

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN113020\
 Data File : VN064863.D
 Acq On : 30 Nov 2020 11:06
 Operator : JC/MD
 Sample : VN1130MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 01 01:18:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	163422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	281795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	289806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	126756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	97884	51.52	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.04%
35) Dibromofluoromethane	7.55	113	89810	53.26	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.52%
50) Toluene-d8	10.06	98	352030	51.10	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.20%
62) 4-Bromofluorobenzene	12.37	95	132246	53.64	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.28%

Target Compounds

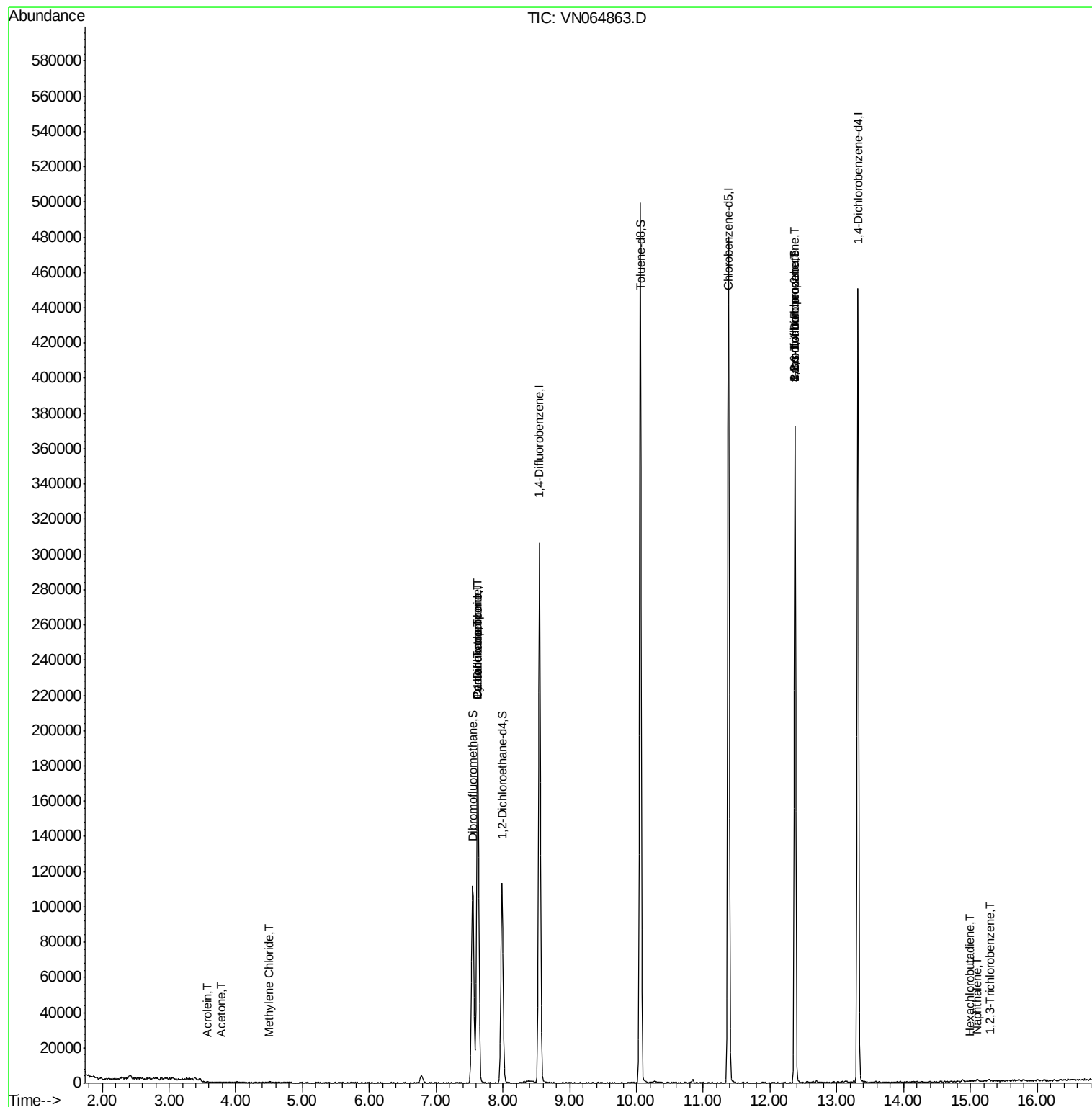
					Qvalue	
13) Acrolein	3.57	56	65	0.359	ug/l #	14
16) Acetone	3.78	43	281	0.450	ug/l #	43
20) Methylene Chloride	4.50	84	445	0.227	ug/l #	63
31) Cyclohexane	7.62	56	3023	1.142	ug/l #	42
36) 1,1-Dichloropropene	7.62	75	10851	4.154	ug/l #	46
38) Carbon Tetrachloride	7.62	117	15417	5.673	ug/l #	16
71) Bromoform	12.37	173	966	0.529	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	63957	23.429	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	63957	64.214	ug/l #	15
94) Hexachlorobutadiene	14.98	225	229	0.569	ug/l #	19
95) Naphthalene	15.11	128	2506	0.326	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.29	180	720	1.679	ug/l #	79

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

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 01 01:18:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064863.D

Acq: 30 Nov 2020 11:06

Instrument :

MSVOA_N

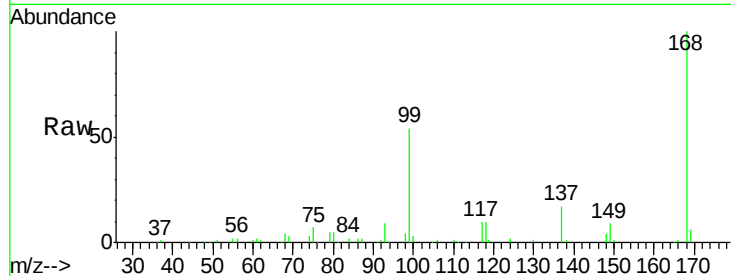
ClientSampleId :

Tot Ion:168 Resp: 163422

Ion Ratio Lower Upper

168 100

99 53.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064779.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN064779.D (-1812) (-)

7.62

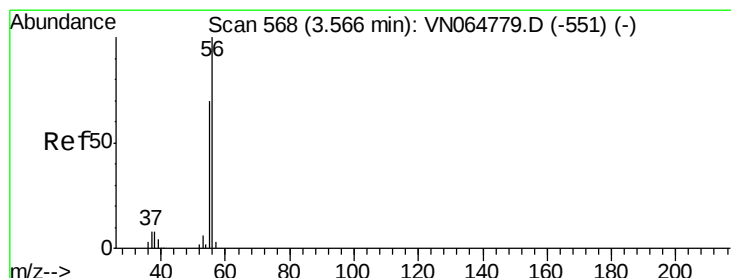
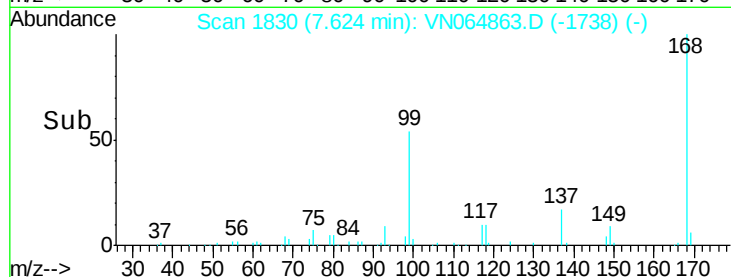
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 0.359 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064863.D

