

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063531.D
 Acq On : 22 Sep 2020 14:33
 Operator : JC/MD
 Sample : L4072-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Sep 23 04:01:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	215163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	402335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	403703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169747	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	177394	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	7.55	113	129533	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
50) Toluene-d8	10.06	98	515255	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
62) 4-Bromofluorobenzene	12.38	95	202091	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	

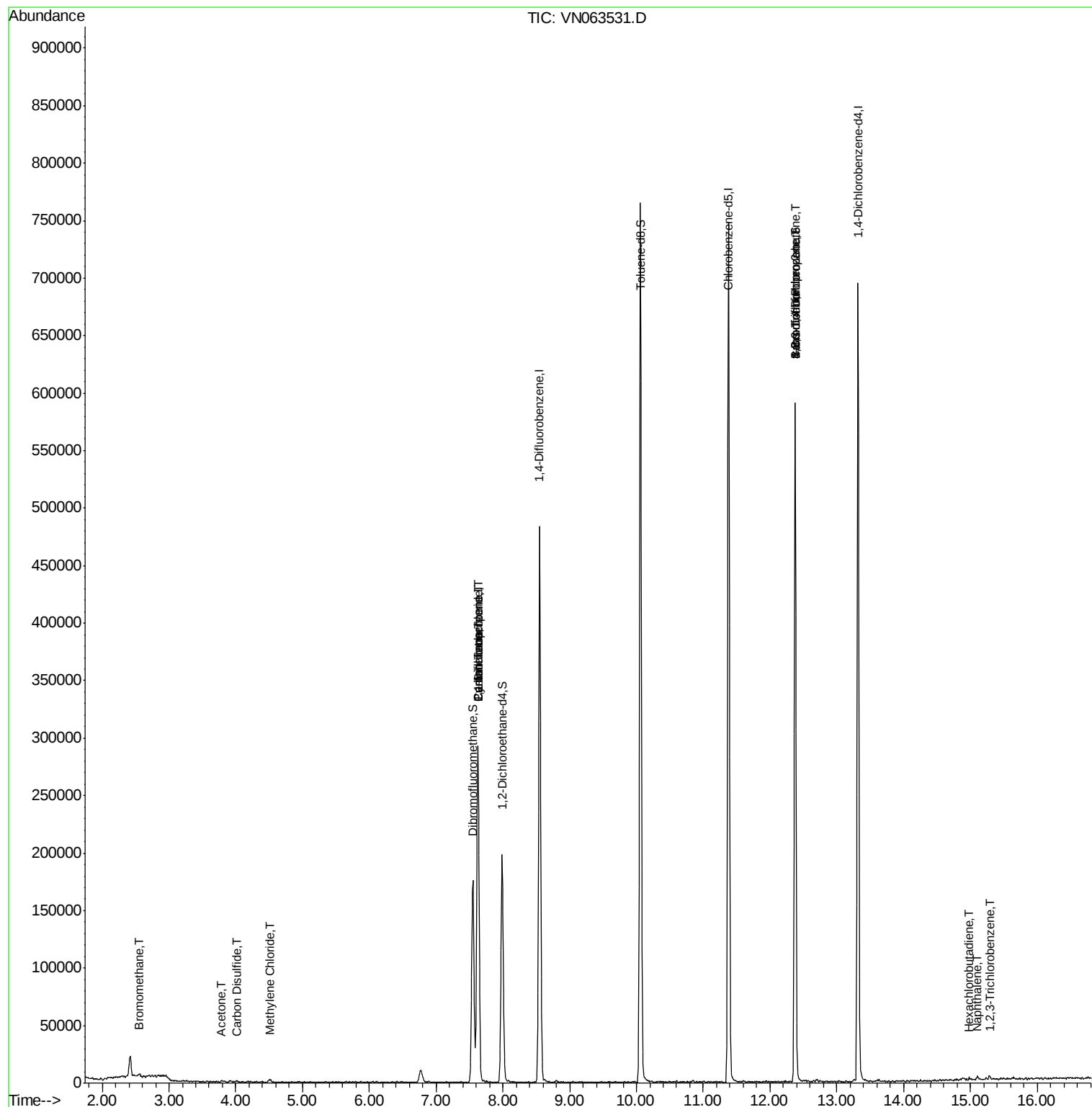
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	371	0.219	ug/l #	13
16) Acetone	3.78	43	748	0.635	ug/l #	47
17) Carbon Disulfide	4.02	76	1780	0.252	ug/l #	75
20) Methylene Chloride	4.51	84	1104	0.370	ug/l #	71
31) Cyclohexane	7.63	56	5887	1.164	ug/l #	40
36) 1,1-Dichloropropene	7.62	75	20308	4.738	ug/l #	52
38) Carbon Tetrachloride	7.62	117	24844	5.678	ug/l #	17
71) Bromoform	12.37	173	576	0.246	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	112204	26.706	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	112204	73.217	ug/l #	7
94) Hexachlorobutadiene	14.99	225	385	0.283	ug/l	79
95) Naphthalene	15.11	128	3150	0.290	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.29	180	898	0.283	ug/l	87

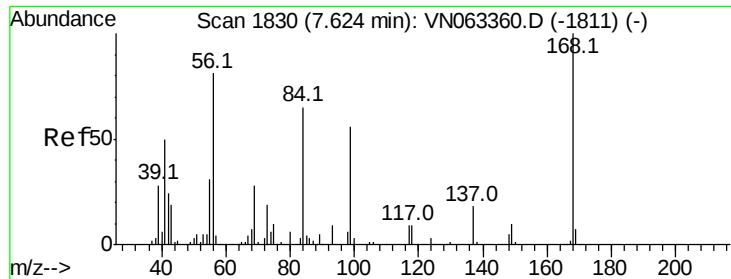
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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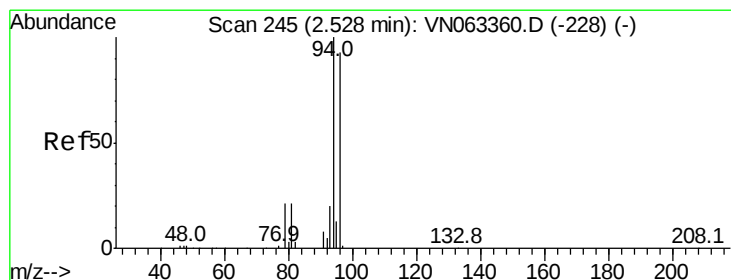
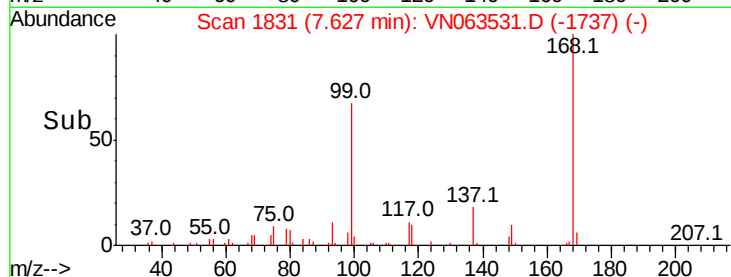
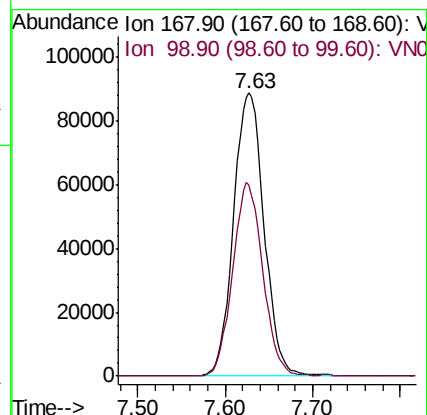
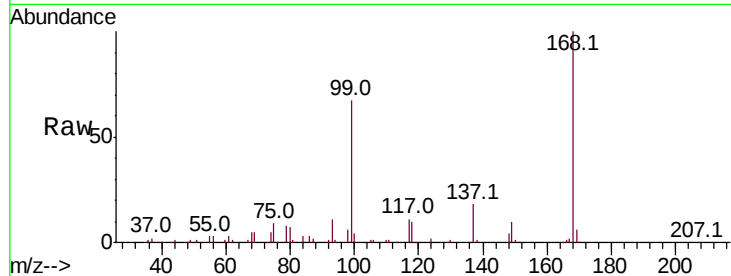




