

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032620\
 Data File : VN060707.D
 Acq On : 26 Mar 2020 12:06
 Operator : JC/MD
 Sample : VN0326WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBL01

Quant Time: Mar 27 05:28:54 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	189341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	313940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115708	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	122667	47.19	ug/l	0.00
Spiked Amount						
			Recovery	=	94.38%	
35) Dibromofluoromethane	7.56	113	94318	49.69	ug/l	0.00
Spiked Amount						
			Recovery	=	99.38%	
50) Toluene-d8	10.08	98	386749	49.88	ug/l	0.00
Spiked Amount						
			Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	134943	47.49	ug/l	0.00
Spiked Amount						
			Recovery	=	94.98%	

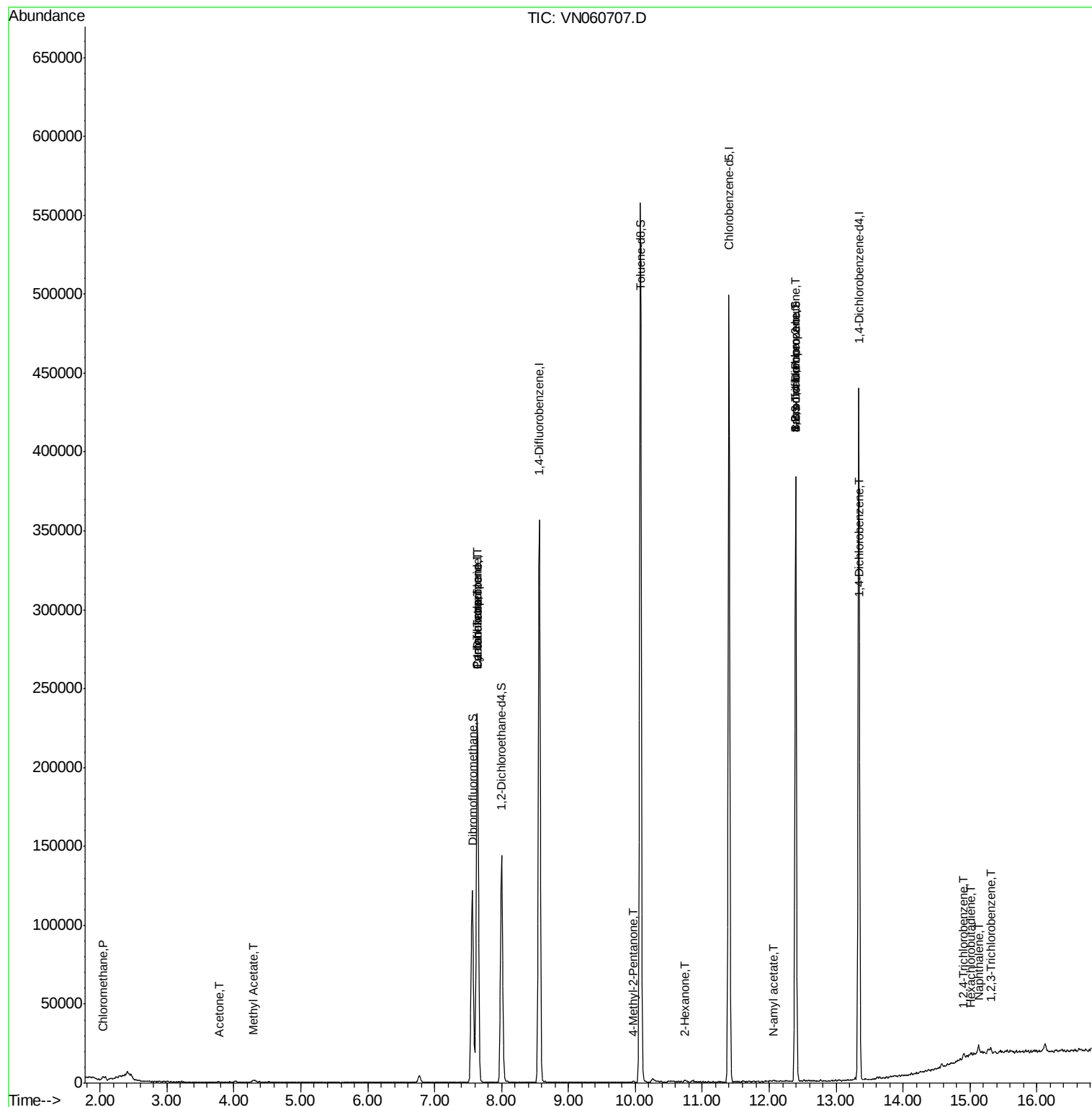
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1973	0.577	ug/l	92
16) Acetone	3.78	43	348	0.378	ug/l #	43
18) Methyl Acetate	4.29	43	1830	0.706	ug/l #	80
31) Cyclohexane	7.63	56	4100	0.979	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15144	4.982	ug/l #	46
38) Carbon Tetrachloride	7.64	117	18360	6.739	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	920	0.298	ug/l #	37
59) 2-Hexanone	10.74	43	1151	0.518	ug/l #	58
71) Bromoform	12.40	173	200	1.795	ug/l #	1
74) N-amyl acetate	12.07	43	869	0.217	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	68383	27.389	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	68383	70.343	ug/l #	13
88) 1,4-Dichlorobenzene	13.36	146	773	0.208	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	1156	0.533	ug/l	94
94) Hexachlorobutadiene	15.00	225	291	0.274	ug/l #	55
95) Naphthalene	15.13	128	4920	0.755	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	1380	0.647	ug/l	95

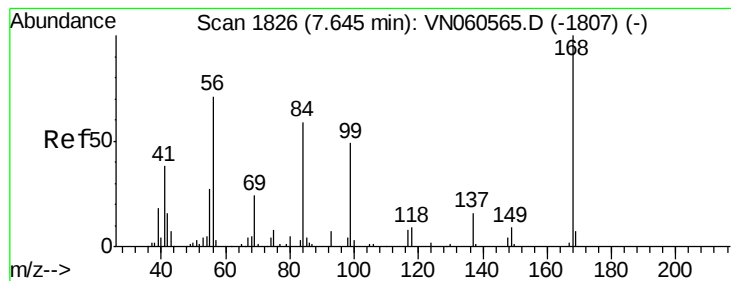
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060707.D

Acq: 26 Mar 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

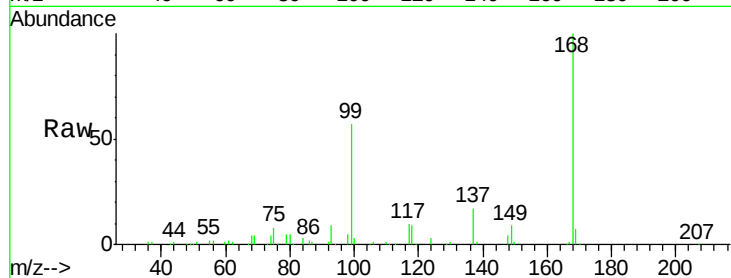
VN0326WBL01

Tgt Ion:168 Resp: 189341

Ion Ratio Lower Upper

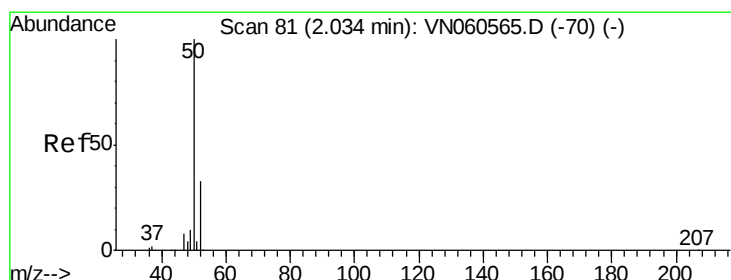
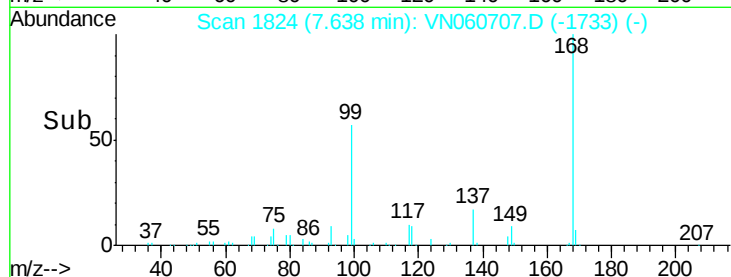
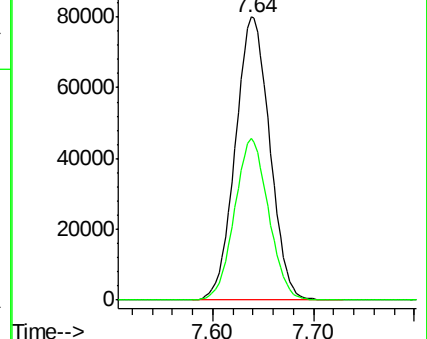
168 100

99 57.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.577 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN060707.D

