

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
 Data File : VN060107.D
 Acq On : 14 Feb 2020 13:48
 Operator : JC/MD
 Sample : L1484-03
 Misc : 5.10uL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 02:45:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	170745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	271725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	252284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	119778	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	107262	51.63	ug/l	0.00
Spiked Amount						
			Recovery	=	103.26%	
35) Dibromofluoromethane	7.56	113	81367	48.71	ug/l	0.00
Spiked Amount						
			Recovery	=	97.42%	
50) Toluene-d8	10.08	98	332309	50.52	ug/l	0.00
Spiked Amount						
			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.40	95	121215	50.15	ug/l	0.00
Spiked Amount						
			Recovery	=	100.30%	

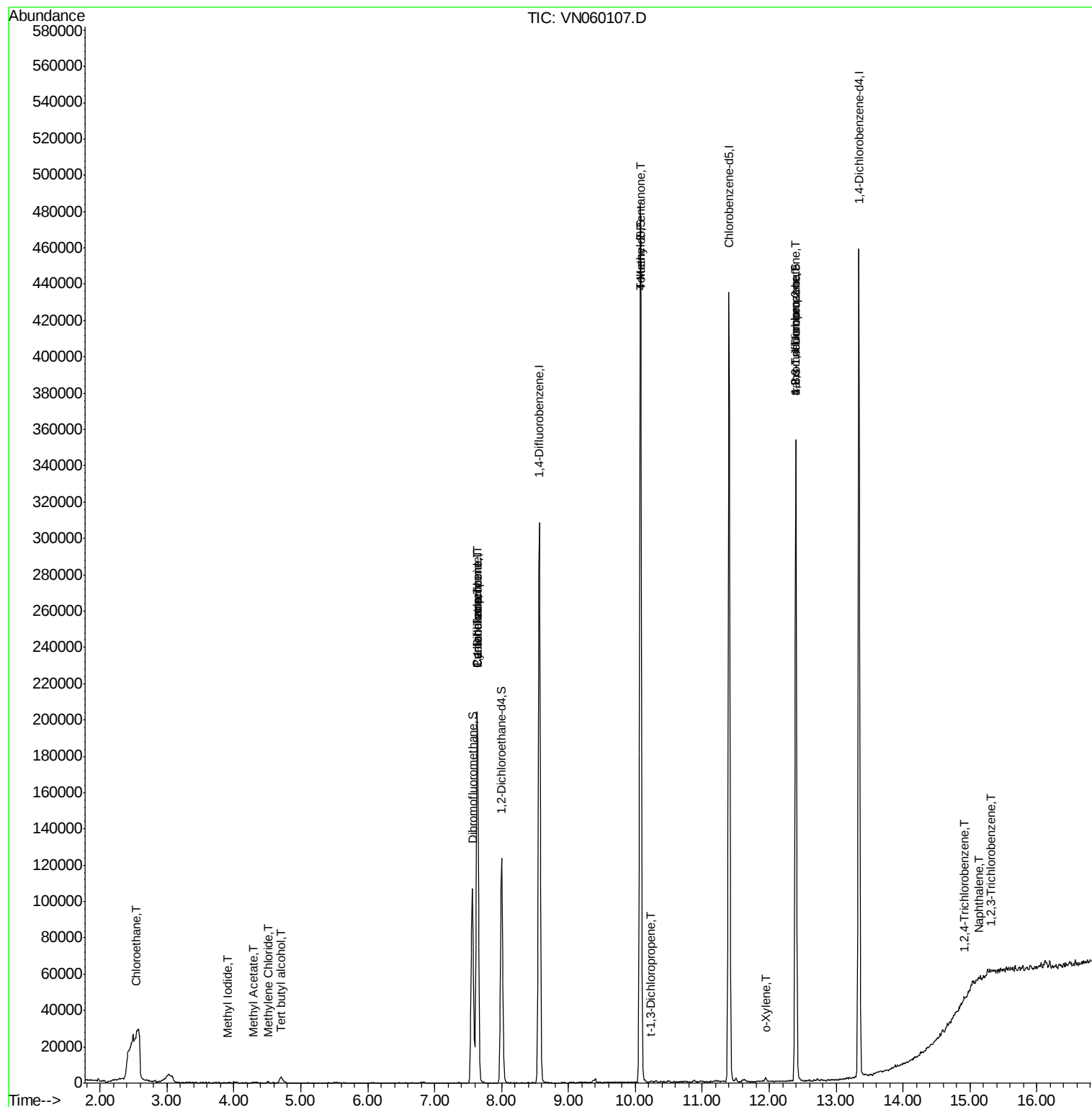
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.54	64	375	0.320	ug/l #	41
10) Methyl Iodide	3.91	142	31	2.503	ug/l #	42
11) Tert butyl alcohol	4.71	59	3119	10.032	ug/l #	72
18) Methyl Acetate	4.29	43	401	0.236	ug/l #	50
20) Methylene Chloride	4.52	84	614	0.340	ug/l #	59
31) Cyclohexane	7.64	56	3709	1.262	ug/l #	19
36) 1,1-Dichloropropene	7.64	75	12856	5.108	ug/l #	47
38) Carbon Tetrachloride	7.64	117	16705	6.111	ug/l #	15
51) 4-Methyl-2-Pentanone	10.07	43	1495	0.664	ug/l #	1
53) t-1,3-Dichloropropene	10.23	75	706	0.236	ug/l #	43
69) o-Xylene	11.95	106	809	0.241	ug/l	88
76) 1,2,3-Trichloropropane	12.40	75	62550	27.295	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	62550	66.832	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.28	75	95	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	470	0.208	ug/l #	69
95) Naphthalene	15.14	128	1230	0.202	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	596	0.265	ug/l	61

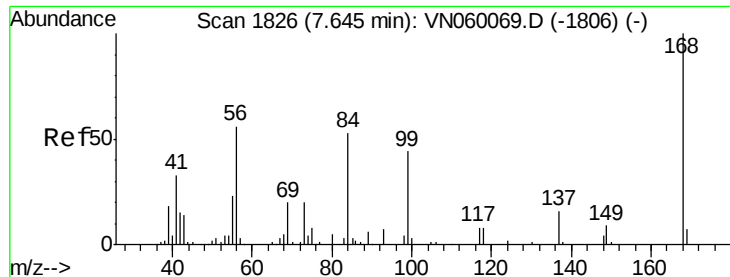
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021420\
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 15 02:45:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 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: VN060107.D

Acq: 14 Feb 2020 13:48

Instrument :

MSVOA_N

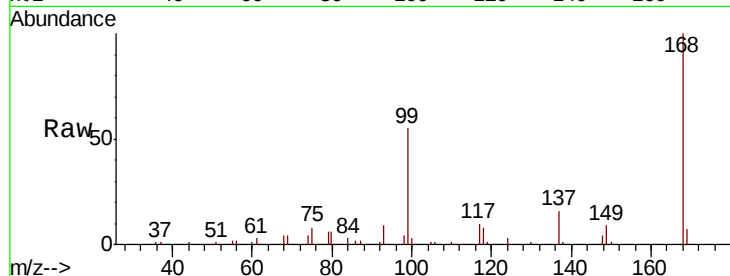
ClientSampleId :

Tot Ion:168 Resp: 170745

Ion Ratio Lower Upper

168 100

99 54.8 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

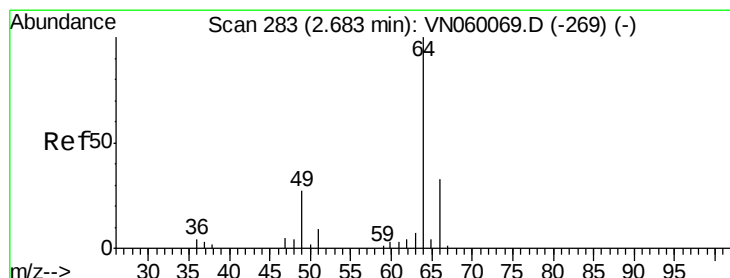
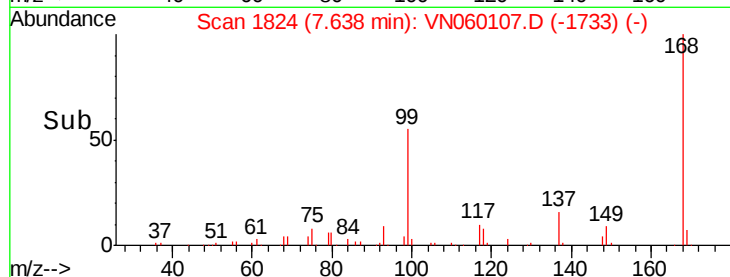
40000

