

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060317.D
 Acq On : 3 Mar 2020 10:09
 Operator : JC/MD
 Sample : VN0303MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 04 01:11:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	193136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	314042	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	280941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	119307	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	121870	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	7.56	113	89393	61.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.66%	
50) Toluene-d8	10.08	98	380270	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.40	95	132411	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	

Target Compounds

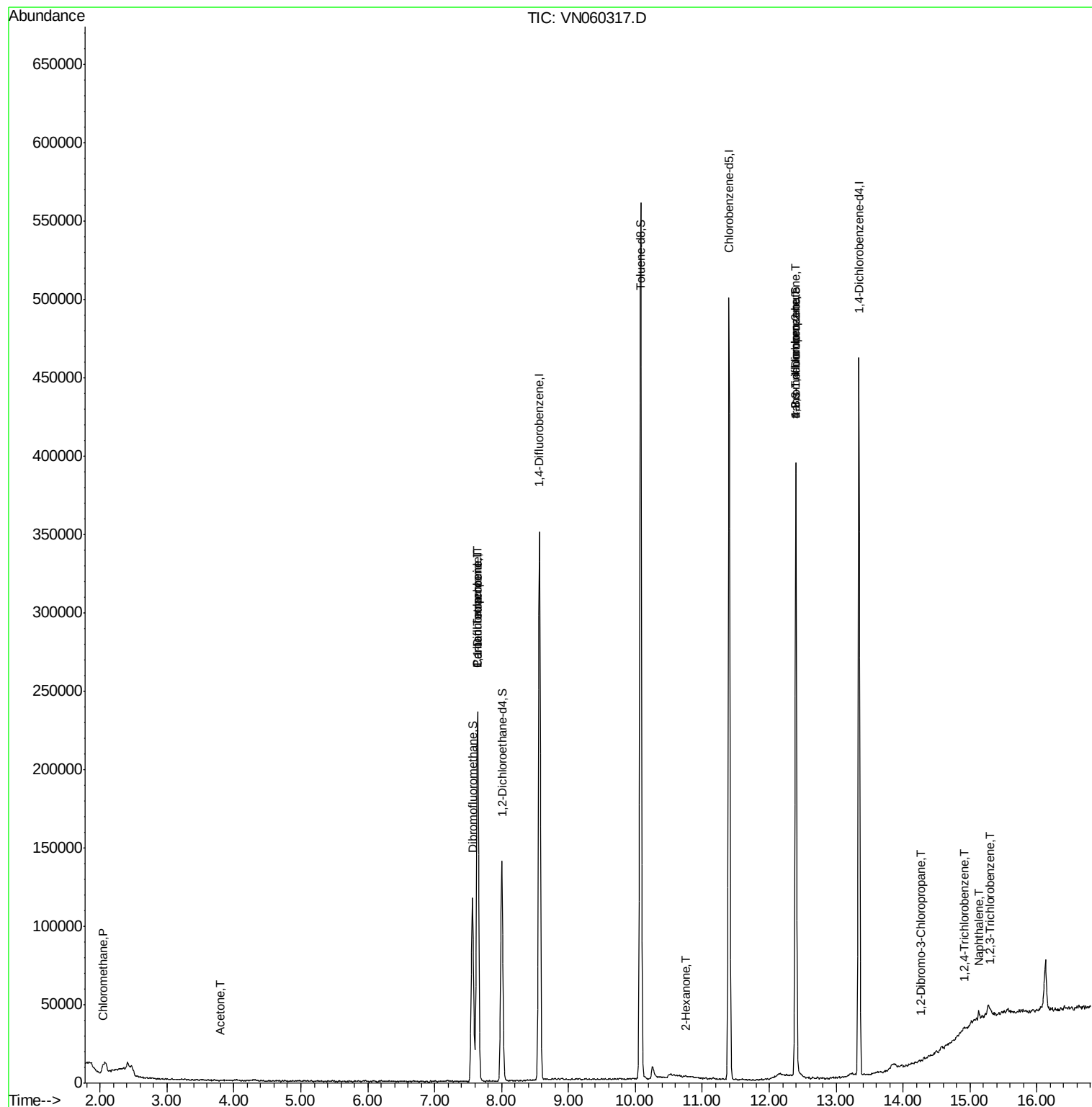
					Qvalue	
3) Chloromethane	2.04	50	918	0.298	ug/l	97
16) Acetone	3.79	43	187	0.234	ug/l #	44
17) Carbon Disulfide	4.03	76	808	Below Cal	#	75
21) trans-1,2-Dichloroethene	4.99	96	29	Below Cal	#	1
31) Cyclohexane	7.64	56	4171	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15302	5.113	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18846	6.467	ug/l #	16
59) 2-Hexanone	10.75	43	715	0.346	ug/l	65
76) 1,2,3-Trichloropropane	12.40	75	68980	26.352	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	68980	72.745	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	441	Below Cal	#	61
88) 1,4-Dichlorobenzene	13.36	146	454	Below Cal	#	25
92) 1,2-Dibromo-3-Chloropropan	14.28	75	258	0.474	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	775	0.409	ug/l	93
94) Hexachlorobutadiene	15.01	225	184	Below Cal	#	50
95) Naphthalene	15.13	128	3529	0.226	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	1191	0.343	ug/l	99

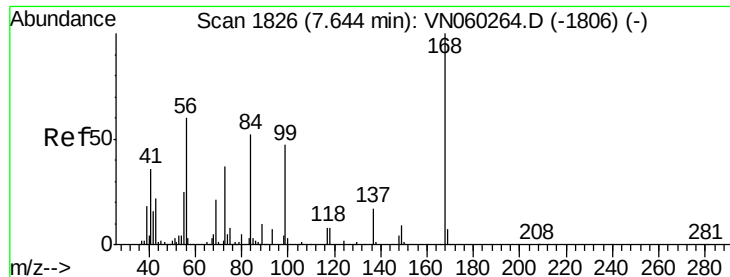
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060317.D

Acq: 3 Mar 2020 10:09

Instrument :

MSVOA_N

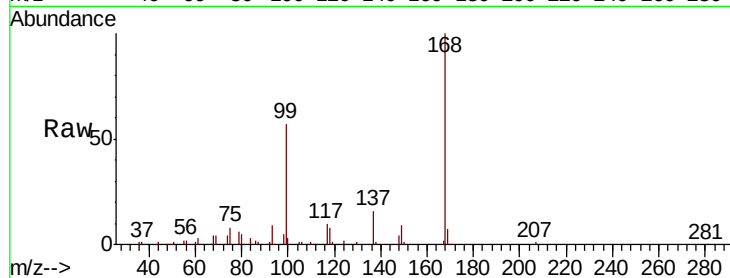
ClientSampled :

Tot Ion:168 Resp: 193136

Ion Ratio Lower Upper

168 100

99 56.7 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

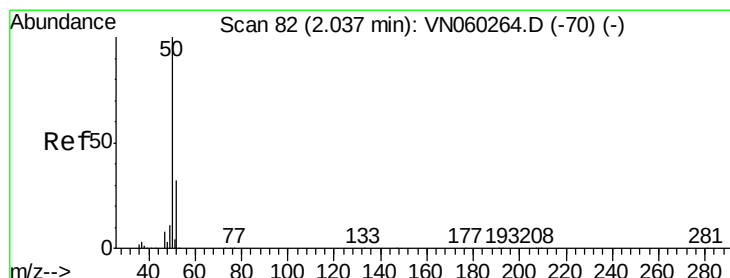
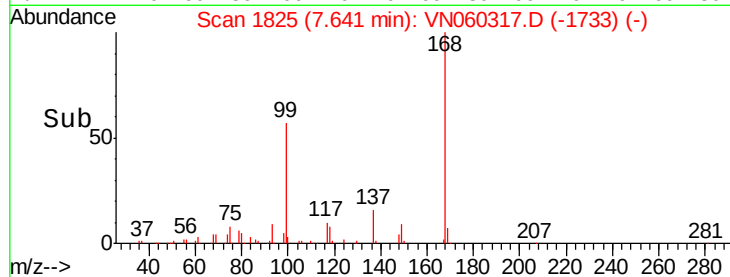
40000

