

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103020\
 Data File : VN064401.D
 Acq On : 30 Oct 2020 15:41
 Operator : JC/MD
 Sample : L4572-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Nov 02 02:06:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	210981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	369989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	380205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	154969	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	178778	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
35) Dibromofluoromethane	7.55	113	120574	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
50) Toluene-d8	10.06	98	470920	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.37	95	198443	55.77	ug/l	0.00
Spiked Amount			Recovery	=	111.54%	

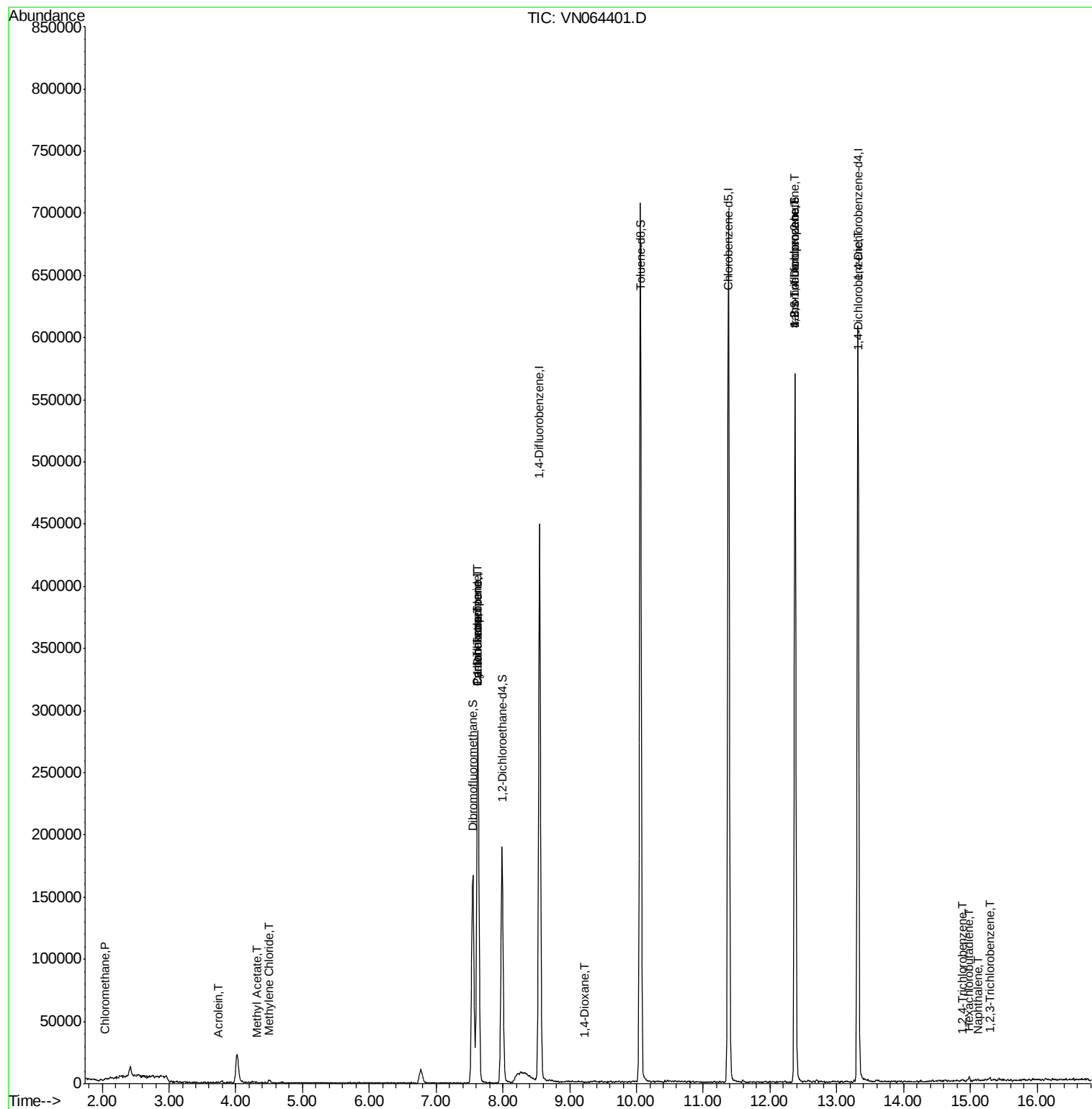
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	565	0.216	ug/l	100
13) Acrolein	3.74	56	76	18.341	ug/l	93
16) Acetone	3.78	43	3789	Below Cal	#	76
18) Methyl Acetate	4.31	43	615	0.241	ug/l #	77
20) Methylene Chloride	4.51	84	671	0.279	ug/l #	37
31) Cyclohexane	7.61	56	6279	1.596	ug/l #	35
36) 1,1-Dichloropropene	7.62	75	19352	5.183	ug/l #	53
38) Carbon Tetrachloride	7.62	117	24131	5.574	ug/l #	17
49) 1,4-Dioxane	9.23	88	30	0.612	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	108613	29.267	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	108613	84.305	ug/l #	8
88) 1,4-Dichlorobenzene	13.33	146	1091	0.215	ug/l #	65
93) 1,2,4-Trichlorobenzene	14.88	180	414	2.158	ug/l #	86
94) Hexachlorobutadiene	14.99	225	770	0.507	ug/l #	76
95) Naphthalene	15.11	128	1686	2.576	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.29	180	583	2.385	ug/l #	73

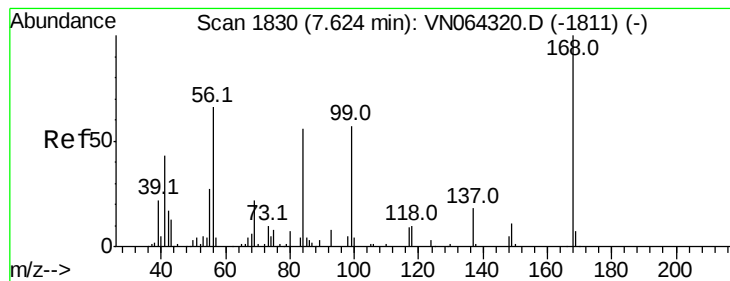
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064401.D

Acq: 30 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

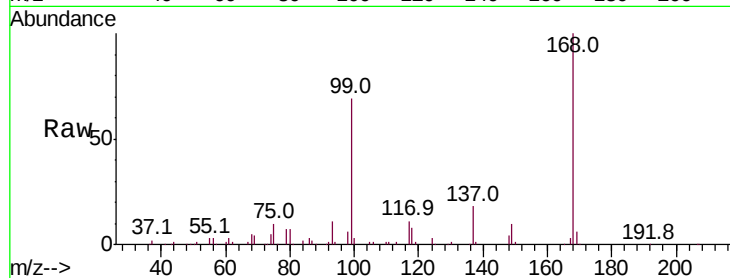
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 210981

Ion Ratio Lower Upper

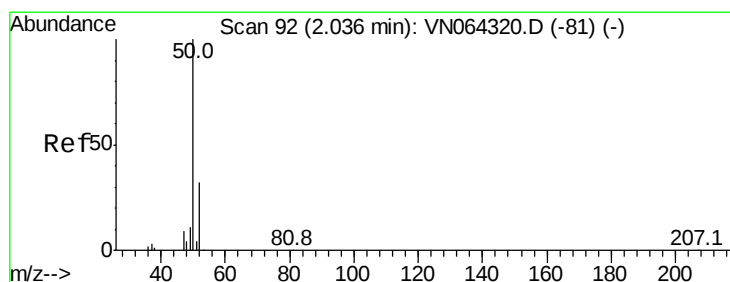
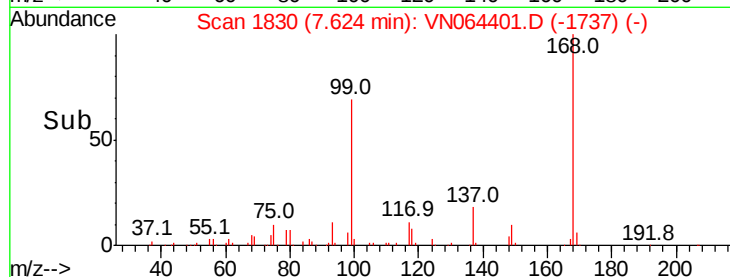
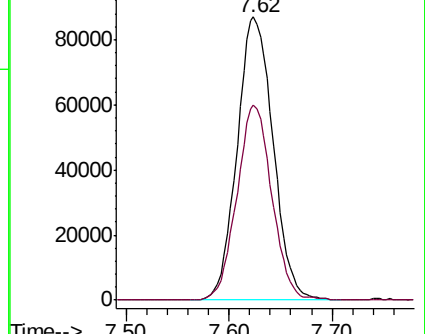
168 100