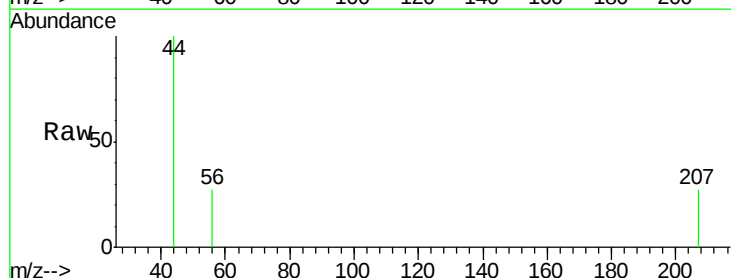
Acq: 30 Nov 2020 11:06

Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 0.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN064779.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN064779.D (-551) (-)

3.57

200

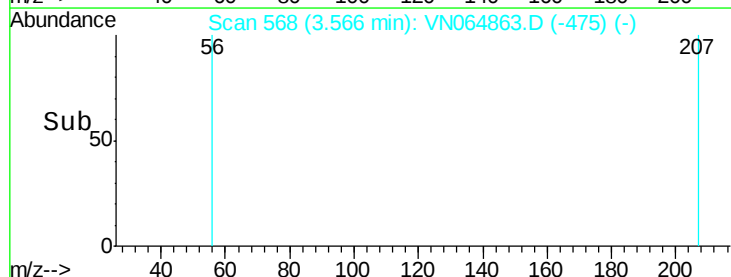
150

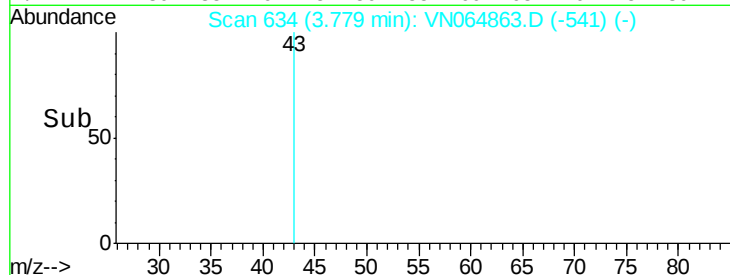
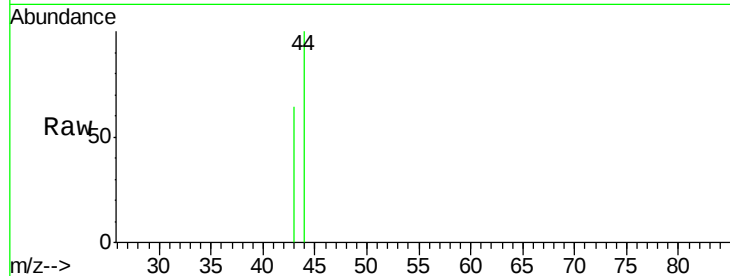
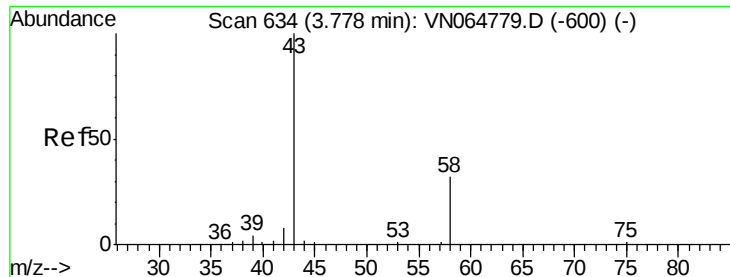
100

50

0

Time-->





#16

Acetone

Concen: 0.450 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064863.D

Acq: 30 Nov 2020 11:06

Instrument :

MSVOA_N

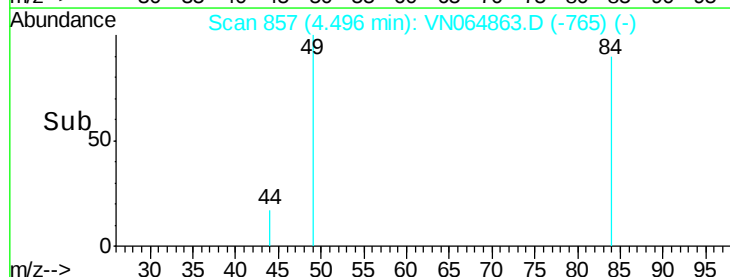
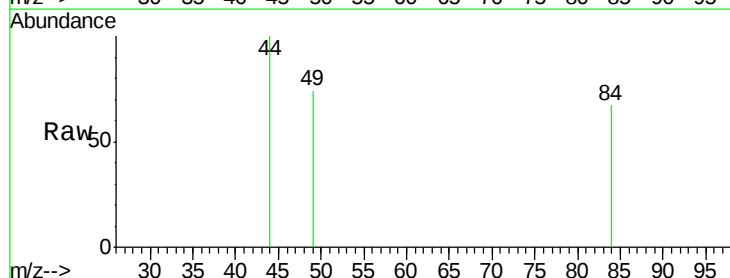
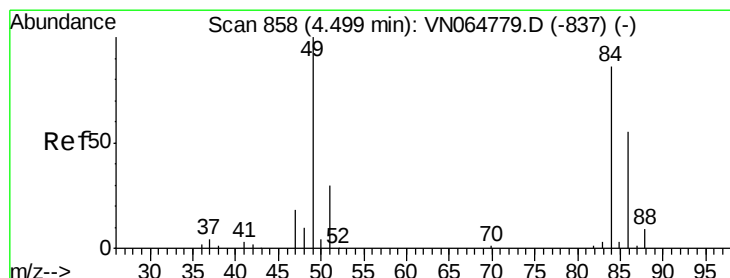
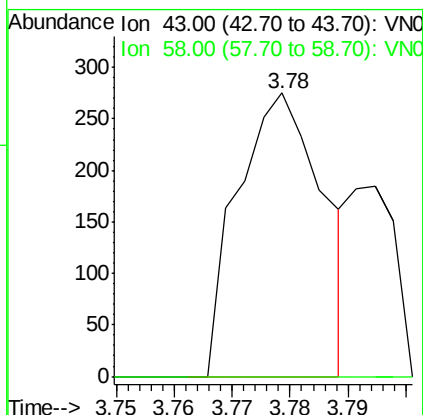
ClientSampleId :

