

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120920\
 Data File : VN065011.D
 Acq On : 9 Dec 2020 11:13
 Operator : JC/MD
 Sample : VN1209WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBL01

Quant Time: Dec 10 04:06:16 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	167853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	313521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	309131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	106975	54.82	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	109.64%		
35) Dibromofluoromethane	7.54	113	100914	53.79	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	107.58%		
50) Toluene-d8	10.05	98	378046	49.32	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.64%		
62) 4-Bromofluorobenzene	12.37	95	137231	50.03	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.06%		

Target Compounds

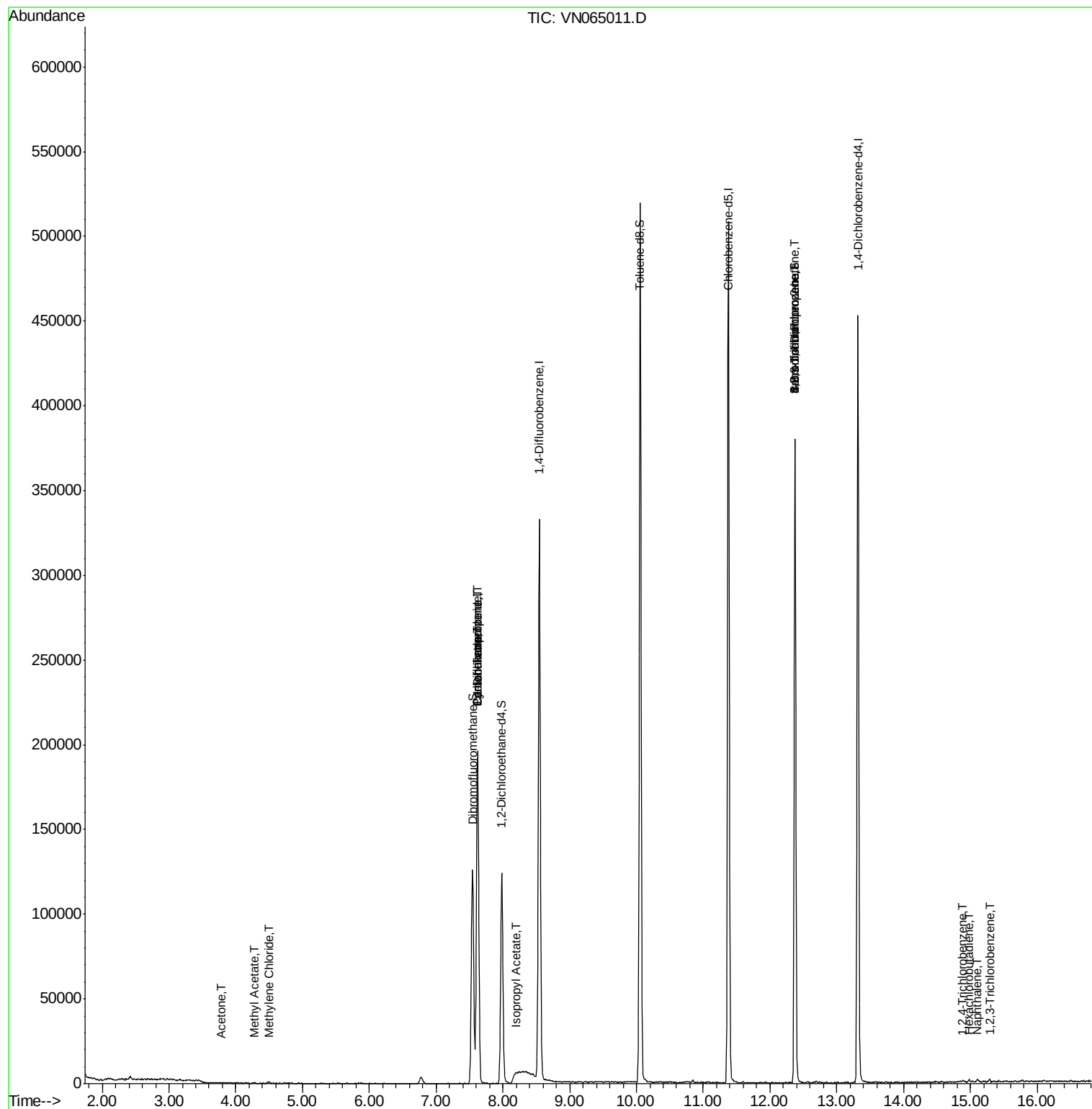
					Qvalue	
16) Acetone	3.77	43	348	0.542	ug/l #	43
18) Methyl Acetate	4.28	43	597	0.310	ug/l #	50
20) Methylene Chloride	4.50	84	458	0.228	ug/l #	45
31) Cyclohexane	7.61	56	3007	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11737	4.039	ug/l #	49
38) Carbon Tetrachloride	7.62	117	15514	5.131	ug/l #	17
43) Isopropyl Acetate	8.19	43	6012	1.335	ug/l #	59
71) Bromoform	12.38	173	763	0.392	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	63954	22.796	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	63954	62.478	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.89	180	553	0.210	ug/l #	82
94) Hexachlorobutadiene	14.98	225	550	0.832	ug/l	81
95) Naphthalene	15.11	128	2191	0.277	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.28	180	547	1.604	ug/l	71

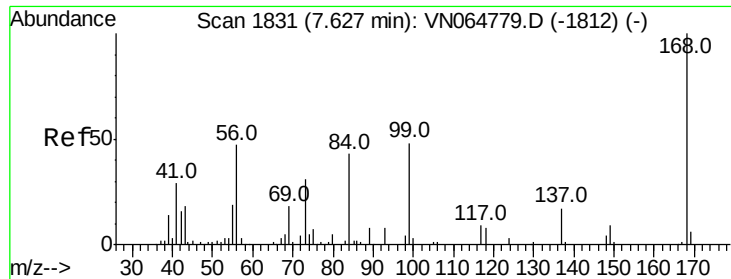
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VN065011.D

Acq: 9 Dec 2020 11:13

Instrument :

MSVOA_N

ClientSampleId :

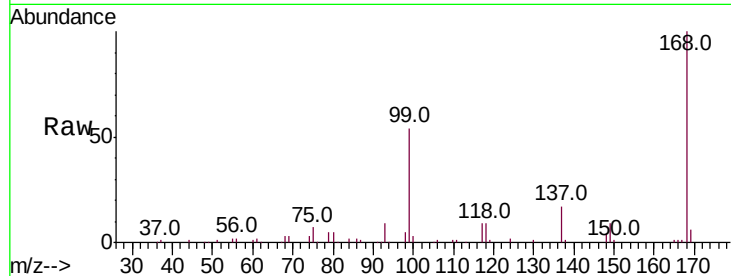
VN1209WBL01

Tot Ion:168 Resp: 167853

Ion Ratio Lower Upper

168 100

99 54.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

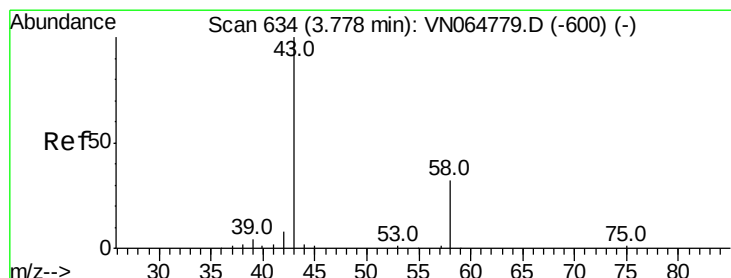
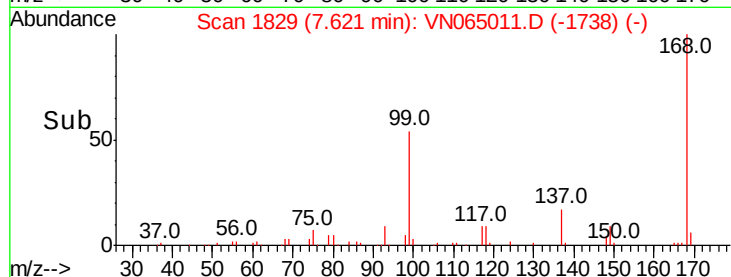
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 0.542 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN065011.D