99 69.0 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.216 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064401.D

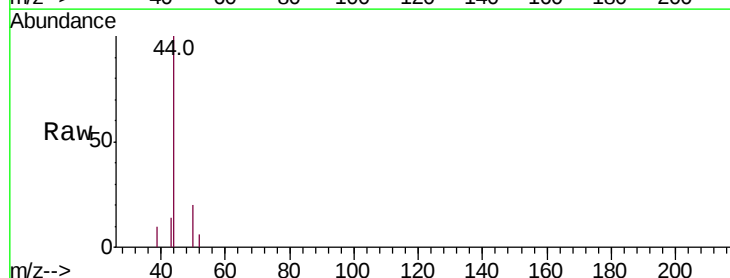
Acq: 30 Oct 2020 15:41

Tgt Ion: 50 Resp: 565

Ion Ratio Lower Upper

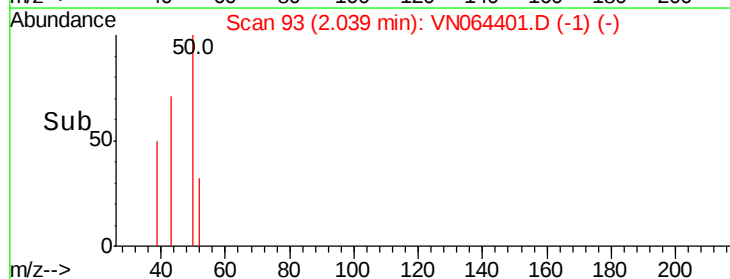
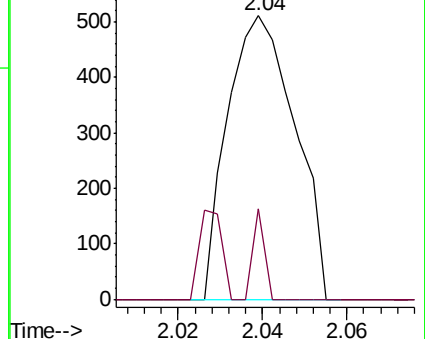
50 100

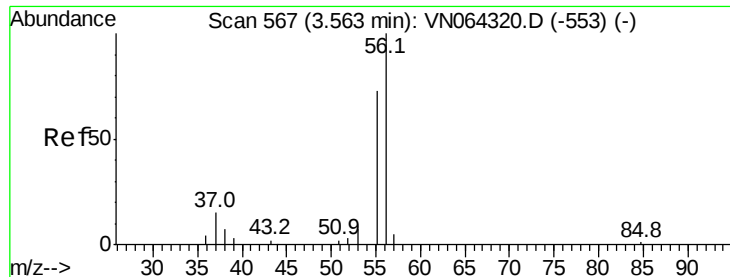
52 31.9 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#13

Acrolein

Concen: 18.341 ug/l

RT: 3.74 min Scan# 622

Delta R.T. 0.18 min

Lab File: VN064401.D

Acq: 30 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

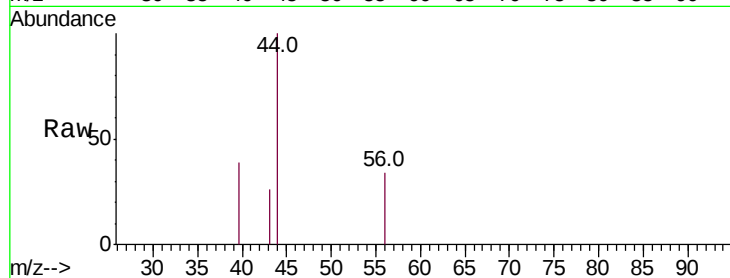
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 56 Resp: 76

Ion Ratio Lower Upper

56 100

55 84.2 62.6 94.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

250

200

150

100

50

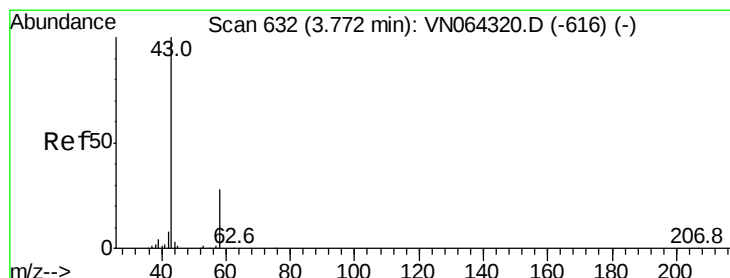
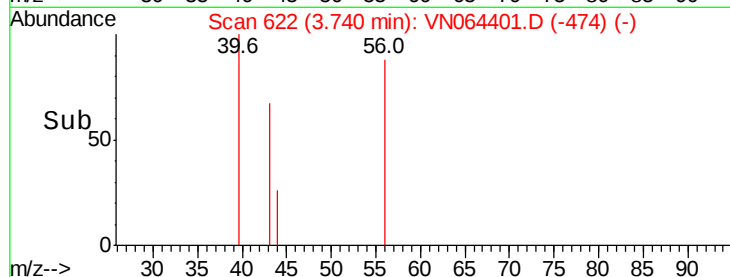
0

3.73

3.74

3.75

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064401.D

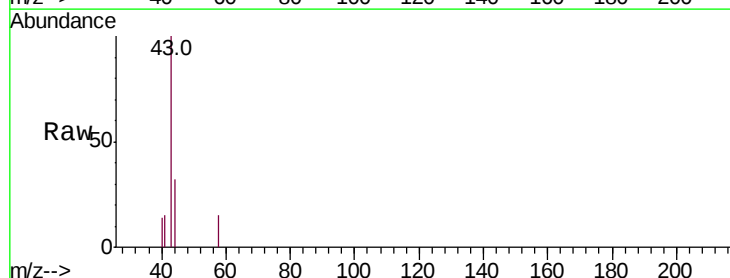
Acq: 30 Oct 2020 15:41

Tgt Ion: 43 Resp: 3789

Ion Ratio Lower Upper

43 100

58 15.3 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1500

1000

500

0

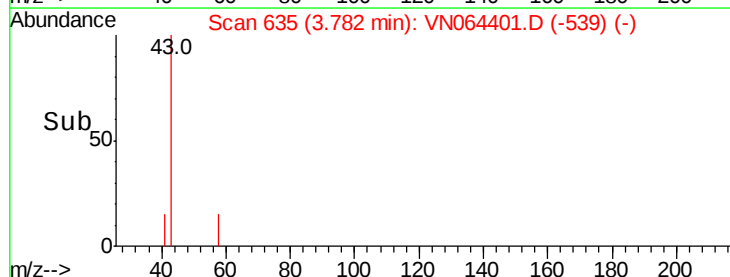
3.70

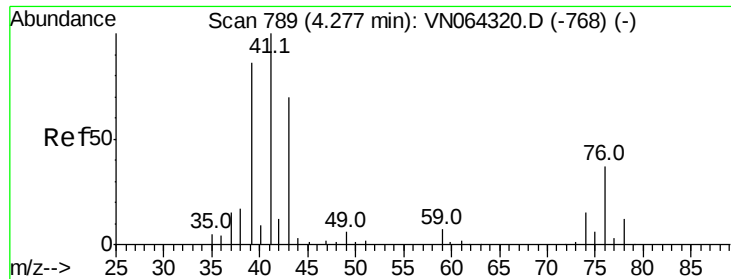
3.75

3.80

3.85

Time-->

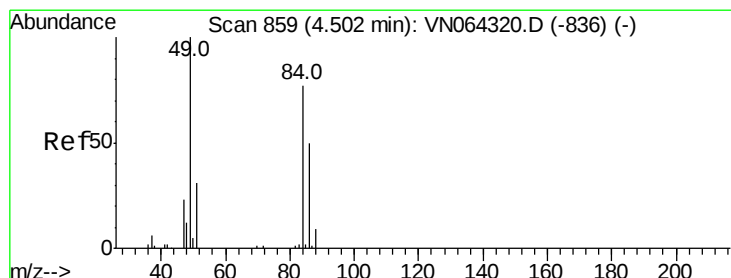
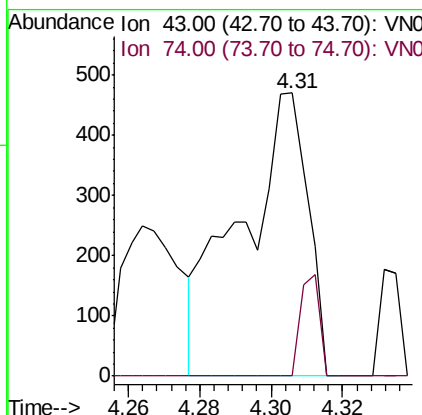
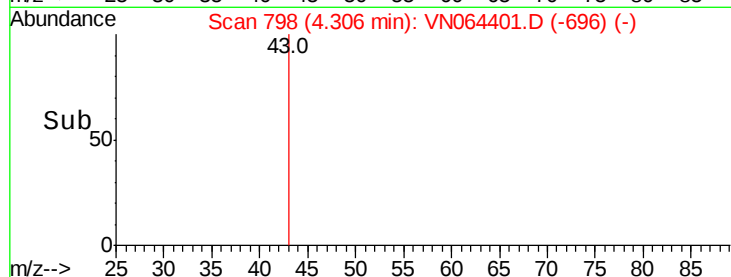
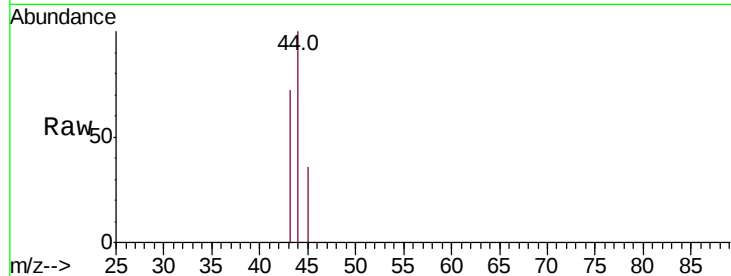




