

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063914.D
 Acq On : 7 Oct 2020 00:41
 Operator : JC/MD
 Sample : PB132064TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132064TB

Quant Time: Oct 07 05:40:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	223718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	396472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	403940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	165600	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	188022	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
35) Dibromofluoromethane	7.55	113	135277	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	10.06	98	505958	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.38	95	196378	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	

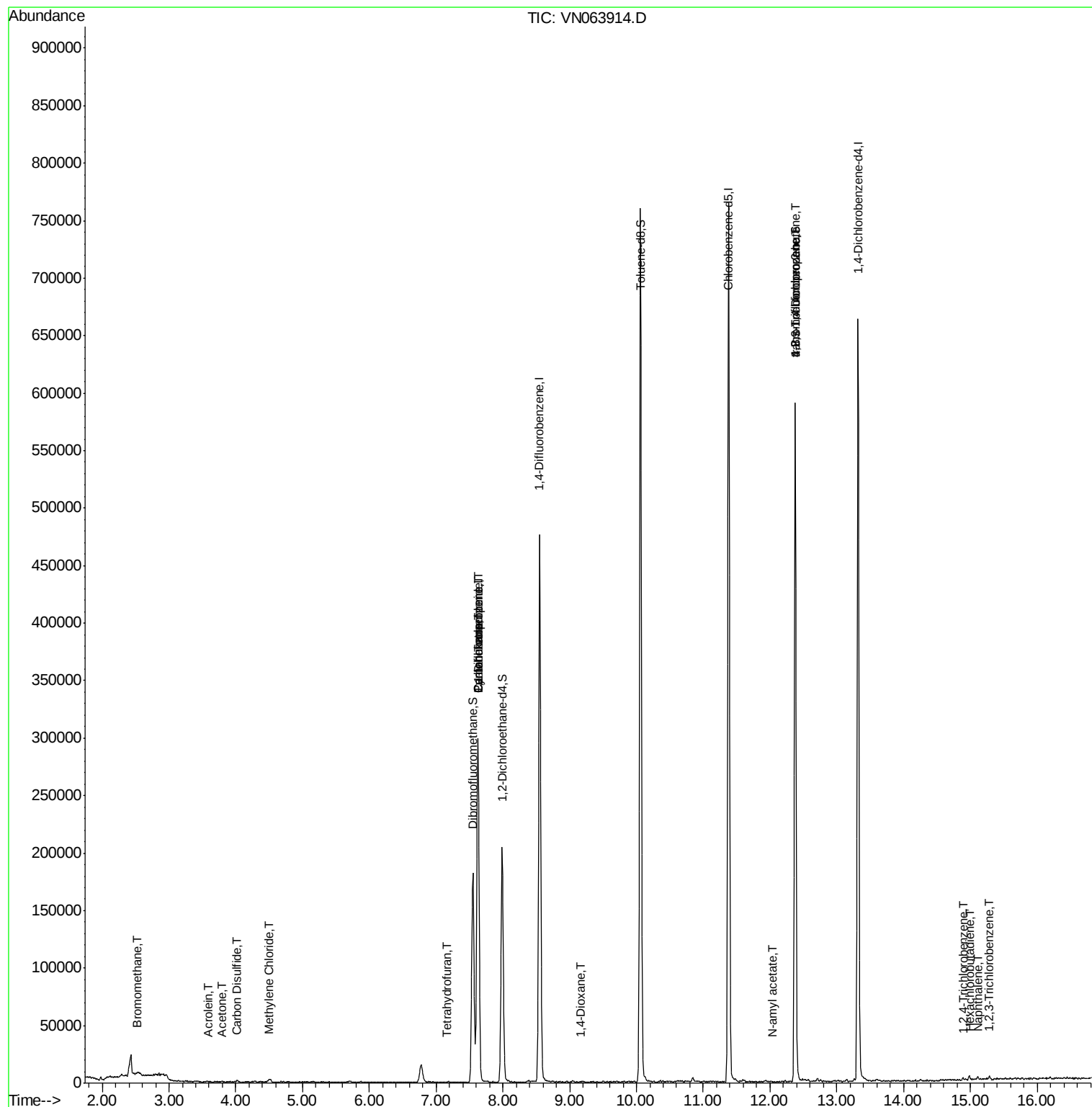
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	506	0.289	ug/l #	37
13) Acrolein	3.59	56	124	0.495	ug/l	84
16) Acetone	3.78	43	253	0.222	ug/l #	47
17) Carbon Disulfide	4.01	76	2412	1.091	ug/l #	76
20) Methylene Chloride	4.51	84	2007	0.867	ug/l #	85
29) Tetrahydrofuran	7.16	42	269	0.249	ug/l #	36
31) Cyclohexane	7.63	56	6550	1.527	ug/l #	24
36) 1,1-Dichloropropene	7.63	75	20068	4.996	ug/l #	51
38) Carbon Tetrachloride	7.63	117	24737	5.492	ug/l #	14
49) 1,4-Dioxane	9.17	88	30	0.649	ug/l #	1
74) N-amyl acetate	12.05	43	199	2.250	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	110120	30.166	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	110120	86.883	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.89	180	675	1.962	ug/l #	39
94) Hexachlorobutadiene	14.98	225	712	0.561	ug/l	82
95) Naphthalene	15.11	128	2711	2.216	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.29	180	942	1.894	ug/l	67

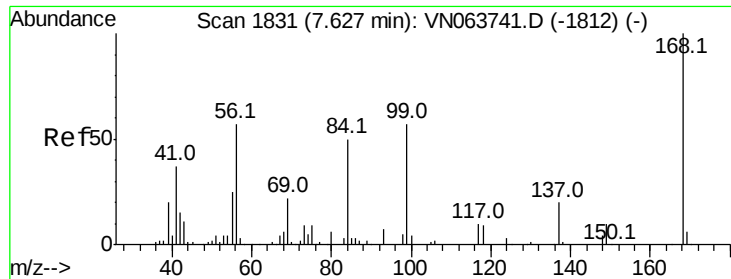
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063914.D

Acq: 7 Oct 2020 00:41

Instrument :

MSVOA_N

ClientSampleId :

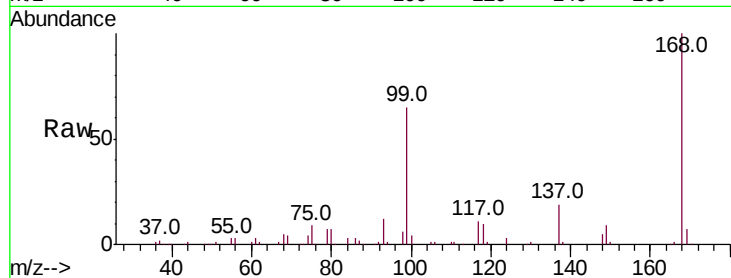
PB132064TB

Tot Ion:168 Resp: 223718

Ion Ratio Lower Upper

168 100

99 65.4 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

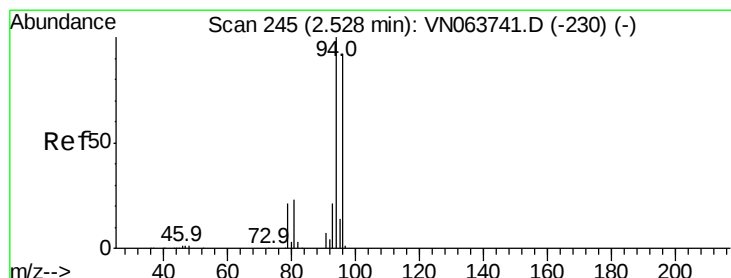
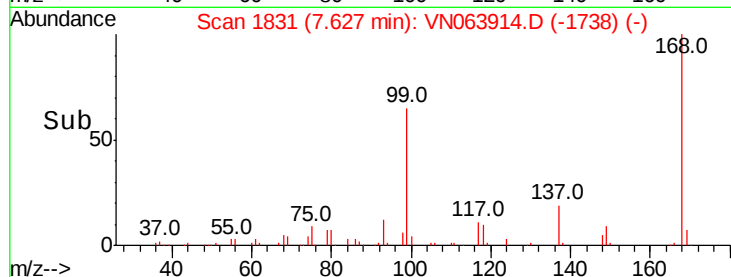
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.289 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063914.D