20000

0

7.60 7.70

Time-->



#6

Chloroethane

Concen: 0.320 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.15 min

Lab File: VN060107.D

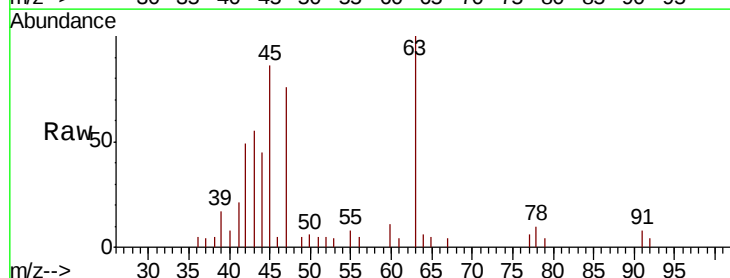
Acq: 14 Feb 2020 13:48

Tgt Ion: 64 Resp: 375

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VN

Ion 65.90 (65.60 to 66.60): VN

2.54

250

200

150

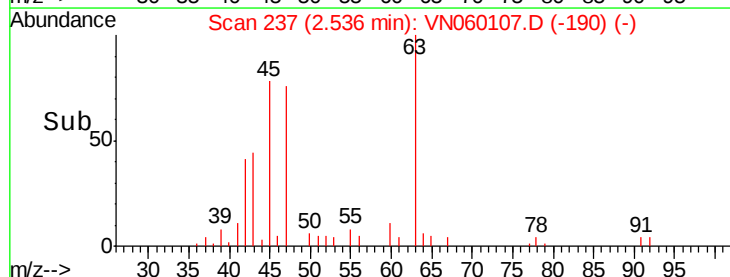
100

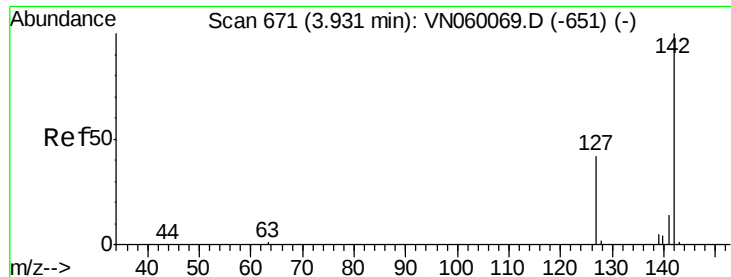
50

0

2.52 2.54 2.56

Time-->

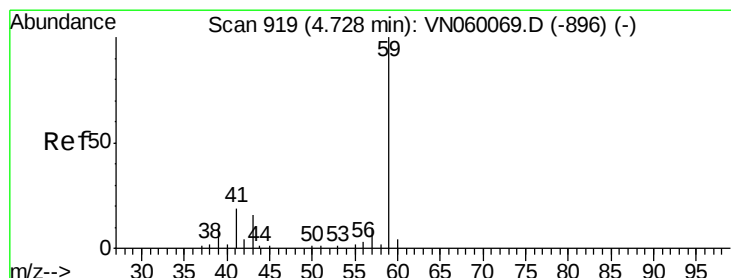
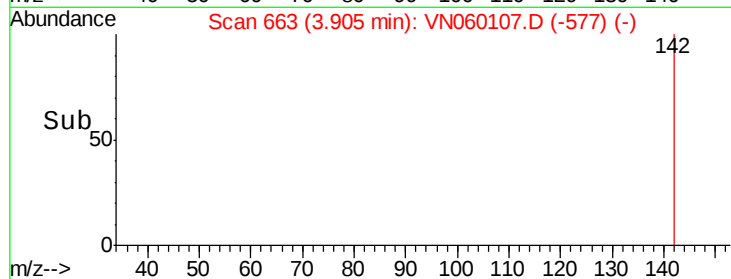
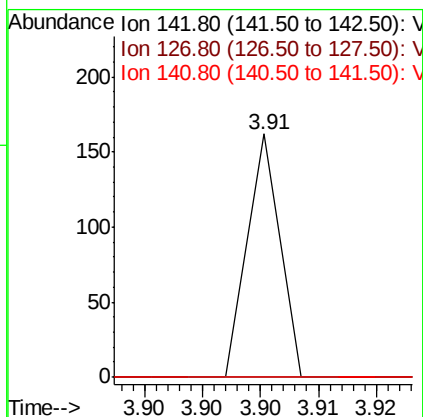
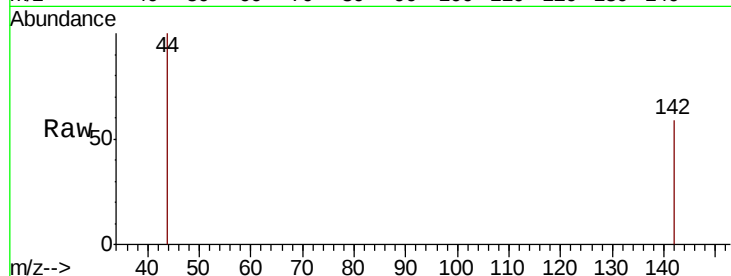




#10
Methyl Iodide
Concen: 2.503 ug/l
RT: 3.91 min Scan# 663
Delta R.T. -0.02 min
Lab File: VN060107.D
Acq: 14 Feb 2020 13:48

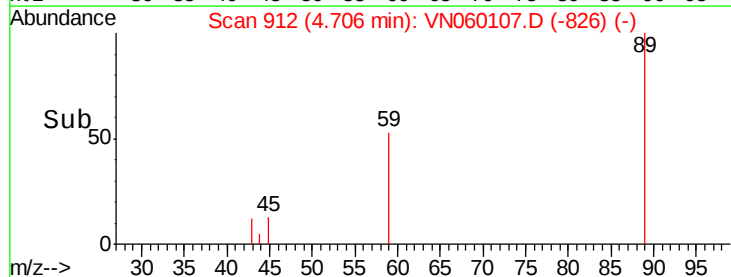
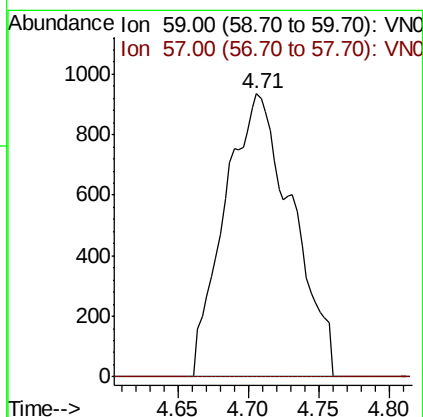
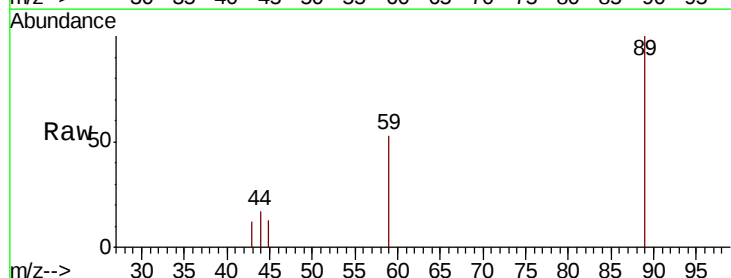
Instrument :
MSVOA_N
ClientSampled :

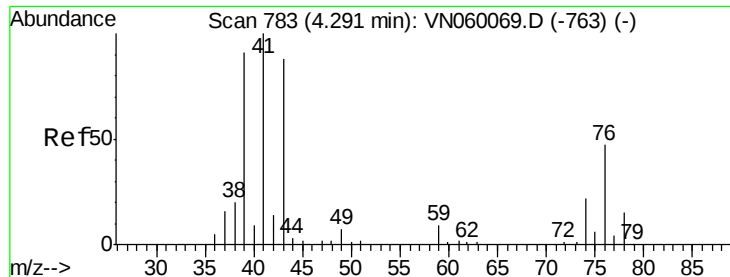
Tot Ion: 142 Resp: 31
Ion Ratio Lower Upper
142 100
127 0.0 33.6 50.4#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 10.032 ug/l
RT: 4.71 min Scan# 912
Delta R.T. -0.02 min
Lab File: VN060107.D
Acq: 14 Feb 2020 13:48

Tgt Ion: 59 Resp: 3119
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

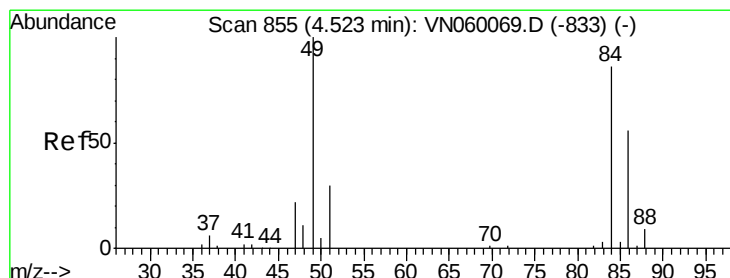
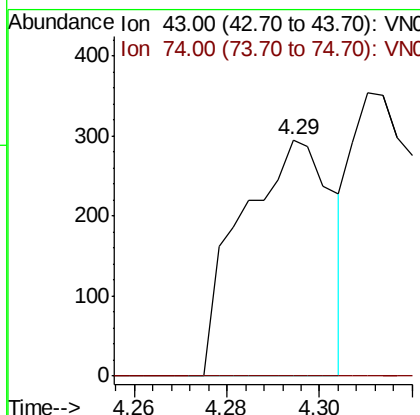
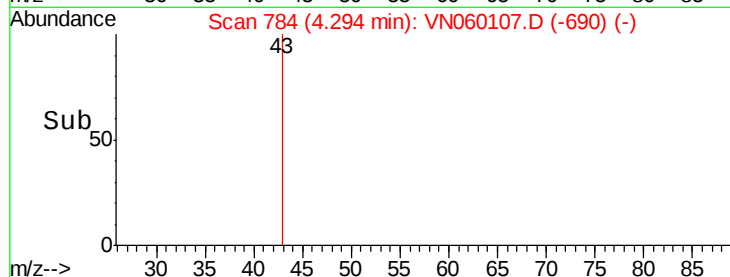
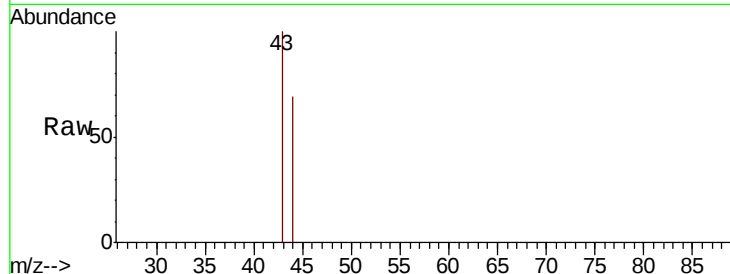