#18
Methyl Acetate
Concen: 0.241 ug/l
RT: 4.31 min Scan# 798
Delta R.T. 0.03 min
Lab File: VN064401.D
Acq: 30 Oct 2020 15:41

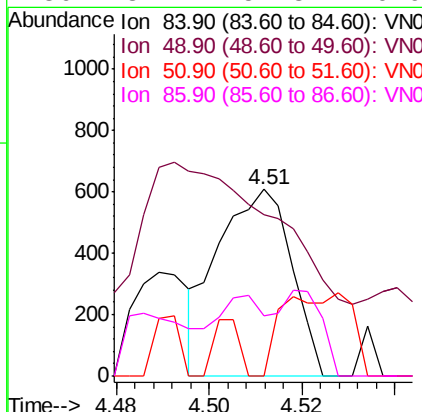
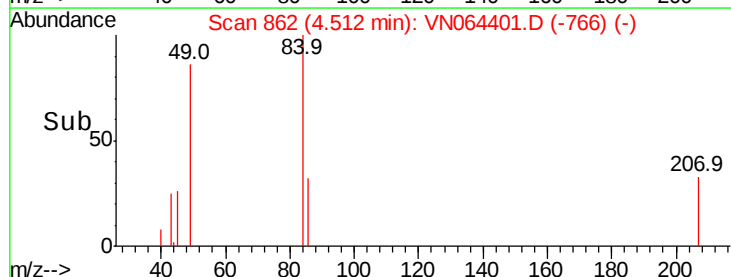
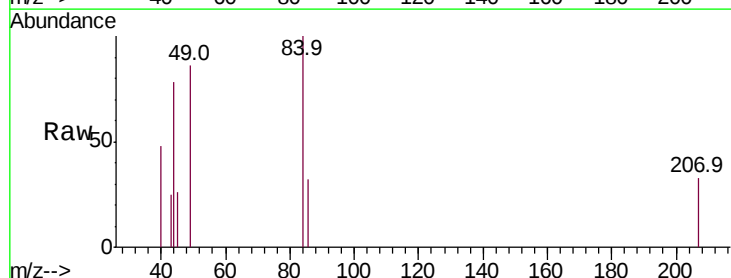
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

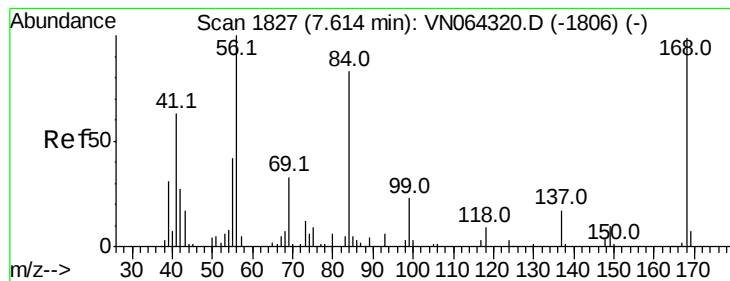
Tot Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
74 10.1 16.7 25.1#



#20
Methylene Chloride
Concen: 0.279 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN064401.D
Acq: 30 Oct 2020 15:41

Tgt Ion: 84 Resp: 671
Ion Ratio Lower Upper
84 100
49 44.8 103.6 155.4#
51 0.0 31.8 47.8#
86 32.2 51.3 76.9#





#31

Cyclohexane

Concen: 1.596 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064401.D

Acq: 30 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

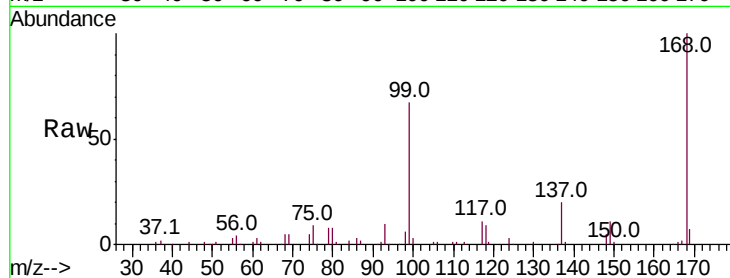
Tot Ion: 56 Resp: 6279

Ion Ratio Lower Upper

56 100

69 134.4 25.8 38.8#

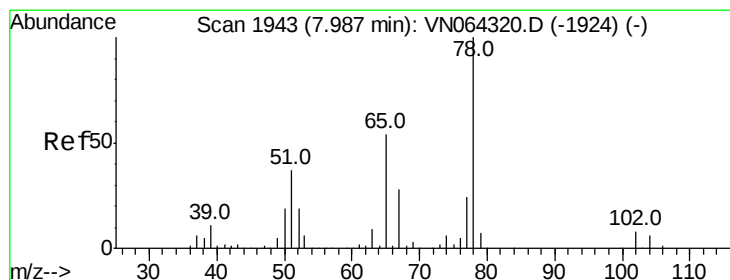
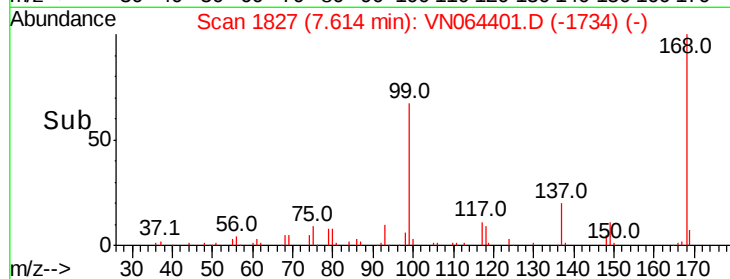
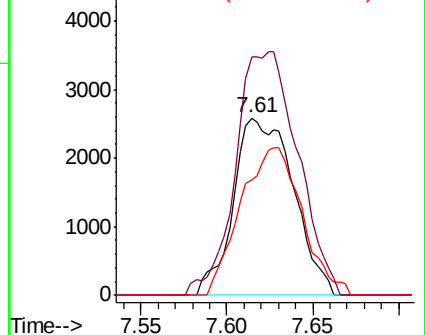
84 65.5 66.3 99.5#



Abundance Ion 56.00 (55.70 to 56.70): VN064401.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN064401.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN064401.D (-1734) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.730 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064401.D

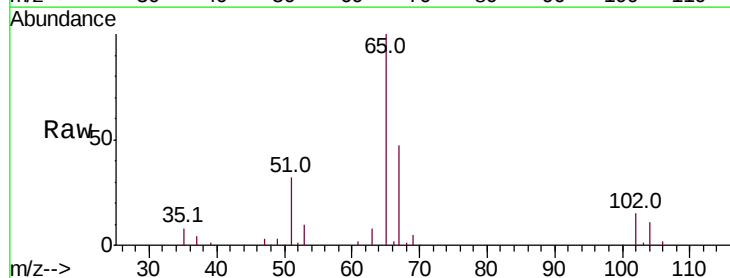
Acq: 30 Oct 2020 15:41

Tgt Ion: 65 Resp: 178778

Ion Ratio Lower Upper

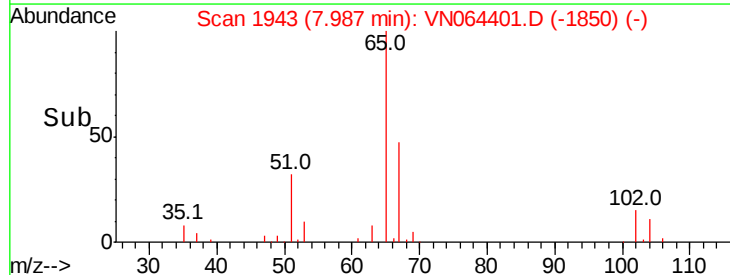
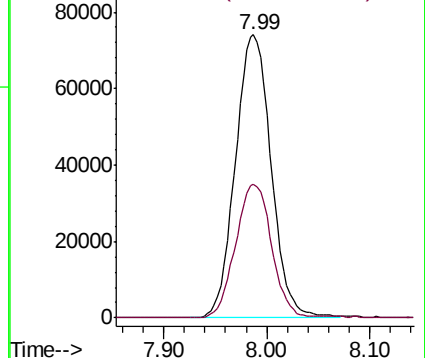
65 100