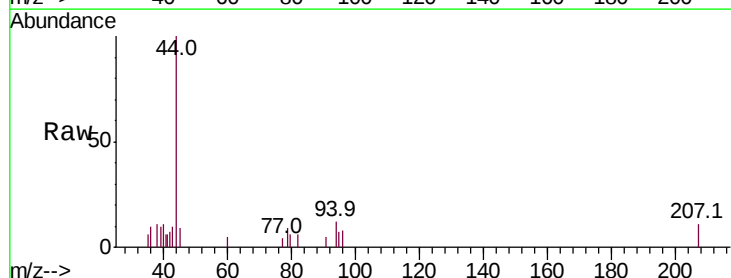
Acq: 7 Oct 2020 00:41

Tgt Ion: 94 Resp: 506

Ion Ratio Lower Upper

94 100

96 31.5 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

400

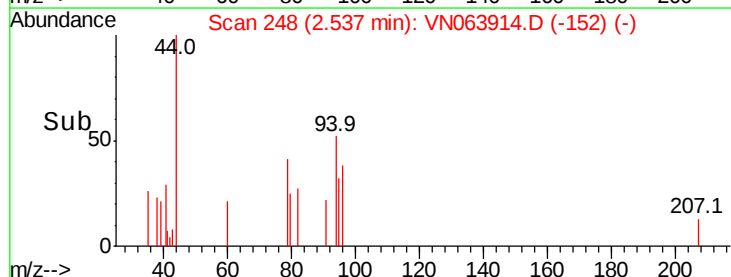
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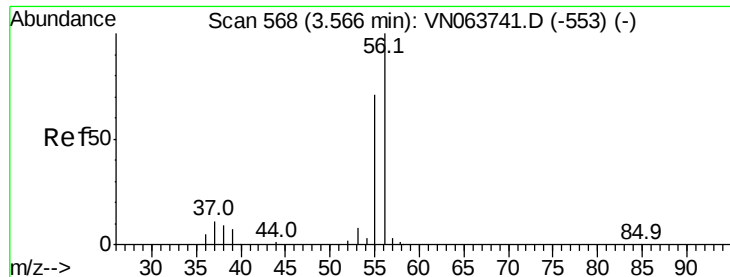
200

100

0

Time-->





#13

Acrolein

Concen: 0.495 ug/l

RT: 3.59 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN063914.D

Acq: 7 Oct 2020 00:41

Instrument :

MSVOA_N

ClientSampleId :

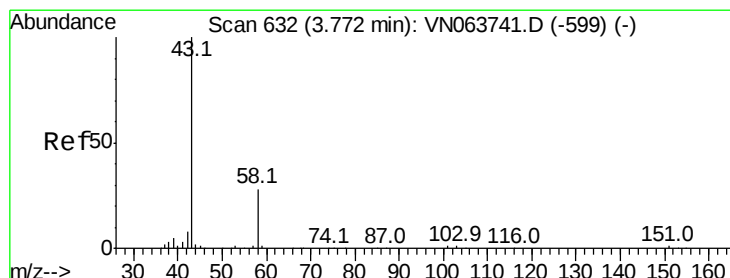
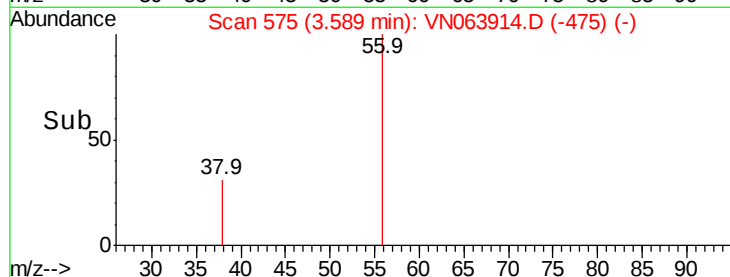
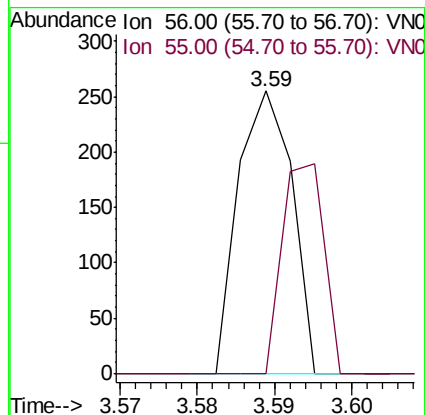
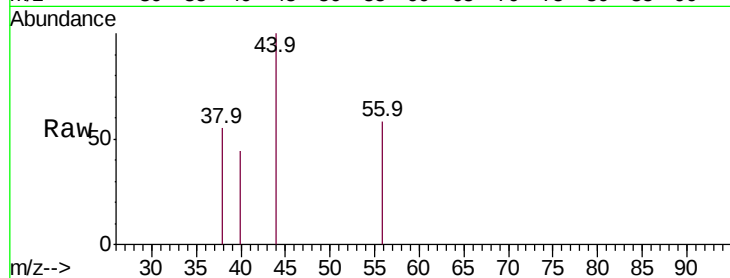
PB132064TB

Tot Ion: 56 Resp: 124

Ion Ratio Lower Upper

56 100

55 58.1 56.9 85.3



#16

Acetone

Concen: 0.222 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063914.D

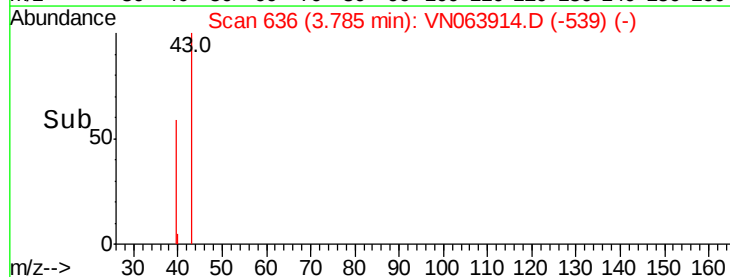
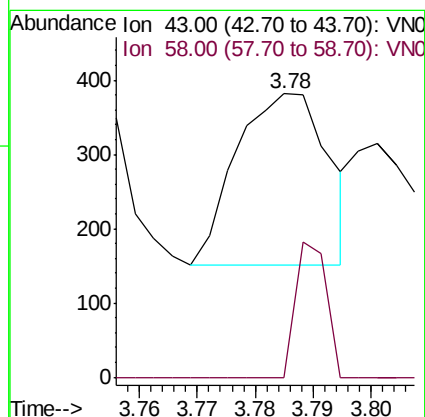
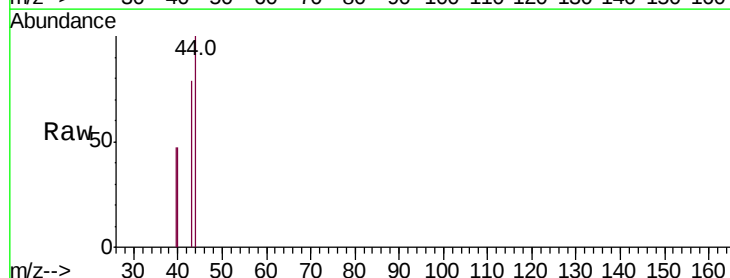
Acq: 7 Oct 2020 00:41

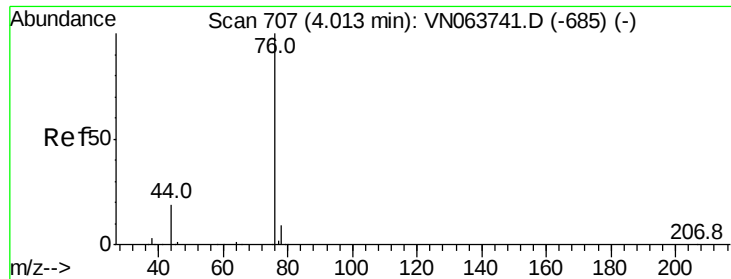
Tgt Ion: 43 Resp: 253

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#

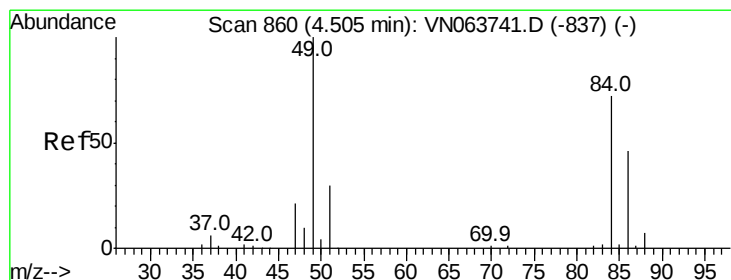
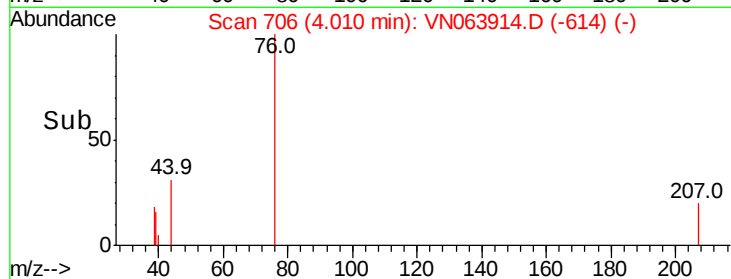
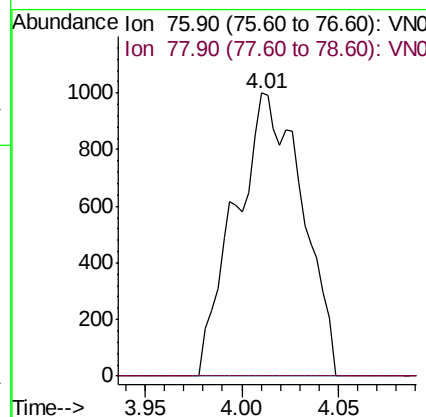
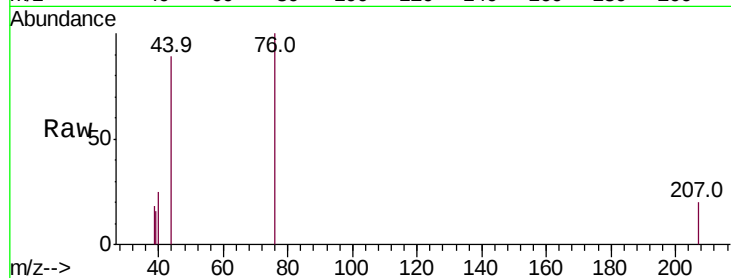