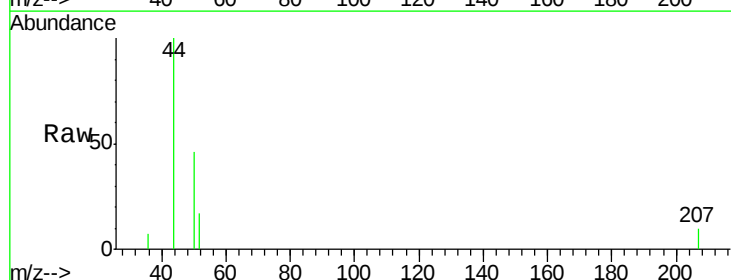
Acq: 26 Mar 2020 12:06

Tgt Ion: 50 Resp: 1973

Ion Ratio Lower Upper

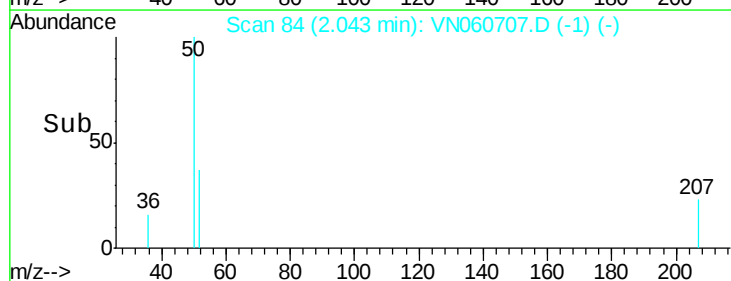
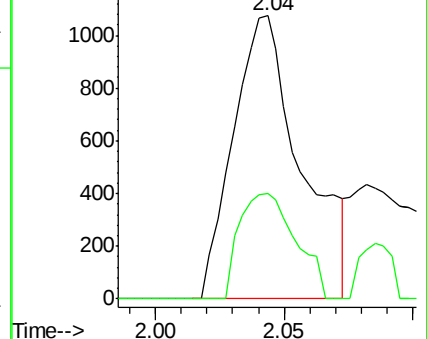
50 100

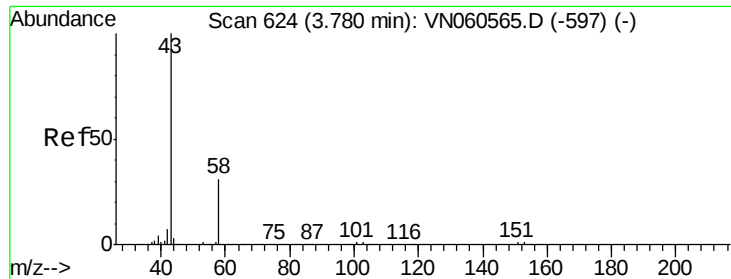
52 37.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

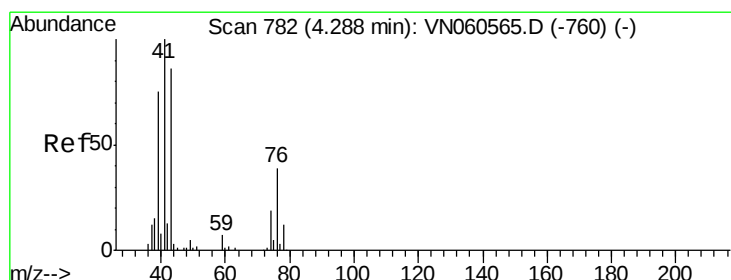
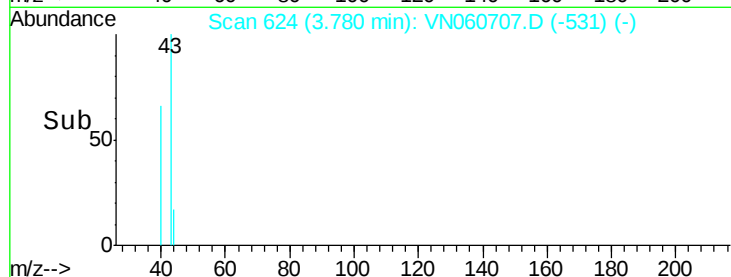
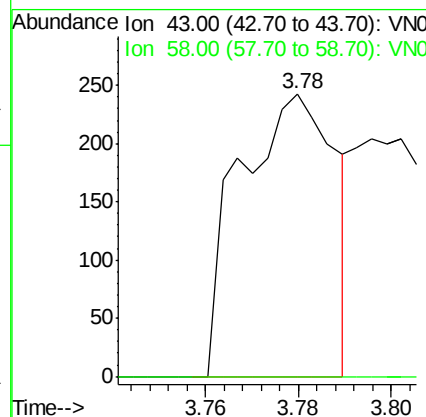
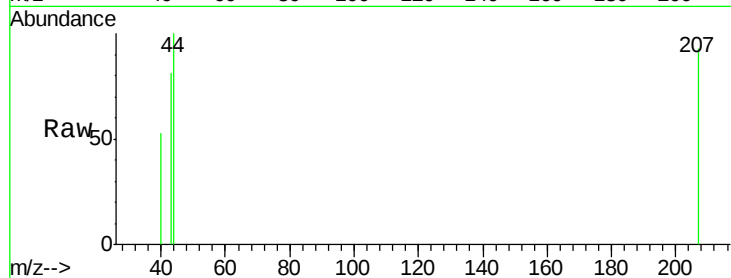




#16
Acetone
Concen: 0.378 ug/l
RT: 3.78 min Scan# 624
Delta R.T. -0.00 min
Lab File: VN060707.D
Acq: 26 Mar 2020 12:06

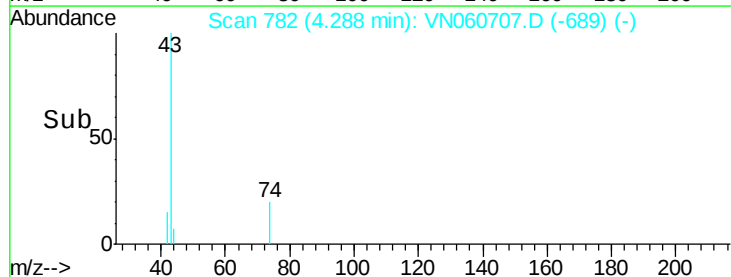
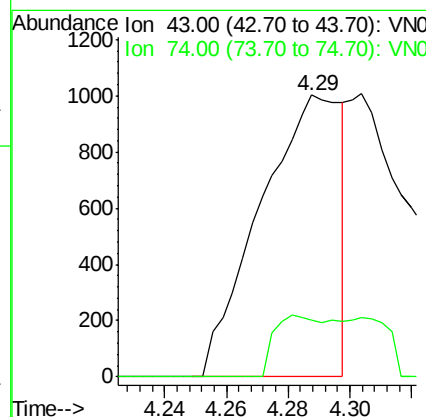
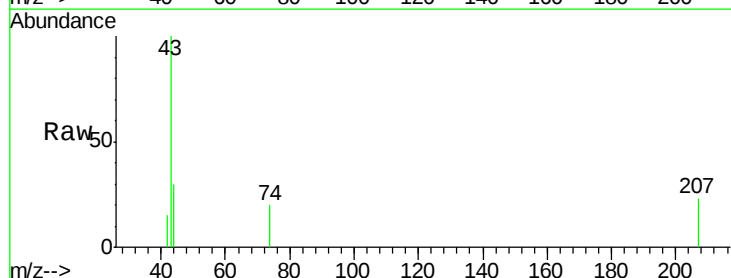
Instrument :
MSVOA_N
ClientSampleId :
VN0326WBL01

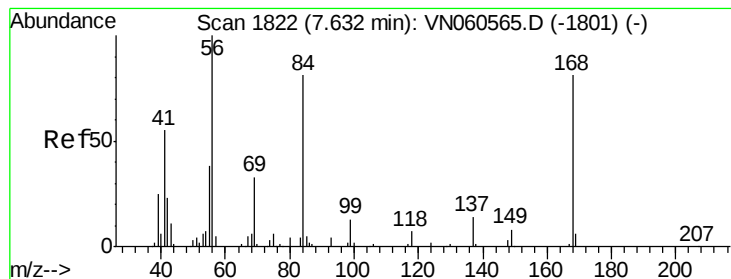
Tgt Ion: 43 Resp: 348
Ion Ratio Lower Upper
43 100
58 0.0 25.1 37.7#



#18
Methyl Acetate
Concen: 0.706 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060707.D
Acq: 26 Mar 2020 12:06