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN063531.D
Acq: 22 Sep 2020 14:33

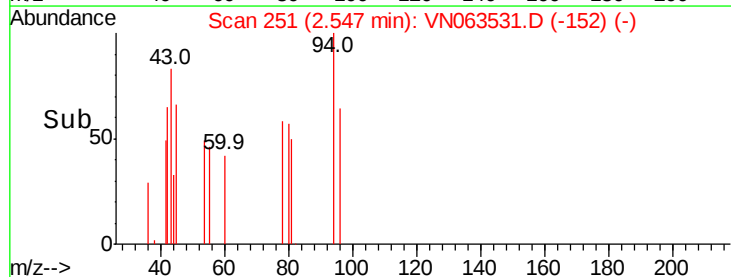
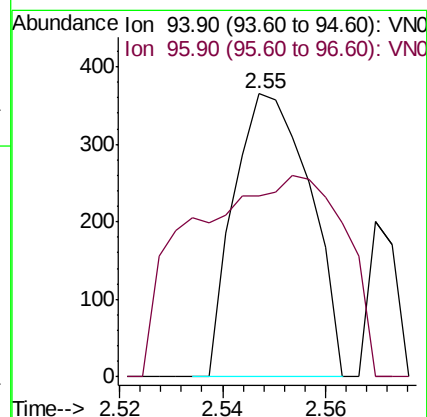
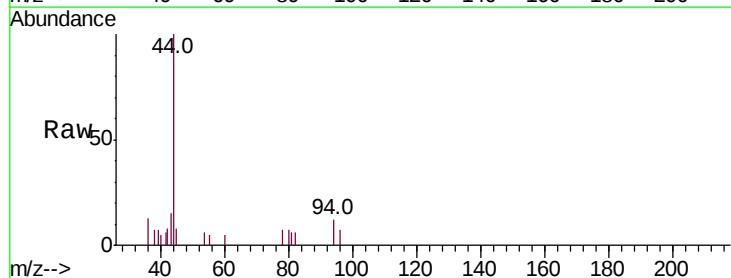
Instrument :
MSVOA_N
ClientSampleId :
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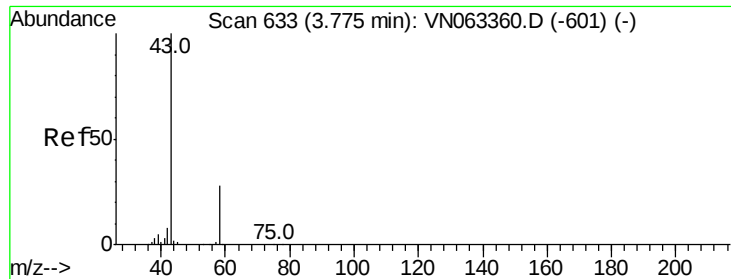
Tot Ion:168 Resp: 215163
Ion Ratio Lower Upper
168 100
99 67.4 53.0 79.6



#5
Bromomethane
Concen: 0.219 ug/l
RT: 2.55 min Scan# 251
Delta R.T. 0.02 min
Lab File: VN063531.D
Acq: 22 Sep 2020 14:33

Tgt Ion: 94 Resp: 371
Ion Ratio Lower Upper
94 100
96 9.3 74.5 111.7#





#16

Acetone

Concen: 0.635 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063531.D

Acq: 22 Sep 2020 14:33

Instrument :

MSVOA_N

ClientSampled :

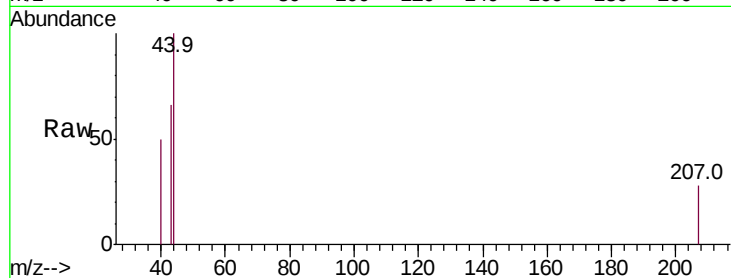
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Tot Ion: 43 Resp: 748

Ion Ratio Lower Upper

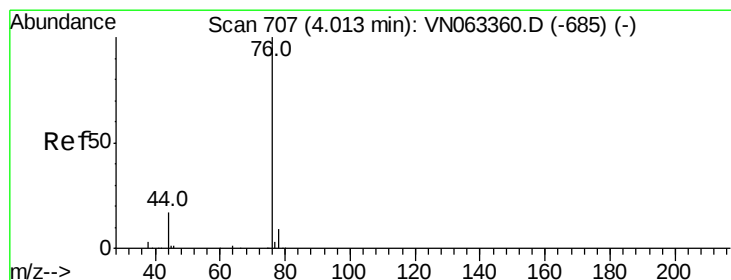
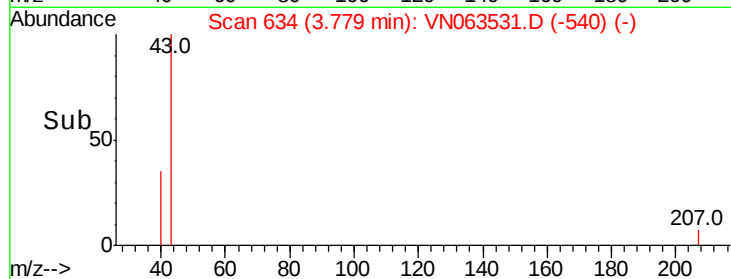
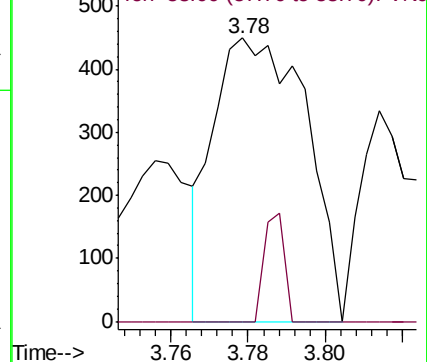
43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.252 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063531.D

