

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022420\
 Data File : VN060215.D
 Acq On : 24 Feb 2020 17:29
 Operator : JC/MD
 Sample : L1671-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 25 00:20:34 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	171501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	269023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	248830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	109741	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	101112	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	7.57	113	82211	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
50) Toluene-d8	10.08	98	321328	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.40	95	113393	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	

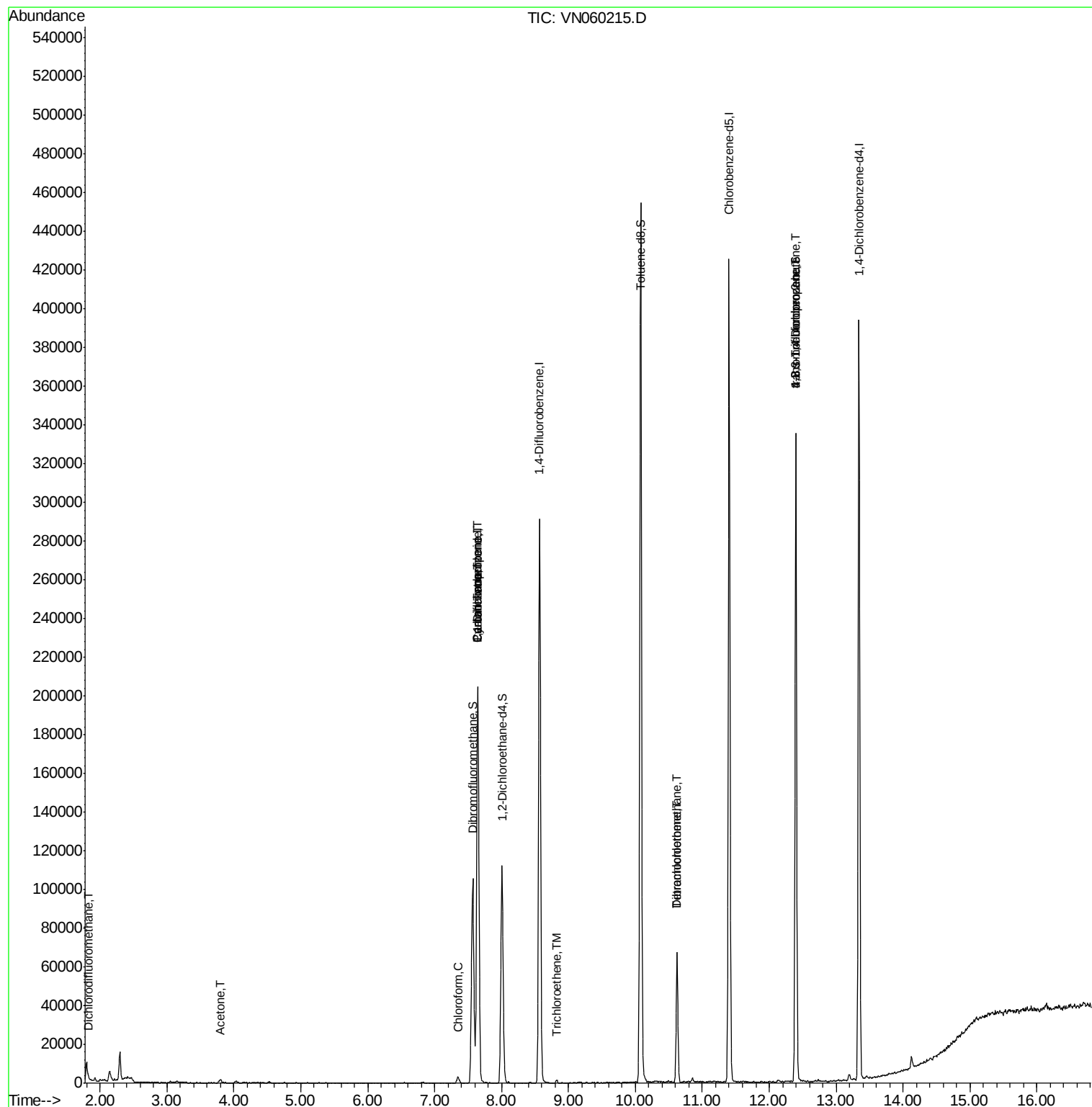
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	567	0.331	ug/l	87
16) Acetone	3.79	43	3150	3.460	ug/l #	84
30) Chloroform	7.35	83	3794	1.143	ug/l #	82
31) Cyclohexane	7.64	56	3404	1.153	ug/l #	37
36) 1,1-Dichloropropene	7.64	75	12041	4.832	ug/l #	49
38) Carbon Tetrachloride	7.64	117	15969	5.901	ug/l #	15
44) Trichloroethene	8.83	130	529	0.258	ug/l	91
60) Dibromochloromethane	10.62	129	14793	6.971	ug/l #	11
64) Tetrachloroethene	10.62	164	15617	8.256	ug/l	95
76) 1,2,3-Trichloropropane	12.40	75	59655	28.413	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	59655	69.569	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.24	75	62	Below Cal	#	1

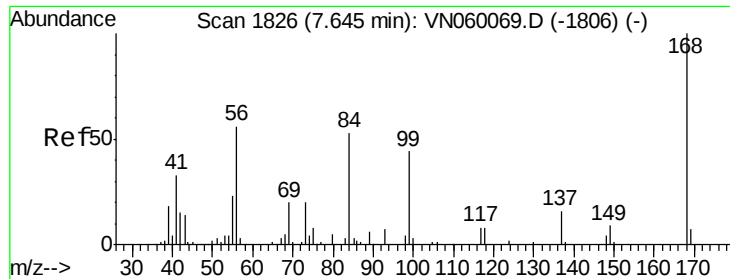
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022420\
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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# 1826

Delta R.T. -0.00 min

Lab File: VN060215.D

Acq: 24 Feb 2020 17:29

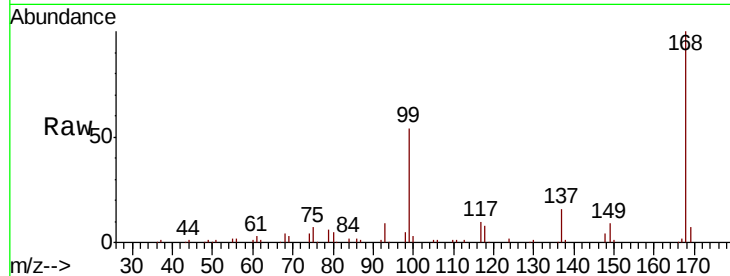
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 171501