Tgt Ion: 43 Resp: 1830
Ion Ratio Lower Upper
43 100
74 12.5 17.5 26.3#





#31

Cyclohexane

Concen: 0.979 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060707.D

Acq: 26 Mar 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBL01

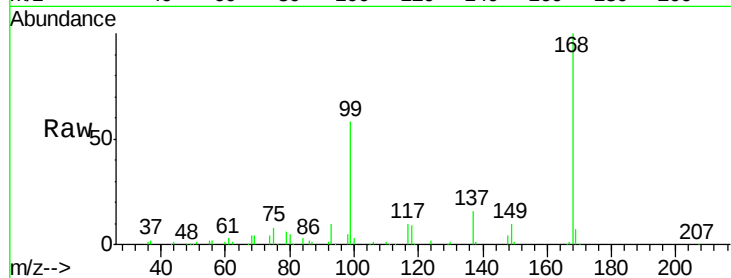
Tgt Ion: 56 Resp: 4100

Ion Ratio Lower Upper

56 100

69 171.0 26.6 40.0#

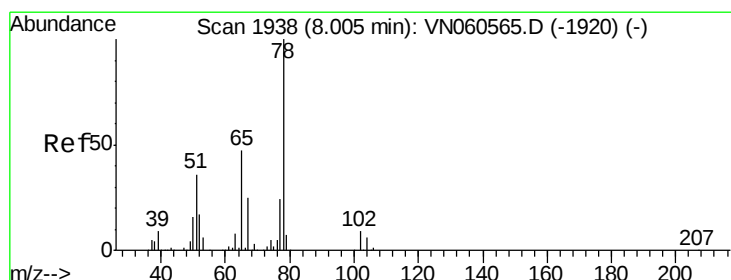
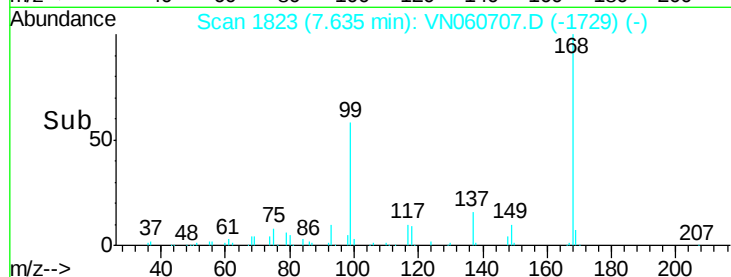
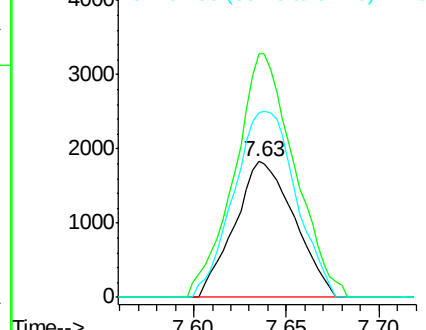
84 136.5 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.194 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060707.D

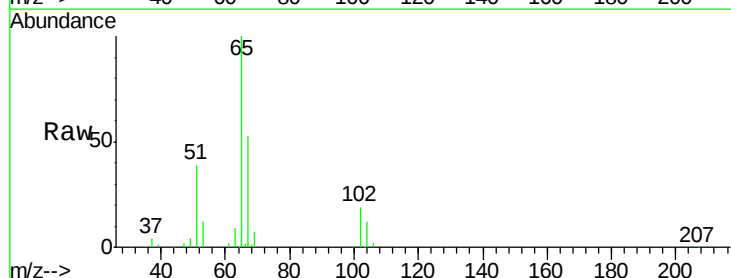
Acq: 26 Mar 2020 12:06

Tgt Ion: 65 Resp: 122667

Ion Ratio Lower Upper

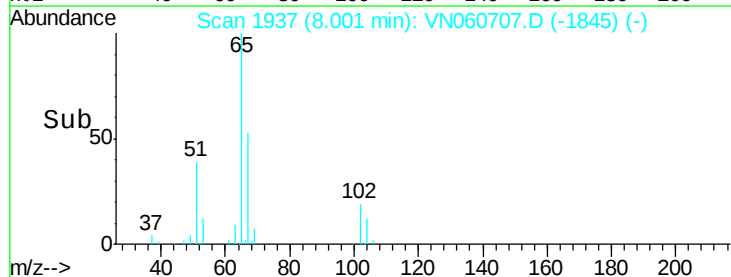
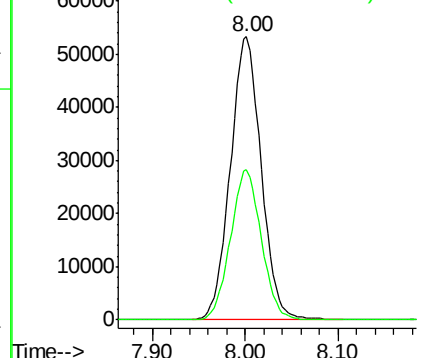
65 100

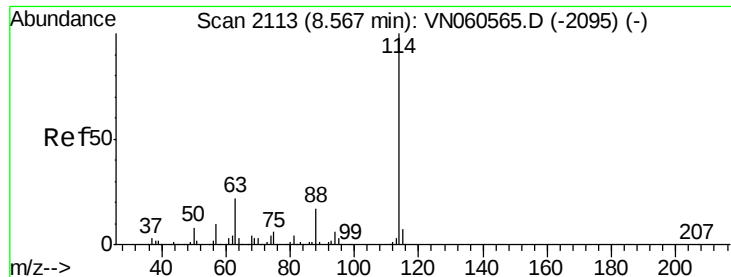
67 52.9 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

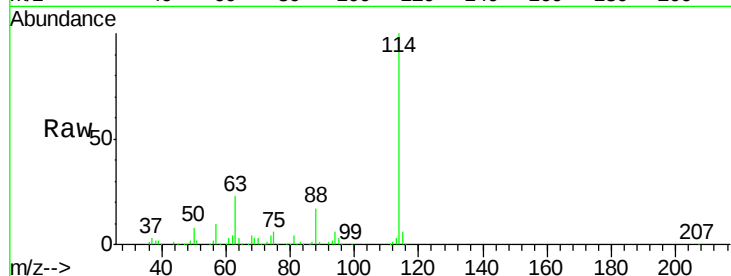




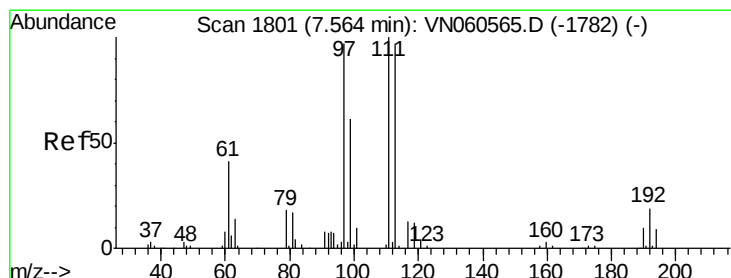
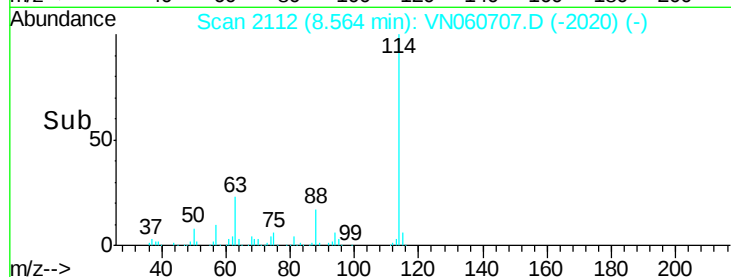
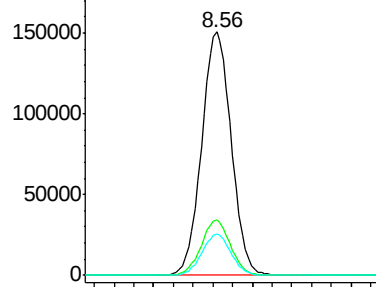
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.56 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VN060707.D
Acq: 26 Mar 2020 12:06

Instrument :
MSVOA_N
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VN0326WBL01

Tgt Ion:114 Resp: 313940
Ion Ratio Lower Upper
114 100
63 22.6 0.0 43.8
88 16.9 0.0 33.0

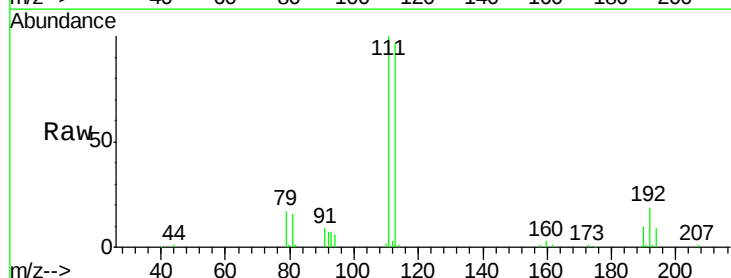


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

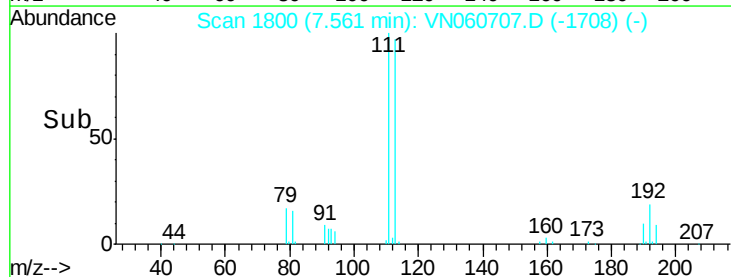
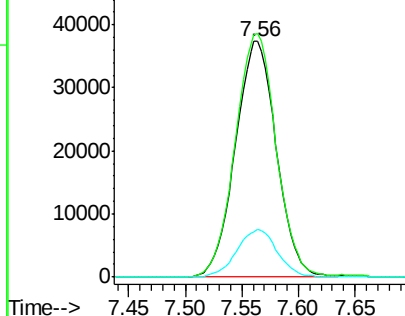