#18
Methvl Acetate
Concen: 0.236 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060107.D
Acq: 14 Feb 2020 13:48

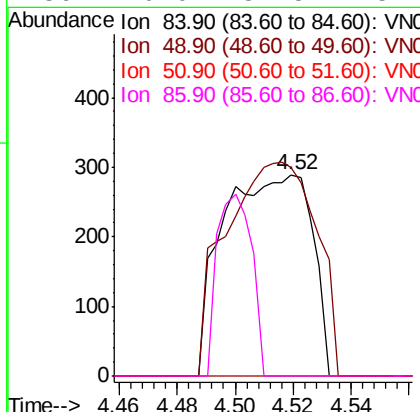
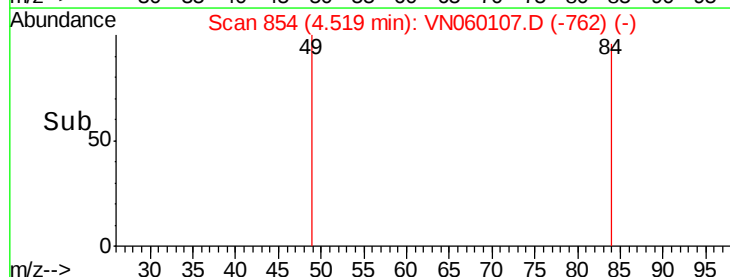
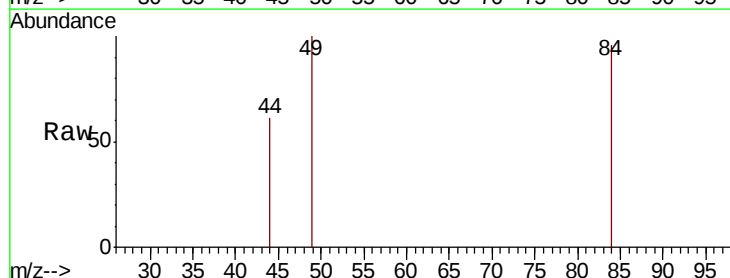
Instrument :
MSVOA_N
ClientSampleId :

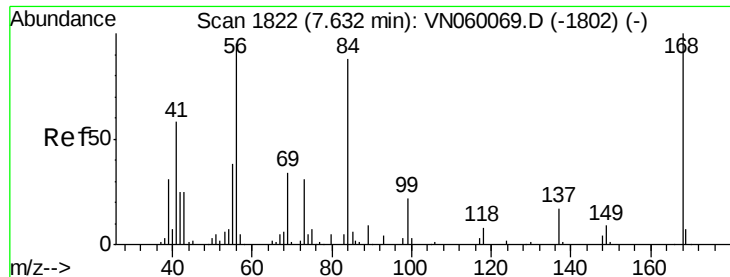
Tot Ion: 43 Resp: 401
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 0.340 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060107.D
Acq: 14 Feb 2020 13:48

Tgt Ion: 84 Resp: 614
Ion Ratio Lower Upper
84 100
49 103.8 93.4 140.0
51 0.0 28.4 42.6#
86 0.0 52.5 78.7#





#31

Cyclohexane

Concen: 1.262 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060107.D

Acq: 14 Feb 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

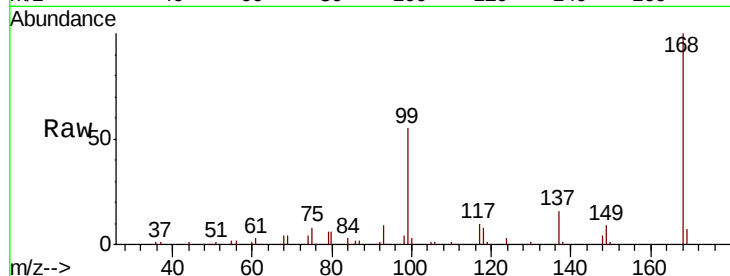
Tot Ion: 56 Resp: 3709

Ion Ratio Lower Upper

56 100

69 155.9 28.3 42.5#

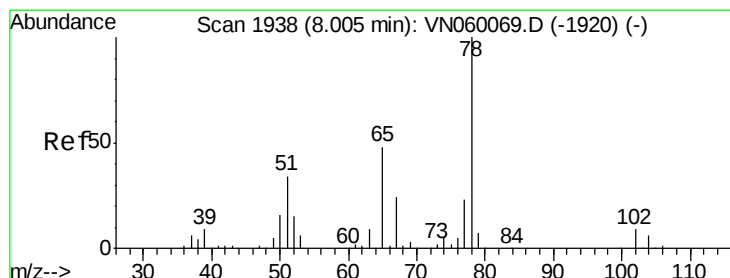
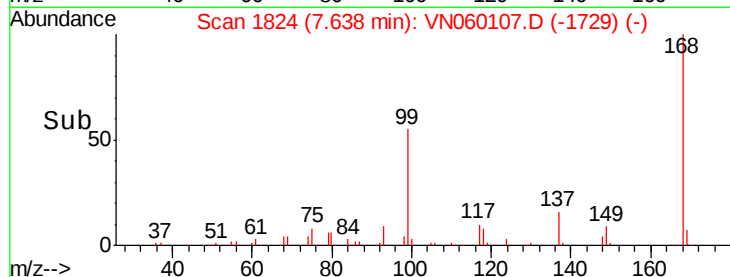
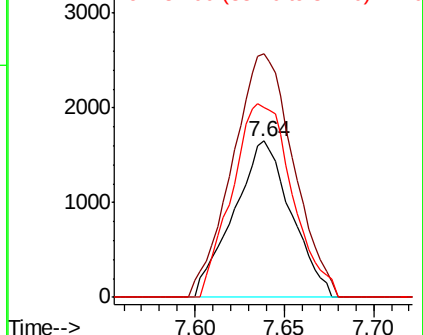
84 121.4 72.6 108.8#



Abundance Ion 56.00 (55.70 to 56.70): VN060069.D (-1802) (-)

Ion 69.00 (68.70 to 69.70): VN060069.D (-1802) (-)

Ion 84.00 (83.70 to 84.70): VN060069.D (-1802) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.626 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060107.D

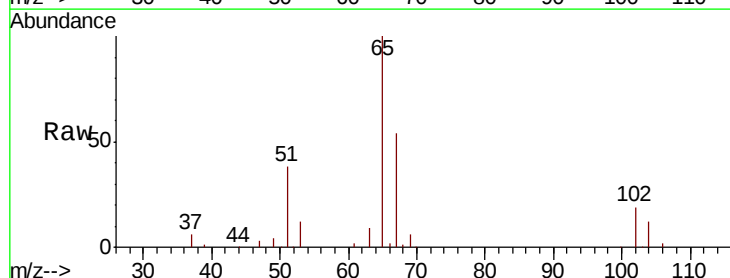
Acq: 14 Feb 2020 13:48

Tgt Ion: 65 Resp: 107262

Ion Ratio Lower Upper

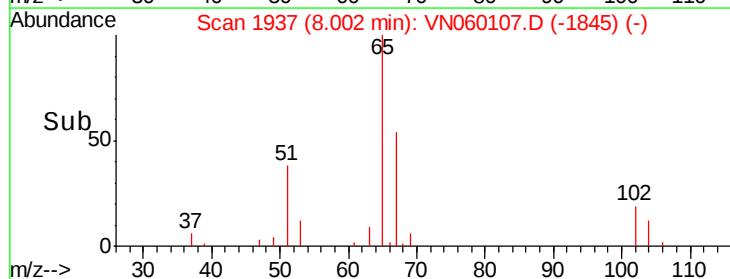
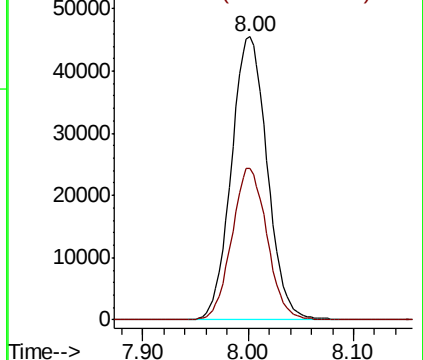
65 100