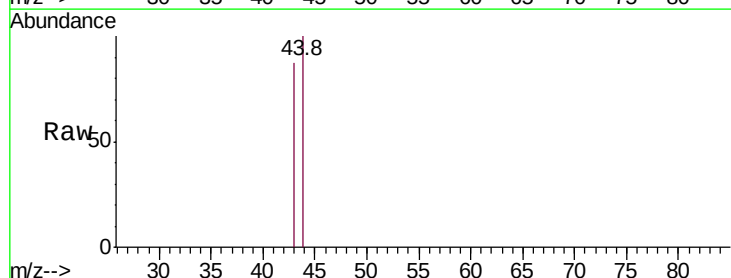
Acq: 9 Dec 2020 11:13

Tgt Ion: 43 Resp: 348

Ion Ratio Lower Upper

43 100

58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.77

300

250

200

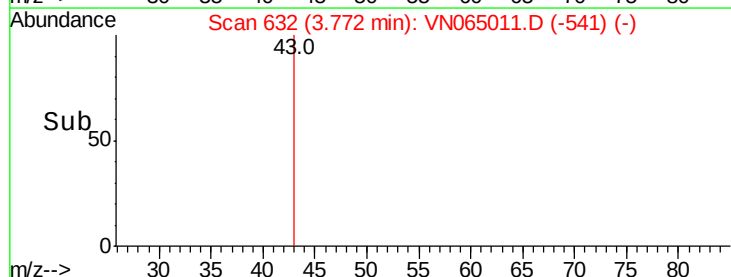
150

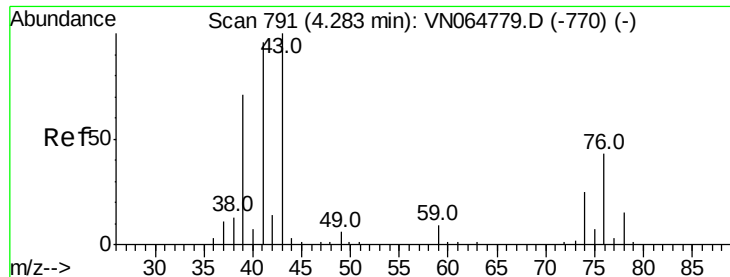
100

50

0

Time--> 3.76 3.78 3.80

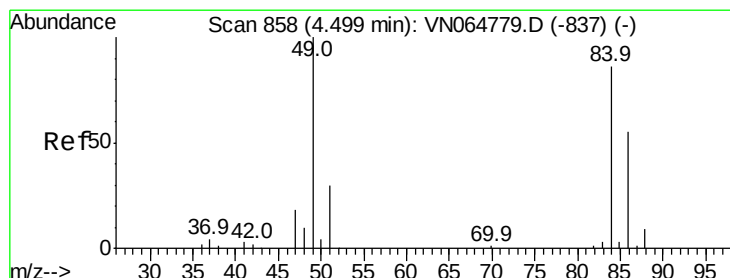
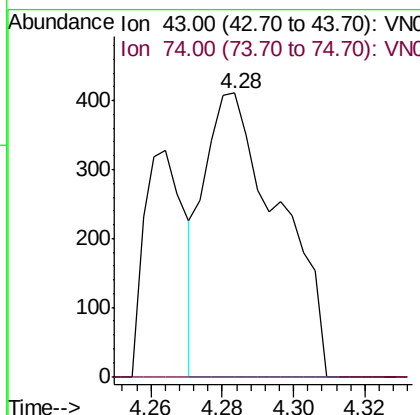
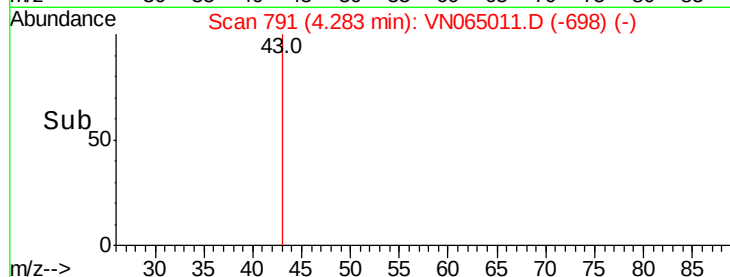
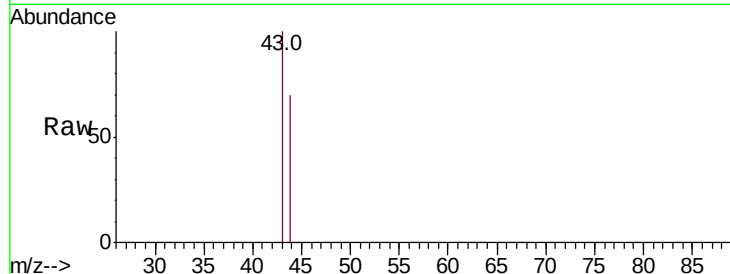




#18
Methyl Acetate
Concen: 0.310 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN065011.D
Acq: 9 Dec 2020 11:13

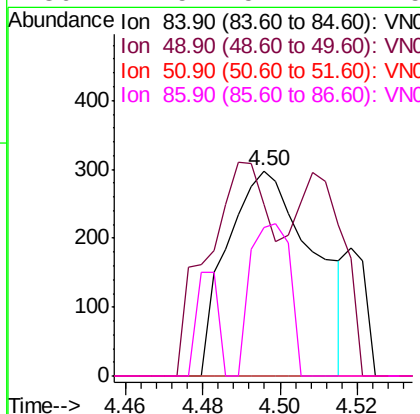
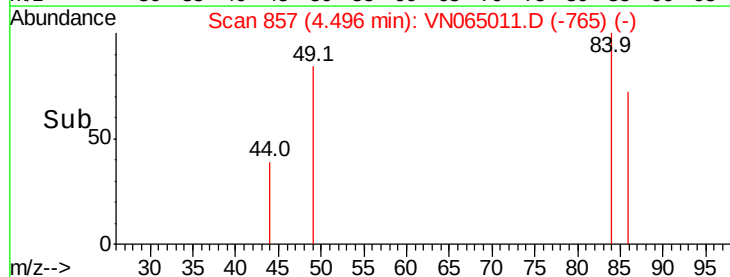
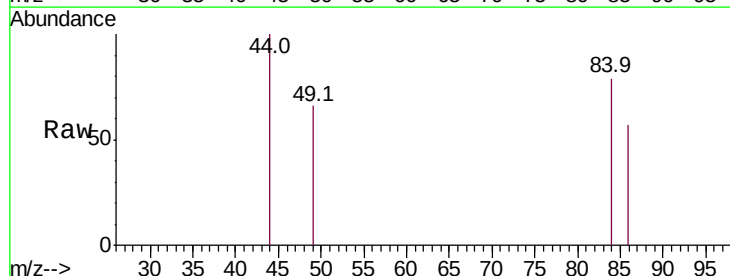
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

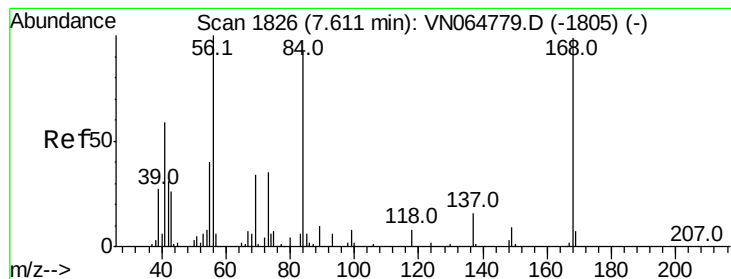
Tot Ion: 43 Resp: 597
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 0.228 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN065011.D
Acq: 9 Dec 2020 11:13

Tgt Ion: 84 Resp: 458
Ion Ratio Lower Upper
84 100
49 30.5 93.4 140.0#
51 0.0 28.2 42.4#
86 72.5 51.7 77.5