20000

0

Time-->

7.60 7.70



#3

Chloromethane

Concen: 0.298 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060317.D

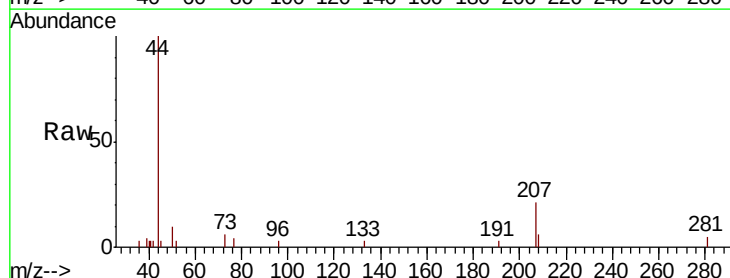
Acq: 3 Mar 2020 10:09

Tgt Ion: 50 Resp: 918

Ion Ratio Lower Upper

50 100

52 33.8 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

600

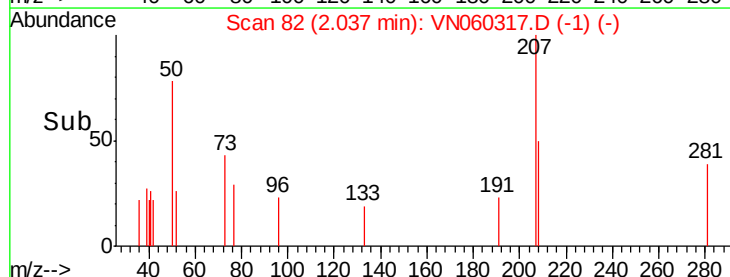
400

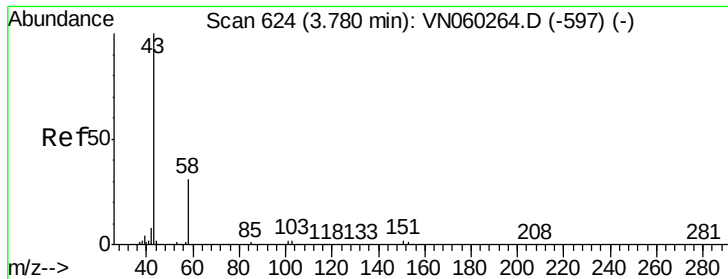
200

0

Time-->

2.02 2.04 2.06

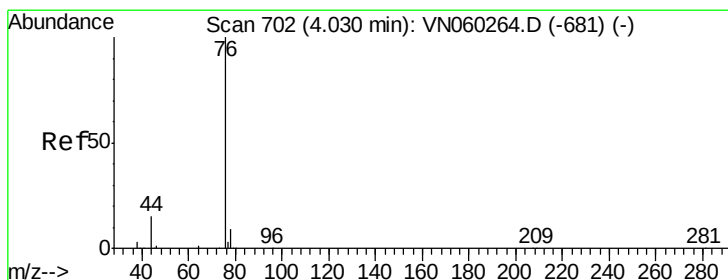
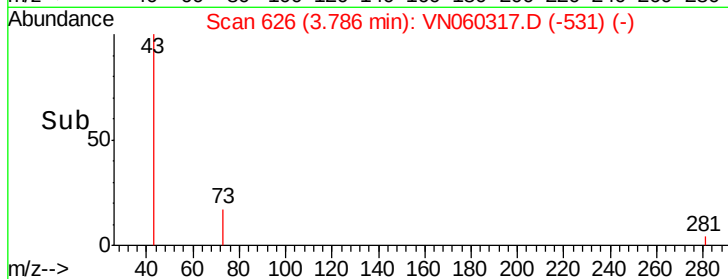
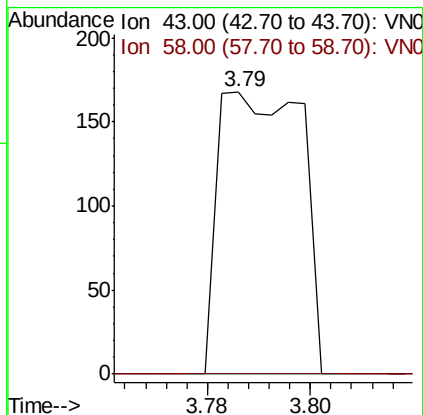
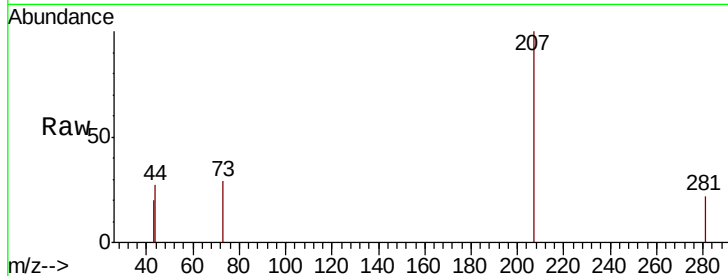




#16
Acetone
Concen: 0.234 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN060317.D
Acq: 3 Mar 2020 10:09

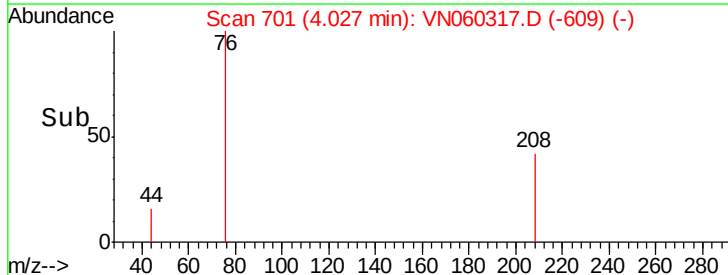
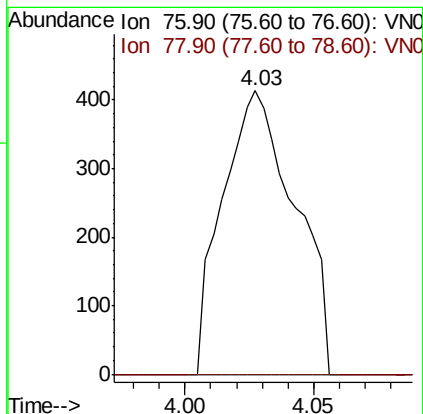
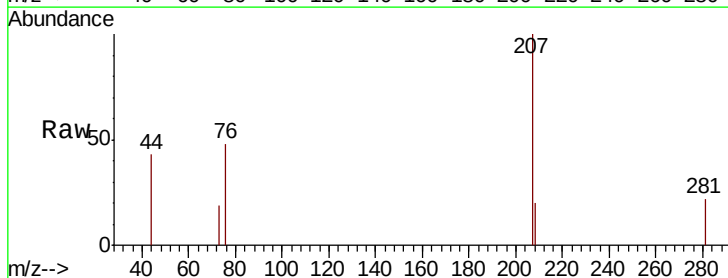
Instrument :
MSVOA_N
ClientSampled :

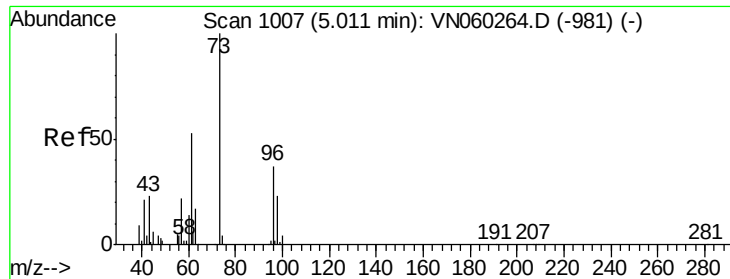
Tot Ion: 43 Resp: 187
Ion Ratio Lower Upper
43 100
58 0.0 24.6 36.8#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060317.D
Acq: 3 Mar 2020 10:09

Tgt Ion: 76 Resp: 808
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 4.99 min Scan# 1001

Delta R.T. -0.02 min

Lab File: VN060317.D

Acq: 3 Mar 2020 10:09

Instrument :

MSVOA_N

ClientSampleId :