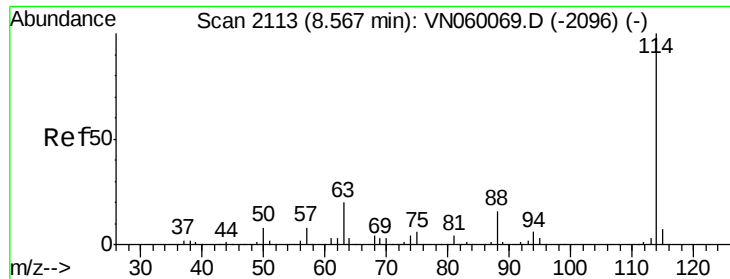
67 52.6 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN060069.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060069.D (-1920) (-)

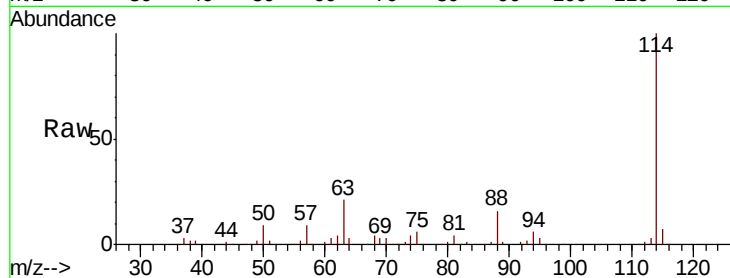




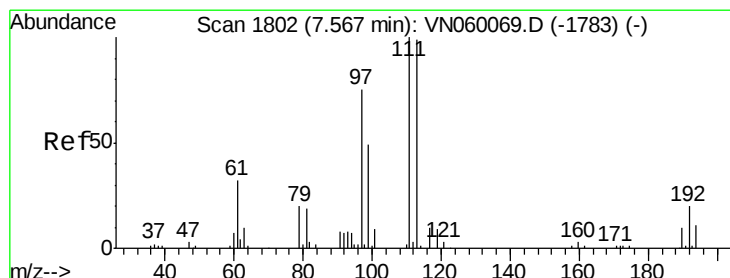
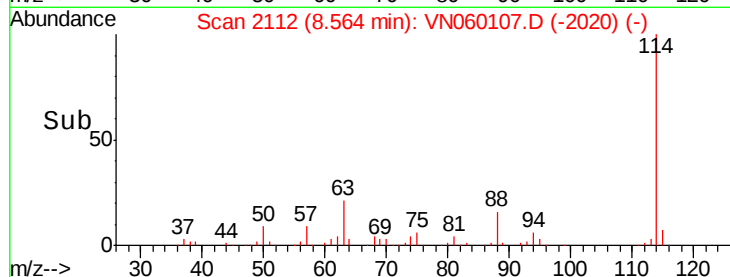
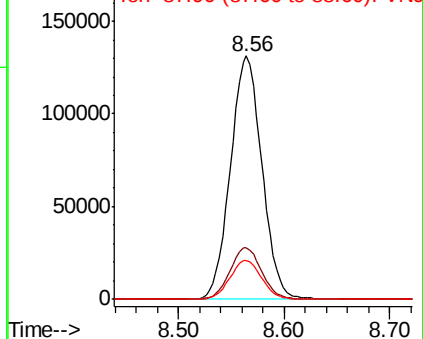
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060107.D
 Acq: 14 Feb 2020 13:48

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 271725
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.0
 88 16.1 0.0 31.6

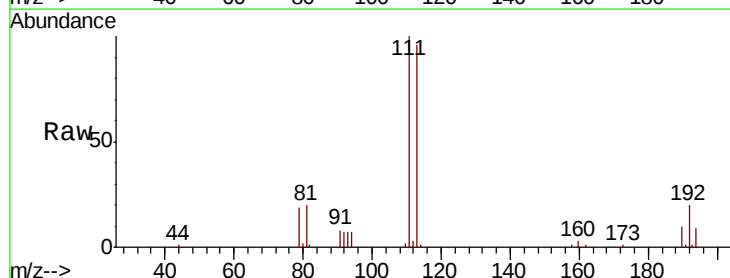


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

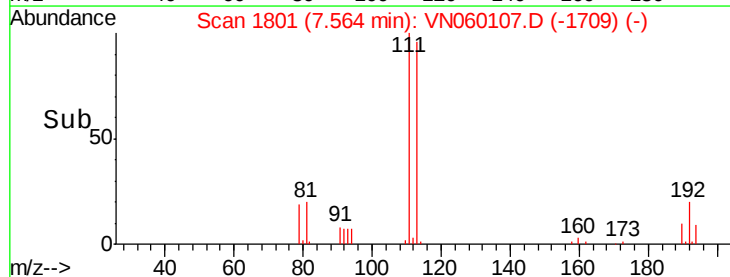
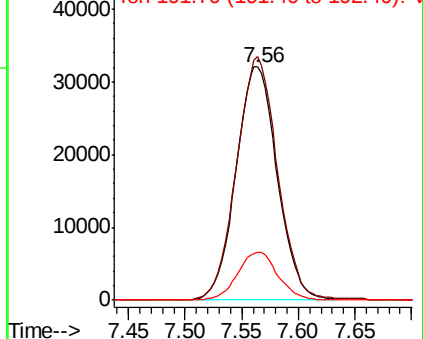


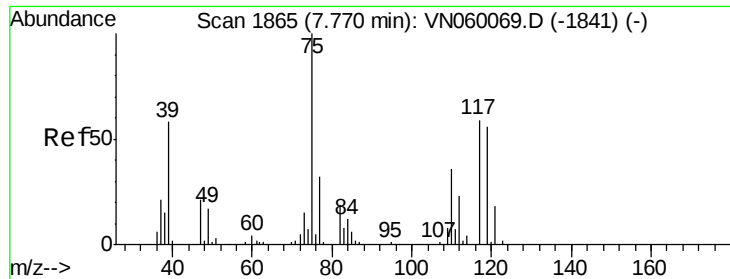
#35
 Dibromofluoromethane
 Concen: 48.714 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060107.D
 Acq: 14 Feb 2020 13:48

Tgt Ion:113 Resp: 81367
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.4 122.2
 192 20.0 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.108 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN060107.D

Acq: 14 Feb 2020 13:48

Instrument :
MSVOA_N
ClientSampleId :

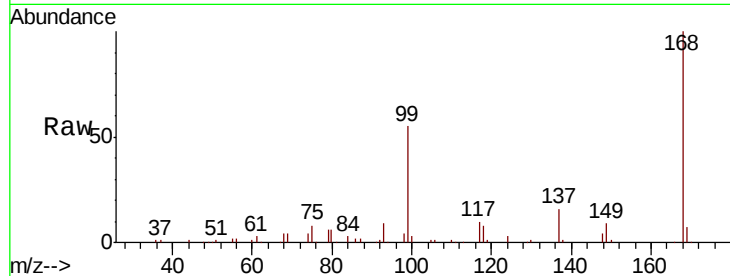
Tot Ion: 75 Resp: 12856

Ion Ratio Lower Upper

75 100

110 7.4 18.1 54.3#

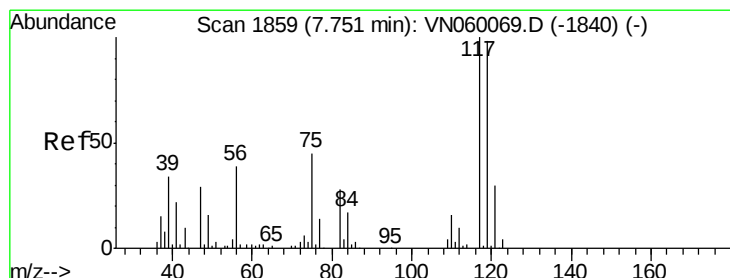
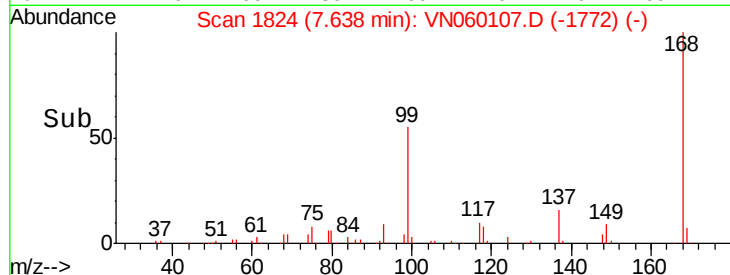
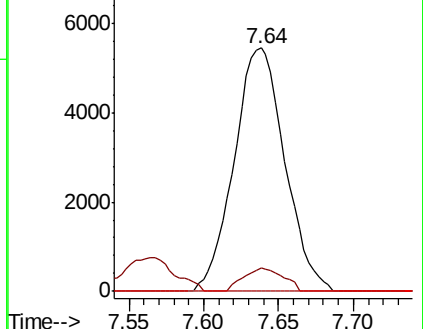
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060107.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060107.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060107.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.111 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060107.D