#31

Cyclohexane

Concen: 1.106 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN065011.D

Acq: 9 Dec 2020 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBL01

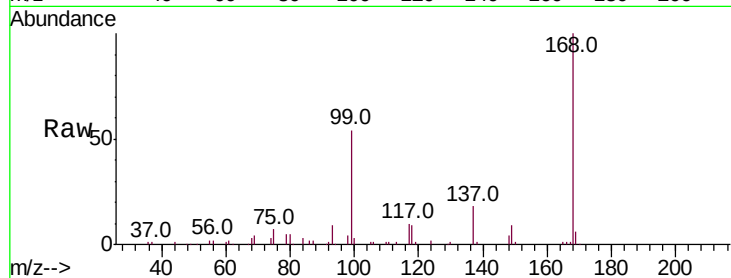
Tot Ion: 56 Resp: 3007

Ion Ratio Lower Upper

56 100

69 192.3 27.5 41.3#

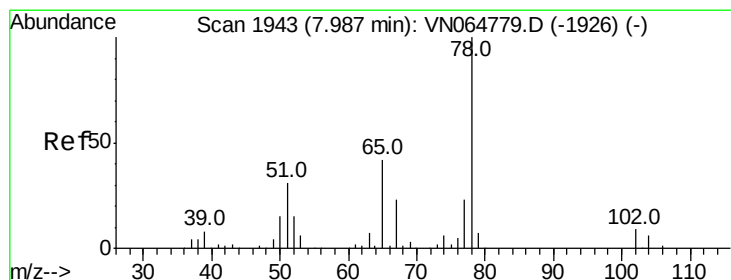
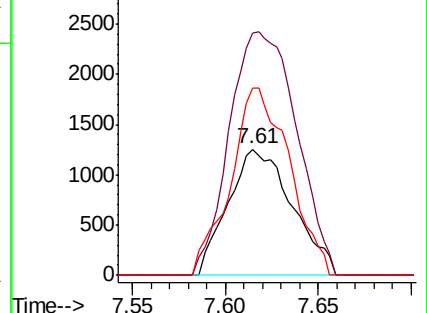
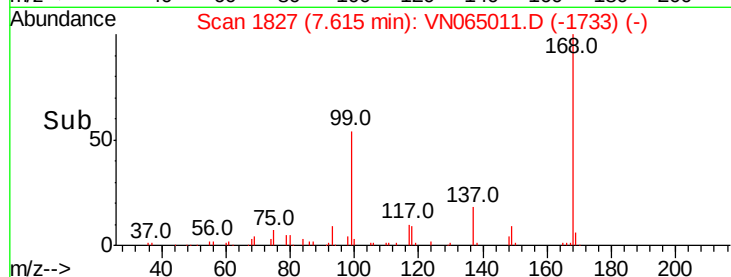
84 148.6 73.9 110.9#



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: 54.820 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN065011.D

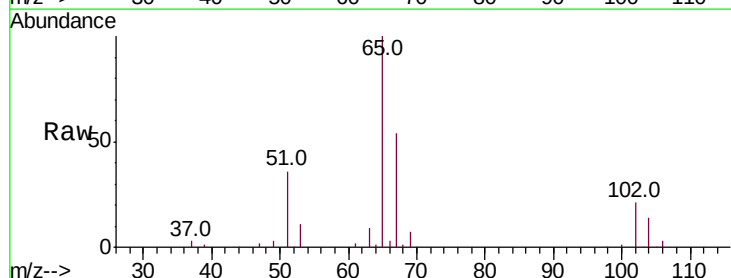
Acq: 9 Dec 2020 11:13

Tgt Ion: 65 Resp: 106975

Ion Ratio Lower Upper

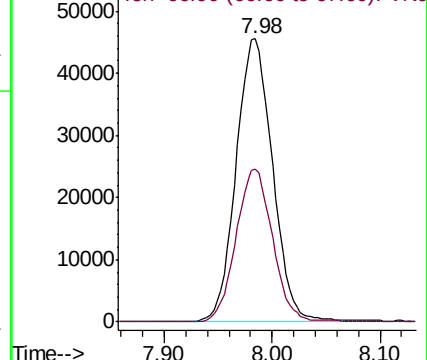
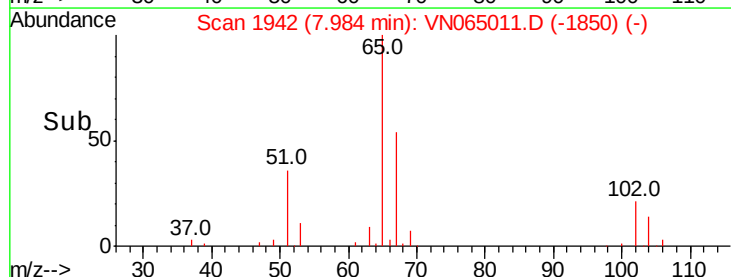
65 100

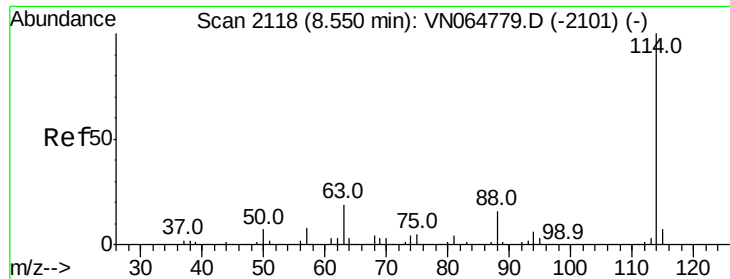
67 54.1 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

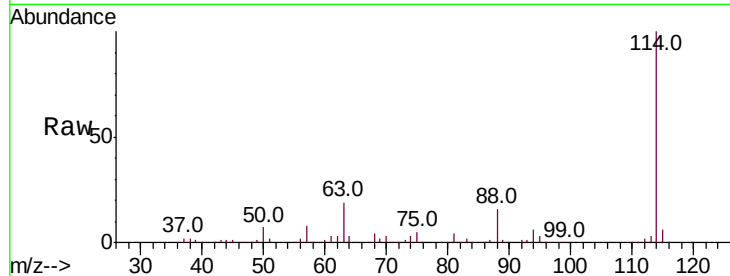




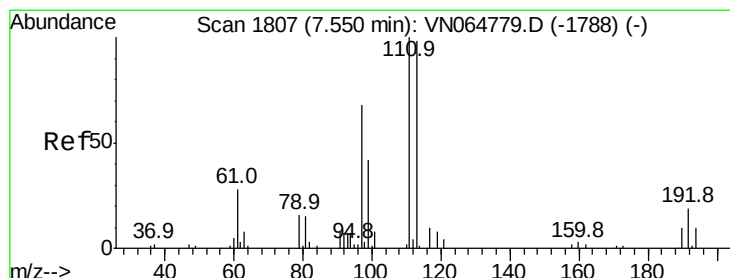
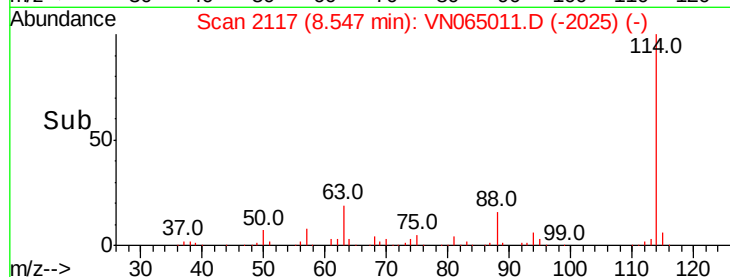
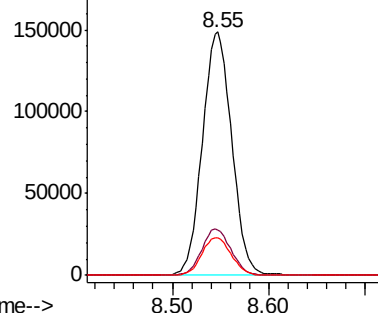
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN065011.D
 Acq: 9 Dec 2020 11:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	38.6
88	15.6	0.0	32.6

