

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064228.D
 Acq On : 21 Oct 2020 17:56
 Operator : JC/MD
 Sample : L4413-01DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30688

Quant Time: Oct 22 01:50:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	273807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	470496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	472375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	210713	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	208910	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
35) Dibromofluoromethane	7.55	113	158508	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
50) Toluene-d8	10.06	98	593168	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.38	95	257890	56.06	ug/l	0.00
Spiked Amount			Recovery	=	112.12%	

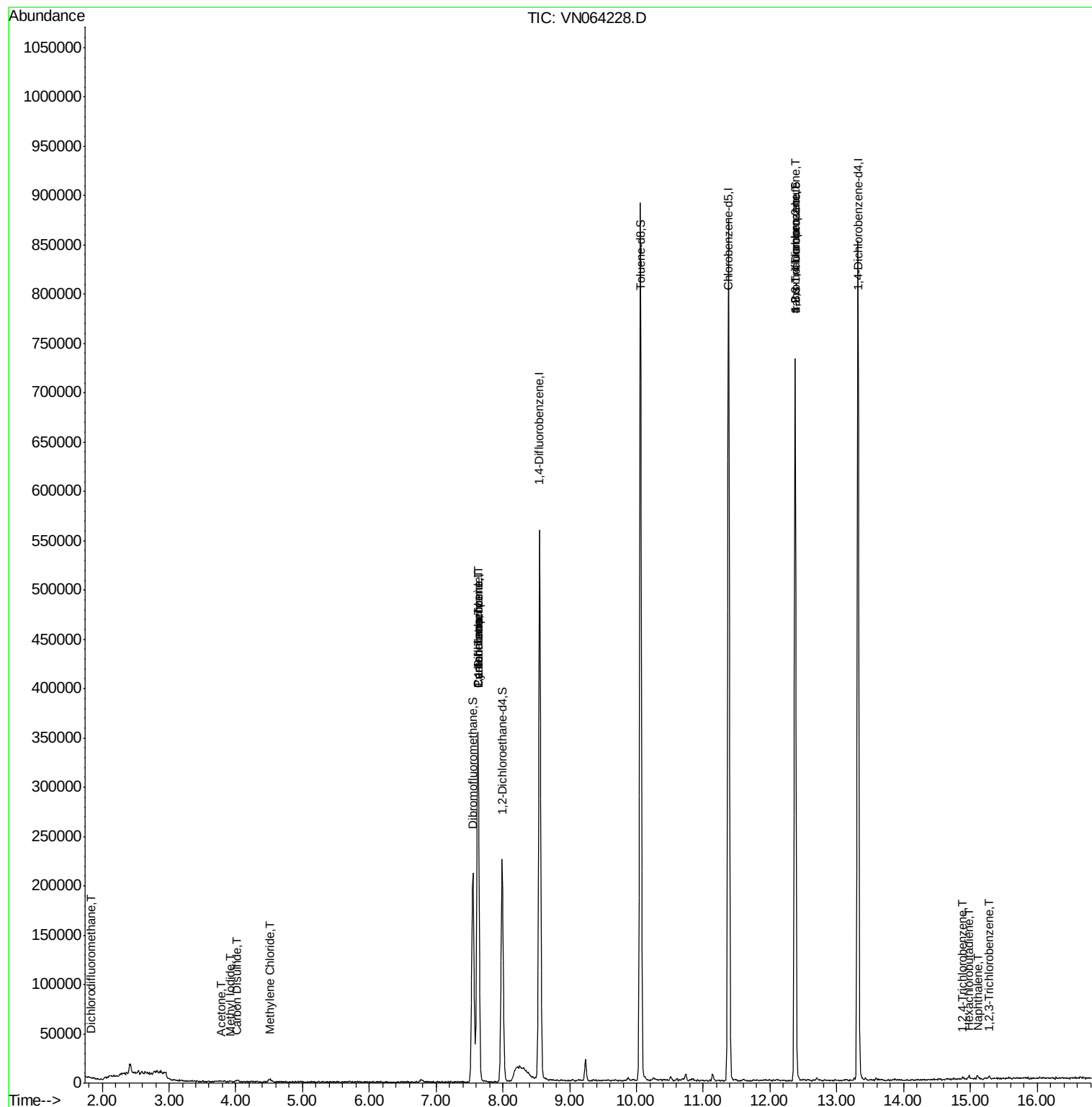
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	98	0.814	ug/l #	41
10) Methyl Iodide	3.92	142	972	0.256	ug/l #	55
16) Acetone	3.78	43	474	0.407	ug/l #	49
17) Carbon Disulfide	4.01	76	1860	0.254	ug/l #	75
20) Methylene Chloride	4.50	84	1832	0.591	ug/l #	73
31) Cyclohexane	7.62	56	6548	1.358	ug/l #	34
36) 1,1-Dichloropropene	7.63	75	22751	4.850	ug/l #	48
38) Carbon Tetrachloride	7.63	117	30224	5.663	ug/l #	14
76) 1,2,3-Trichloropropane	12.38	75	141506	31.855	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	141506	80.425	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.88	180	883	0.238	ug/l #	72
94) Hexachlorobutadiene	14.98	225	796	0.397	ug/l #	65
95) Naphthalene	15.11	128	3553	0.319	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.28	180	953	0.259	ug/l	97

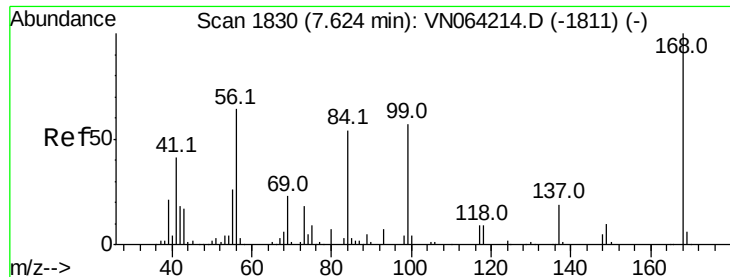
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 2020
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: VN064228.D

Acq: 21 Oct 2020 17:56

Instrument :

MSVOA_N

ClientSampled :

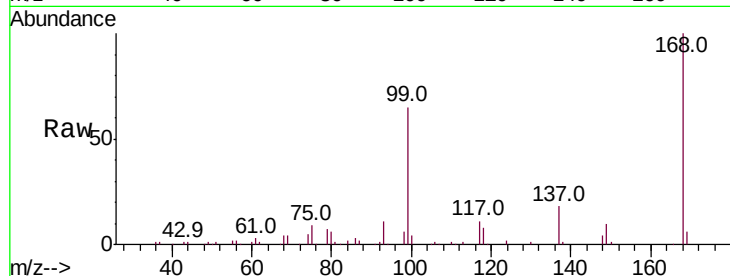
30688

Tot Ion:168 Resp: 273807

Ion Ratio Lower Upper

168 100

99 65.3 54.0 81.0

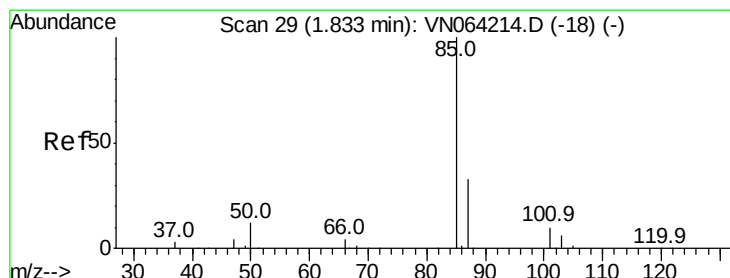
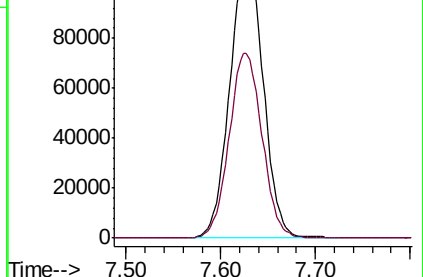
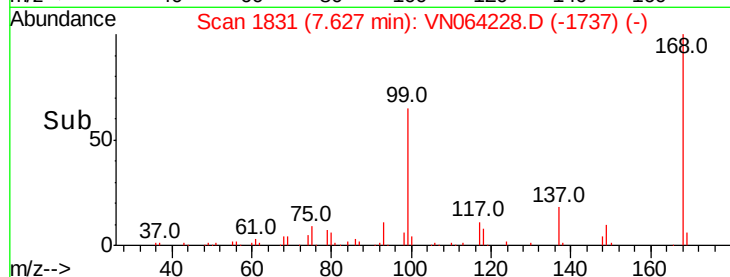


