

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041320\
 Data File : VN060915.D
 Acq On : 13 Apr 2020 22:05
 Operator : JC/MD
 Sample : PB128161
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB128161

Quant Time: Apr 14 07:25:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	145463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	248821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	231934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	103186	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	95384	47.77	ug/l	0.00
Spiked Amount						
			Recovery	=	95.54%	
35) Dibromofluoromethane	7.56	113	73216	48.66	ug/l	0.00
Spiked Amount						
			Recovery	=	97.32%	
50) Toluene-d8	10.08	98	308675	50.23	ug/l	0.00
Spiked Amount						
			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.40	95	116276	51.63	ug/l	0.00
Spiked Amount						
			Recovery	=	103.26%	

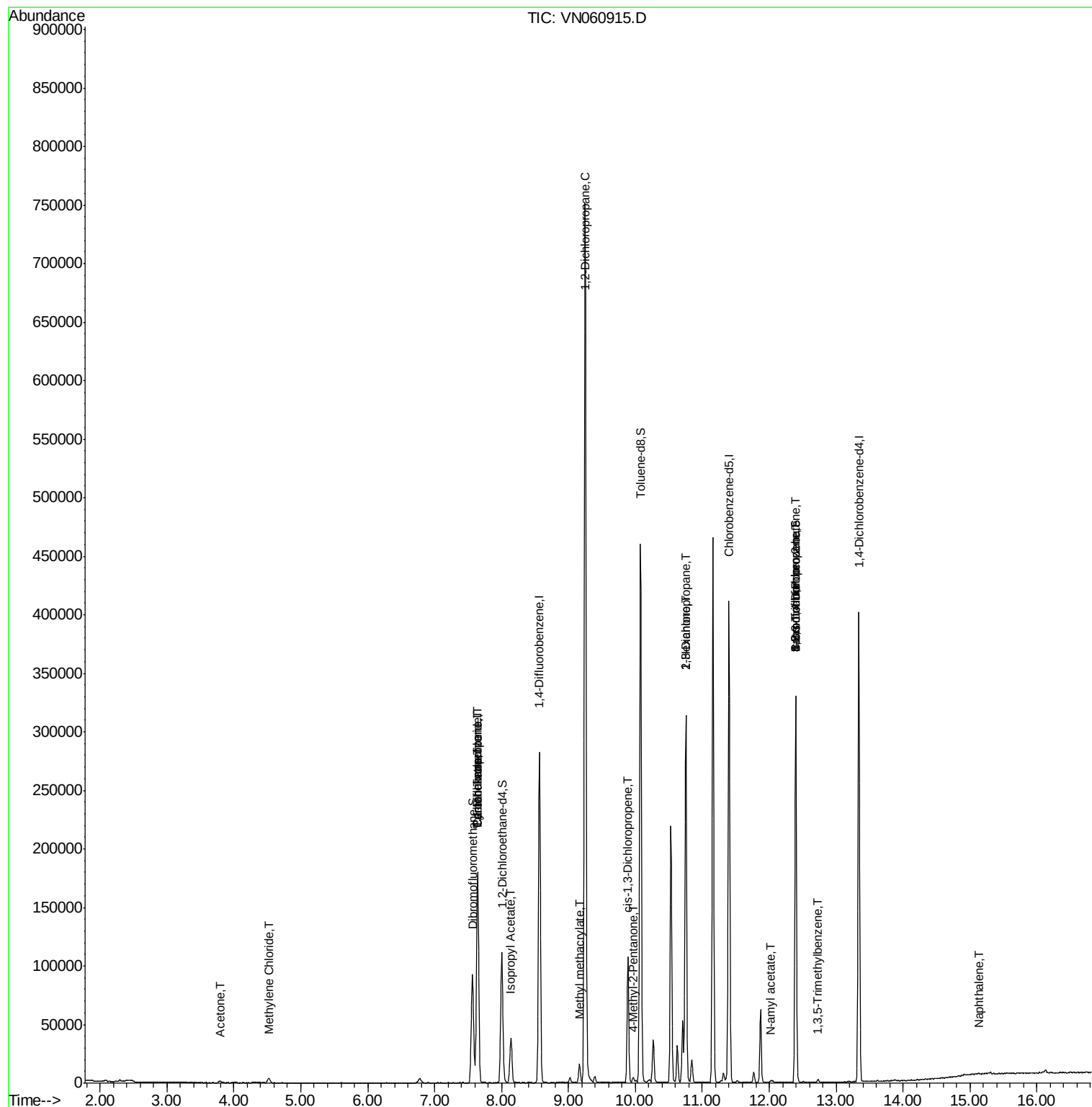
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	2715	3.838	ug/l	94
20) Methylene Chloride	4.53	84	2768	1.591	ug/l	93
31) Cyclohexane	7.64	56	3180	0.989	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11457	4.755	ug/l #	49
38) Carbon Tetrachloride	7.64	117	14029	6.497	ug/l #	16
43) Isopropyl Acetate	8.14	43	46503	10.831	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	826	0.430	ug/l #	43
48) Methyl methacrylate	9.16	41	2119	1.109	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	3547	1.452	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	19418	6.391	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3165	1.079	ug/l #	42
59) 2-Hexanone	10.75	43	47732	27.121	ug/l #	52
71) Bromoform	12.39	173	451	1.995	ug/l #	1
74) N-amyl acetate	12.02	43	1975	0.552	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	58250	26.162	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2209	0.336	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	58250	67.191	ug/l #	13
95) Naphthalene	15.13	128	1403	0.241	ug/l #	69

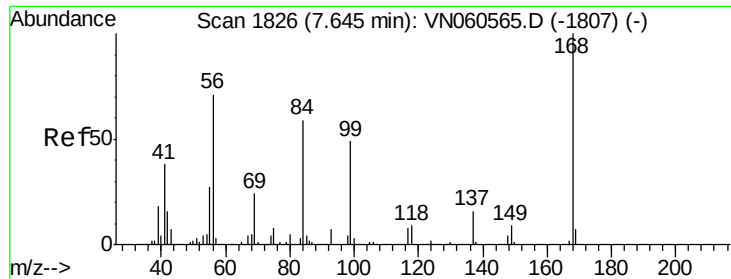
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060915.D

Acq: 13 Apr 2020 22:05

Instrument :

MSVOA_N

ClientSampled :

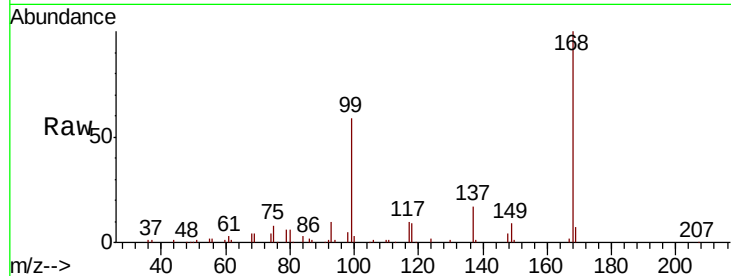
PB128161

Tot Ion:168 Resp: 145463

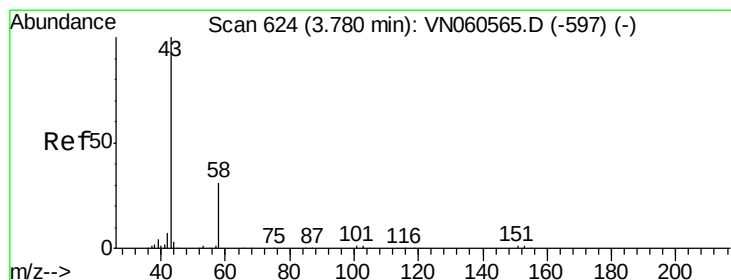
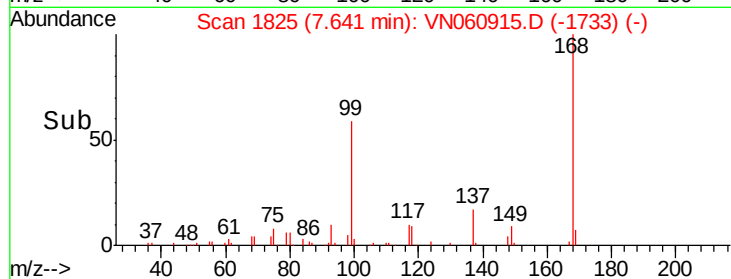
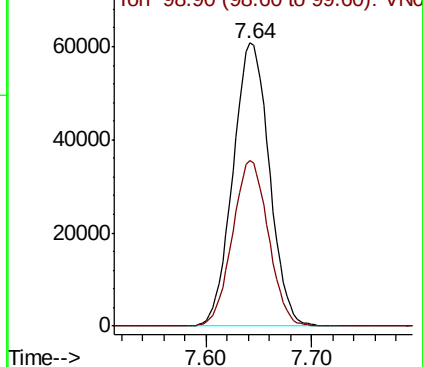
Ion Ratio Lower Upper

168 100

99 58.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060915.D (-1733) (-)