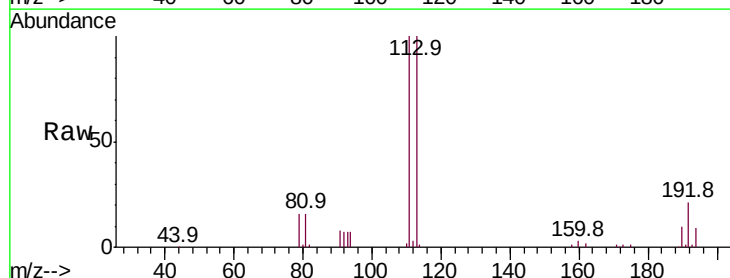


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

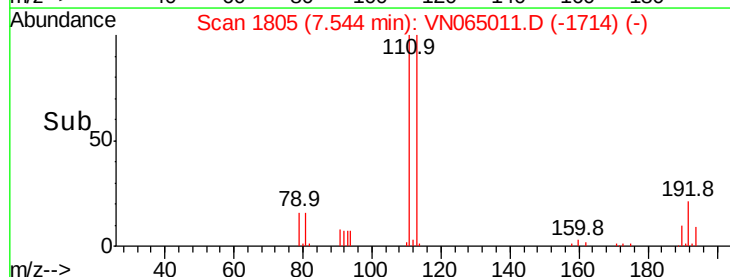
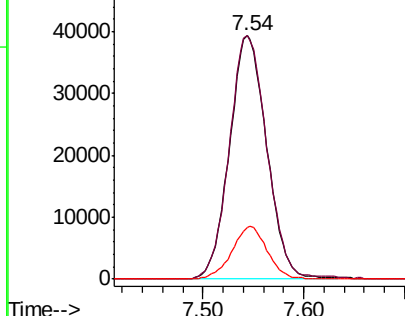


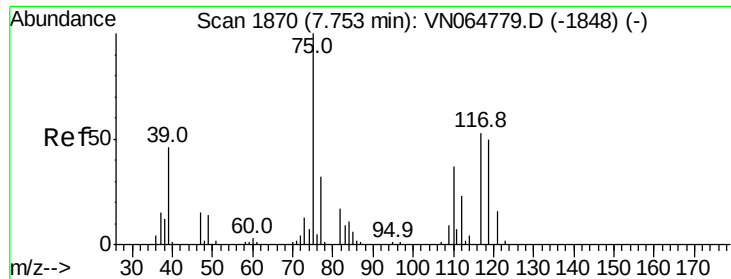
#35
 Dibromofluoromethane
 Concen: 53.792 ug/l
 RT: 7.54 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: VN065011.D
 Acq: 9 Dec 2020 11:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.6	122.4
192	20.5	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

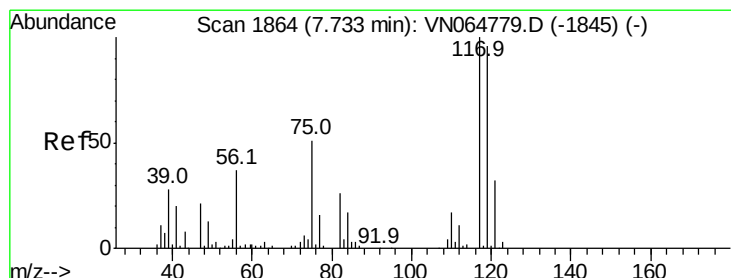
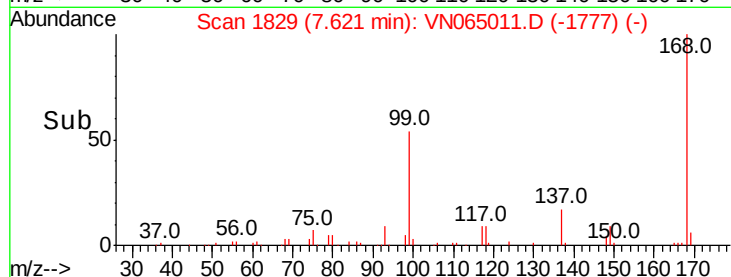
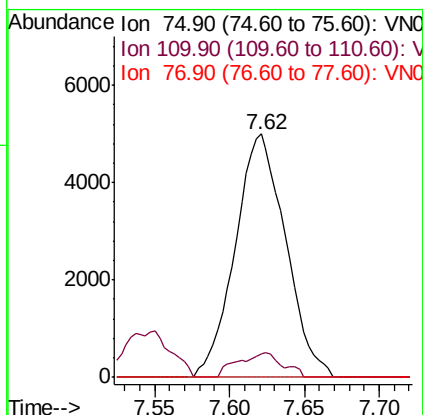
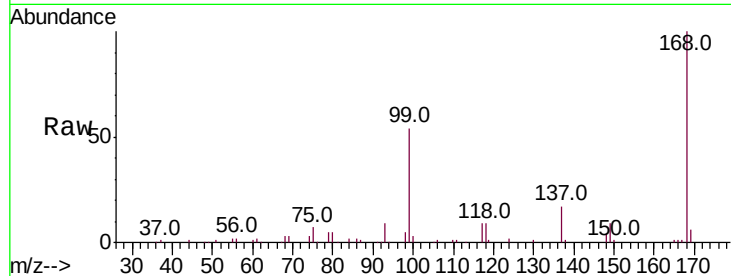




#36
 1,1-Dichloropropene
 Concen: 4.039 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN065011.D
 Acq: 9 Dec 2020 11:13

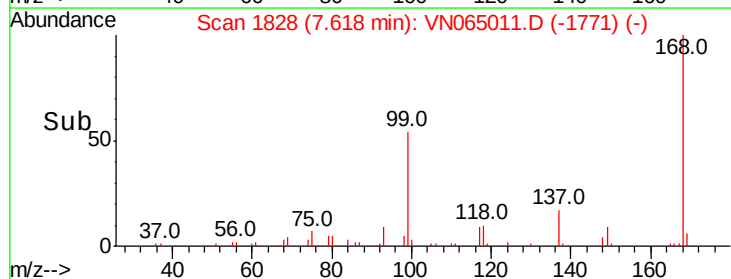
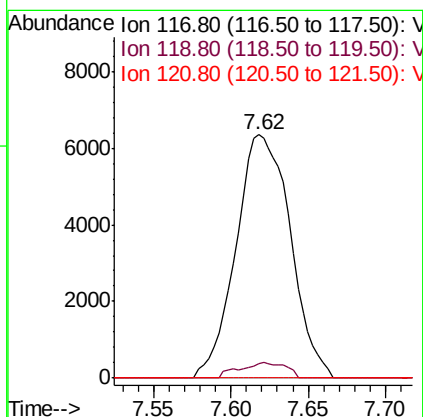
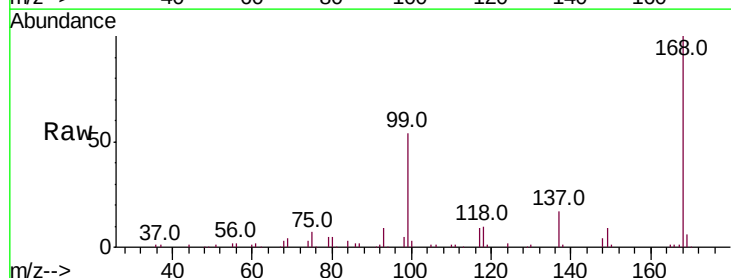
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBL01

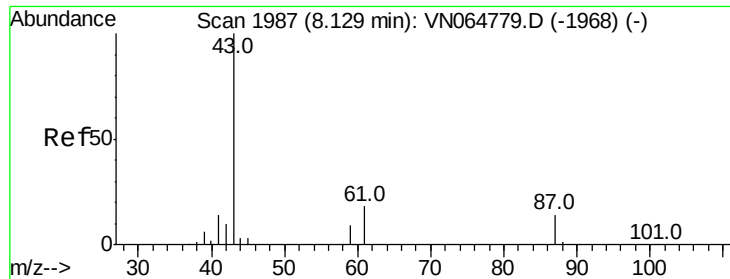
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.8	53.3#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.131 ug/l
 RT: 7.62 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN065011.D
 Acq: 9 Dec 2020 11:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.7	115.1#
121	0.0	25.4	38.2#