Abundance Ion 167.90 (167.60 to 168.60): VN064214.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064214.D (-1811) (-)

7.63

Time-->



#2

Dichlorodifluoromethane

Concen: 0.814 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064228.D

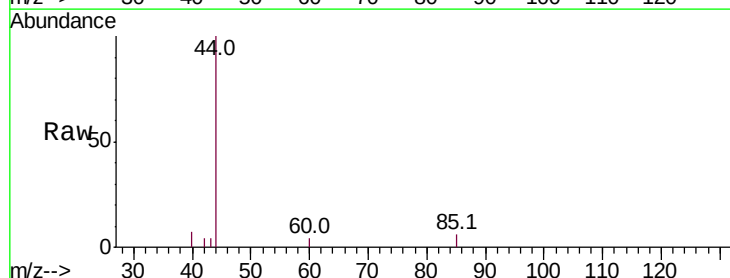
Acq: 21 Oct 2020 17:56

Tgt Ion: 85 Resp: 98

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#

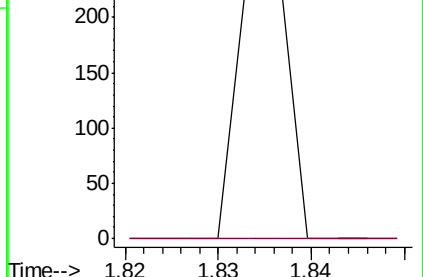
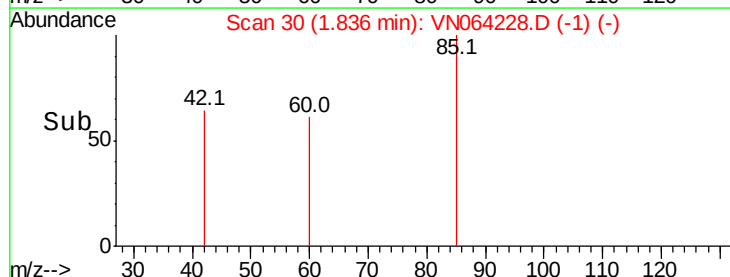


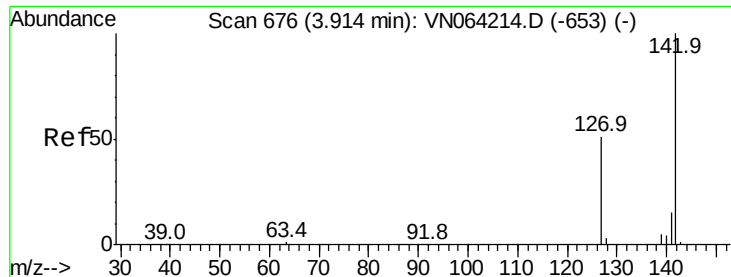
Abundance Ion 84.90 (84.60 to 85.60): VN064214.D (-18) (-)

Ion 86.90 (86.60 to 87.60): VN064214.D (-18) (-)

1.84

Time-->

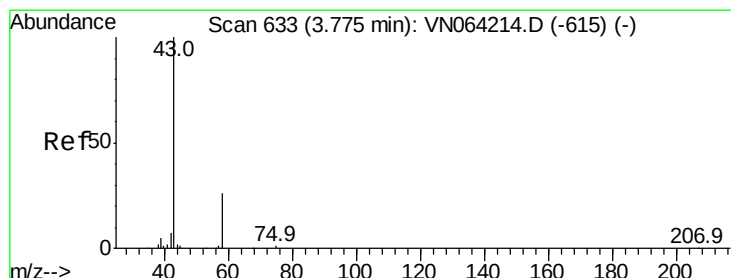
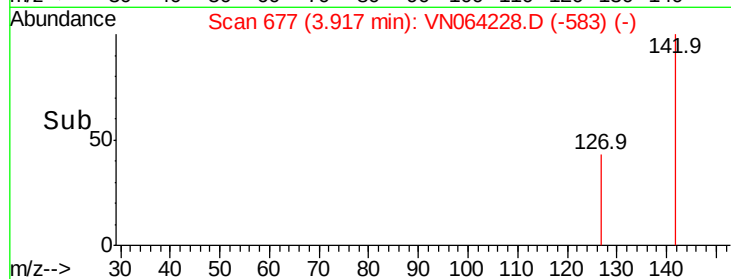
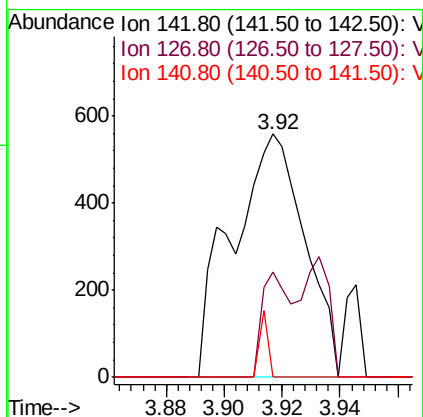
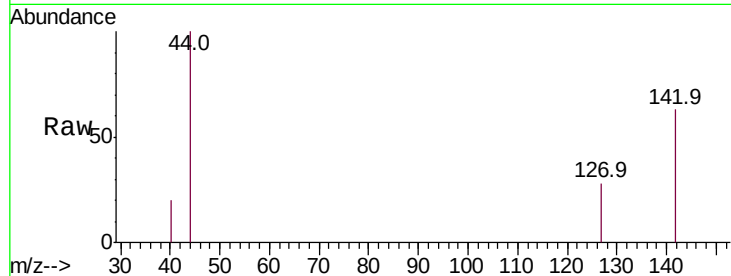




#10
Methvl Iodide
Concen: 0.256 ug/l
RT: 3.92 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN064228.D
Acq: 21 Oct 2020 17:56

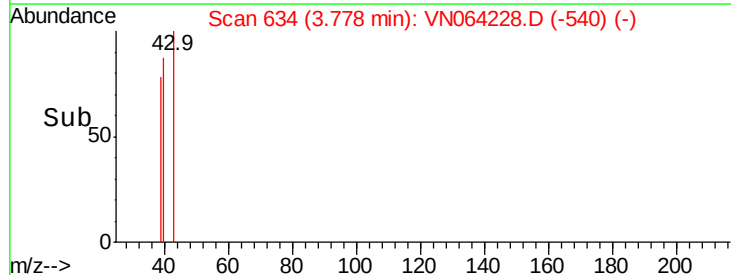
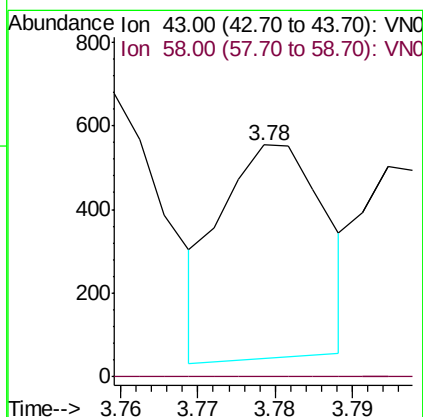
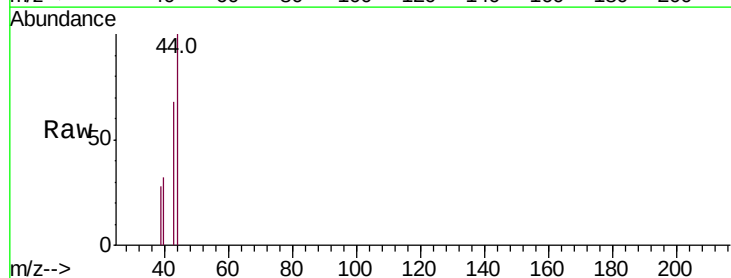
Instrument :
MSVOA_N
ClientSampled :
30688