#16

Acetone

Concen: 3.838 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060915.D

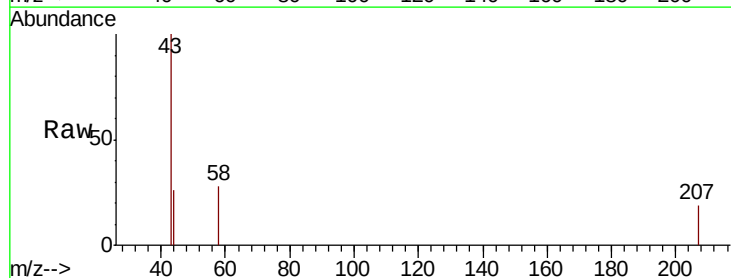
Acq: 13 Apr 2020 22:05

Tgt Ion: 43 Resp: 2715

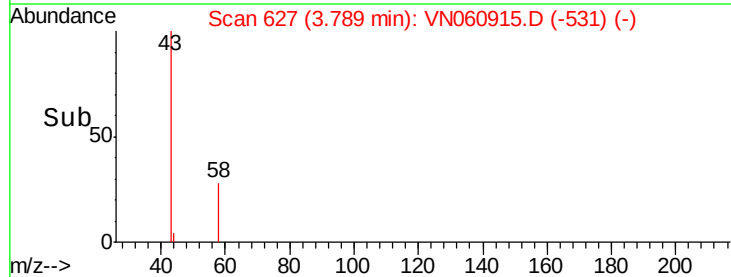
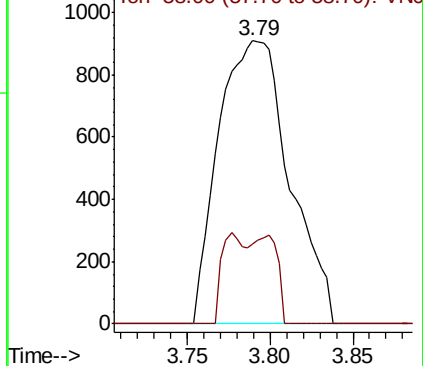
Ion Ratio Lower Upper

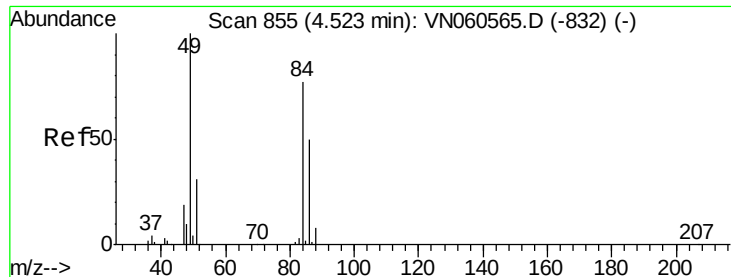
43 100

58 28.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060915.D (-531) (-)

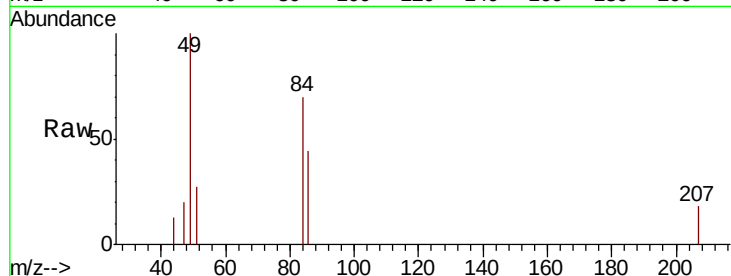




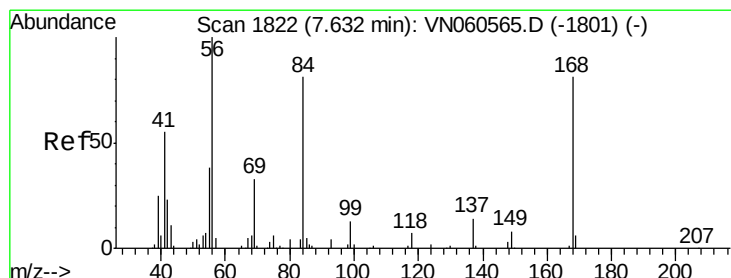
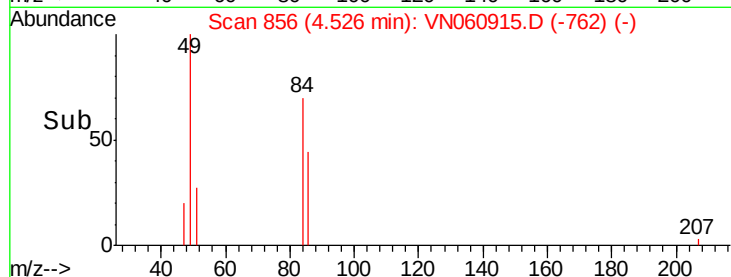
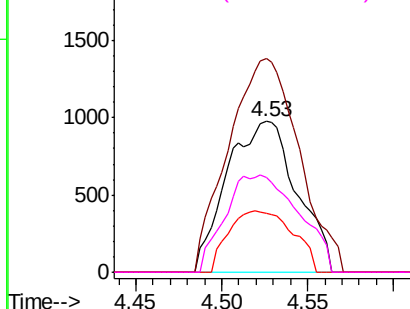
#20
Methvlene Chloride
Concen: 1.591 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060915.D
Acq: 13 Apr 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
PB128161

Tot Ion:	84	Resp:	2768
Ion	Ratio	Lower	Upper
84	100		
49	141.9	103.3	154.9
51	39.0	31.6	47.4
86	62.6	52.0	78.0

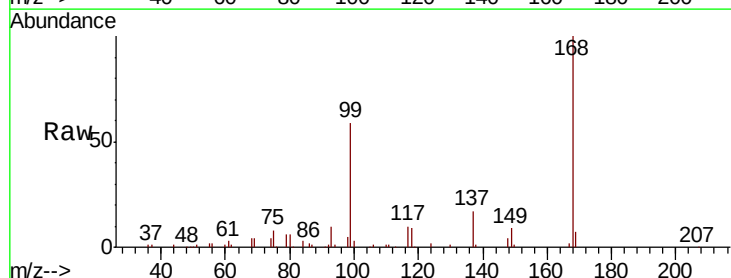


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

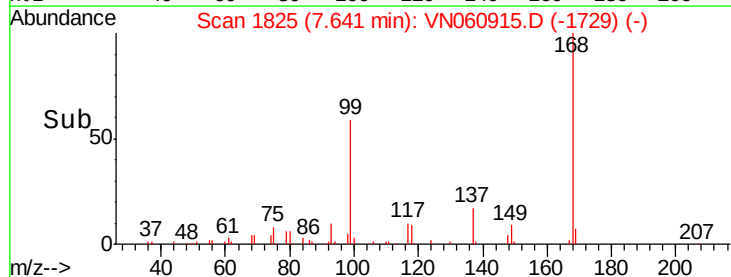
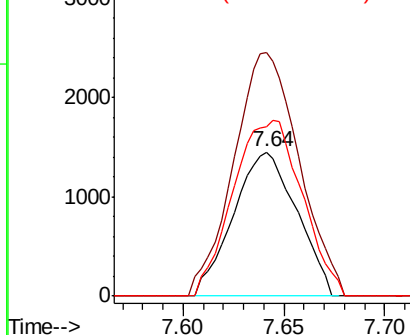


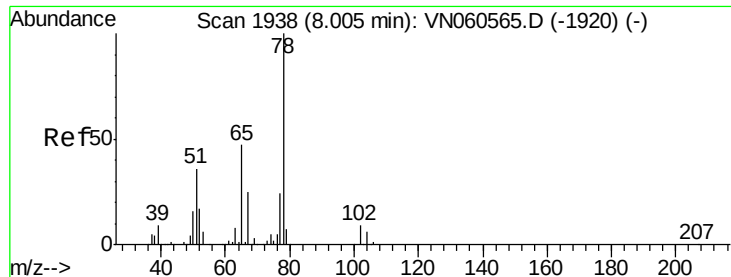
#31
Cyclohexane
Concen: 0.989 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060915.D
Acq: 13 Apr 2020 22:05

Tgt Ion:	56	Resp:	3180
Ion	Ratio	Lower	Upper
56	100		
69	169.1	26.6	40.0#
84	117.7	64.3	96.5#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

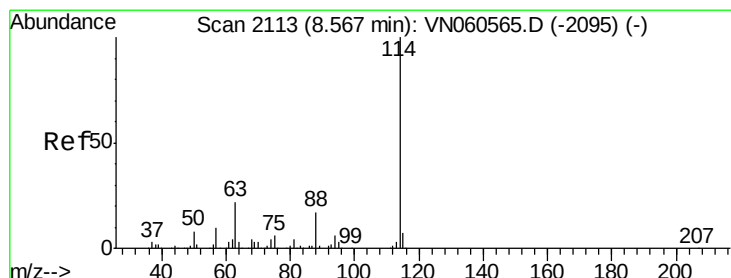
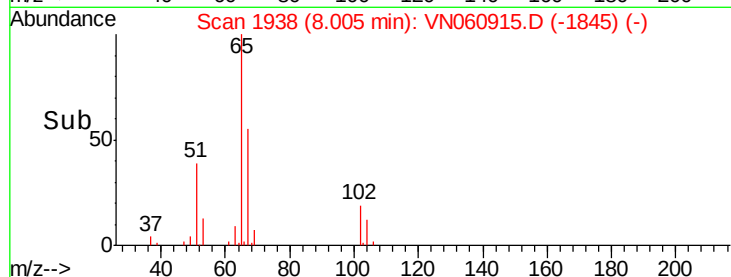
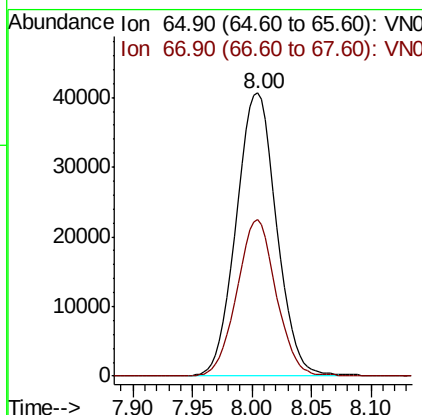
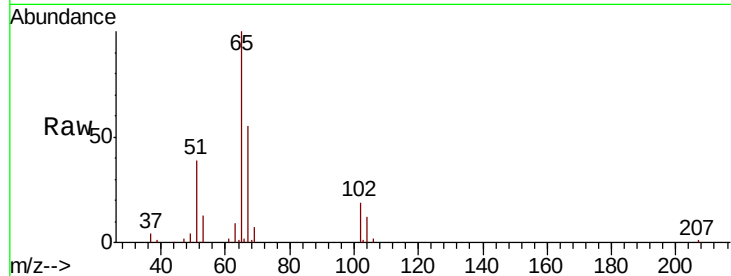




