

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060579.D
 Acq On : 18 Mar 2020 10:02
 Operator : JC/MD
 Sample : VN0318MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBL01

Quant Time: Mar 19 04:57:36 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	194019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	321610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	283352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	112001	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	122557	46.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.02%	
35) Dibromofluoromethane	7.56	113	94244	48.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.92%	
50) Toluene-d8	10.08	98	391485	49.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.40	95	132554	45.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.06%	

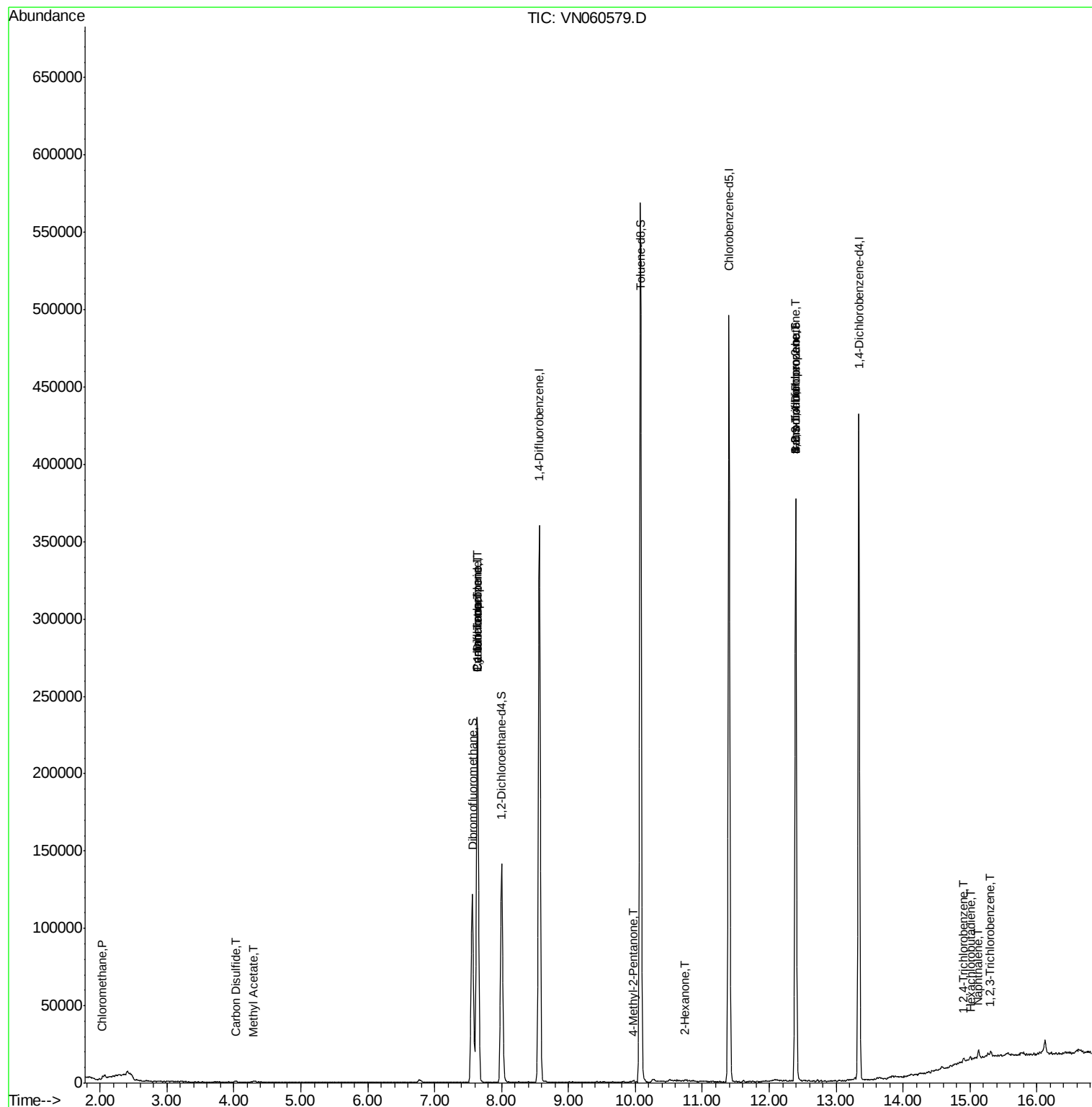
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1387	0.396	ug/l	90
17) Carbon Disulfide	4.03	76	1394	0.218	ug/l #	75
18) Methyl Acetate	4.29	43	1069	0.403	ug/l #	54
31) Cyclohexane	7.64	56	4235	0.987	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15641	5.023	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18670	6.689	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	950	0.301	ug/l #	71
59) 2-Hexanone	10.75	43	902	0.397	ug/l	74
71) Bromoform	12.39	173	162	1.773	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	66992	27.720	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	66992	71.193	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31	Below Cal	#	3
93) 1,2,4-Trichlorobenzene	14.90	180	1038	0.495	ug/l	92
94) Hexachlorobutadiene	15.00	225	545	0.530	ug/l	94
95) Naphthalene	15.13	128	4598	0.729	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	1489	0.721	ug/l	97

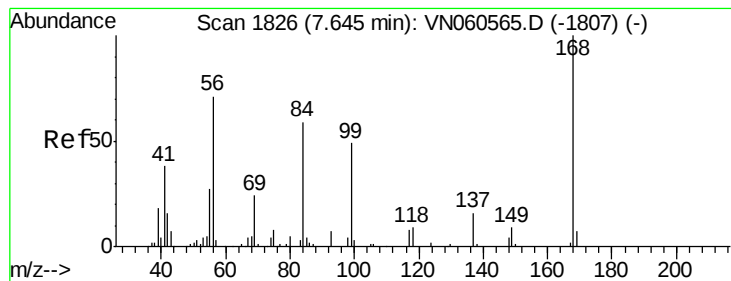
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060579.D

Acq: 18 Mar 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

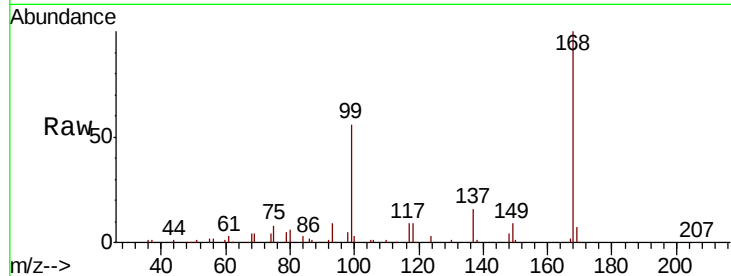
VN0318MBL01

Tot Ion:168 Resp: 194019

Ion Ratio Lower Upper

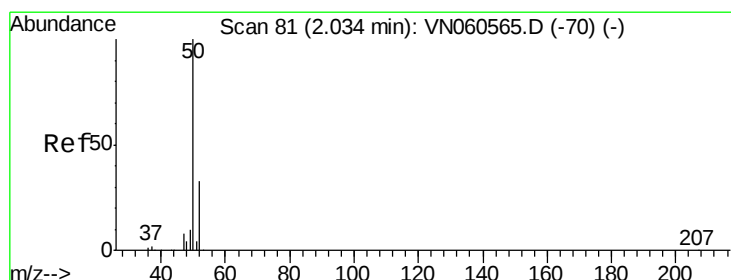
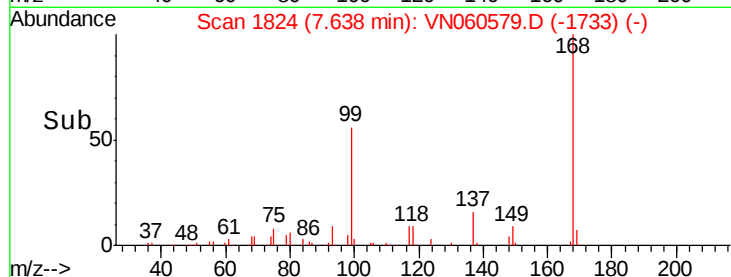
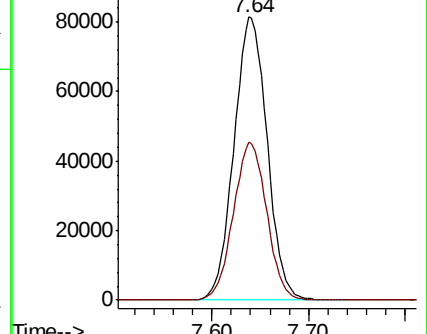
168 100

99 55.9 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: 0.396 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060579.D