#43

Isopropyl Acetate

Concen: 1.335 ug/l

RT: 8.19 min Scan# 2007

Delta R.T. 0.06 min

Lab File: VN065011.D

Acq: 9 Dec 2020 11:13

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBL01

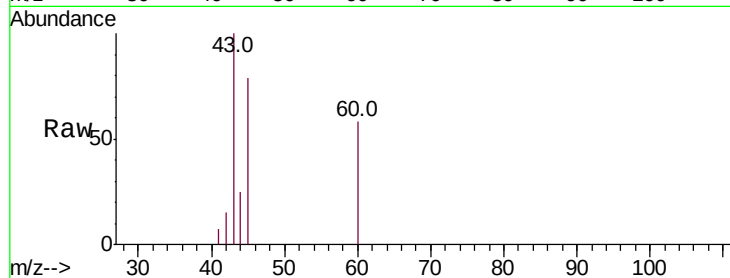
Tot Ion: 43 Resp: 6012

Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

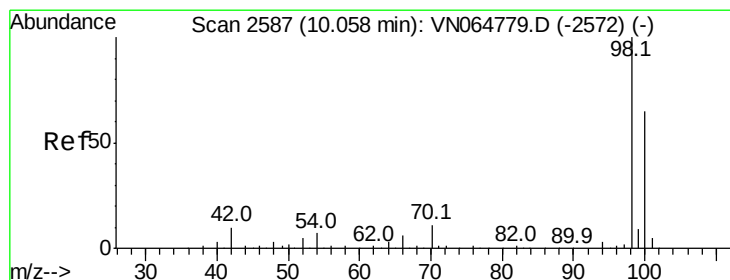
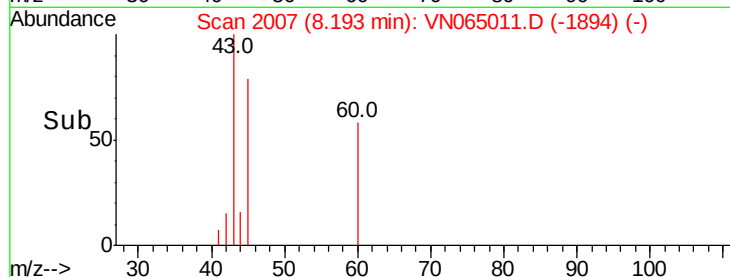
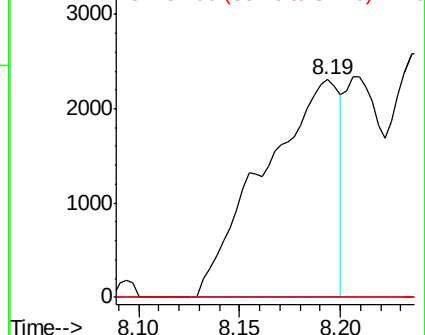
87 0.0 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 49.320 ug/l

RT: 10.05 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN065011.D

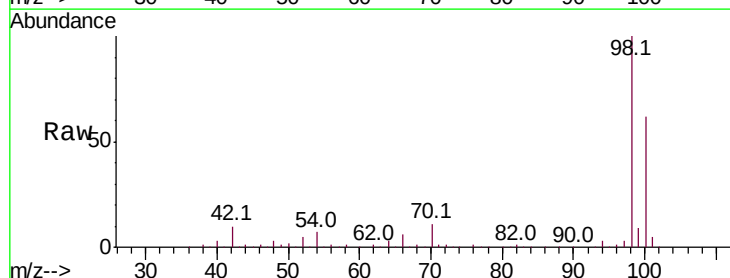
Acq: 9 Dec 2020 11:13

Tgt Ion: 98 Resp: 378046

Ion Ratio Lower Upper

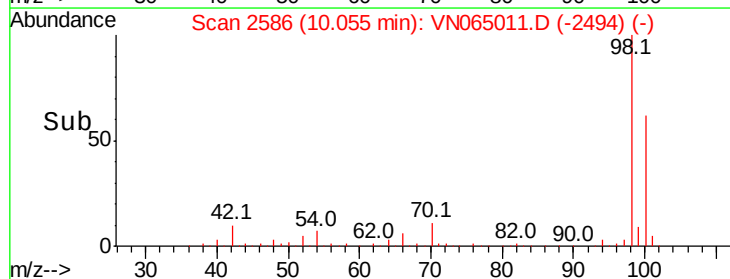
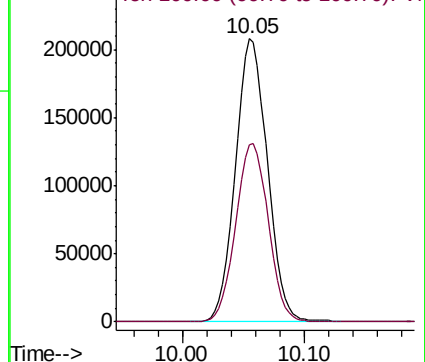
98 100

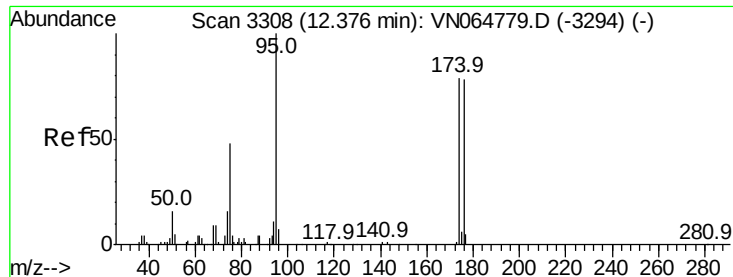
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 50.025 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN065011.D

Acq: 9 Dec 2020 11:13

Instrument :

MSVOA_N

ClientSampled :

VN1209WBL01

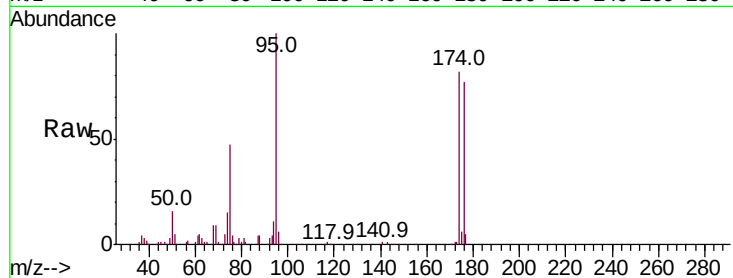
Tot Ion: 95 Resp: 137231

Ion Ratio Lower Upper

95 100

174 82.9 0.0 160.4

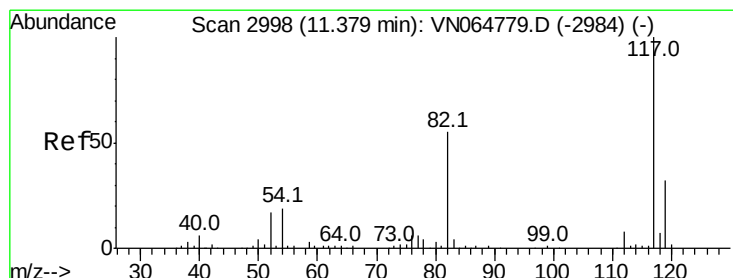
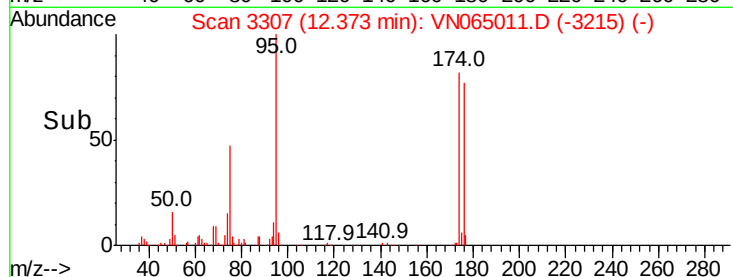
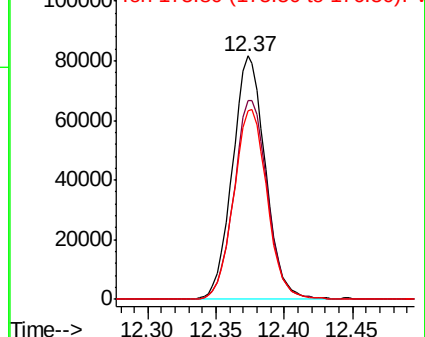
176 79.0 0.0 158.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN065011.D