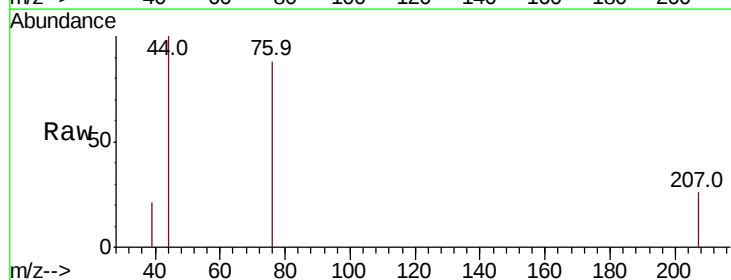
Acq: 22 Sep 2020 14:33

Tgt Ion: 76 Resp: 1780

Ion Ratio Lower Upper

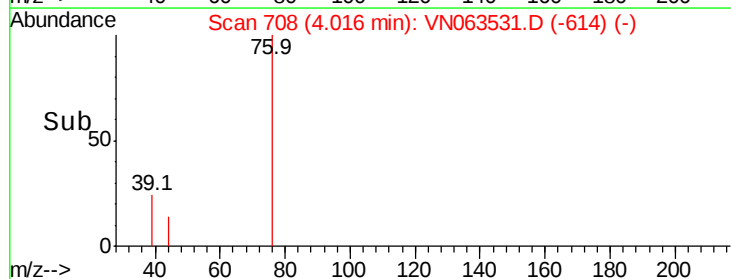
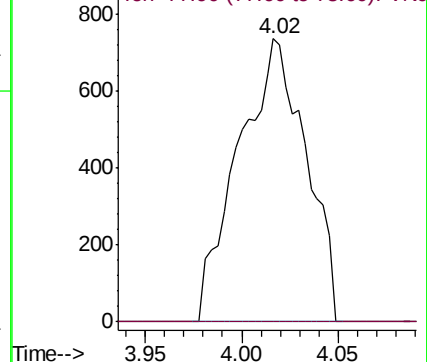
76 100

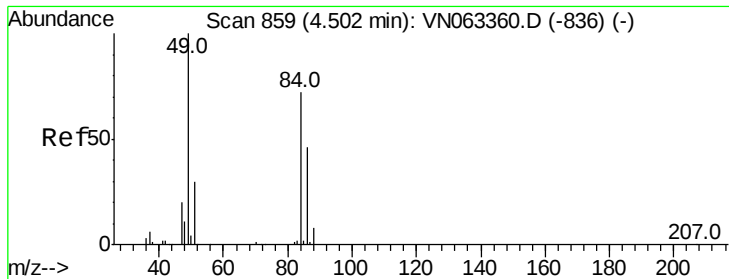
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

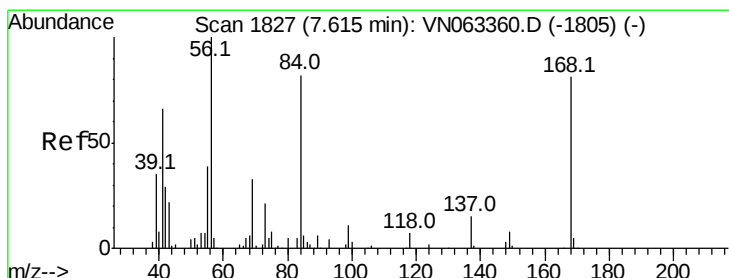
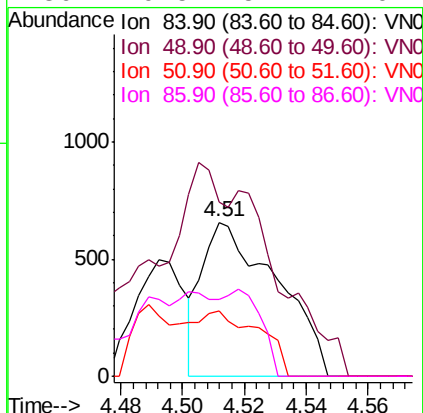
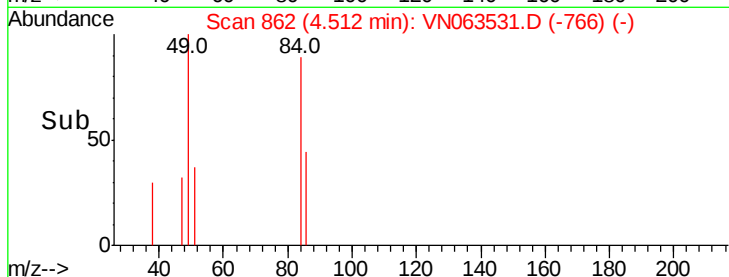
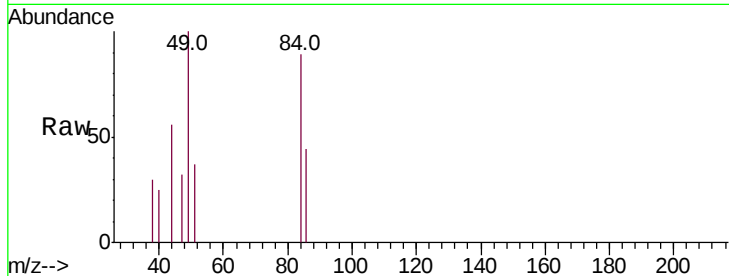




#20
Methvlene Chloride
Concen: 0.370 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN063531.D
Acq: 22 Sep 2020 14:33