Acq: 14 Feb 2020 13:48

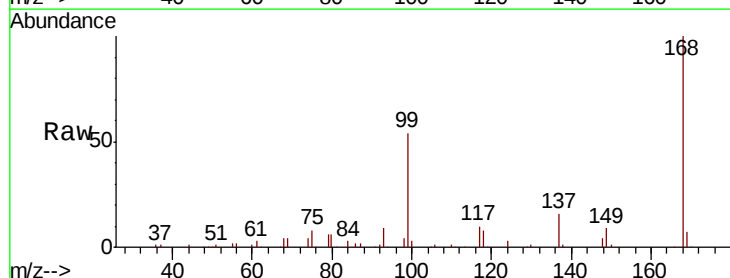
Tgt Ion: 117 Resp: 16705

Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.4#

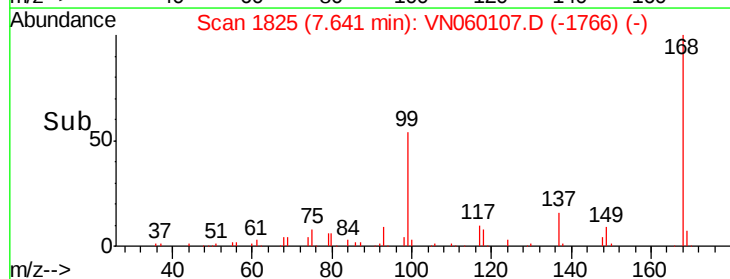
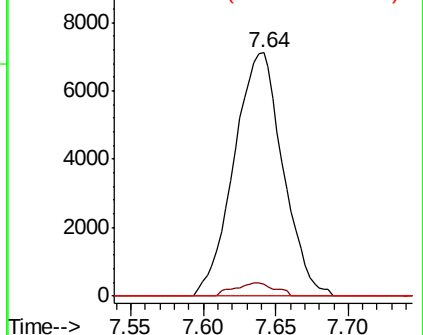
121 0.0 24.2 36.2#

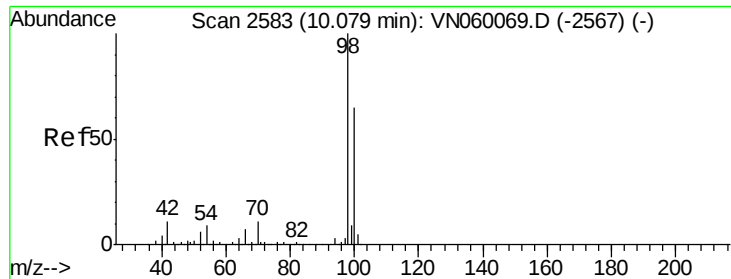


Abundance Ion 116.80 (116.50 to 117.50): VN060107.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060107.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060107.D (-1766) (-)

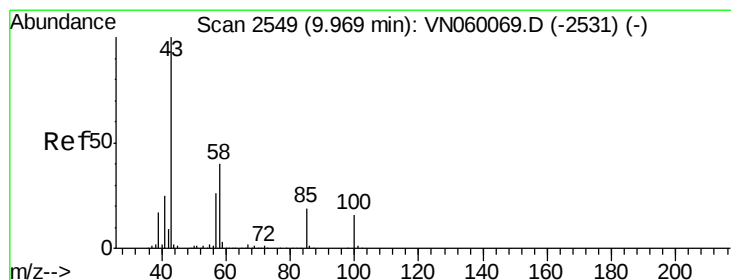
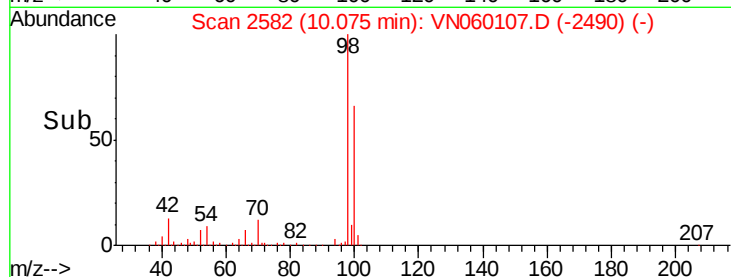
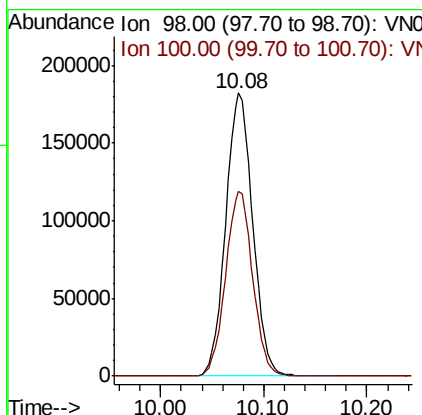
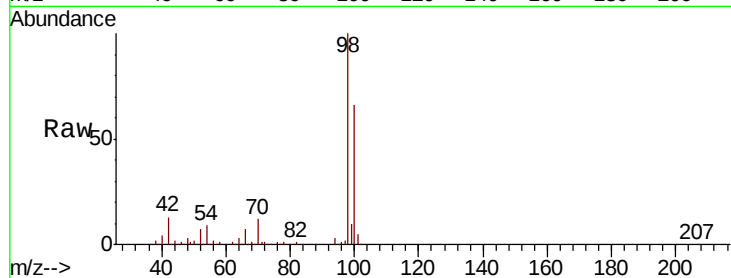




#50
Toluene-d8
Concen: 50.522 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060107.D
Acq: 14 Feb 2020 13:48

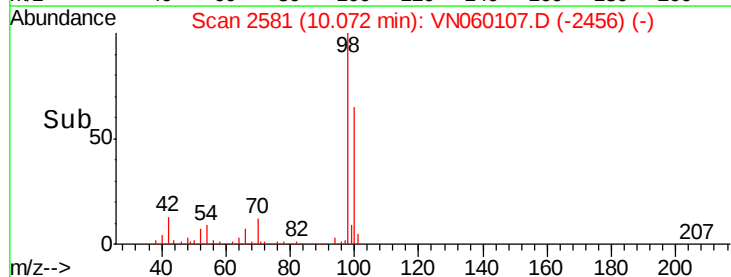
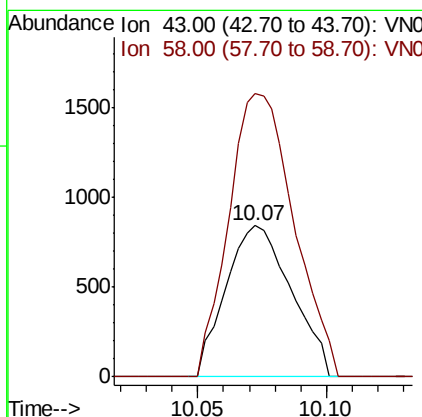
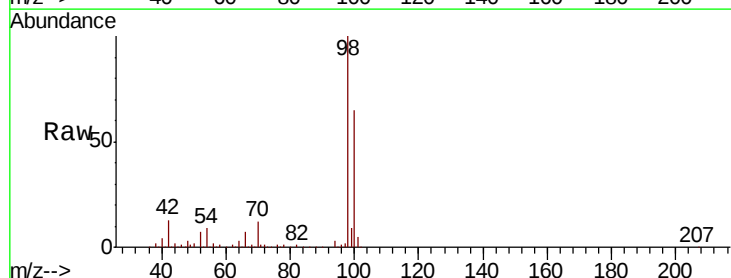
Instrument :
MSVOA_N
ClientSampleId :

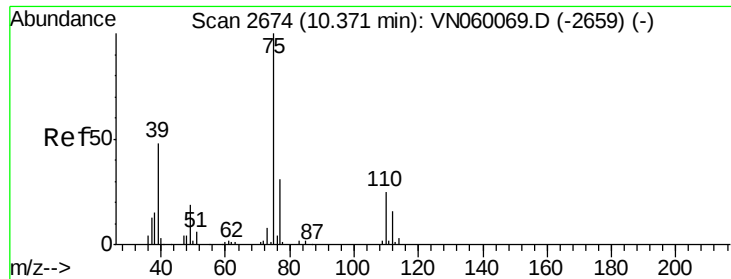
Tot Ion: 98 Resp: 332309
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.664 ug/l
RT: 10.07 min Scan# 2581
Delta R.T. 0.10 min
Lab File: VN060107.D
Acq: 14 Feb 2020 13:48