Acq: 9 Dec 2020 11:13

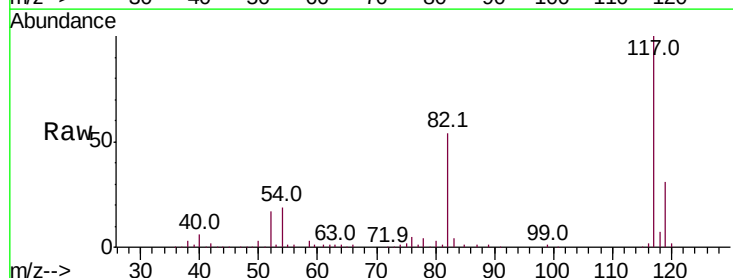
Tgt Ion: 117 Resp: 309131

Ion Ratio Lower Upper

117 100

82 54.4 44.2 66.2

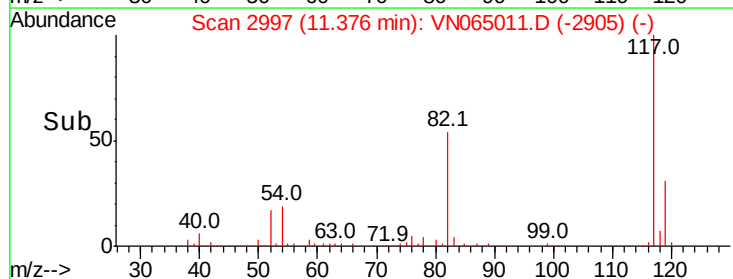
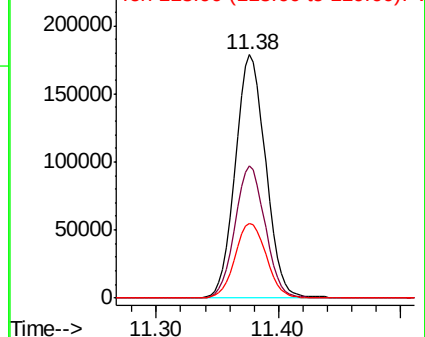
119 30.9 25.8 38.6

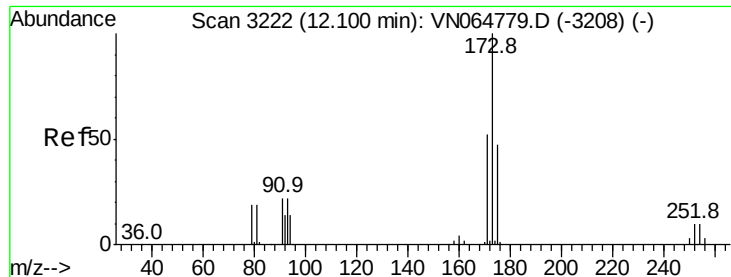


Abundance Ion 116.90 (116.60 to 117.60): VN064779.D (-2984) (-)

Ion 82.00 (81.70 to 82.70): VN064779.D (-2984) (-)

Ion 118.90 (118.60 to 119.60): VN064779.D (-2984) (-)

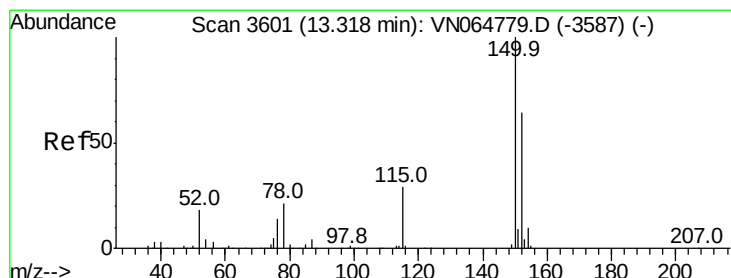
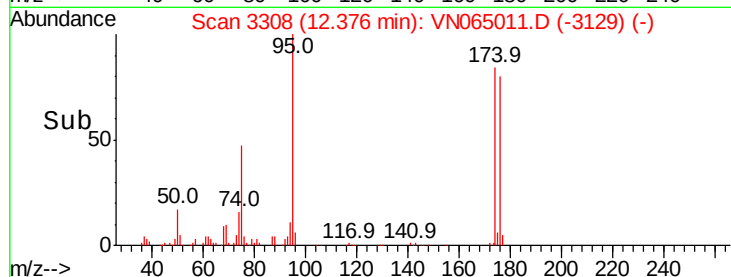
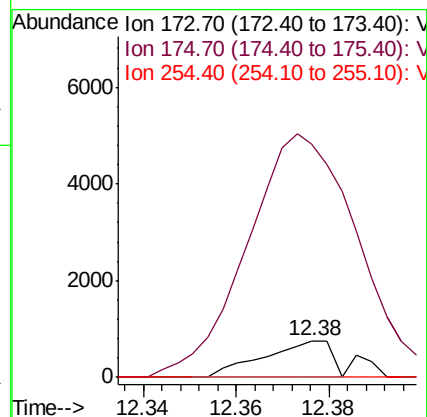
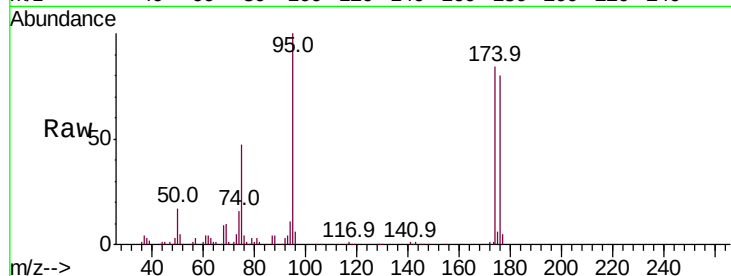




#71
Bromoform
Concen: 0.392 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN065011.D
Acq: 9 Dec 2020 11:13

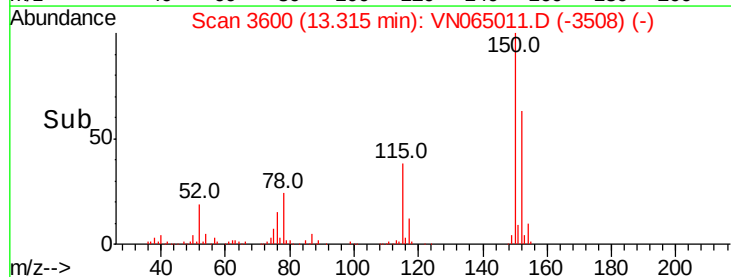
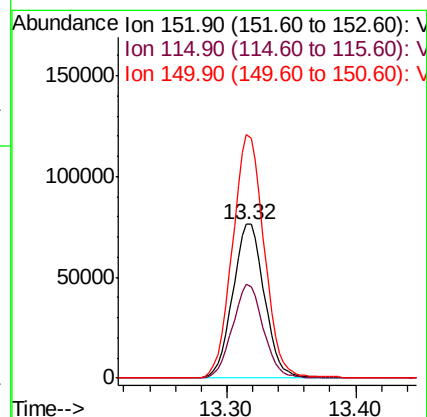
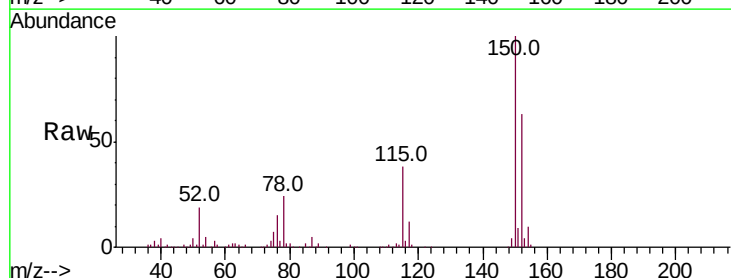
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