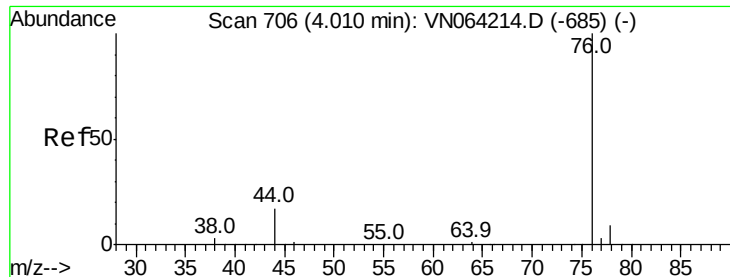
Tot Ion:142 Resp: 972
Ion Ratio Lower Upper
142 100
127 16.3 41.0 61.6#
141 3.0 11.3 16.9#



#16
Acetone
Concen: 0.407 ug/l
RT: 3.78 min Scan# 634
Delta R.T. 0.00 min
Lab File: VN064228.D
Acq: 21 Oct 2020 17:56

Tgt Ion: 43 Resp: 474
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.4#





#17

Carbon Disulfide

Concen: 0.254 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064228.D

Acq: 21 Oct 2020 17:56

Instrument :

MSVOA_N

ClientSampled :

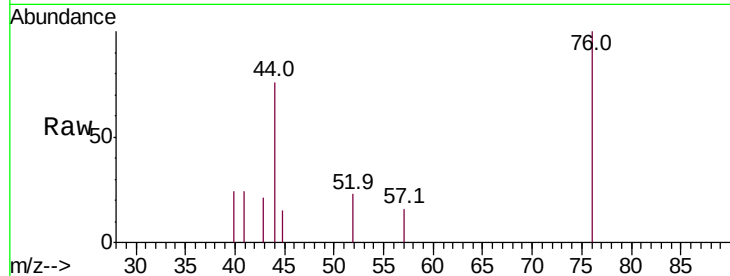
30688

Tot Ion: 76 Resp: 1860

Ion Ratio Lower Upper

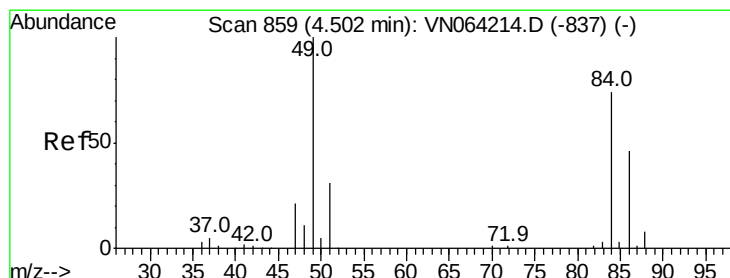
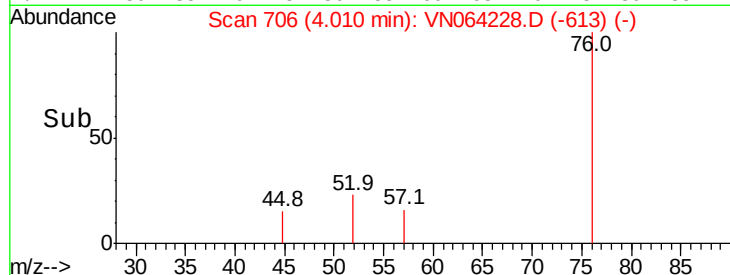
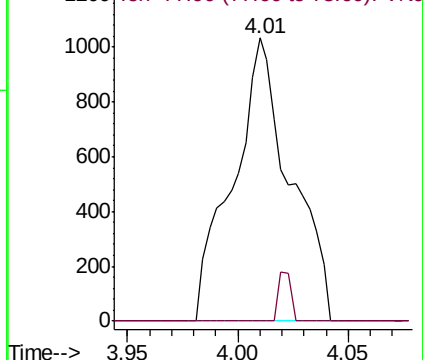
76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#20

Methylene Chloride

Concen: 0.591 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN064228.D

Acq: 21 Oct 2020 17:56

Tgt Ion: 84 Resp: 1832

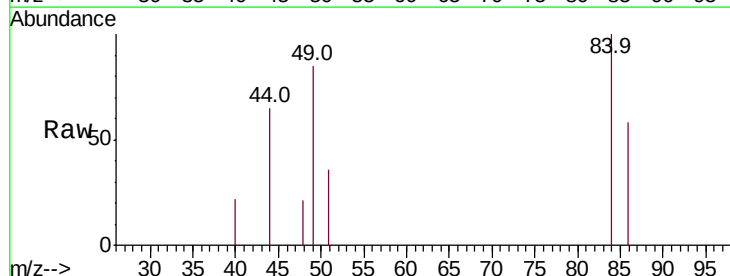
Ion Ratio Lower Upper

84 100

49 85.2 108.5 162.7#

51 35.8 33.8 50.8

86 58.0 50.5 75.7

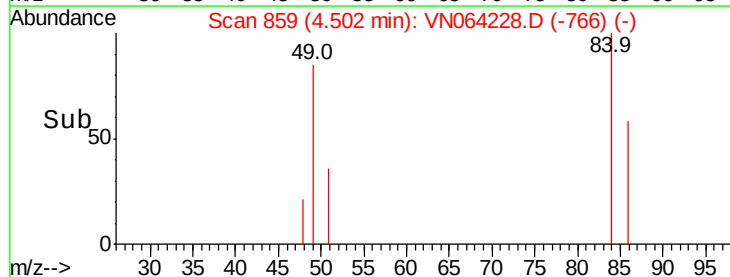
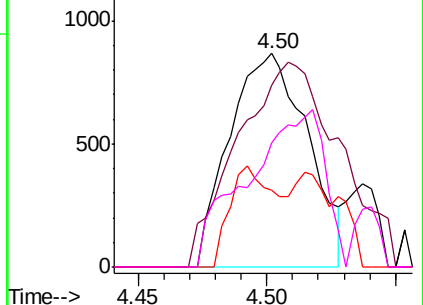


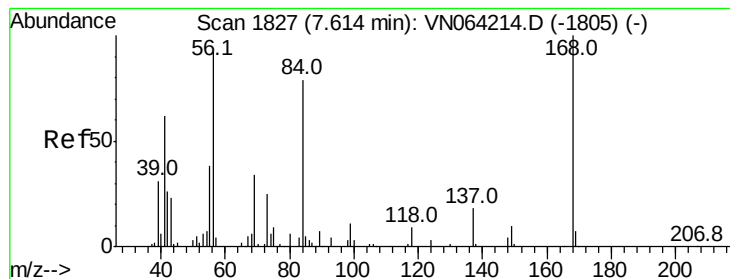
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#31

Cyclohexane

Concen: 1.358 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064228.D

Acq: 21 Oct 2020 17:56

Instrument :

MSVOA_N

ClientSampleId :

30688

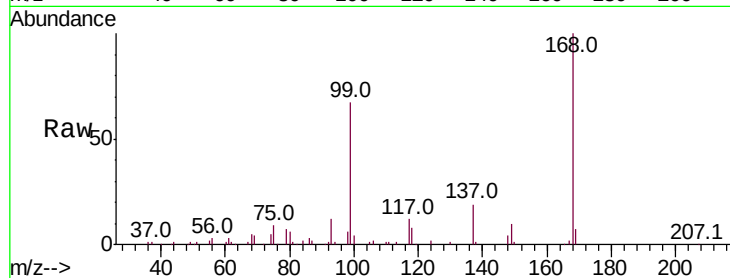
Tot Ion: 56 Resp: 6548

Ion Ratio Lower Upper

56 100

69 165.1 29.8 44.6#

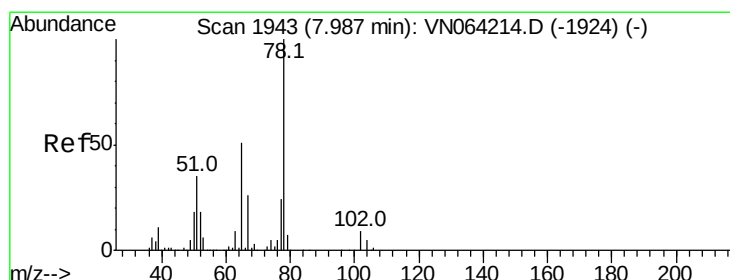
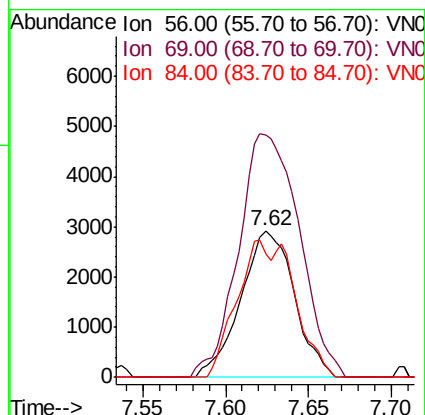
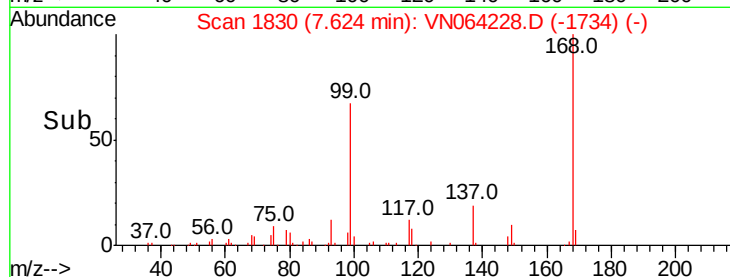
84 84.3 68.1 102.1