#17
Carbon Disulfide
Concen: 1.091 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063914.D
Acq: 7 Oct 2020 00:41

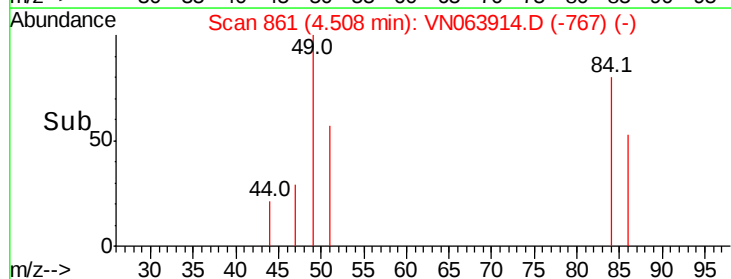
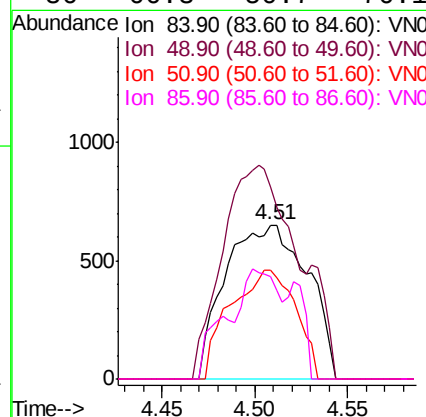
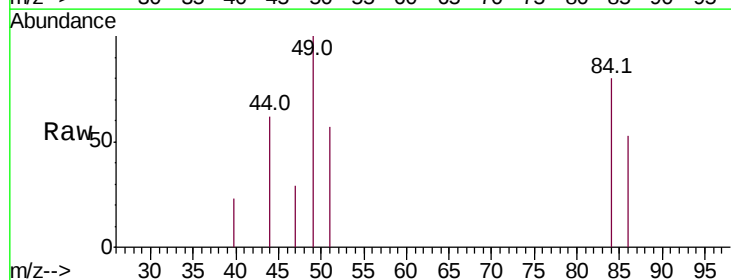
Instrument :
MSVOA_N
ClientSampleId :
PB132064TB

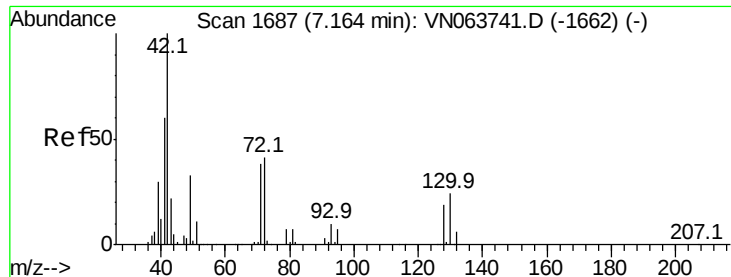
Tot Ion: 76 Resp: 2412
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#20
Methylene Chloride
Concen: 0.867 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN063914.D
Acq: 7 Oct 2020 00:41

Tgt Ion: 84 Resp: 2007
Ion Ratio Lower Upper
84 100
49 124.9 110.4 165.6
51 70.9 33.3 49.9#
86 66.3 50.7 76.1





#29

Tetrahydrofuran

Concen: 0.249 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN063914.D

Acq: 7 Oct 2020 00:41

Instrument :

MSVOA_N

ClientSampleId :

PB132064TB

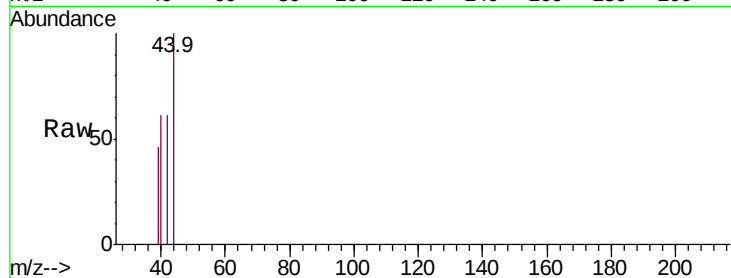
Tot Ion: 42 Resp: 269

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

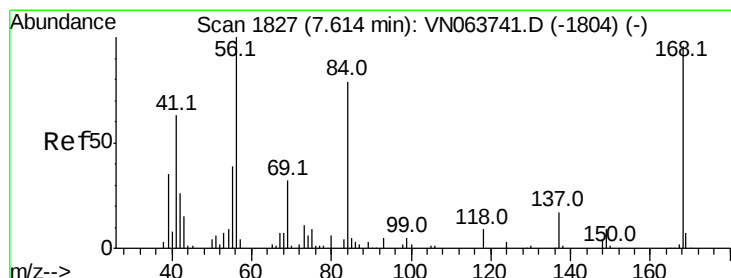
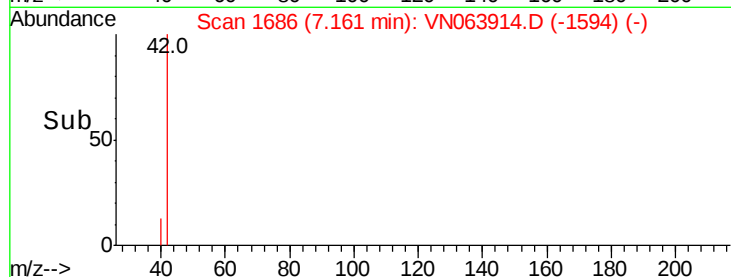
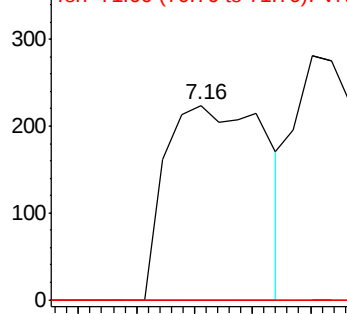
71 0.0 30.6 45.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.527 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063914.D

Acq: 7 Oct 2020 00:41

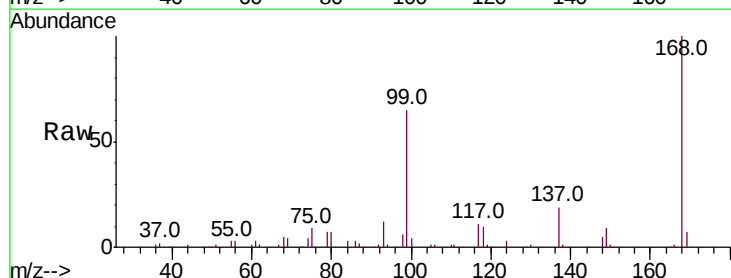
Tgt Ion: 56 Resp: 6550

Ion Ratio Lower Upper

56 100

69 140.0 25.4 38.2#

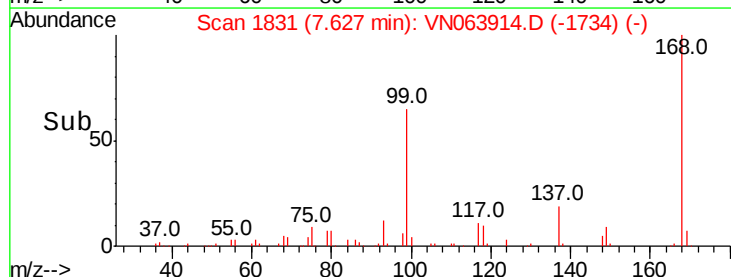
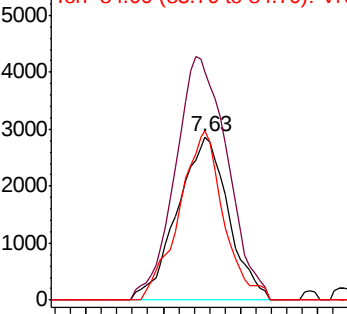
84 103.9 63.3 94.9#