Ion Ratio Lower Upper

168 100

99 54.1 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

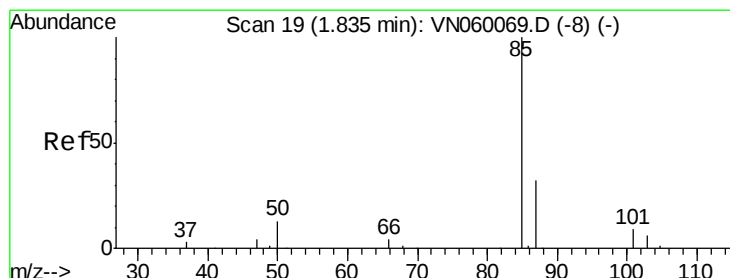
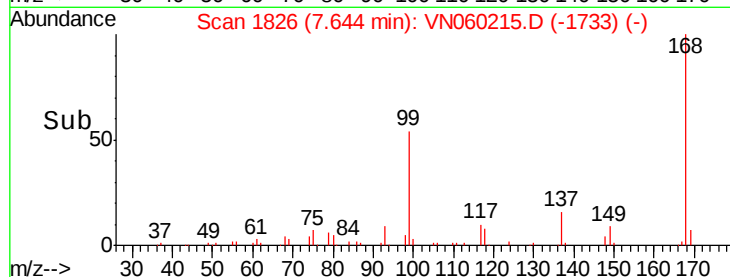
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.331 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060215.D

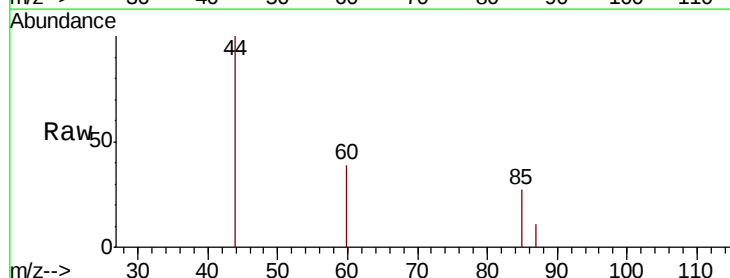
Acq: 24 Feb 2020 17:29

Tgt Ion: 85 Resp: 567

Ion Ratio Lower Upper

85 100

87 39.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

500

400

300

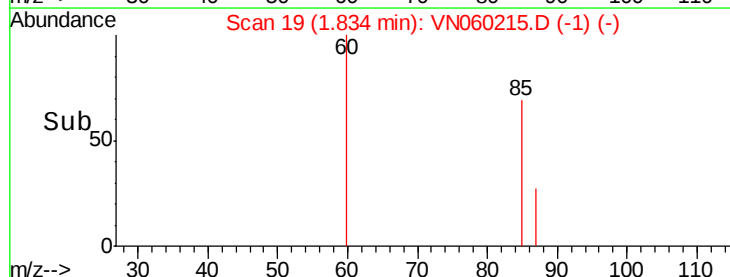
200

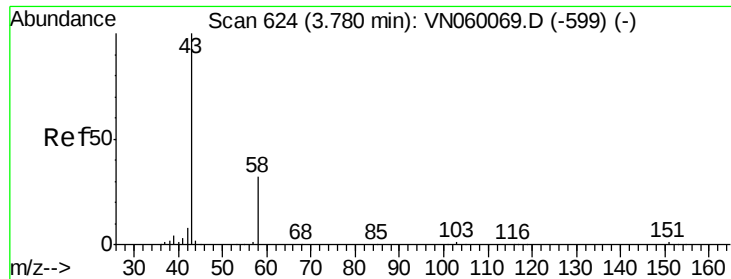
100

0

1.80 1.82 1.84 1.86

Time-->





#16

Acetone

Concen: 3.460 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060215.D

Acq: 24 Feb 2020 17:29

Instrument :

MSVOA_N

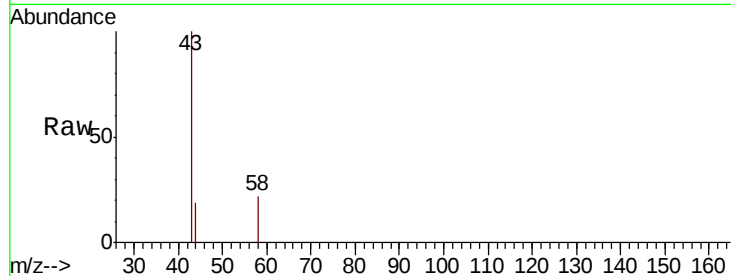
ClientSampled :

Tot Ion: 43 Resp: 3150

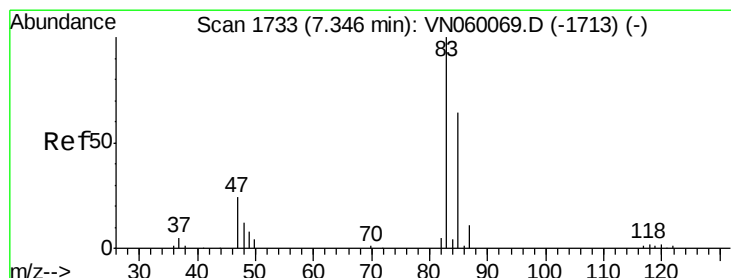
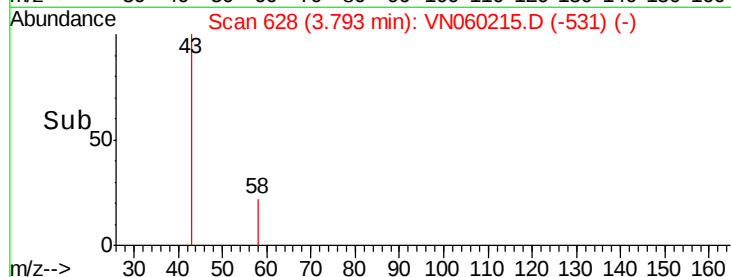
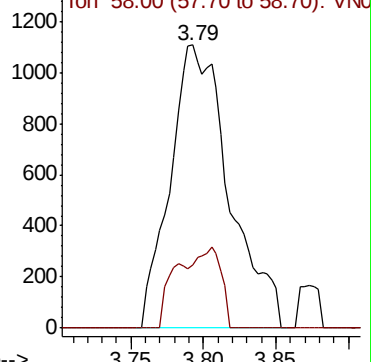
Ion Ratio Lower Upper

43 100

58 22.5 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-599) (-)



#30

Chloroform

Concen: 1.143 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. 0.00 min

Lab File: VN060215.D

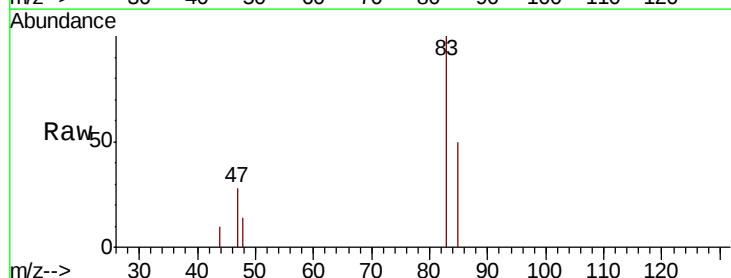
Acq: 24 Feb 2020 17:29

Tgt Ion: 83 Resp: 3794

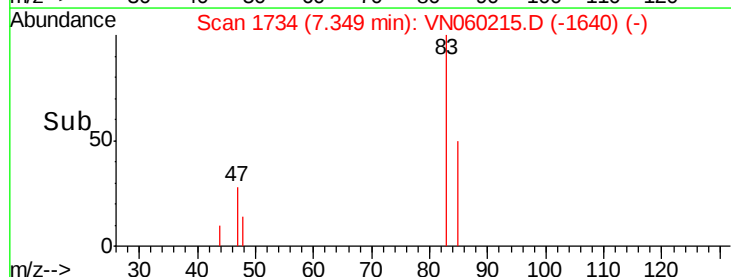
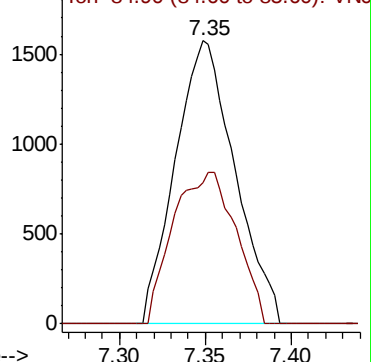
Ion Ratio Lower Upper