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: 51.377 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064228.D

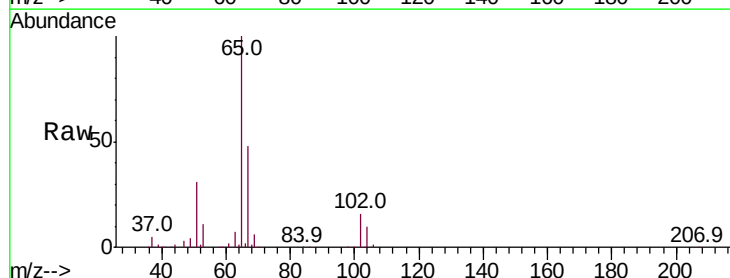
Acq: 21 Oct 2020 17:56

Tgt Ion: 65 Resp: 208910

Ion Ratio Lower Upper

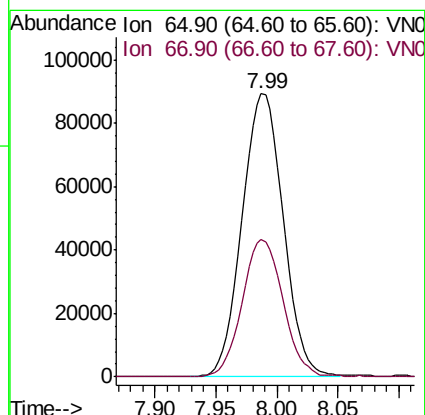
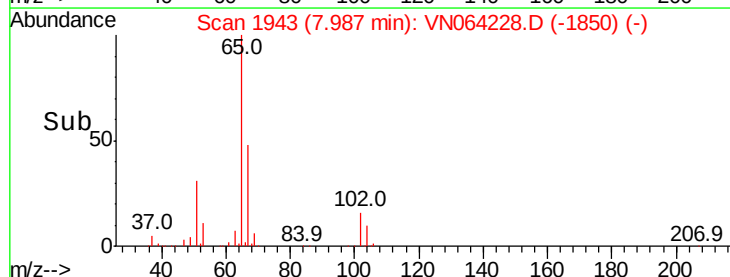
65 100

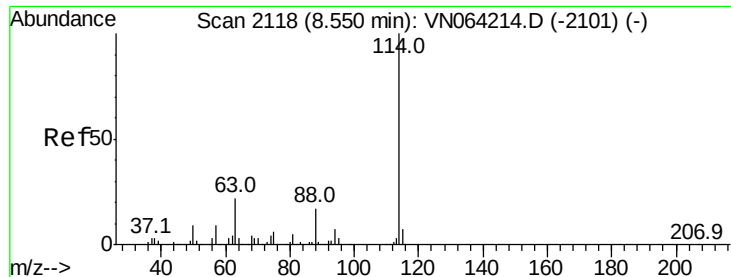
67 48.2 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

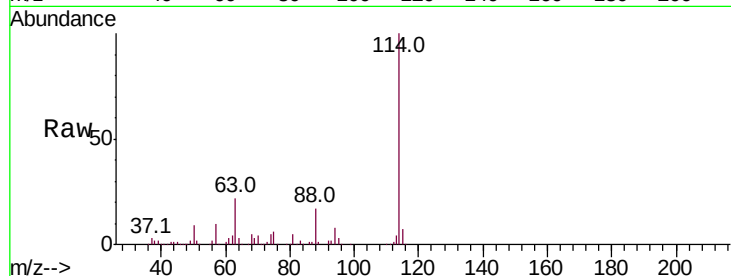




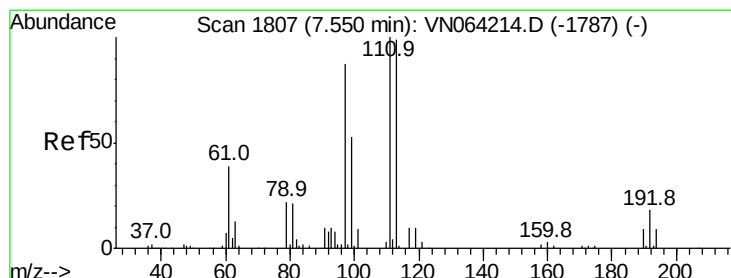
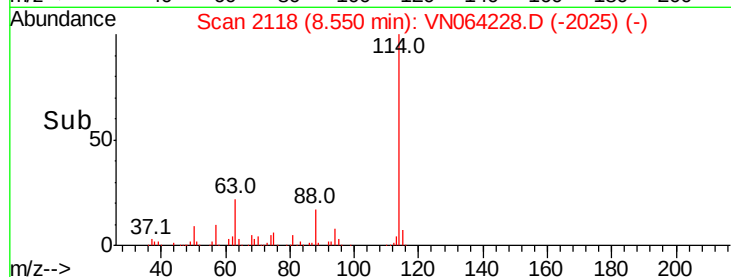
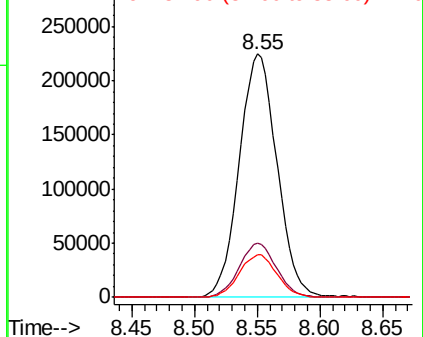
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064228.D
 Acq: 21 Oct 2020 17:56

Instrument :
 MSVOA_N
 ClientSampleId :
 30688

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.0
88	17.4	0.0	34.2

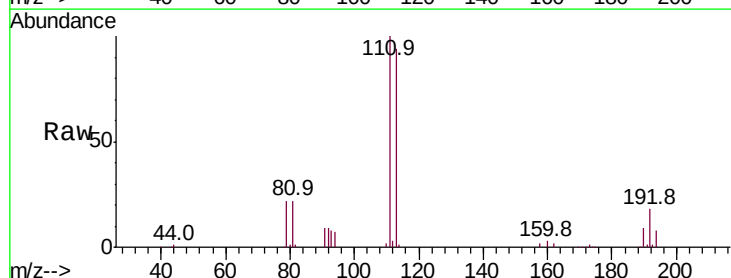


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

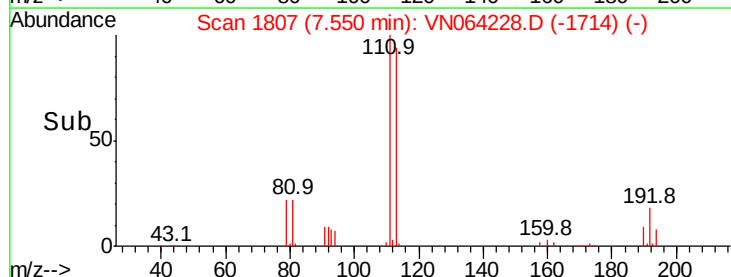
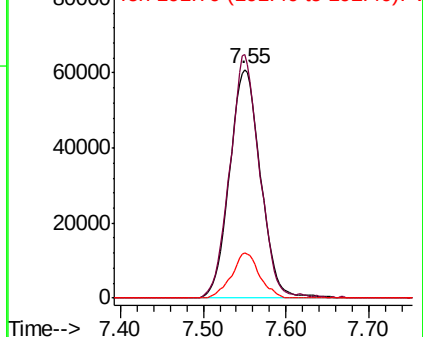