Tgt Ion: 43 Resp: 1495
Ion Ratio Lower Upper
43 100
58 186.2 31.8 47.8#

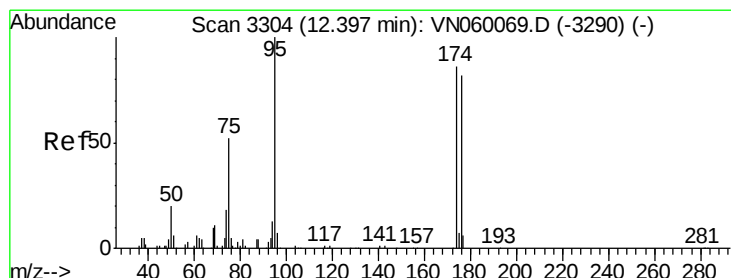
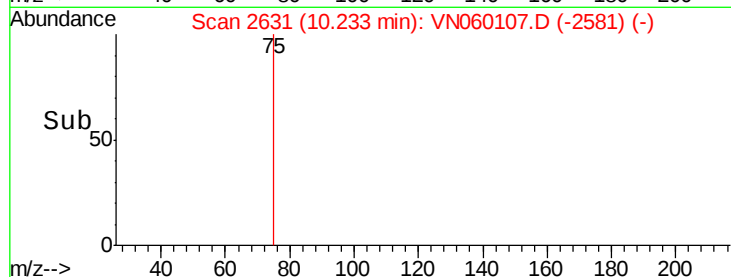
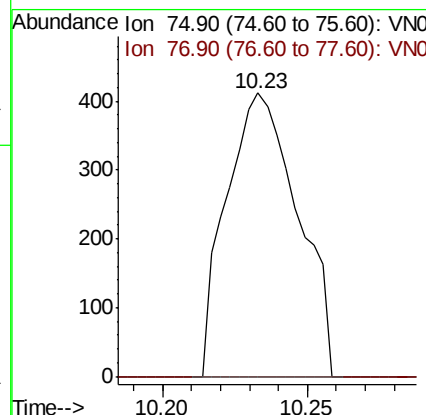
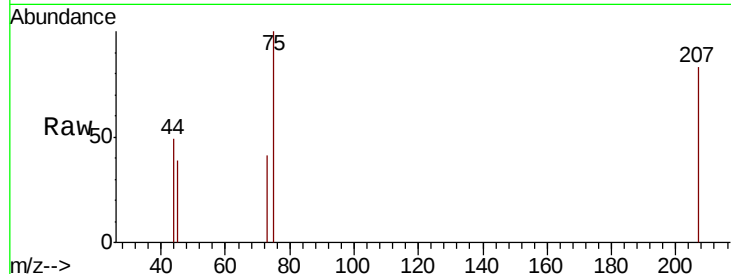




#53
t-1,3-Dichloropropene
Concen: 0.236 ug/l
RT: 10.23 min Scan# 2631
Delta R.T. -0.14 min
Lab File: VN060107.D
Acq: 14 Feb 2020 13:48

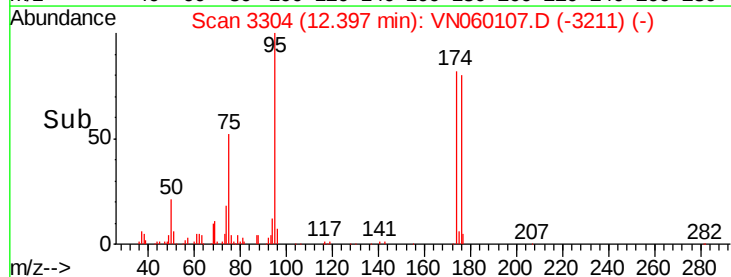
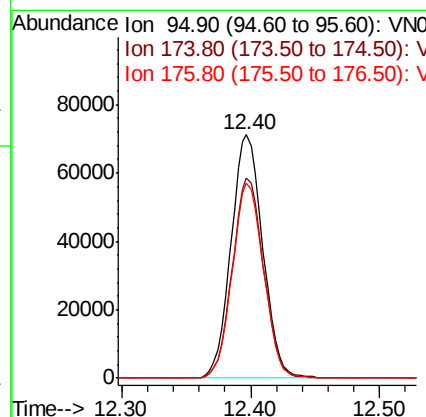
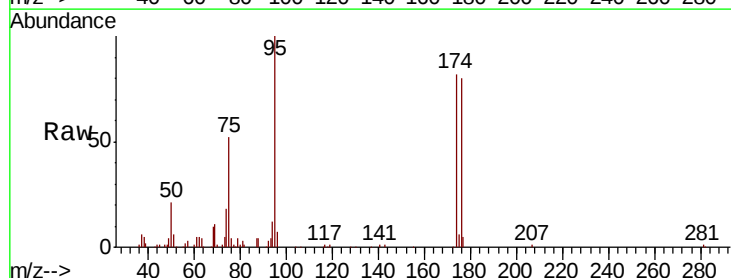
Instrument :
MSVOA_N
ClientSampleId :

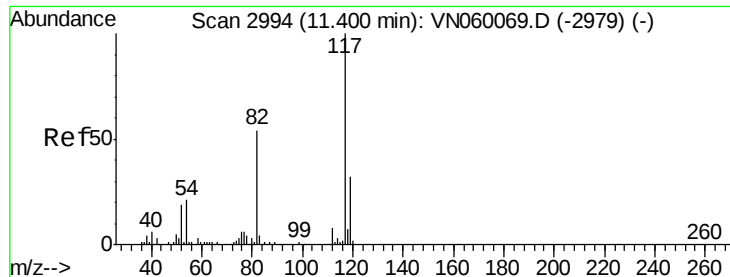
Tot Ion: 75 Resp: 706
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 50.152 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060107.D
Acq: 14 Feb 2020 13:48

Tgt Ion: 95 Resp: 121215
Ion Ratio Lower Upper
95 100
174 81.5 0.0 169.8
176 79.1 0.0 164.8

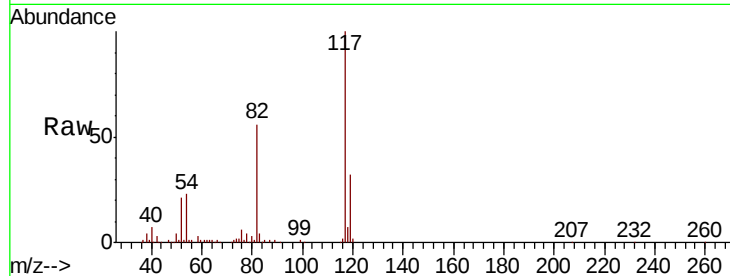




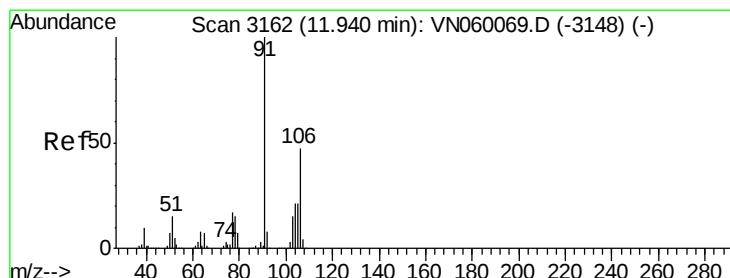
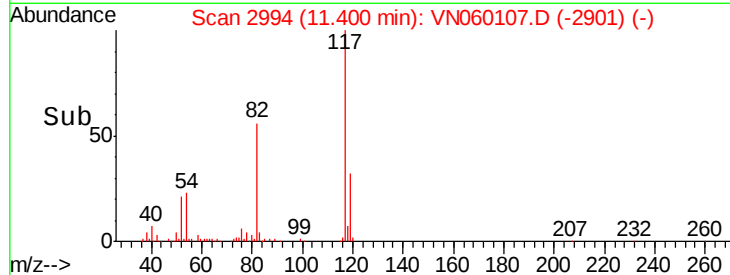
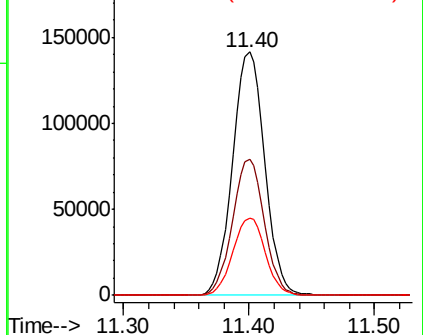
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060107.D
Acq: 14 Feb 2020 13:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.4	65.0
119	31.9	25.8	38.6

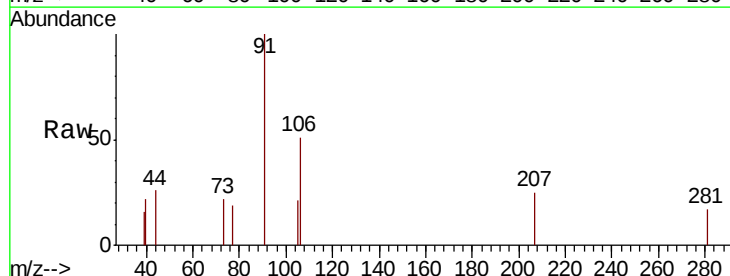


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

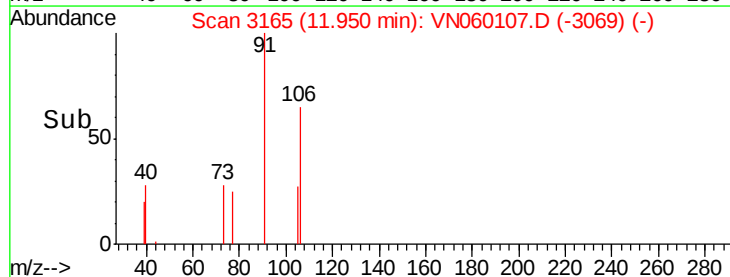
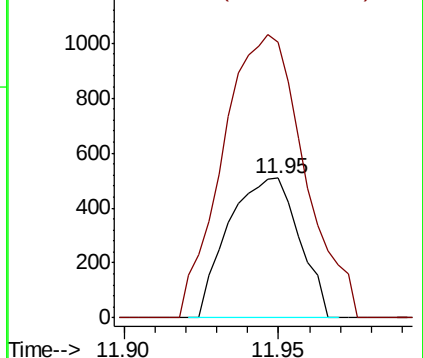