#33
 1,2-Dichloroethane-d4
 Concen: 47.767 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060915.D
 Acq: 13 Apr 2020 22:05

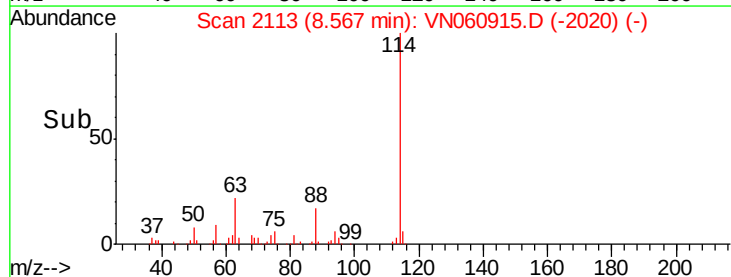
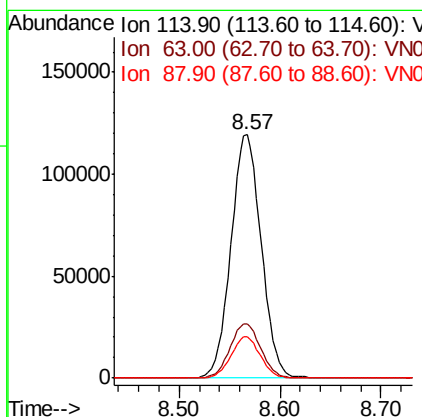
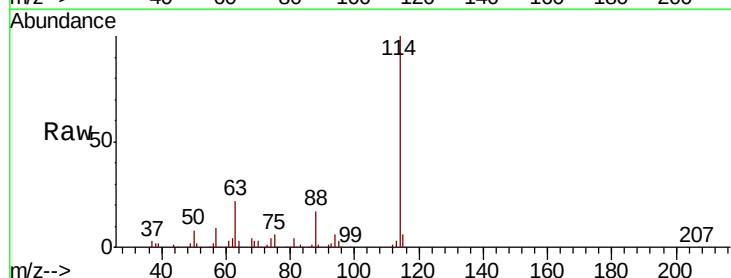
Instrument :
 MSVOA_N
 ClientSampleId :
 PB128161

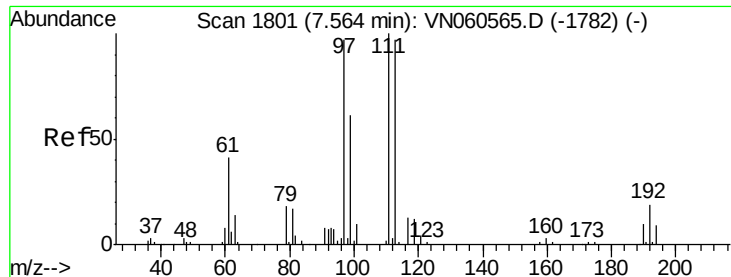
Tot Ion: 65 Resp: 95384
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060915.D
 Acq: 13 Apr 2020 22:05

Tgt Ion: 114 Resp: 248821
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.9 0.0 33.0

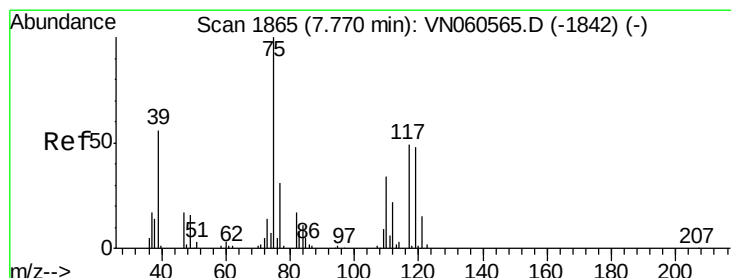
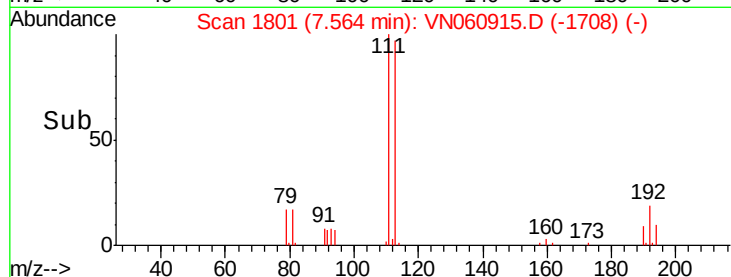
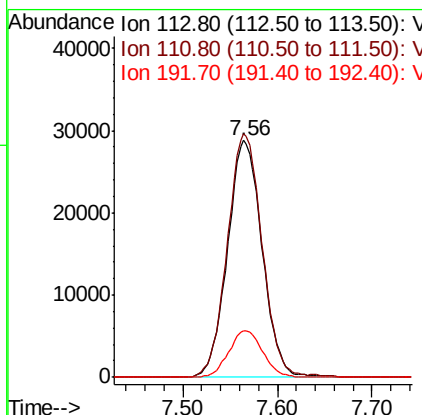
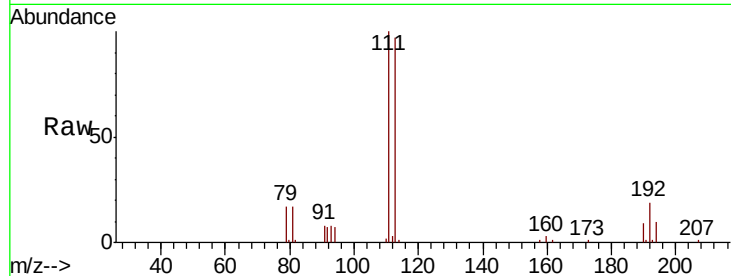




#35
 Dibromofluoromethane
 Concen: 48.663 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060915.D
 Acq: 13 Apr 2020 22:05

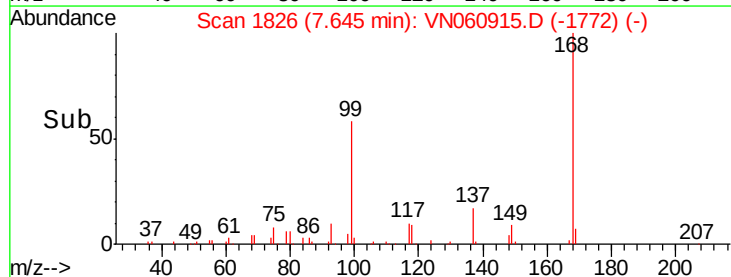
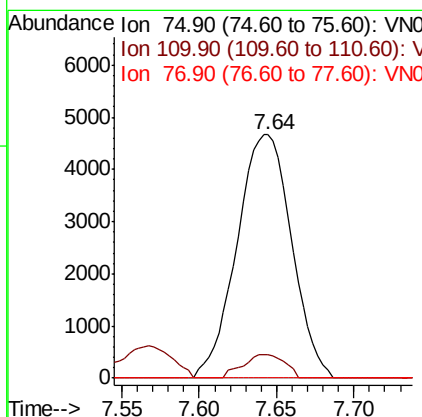
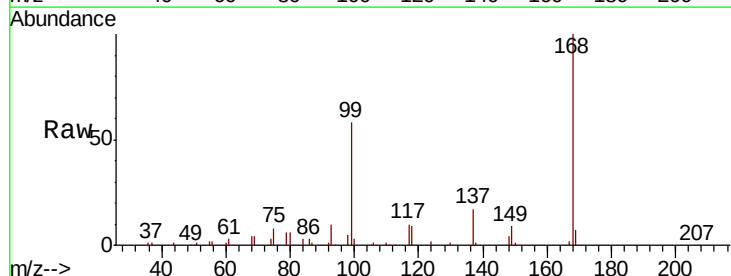
Instrument :
 MSVOA_N
 ClientSampleId :
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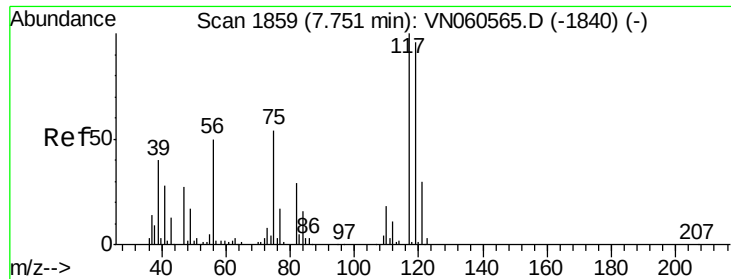
Tot Ion:113 Resp: 73216
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 19.2 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.755 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060915.D
 Acq: 13 Apr 2020 22:05