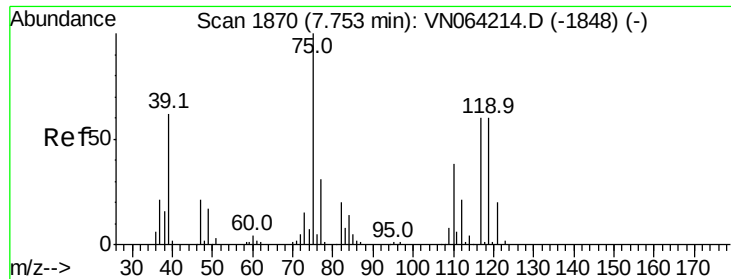
#35
 Dibromofluoromethane
 Concen: 50.673 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN064228.D
 Acq: 21 Oct 2020 17:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.0	84.2	126.2
192	17.9	15.2	22.8



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

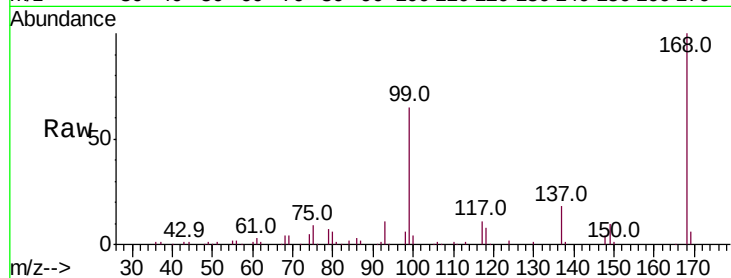




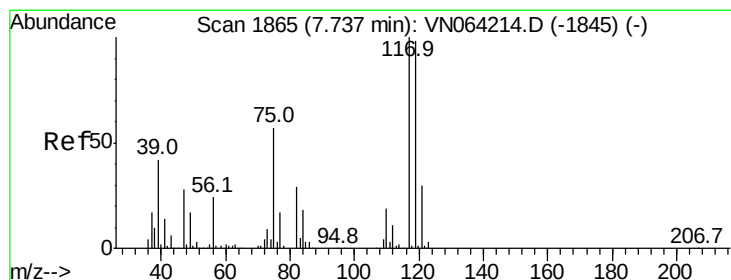
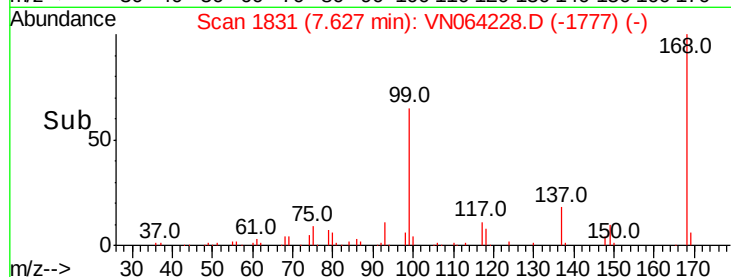
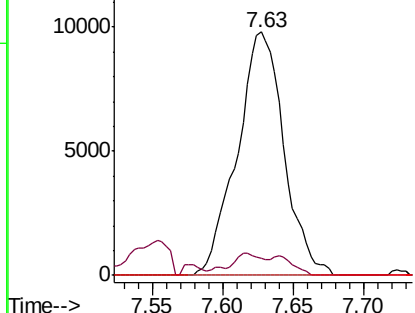
#36
 1,1-Dichloropropene
 Concen: 4.850 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064228.D
 Acq: 21 Oct 2020 17:56

Instrument :
 MSVOA_N
 ClientSampled :
 30688

Tot Ion: 75 Resp: 22751
 Ion Ratio Lower Upper
 75 100
 110 6.3 17.2 51.6#
 77 0.0 24.9 37.3#

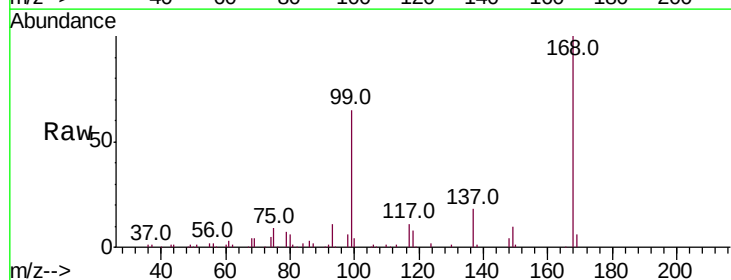


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

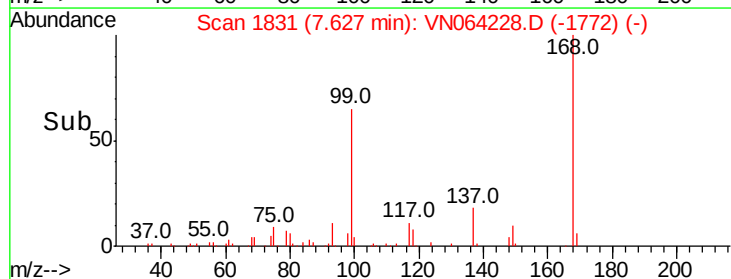
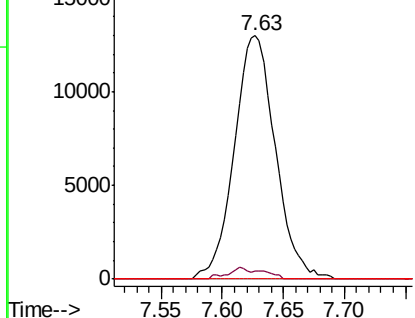


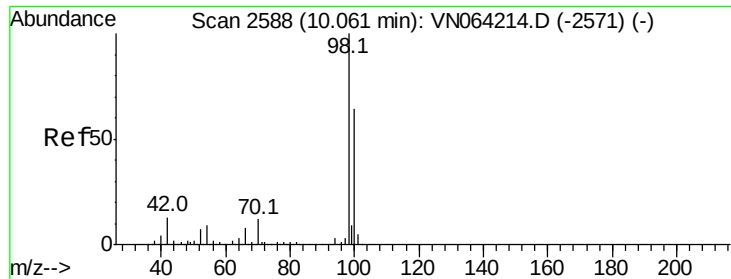
#38
 Carbon Tetrachloride
 Concen: 5.663 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064228.D
 Acq: 21 Oct 2020 17:56

Tgt Ion: 117 Resp: 30224
 Ion Ratio Lower Upper
 117 100
 119 3.4 78.5 117.7#
 121 0.0 24.3 36.5#



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





#50

Toluene-d8

Concen: 52.275 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN064228.D

Acq: 21 Oct 2020 17:56

Instrument :

MSVOA_N

ClientSampled :

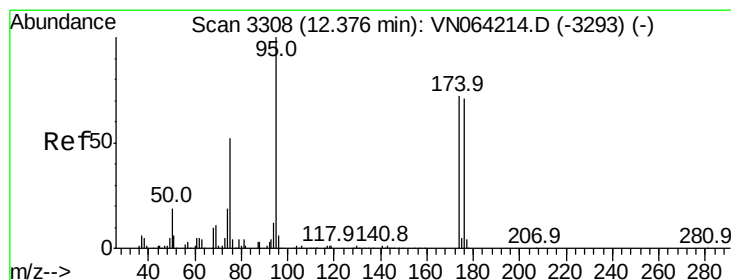
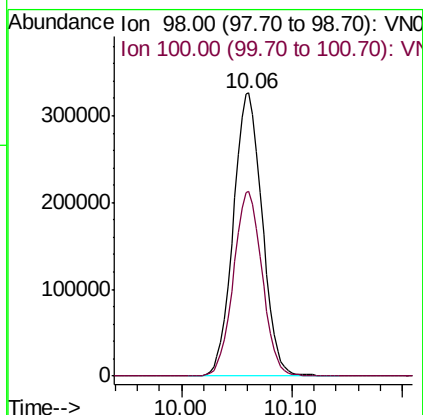
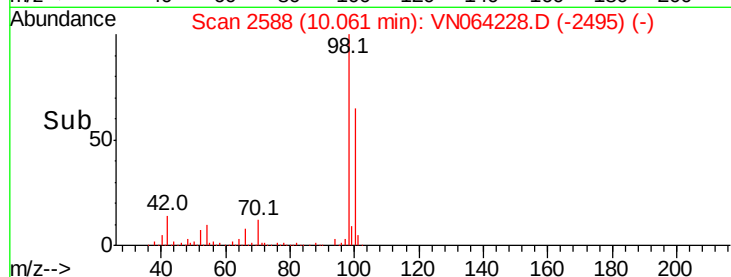
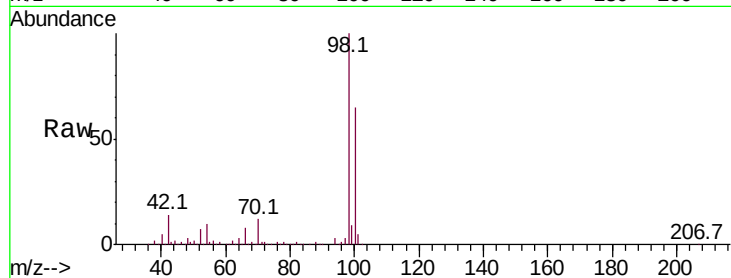
30688