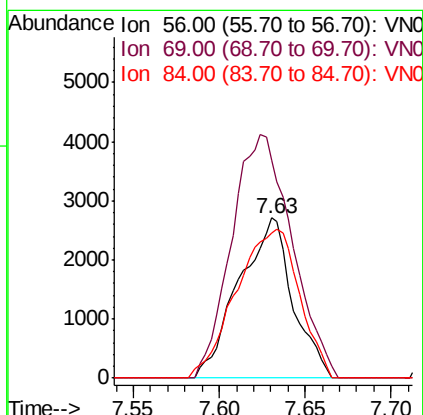
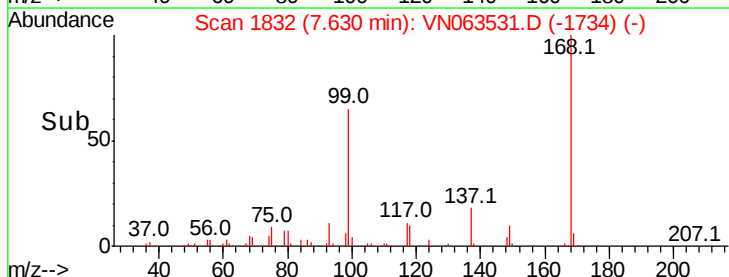
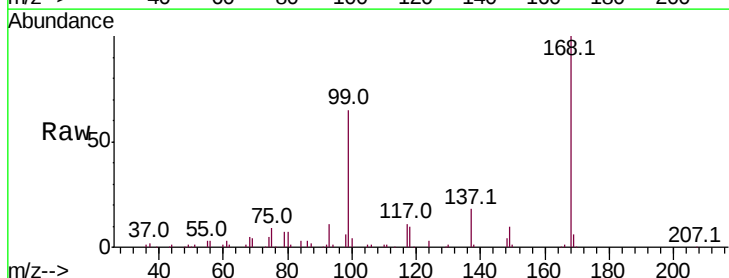
Instrument :
MSVOA_N
ClientSampled :
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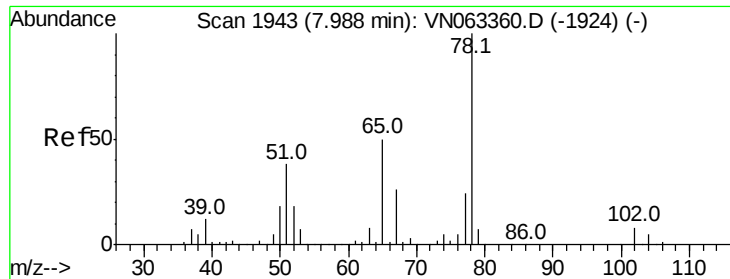
Tot Ion: 84 Resp: 1104
Ion Ratio Lower Upper
84 100
49 87.8 110.7 166.1#
51 42.1 32.9 49.3
86 49.5 51.1 76.7#



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063531.D
Acq: 22 Sep 2020 14:33

Tgt Ion: 56 Resp: 5887
Ion Ratio Lower Upper
56 100
69 136.0 26.1 39.1#
84 91.0 65.4 98.2

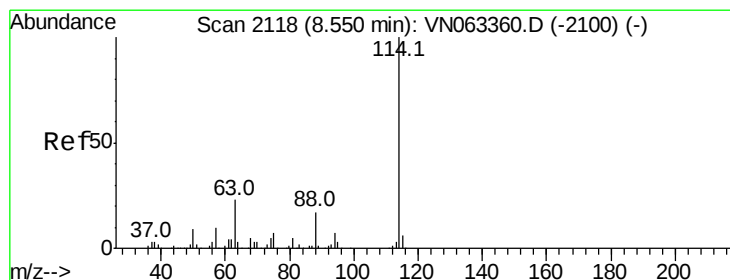
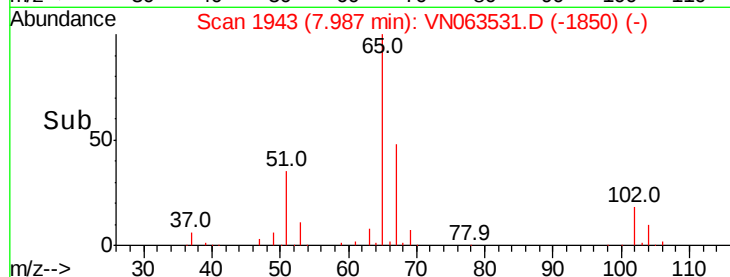
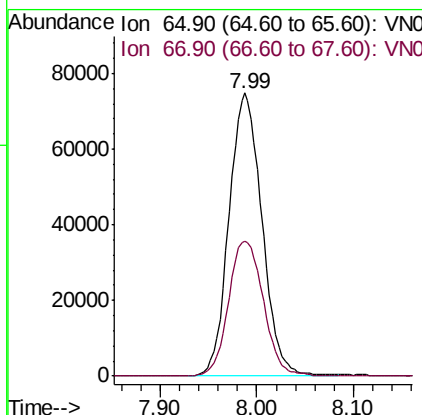
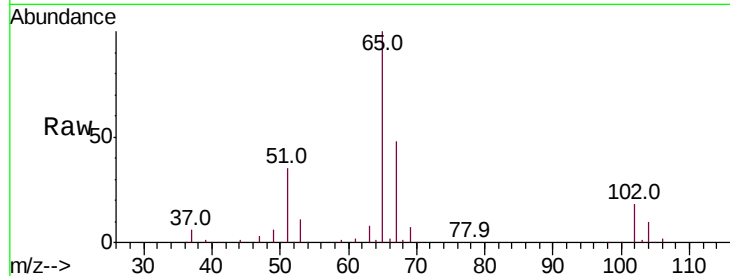




#33
 1,2-Dichloroethane-d4
 Concen: 48.433 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063531.D
 Acq: 22 Sep 2020 14:33

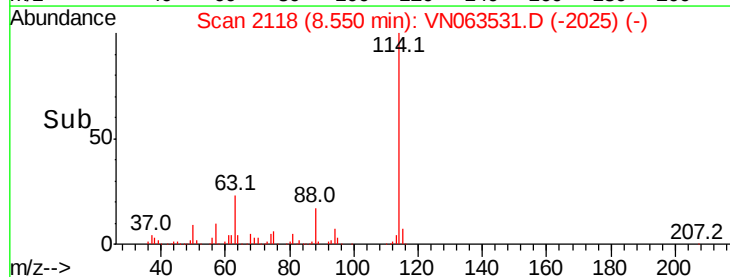
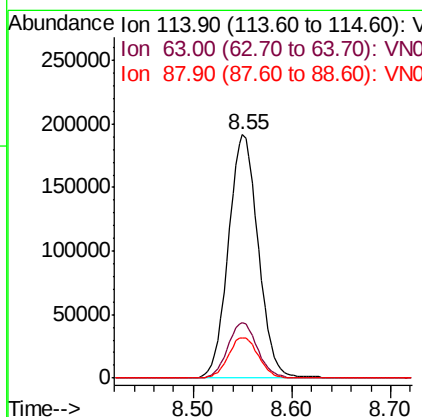
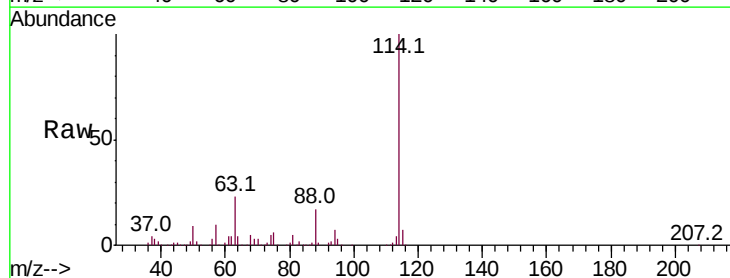
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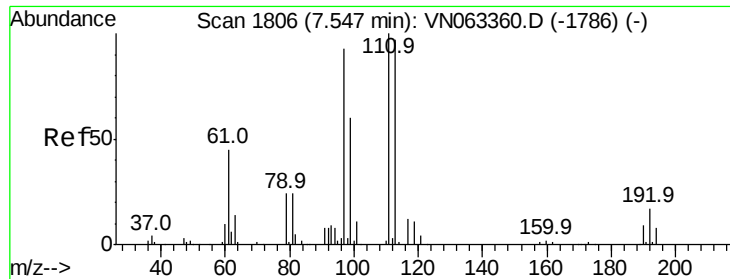
Tot Ion: 65 Resp: 177394
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063531.D
 Acq: 22 Sep 2020 14:33