Tgt Ion: 75 Resp: 11457
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.9 50.6#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.497 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060915.D

Acq: 13 Apr 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

PB128161

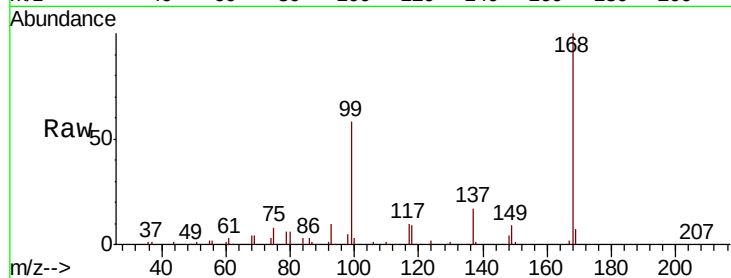
Tot Ion:117 Resp: 14029

Ion Ratio Lower Upper

117 100

119 4.1 76.2 114.2#

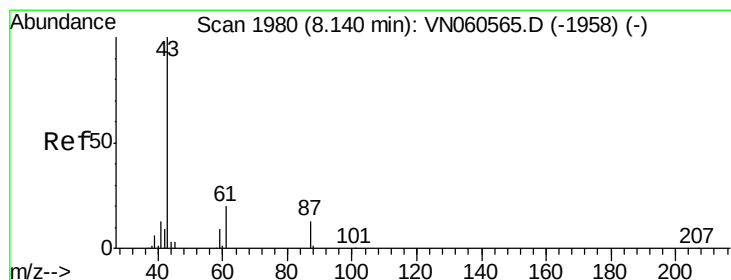
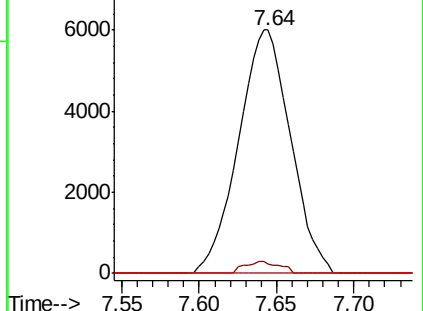
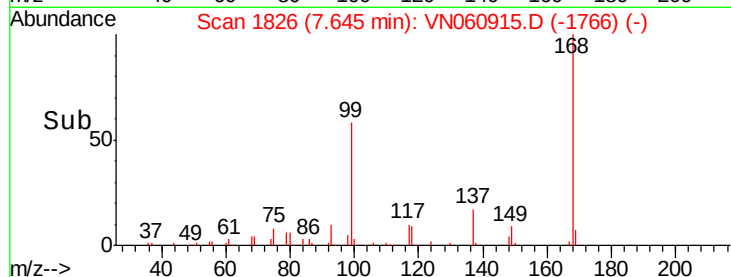
121 0.0 23.7 35.5#



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: 10.831 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060915.D

Acq: 13 Apr 2020 22:05

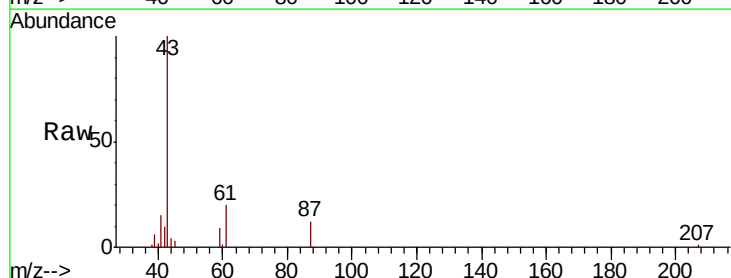
Tgt Ion: 43 Resp: 46503

Ion Ratio Lower Upper

43 100

61 19.7 20.7 31.1#

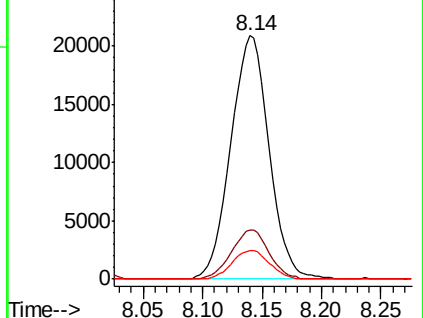
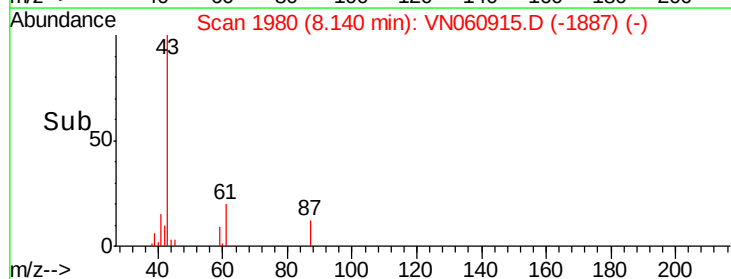
87 11.5 9.8 14.8

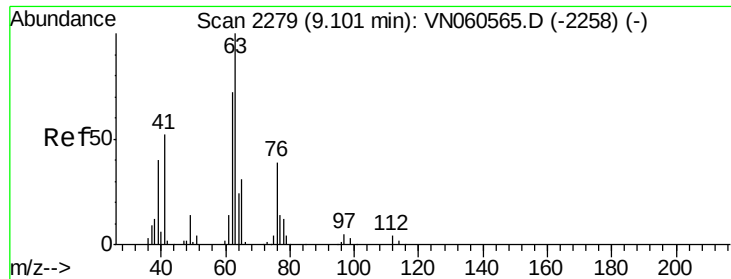


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

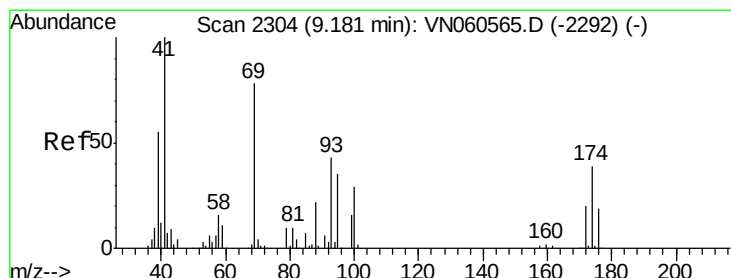
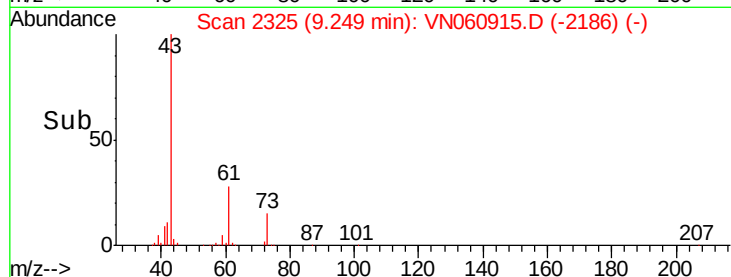
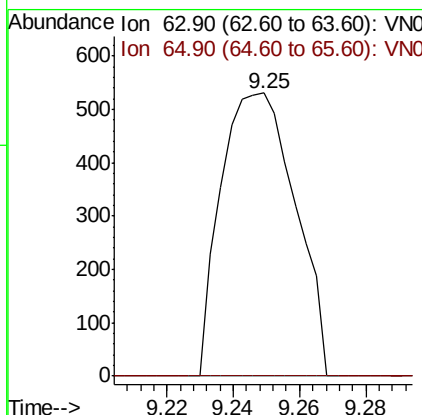
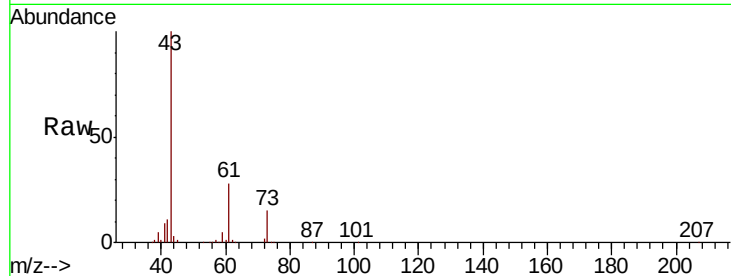




#45
 1,2-Dichloropropane
 Concen: 0.430 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060915.D
 Acq: 13 Apr 2020 22:05