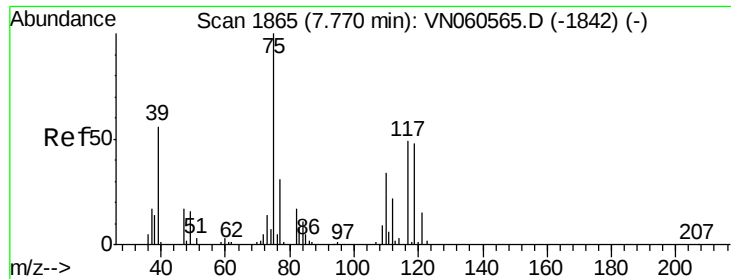
#35
Dibromofluoromethane
Concen: 49.686 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN060707.D
Acq: 26 Mar 2020 12:06

Tgt Ion:113 Resp: 94318
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 19.8 15.8 23.8



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

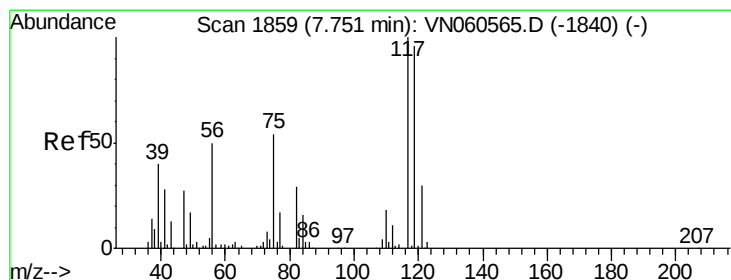
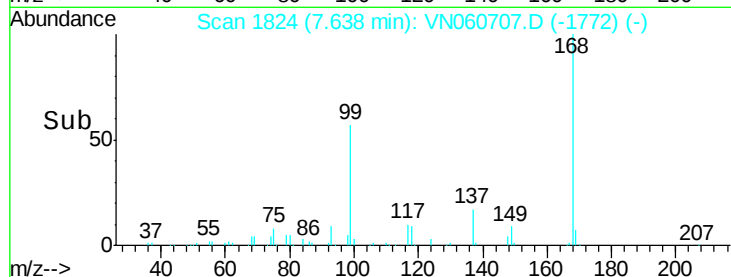
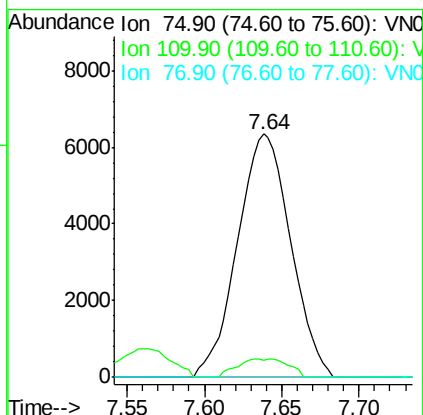
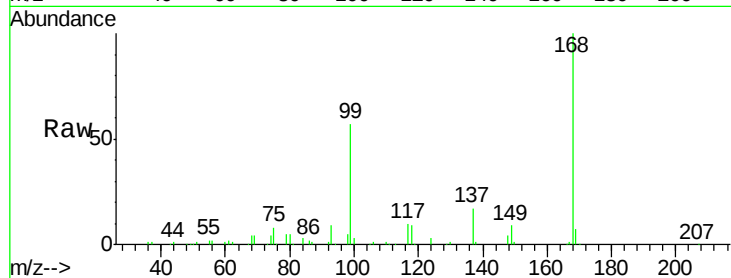




#36
 1,1-Dichloropropene
 Concen: 4.982 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060707.D
 Acq: 26 Mar 2020 12:06

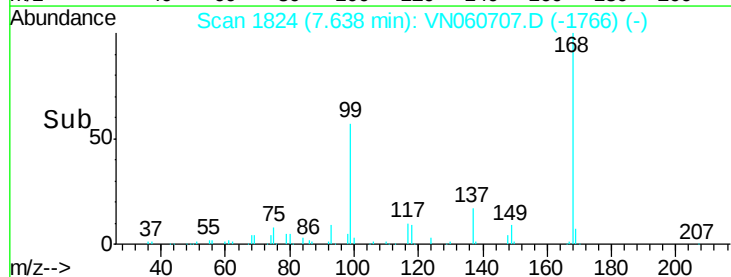
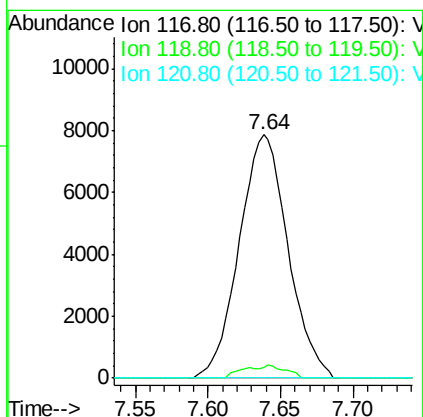
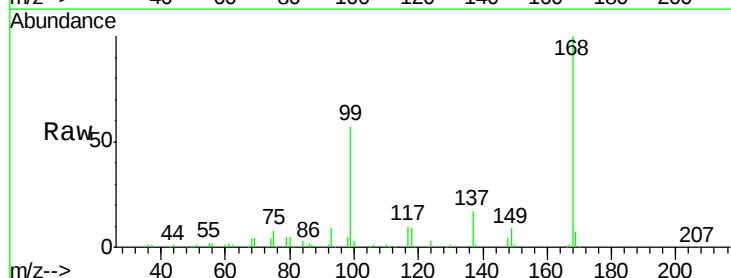
Instrument :
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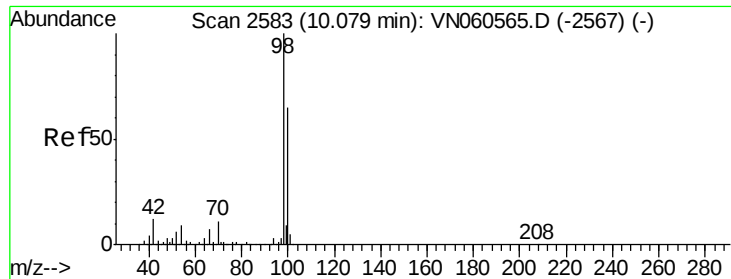
Tgt Ion: 75 Resp: 15144
 Ion Ratio Lower Upper
 75 100
 110 3.9 16.9 50.6#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.739 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN060707.D
 Acq: 26 Mar 2020 12:06

Tgt Ion: 117 Resp: 18360
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.2 114.2#
 121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 49.879 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060707.D

Acq: 26 Mar 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

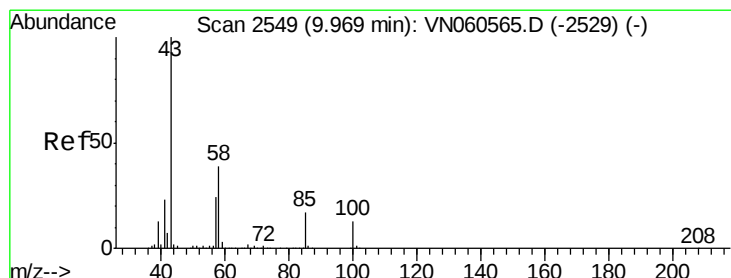
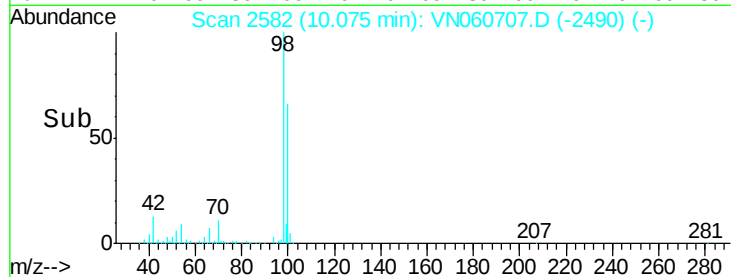
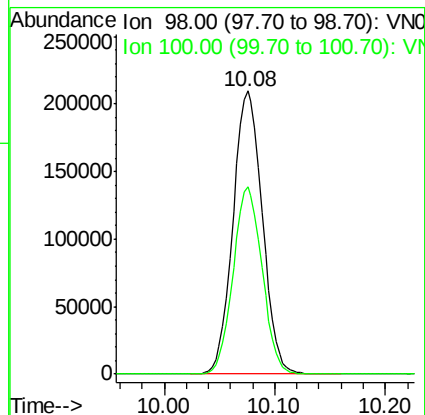
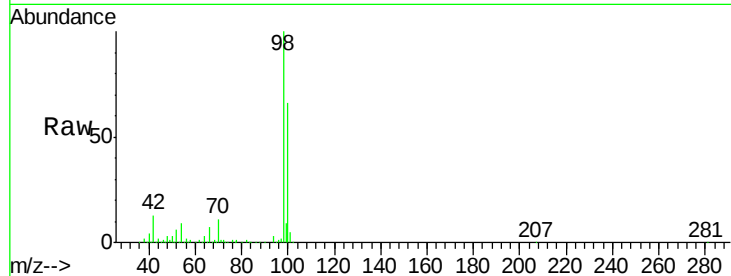
VN0326WBL01