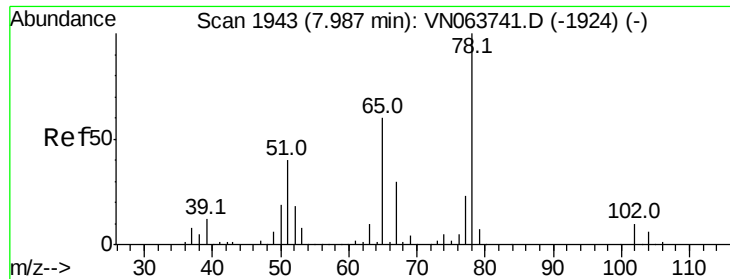


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

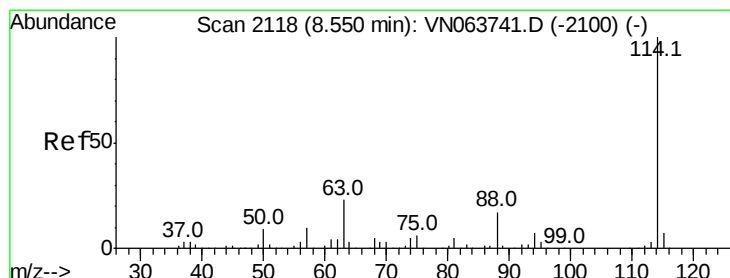
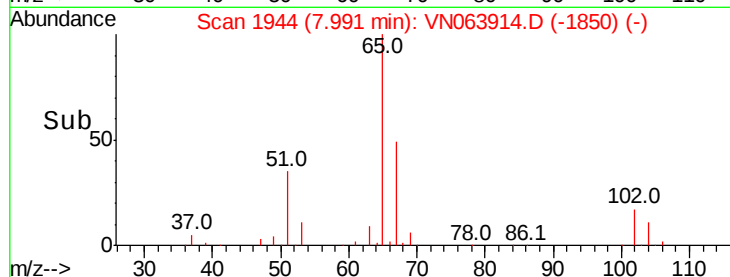
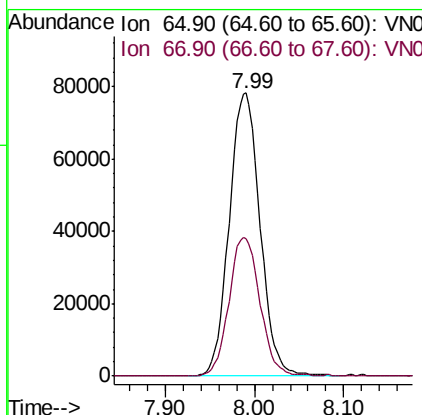
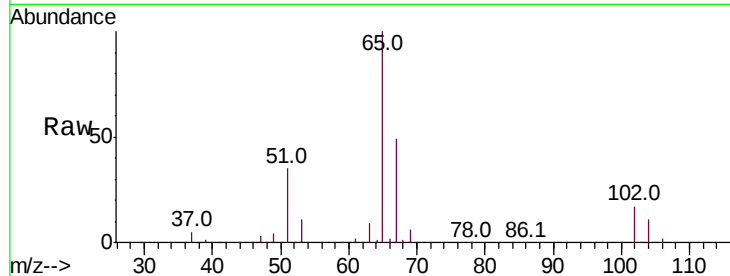




#33
 1,2-Dichloroethane-d4
 Concen: 50.872 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063914.D
 Acq: 7 Oct 2020 00:41

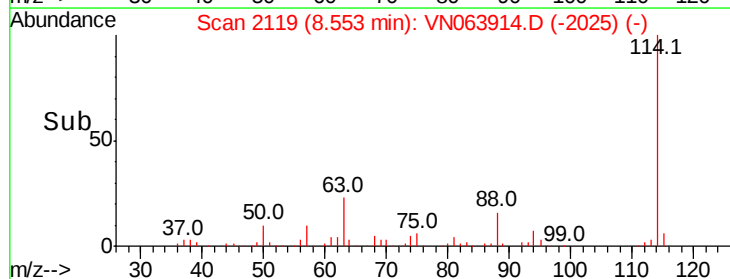
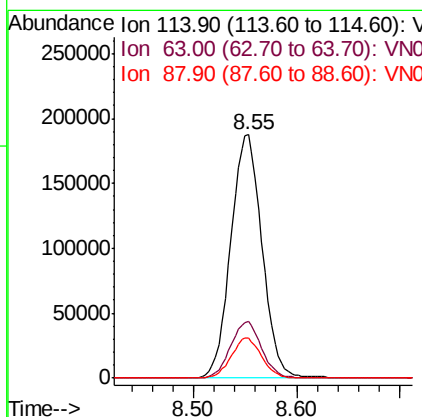
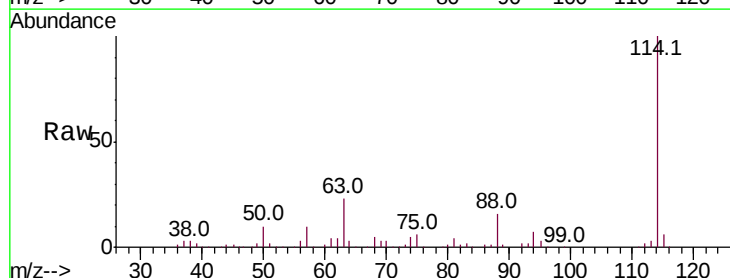
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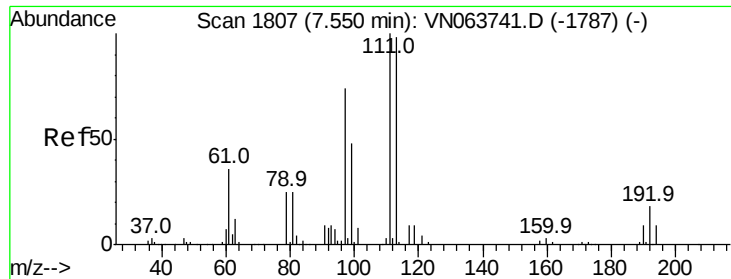
Tot Ion: 65 Resp: 188022
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063914.D
 Acq: 7 Oct 2020 00:41

Tgt Ion: 114 Resp: 396472
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.0
 88 16.4 0.0 34.0

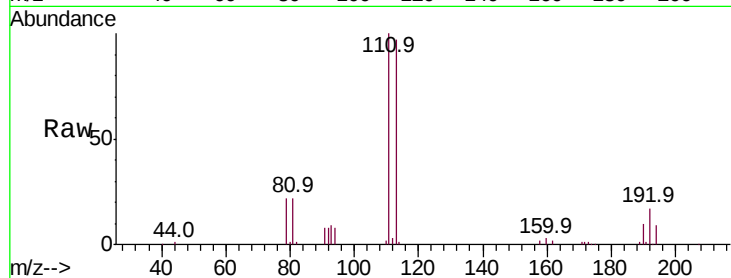




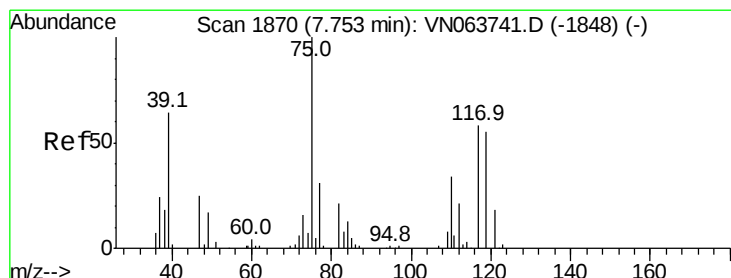
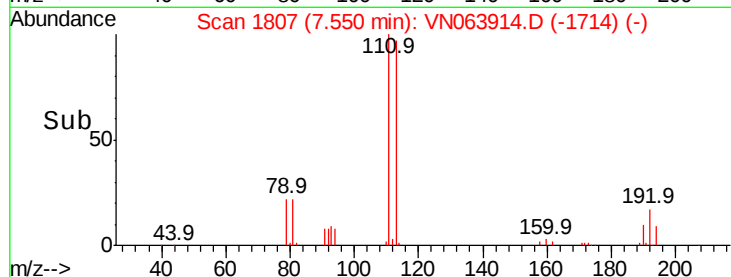
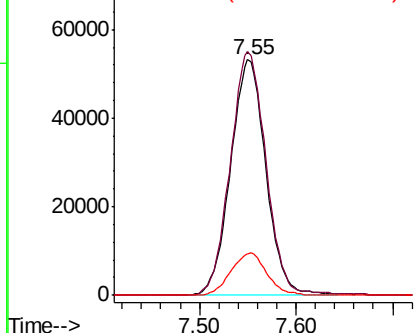
#35
Dibromofluoromethane
Concen: 49.173 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063914.D
Acq: 7 Oct 2020 00:41

Instrument :
MSVOA_N
ClientSampleId :
PB132064TB

Tot Ion:113 Resp: 135277
Ion Ratio Lower Upper
113 100
111 103.9 81.8 122.8
192 18.1 14.2 21.2