Tot Ion: 43 Resp: 281

Ion Ratio Lower Upper

43 100

58 0.0 25.7 38.5#



#20

Methylene Chloride

Concen: 0.227 ug/l

RT: 4.50 min Scan# 857

Delta R.T. -0.00 min

Lab File: VN064863.D

Acq: 30 Nov 2020 11:06

Tgt Ion: 84 Resp: 445

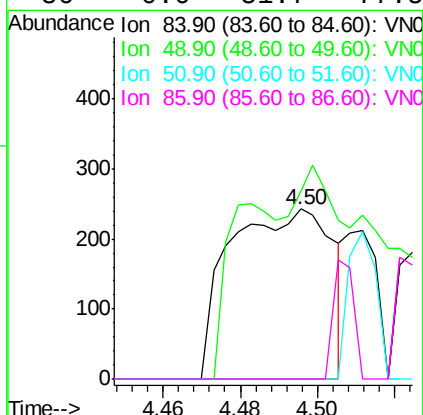
Ion Ratio Lower Upper

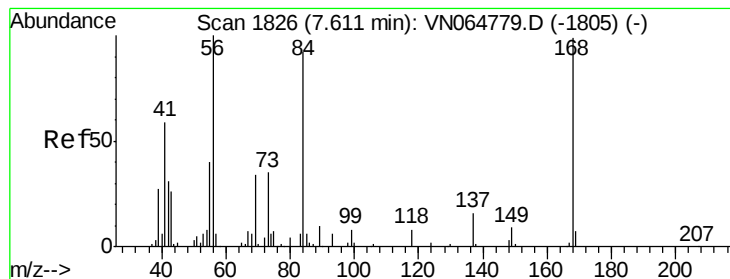
84 100

49 110.7 93.4 140.0

51 0.0 28.2 42.4#

86 0.0 51.7 77.5#





#31

Cyclohexane

Concen: 1.142 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

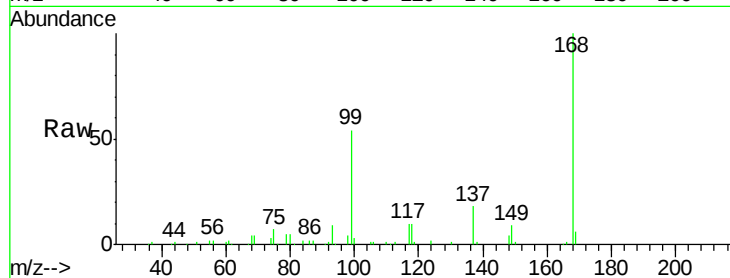
Lab File: VN064863.D

Acq: 30 Nov 2020 11:06

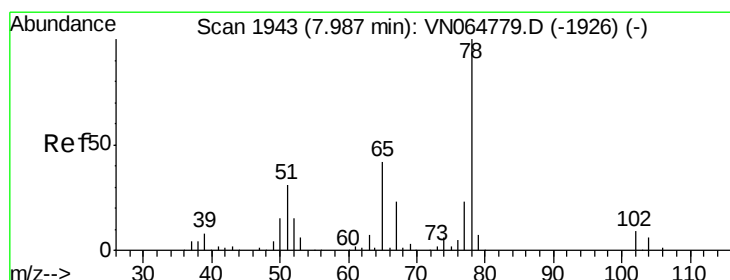
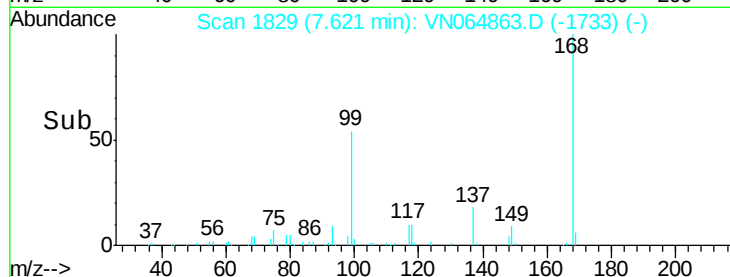
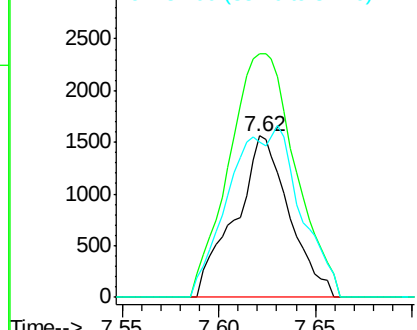
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3023

Ion	Ratio	Lower	Upper
56	100		
69	150.6	27.5	41.3#
84	96.5	73.9	110.9



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: 51.521 ug/l

RT: 7.99 min Scan# 1943

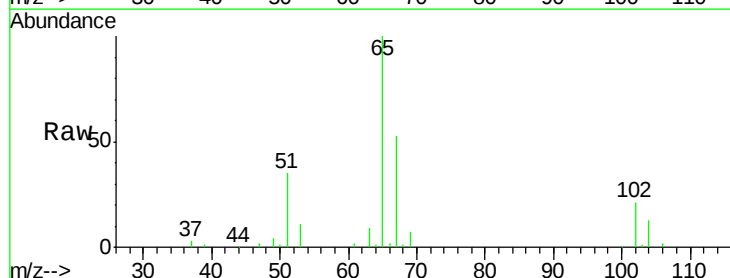
Delta R.T. 0.00 min

Lab File: VN064863.D

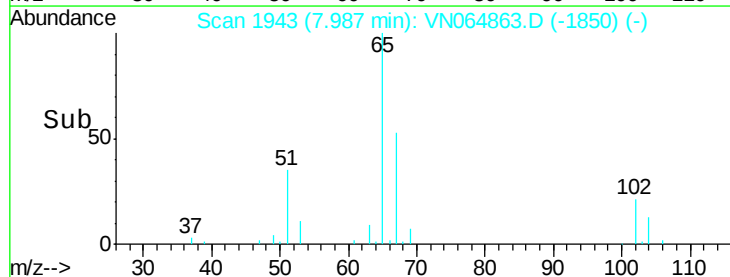
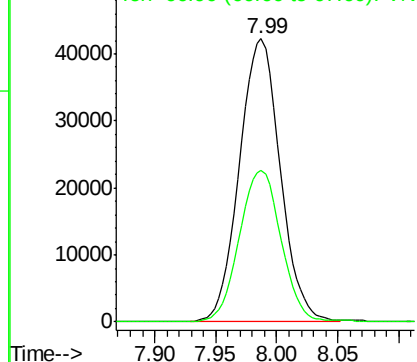
Acq: 30 Nov 2020 11:06