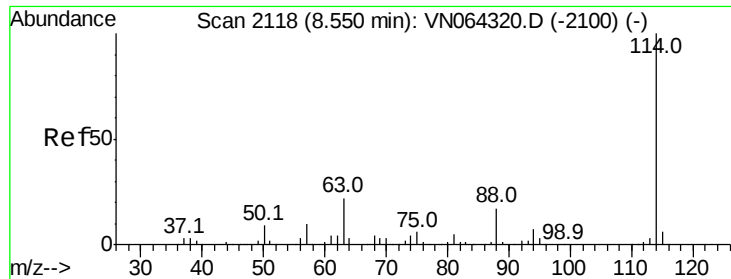
67 47.5 0.0 99.2



Abundance Ion 64.90 (64.60 to 65.60): VN064401.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064401.D (-1850) (-)

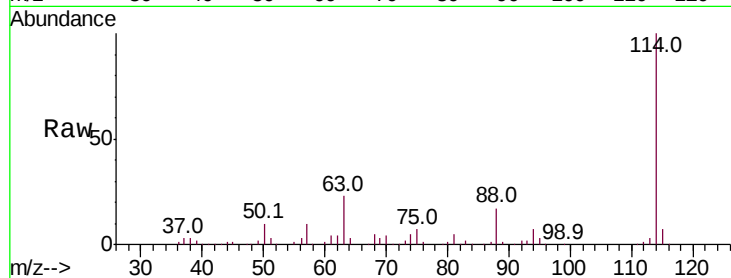




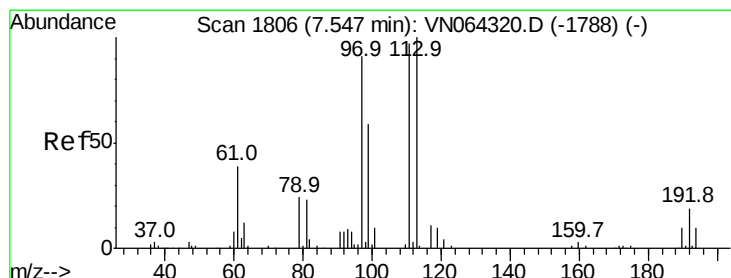
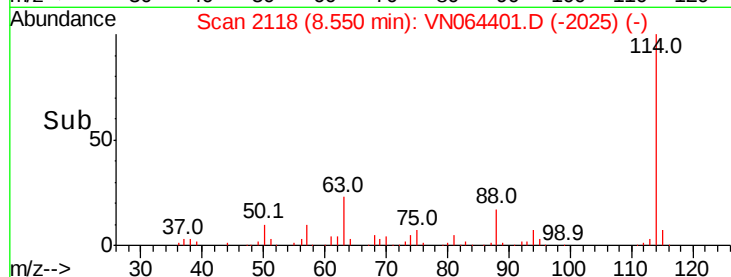
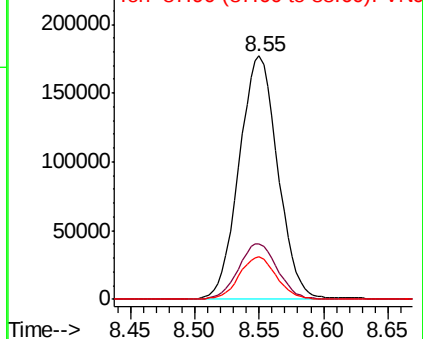
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064401.D
 Acq: 30 Oct 2020 15:41

Instrument :
 MSVOA_N
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 STORAGE-BLANK-SAMPLE-MANA

Tot Ion:114 Resp: 369989
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 44.6
 88 17.3 0.0 33.4

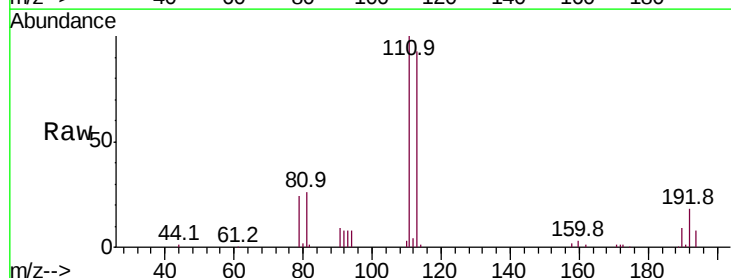


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

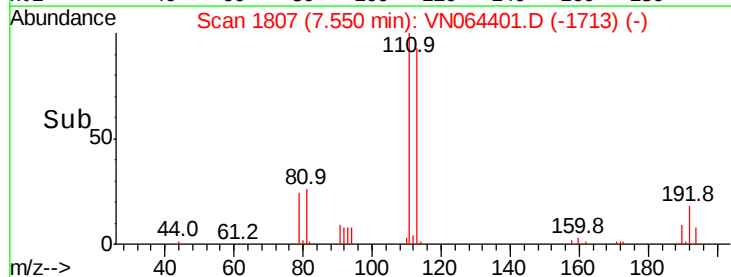
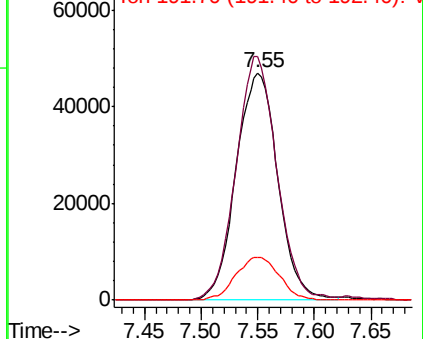


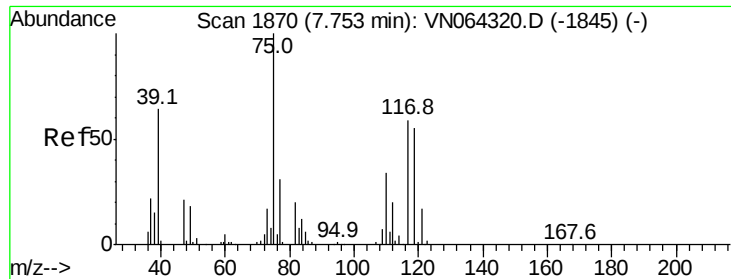
#35
 Dibromofluoromethane
 Concen: 48.868 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064401.D
 Acq: 30 Oct 2020 15:41

Tgt Ion:113 Resp: 120574
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.5 122.3
 192 19.6 15.0 22.4



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: 5.183 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064401.D

Acq: 30 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

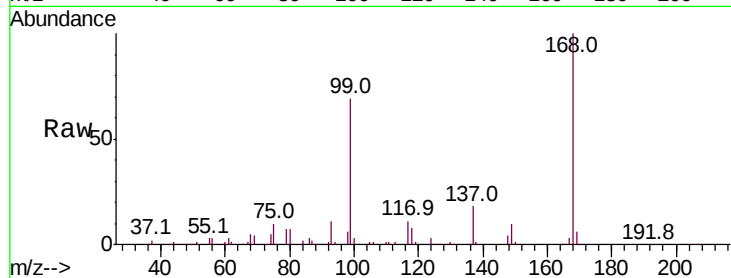
Tot Ion: 75 Resp: 19352

Ion Ratio Lower Upper

75 100

110 11.0 16.8 50.3#

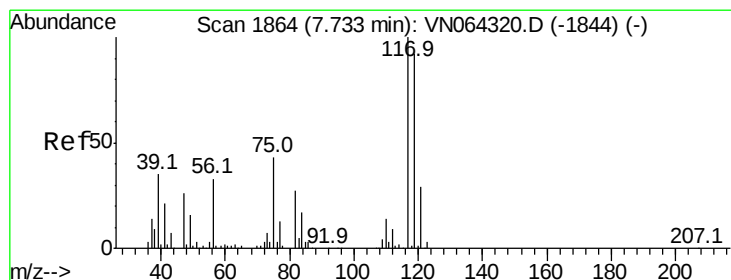
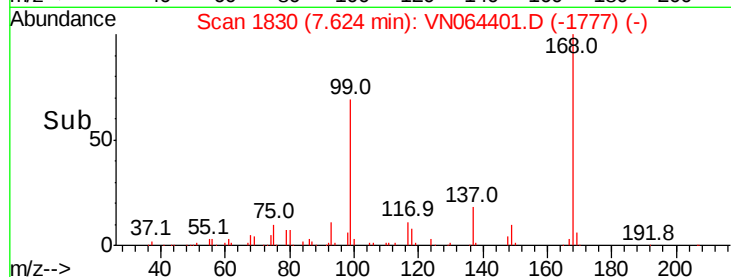
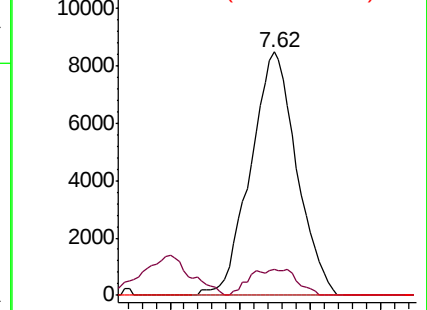
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 5.574 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064401.D