Tgt Ion: 114 Resp: 402335
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 46.4
 88 16.7 0.0 33.2

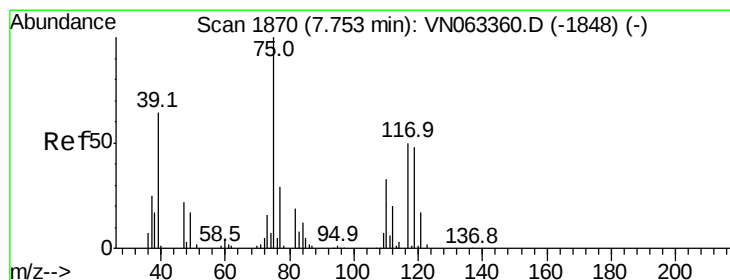
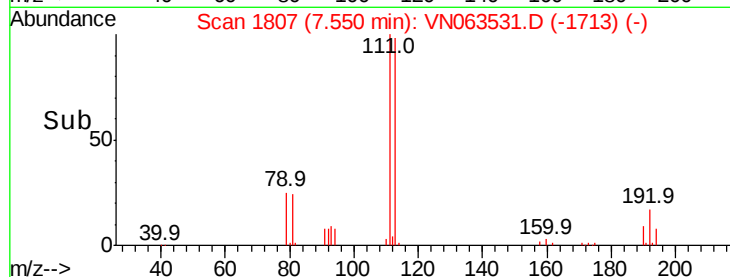
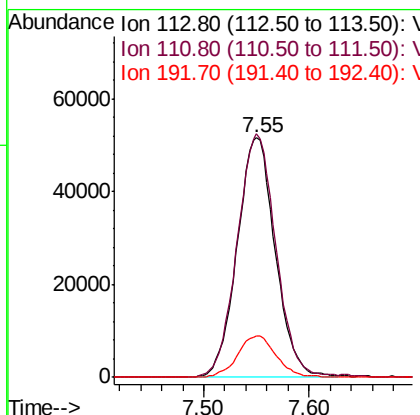
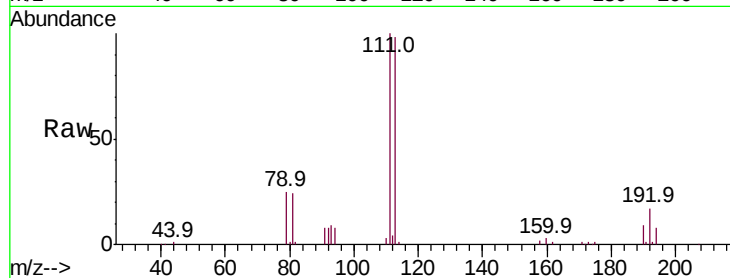




#35
 Dibromofluoromethane
 Concen: 46.506 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063531.D
 Acq: 22 Sep 2020 14:33

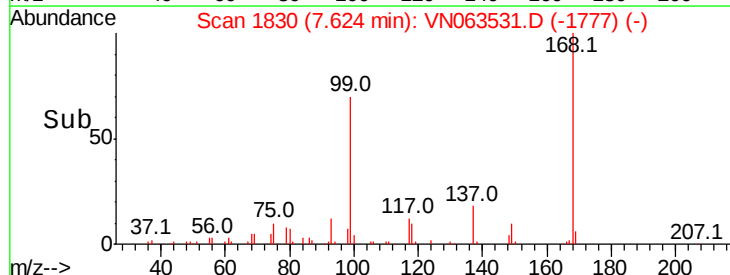
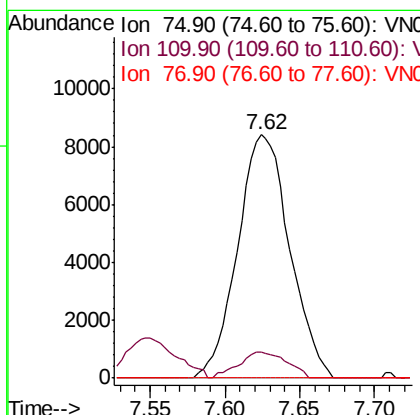
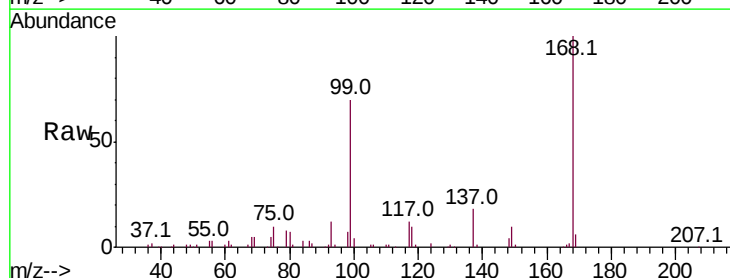
Instrument :
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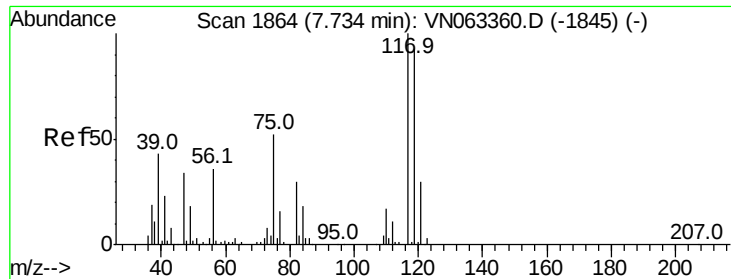
Tot Ion:113 Resp: 129533
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.9 124.3
 192 17.6 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.738 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063531.D
 Acq: 22 Sep 2020 14:33

Tgt Ion: 75 Resp: 20308
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.5 49.5#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.678 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063531.D