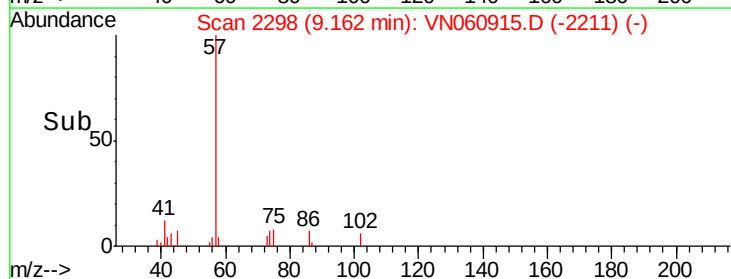
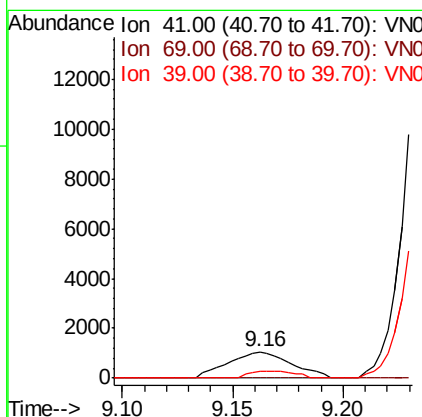
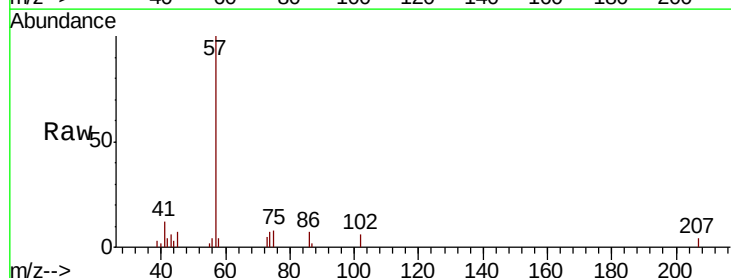
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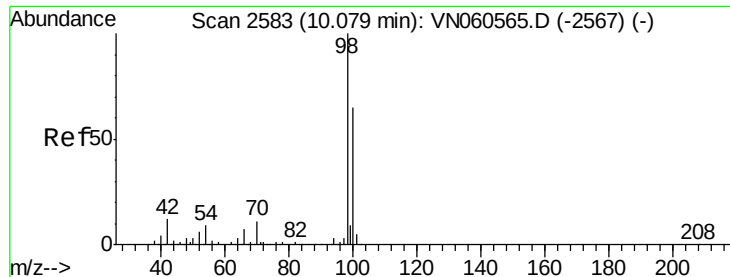
Tot Ion: 63 Resp: 826
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.109 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060915.D
 Acq: 13 Apr 2020 22:05

Tgt Ion: 41 Resp: 2119
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 50.228 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060915.D

Acq: 13 Apr 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

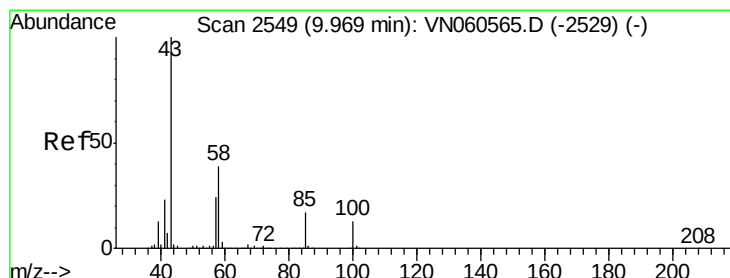
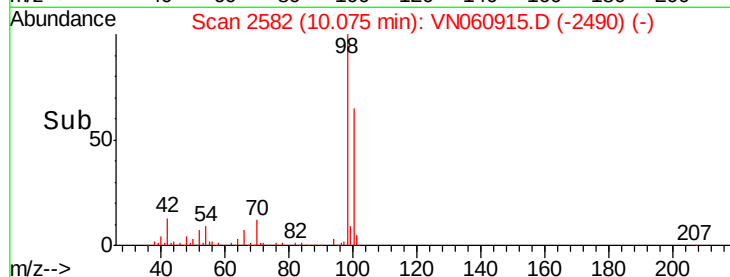
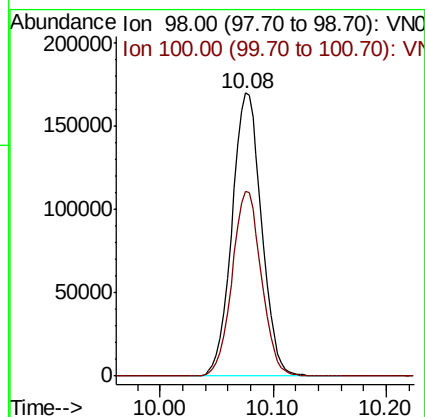
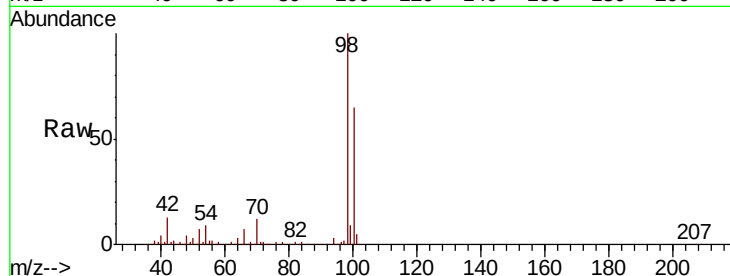
PB128161

Tot Ion: 98 Resp: 308675

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.452 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060915.D

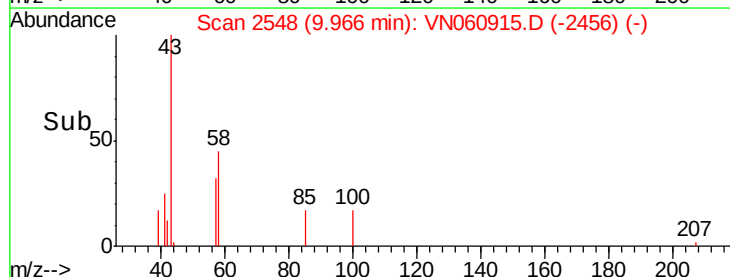
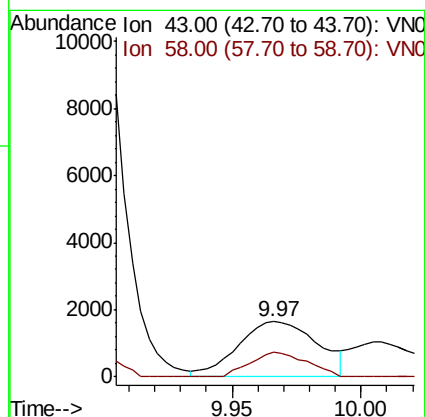
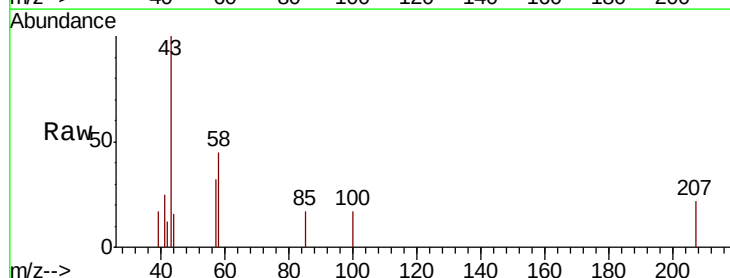
Acq: 13 Apr 2020 22:05

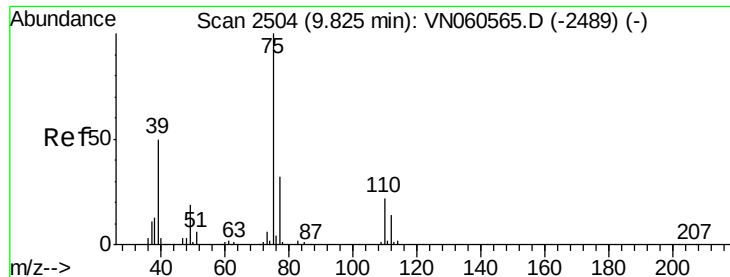
Tgt Ion: 43 Resp: 3547

Ion Ratio Lower Upper

43 100

58 31.9 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 6.391 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060915.D

Acq: 13 Apr 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

PB128161

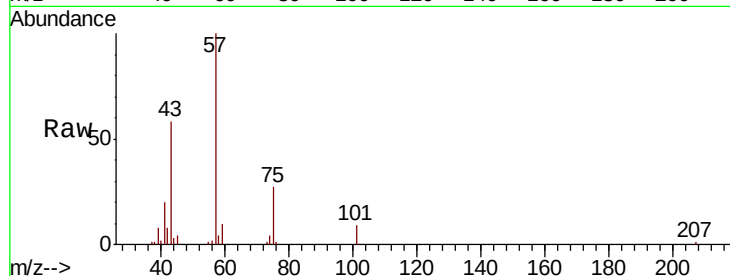
Tot Ion: 75 Resp: 19418

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

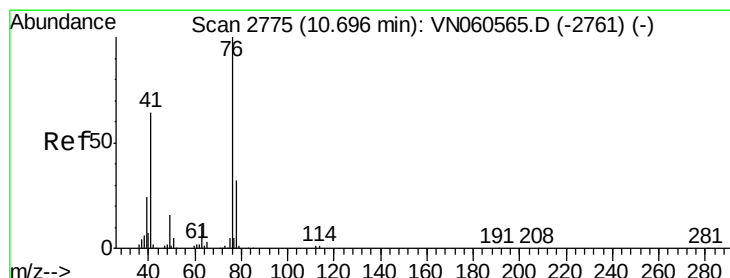
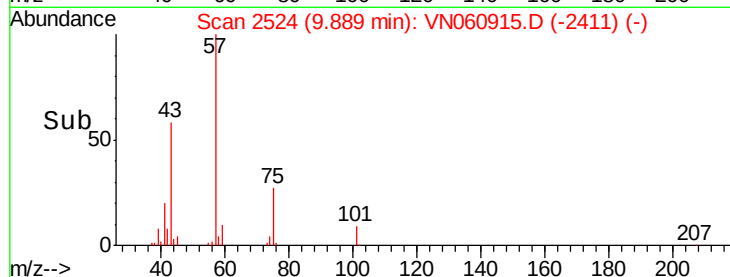
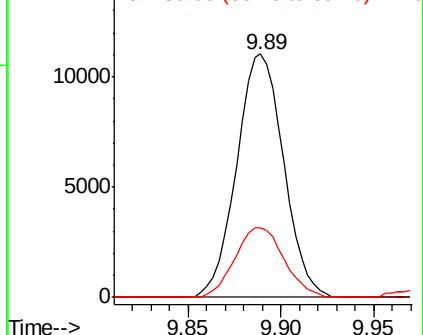
39 28.7 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.079 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060915.D