Tot Ion: 98 Resp: 593168

Ion Ratio Lower Upper

98 100

100 64.7 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 56.063 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064228.D

Acq: 21 Oct 2020 17:56

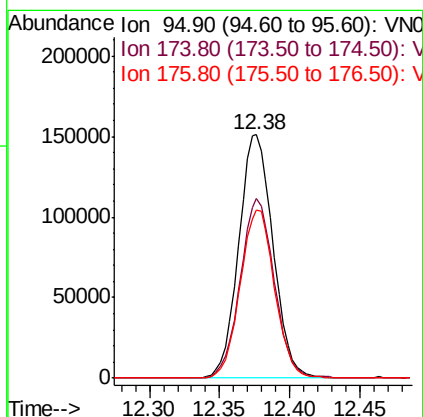
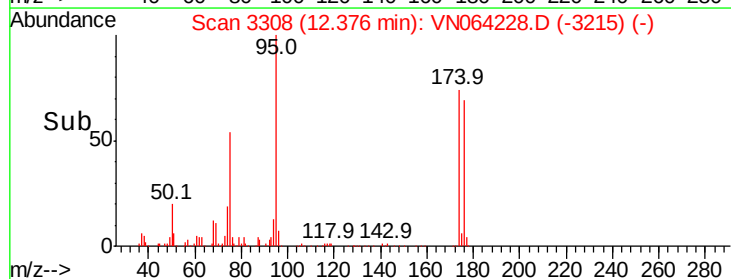
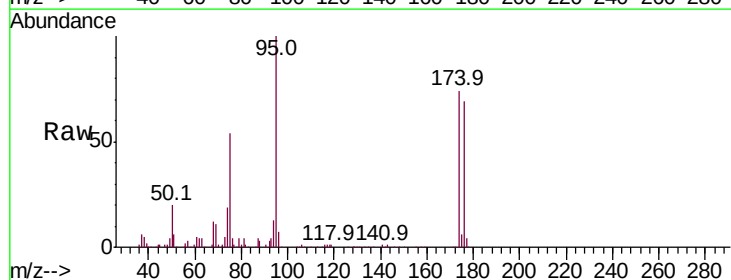
Tgt Ion: 95 Resp: 257890

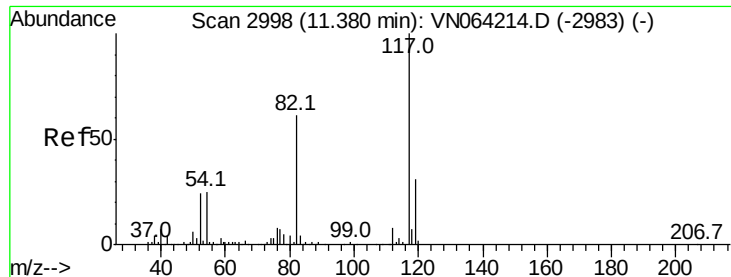
Ion Ratio Lower Upper

95 100

174 73.2 0.0 144.4

176 69.2 0.0 139.2

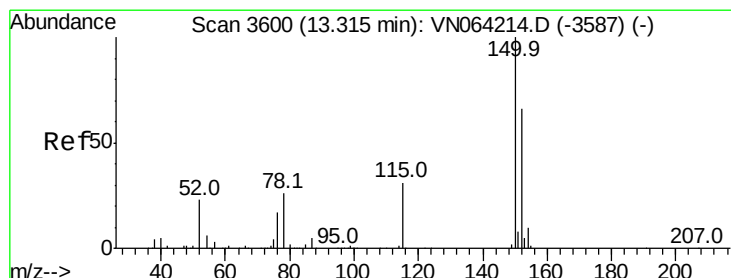
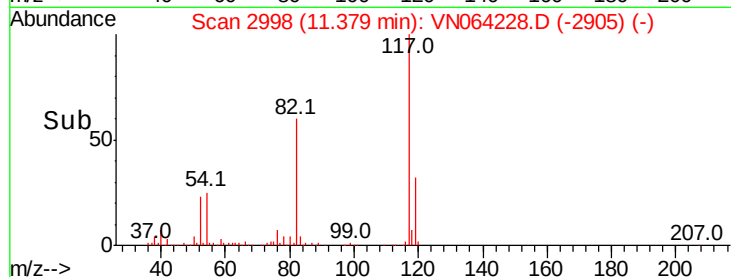
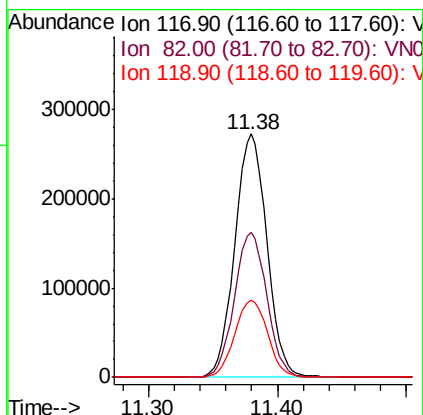
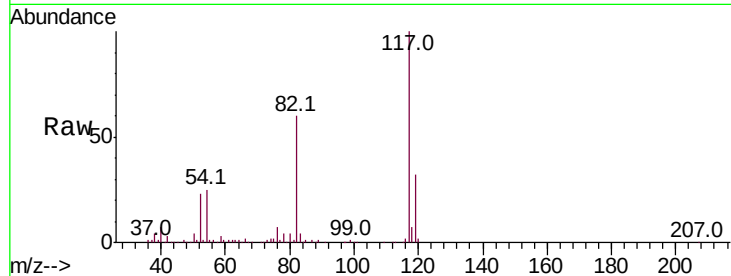




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064228.D
Acq: 21 Oct 2020 17:56

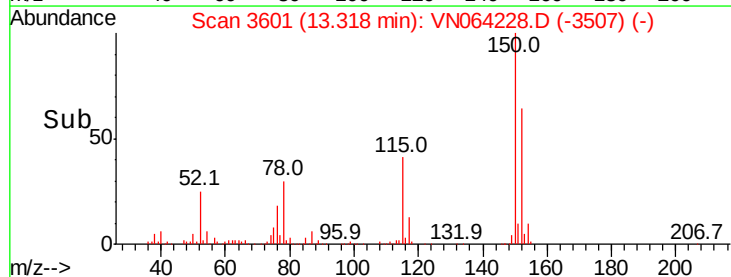
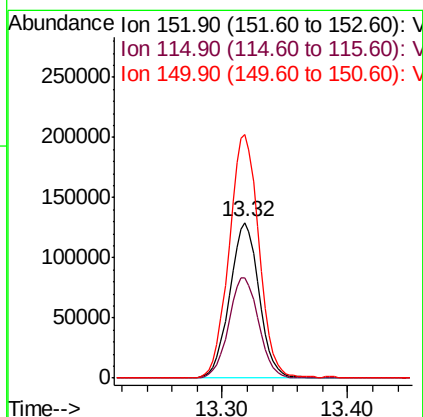
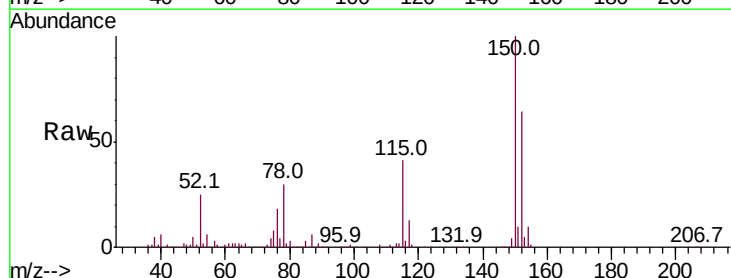
Instrument :
MSVOA_N
ClientSampled :
30688