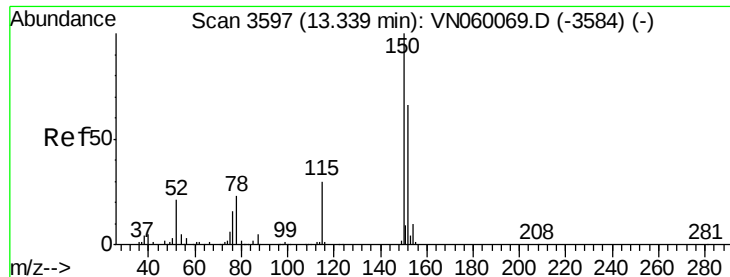
#69
o-Xylene
Concen: 0.241 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.01 min
Lab File: VN060107.D
Acq: 14 Feb 2020 13:48

Tgt Ion	Ratio	Lower	Upper
106	100		
91	233.4	107.2	321.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060107.D

Acq: 14 Feb 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

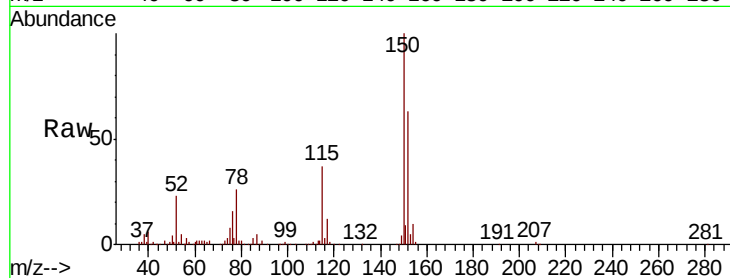
Tot Ion:152 Resp: 119778

Ion Ratio Lower Upper

152 100

115 59.3 28.9 86.8

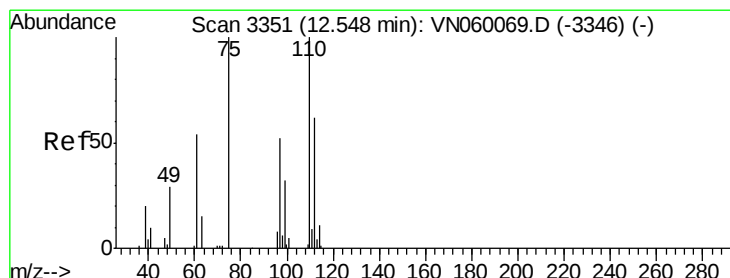
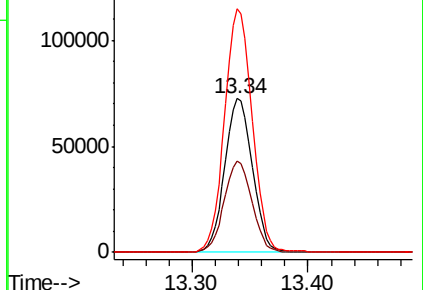
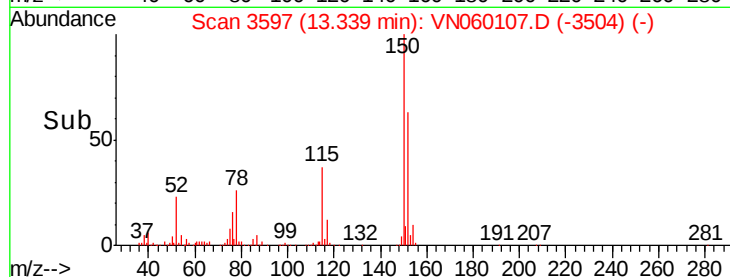
150 157.6 0.0 342.4



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: 27.295 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060107.D

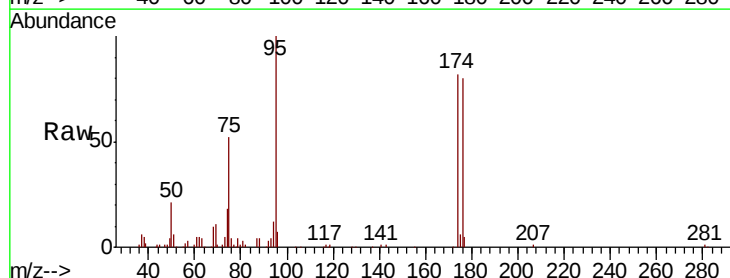
Acq: 14 Feb 2020 13:48

Tgt Ion: 75 Resp: 62550

Ion Ratio Lower Upper

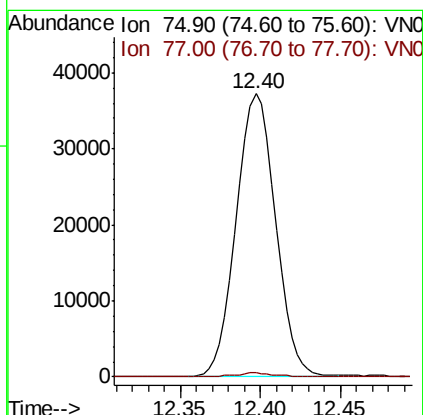
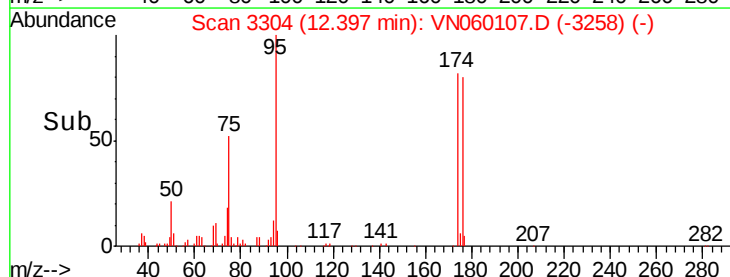
75 100

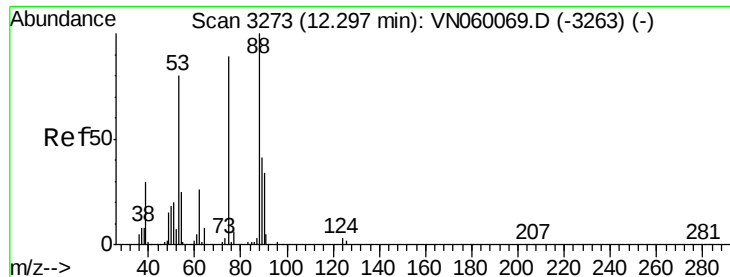
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

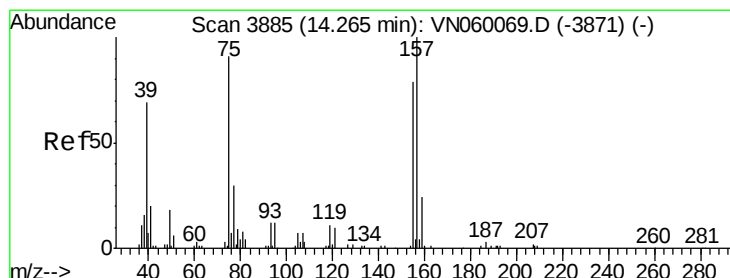
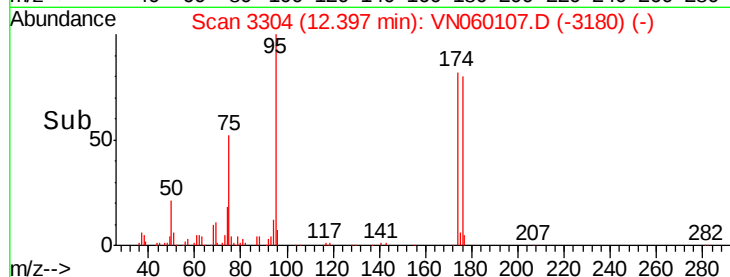
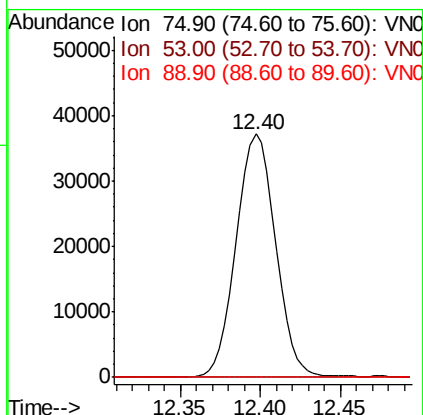
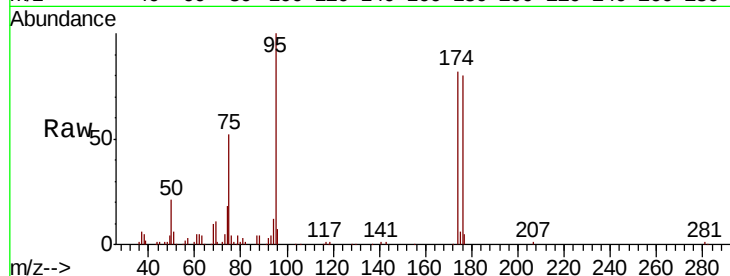