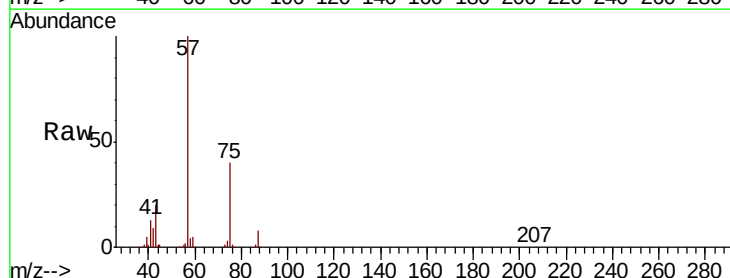
Acq: 13 Apr 2020 22:05

Tgt Ion: 76 Resp: 3165

Ion Ratio Lower Upper

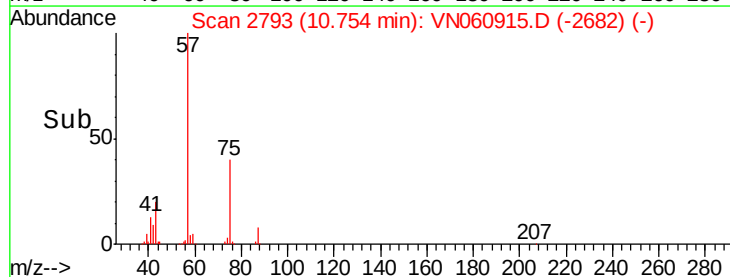
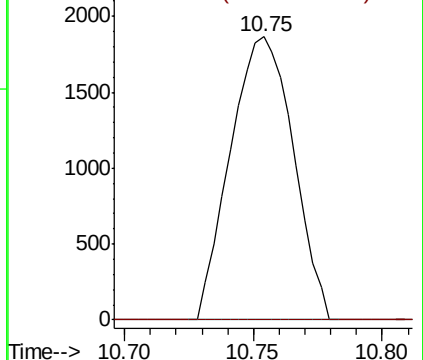
76 100

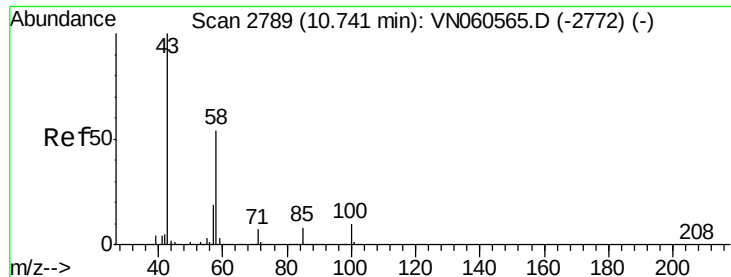
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

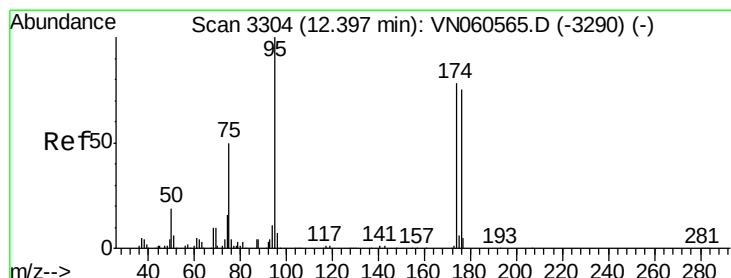
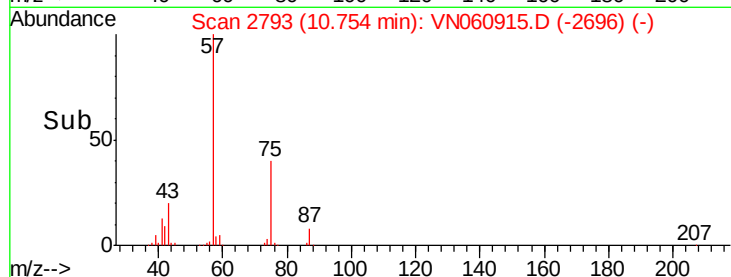
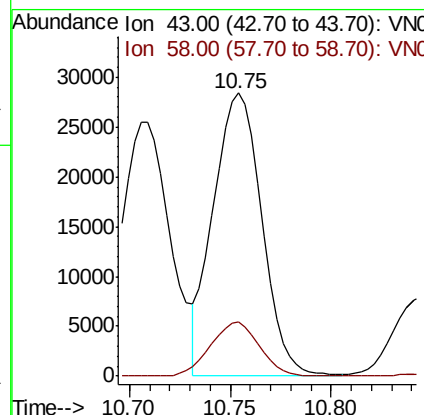
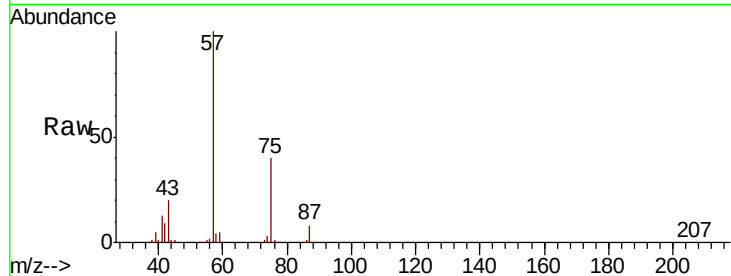




#59
2-Hexanone
Concen: 27.121 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060915.D
Acq: 13 Apr 2020 22:05

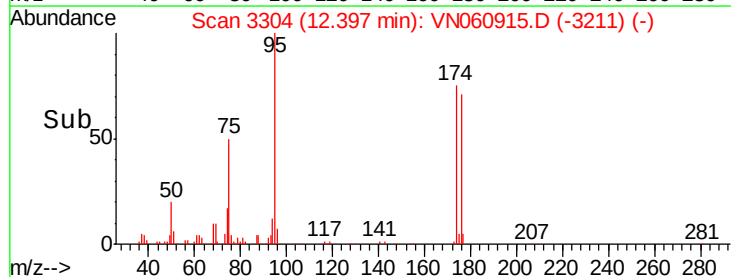
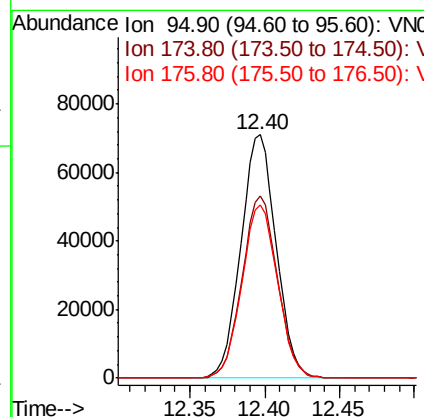
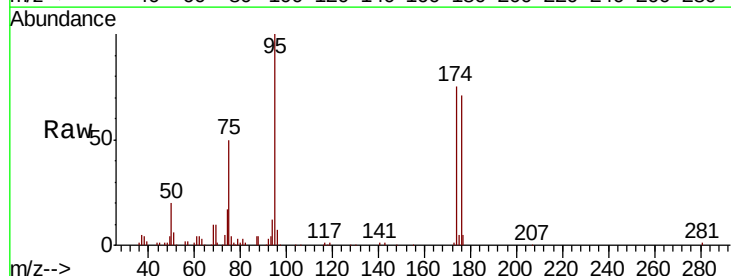
Instrument :
MSVOA_N
ClientSampleId :
PB128161

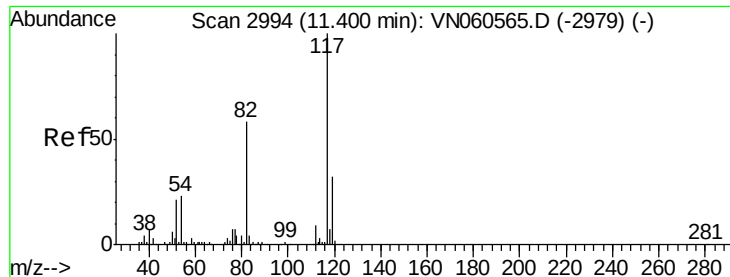
Tot Ion: 43 Resp: 47732
Ion Ratio Lower Upper
43 100
58 19.1 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.627 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060915.D
Acq: 13 Apr 2020 22:05

Tgt Ion: 95 Resp: 116276
Ion Ratio Lower Upper
95 100
174 75.3 0.0 157.6
176 72.3 0.0 150.6