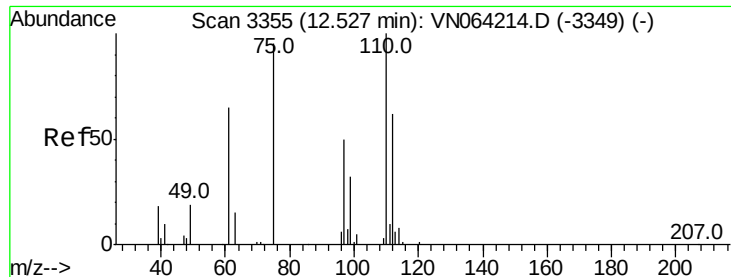
Tot Ion:117 Resp: 472375
Ion Ratio Lower Upper
117 100
82 59.8 48.8 73.2
119 31.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064228.D
Acq: 21 Oct 2020 17:56

Tgt Ion:152 Resp: 210713
Ion Ratio Lower Upper
152 100
115 65.9 32.0 96.2
150 158.9 0.0 356.6





#76

1,2,3-Trichloropropane

Concen: 31.855 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064228.D

Acq: 21 Oct 2020 17:56

Instrument :

MSVOA_N

ClientSampled :

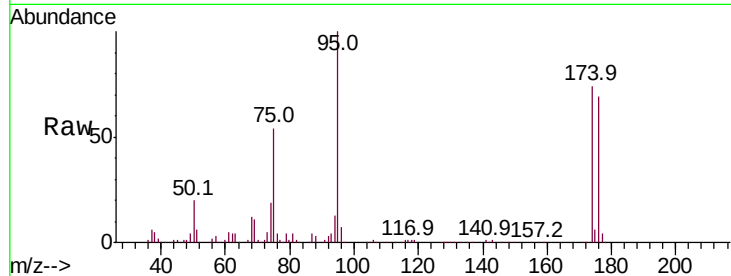
30688

Tot Ion: 75 Resp: 141506

Ion Ratio Lower Upper

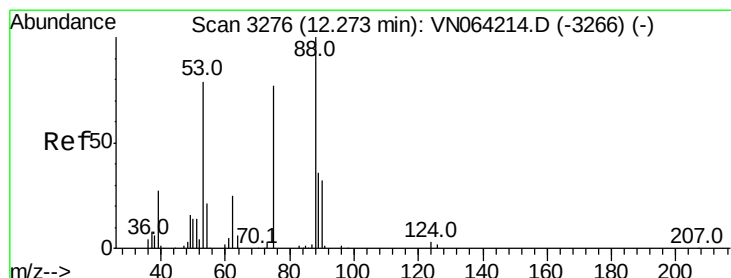
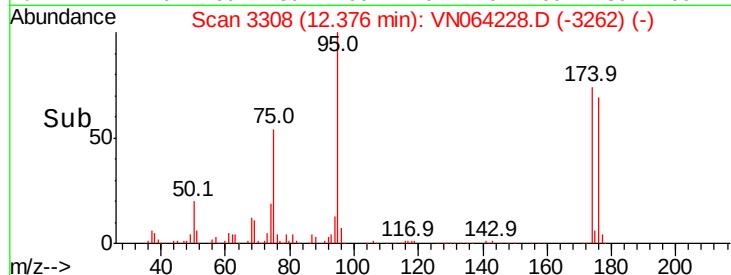
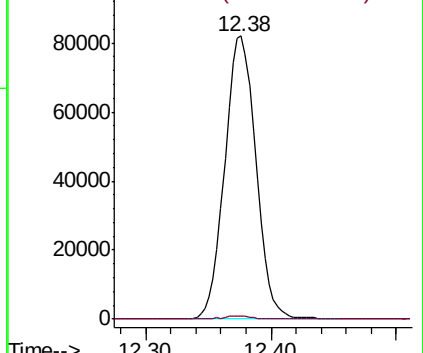
75 100

77 1.0 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: 80.425 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064228.D

Acq: 21 Oct 2020 17:56

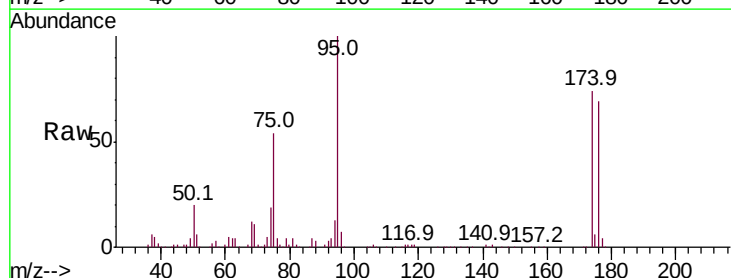
Tgt Ion: 75 Resp: 141506

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

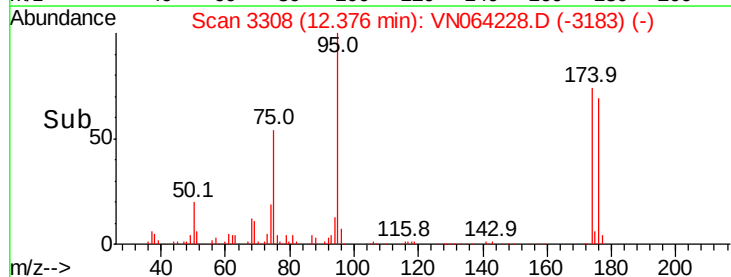
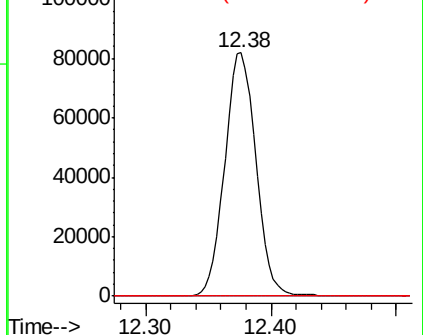
89 0.0 38.7 58.1#