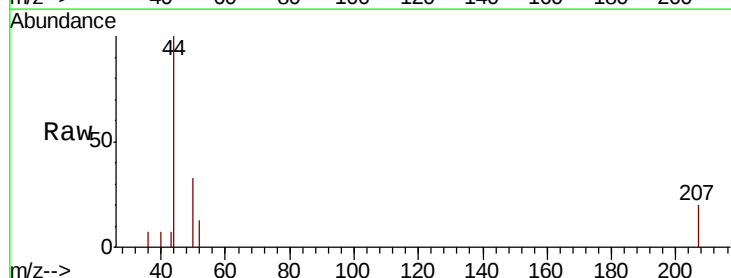
Acq: 18 Mar 2020 10:02

Tgt Ion: 50 Resp: 1387

Ion Ratio Lower Upper

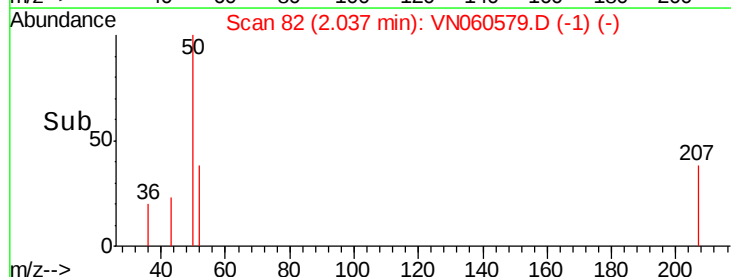
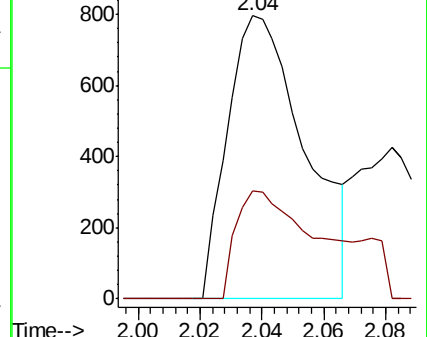
50 100

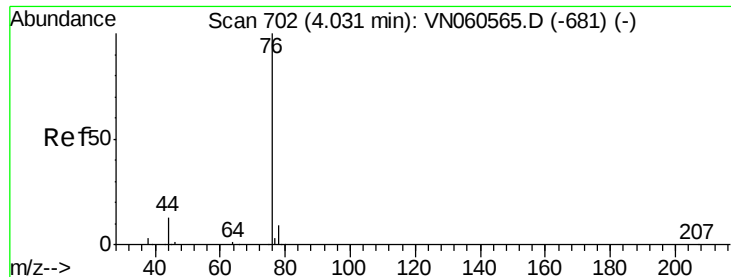
52 38.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

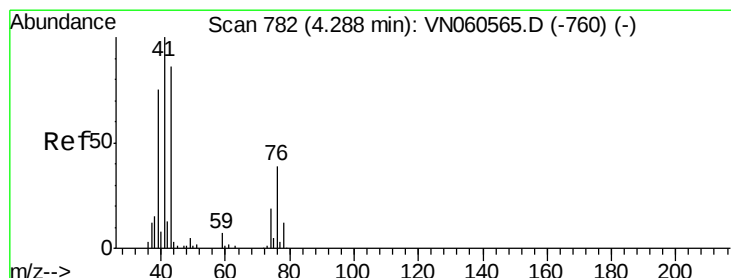
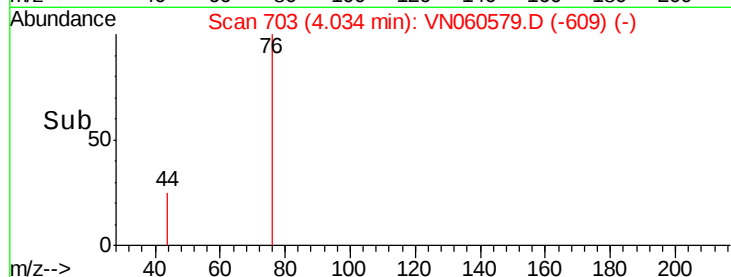
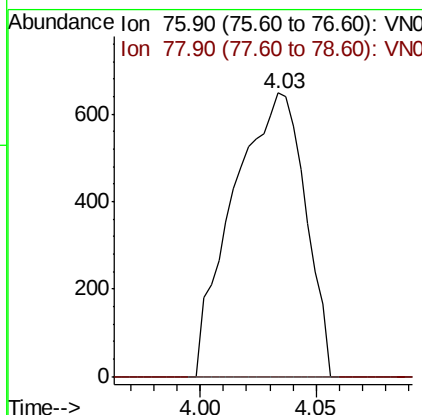
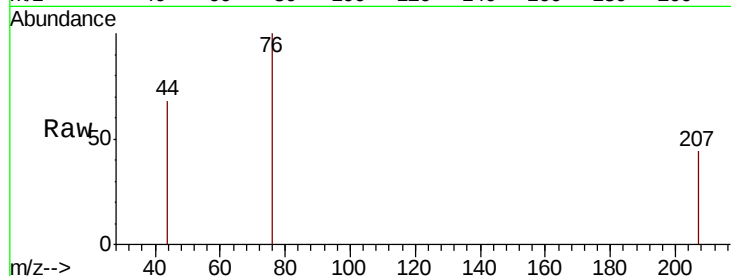




#17
Carbon Disulfide
Concen: 0.218 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060579.D
Acq: 18 Mar 2020 10:02

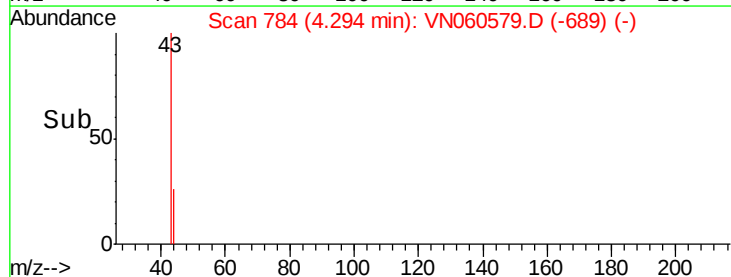
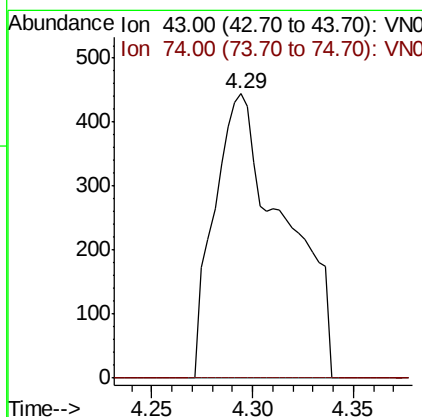
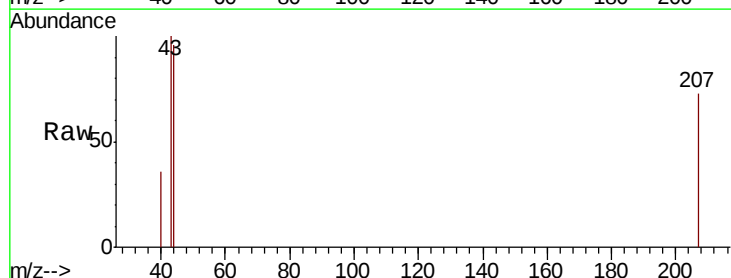
Instrument :
MSVOA_N
ClientSampleId :
VN0318MBL01

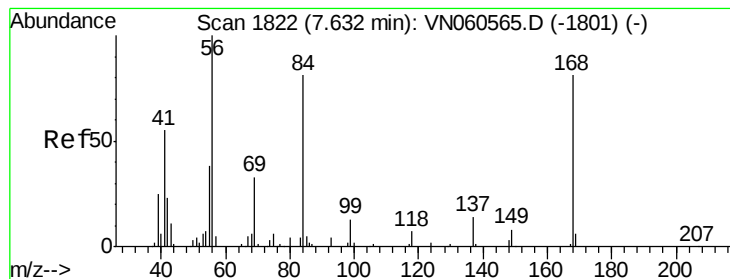
Tot Ion: 76 Resp: 1394
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.403 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060579.D
Acq: 18 Mar 2020 10:02