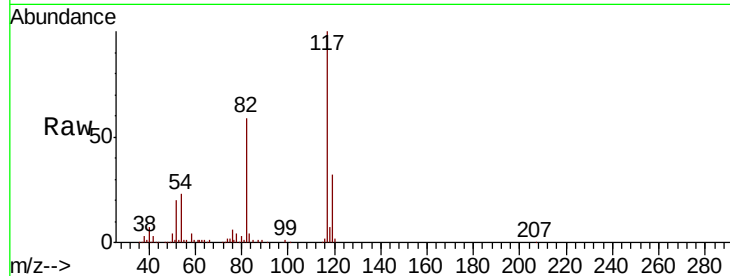




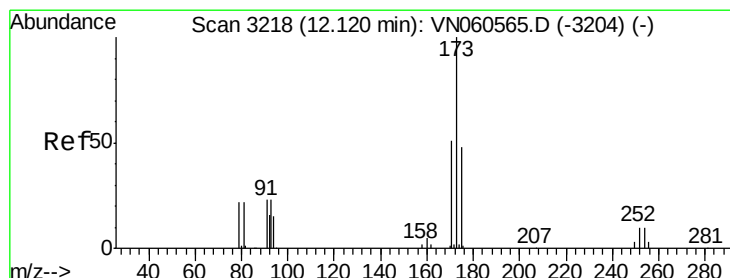
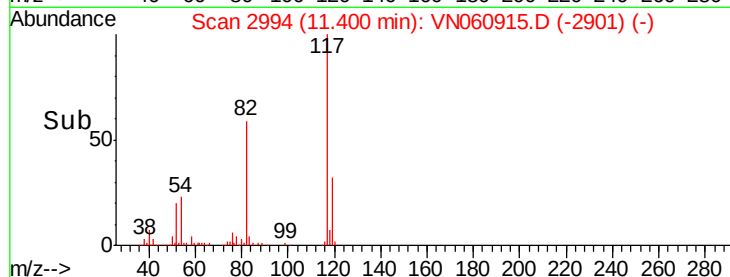
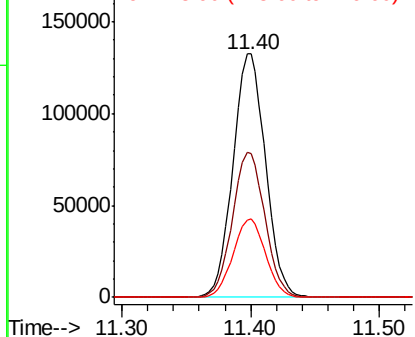
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060915.D
Acq: 13 Apr 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
PB128161

Tot Ion:117 Resp: 231934
Ion Ratio Lower Upper
117 100
82 59.0 46.7 70.1
119 32.2 25.5 38.3

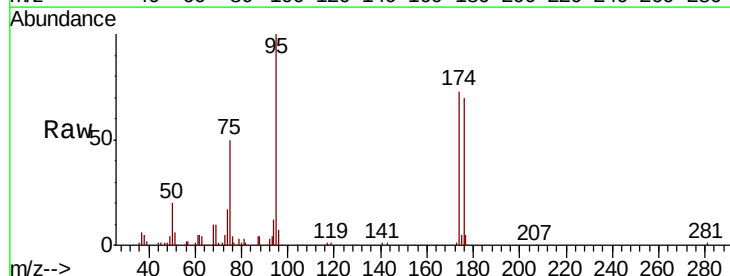


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

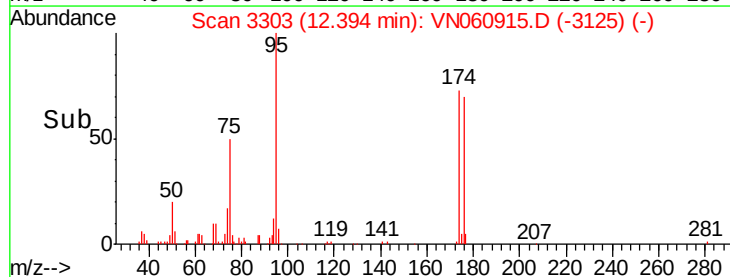
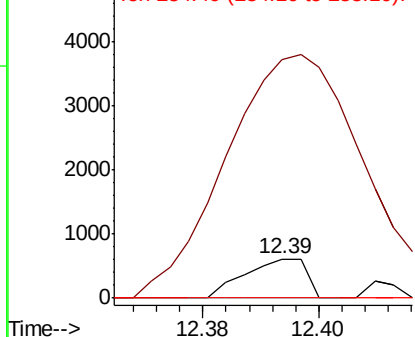


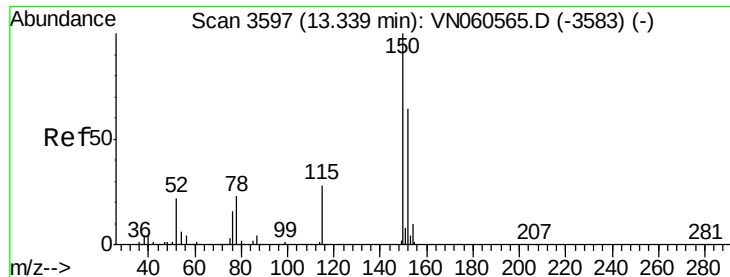
#71
Bromoform
Concen: 1.995 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060915.D
Acq: 13 Apr 2020 22:05

Tgt Ion:173 Resp: 451
Ion Ratio Lower Upper
173 100
175 1206.2 24.1 72.4#
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: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060915.D

Acq: 13 Apr 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

PB128161

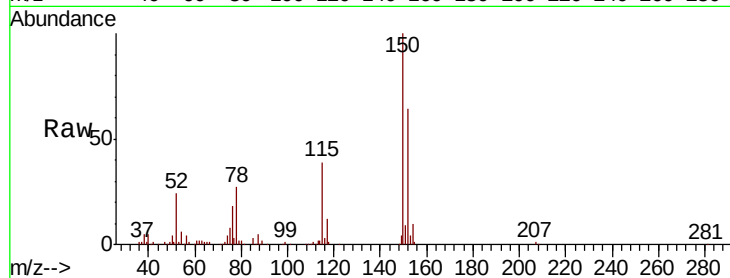
Tot Ion:152 Resp: 103186

Ion Ratio Lower Upper

152 100

115 61.8 30.2 90.6

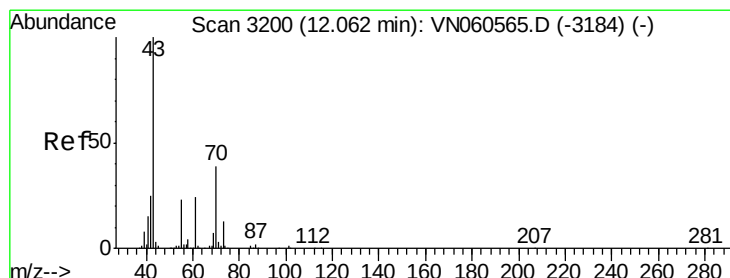
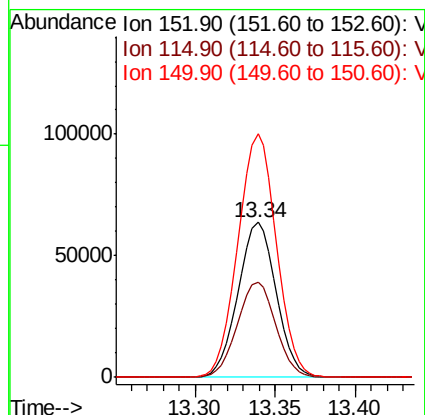
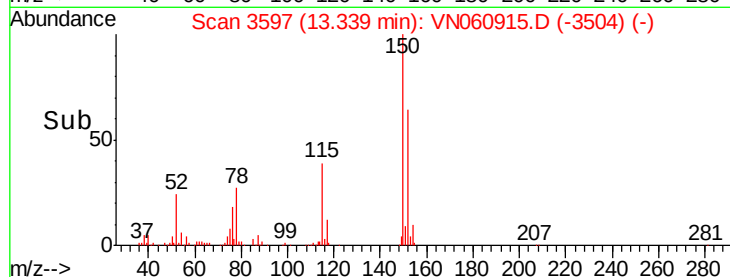
150 158.7 0.0 350.2



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: 0.552 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060915.D

Acq: 13 Apr 2020 22:05

Tgt Ion: 43 Resp: 1975

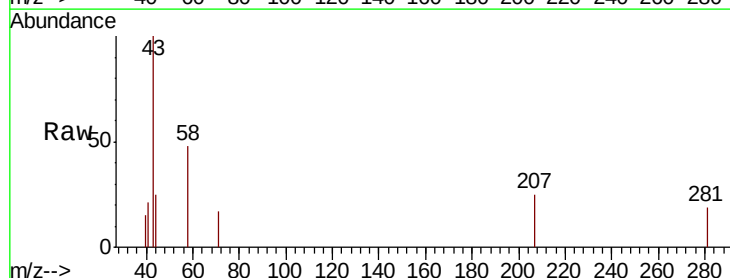
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

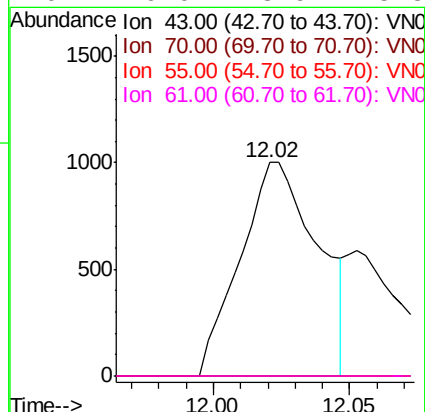
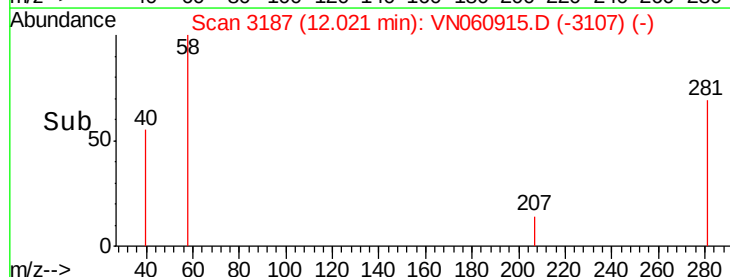