Acq: 30 Oct 2020 15:41

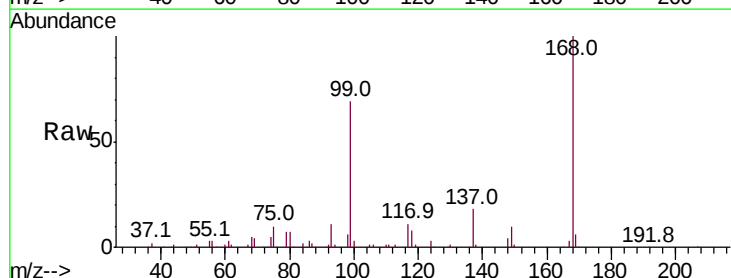
Tgt Ion:117 Resp: 24131

Ion Ratio Lower Upper

117 100

119 4.7 73.7 110.5#

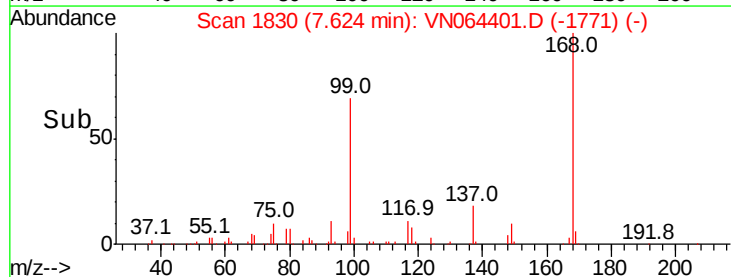
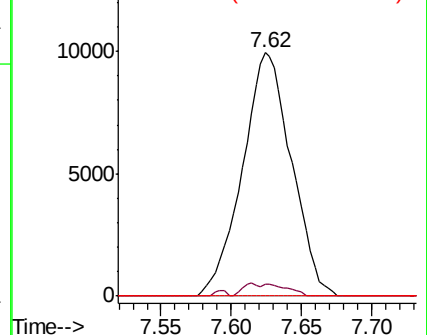
121 0.0 22.8 34.2#

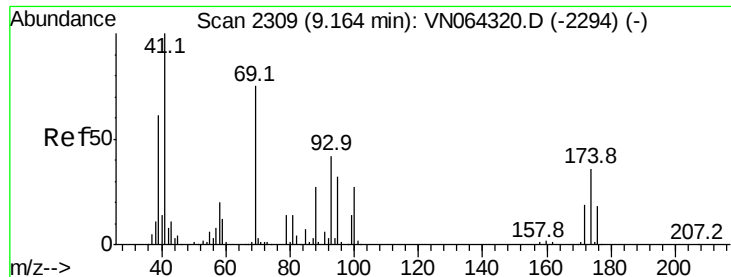


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.612 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN064401.D

Acq: 30 Oct 2020 15:41

Instrument :

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ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

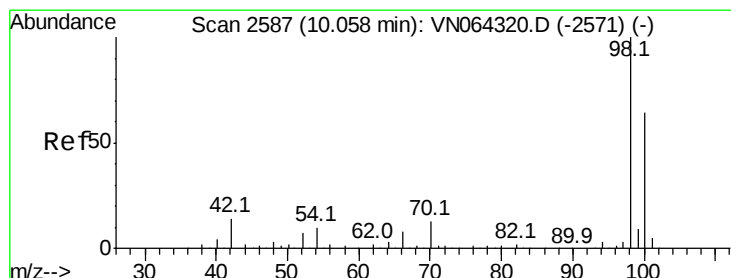
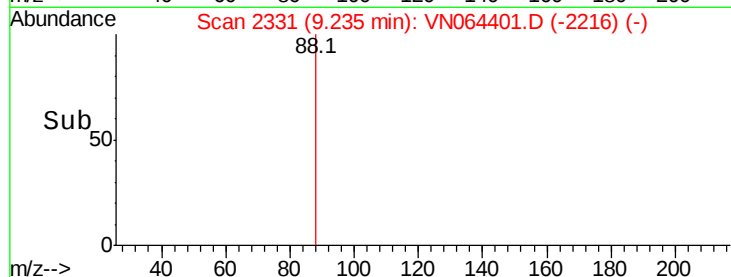
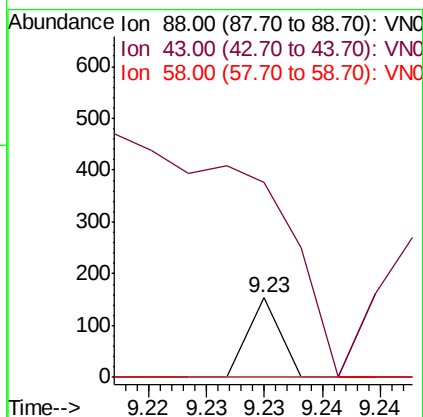
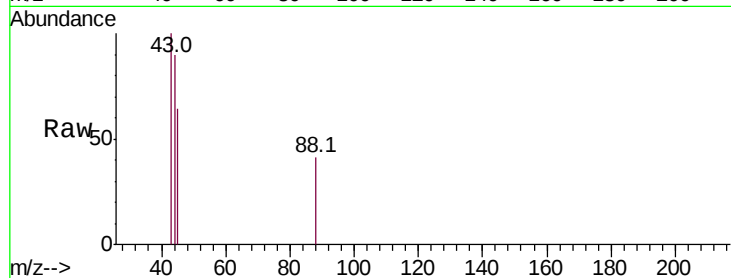
Tot Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 2130.0 31.8 47.8#

58 0.0 60.3 90.5#



#50

Toluene-d8

Concen: 51.599 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064401.D

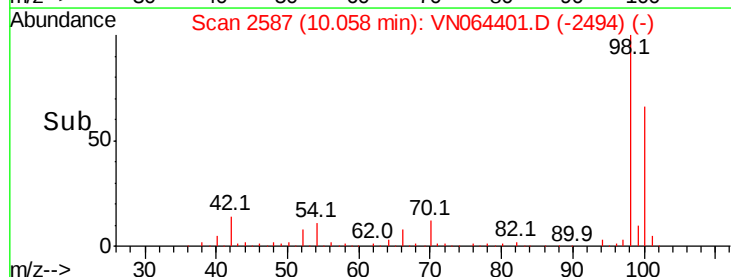
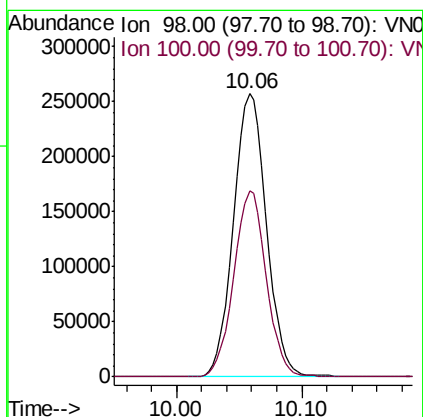
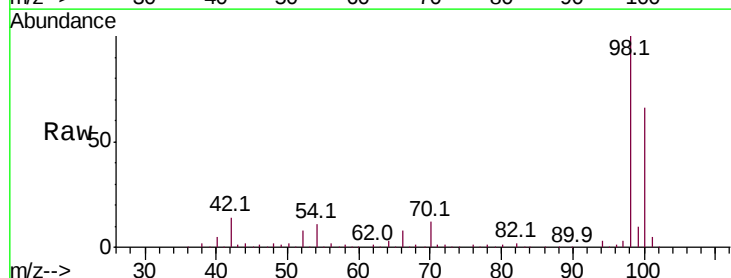
Acq: 30 Oct 2020 15:41