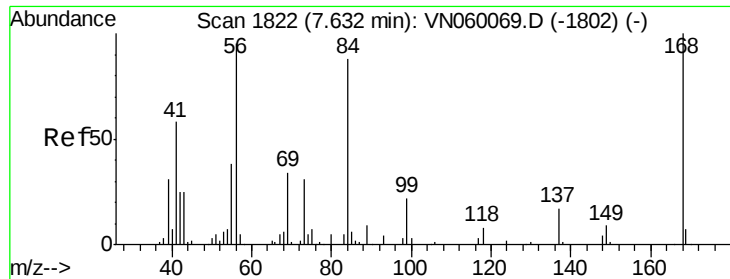
83 100

85 50.2 51.4 77.0#



Abundance Ion 82.90 (82.60 to 83.60): VN060069.D (-1713) (-)

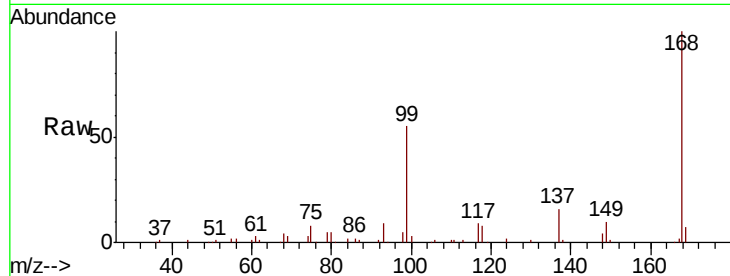




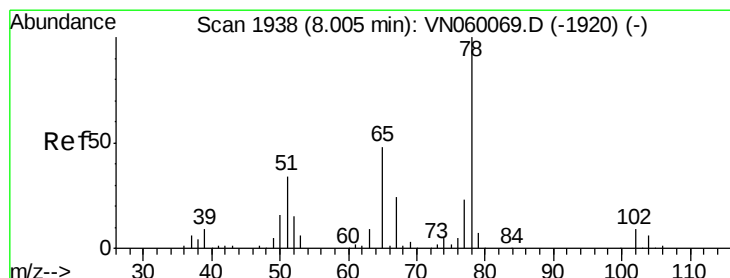
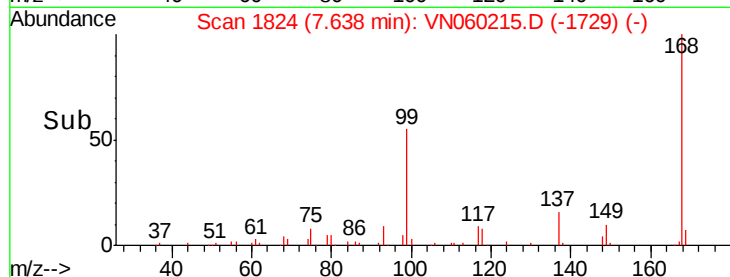
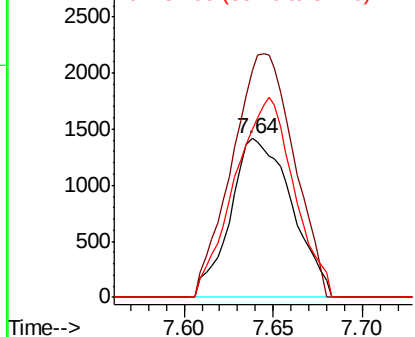
#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060215.D
Acq: 24 Feb 2020 17:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 3404
Ion Ratio Lower Upper
56 100
69 143.4 28.3 42.5#
84 105.7 72.6 108.8

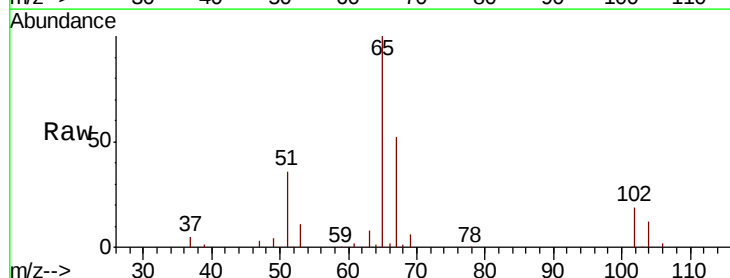


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

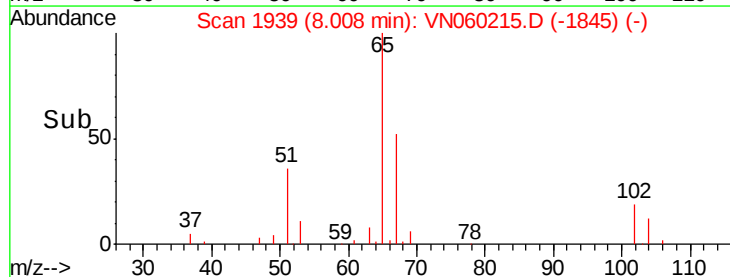
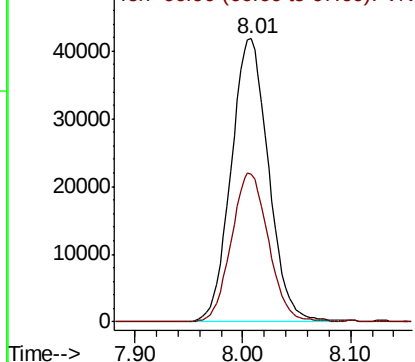


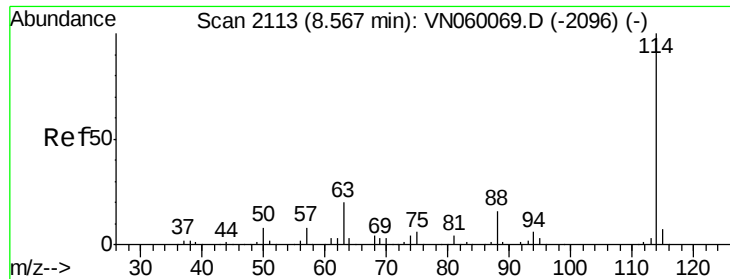
#33
1,2-Dichloroethane-d4
Concen: 48.451 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN060215.D
Acq: 24 Feb 2020 17:29