Tgt Ion: 98 Resp: 386749

Ion Ratio Lower Upper

98 100

100 65.3 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 0.298 ug/l

RT: 9.96 min Scan# 2547

Delta R.T. -0.01 min

Lab File: VN060707.D

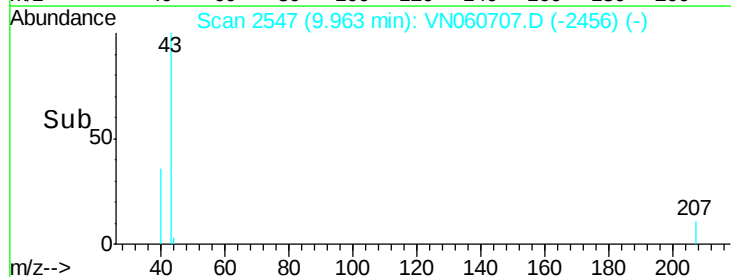
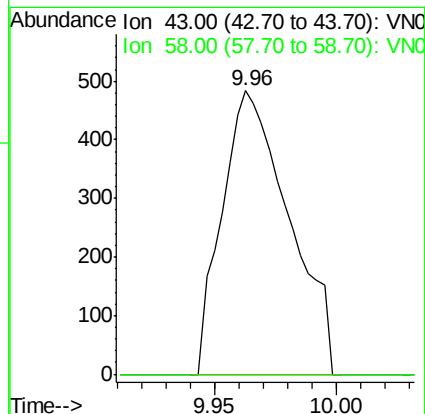
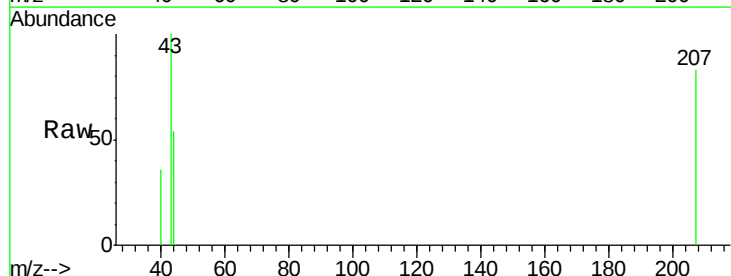
Acq: 26 Mar 2020 12:06

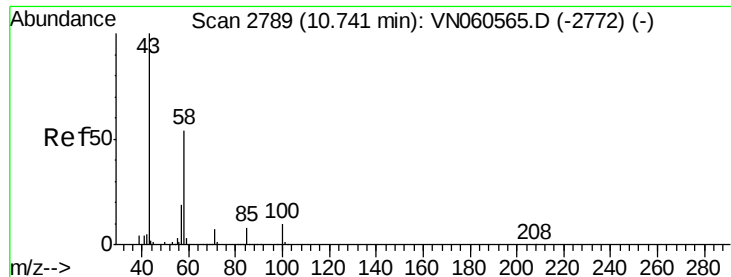
Tgt Ion: 43 Resp: 920

Ion Ratio Lower Upper

43 100

58 0.0 30.8 46.2#

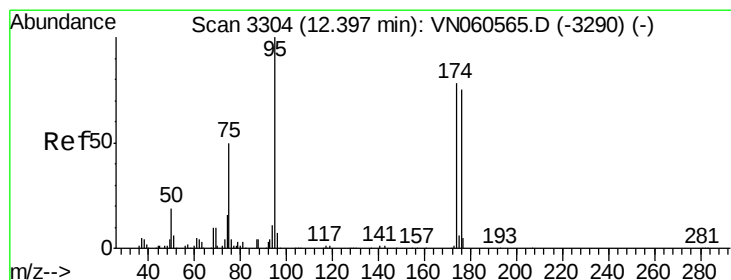
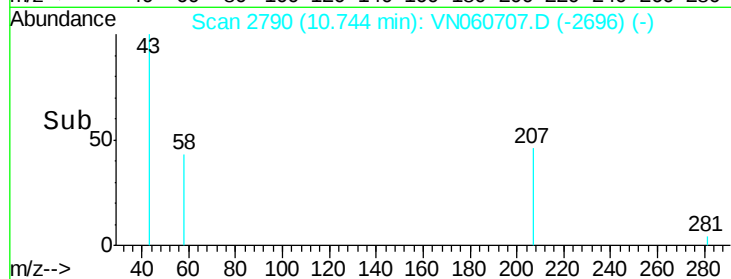
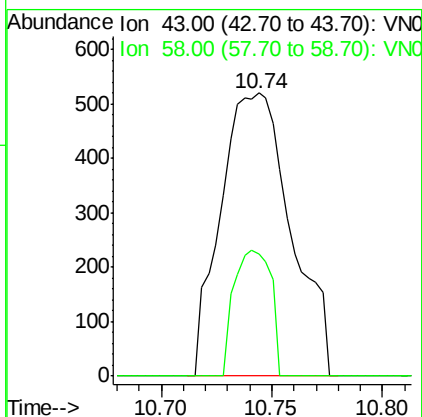
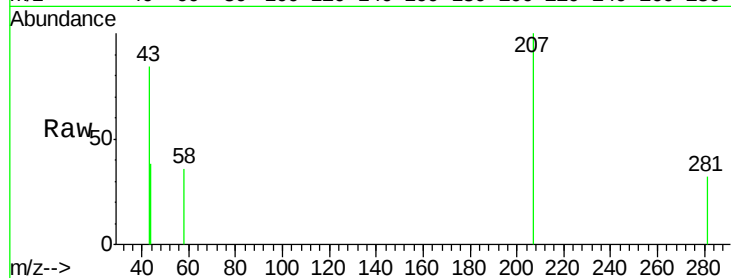




#59
2-Hexanone
Concen: 0.518 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN060707.D
Acq: 26 Mar 2020 12:06

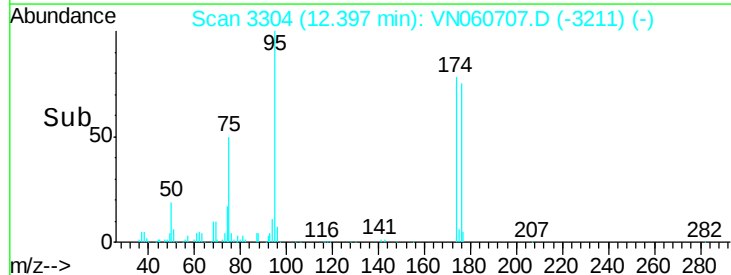
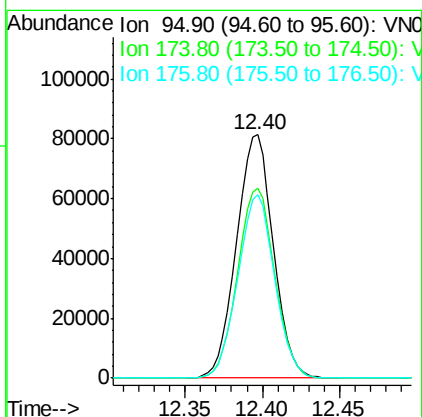
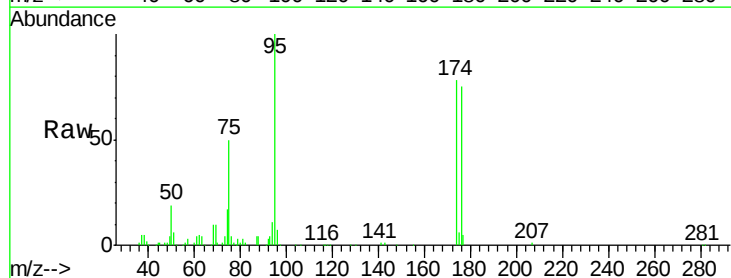
Instrument :
MSVOA_N
ClientSampled :
VN0326WBL01

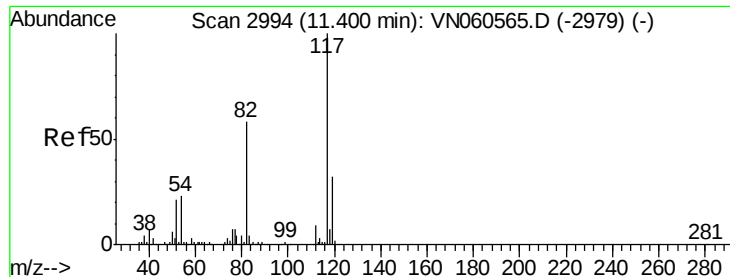
Tgt Ion: 43 Resp: 1151
Ion Ratio Lower Upper
43 100
58 23.5 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 47.487 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060707.D
Acq: 26 Mar 2020 12:06

Tgt Ion: 95 Resp: 134943
Ion Ratio Lower Upper
95 100
174 78.7 0.0 157.6
176 75.4 0.0 150.6