Tgt Ion: 43 Resp: 1069
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#





#31

Cyclohexane

Concen: 0.987 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060579.D

Acq: 18 Mar 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBL01

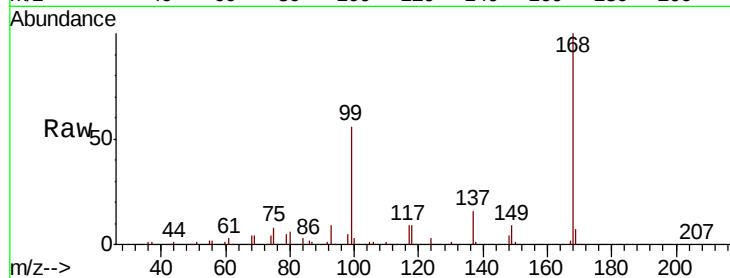
Tot Ion: 56 Resp: 4235

Ion Ratio Lower Upper

56 100

69 170.6 26.6 40.0#

84 152.3 64.3 96.5#

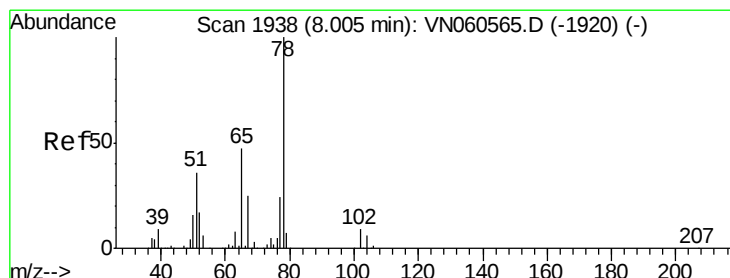
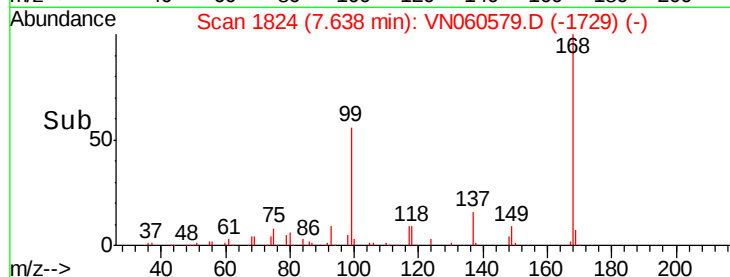
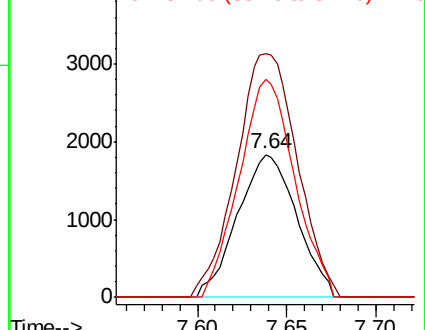


Abundance

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: 46.015 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060579.D

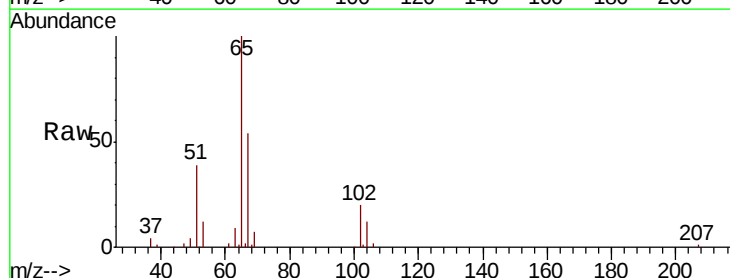
Acq: 18 Mar 2020 10:02

Tgt Ion: 65 Resp: 122557

Ion Ratio Lower Upper

65 100

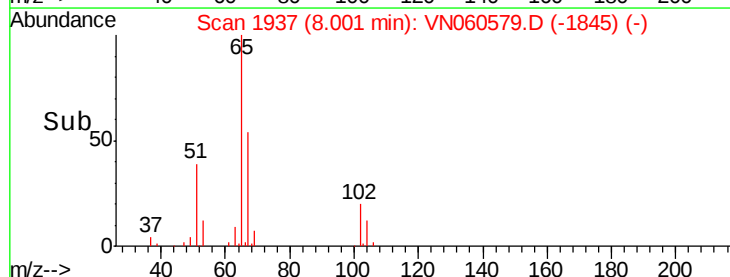
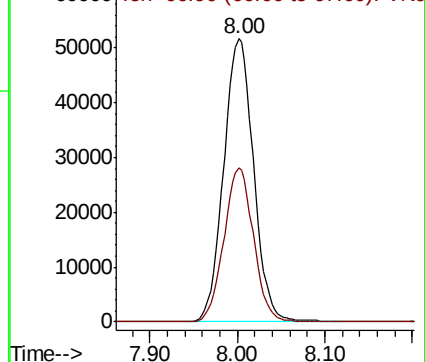
67 53.8 0.0 107.6

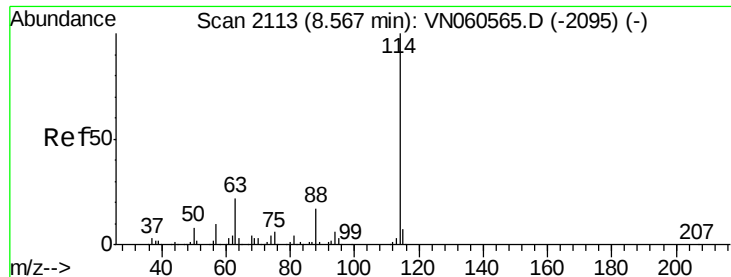


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

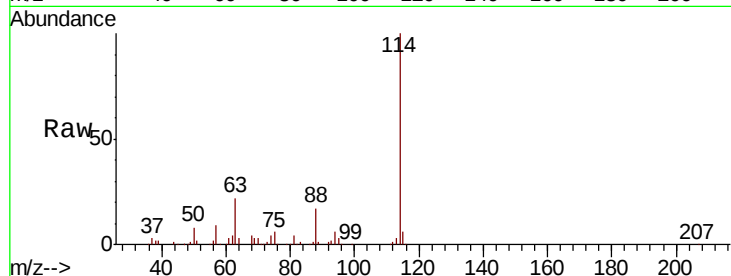




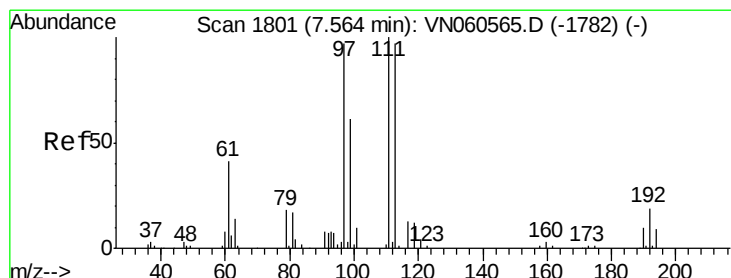
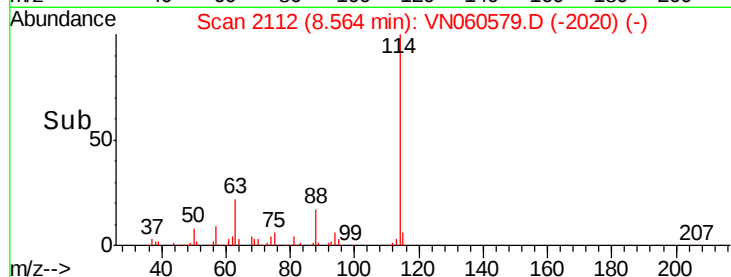
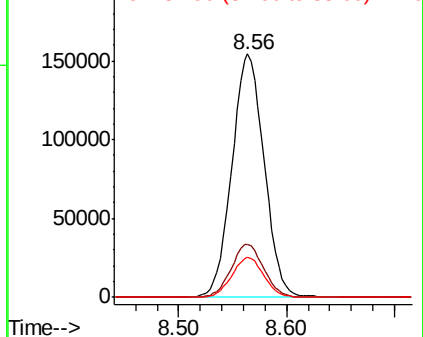
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.56 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VN060579.D
Acq: 18 Mar 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.8
88	16.5	0.0	33.0

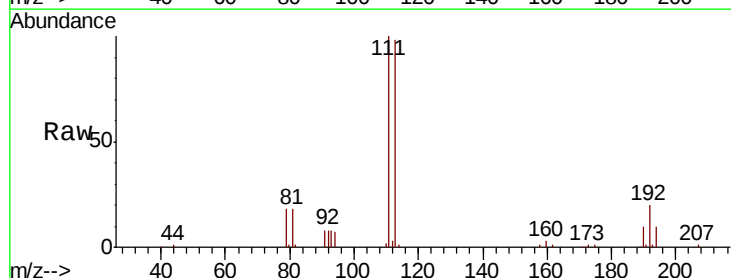


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

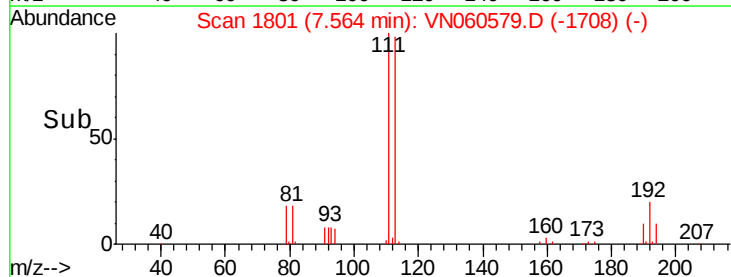
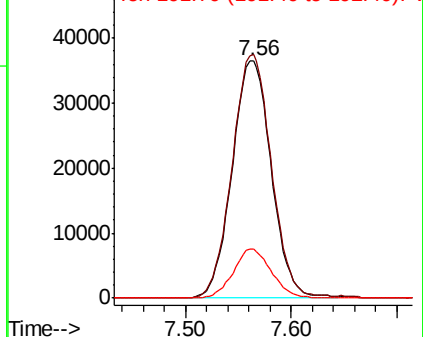