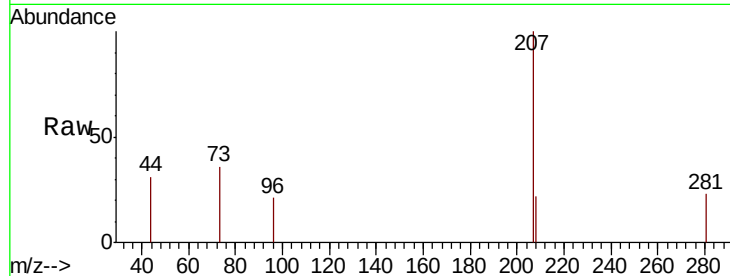
Tot Ion: 96 Resp: 29

Ion Ratio Lower Upper

96 100

61 0.0 113.8 170.8#

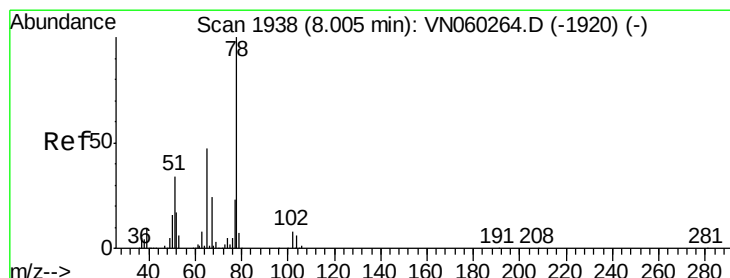
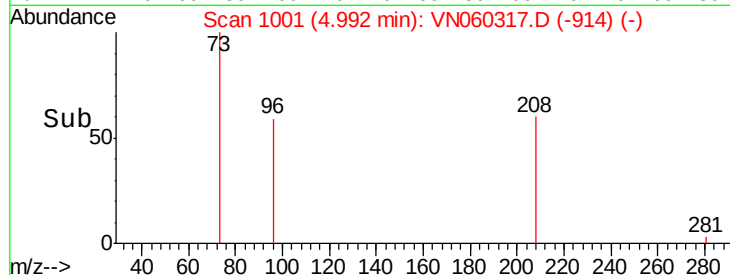
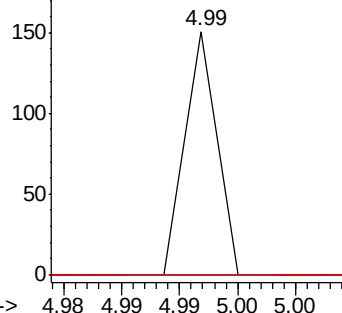
98 0.0 48.8 73.2#



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.182 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060317.D

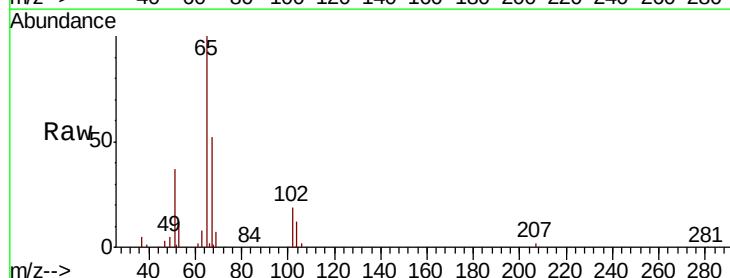
Acq: 3 Mar 2020 10:09

Tgt Ion: 65 Resp: 121870

Ion Ratio Lower Upper

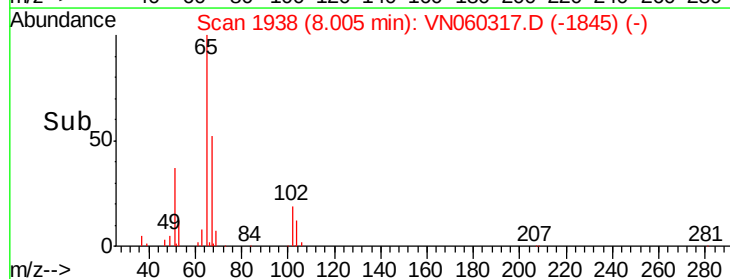
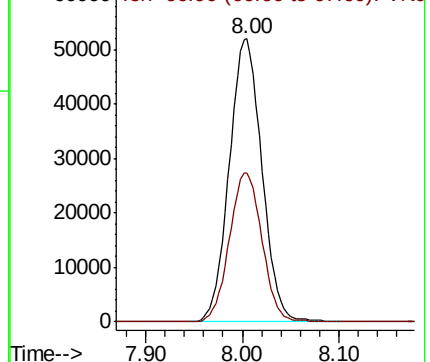
65 100

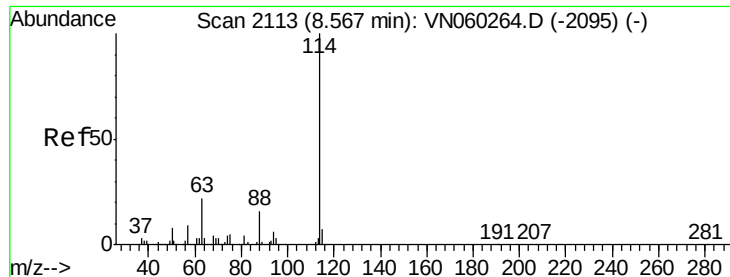
67 52.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

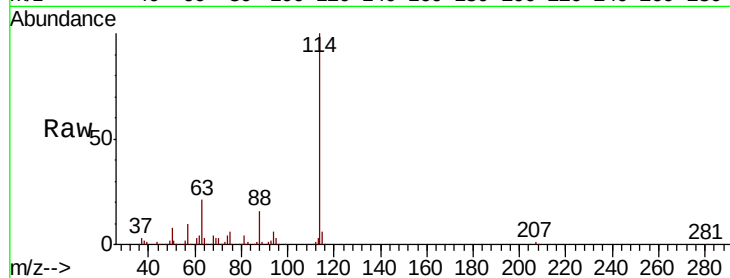




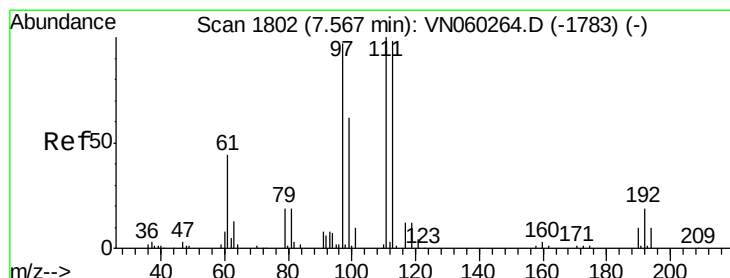
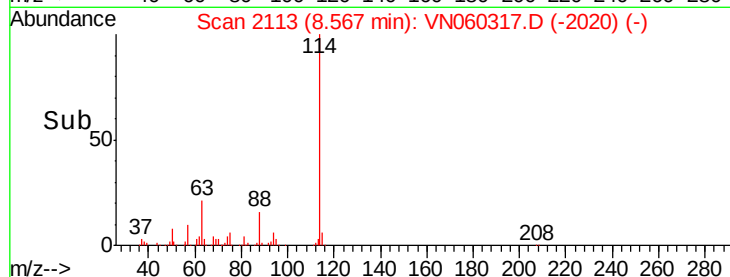
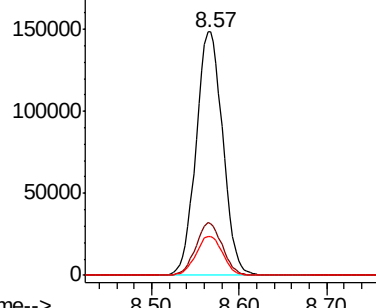
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VN060317.D
Acq: 3 Mar 2020 10:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 314042
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.2
88 16.2 0.0 31.6

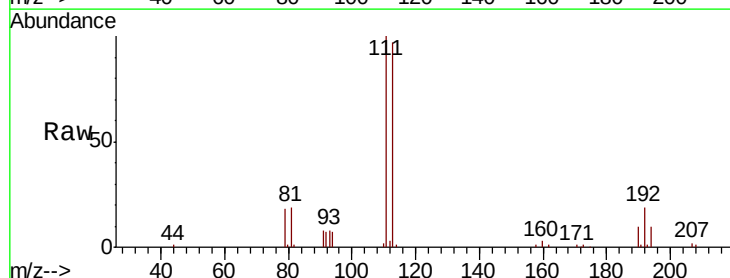


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

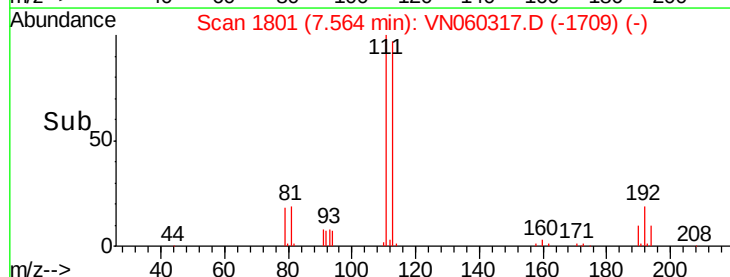
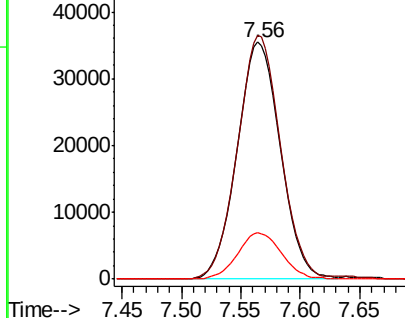