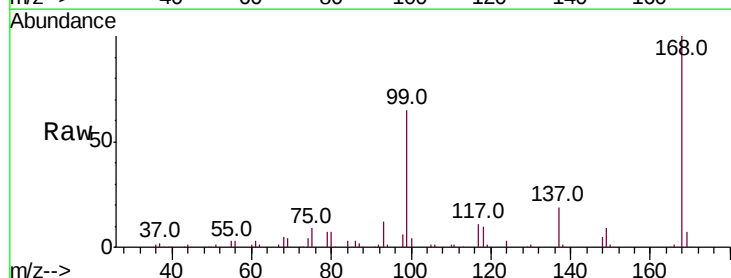


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

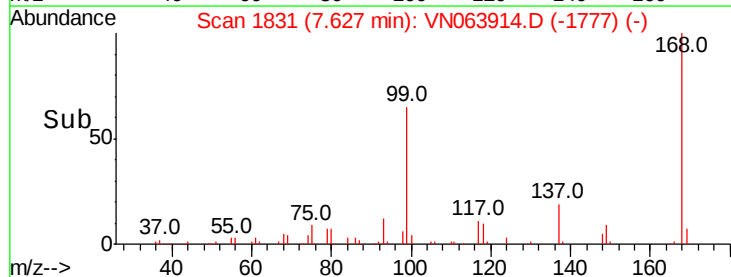
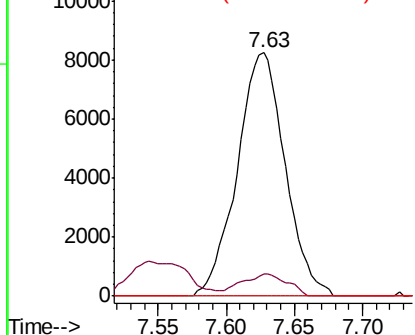


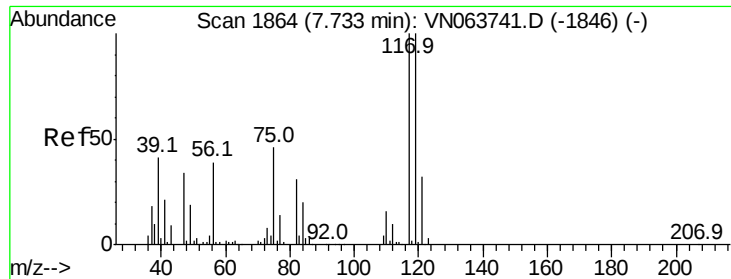
#36
1,1-Dichloropropene
Concen: 4.996 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN063914.D
Acq: 7 Oct 2020 00:41

Tgt Ion: 75 Resp: 20068
Ion Ratio Lower Upper
75 100
110 8.8 16.9 50.6#
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 5.492 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063914.D

Acq: 7 Oct 2020 00:41

Instrument :

MSVOA_N

ClientSampled :

PB132064TB

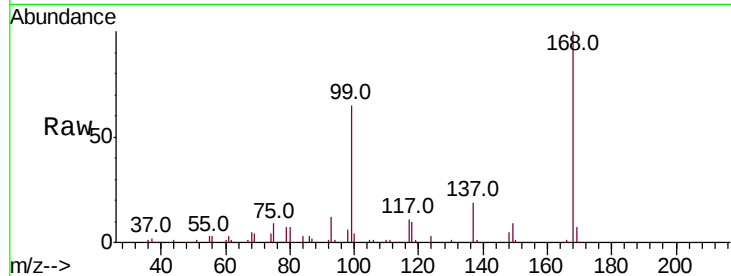
Tot Ion:117 Resp: 24737

Ion Ratio Lower Upper

117 100

119 5.5 80.1 120.1#

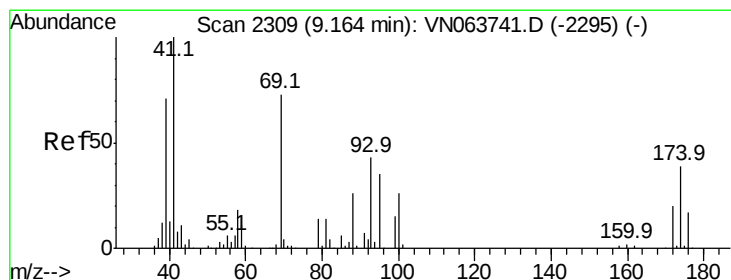
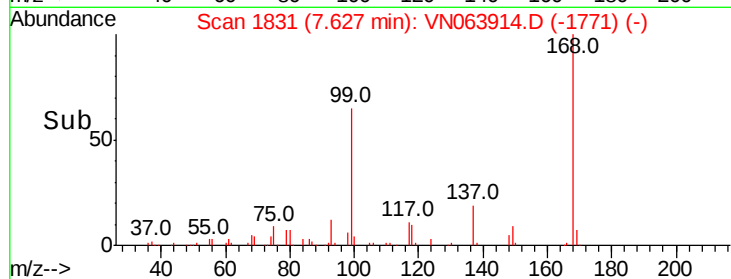
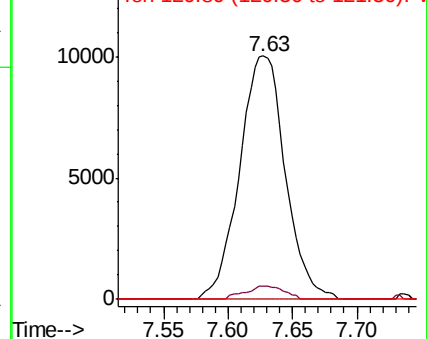
121 0.0 25.7 38.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.649 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. 0.01 min

Lab File: VN063914.D

Acq: 7 Oct 2020 00:41

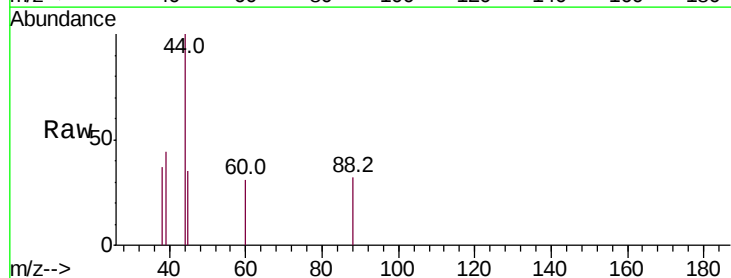
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 686.7 33.1 49.7#

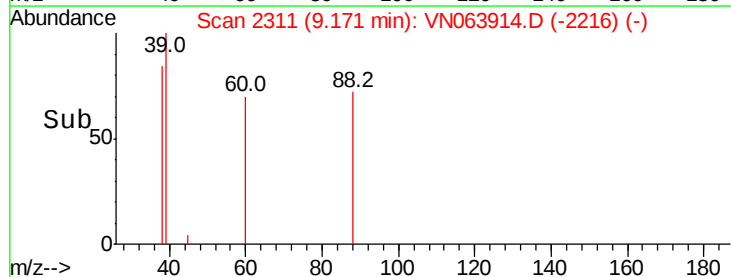
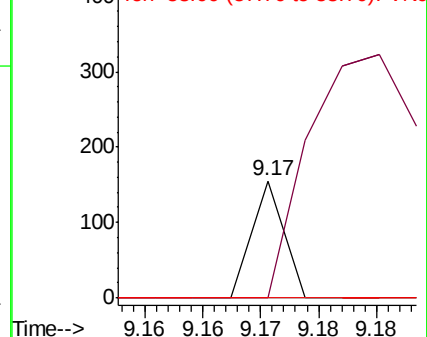
58 0.0 58.9 88.3#

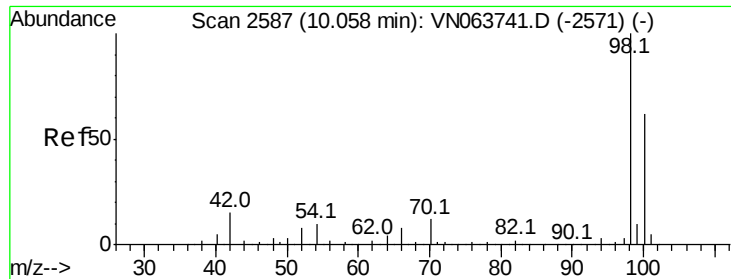


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 48.515 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063914.D

Acq: 7 Oct 2020 00:41

Instrument :

MSVOA_N

ClientSampleId :

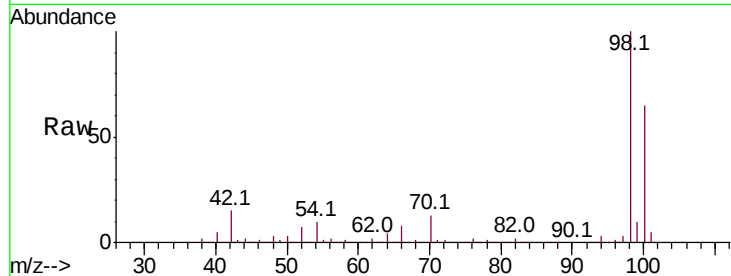
PB132064TB

Tot Ion: 98 Resp: 505958

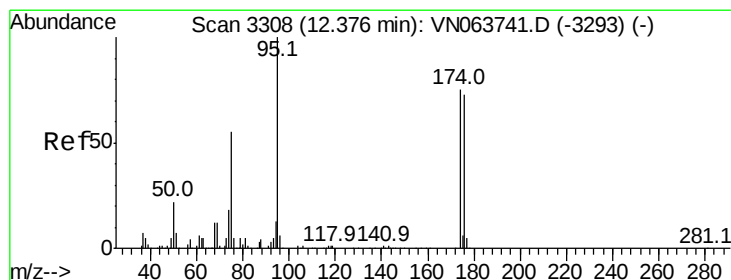
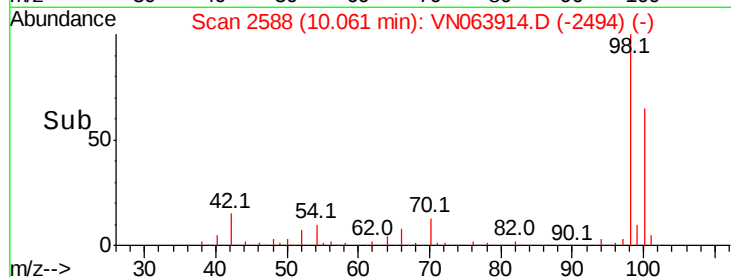
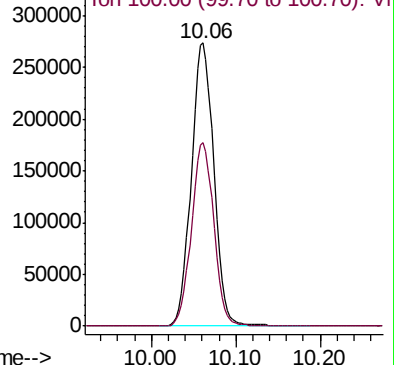
Ion Ratio Lower Upper

