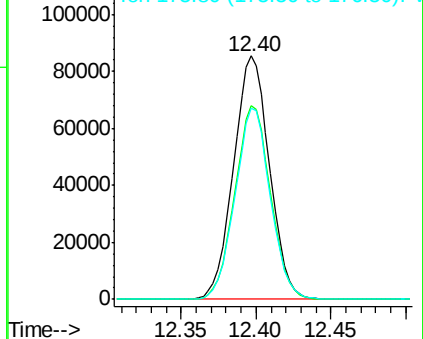
176 77.3 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060415.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060415.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060415.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060415.D

Acq: 10 Mar 2020 14:38

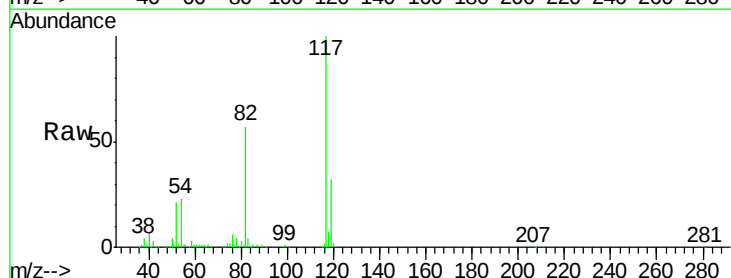
Tgt Ion: 117 Resp: 293356

Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.6

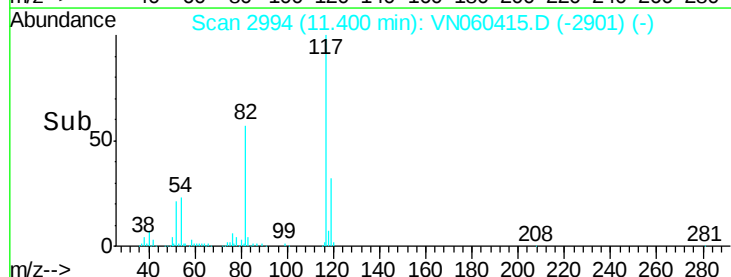
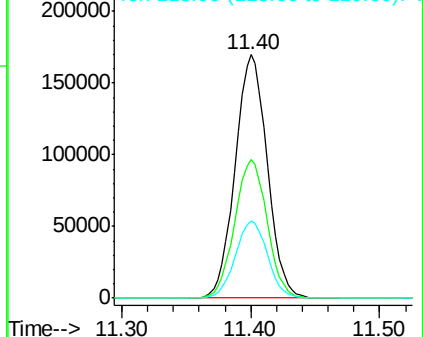
119 31.5 25.8 38.8

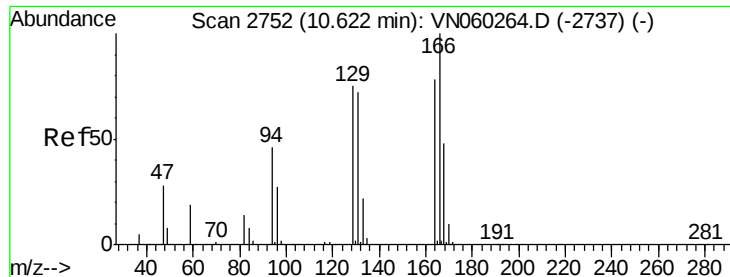


Abundance Ion 116.90 (116.60 to 117.60): VN060415.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060415.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060415.D (-2901) (-)





#64

Tetrachloroethene

Concen: Below Cal

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN060415.D

Acq: 10 Mar 2020 14:38

Instrument :

MSVOA_N

ClientSampleId :