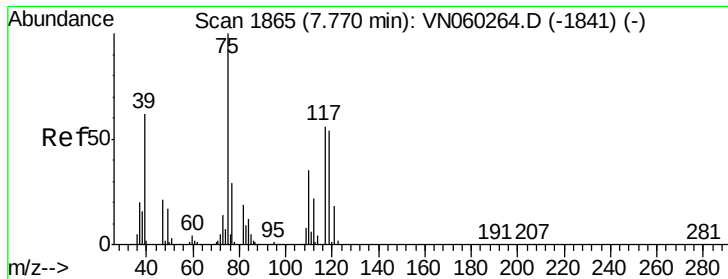
#35
Dibromofluoromethane
Concen: 61.326 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060317.D
Acq: 3 Mar 2020 10:09

Tgt Ion:113 Resp: 89393
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 19.8 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

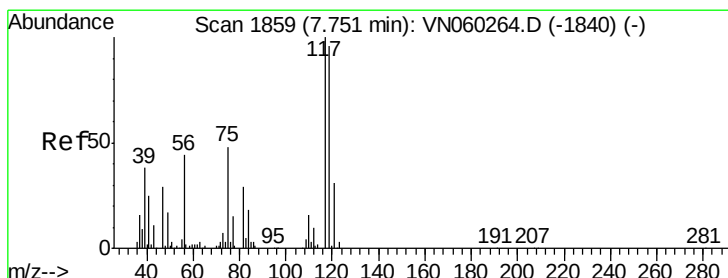
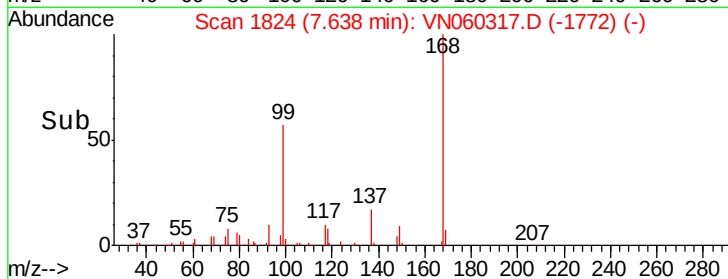
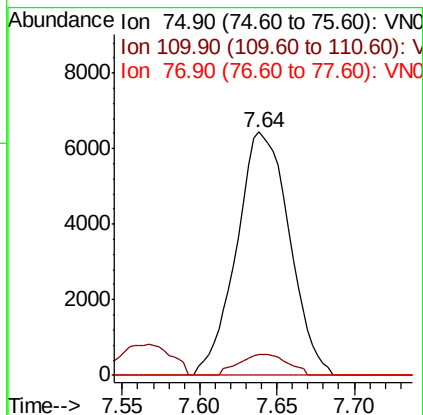
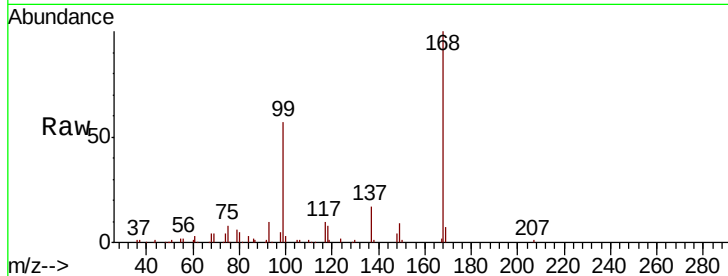




#36
 1,1-Dichloropropene
 Concen: 5.113 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060317.D
 Acq: 3 Mar 2020 10:09

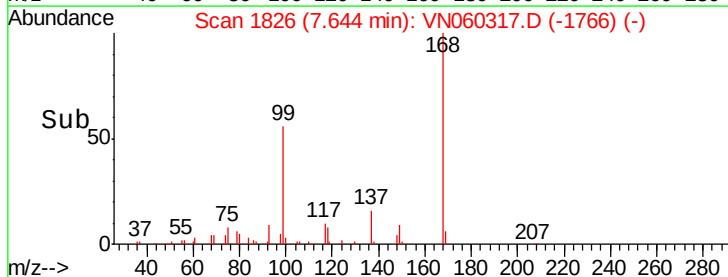
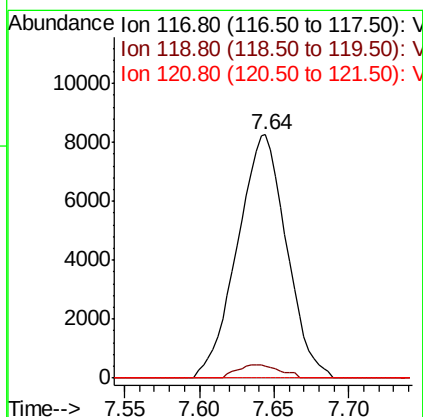
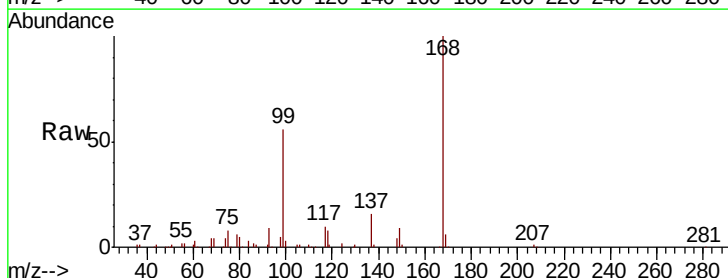
Instrument :
 MSVOA_N
 ClientSampleId :

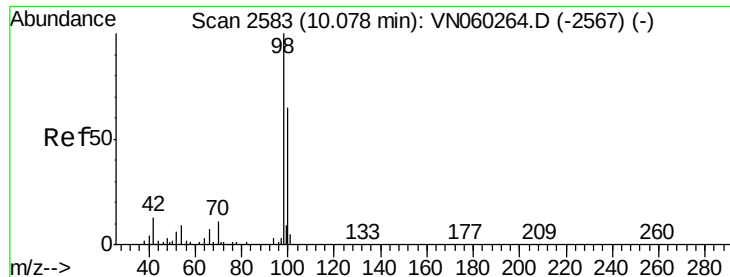
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.3	52.0#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.467 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060317.D
 Acq: 3 Mar 2020 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.7	115.1#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 51.544 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060317.D

Acq: 3 Mar 2020 10:09

Instrument :