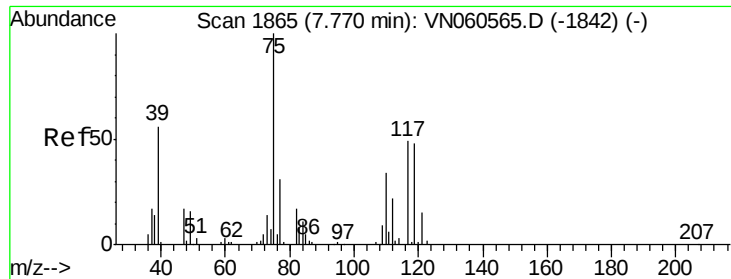
#35
Dibromofluoromethane
Concen: 48.463 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060579.D
Acq: 18 Mar 2020 10:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	19.9	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

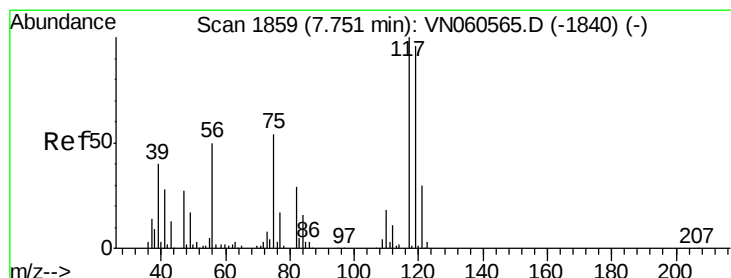
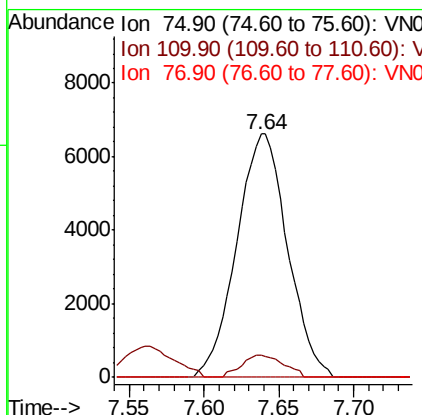
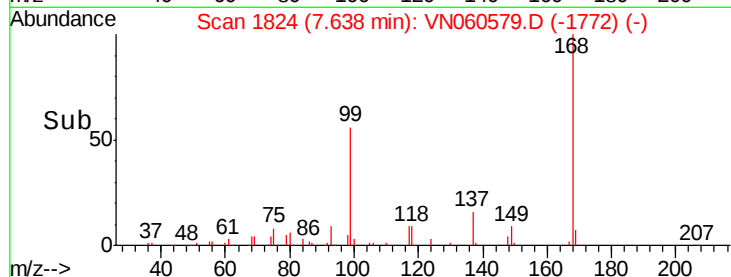
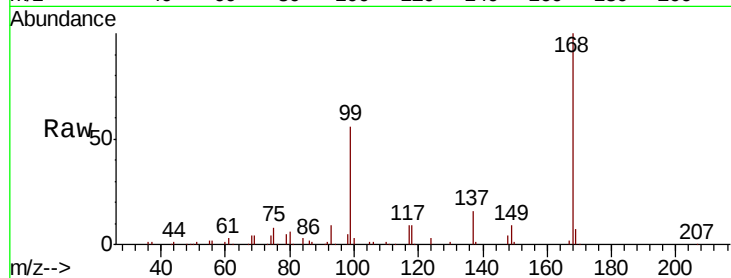




#36
 1,1-Dichloropropene
 Concen: 5.023 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060579.D
 Acq: 18 Mar 2020 10:02

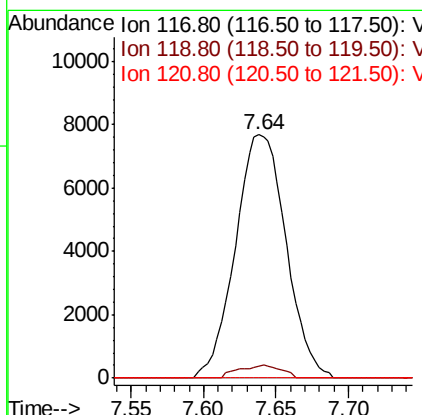
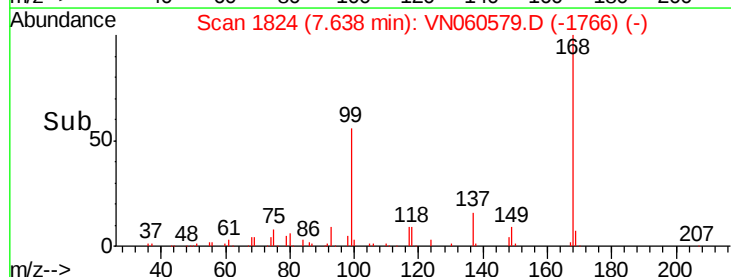
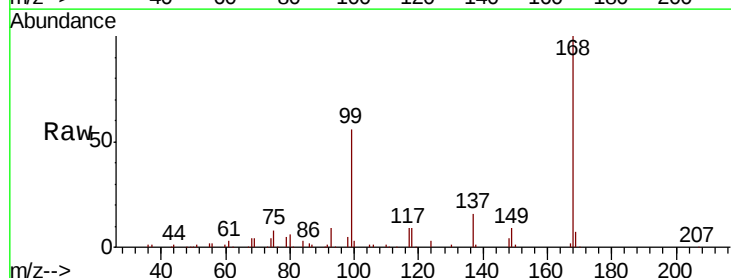
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBL01

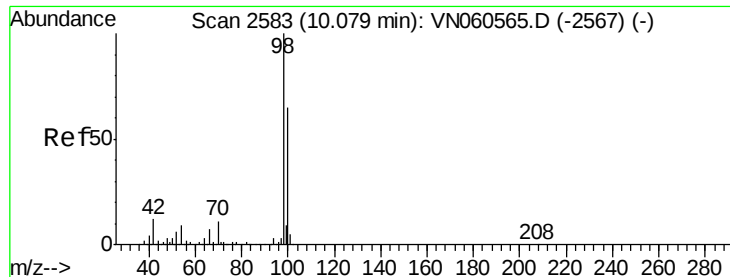
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.689 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN060579.D
 Acq: 18 Mar 2020 10:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.2	114.2#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 49.285 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060579.D

Acq: 18 Mar 2020 10:02

Instrument :

MSVOA_N

ClientSampleId :

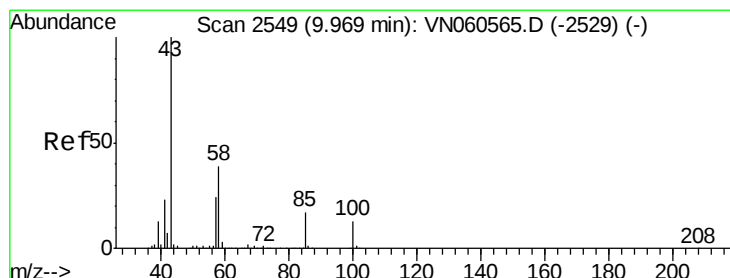
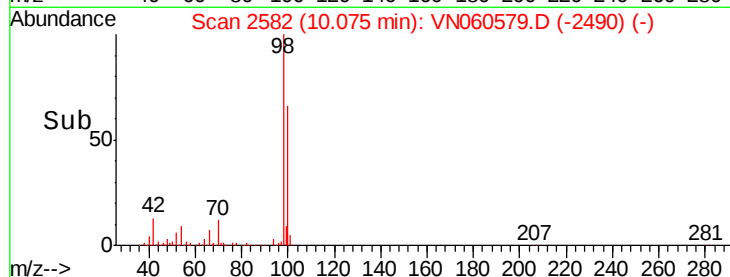
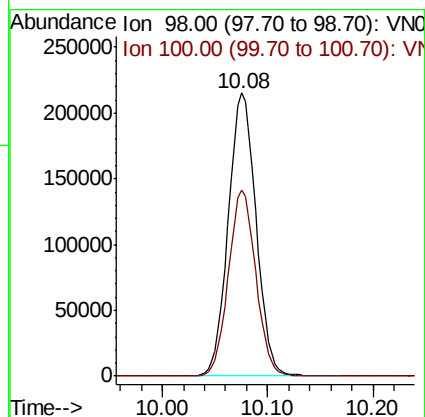
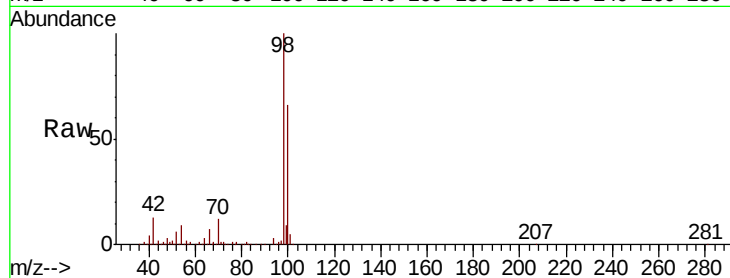
VN0318MBL01