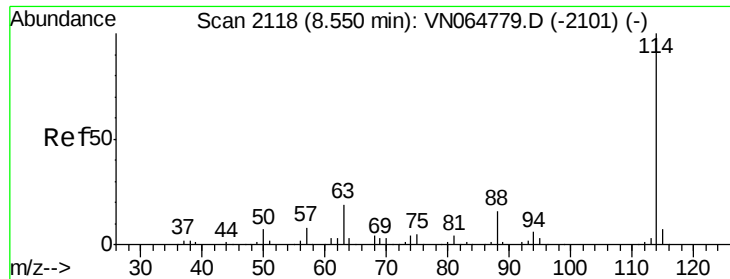
Tgt Ion: 65 Resp: 97884

Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	108.2



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

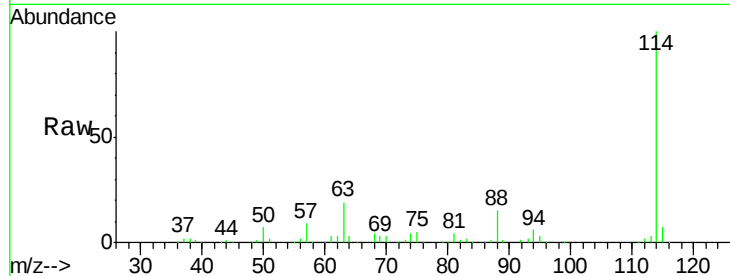




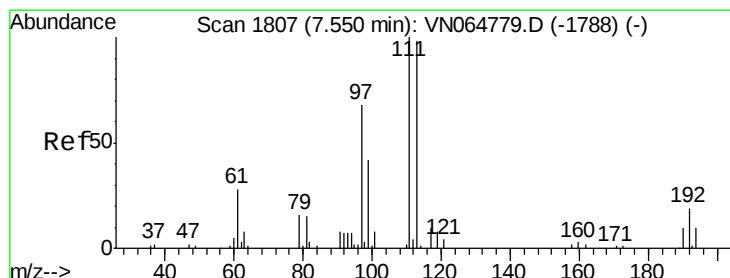
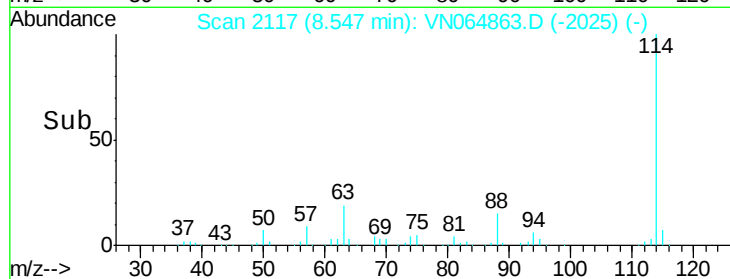
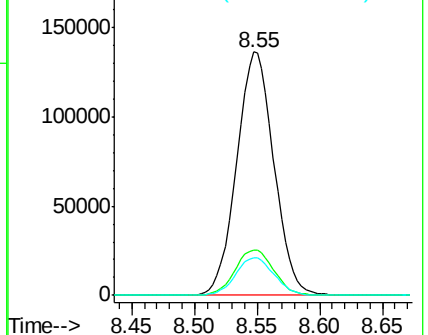
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VN064863.D
Acq: 30 Nov 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 281795
Ion Ratio Lower Upper
114 100
63 18.6 0.0 38.6
88 15.5 0.0 32.6

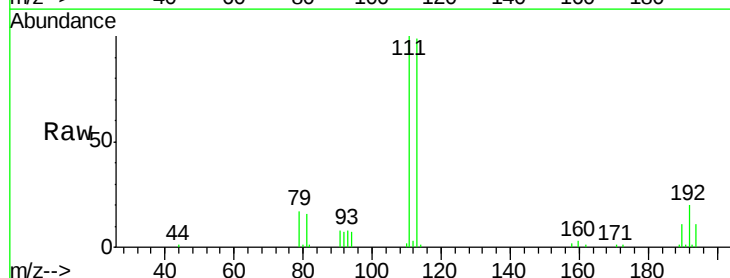


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

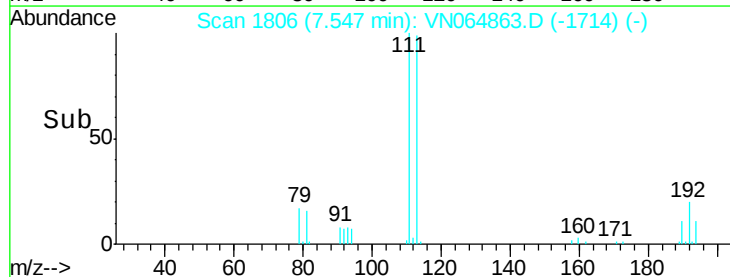
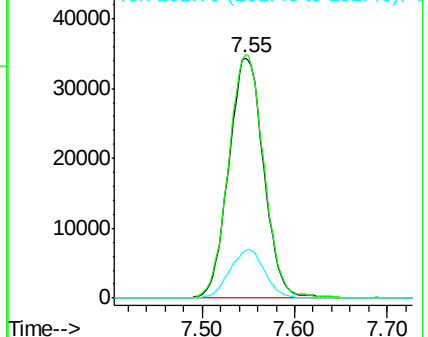


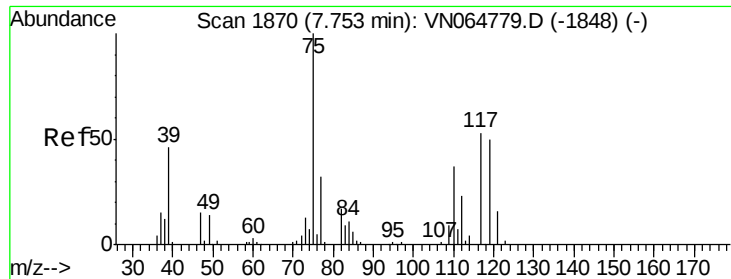
#35
Dibromofluoromethane
Concen: 53.263 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064863.D
Acq: 30 Nov 2020 11:06

Tgt Ion:113 Resp: 89810
Ion Ratio Lower Upper
113 100
111 102.1 81.6 122.4
192 20.2 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

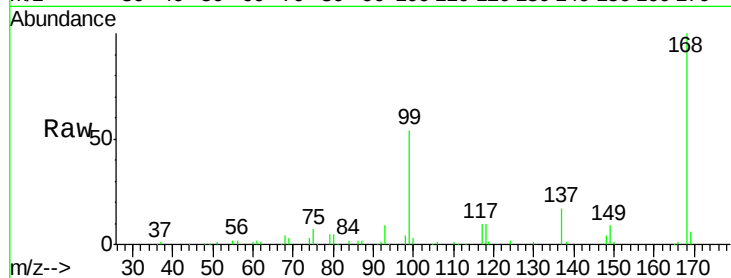




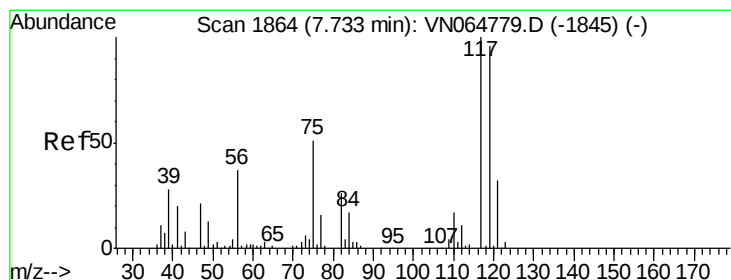
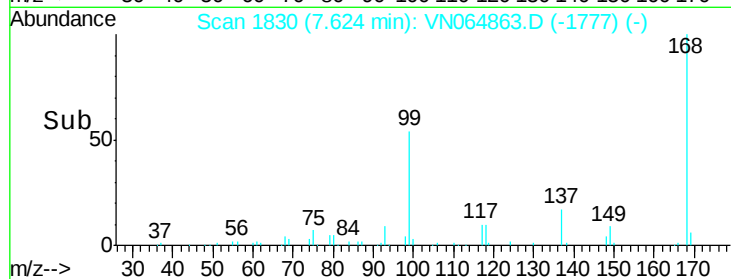
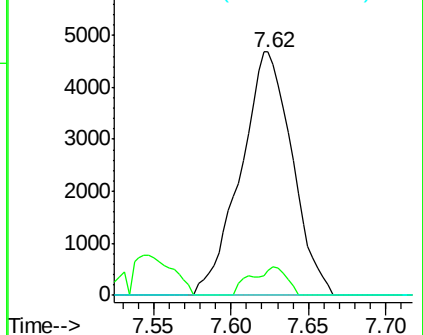
#36
 1,1-Dichloropropene
 Concen: 4.154 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064863.D
 Acq: 30 Nov 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	5.0	17.8	53.3#
77	0.0	25.0	37.4#