PW-1

Tgt Ion:164 Resp: 2679

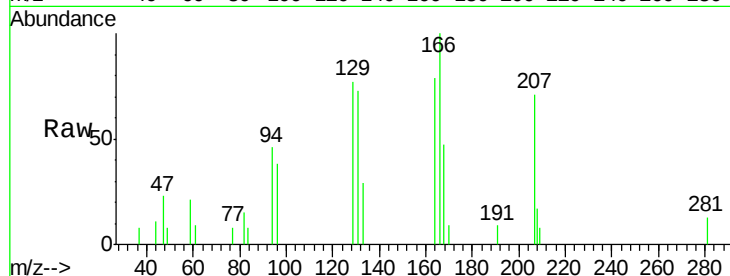
Ion Ratio Lower Upper

164 100

166 125.8 102.0 153.0

129 96.4 76.4 114.6

131 92.2 73.6 110.4

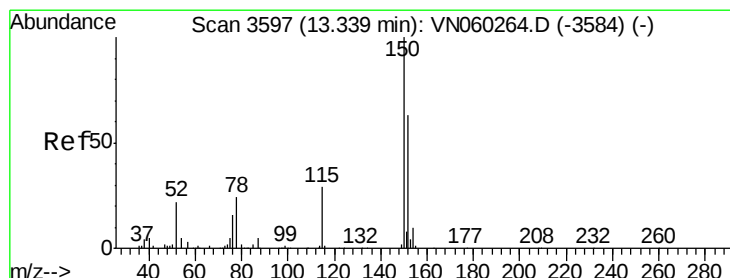
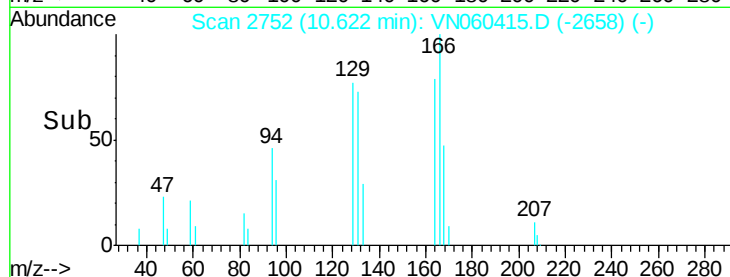
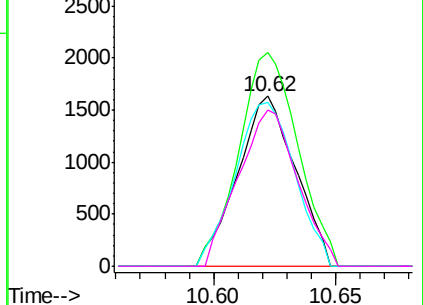


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060415.D

Acq: 10 Mar 2020 14:38

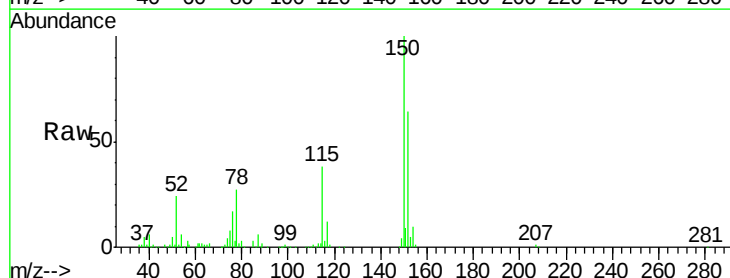
Tgt Ion:152 Resp: 134392

Ion Ratio Lower Upper

152 100

115 59.9 30.0 90.0

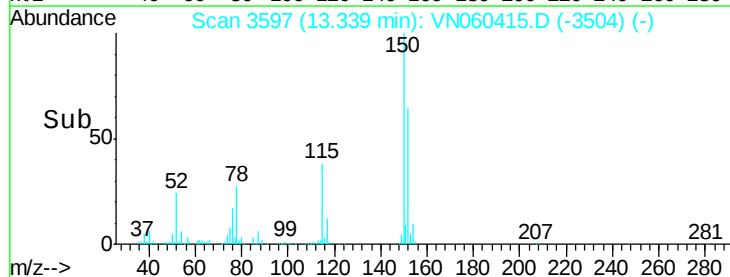
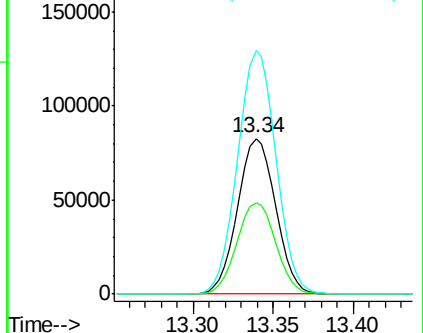
150 157.8 0.0 349.6

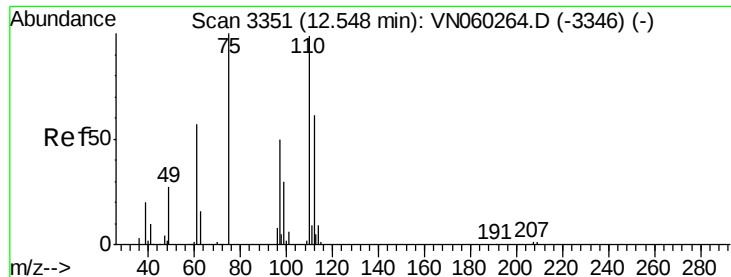


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.167 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060415.D

Acq: 10 Mar 2020 14:38

Instrument :

MSVOA_N

ClientSampled :