Tgt Ion: 65 Resp: 101112
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

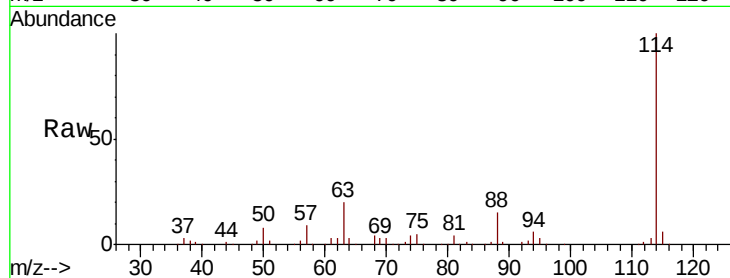




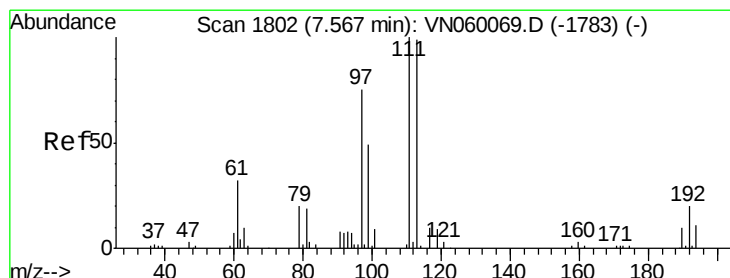
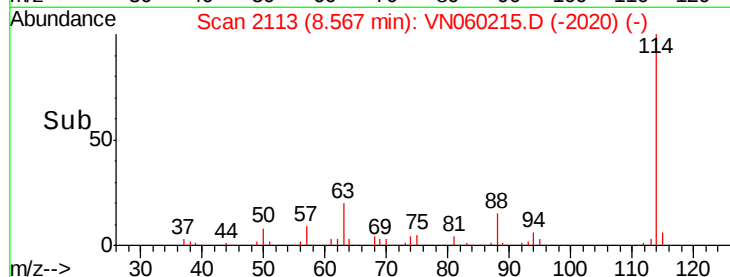
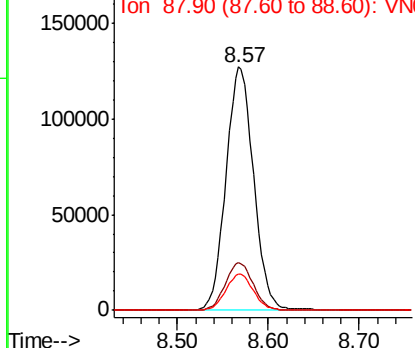
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VN060215.D
Acq: 24 Feb 2020 17:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 269023
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.0
88 15.0 0.0 31.6

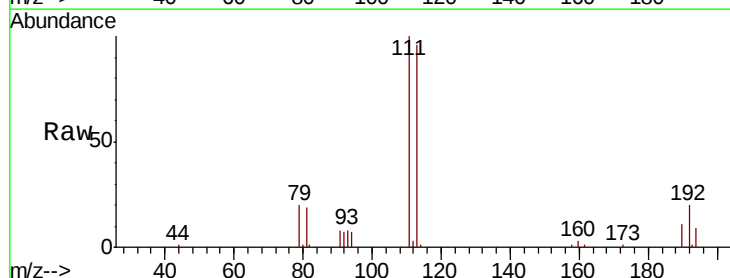


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

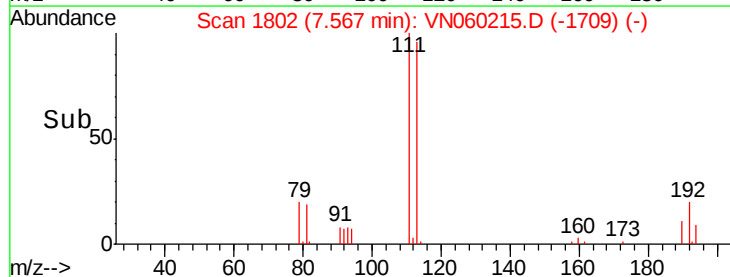
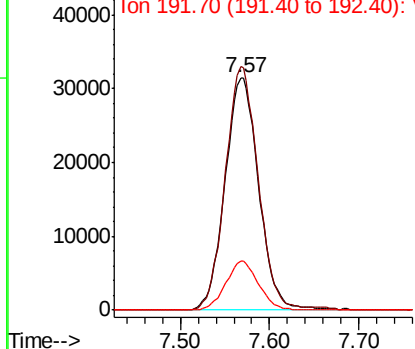


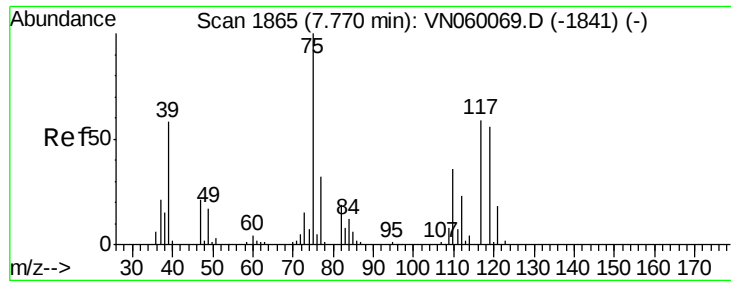
#35
Dibromofluoromethane
Concen: 49.714 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN060215.D
Acq: 24 Feb 2020 17:29

Tgt Ion:113 Resp: 82211
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.2
192 20.3 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

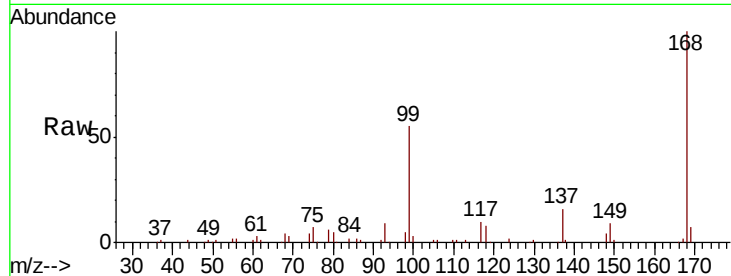




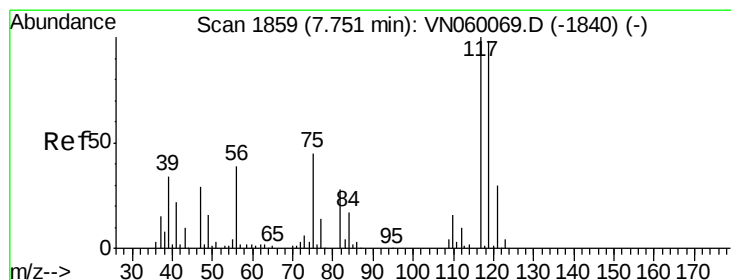
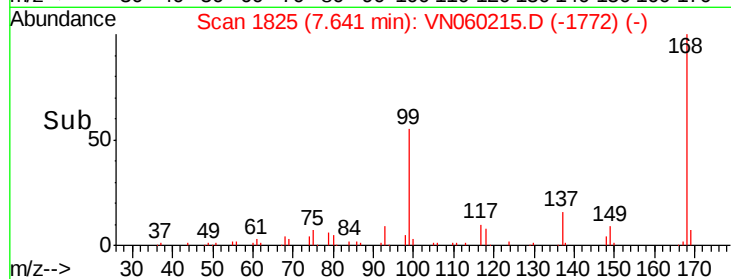
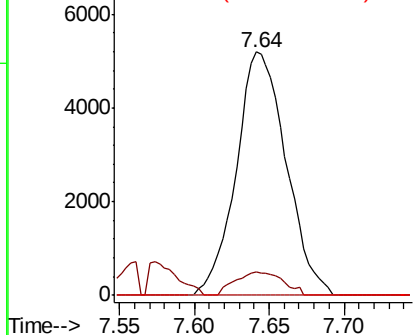
#36
 1,1-Dichloropropene
 Concen: 4.832 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060215.D
 Acq: 24 Feb 2020 17:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.3#
77	0.0	25.1	37.7#