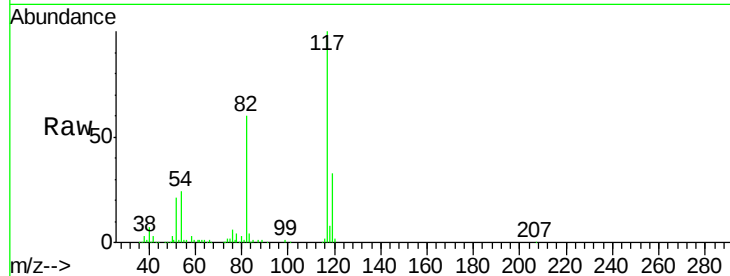




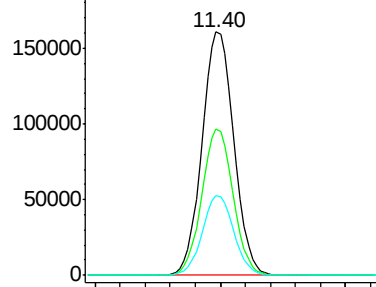
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060707.D
Acq: 26 Mar 2020 12:06

Instrument :
MSVOA_N
ClientSampled :
VN0326WBL01

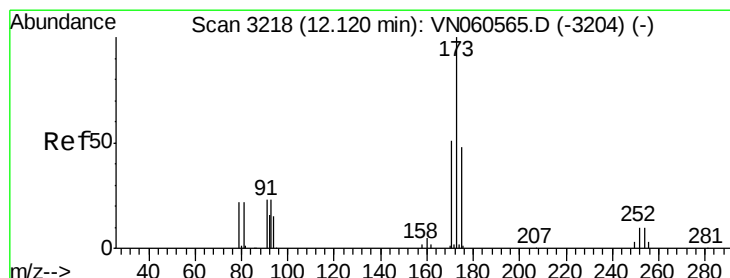
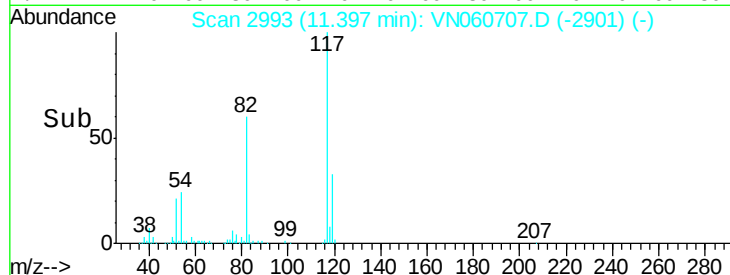
Tgt Ion:117 Resp: 282983
Ion Ratio Lower Upper
117 100
82 60.0 46.7 70.1
119 32.7 25.5 38.3



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

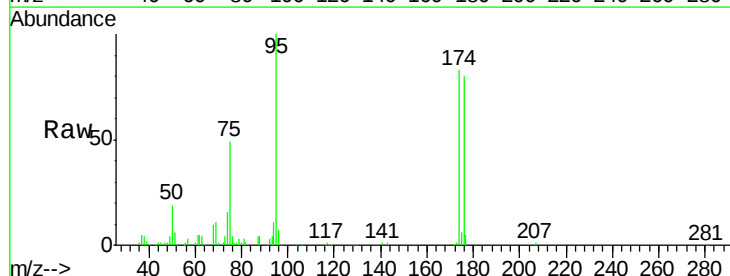


Time--> 11.30 11.40 11.50

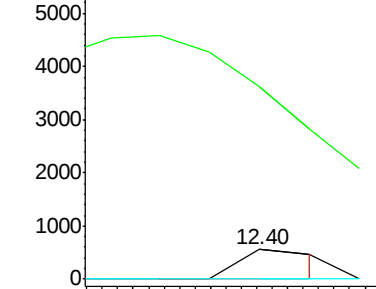


#71
Bromoform
Concen: 1.795 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN060707.D
Acq: 26 Mar 2020 12:06

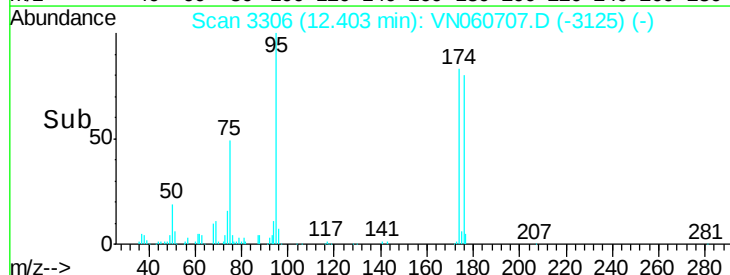
Tgt Ion:173 Resp: 200
Ion Ratio Lower Upper
173 100
175 3344.5 24.1 72.4#
254 0.0 0.0 0.0

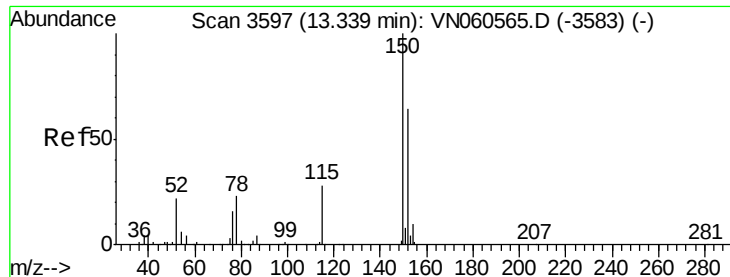


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



Time--> 12.40 12.40 12.40





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060707.D

Acq: 26 Mar 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN0326WBL01

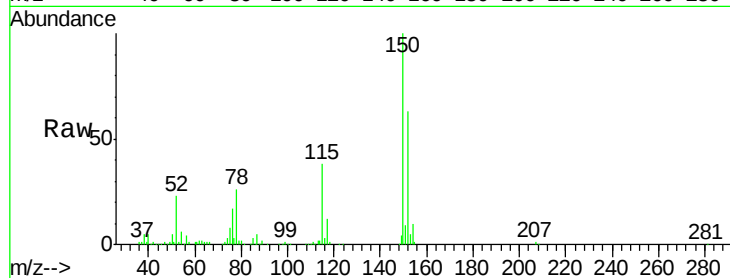
Tgt Ion: 152 Resp: 115708

Ion Ratio Lower Upper

152 100

115 61.1 30.2 90.6

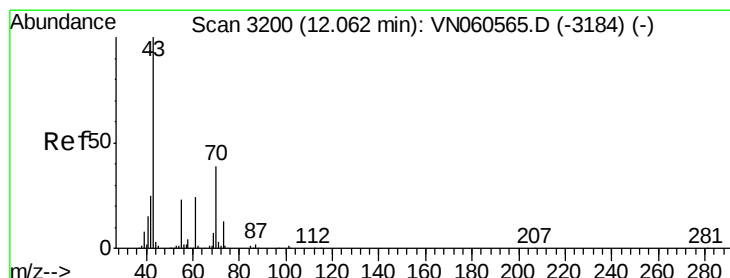
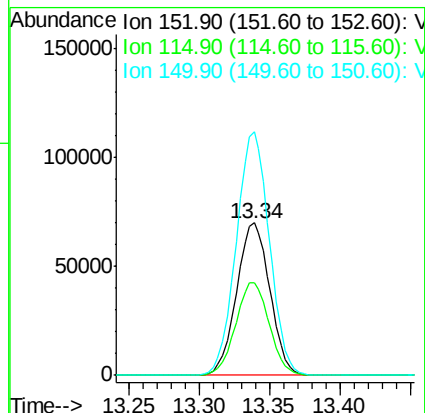
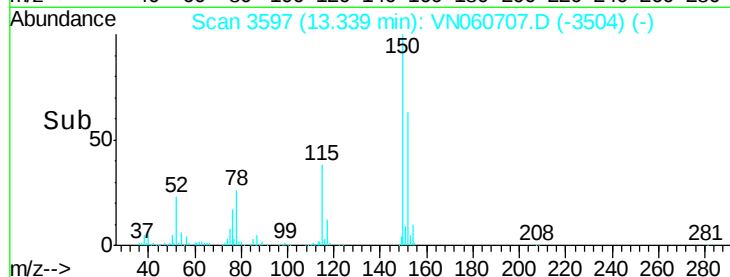
150 159.1 0.0 350.2



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: 0.217 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060707.D

Acq: 26 Mar 2020 12:06

Tgt Ion: 43 Resp: 869

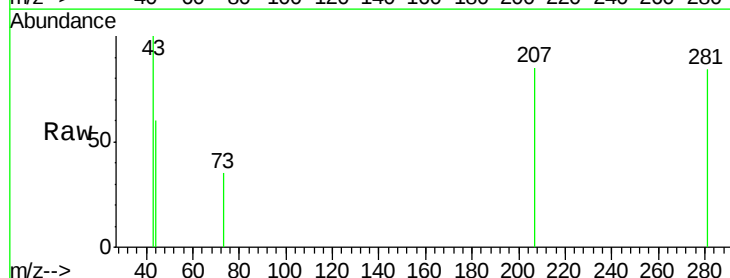
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