98 100

100 64.4 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)



#62

4-Bromofluorobenzene

Concen: 50.093 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063914.D

Acq: 7 Oct 2020 00:41

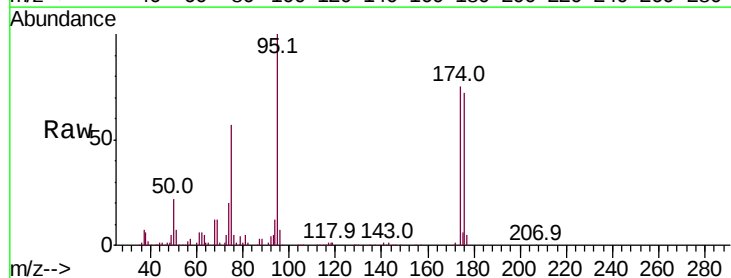
Tgt Ion: 95 Resp: 196378

Ion Ratio Lower Upper

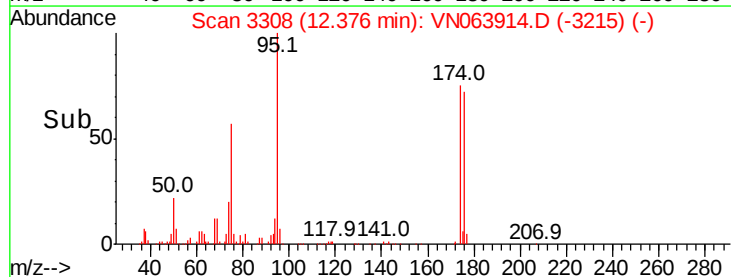
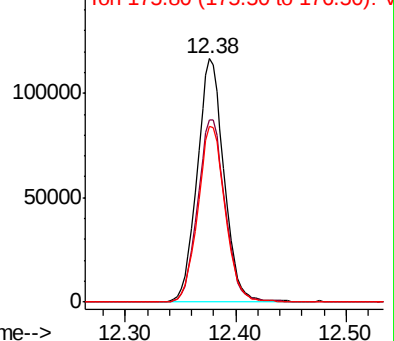
95 100

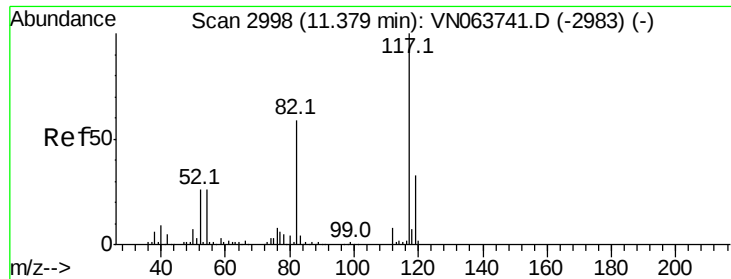
174 76.9 0.0 150.6

176 73.5 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)

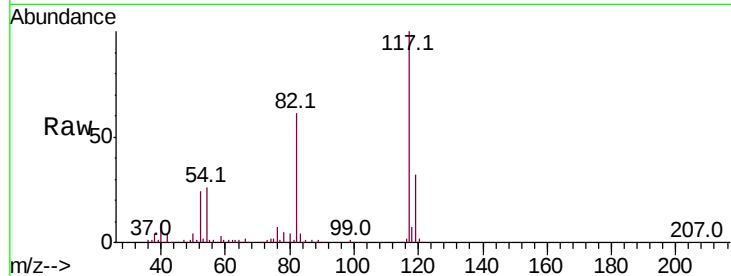




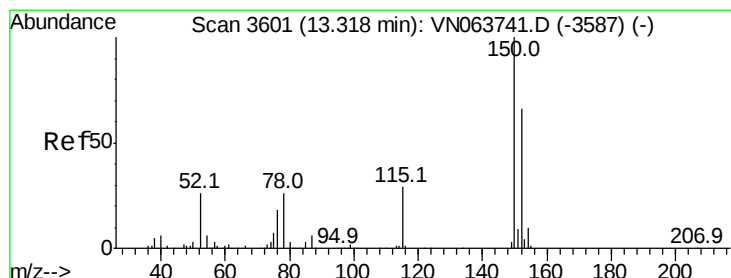
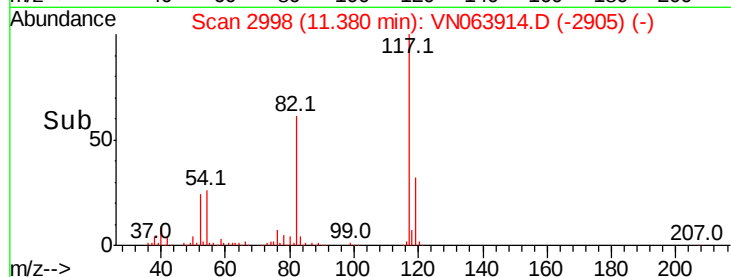
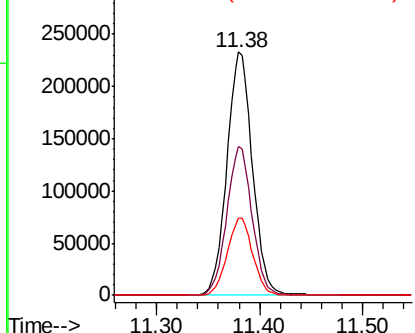
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063914.D
Acq: 7 Oct 2020 00:41

Instrument :
MSVOA_N
ClientSampleId :
PB132064TB

Tot Ion:117 Resp: 403940
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 31.8 26.4 39.6

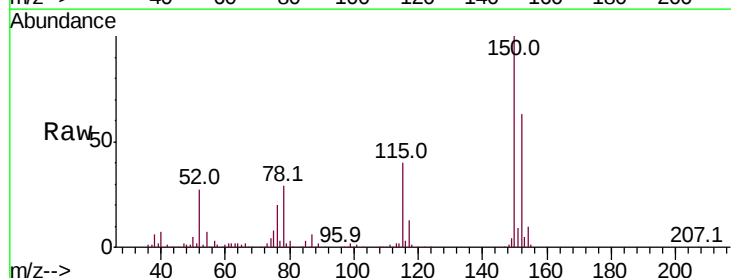


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

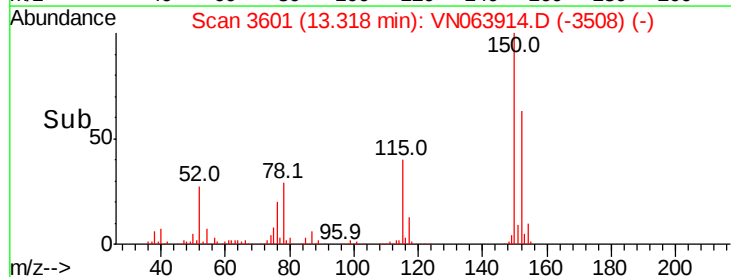
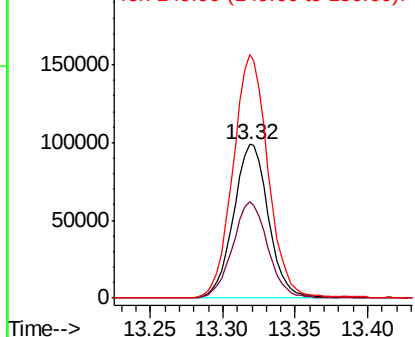


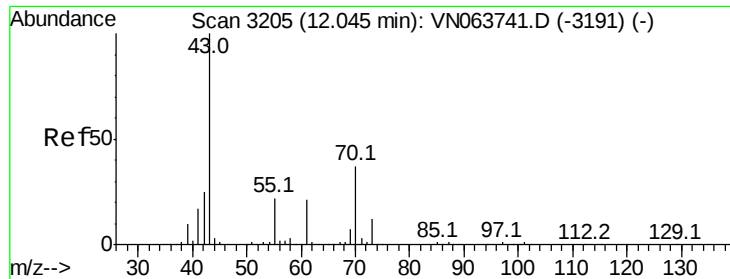
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063914.D
Acq: 7 Oct 2020 00:41