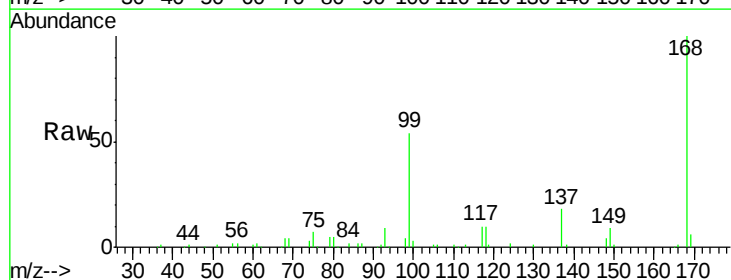


Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-1848) (-)
 Ion 109.90 (109.60 to 110.60): VN064779.D (-1848) (-)
 Ion 76.90 (76.60 to 77.60): VN064779.D (-1848) (-)

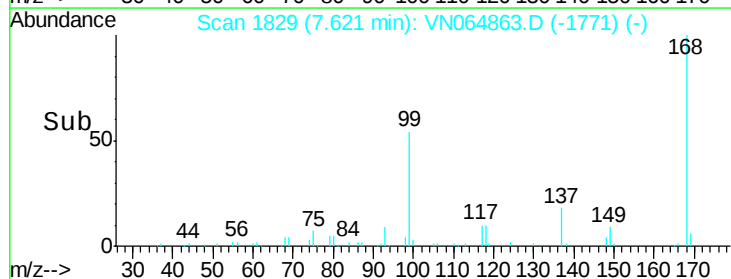
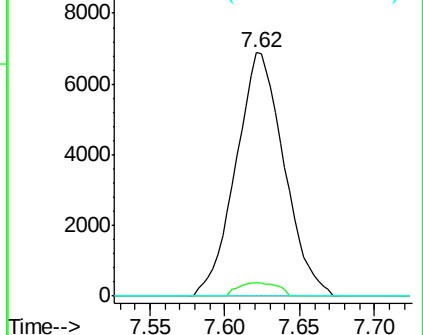


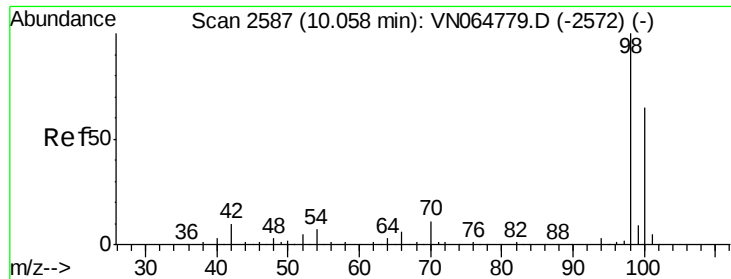
#38
 Carbon Tetrachloride
 Concen: 5.673 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.11 min
 Lab File: VN064863.D
 Acq: 30 Nov 2020 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.7	115.1#
121	0.0	25.4	38.2#



Abundance Ion 116.80 (116.50 to 117.50): VN064779.D (-1845) (-)
 Ion 118.80 (118.50 to 119.50): VN064779.D (-1845) (-)
 Ion 120.80 (120.50 to 121.50): VN064779.D (-1845) (-)





#50

Toluene-d8

Concen: 51.096 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064863.D

Acq: 30 Nov 2020 11:06

Instrument :

MSVOA_N

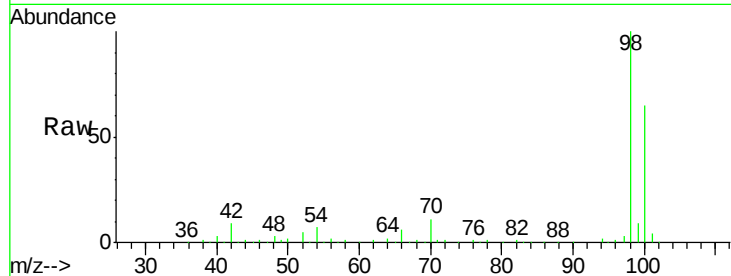
ClientSampleId :

Tot Ion: 98 Resp: 352030

Ion Ratio Lower Upper

98 100

100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

10.06

200000

150000

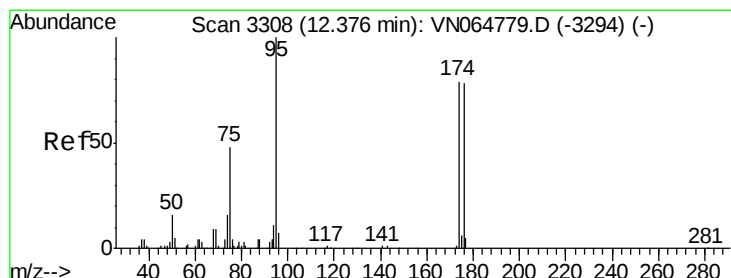
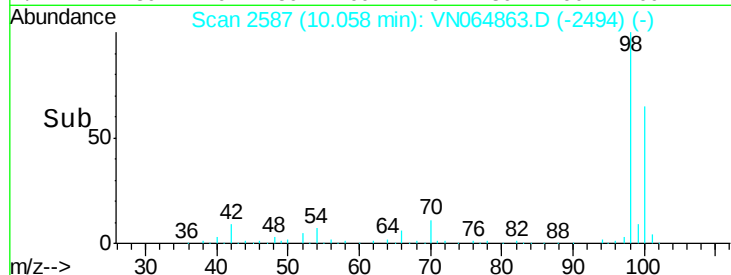
100000

50000

0

10.00 10.10 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 53.636 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064863.D

Acq: 30 Nov 2020 11:06

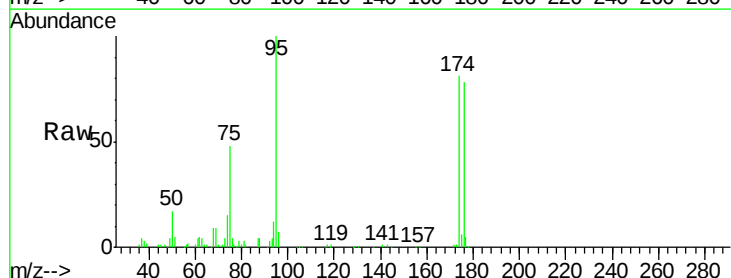
Tgt Ion: 95 Resp: 132246

Ion Ratio Lower Upper

95 100

174 82.8 0.0 160.4

176 78.9 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)