Tot Ion: 98 Resp: 391485

Ion Ratio Lower Upper

98 100

100 64.9 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 0.301 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060579.D

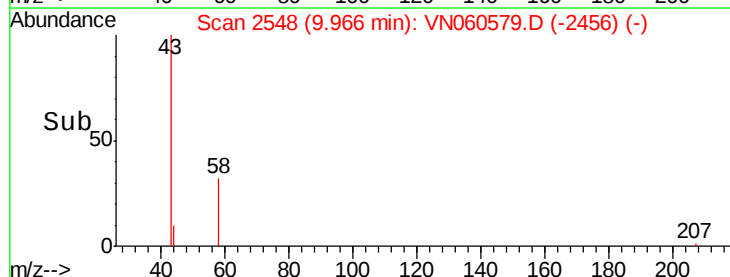
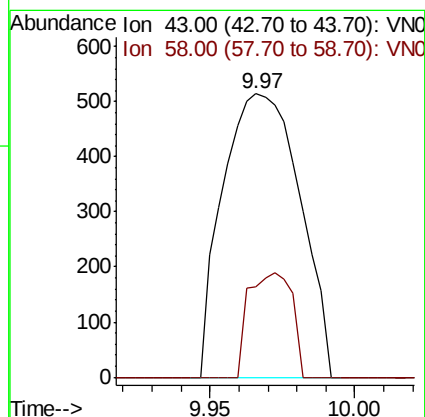
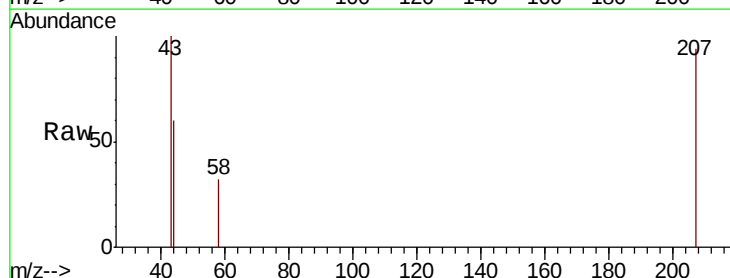
Acq: 18 Mar 2020 10:02

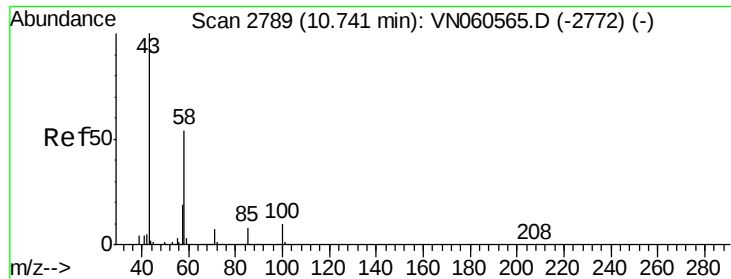
Tgt Ion: 43 Resp: 950

Ion Ratio Lower Upper

43 100

58 20.7 30.8 46.2#

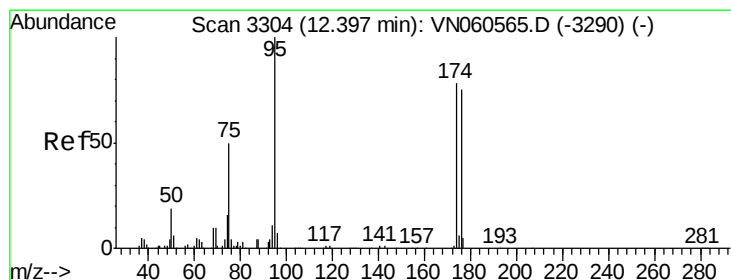
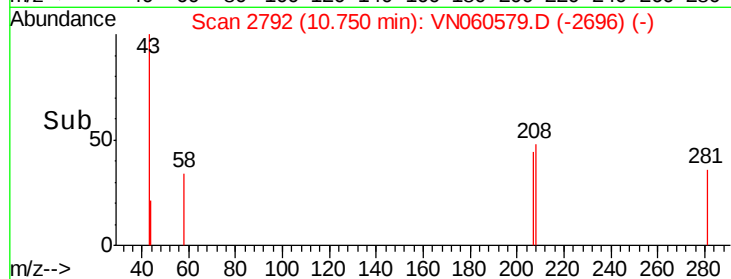
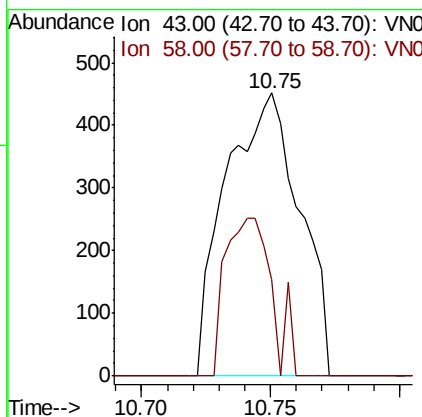
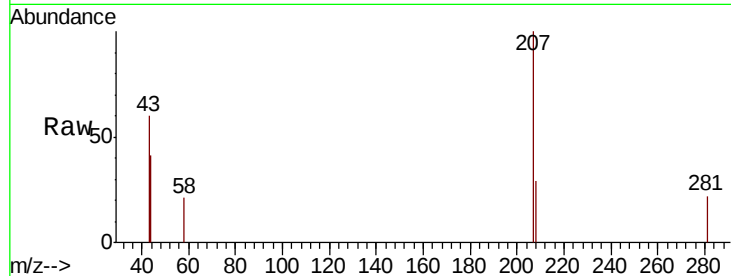




#59
2-Hexanone
Concen: 0.397 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.01 min
Lab File: VN060579.D
Acq: 18 Mar 2020 10:02

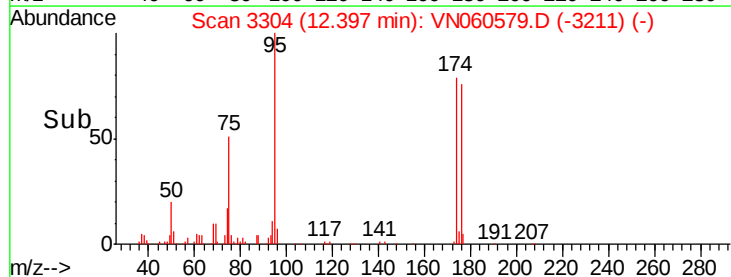
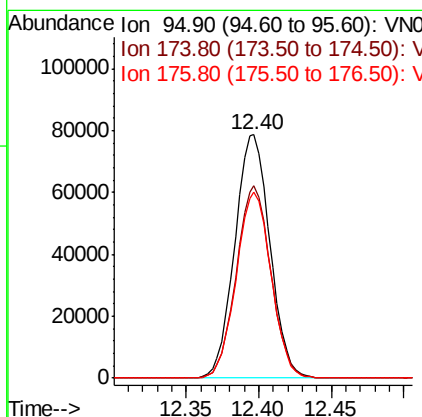
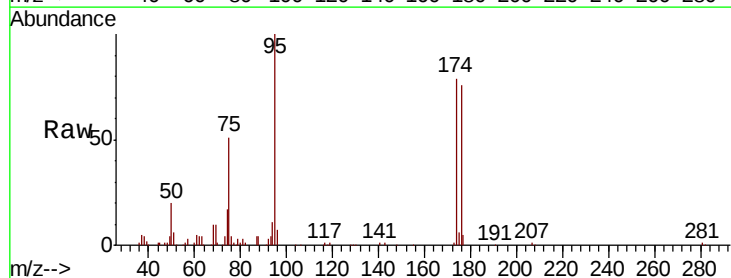
Instrument :
MSVOA_N
ClientSampled :
VN0318MBL01