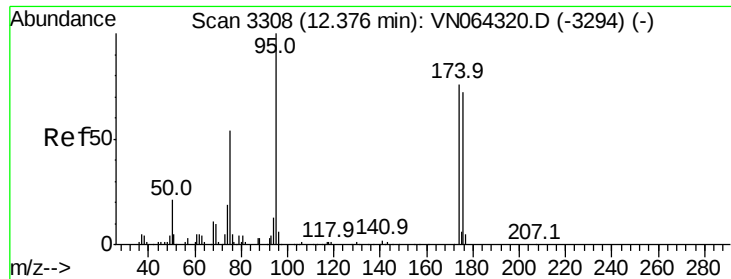
Tgt Ion: 98 Resp: 470920

Ion Ratio Lower Upper

98 100

100 64.7 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 55.768 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064401.D

Acq: 30 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

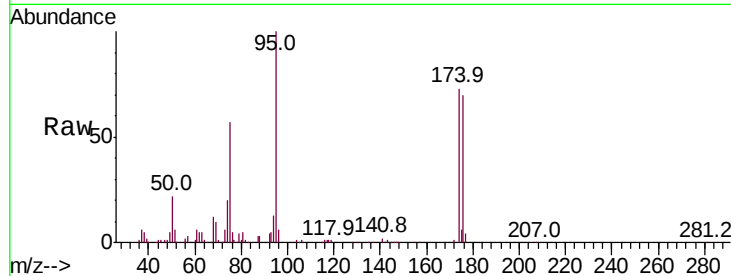
Tot Ion: 95 Resp: 198443

Ion Ratio Lower Upper

95 100

174 73.3 0.0 147.4

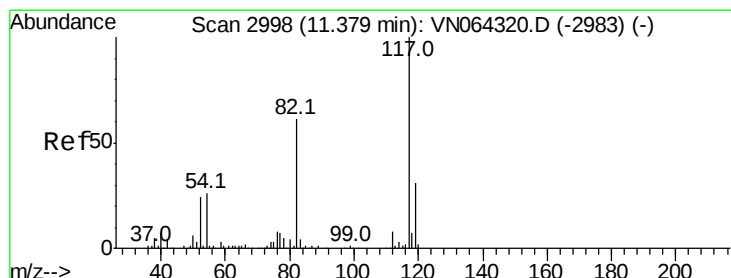
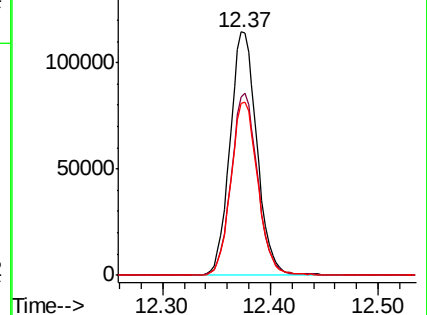
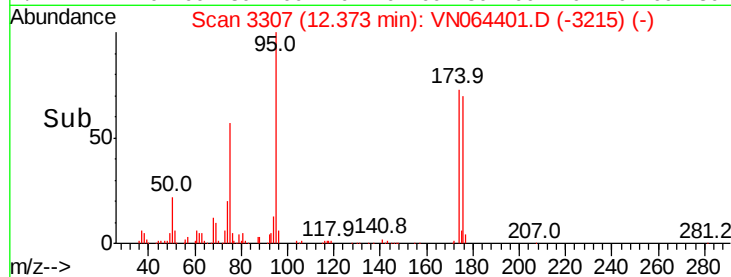
176 71.1 0.0 143.6



Abundance Ion 94.90 (94.60 to 95.60): VN064401.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN064401.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN064401.D (-3215) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064401.D

Acq: 30 Oct 2020 15:41

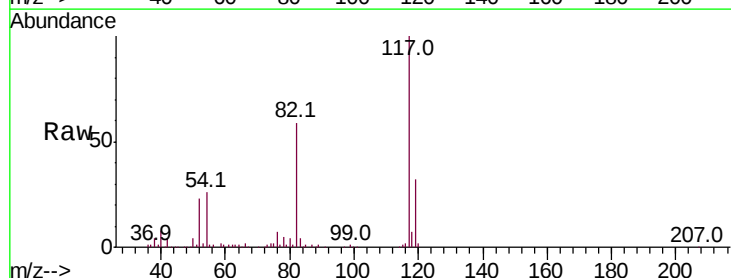
Tgt Ion: 117 Resp: 380205

Ion Ratio Lower Upper

117 100

82 59.1 48.8 73.2

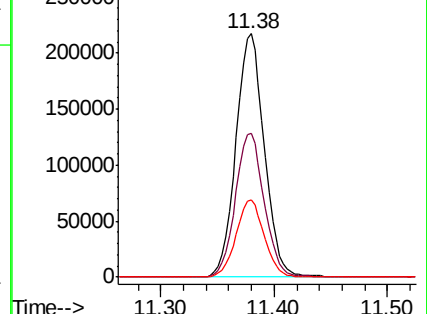
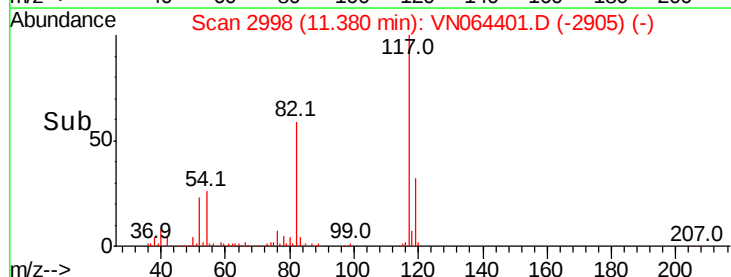
119 31.9 25.1 37.7

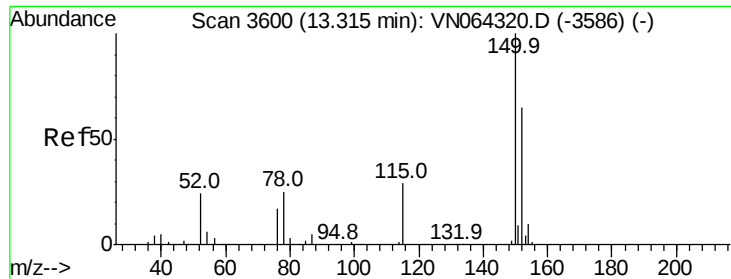


Abundance Ion 116.90 (116.60 to 117.60): VN064401.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN064401.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN064401.D (-2905) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064401.D

Acq: 30 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

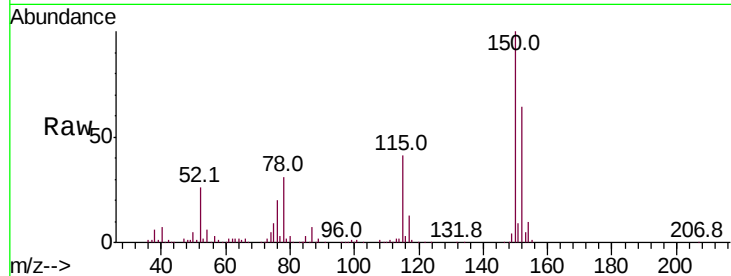
Tot Ion:152 Resp: 154969

Ion Ratio Lower Upper

152 100

115 63.8 31.5 94.5

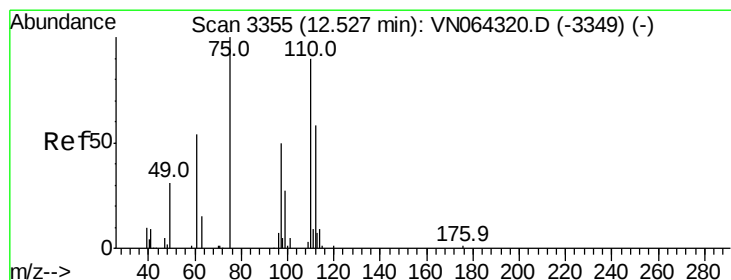
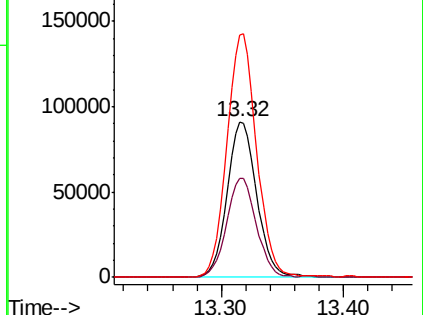
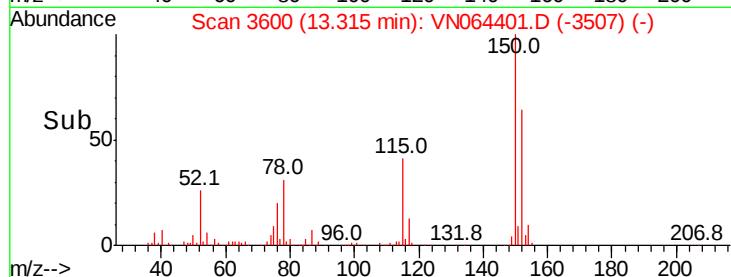
150 157.1 0.0 346.2



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: 29.267 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064401.D