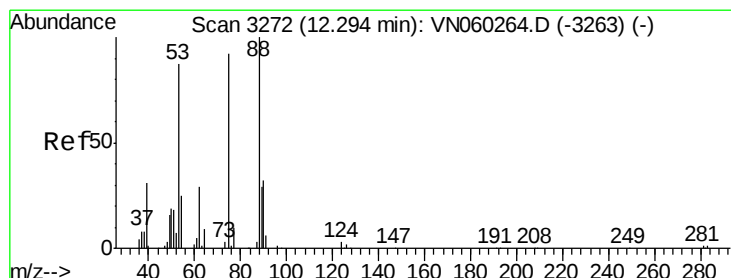
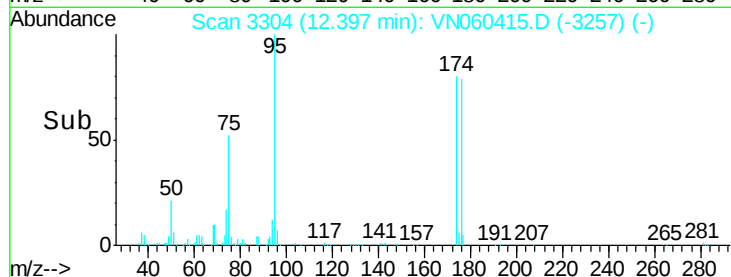
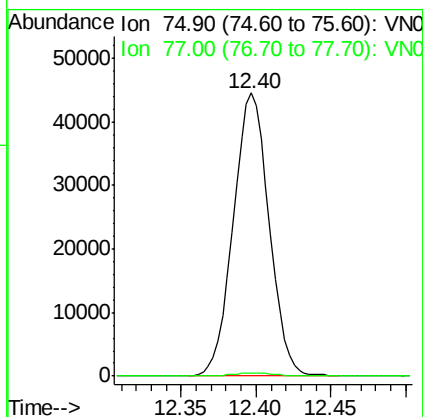
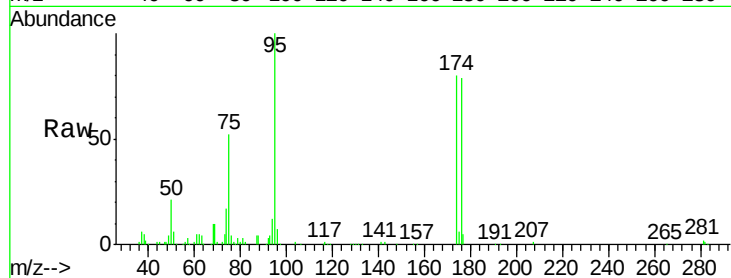
PW-1

Tgt Ion: 75 Resp: 74206

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.472 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060415.D

Acq: 10 Mar 2020 14:38

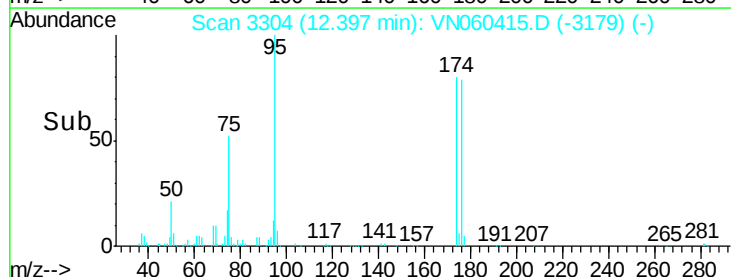
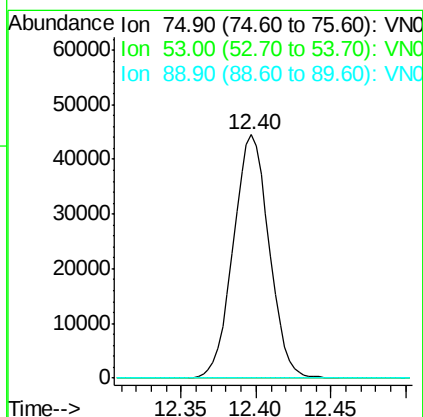
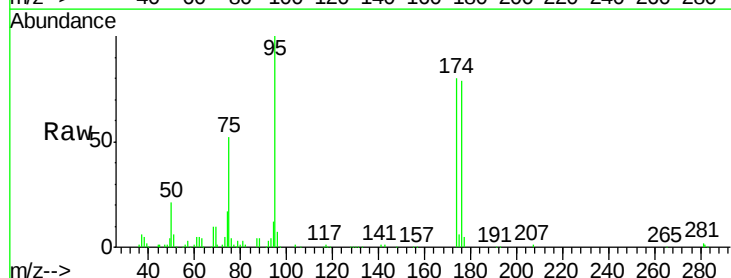
Tgt Ion: 75 Resp: 74206