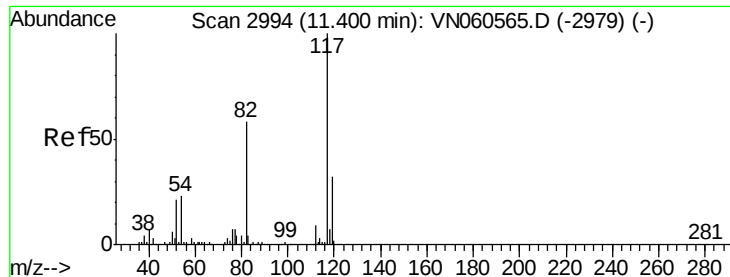
Tot Ion: 43 Resp: 902
Ion Ratio Lower Upper
43 100
58 35.1 26.7 80.1



#62
4-Bromofluorobenzene
Concen: 45.534 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060579.D
Acq: 18 Mar 2020 10:02

Tgt Ion: 95 Resp: 132554
Ion Ratio Lower Upper
95 100
174 77.8 0.0 157.6
176 76.0 0.0 150.6

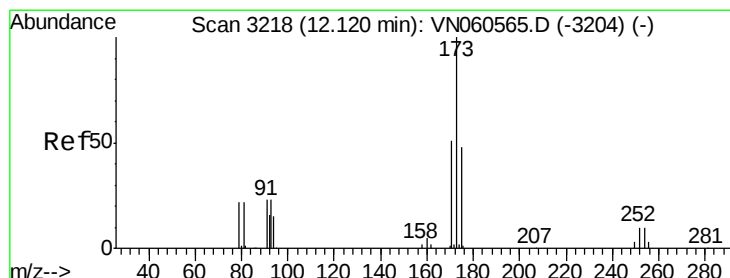
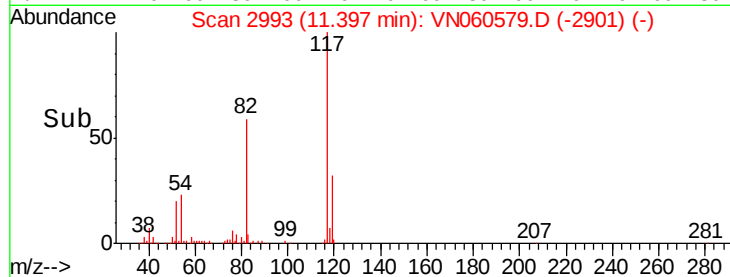
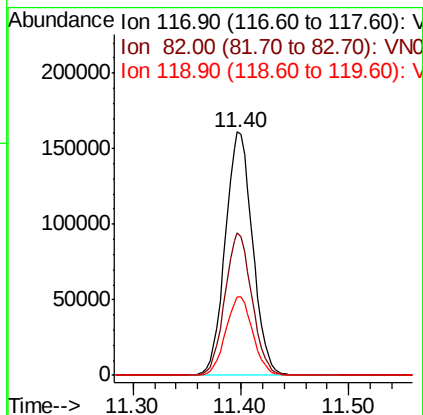
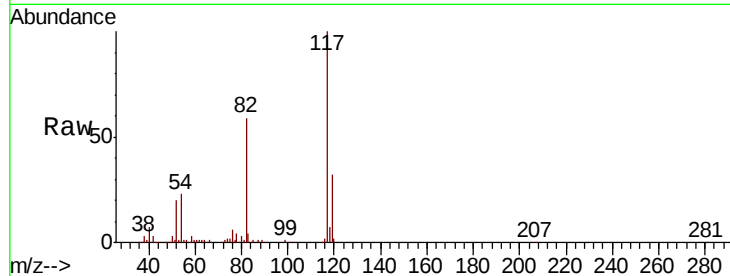




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060579.D
Acq: 18 Mar 2020 10:02

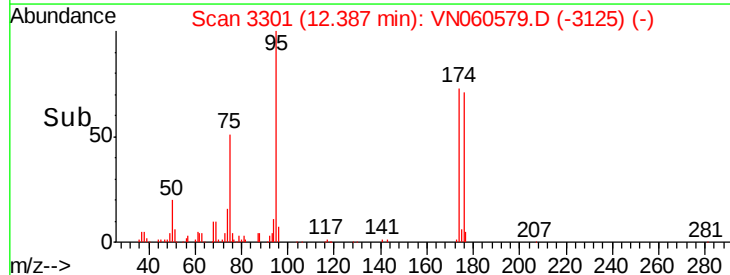
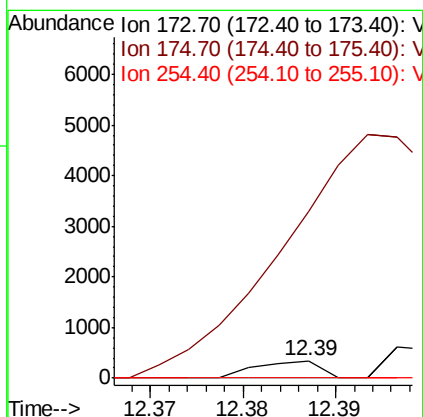
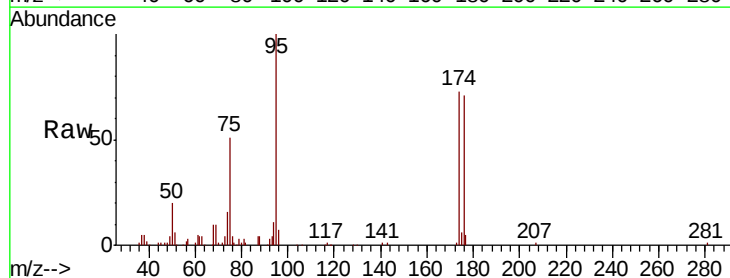
Instrument :
MSVOA_N
ClientSampleId :
VN0318MBL01

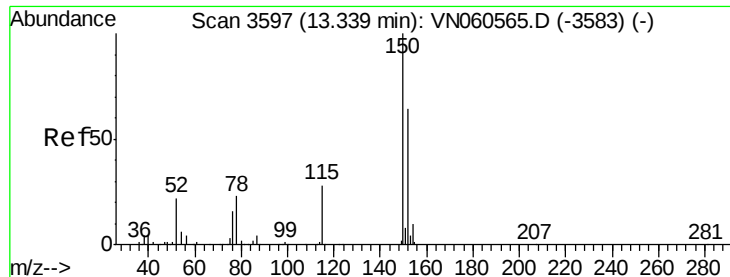
Tot Ion:117 Resp: 283352
Ion Ratio Lower Upper
117 100
82 58.5 46.7 70.1
119 32.2 25.5 38.3



#71
Bromoform
Concen: 1.773 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.27 min
Lab File: VN060579.D
Acq: 18 Mar 2020 10:02

Tgt Ion:173 Resp: 162
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0



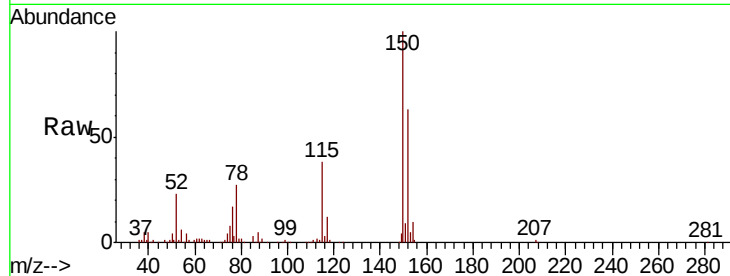


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060579.D
Acq: 18 Mar 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBL01

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.2	90.6
150	158.4	0.0	350.2

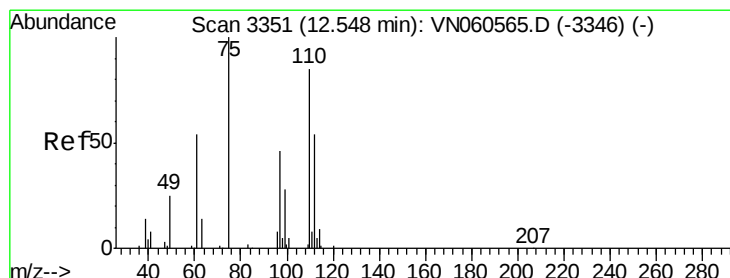
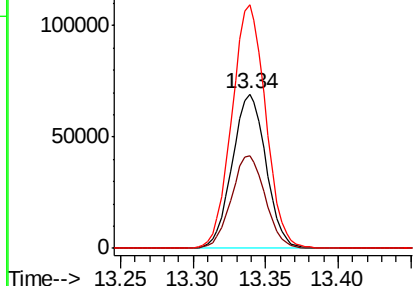
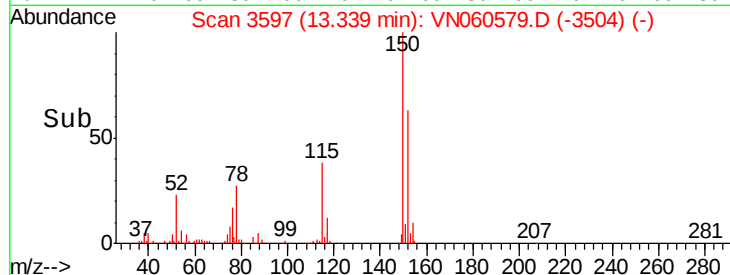