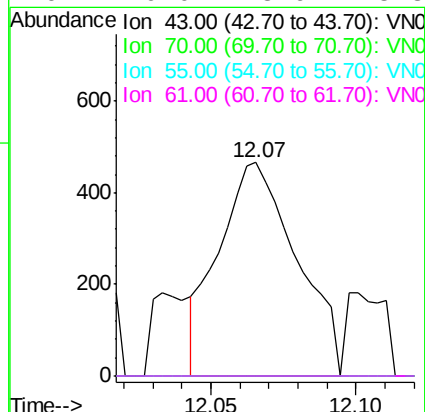
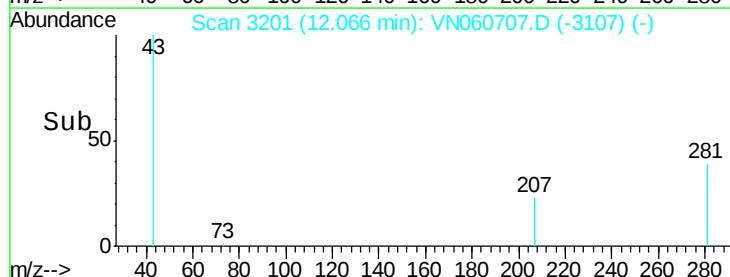


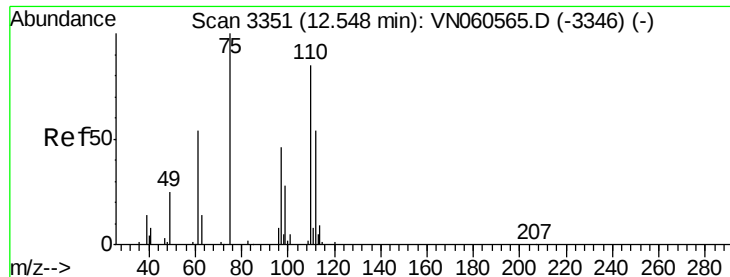
Abundance Ion 43.00 (42.70 to 43.70): V

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: 27.389 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060707.D

Acq: 26 Mar 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

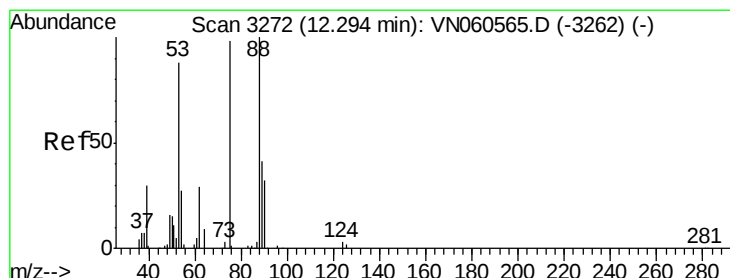
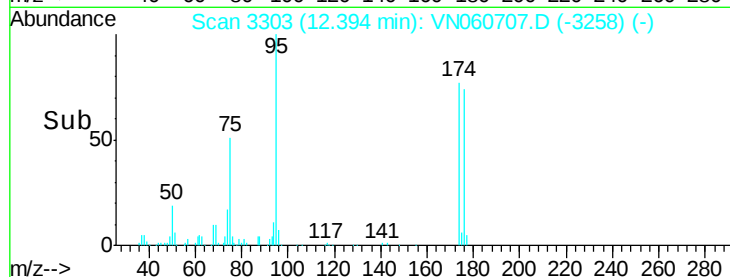
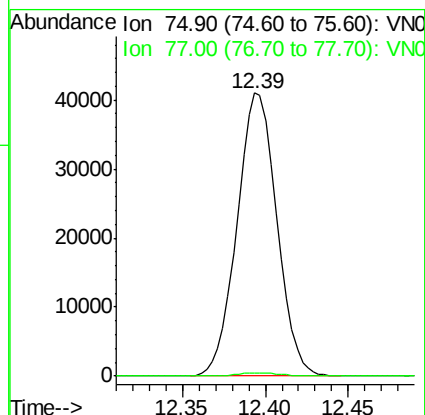
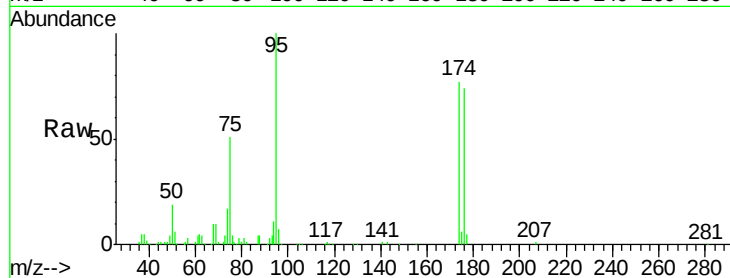
VN0326WBL01

Tgt Ion: 75 Resp: 68383

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.343 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060707.D

Acq: 26 Mar 2020 12:06

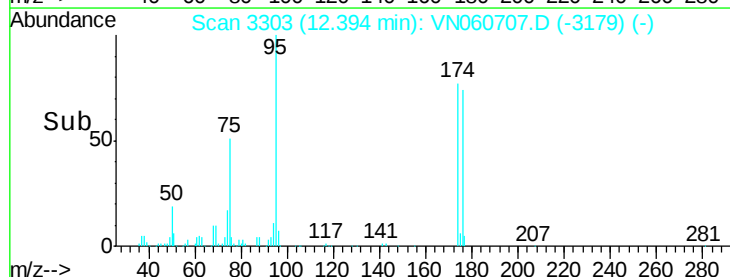
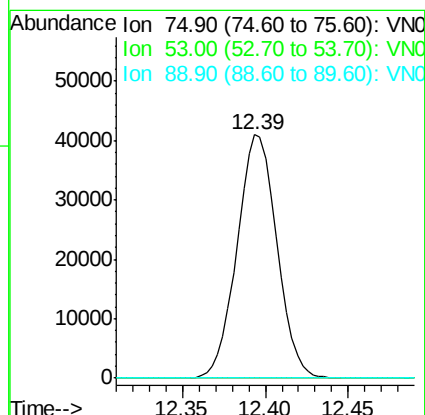
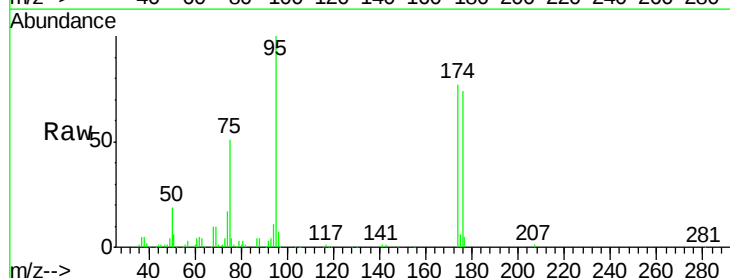
Tgt Ion: 75 Resp: 68383

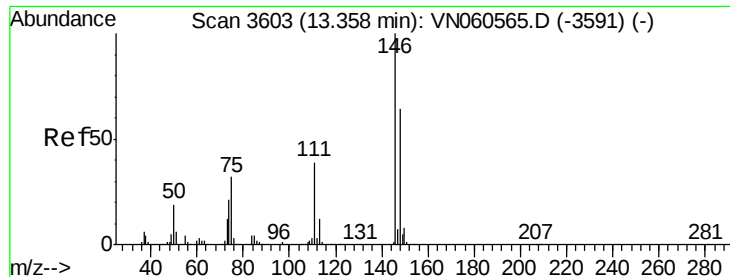
Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

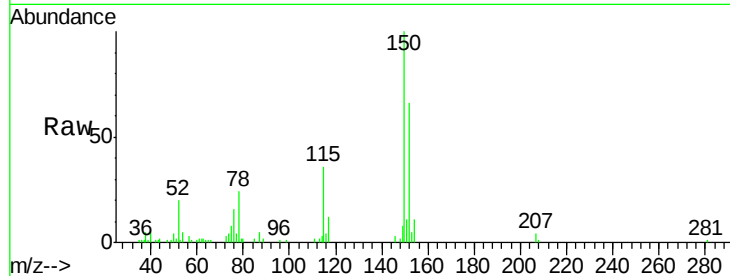




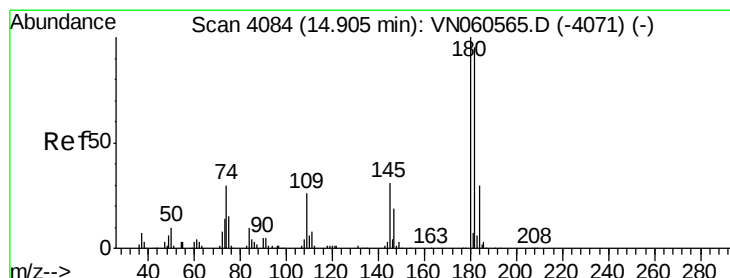
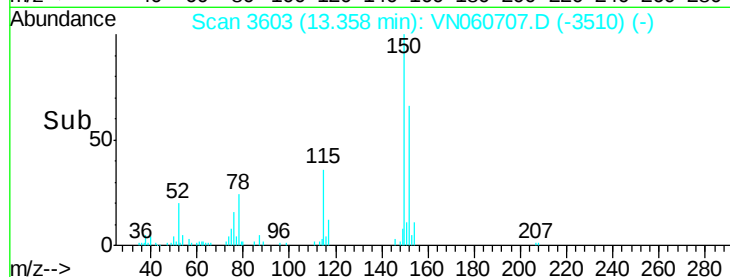
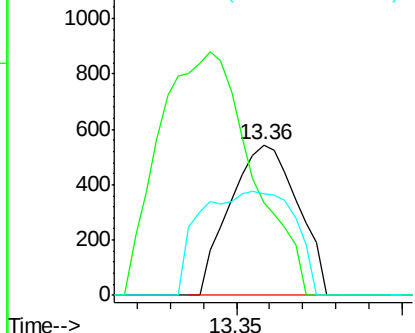
#88
 1,4-Dichlorobenzene
 Concen: 0.208 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060707.D
 Acq: 26 Mar 2020 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBL01