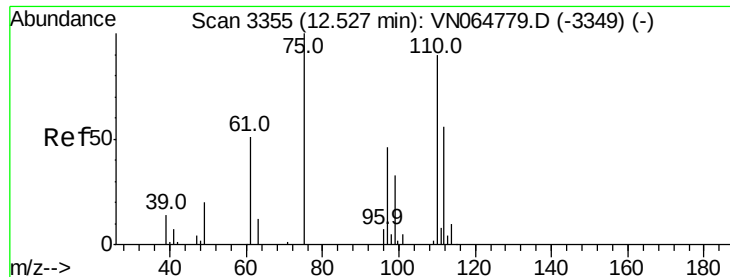
Tot Ion:173 Resp: 763
Ion Ratio Lower Upper
173 100
175 967.5 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN065011.D
Acq: 9 Dec 2020 11:13

Tgt Ion:152 Resp: 130271
Ion Ratio Lower Upper
152 100
115 59.3 29.7 89.1
150 158.2 0.0 350.6

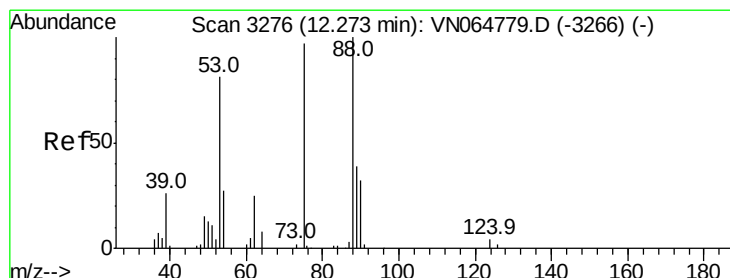
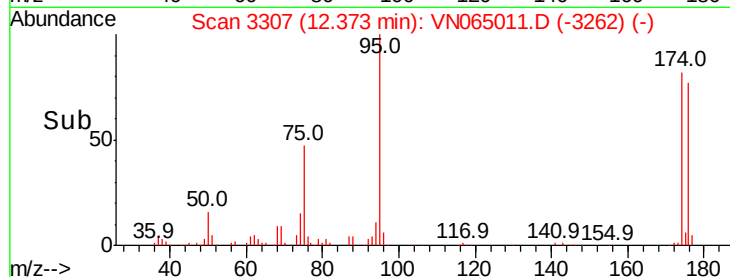
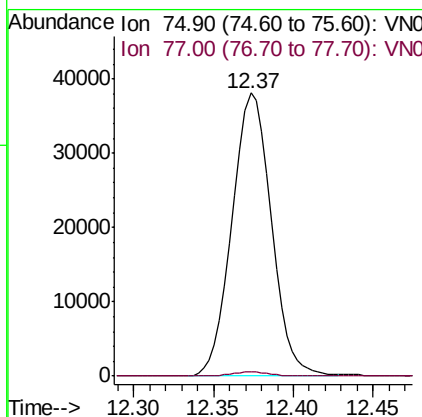
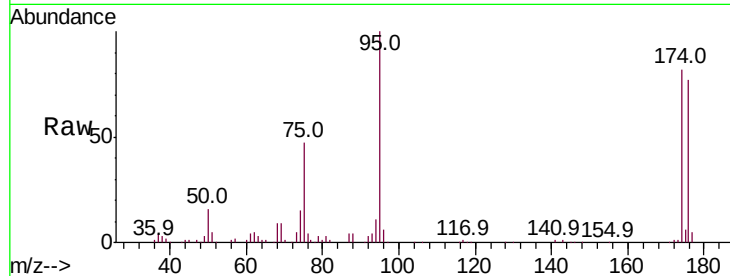




#76
 1,2,3-Trichloropropane
 Concen: 22.796 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN065011.D
 Acq: 9 Dec 2020 11:13

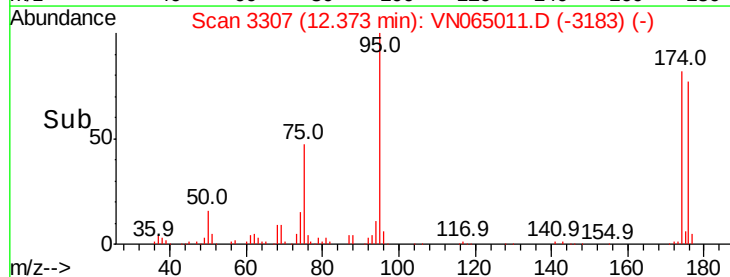
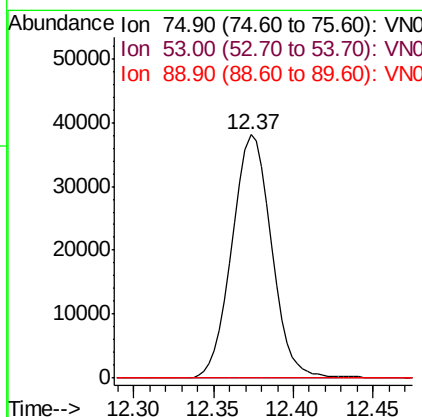
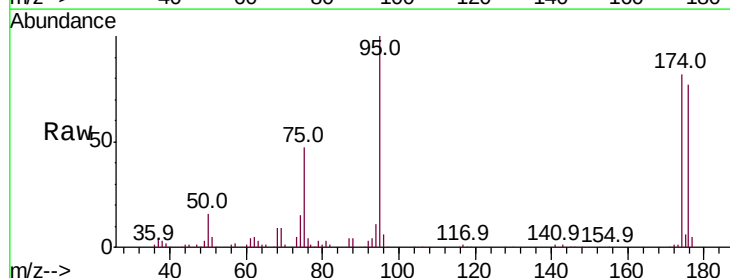
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBL01

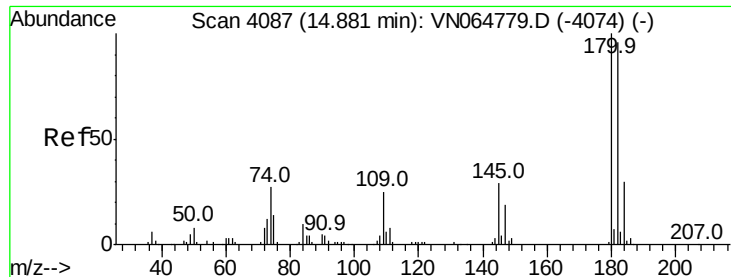
Tot Ion: 75 Resp: 63954
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.478 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN065011.D
 Acq: 9 Dec 2020 11:13

Tgt Ion: 75 Resp: 63954
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#

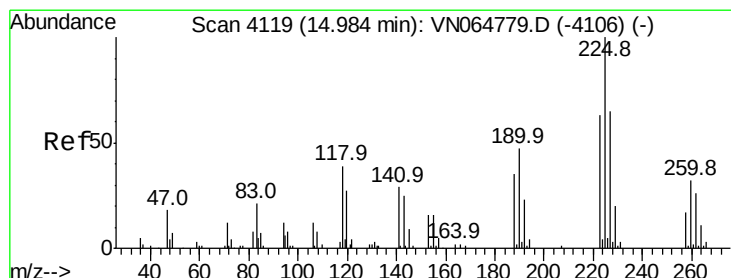
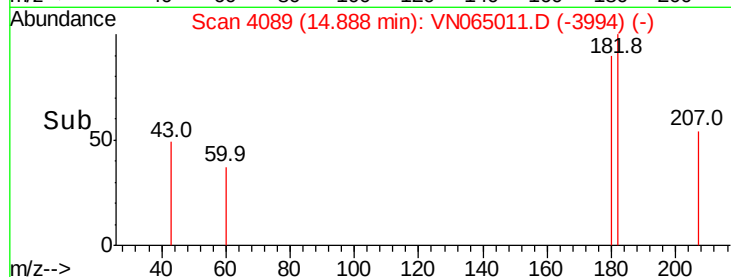
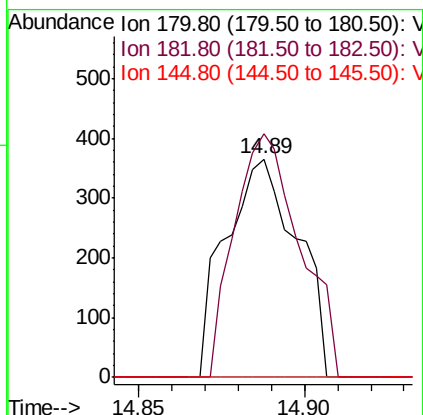
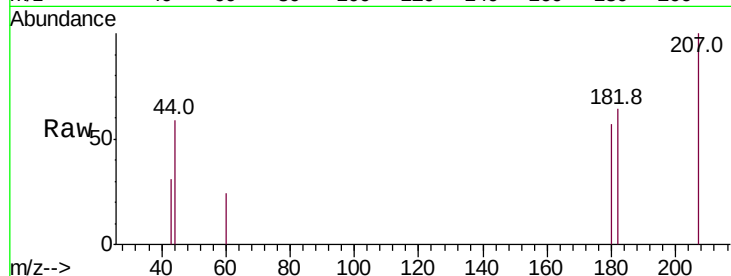