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

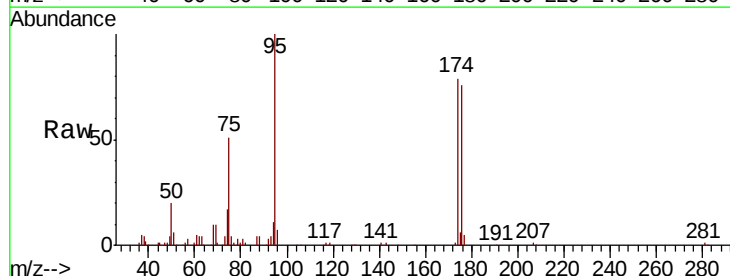
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 27.720 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060579.D
Acq: 18 Mar 2020 10:02

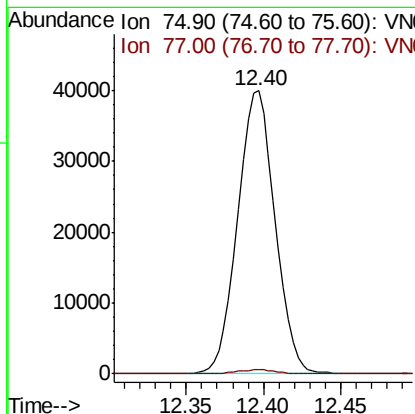
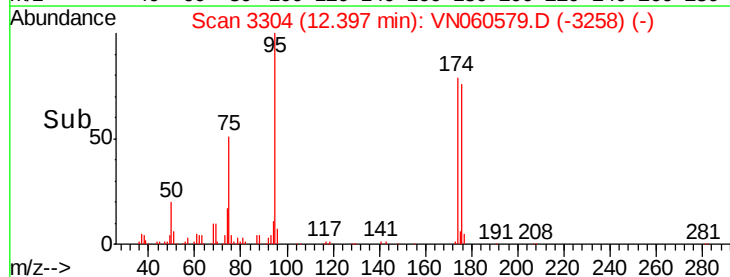
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

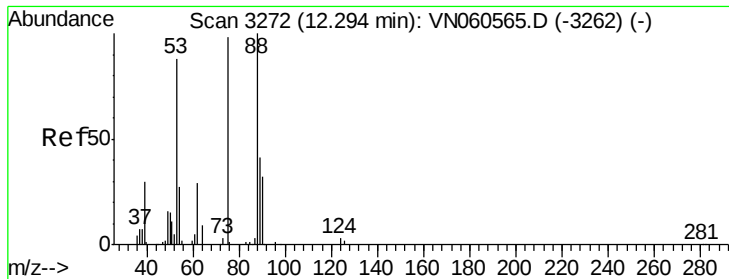


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 71.193 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060579.D

Acq: 18 Mar 2020 10:02

Instrument :

MSVOA_N

ClientSampled :

VN0318MBL01

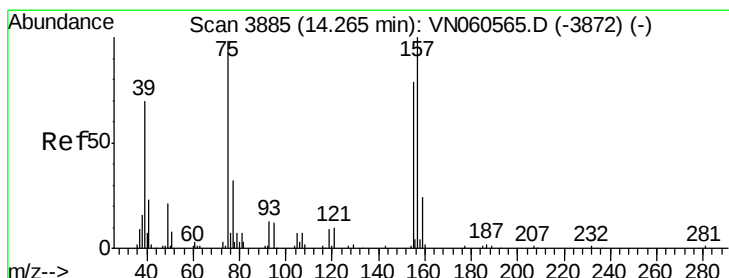
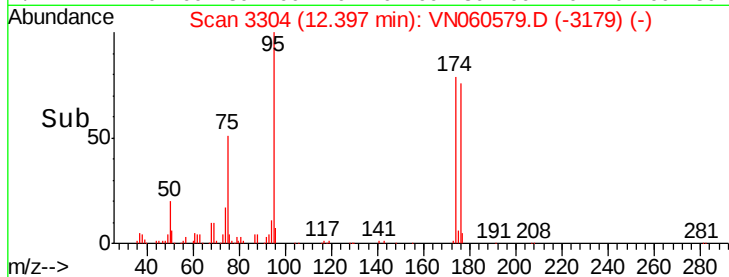
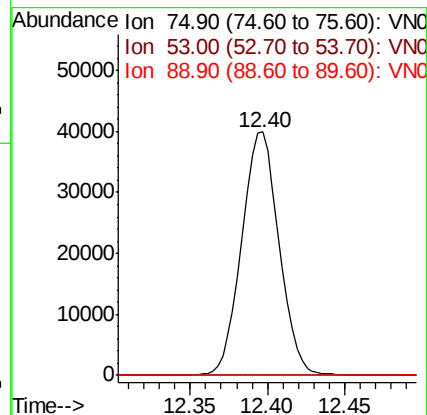
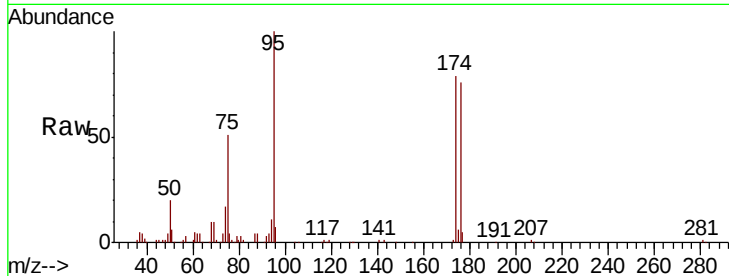
Tot Ion: 75 Resp: 66992

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3884

Delta R.T. -0.00 min

Lab File: VN060579.D

Acq: 18 Mar 2020 10:02

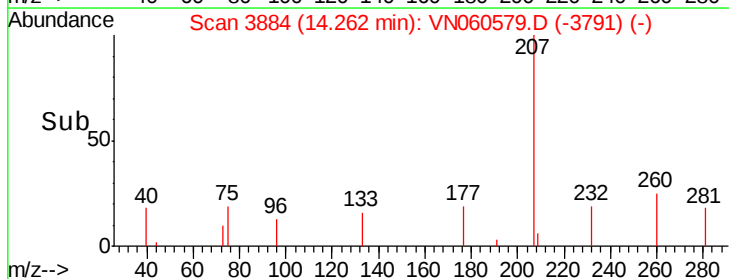
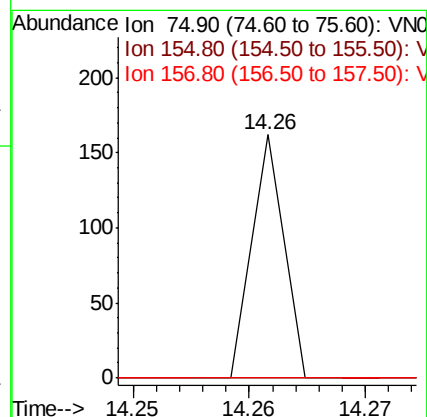
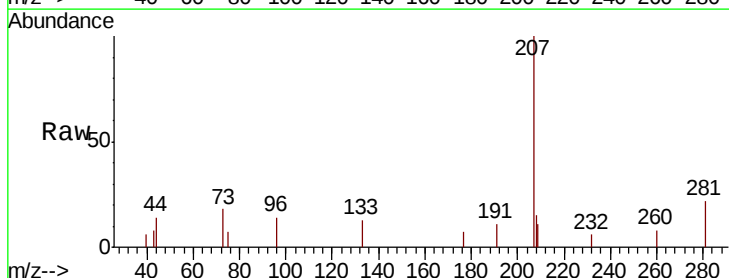
Tgt Ion: 75 Resp: 31