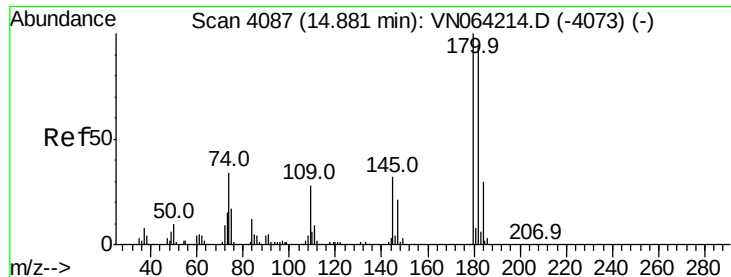


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

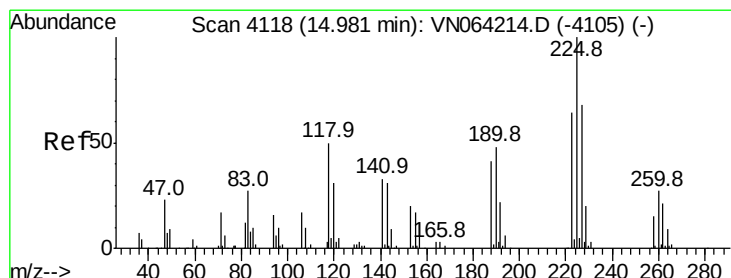
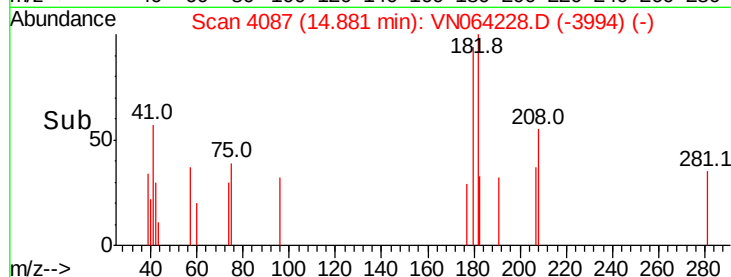
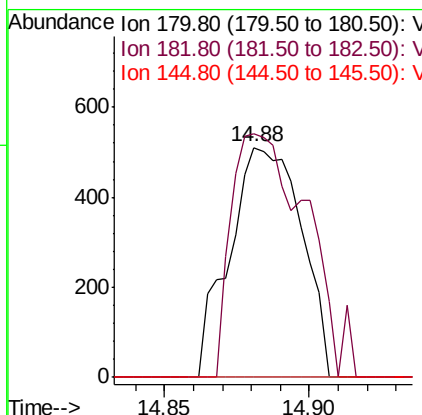
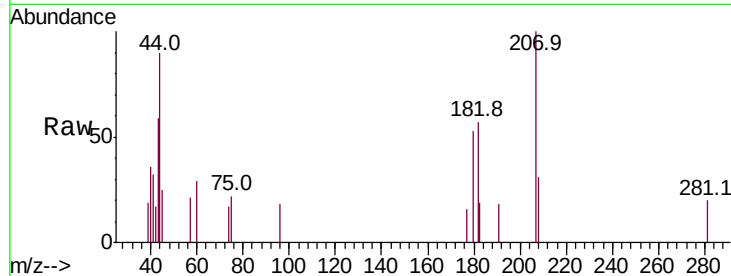




#93
 1,2,4-Trichlorobenzene
 Concen: 0.238 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064228.D
 Acq: 21 Oct 2020 17:56

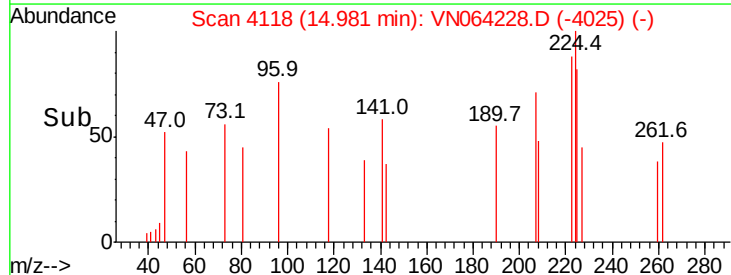
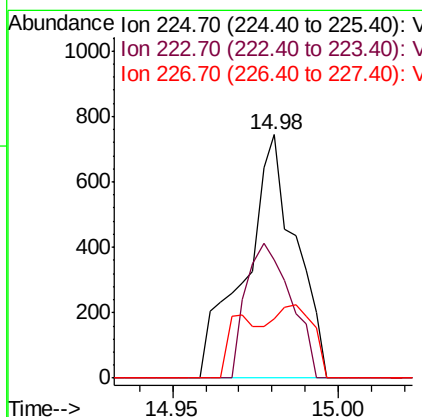
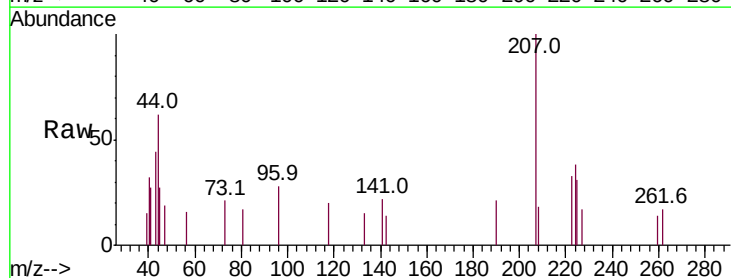
Instrument :
 MSVOA_N
 ClientSampled :
 30688

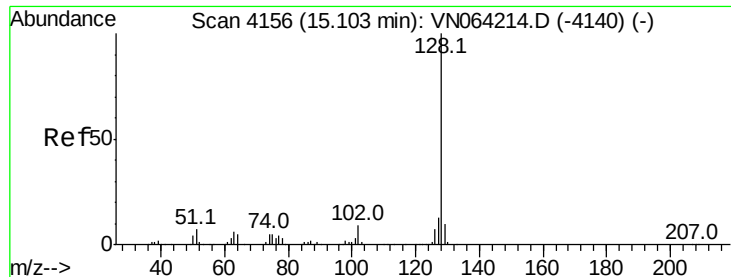
Tot Ion:180 Resp: 883
 Ion Ratio Lower Upper
 180 100
 182 110.5 46.9 140.7
 145 0.0 16.1 48.3#



#94
 Hexachlorobutadiene
 Concen: 0.397 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064228.D
 Acq: 21 Oct 2020 17:56

Tgt Ion:225 Resp: 796
 Ion Ratio Lower Upper
 225 100
 223 49.0 31.5 94.5
 227 23.5 32.1 96.5#





#95

Naphthalene

Concen: 0.319 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064228.D

Acq: 21 Oct 2020 17:56

Instrument :

MSVOA_N

ClientSampled :

30688

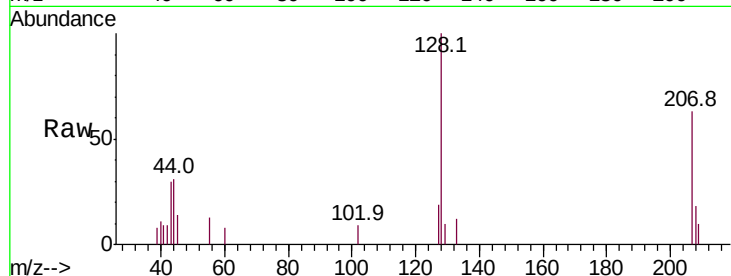
Tot Ion:128 Resp: 3553

Ion Ratio Lower Upper

128 100

127 10.8 10.5 15.7

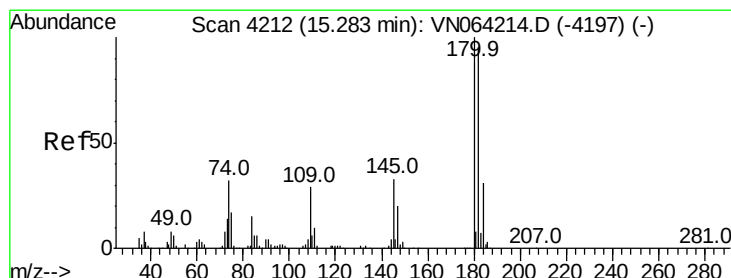
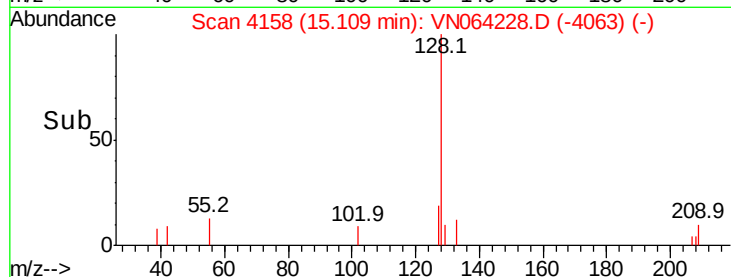
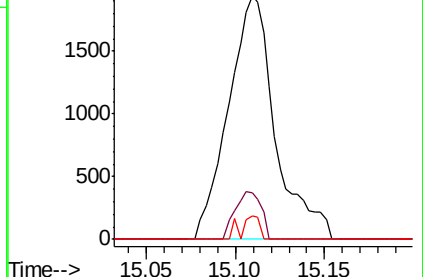
129 3.7 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.259 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064228.D

Acq: 21 Oct 2020 17:56

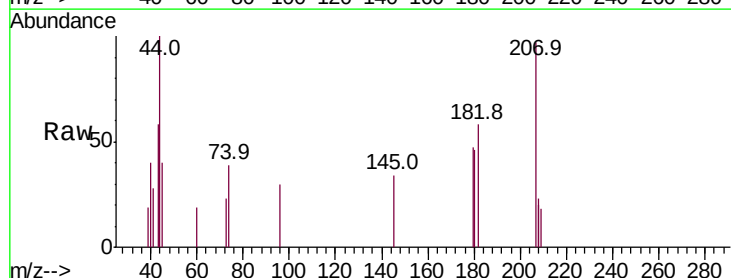
Tgt Ion:180 Resp: 953

Ion Ratio Lower Upper

180 100

182 96.3 48.0 144.2

145 40.2 17.1 51.3



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