Acq: 22 Sep 2020 14:33

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

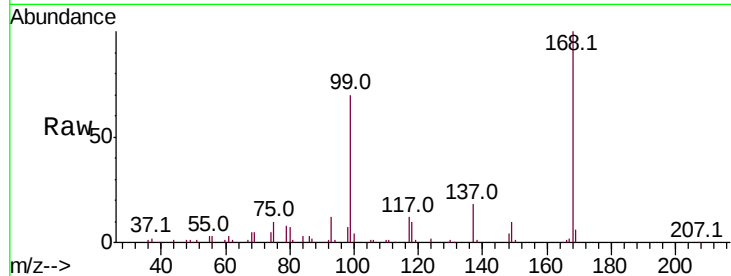
Tot Ion:117 Resp: 24844

Ion Ratio Lower Upper

117 100

119 5.0 74.5 111.7#

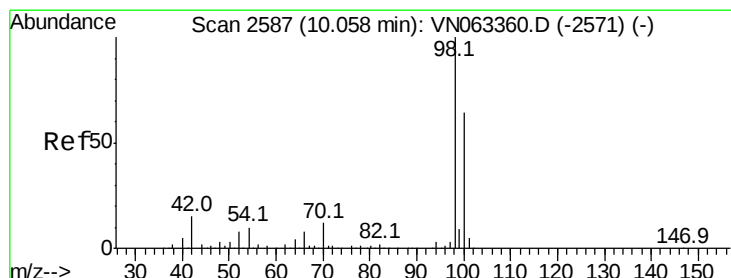
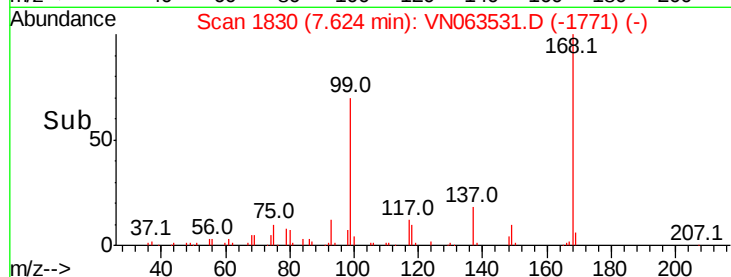
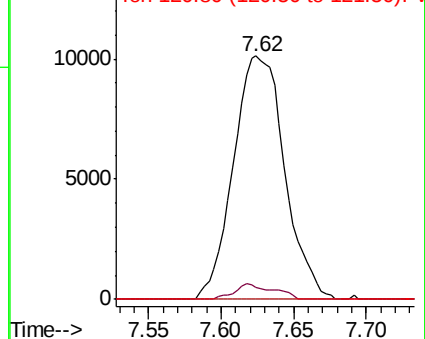
121 0.0 24.1 36.1#



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: 49.198 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063531.D

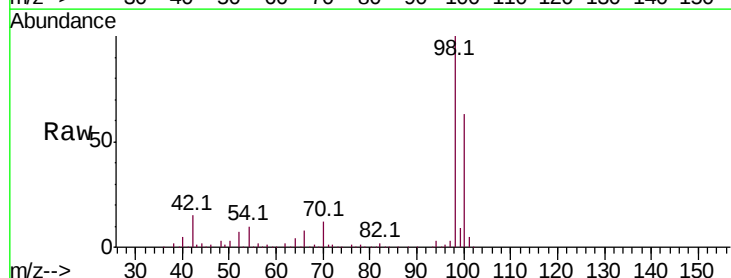
Acq: 22 Sep 2020 14:33

Tgt Ion: 98 Resp: 515255

Ion Ratio Lower Upper

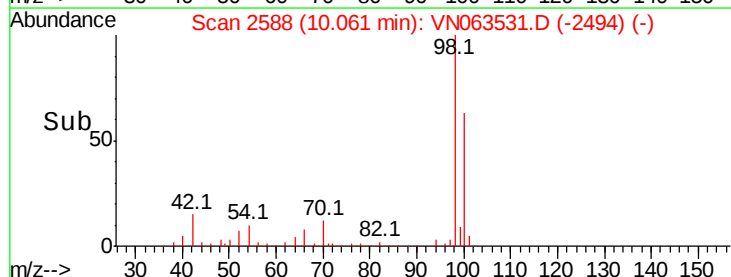
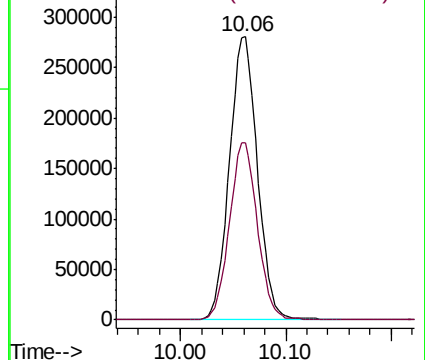
98 100

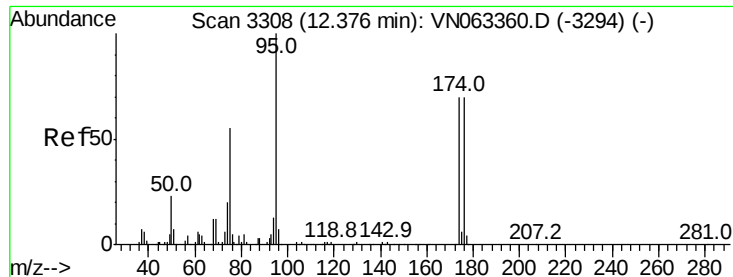
100 62.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

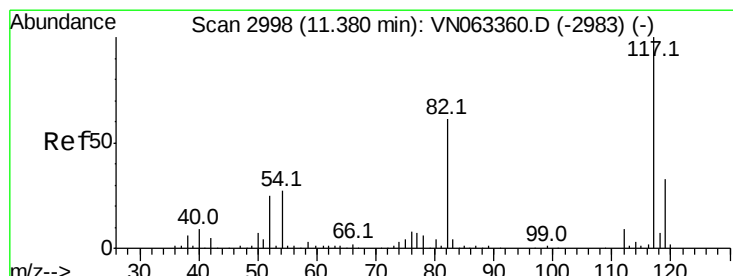
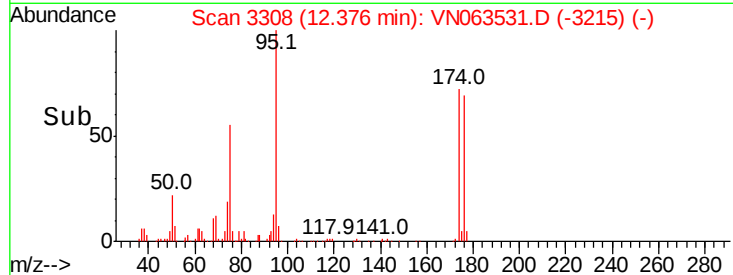
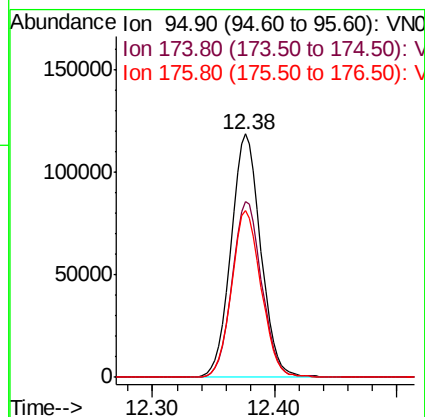
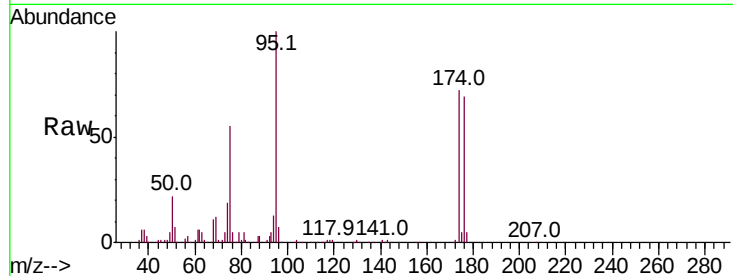