Tgt Ion:146 Resp: 773
 Ion Ratio Lower Upper
 146 100
 111 219.9 19.6 58.7#
 148 95.7 32.1 96.3

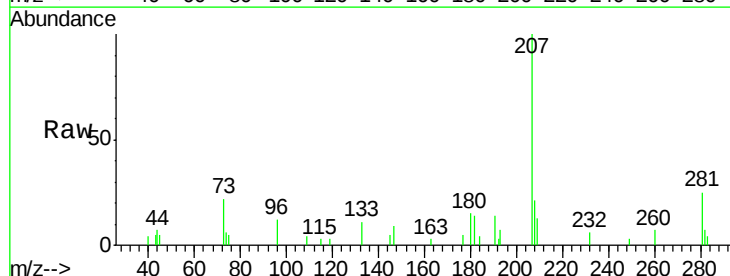


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

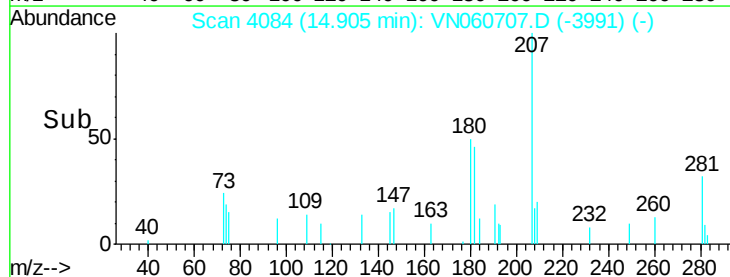
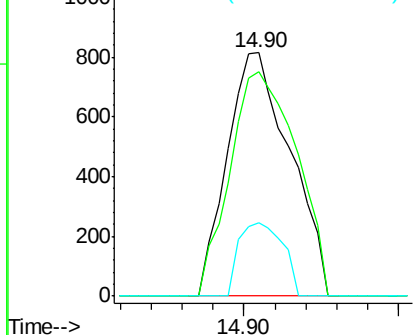


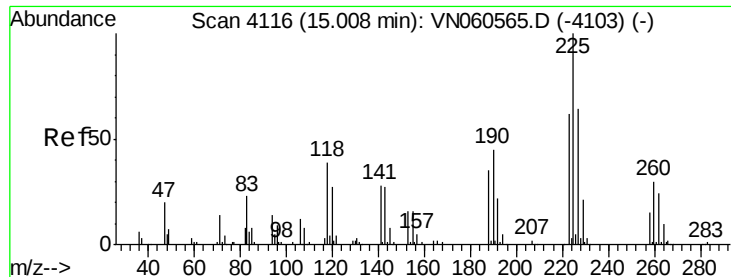
#93
 1,2,4-Trichlorobenzene
 Concen: 0.533 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060707.D
 Acq: 26 Mar 2020 12:06

Tgt Ion:180 Resp: 1156
 Ion Ratio Lower Upper
 180 100
 182 97.4 47.9 143.8
 145 20.8 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.274 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN060707.D

Acq: 26 Mar 2020 12:06

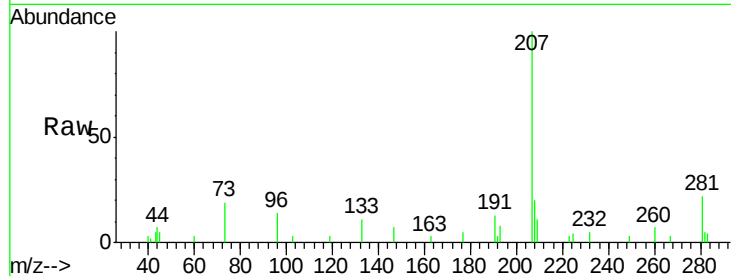
Instrument :

MSVOA_N

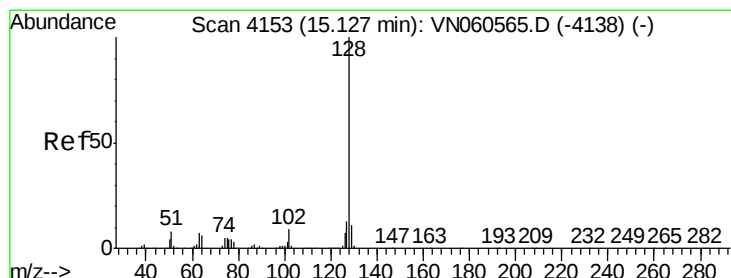
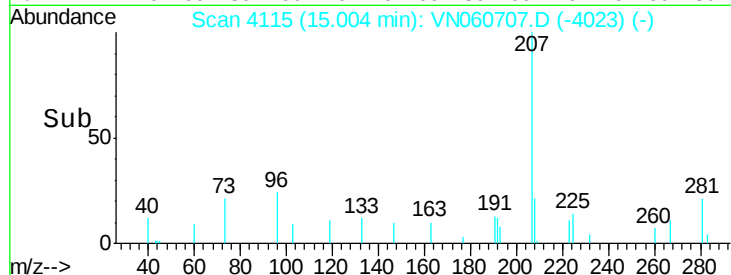
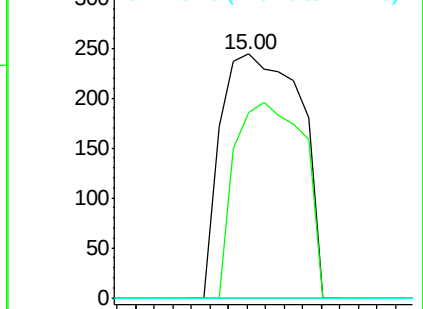
ClientSampleId :

VN0326WBL01

Tgt Ion:	225	Resp:	291
Ion Ratio	Lower	Upper	
225	100		
223	69.4	31.6	95.0
227	0.0	32.3	96.8#



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.755 ug/l

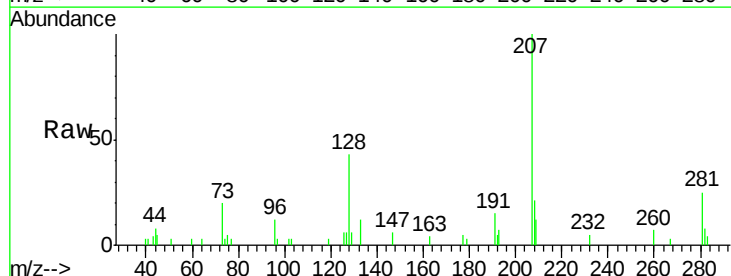
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

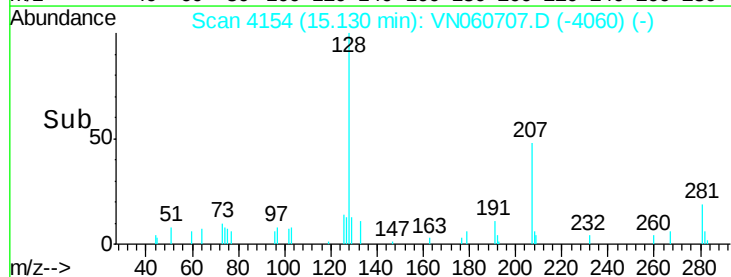
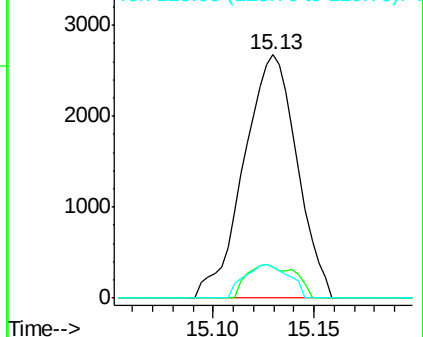
Lab File: VN060707.D

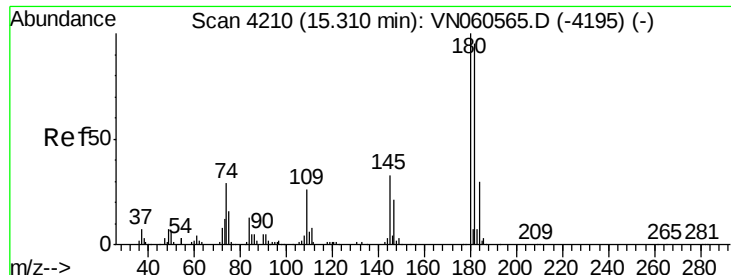
Acq: 26 Mar 2020 12:06

Tgt Ion:	128	Resp:	4920
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.2
129	11.7	8.8	13.2



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





#96
 1,2,3-Trichlorobenzene
 Concen: 0.647 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060707.D
 Acq: 26 Mar 2020 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.5	142.6
145	26.8	16.3	48.8