MSVOA_N

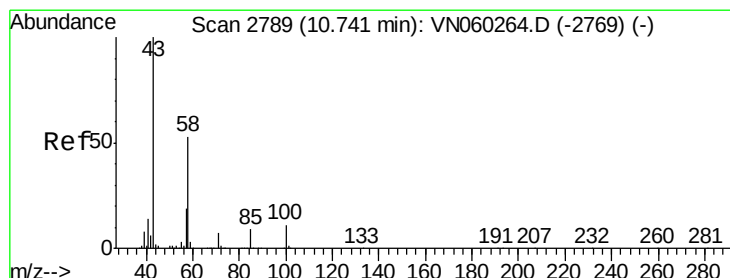
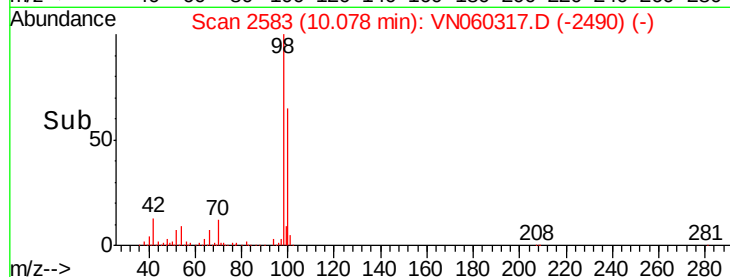
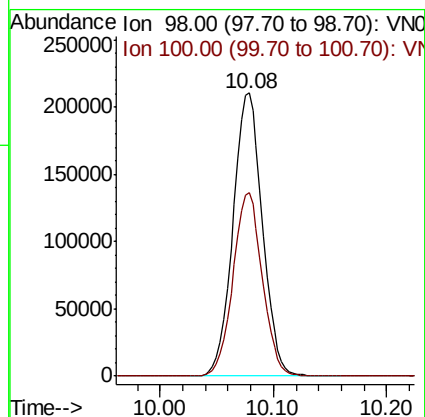
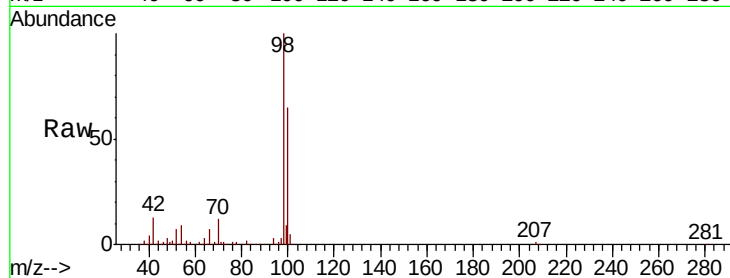
ClientSampleId :

Tot Ion: 98 Resp: 380270

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



#59

2-Hexanone

Concen: 0.346 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.01 min

Lab File: VN060317.D

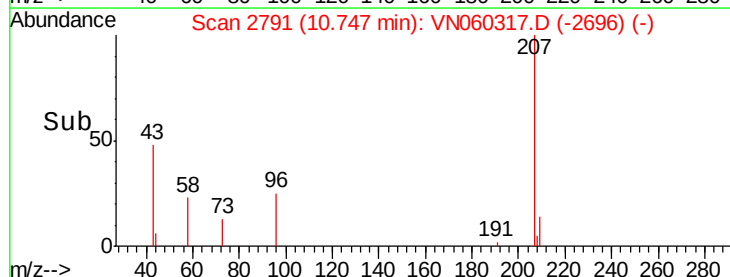
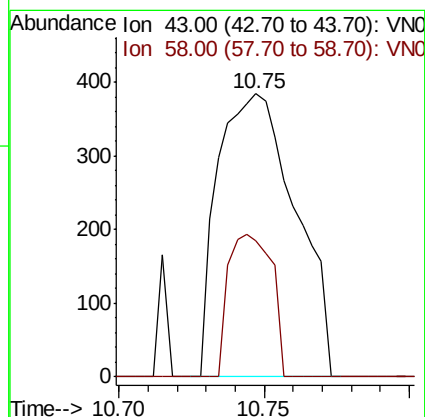
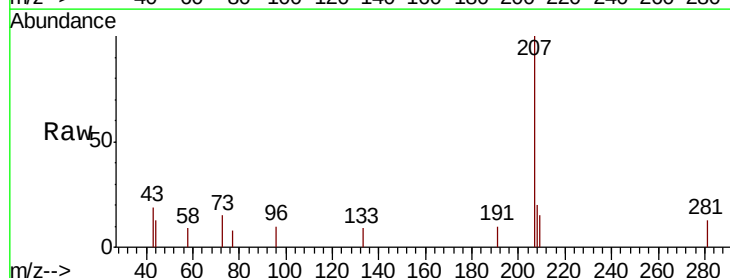
Acq: 3 Mar 2020 10:09

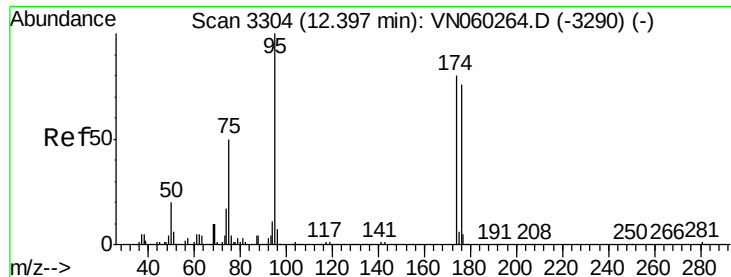
Tgt Ion: 43 Resp: 715

Ion Ratio Lower Upper

43 100

58 28.0 26.5 79.5

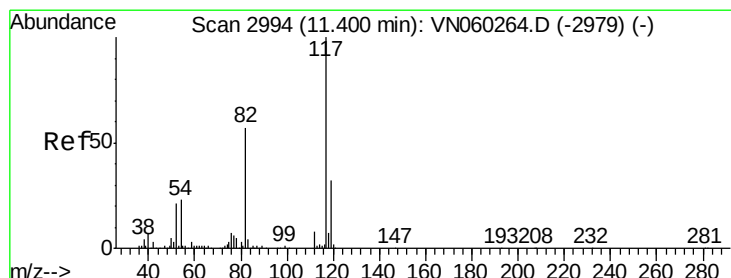
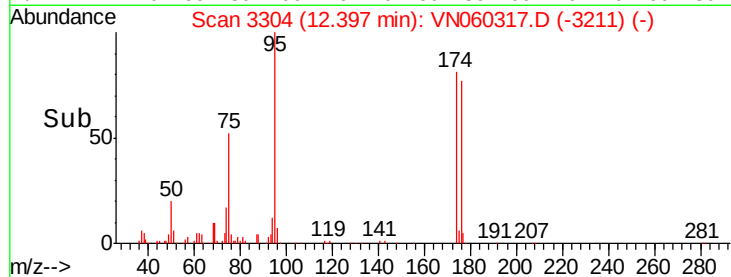
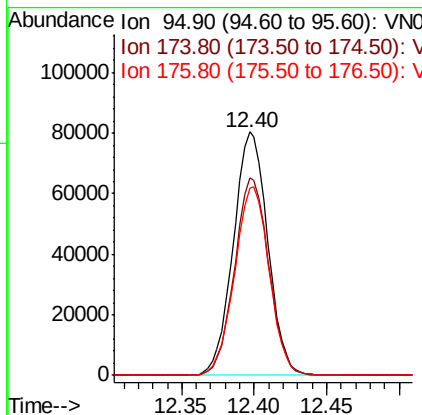
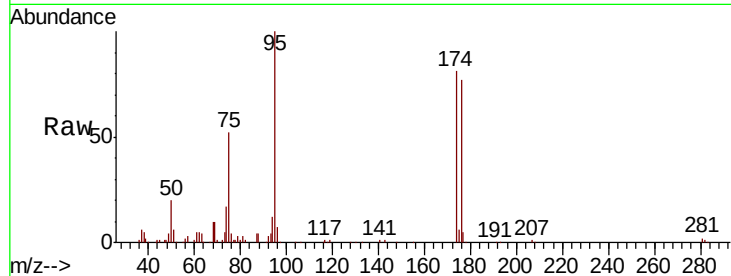




#62
4-Bromofluorobenzene
Concen: 47.347 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060317.D
Acq: 3 Mar 2020 10:09

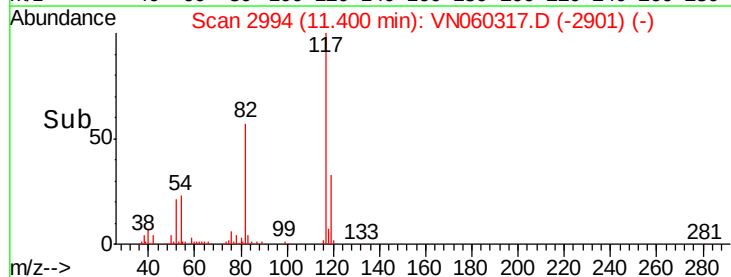
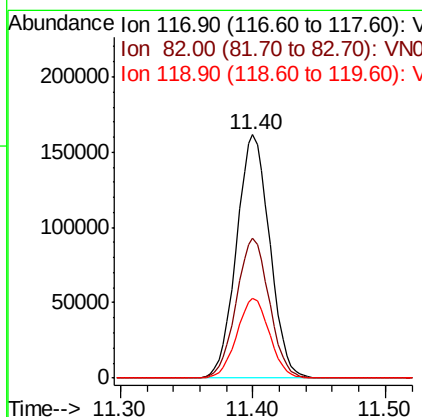
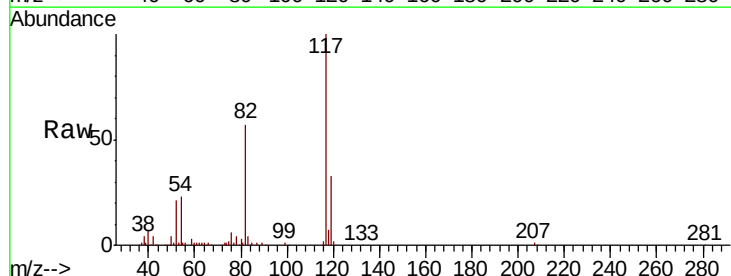
Instrument :
MSVOA_N
ClientSampled :