#62
4-Bromofluorobenzene
Concen: 52.638 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063531.D
Acq: 22 Sep 2020 14:33

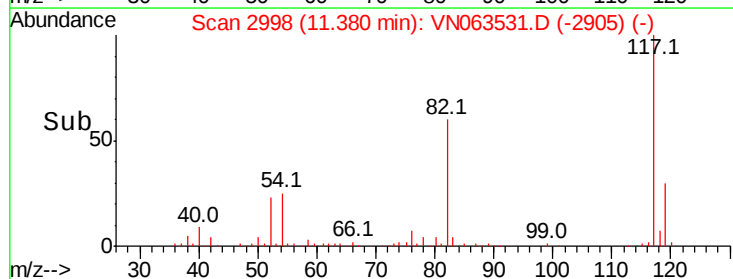
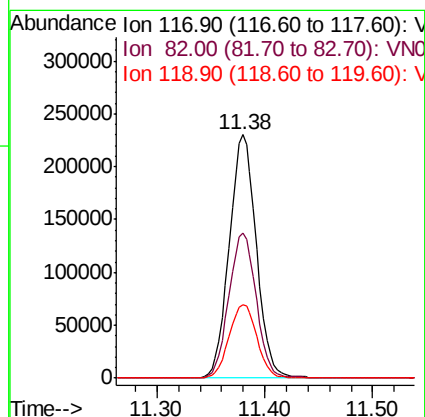
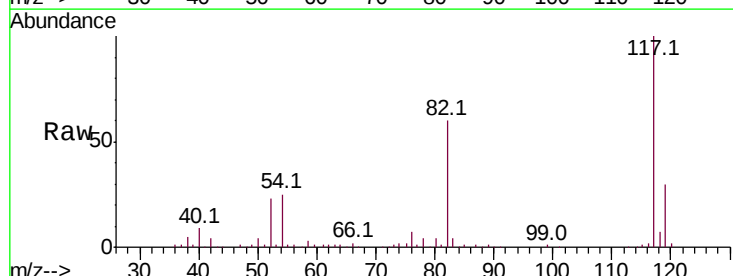
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MSVOA_N
ClientSampleId :
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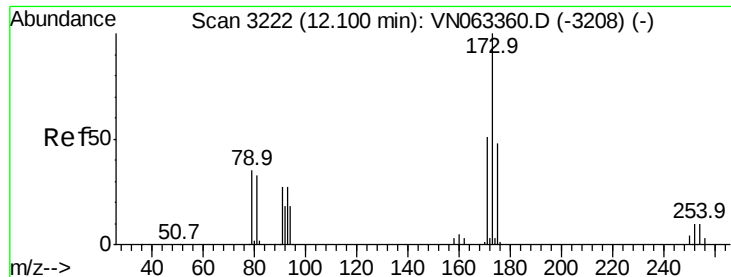
Tot Ion: 95 Resp: 202091
Ion Ratio Lower Upper
95 100
174 71.6 0.0 140.8
176 68.0 0.0 137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063531.D
Acq: 22 Sep 2020 14:33

Tgt Ion: 117 Resp: 403703
Ion Ratio Lower Upper
117 100
82 59.6 49.2 73.8
119 30.3 26.2 39.4

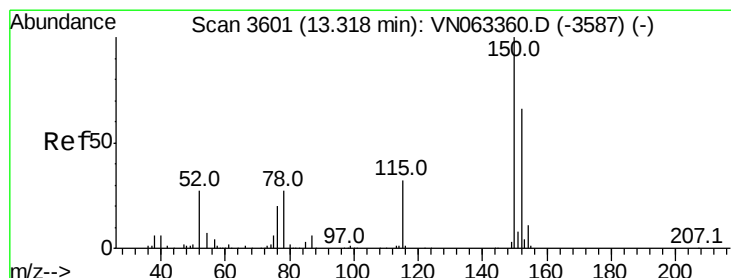
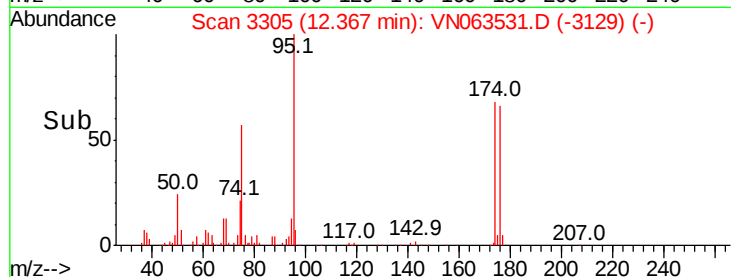
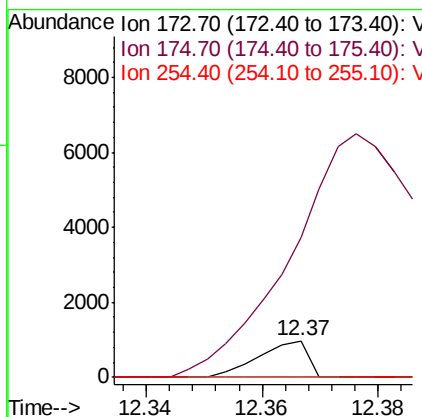
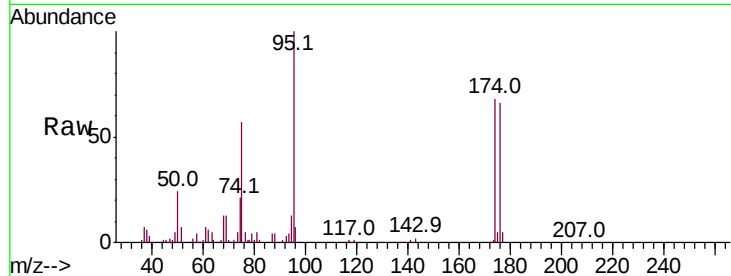




#71
Bromoform
Concen: 0.246 ug/l
RT: 12.37 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN063531.D
Acq: 22 Sep 2020 14:33