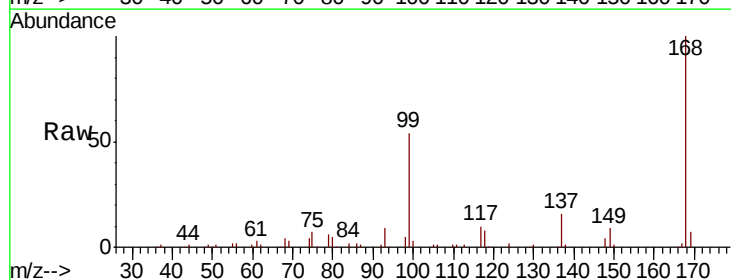


Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-1841) (-)
 Ion 109.90 (109.60 to 110.60): VN060069.D (-1841) (-)
 Ion 76.90 (76.60 to 77.60): VN060069.D (-1841) (-)

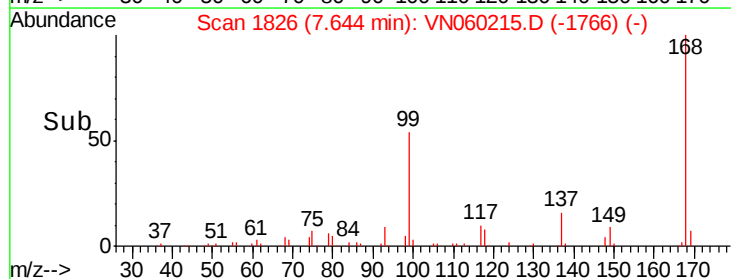
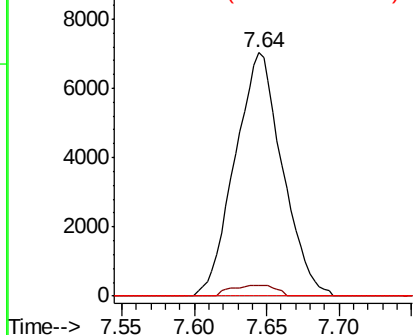


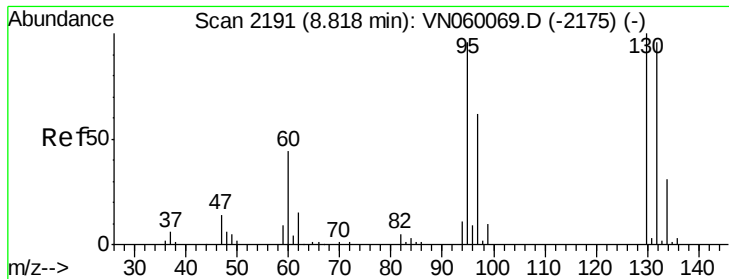
#38
 Carbon Tetrachloride
 Concen: 5.901 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060215.D
 Acq: 24 Feb 2020 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	78.2	117.4#
121	0.0	24.2	36.2#



Abundance Ion 116.80 (116.50 to 117.50): VN060069.D (-1840) (-)
 Ion 118.80 (118.50 to 119.50): VN060069.D (-1840) (-)
 Ion 120.80 (120.50 to 121.50): VN060069.D (-1840) (-)





#44

Trichloroethene

Concen: 0.258 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VN060215.D

Acq: 24 Feb 2020 17:29

Instrument :

MSVOA_N

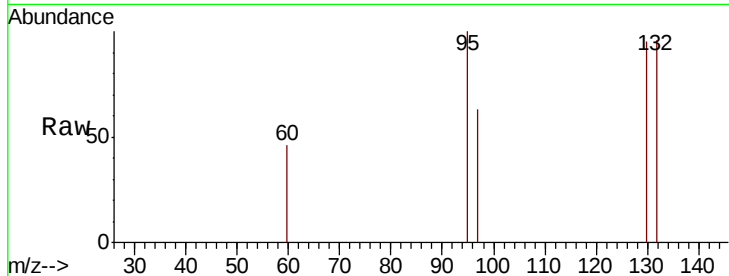
ClientSampleId :

Tot Ion:130 Resp: 529

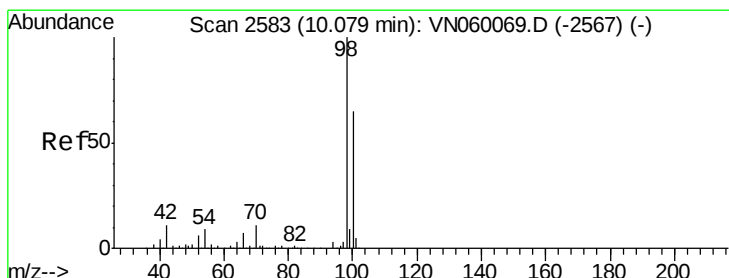
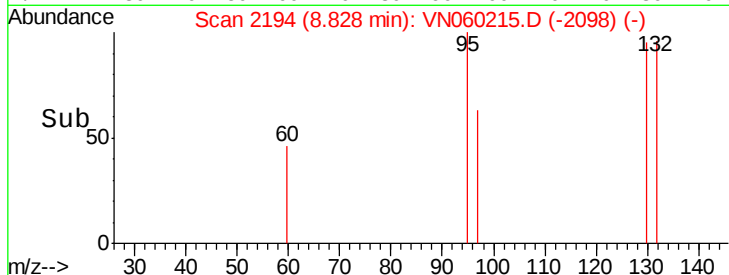
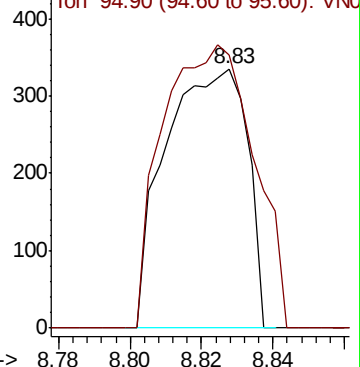
Ion Ratio Lower Upper

130 100

95 105.4 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060069.D (-2175) (-)