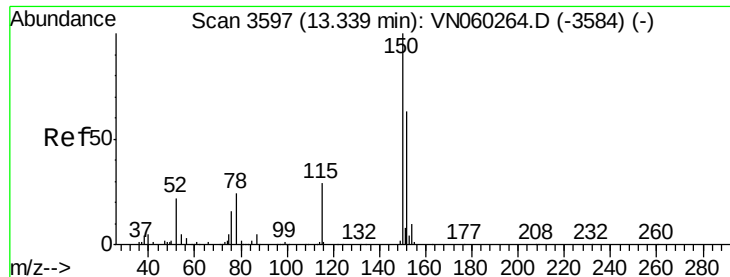
Tot Ion: 95 Resp: 132411
Ion Ratio Lower Upper
95 100
174 81.0 0.0 159.2
176 78.3 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060317.D
Acq: 3 Mar 2020 10:09

Tgt Ion: 117 Resp: 280941
Ion Ratio Lower Upper
117 100
82 57.3 45.8 68.6
119 32.8 25.8 38.8



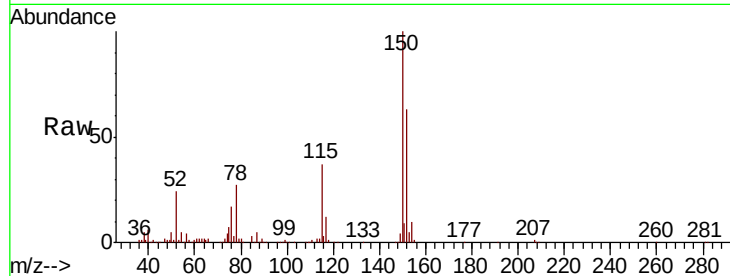


#72

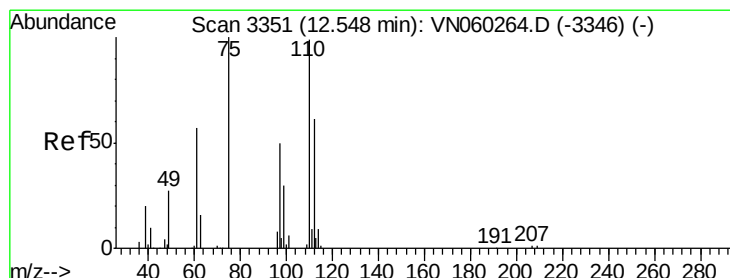
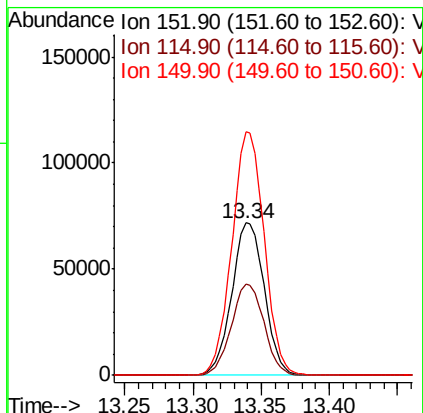
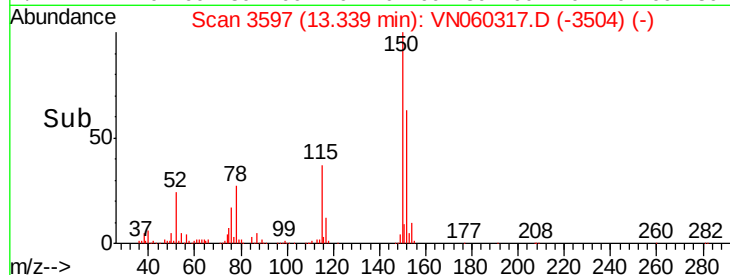
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060317.D
Acq: 3 Mar 2020 10:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.0	90.0
150	158.4	0.0	349.6



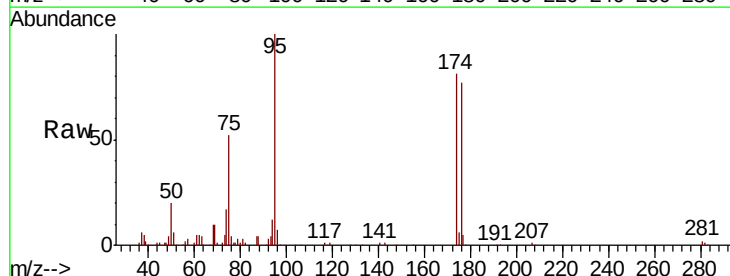
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



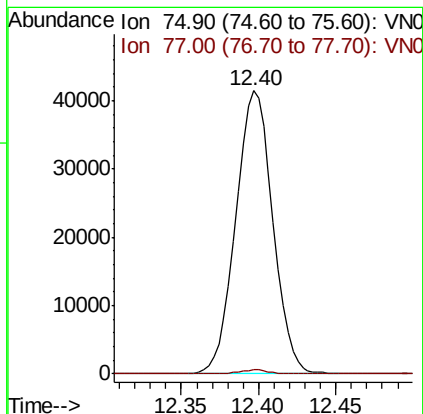
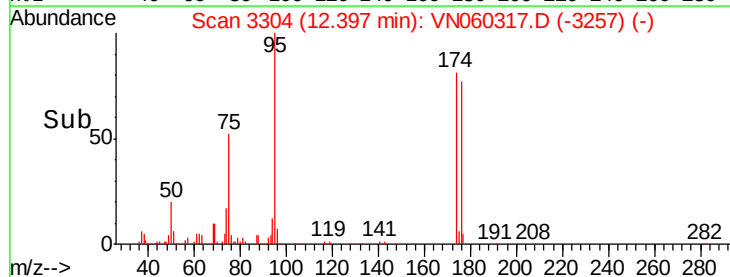
#76

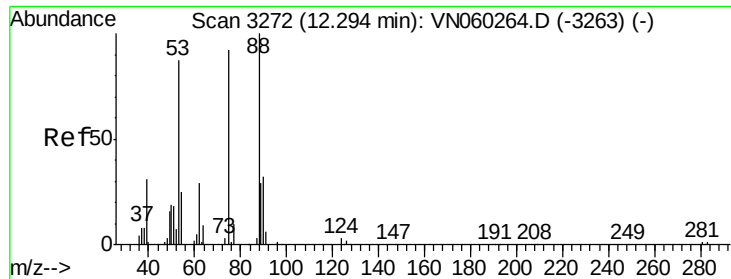
1,2,3-Trichloropropane
Concen: 26.352 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060317.D
Acq: 3 Mar 2020 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