Tgt Ion:152 Resp: 165600
Ion Ratio Lower Upper
152 100
115 63.1 31.3 93.8
150 158.0 0.0 341.8



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





#74

N-amvl acetate

Concen: 2.250 ug/l

RT: 12.05 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VN063914.D

Acq: 7 Oct 2020 00:41

Instrument :

MSVOA_N

ClientSampleId :

PB132064TB

Tot Ion: 43 Resp: 199

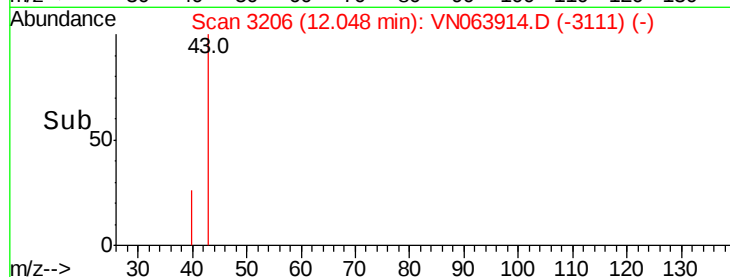
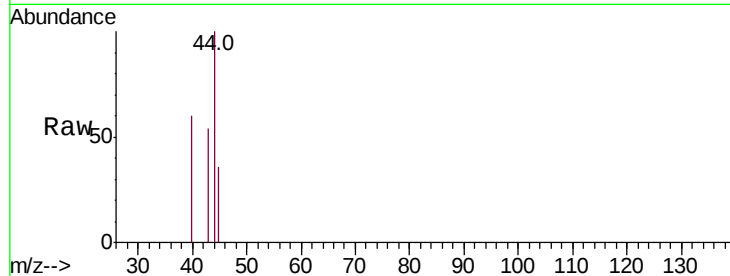
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

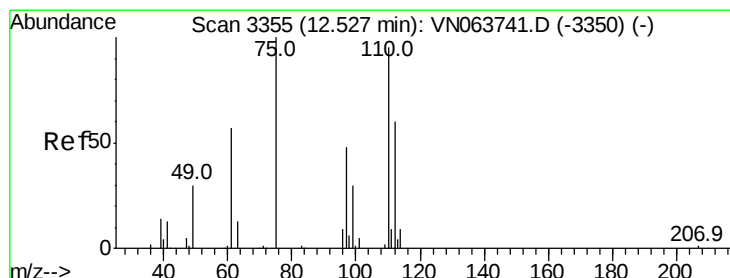
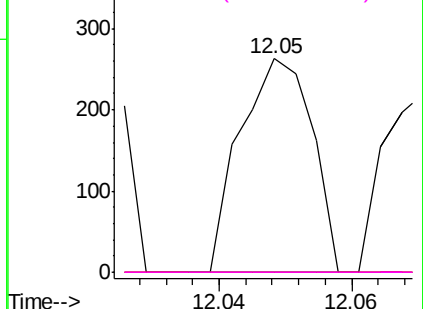


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 30.166 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063914.D

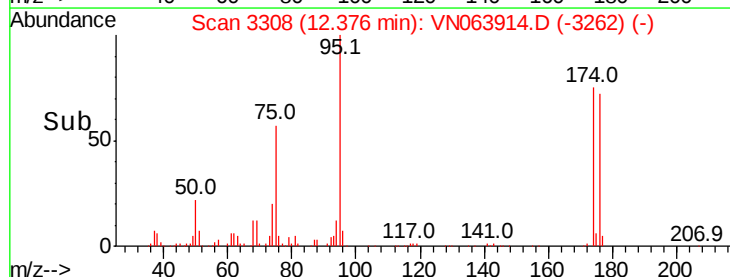
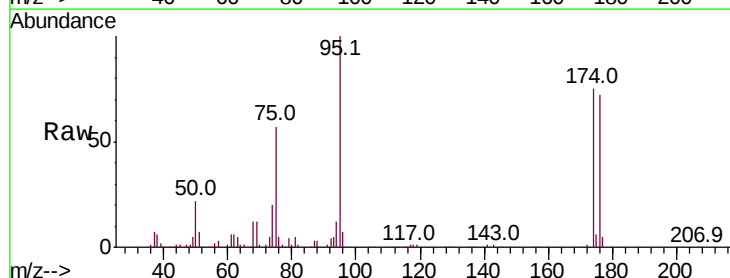
Acq: 7 Oct 2020 00:41

Tgt Ion: 75 Resp: 110120

Ion Ratio Lower Upper

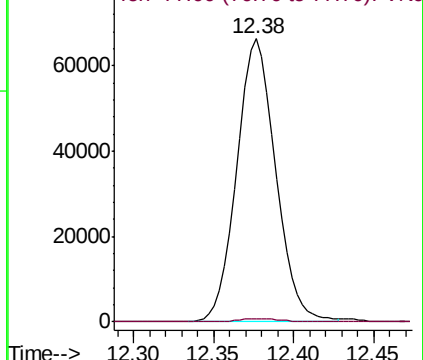
75 100

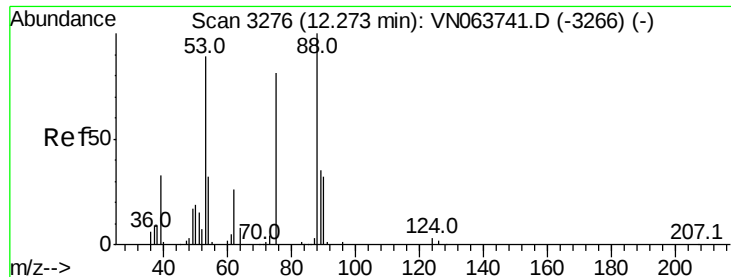
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

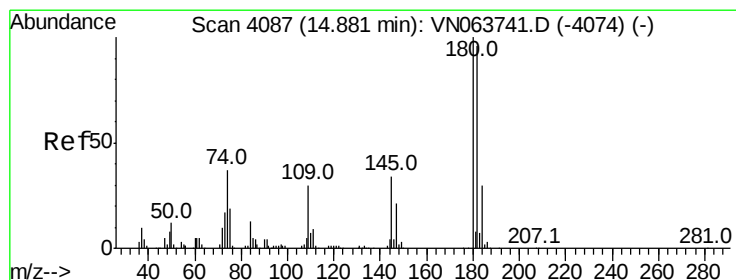
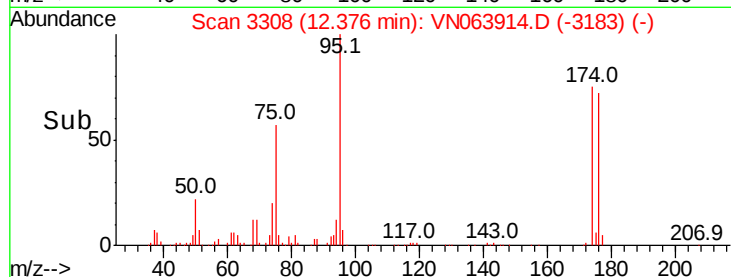
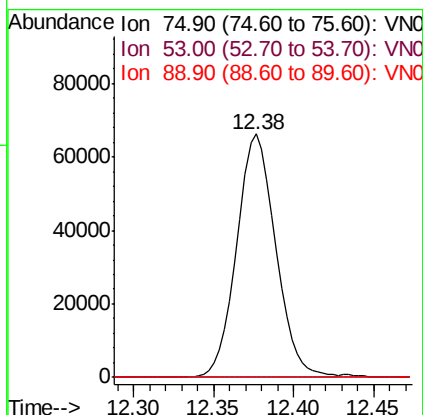
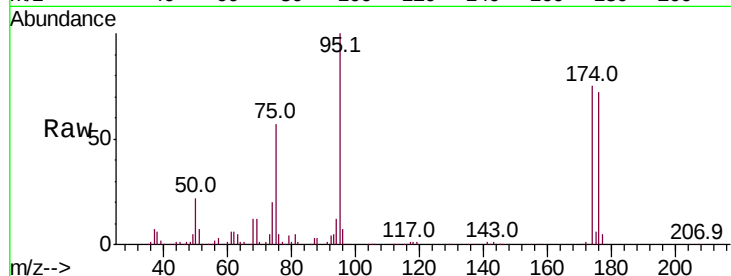




#81
trans-1,4-Dichloro-2-butene
Concen: 86.883 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063914.D
Acq: 7 Oct 2020 00:41