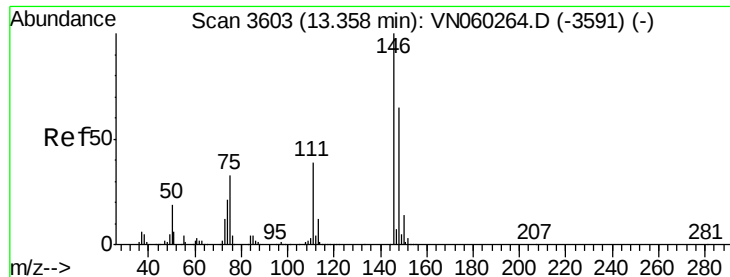
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#

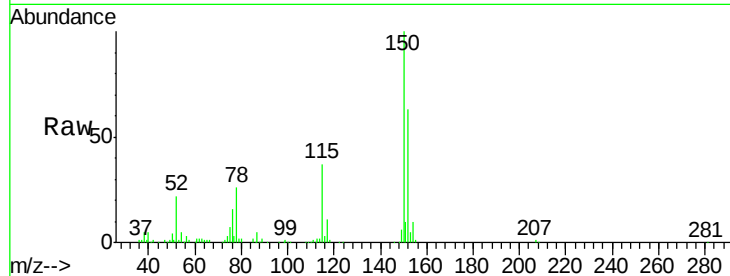




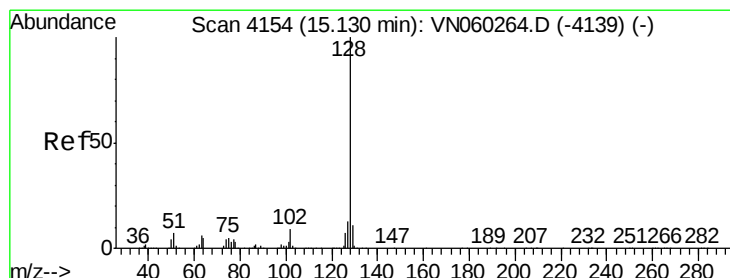
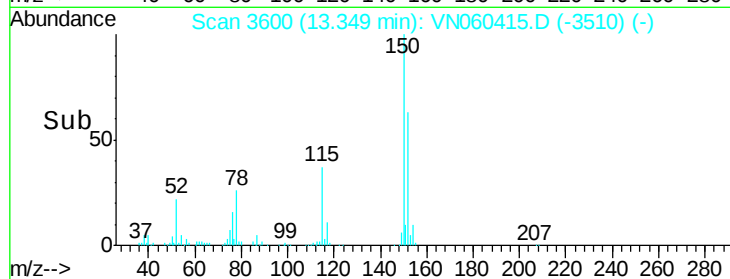
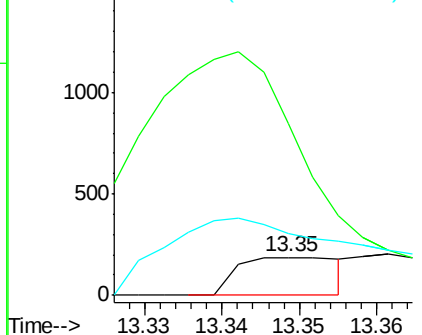
#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.35 min Scan# 3600
 Delta R.T. -0.01 min
 Lab File: VN060415.D
 Acq: 10 Mar 2020 14:38

Instrument :
 MSVOA_N
 ClientSampleId :
 PW-1

Tgt Ion:146 Resp: 171
 Ion Ratio Lower Upper
 146 100
 111 1123.4 19.8 59.4#
 148 395.9 32.3 96.9#

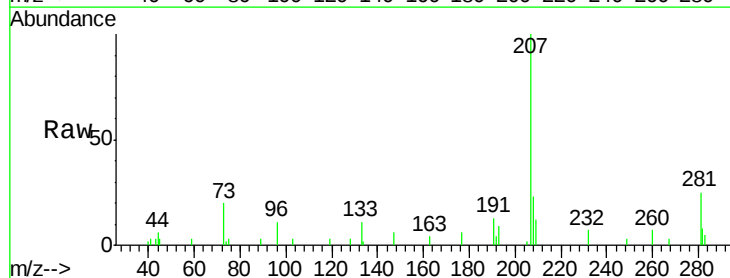


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#95
 Naphthalene
 Concen: Below Cal
 RT: 15.13 min Scan# 4153
 Delta R.T. -0.00 min
 Lab File: VN060415.D
 Acq: 10 Mar 2020 14:38

Tgt Ion:128 Resp: 254
 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): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