#50

Toluene-d8

Concen: 49.343 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060215.D

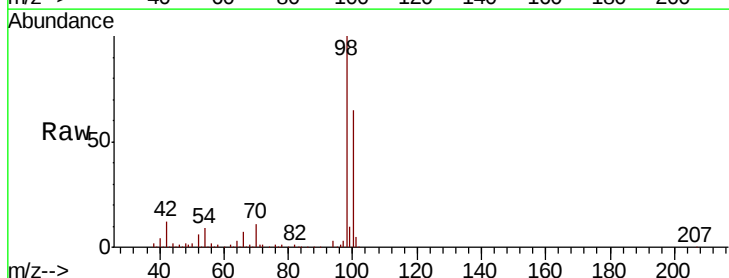
Acq: 24 Feb 2020 17:29

Tgt Ion: 98 Resp: 321328

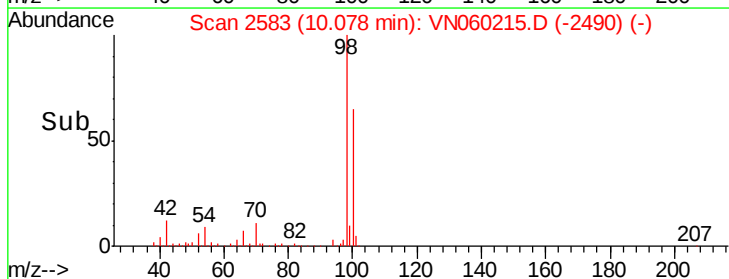
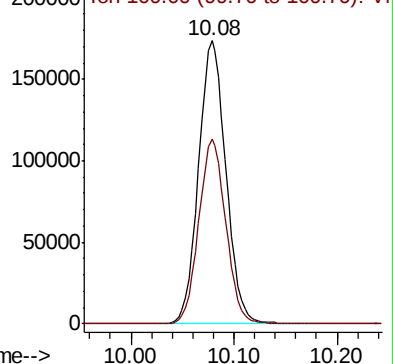
Ion Ratio Lower Upper

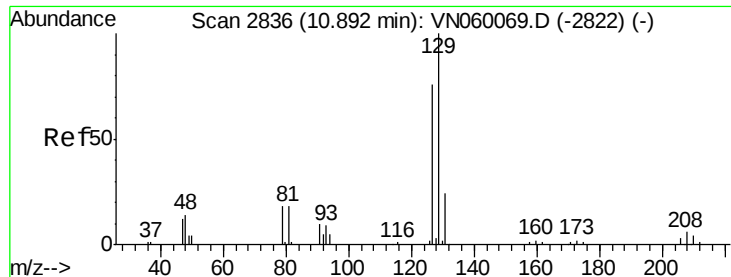
98 100

100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN060069.D (-2567) (-)





#60

Dibromochloromethane

Concen: 6.971 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.27 min

Lab File: VN060215.D

Acq: 24 Feb 2020 17:29

Instrument :

MSVOA_N

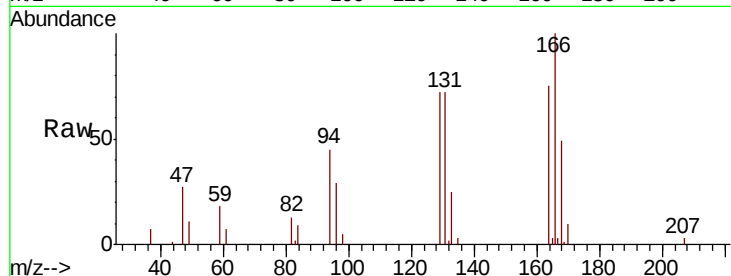
ClientSampleId :

Tot Ion:129 Resp: 14793

Ion Ratio Lower Upper

129 100

127 0.0 38.0 114.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.62

8000

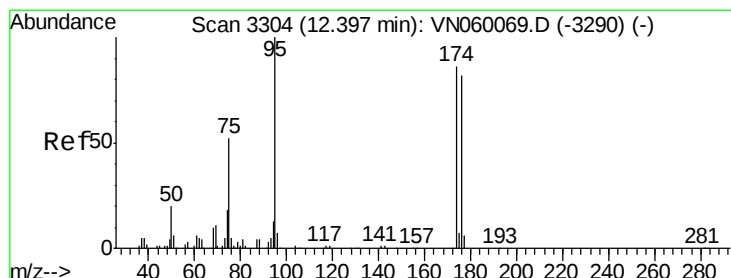
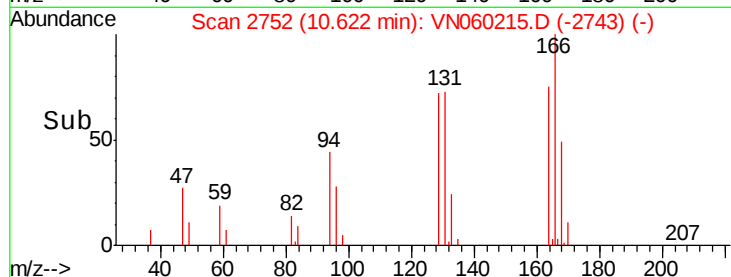
6000