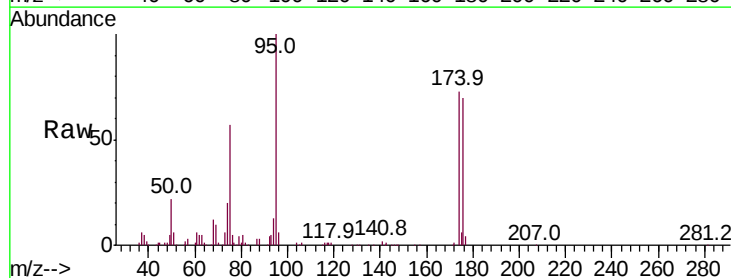
Acq: 30 Oct 2020 15:41

Tgt Ion: 75 Resp: 108613

Ion Ratio Lower Upper

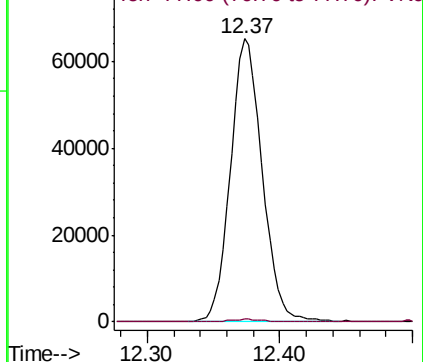
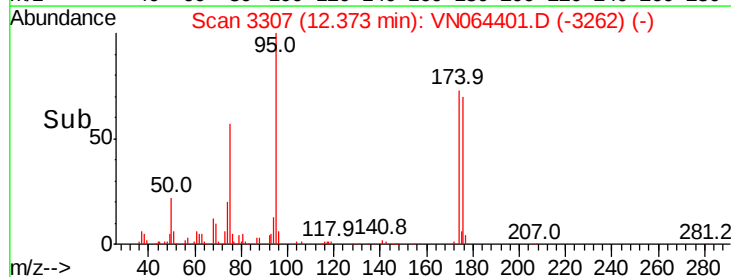
75 100

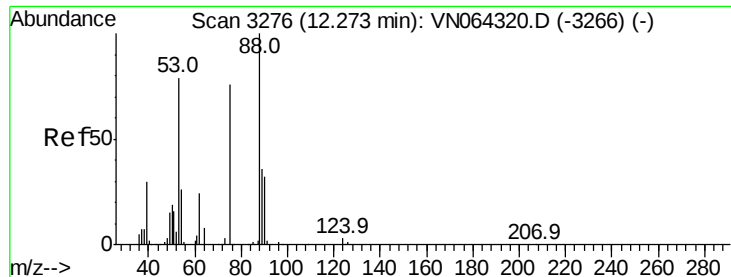
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

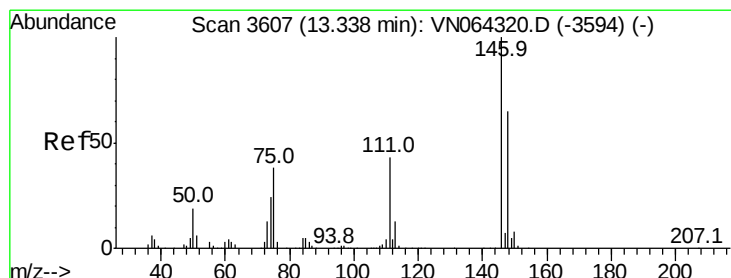
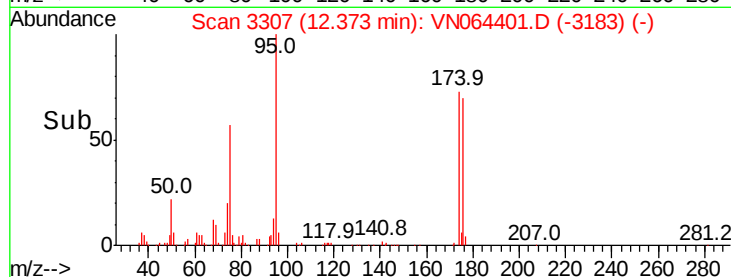
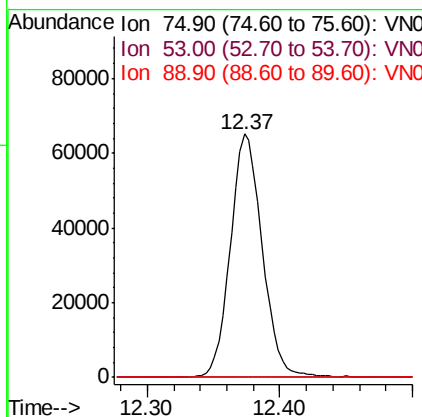
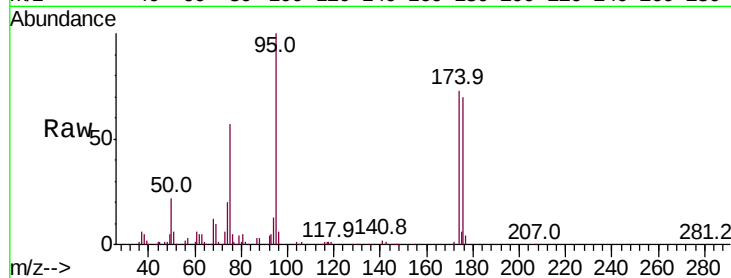




#81
trans-1,4-Dichloro-2-butene
Concen: 84.305 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN064401.D
Acq: 30 Oct 2020 15:41

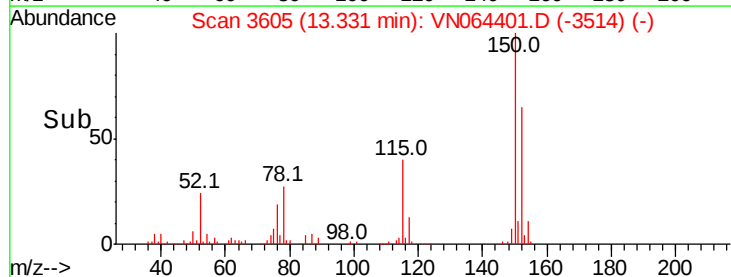
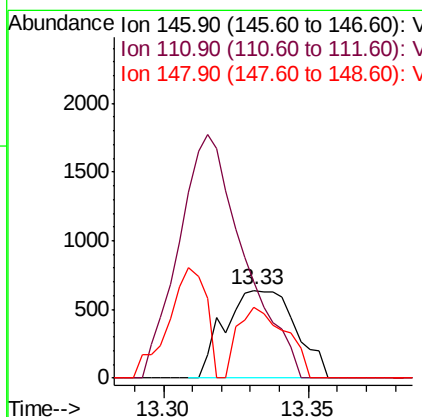
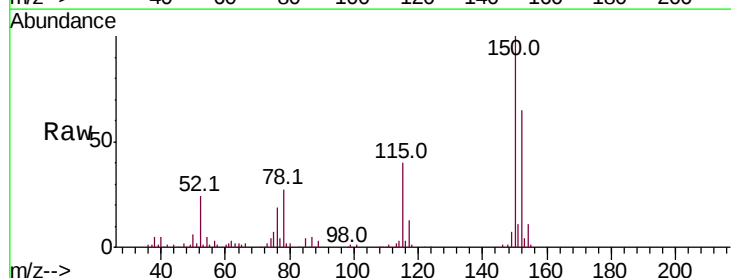
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

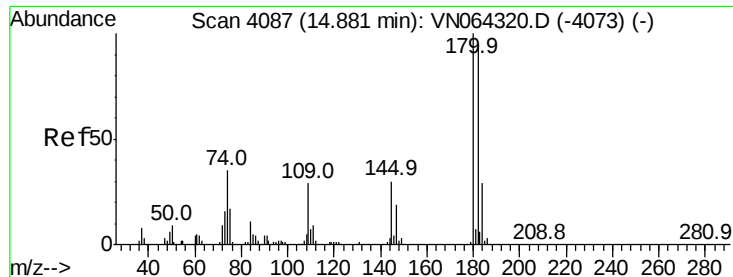
Tot Ion: 75 Resp: 108613
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8#
89 0.0 39.9 59.9#



#88
1,4-Dichlorobenzene
Concen: 0.215 ug/l
RT: 13.33 min Scan# 3605
Delta R.T. -0.01 min
Lab File: VN064401.D
Acq: 30 Oct 2020 15:41

Tgt Ion: 146 Resp: 1091
Ion Ratio Lower Upper
146 100
111 0.0 21.8 65.4#
148 54.3 31.8 95.3