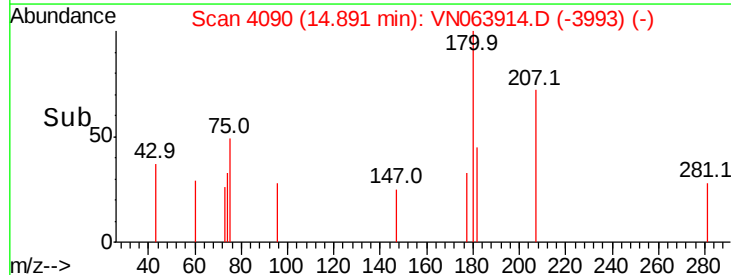
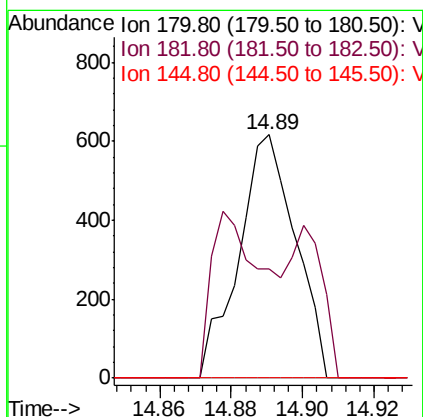
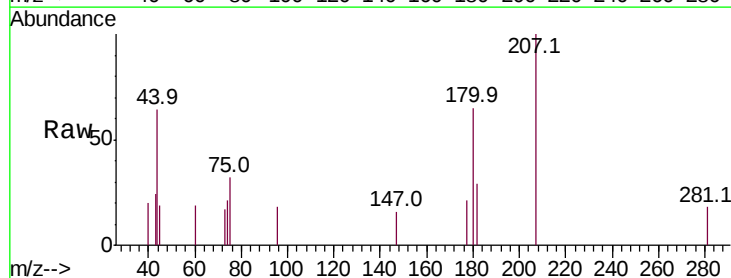
Instrument :
MSVOA_N
ClientSampled :
PB132064TB

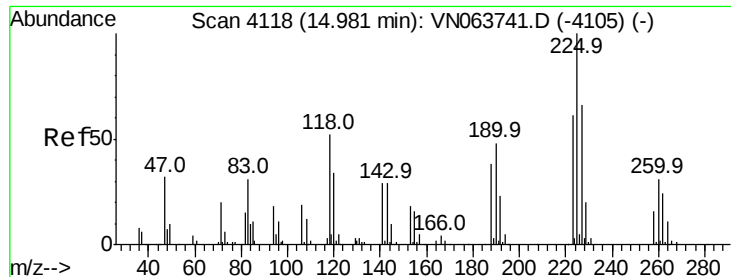
Tot Ion: 75 Resp: 110120
Ion Ratio Lower Upper
75 100
53 0.0 88.2 132.2#
89 0.0 36.0 54.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.962 ug/l
RT: 14.89 min Scan# 4090
Delta R.T. 0.01 min
Lab File: VN063914.D
Acq: 7 Oct 2020 00:41

Tgt Ion:180 Resp: 675
Ion Ratio Lower Upper
180 100
182 35.6 48.2 144.6#
145 0.0 17.1 51.2#





#94

Hexachlorobutadiene

Concen: 0.561 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN063914.D

Acq: 7 Oct 2020 00:41

Instrument :

MSVOA_N

ClientSampled :

PB132064TB

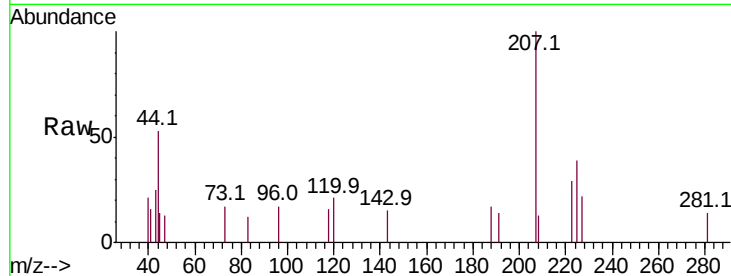
Tot Ion:225 Resp: 712

Ion Ratio Lower Upper

225 100

223 51.0 30.3 91.0

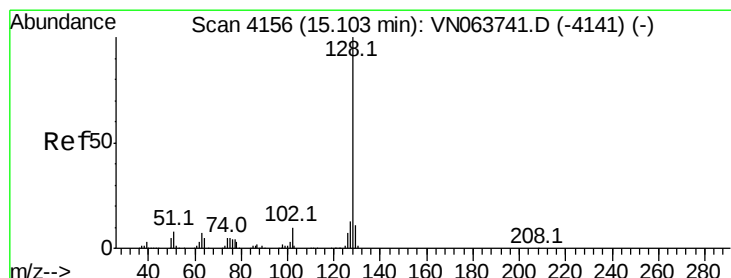
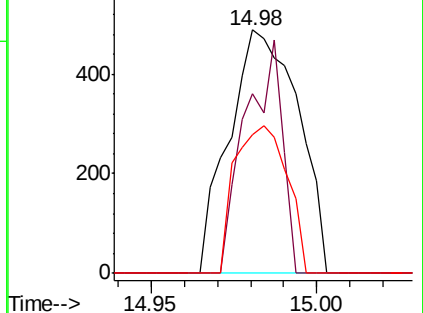
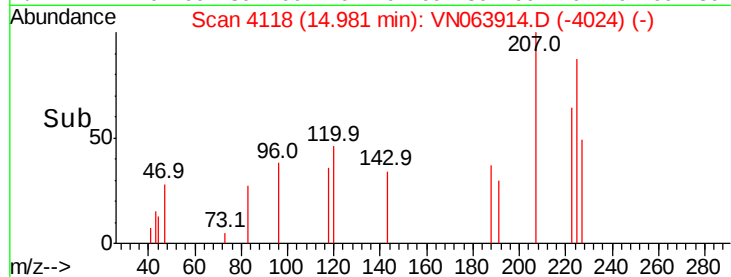
227 45.5 31.9 95.5



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: 2.216 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN063914.D

Acq: 7 Oct 2020 00:41

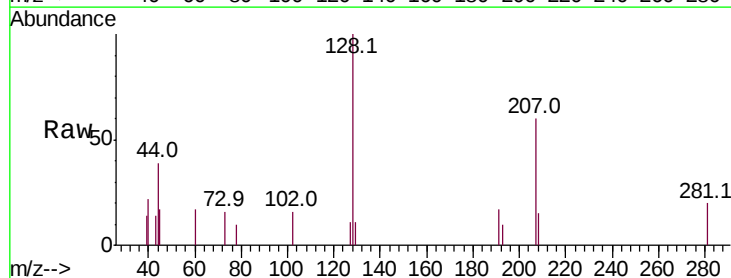
Tgt Ion:128 Resp: 2711

Ion Ratio Lower Upper

128 100

127 5.0 10.5 15.7#

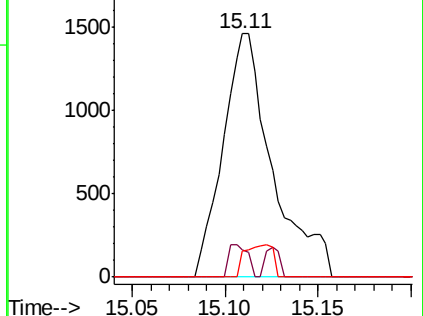
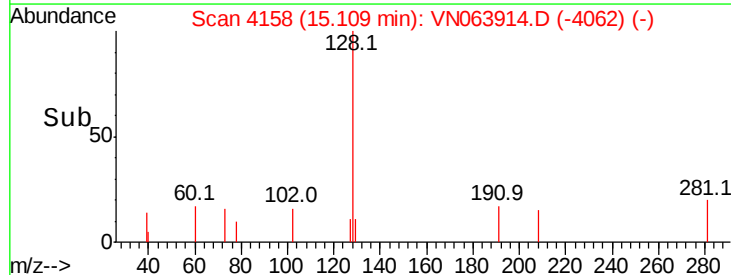
129 0.0 8.7 13.1#

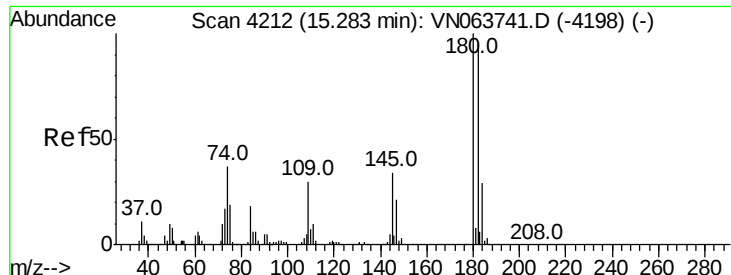


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

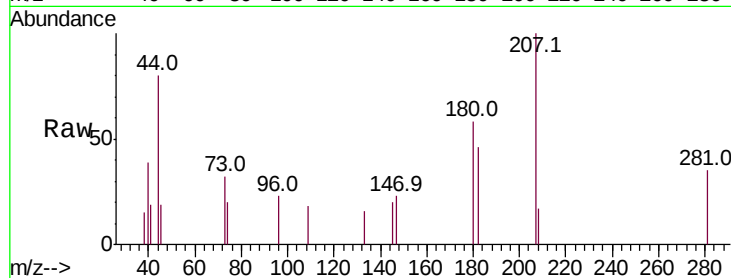




#96
 1,2,3-Trichlorobenzene
 Concen: 1.894 ug/l
 RT: 15.29 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN063914.D
 Acq: 7 Oct 2020 00:41

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132064TB

Tot Ion:180 Resp: 942
 Ion Ratio Lower Upper
 180 100
 182 61.7 47.9 143.6
 145 18.9 17.2 51.5



Abundance Ion 179.80 (179.50 to 180.50): V
 800 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