4000

2000

0

Time--> 10.60 10.65



#62

4-Bromofluorobenzene

Concen: 47.387 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060215.D

Acq: 24 Feb 2020 17:29

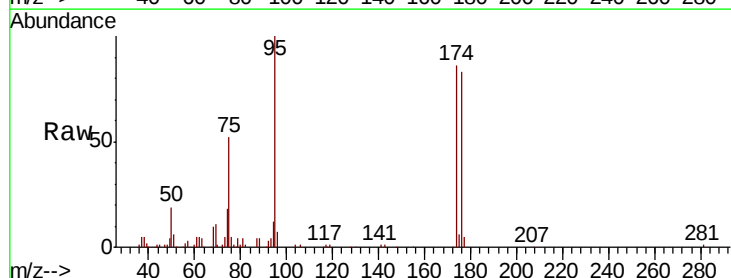
Tgt Ion: 95 Resp: 113393

Ion Ratio Lower Upper

95 100

174 86.9 0.0 169.8

176 84.1 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

80000

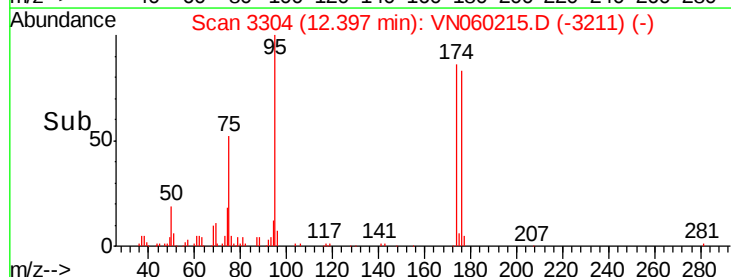
60000

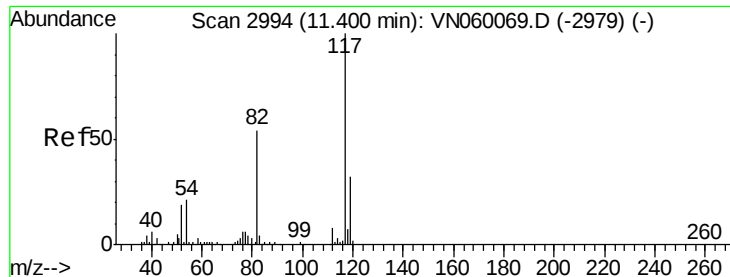
40000

20000

0

Time--> 12.30 12.40 12.50

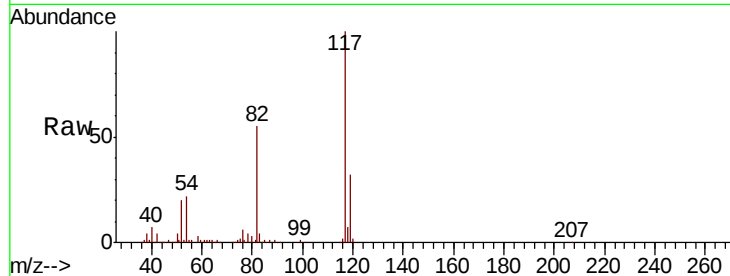




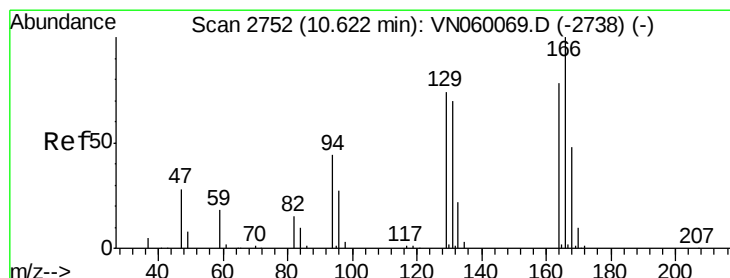
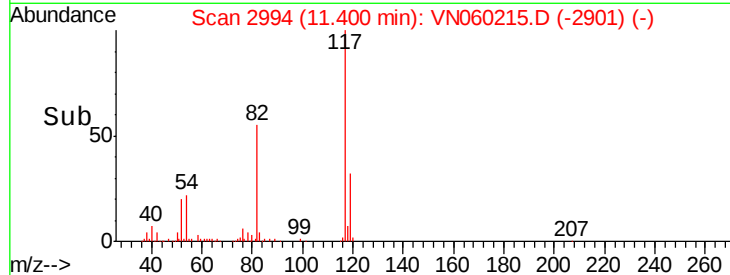
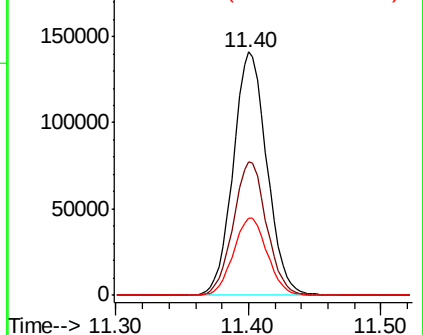
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060215.D
Acq: 24 Feb 2020 17:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 248830
Ion Ratio Lower Upper
117 100
82 55.1 43.4 65.0
119 31.6 25.8 38.6

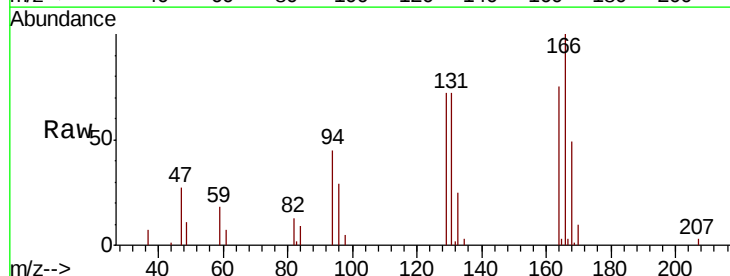


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

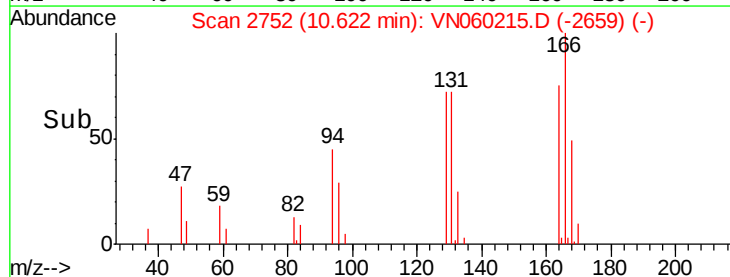
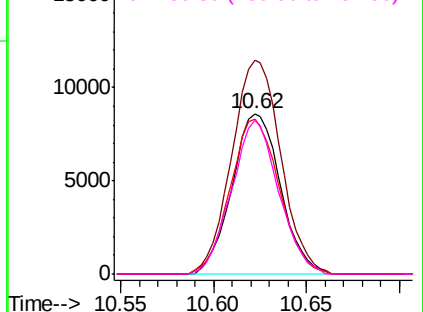


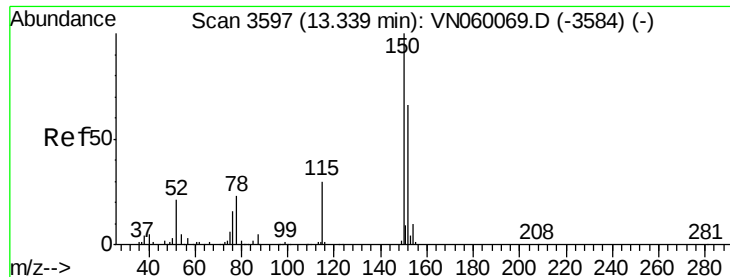
#64
Tetrachloroethene
Concen: 8.256 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060215.D
Acq: 24 Feb 2020 17:29

Tgt Ion:164 Resp: 15617
Ion Ratio Lower Upper
164 100
166 133.2 101.9 152.9
129 96.4 75.4 113.0
131 96.1 71.4 107.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



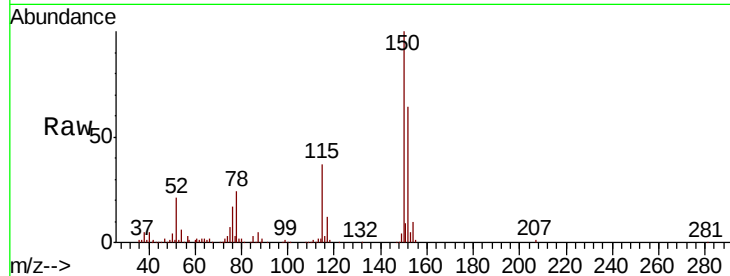


#72

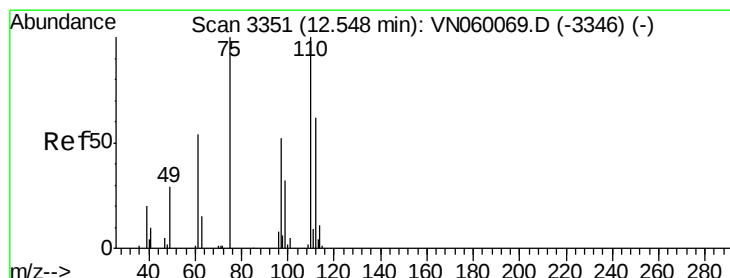
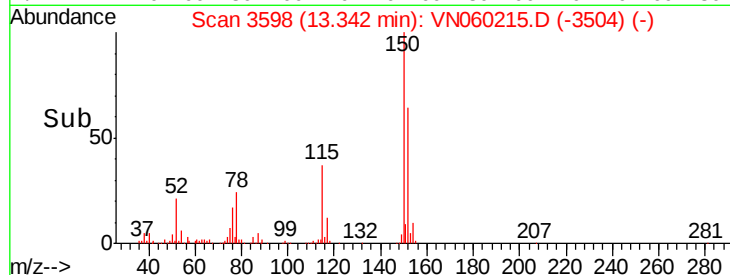
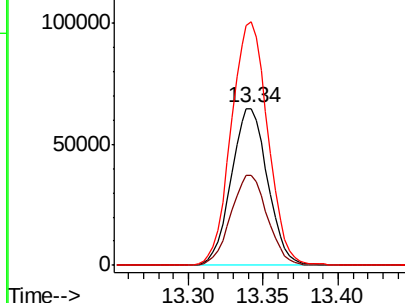
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN060215.D
Acq: 24 Feb 2020 17:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.8
150	156.5	0.0	342.4