#81
trans-1,4-Dichloro-2-butene
Concen: 66.832 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060107.D
Acq: 14 Feb 2020 13:48

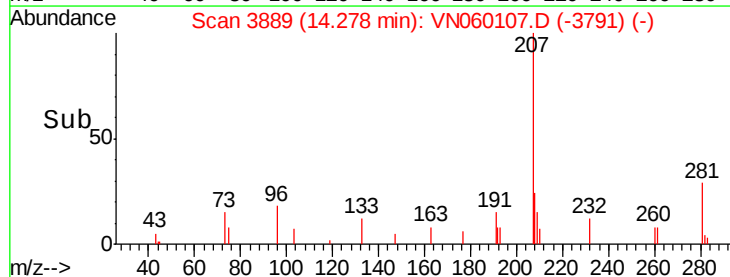
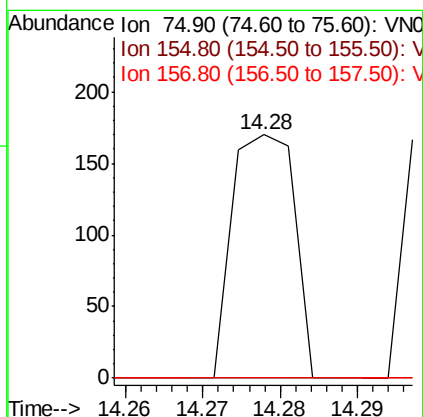
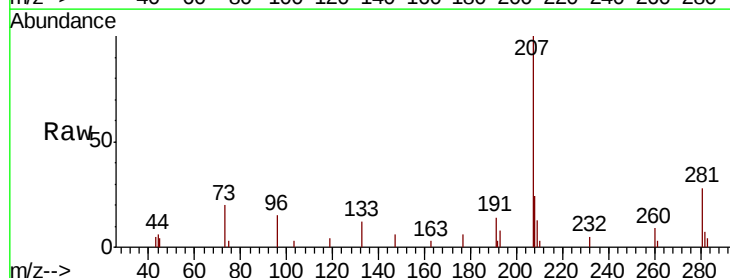
Instrument :
MSVOA_N
ClientSampled :

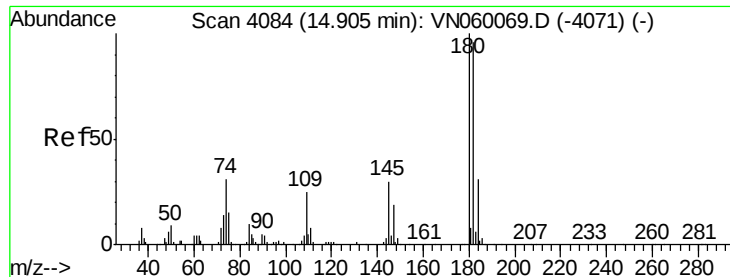
Tot Ion: 75 Resp: 62550
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.28 min Scan# 3889
Delta R.T. 0.01 min
Lab File: VN060107.D
Acq: 14 Feb 2020 13:48

Tgt Ion: 75 Resp: 95
Ion Ratio Lower Upper
75 100
155 0.0 43.0 129.0#
157 0.0 54.9 164.5#

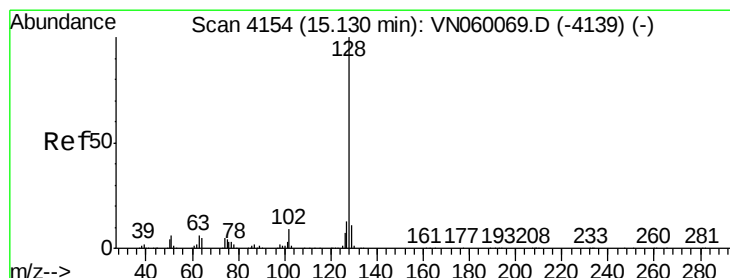
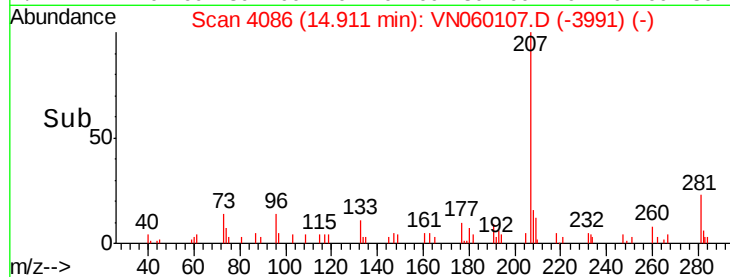
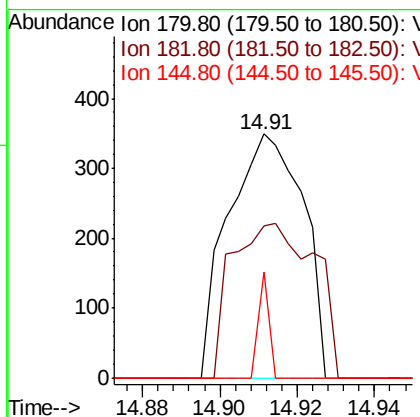
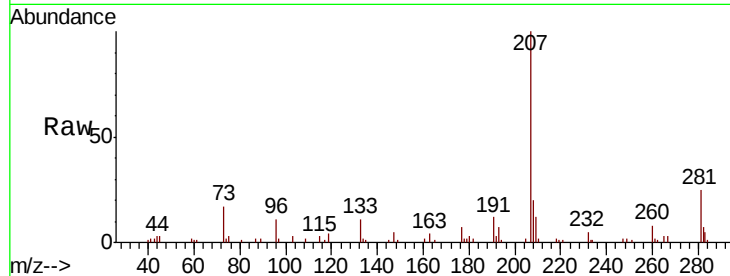




#93
 1,2,4-Trichlorobenzene
 Concen: 0.208 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN060107.D
 Acq: 14 Feb 2020 13:48

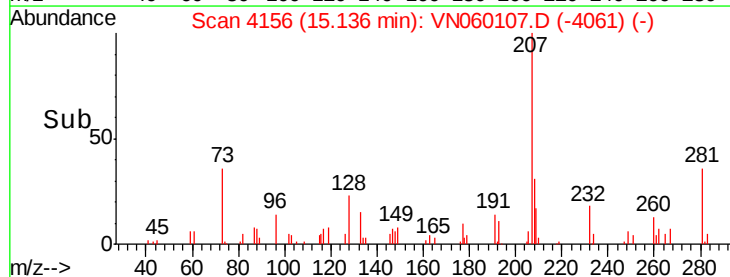
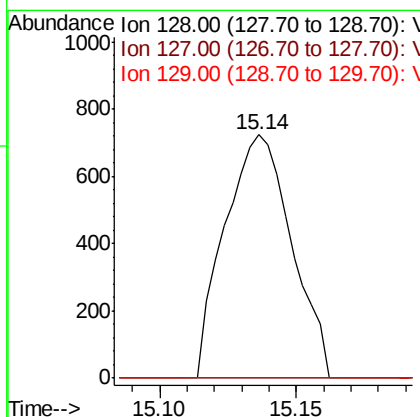
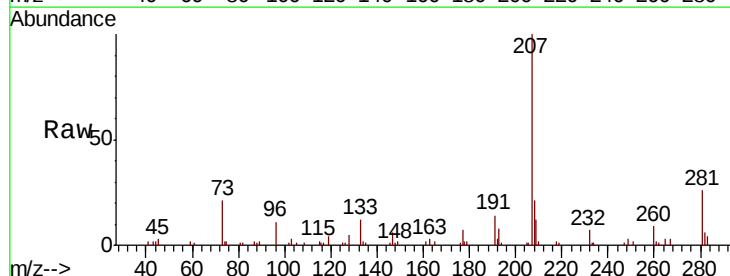
Instrument :
 MSVOA_N
 ClientSampled :

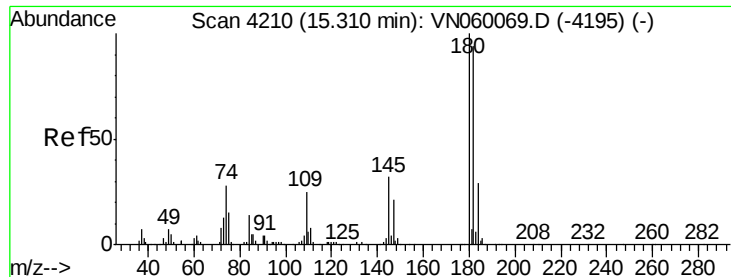
Tot Ion	Ratio	Lower	Upper
180	100		
182	69.6	47.9	143.8
145	6.2	15.2	45.5#



#95
 Naphthalene
 Concen: 0.202 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN060107.D
 Acq: 14 Feb 2020 13:48

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.265 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN060107.D
 Acq: 14 Feb 2020 13:48

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	50.5	47.5	142.5
145	42.8	16.1	48.3