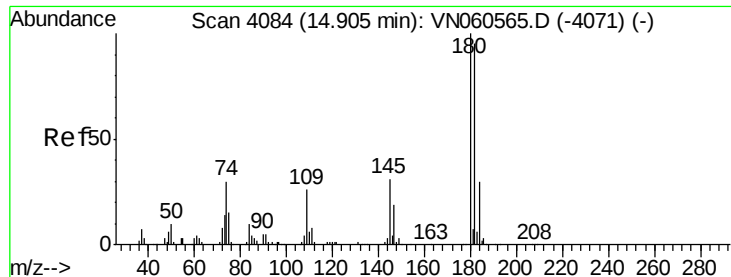
Ion Ratio Lower Upper

75 100

155 0.0 40.7 122.1#

157 0.0 51.5 154.7#

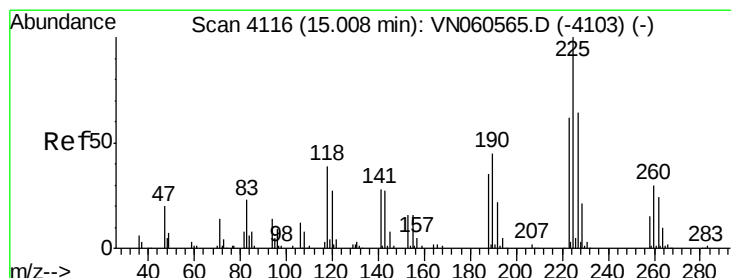
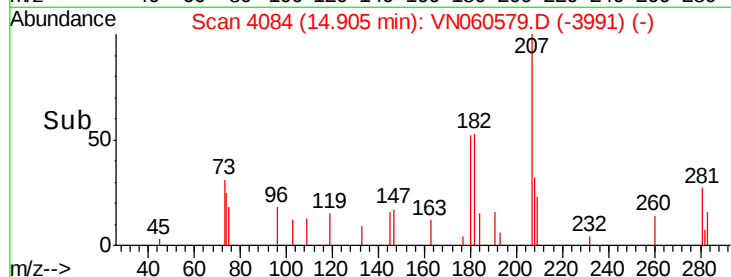
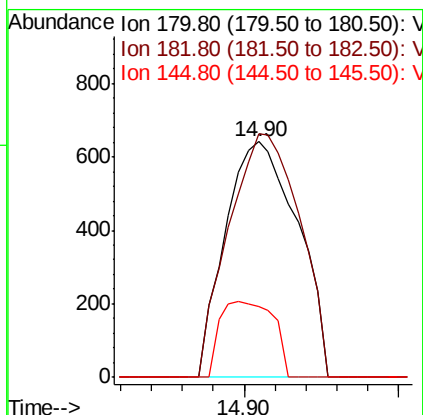
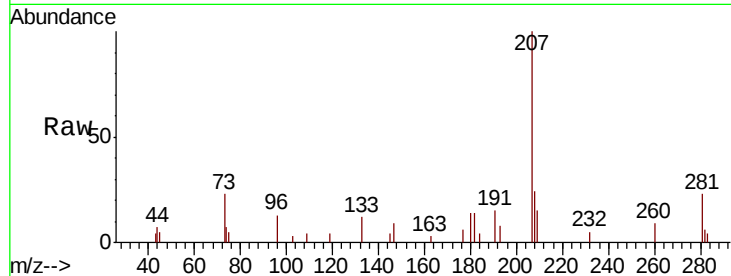




#93
 1,2,4-Trichlorobenzene
 Concen: 0.495 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060579.D
 Acq: 18 Mar 2020 10:02

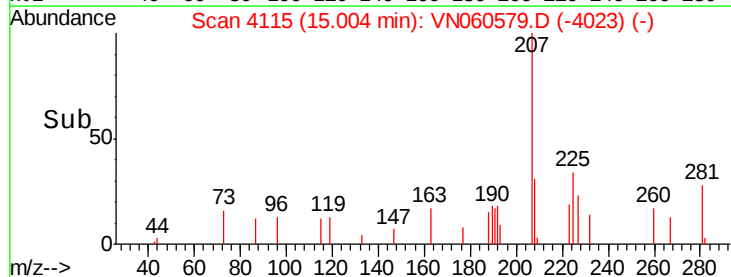
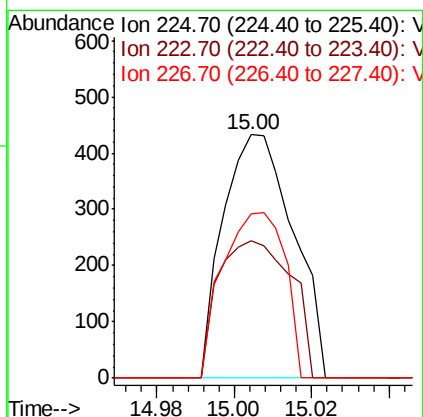
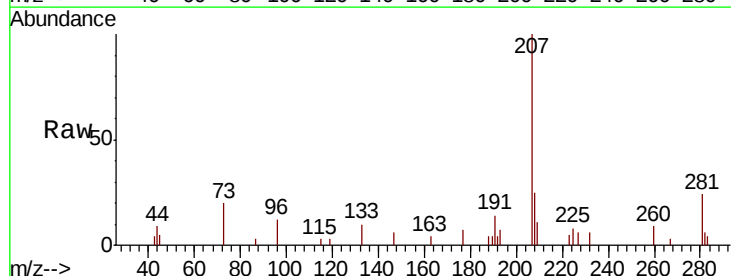
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBL01

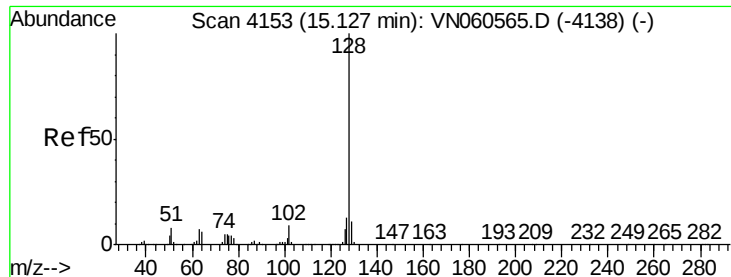
Tot Ion:180 Resp: 1038
 Ion Ratio Lower Upper
 180 100
 182 101.9 47.9 143.8
 145 24.0 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 0.530 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060579.D
 Acq: 18 Mar 2020 10:02

Tgt Ion:225 Resp: 545
 Ion Ratio Lower Upper
 225 100
 223 58.3 31.6 95.0
 227 60.2 32.3 96.8

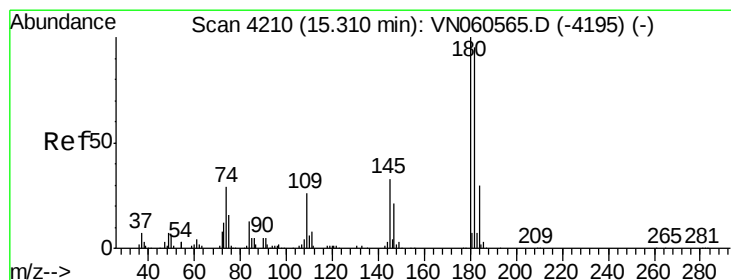
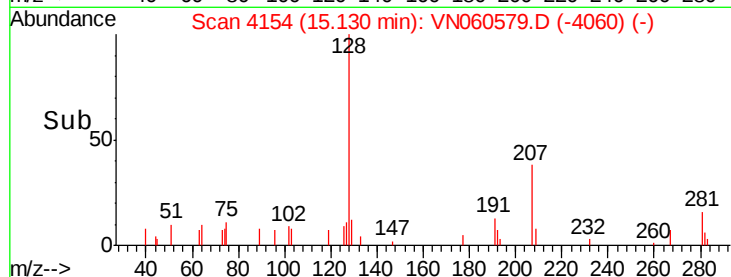
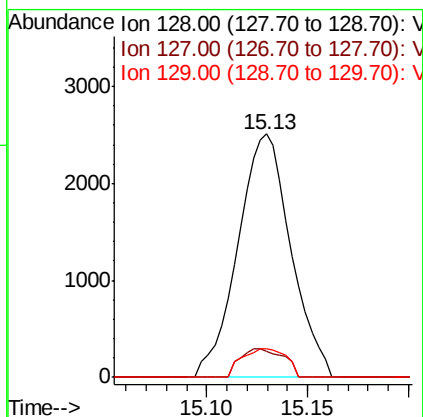
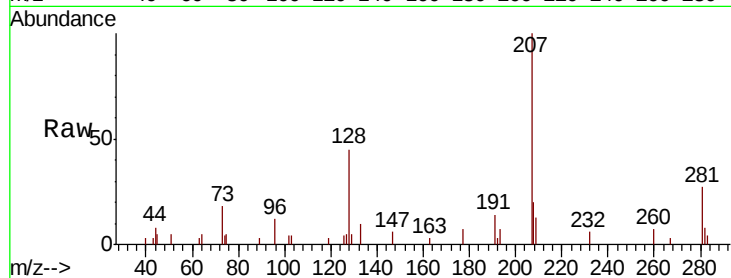




#95
Naphthalene
Concen: 0.729 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060579.D
Acq: 18 Mar 2020 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBL01

Tot Ion:128 Resp: 4598
Ion Ratio Lower Upper
128 100
127 9.8 10.2 15.2#
129 10.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.721 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. -0.00 min
Lab File: VN060579.D
Acq: 18 Mar 2020 10:02

Tgt Ion:180 Resp: 1489
Ion Ratio Lower Upper
180 100
182 93.8 47.5 142.6
145 27.0 16.3 48.8