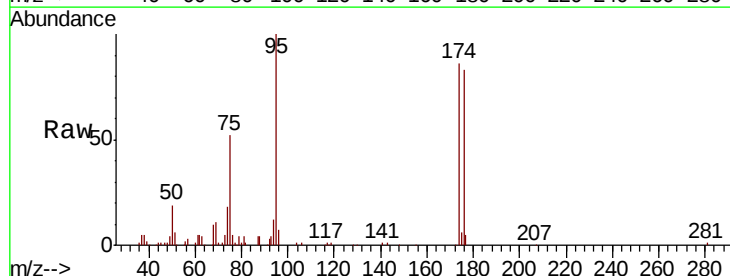
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



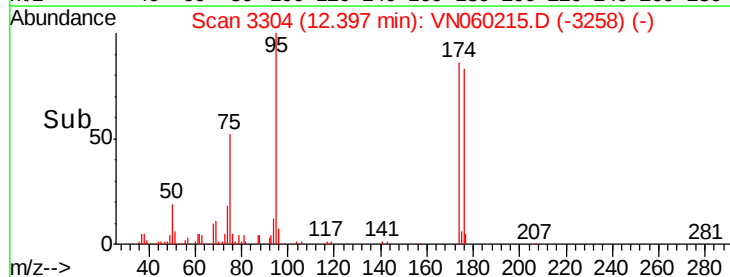
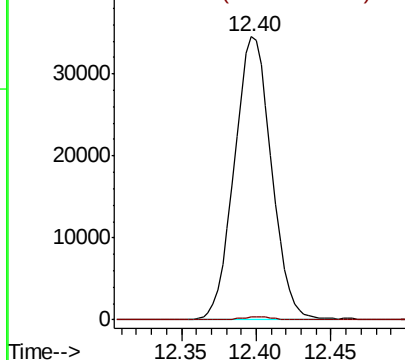
#76

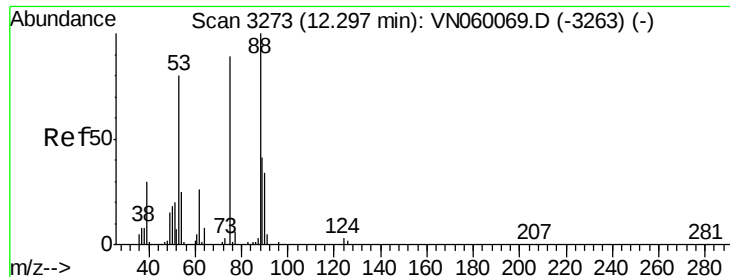
1,2,3-Trichloropropane
Concen: 28.413 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060215.D
Acq: 24 Feb 2020 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.9	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: 69.569 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060215.D

Acq: 24 Feb 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

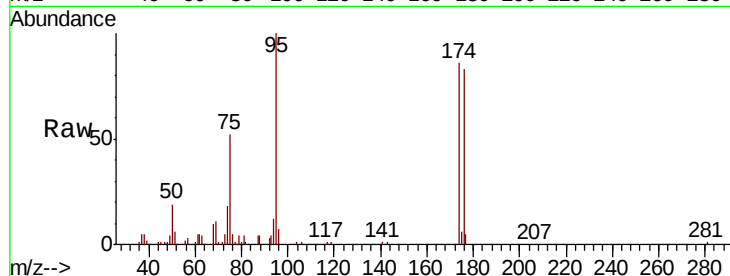
Tot Ion: 75 Resp: 59655

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

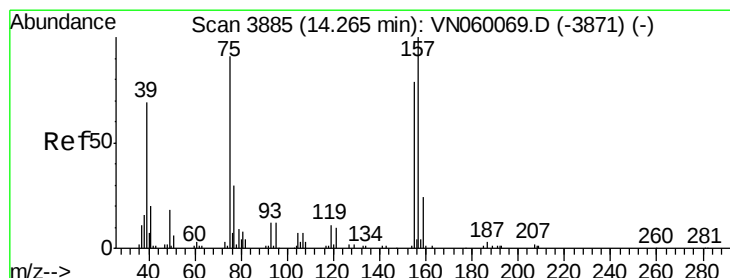
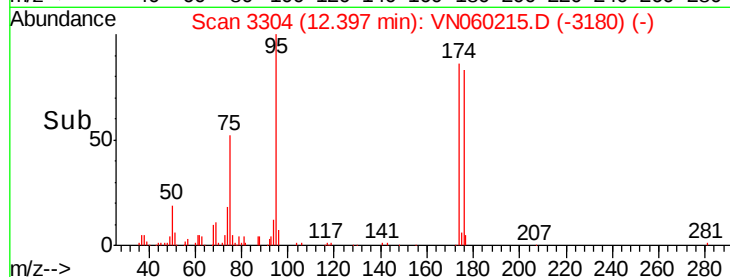
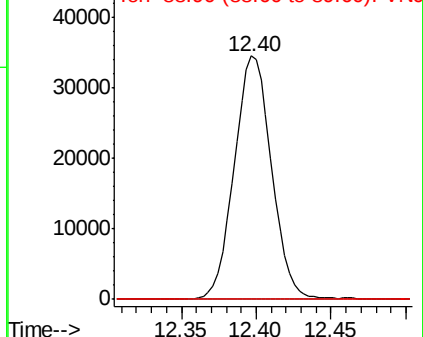
89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3263) (-)

Ion 53.00 (52.70 to 53.70): VN060069.D (-3263) (-)

Ion 88.90 (88.60 to 89.60): VN060069.D (-3263) (-)



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.24 min Scan# 3878

Delta R.T. -0.02 min

Lab File: VN060215.D

Acq: 24 Feb 2020 17:29

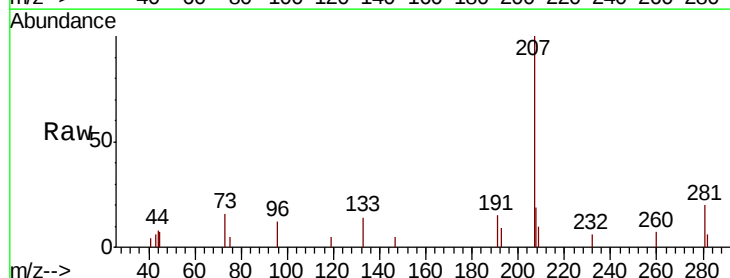
Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

157 0.0 54.9 164.5#



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3871) (-)

Ion 154.80 (154.50 to 155.50): VN060069.D (-3871) (-)

Ion 156.80 (156.50 to 157.50): VN060069.D (-3871) (-)