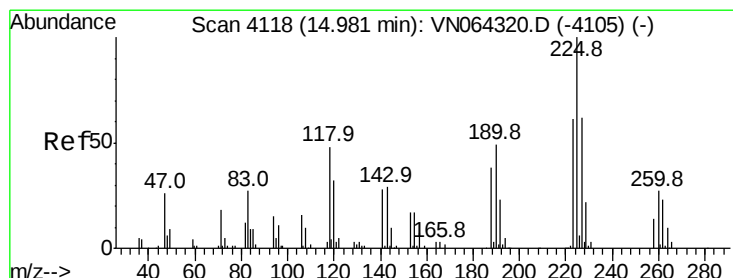
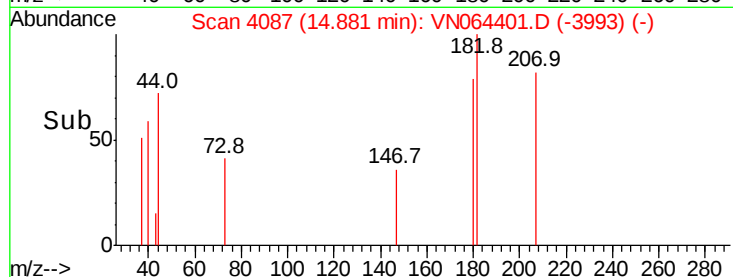
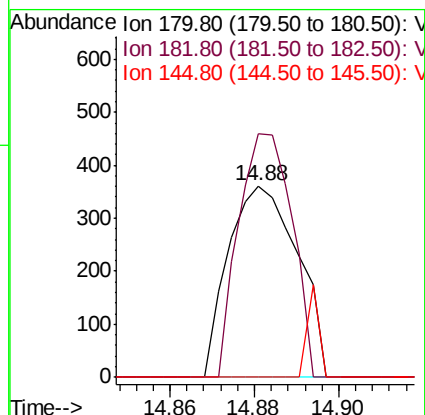
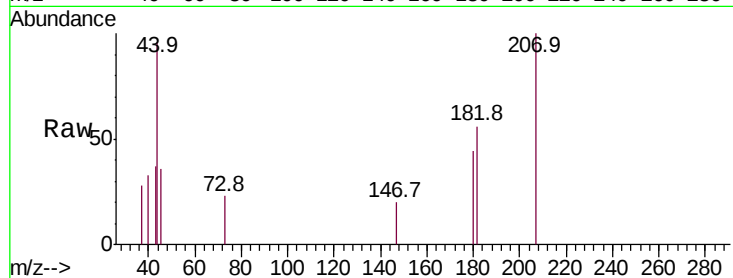




#93
 1,2,4-Trichlorobenzene
 Concen: 2.158 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064401.D
 Acq: 30 Oct 2020 15:41

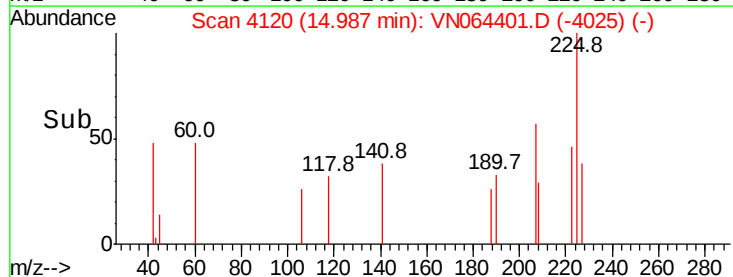
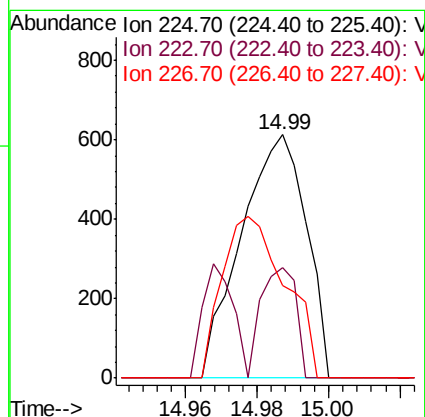
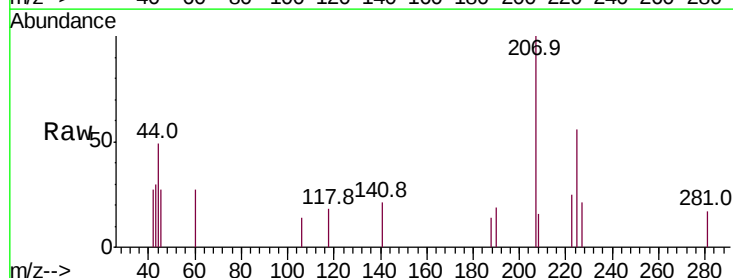
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

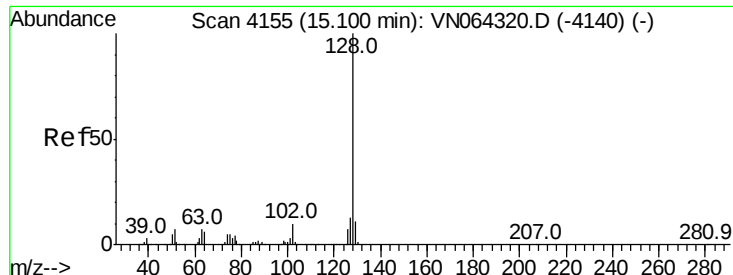
Tot Ion:180 Resp: 414
 Ion Ratio Lower Upper
 180 100
 182 97.6 46.6 139.7
 145 8.2 15.3 45.9#



#94
 Hexachlorobutadiene
 Concen: 0.507 ug/l
 RT: 14.99 min Scan# 4120
 Delta R.T. 0.01 min
 Lab File: VN064401.D
 Acq: 30 Oct 2020 15:41

Tgt Ion:225 Resp: 770
 Ion Ratio Lower Upper
 225 100
 223 24.5 31.3 93.8#
 227 64.5 32.3 96.9





#95

Naphthalene

Concen: 2.576 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN064401.D

Acq: 30 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

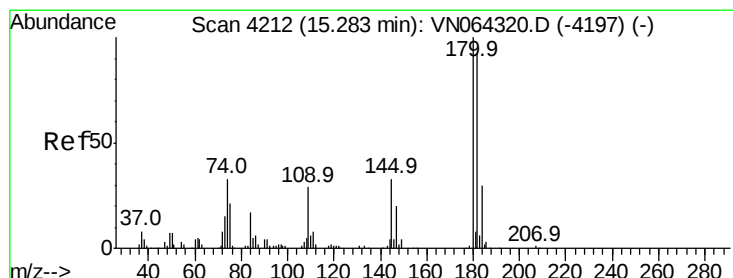
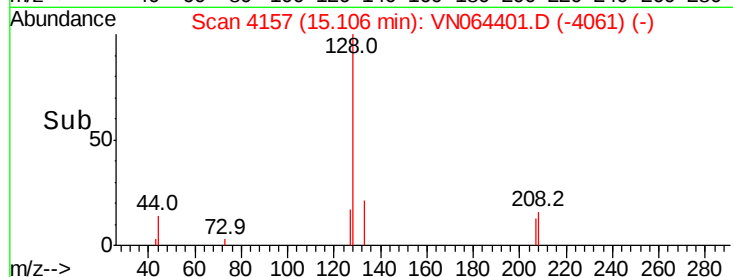
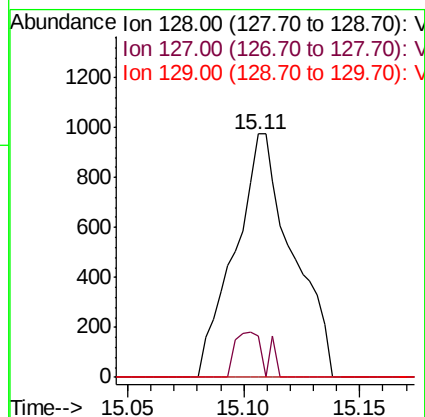
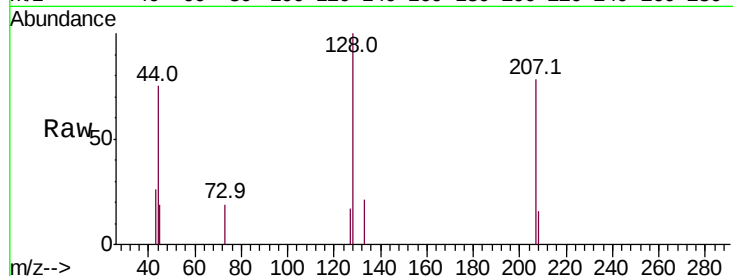
Tot Ion:128 Resp: 1686

Ion Ratio Lower Upper

128 100

127 9.7 10.4 15.6#

129 0.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 2.385 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN064401.D

Acq: 30 Oct 2020 15:41

Tgt Ion:180 Resp: 583

Ion Ratio Lower Upper

180 100

182 115.6 46.1 138.3

145 50.4 16.2 48.5#