#93
 1,2,4-Trichlorobenzene
 Concen: 0.210 ug/l
 RT: 14.89 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN065011.D
 Acq: 9 Dec 2020 11:13

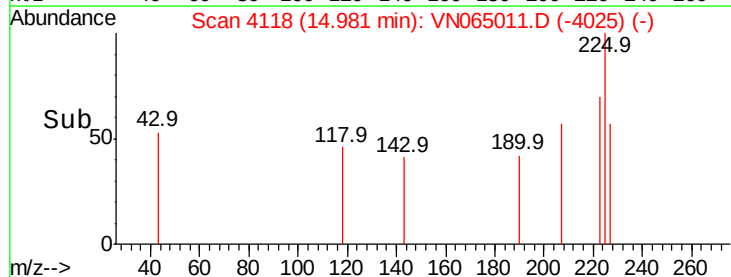
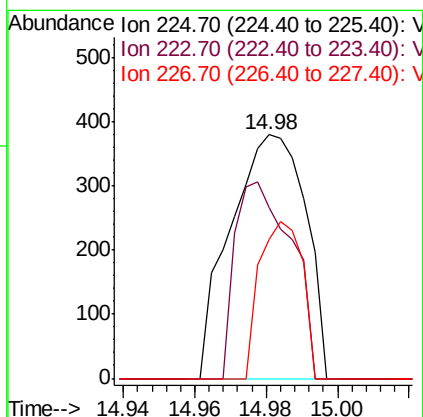
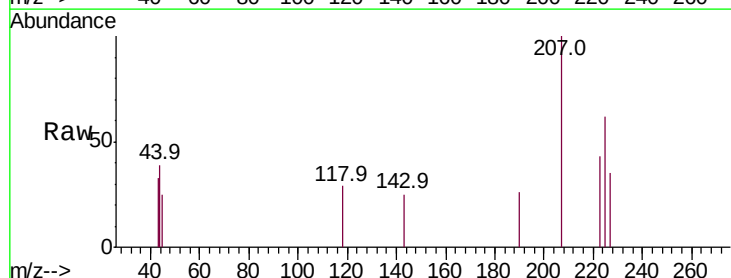
Instrument :
 MSVOA_N
 ClientSampled :
 VN1209WBL01

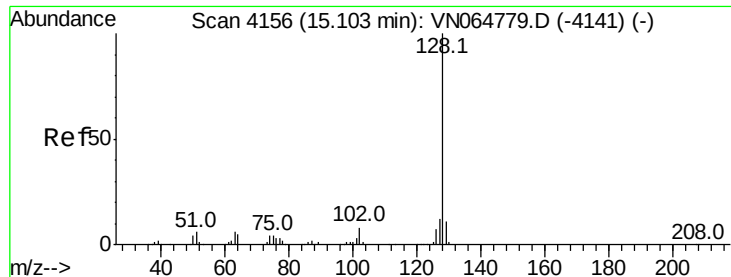
Tot Ion:180 Resp: 553
 Ion Ratio Lower Upper
 180 100
 182 101.6 47.6 142.9
 145 0.0 15.3 45.8#



#94
 Hexachlorobutadiene
 Concen: 0.832 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN065011.D
 Acq: 9 Dec 2020 11:13

Tgt Ion:225 Resp: 550
 Ion Ratio Lower Upper
 225 100
 223 60.5 31.0 93.0
 227 36.9 32.0 96.0

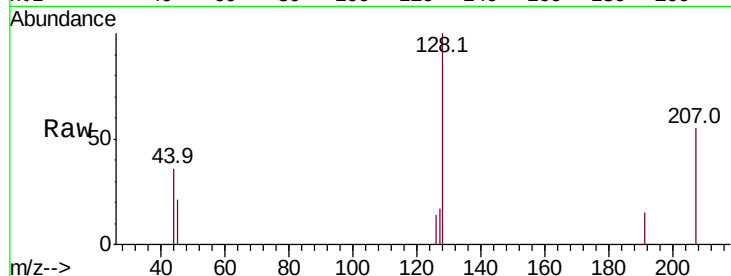




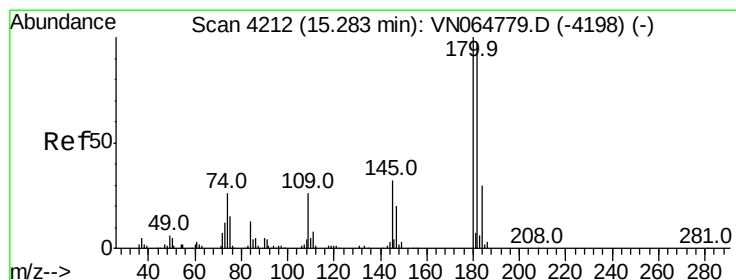
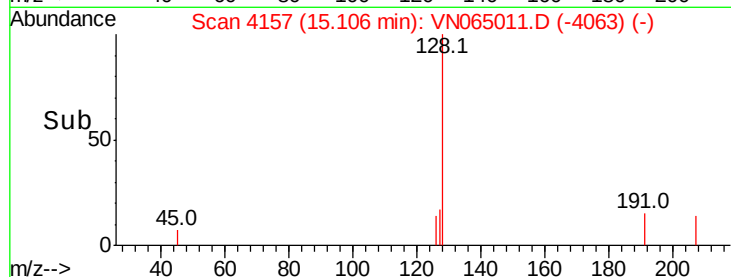
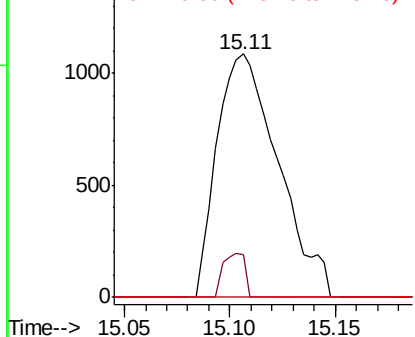
#95
Naphthalene
Concen: 0.277 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN065011.D
Acq: 9 Dec 2020 11:13

Instrument :
MSVOA_N
ClientSampled :
VN1209WBL01

Tot Ion:128 Resp: 2191
Ion Ratio Lower Upper
128 100
127 6.3 10.3 15.5#
129 0.0 8.7 13.1#

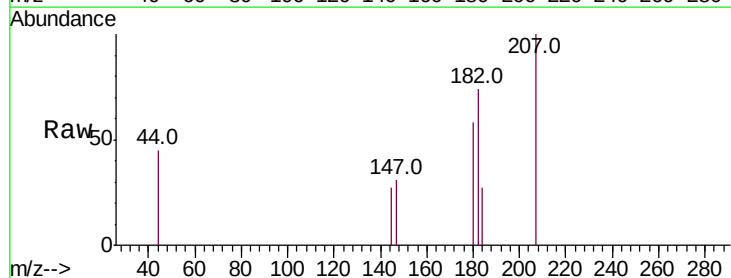


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.604 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN065011.D
Acq: 9 Dec 2020 11:13

Tgt Ion:180 Resp: 547
Ion Ratio Lower Upper
180 100
182 129.4 48.1 144.4
145 23.8 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