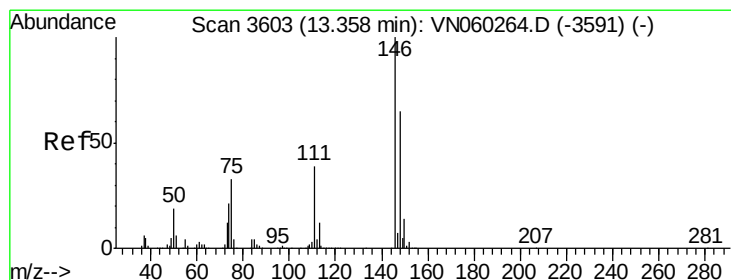
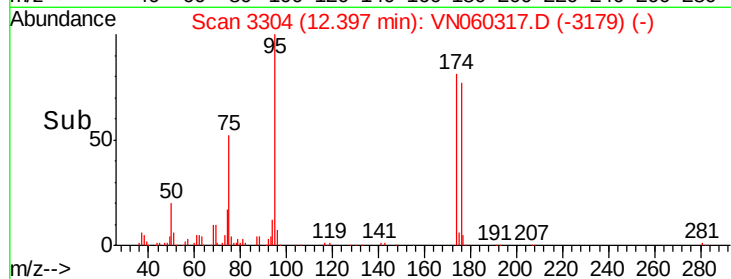
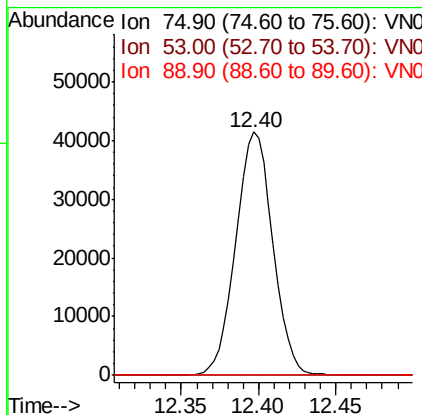
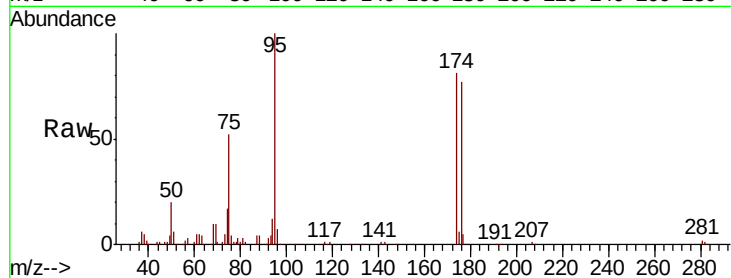




#81
trans-1,4-Dichloro-2-butene
Concen: 72.745 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060317.D
Acq: 3 Mar 2020 10:09

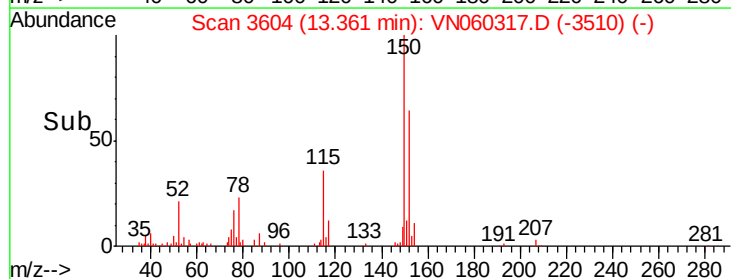
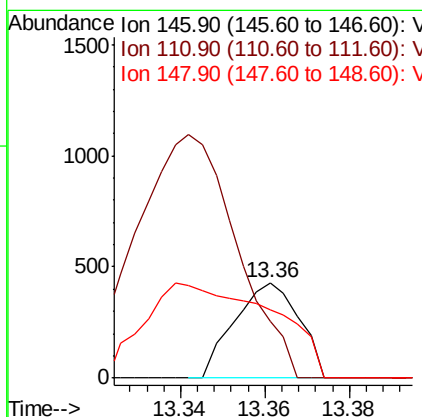
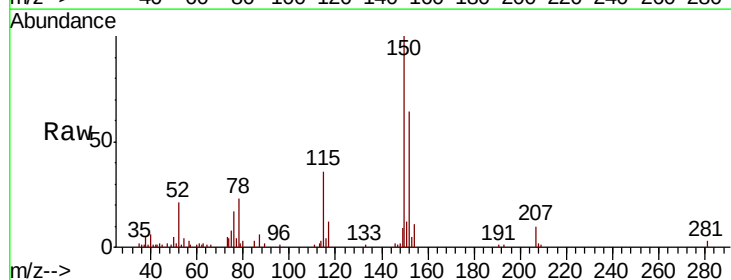
Instrument :
MSVOA_N
ClientSampled :

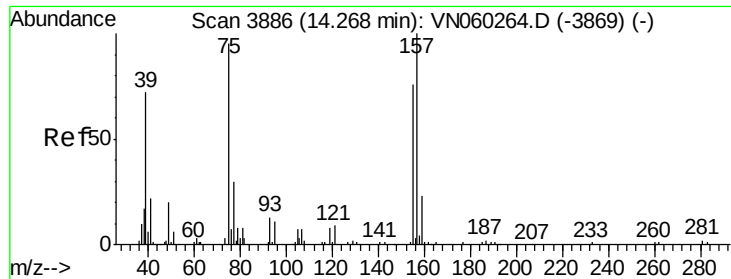
Tot Ion: 75 Resp: 68980
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN060317.D
Acq: 3 Mar 2020 10:09

Tgt Ion: 146 Resp: 454
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.4#
148 0.0 32.3 96.9#

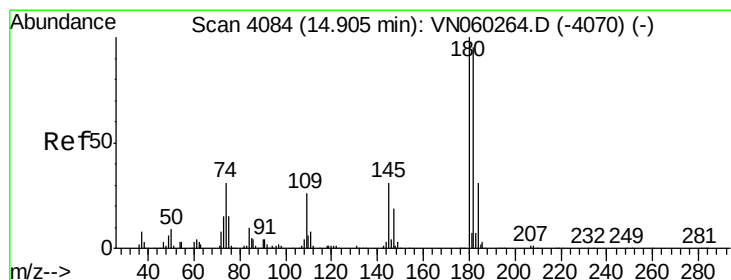
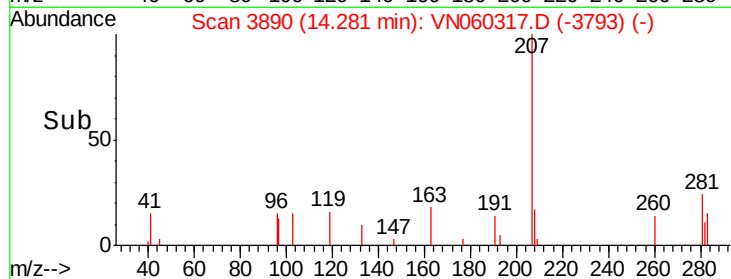
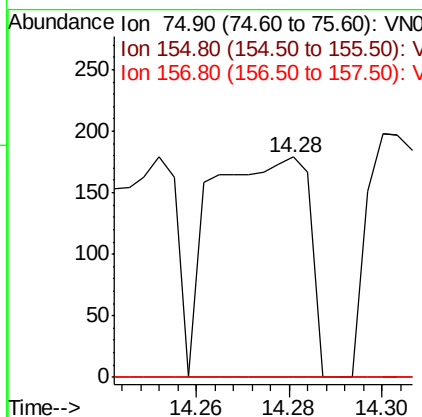
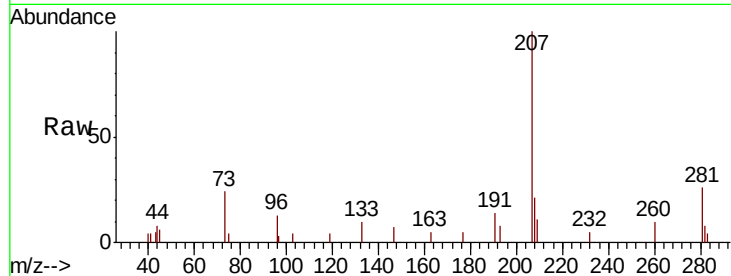




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.474 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.01 min
 Lab File: VN060317.D
 Acq: 3 Mar 2020 10:09

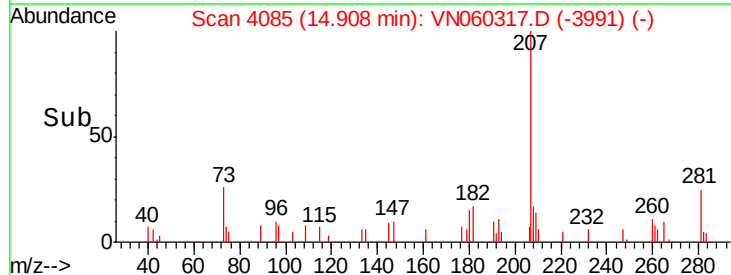
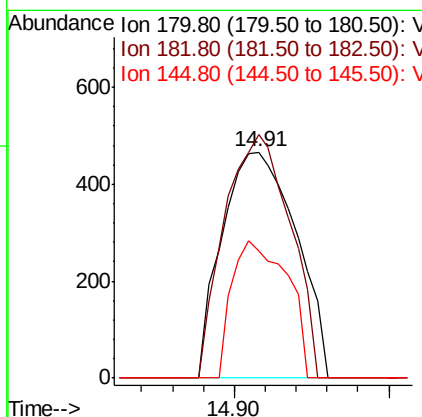
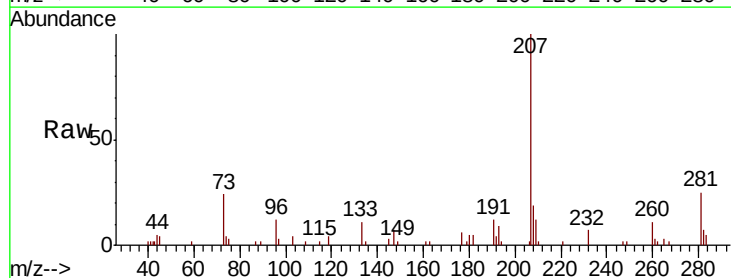
Instrument :
 MSVOA_N
 ClientSampled :