12.37

100000

80000

60000

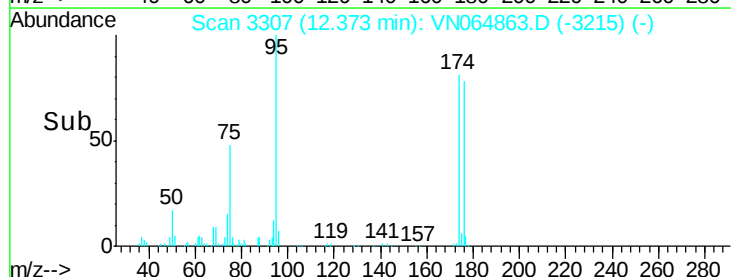
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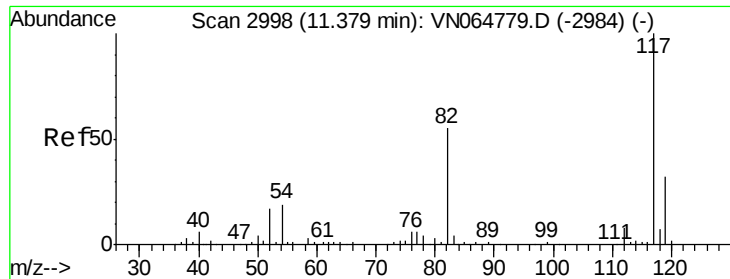
20000

0

12.30 12.40

Time-->

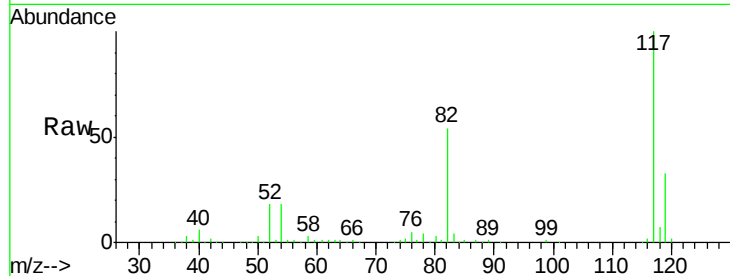




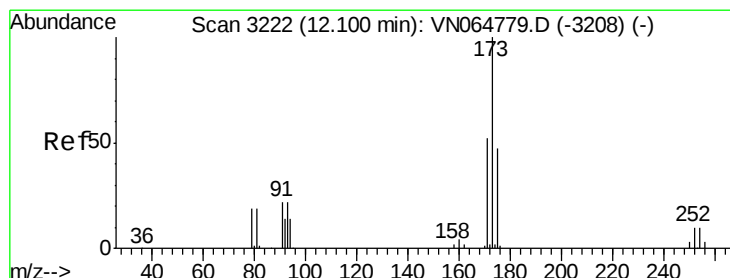
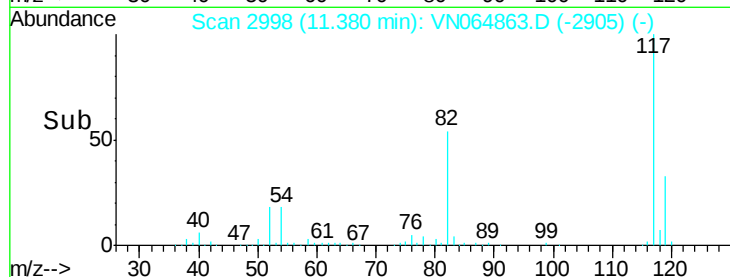
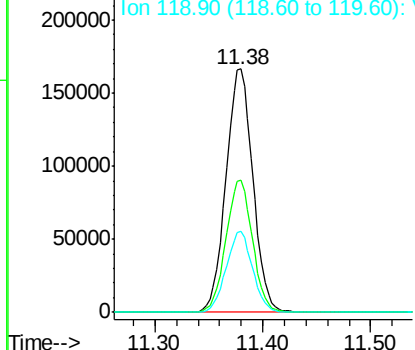
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064863.D
Acq: 30 Nov 2020 11:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 289806
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 33.2 25.8 38.6

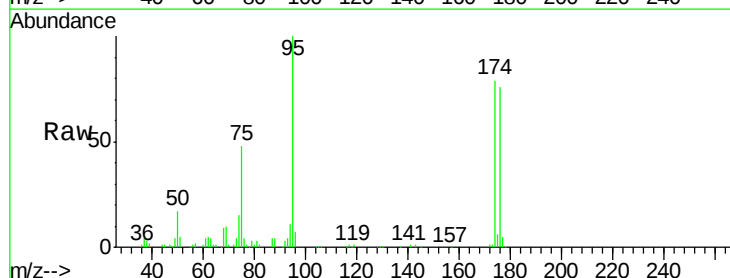


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

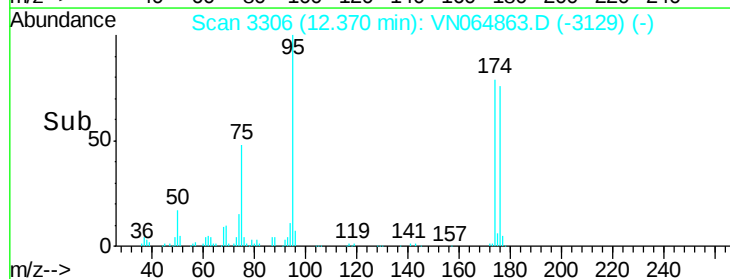
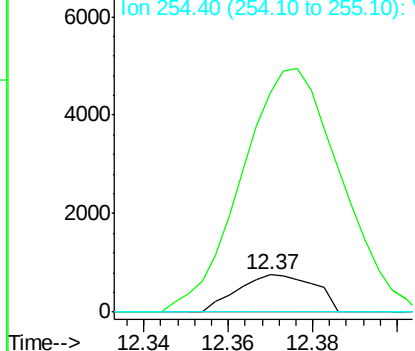


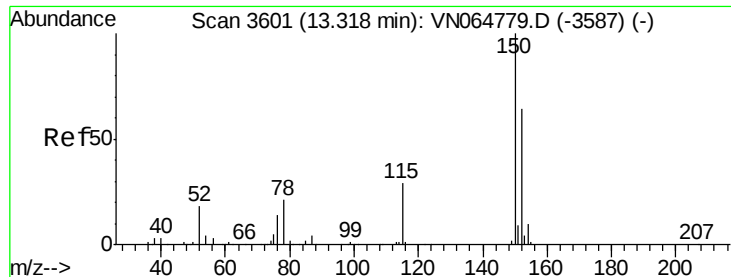
#71
Bromoform
Concen: 0.529 ug/l
RT: 12.37 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN064863.D
Acq: 30 Nov 2020 11:06

Tgt Ion:173 Resp: 966
Ion Ratio Lower Upper
173 100
175 728.1 24.3 72.8#
254 0.0 0.0 0.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064863.D