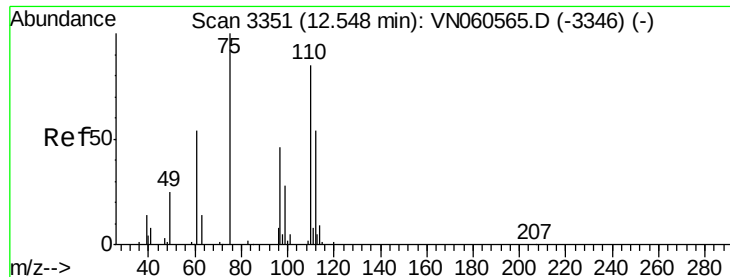
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 26.162 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060915.D

Acq: 13 Apr 2020 22:05

Instrument :

MSVOA_N

ClientSampled :

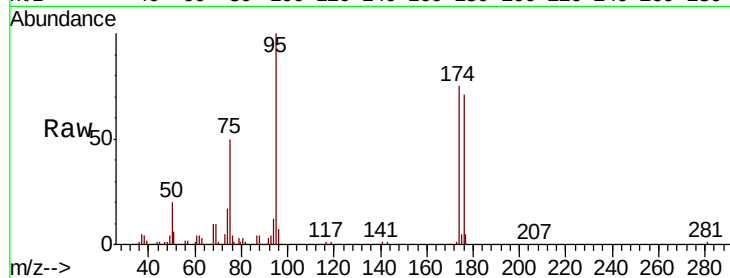
PB128161

Tot Ion: 75 Resp: 58250

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060915.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060915.D (-3304) (-)

12.40

40000

30000

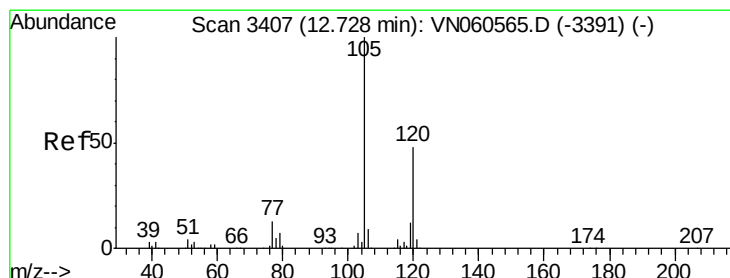
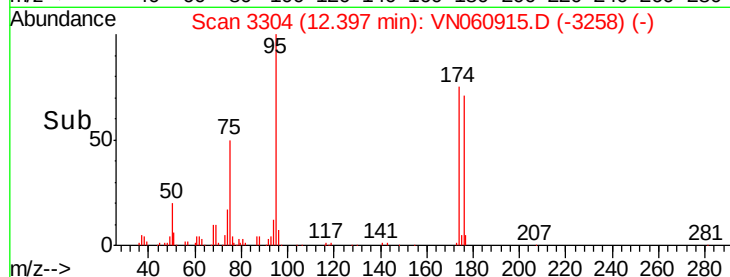
20000

10000

0

Time-->

12.35 12.40 12.45



#80

1,3,5-Trimethylbenzene

Concen: 0.336 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060915.D

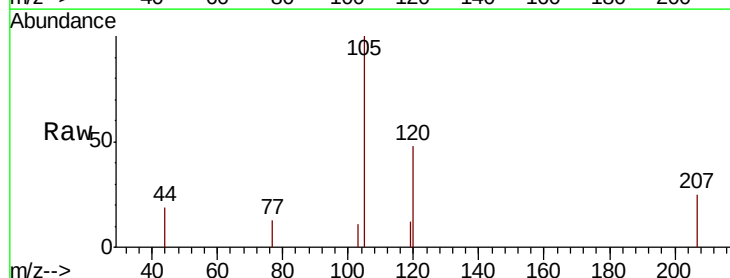
Acq: 13 Apr 2020 22:05

Tgt Ion: 105 Resp: 2209

Ion Ratio Lower Upper

105 100

120 46.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060915.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060915.D (-3391) (-)

12.73

1500

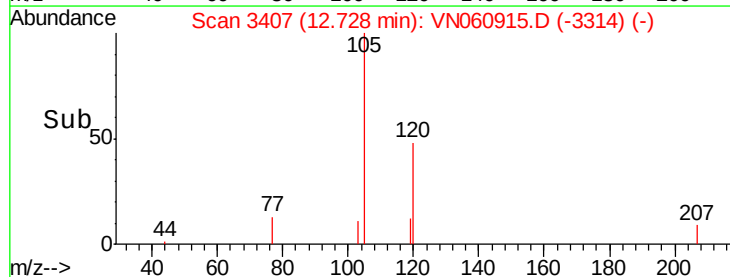
1000

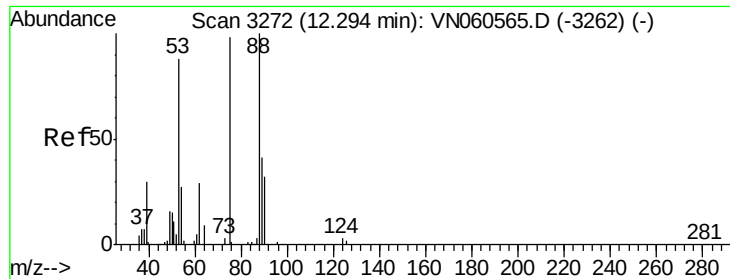
500

0

Time-->

12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 67.191 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060915.D

Acq: 13 Apr 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

PB128161

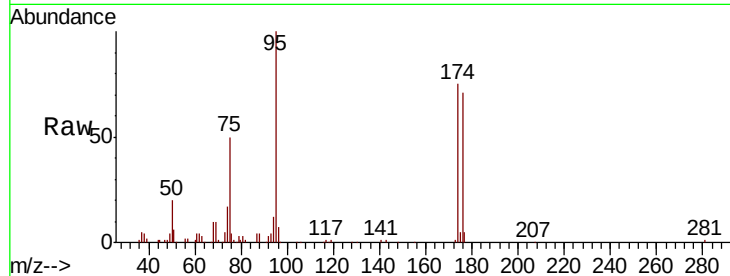
Tot Ion: 75 Resp: 58250

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

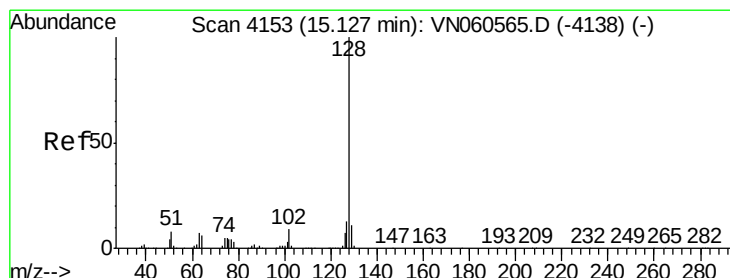
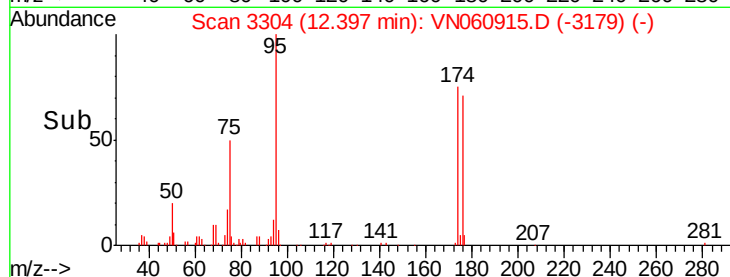
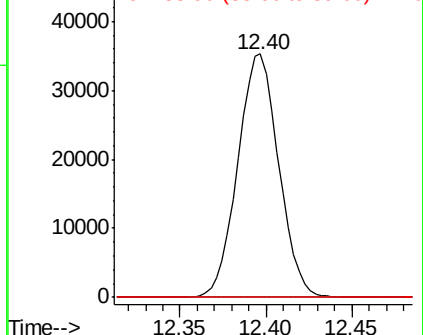
89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060915.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060915.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060915.D (-3179) (-)



#95

Naphthalene

Concen: 0.241 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060915.D

Acq: 13 Apr 2020 22:05

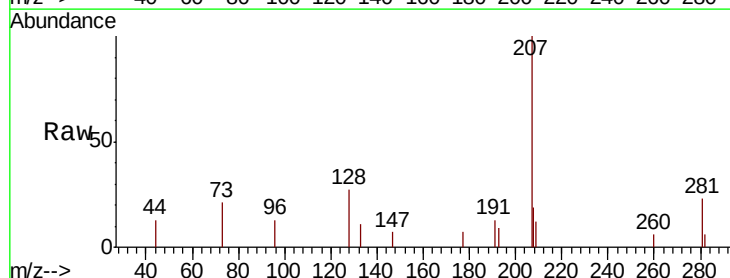
Tgt Ion: 128 Resp: 1403

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN060915.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN060915.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN060915.D (-4060) (-)