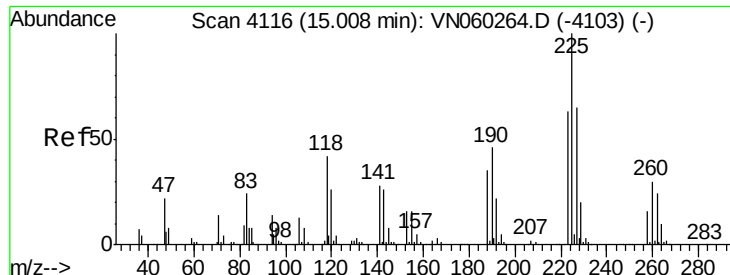
Tot Ion: 75 Resp: 258
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.4 121.2#
 157 0.0 52.5 157.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.409 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060317.D
 Acq: 3 Mar 2020 10:09

Tgt Ion: 180 Resp: 775
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.8 143.3
 145 45.3 15.4 46.1





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN060317.D

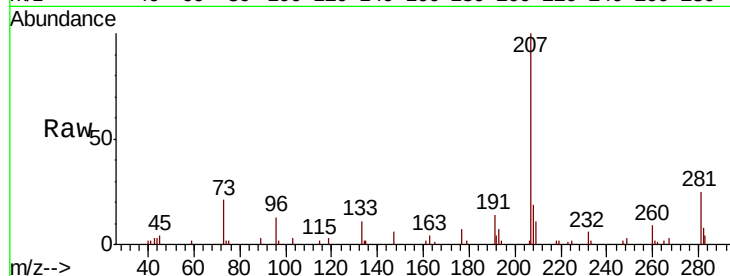
Acq: 3 Mar 2020 10:09

Instrument :

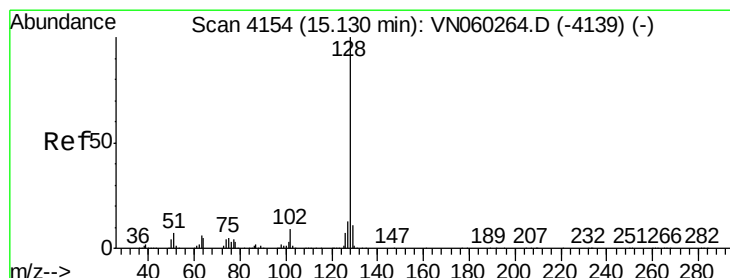
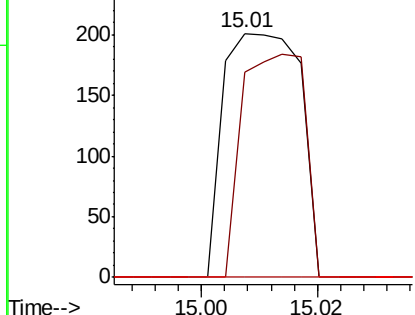
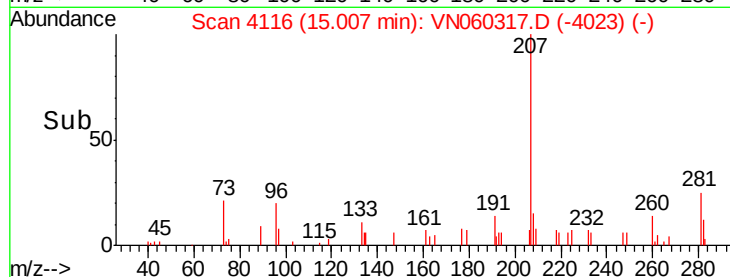
MSVOA_N

ClientSampleId :

Tot Ion:	225	Resp:	184
Ion	Ratio	Lower	Upper
225	100		
223	75.0	31.3	93.9
227	0.0	32.3	96.9#



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: 0.226 ug/l

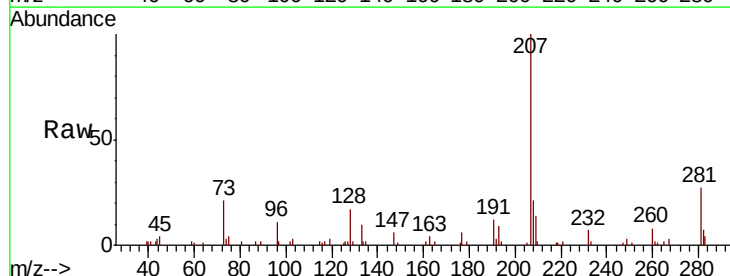
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

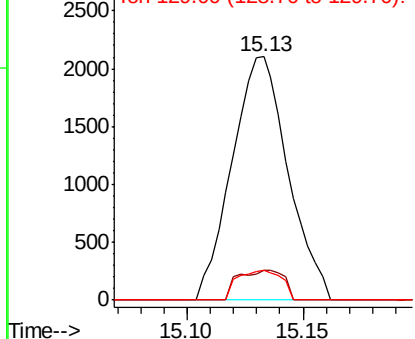
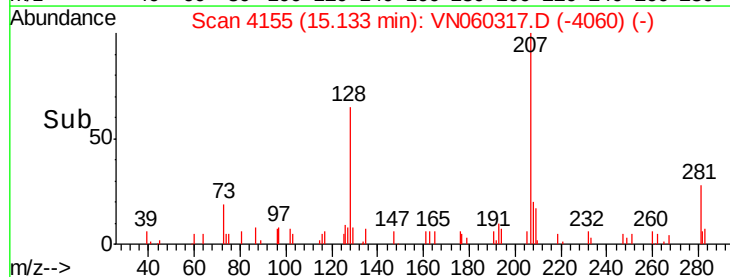
Lab File: VN060317.D

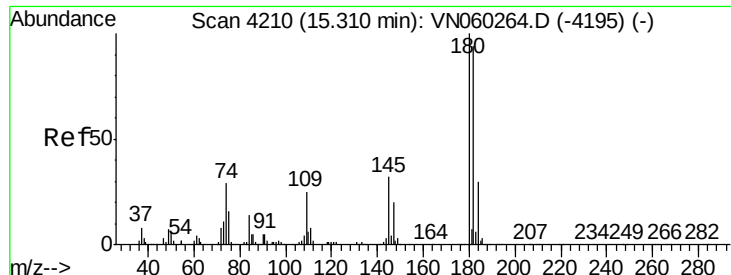
Acq: 3 Mar 2020 10:09

Tgt Ion:	128	Resp:	3529
Ion	Ratio	Lower	Upper
128	100		
127	10.1	10.4	15.6#
129	9.5	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

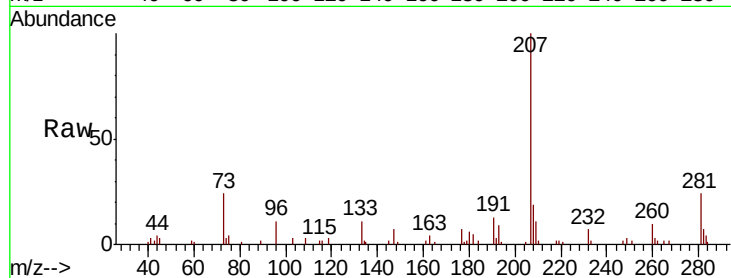




#96
 1,2,3-Trichlorobenzene
 Concen: 0.343 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060317.D
 Acq: 3 Mar 2020 10:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	142.0
145	34.1	16.2	48.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