Acq: 30 Nov 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

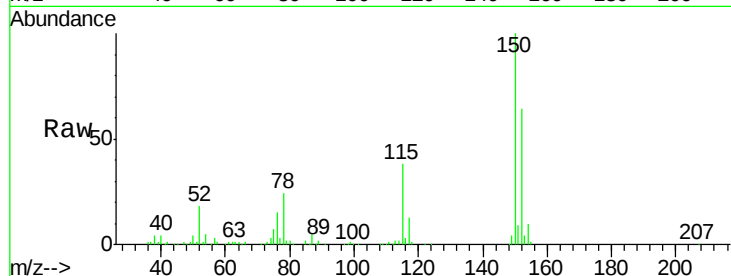
Tot Ion:152 Resp: 126756

Ion Ratio Lower Upper

152 100

115 59.1 29.7 89.1

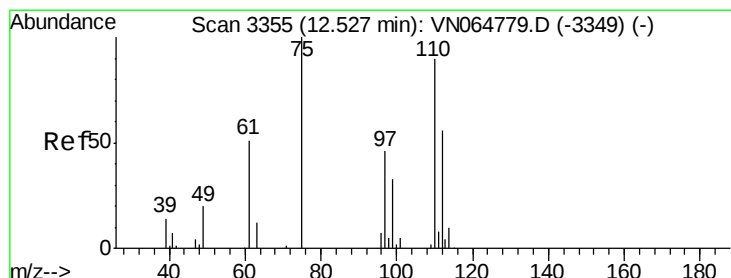
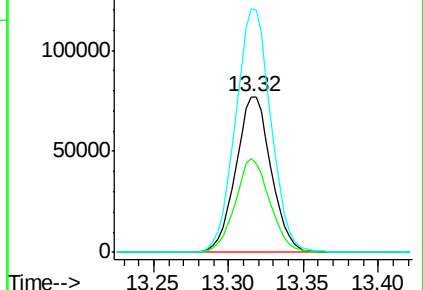
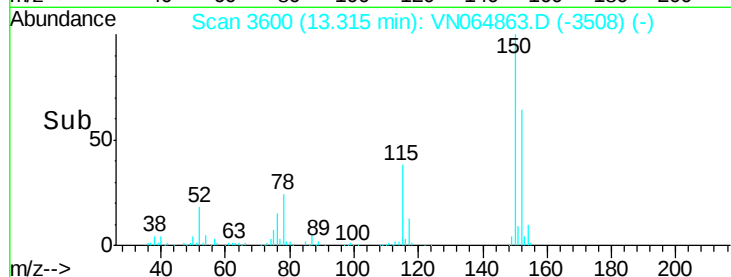
150 157.2 0.0 350.6



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: 23.429 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064863.D

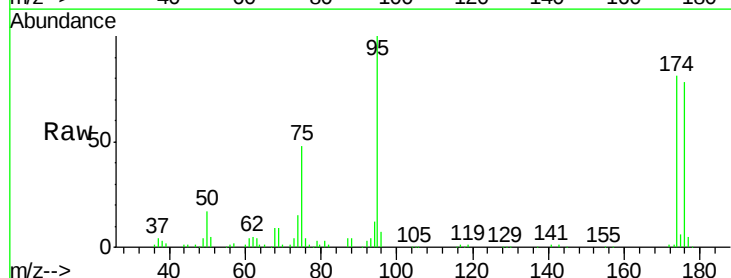
Acq: 30 Nov 2020 11:06

Tgt Ion: 75 Resp: 63957

Ion Ratio Lower Upper

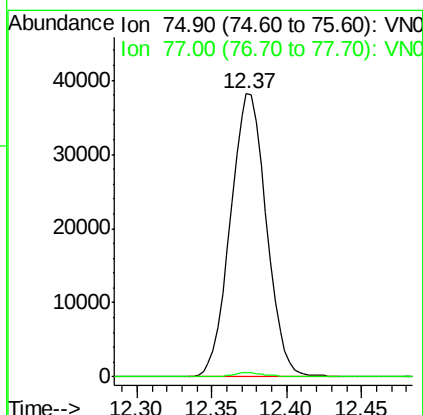
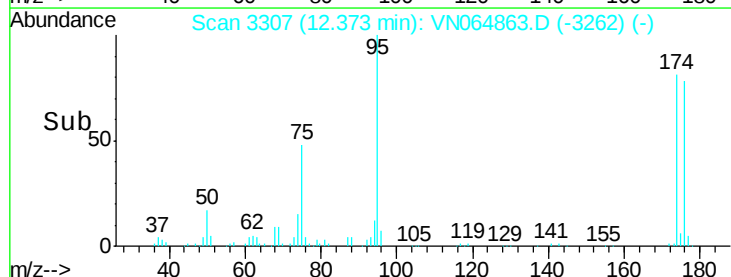
75 100

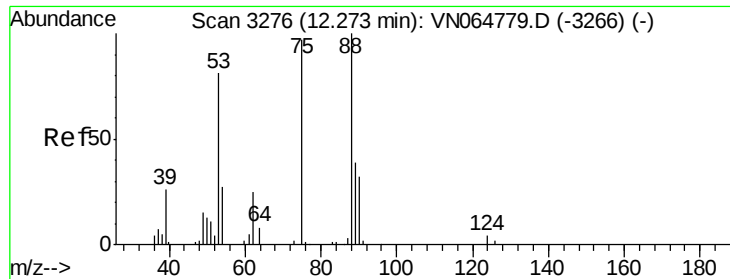
77 1.3 0.0 0.0#



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: 64.214 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064863.D

Acq: 30 Nov 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

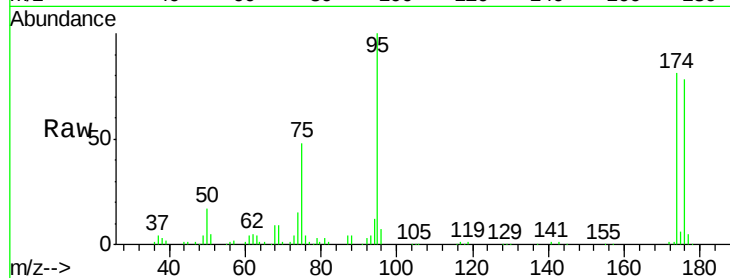
Tot Ion: 75 Resp: 63957

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

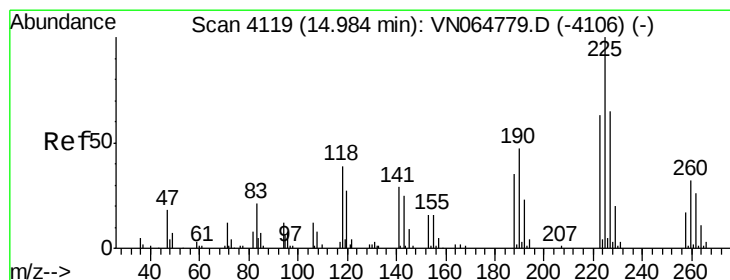
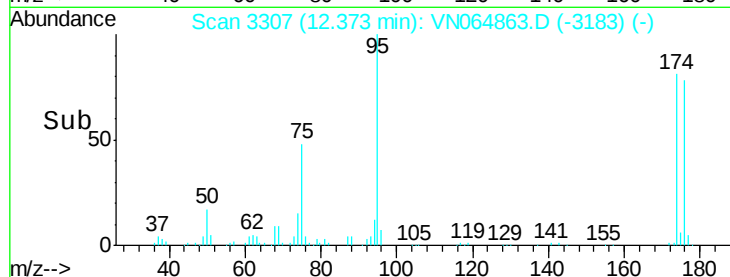
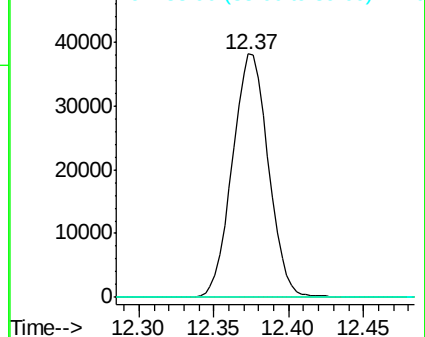
89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064863.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064863.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064863.D (-3183) (-)



#94

Hexachlorobutadiene

Concen: 0.569 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN064863.D

Acq: 30 Nov 2020 11:06

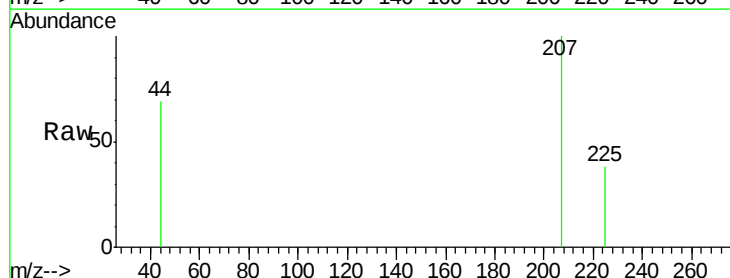
Tgt Ion: 225 Resp: 229

Ion Ratio Lower Upper

225 100

223 0.0 31.0 93.0#

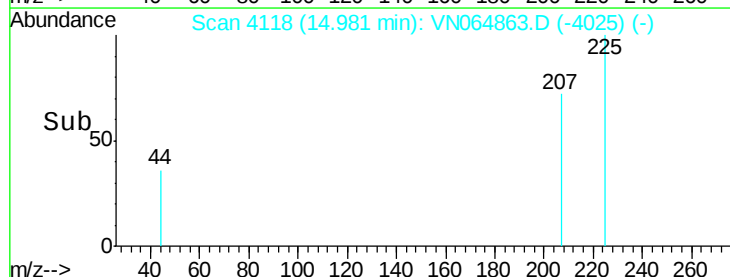
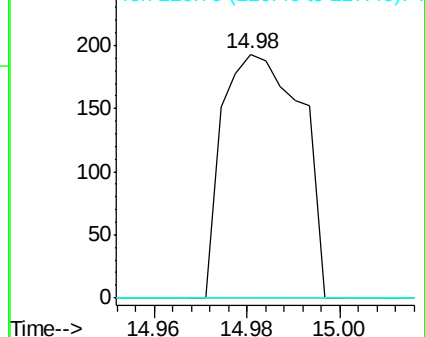
227 0.0 32.0 96.0#

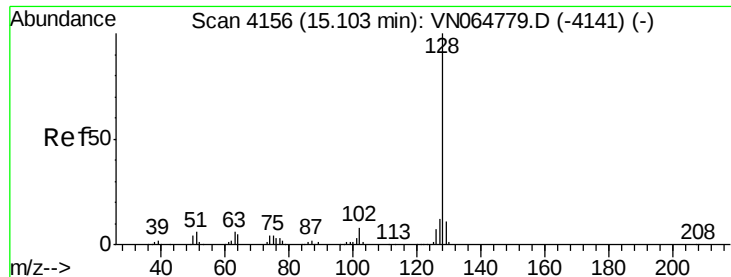


Abundance Ion 224.70 (224.40 to 225.40): VN064863.D (-4025) (-)

Ion 222.70 (222.40 to 223.40): VN064863.D (-4025) (-)

Ion 226.70 (226.40 to 227.40): VN064863.D (-4025) (-)





#95

Naphthalene

Concen: 0.326 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064863.D

Acq: 30 Nov 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

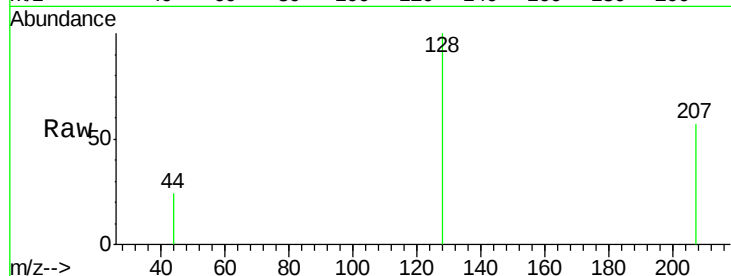
Tot Ion:128 Resp: 2506

Ion Ratio Lower Upper

128 100

127 2.6 10.3 15.5#

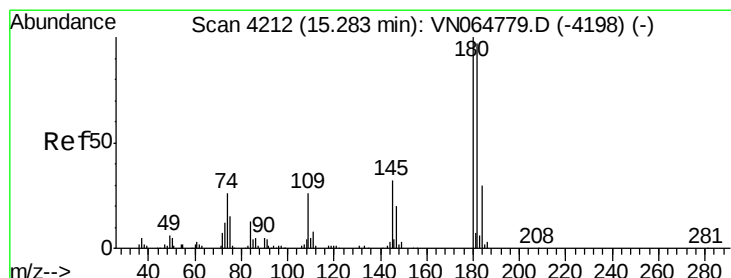
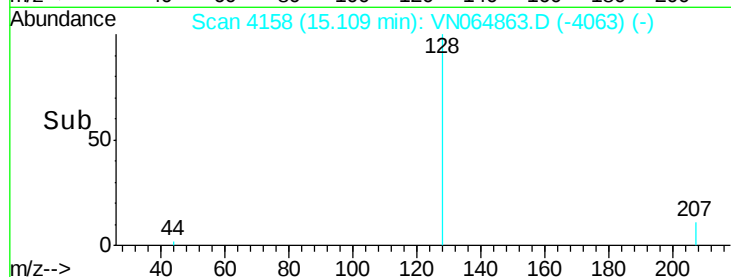
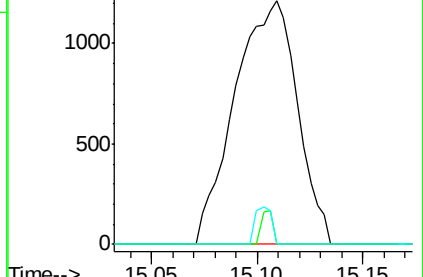
129 4.0 8.7 13.1#



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: 1.679 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN064863.D

Acq: 30 Nov 2020 11:06

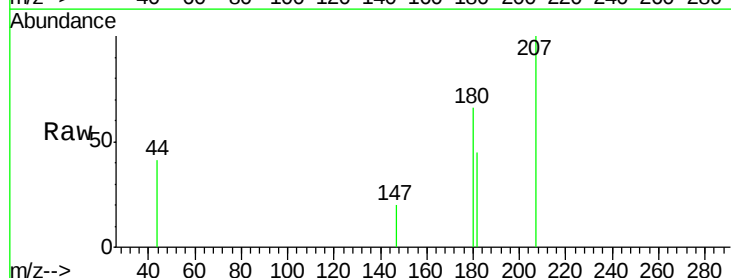
Tgt Ion:180 Resp: 720

Ion Ratio Lower Upper

180 100

182 88.6 48.1 144.4

145 0.0 16.4 49.1#



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