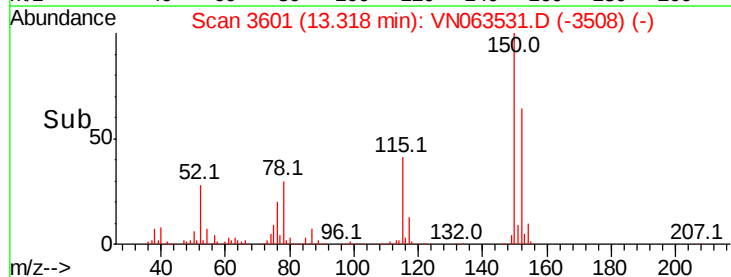
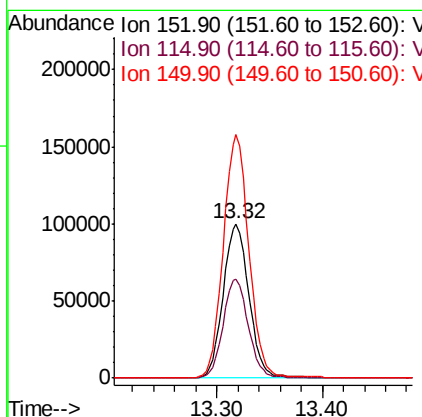
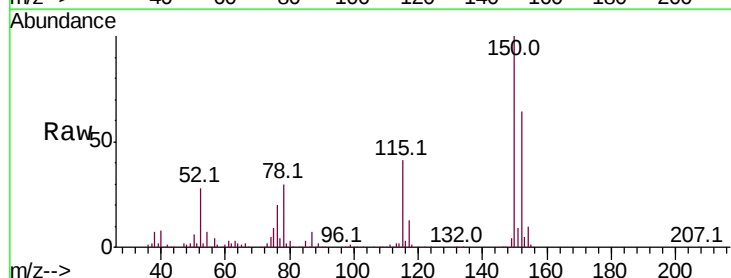
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

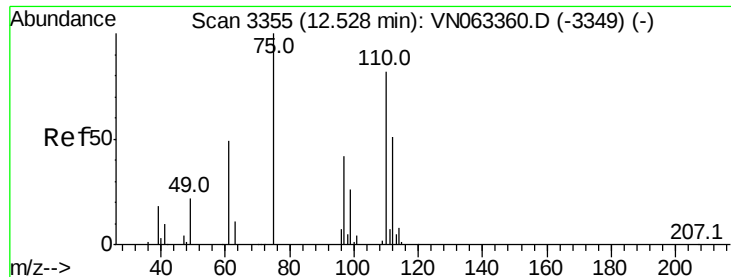
Tot Ion:173 Resp: 576
Ion Ratio Lower Upper
173 100
175 1530.2 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063531.D
Acq: 22 Sep 2020 14:33

Tgt Ion:152 Resp: 169747
Ion Ratio Lower Upper
152 100
115 62.4 32.2 96.6
150 155.3 0.0 343.4

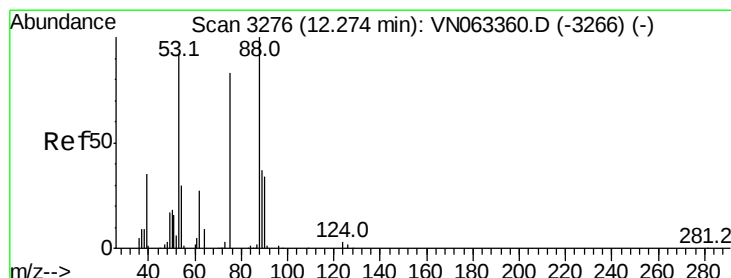
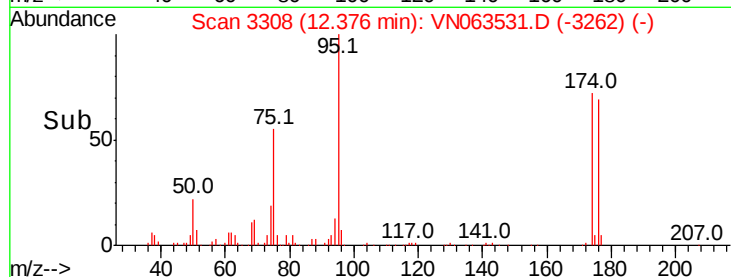
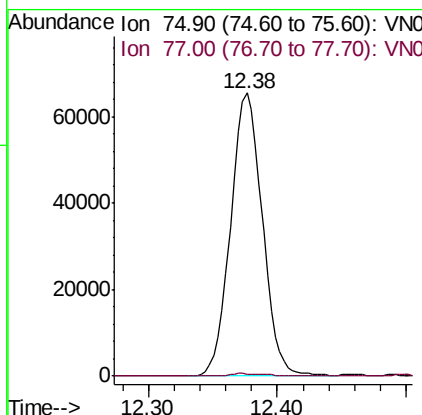
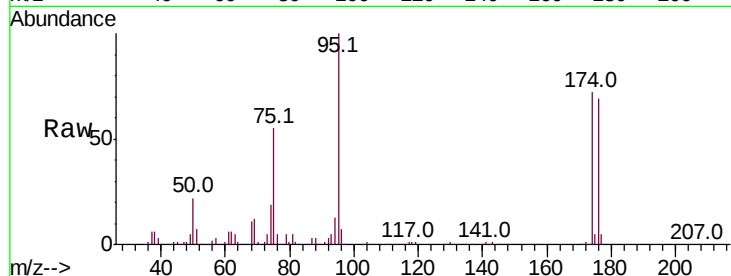




#76
 1,2,3-Trichloropropane
 Concen: 26.706 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063531.D
 Acq: 22 Sep 2020 14:33

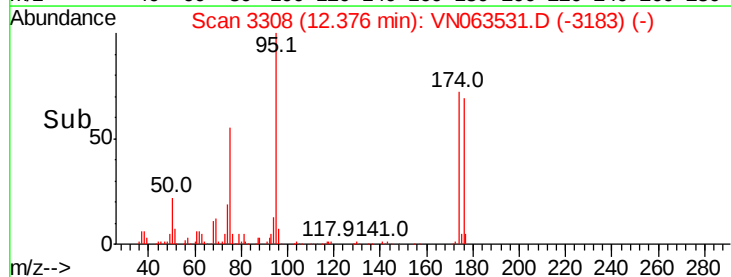
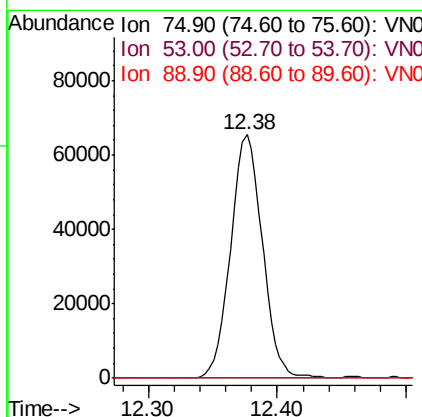
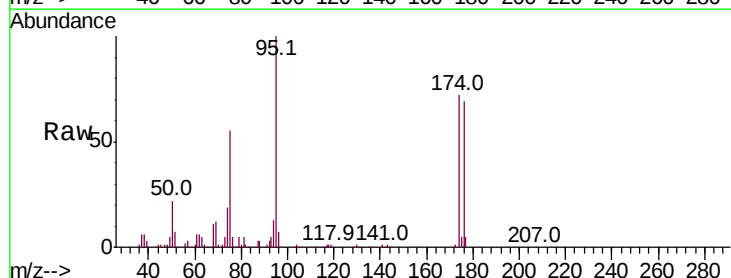
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

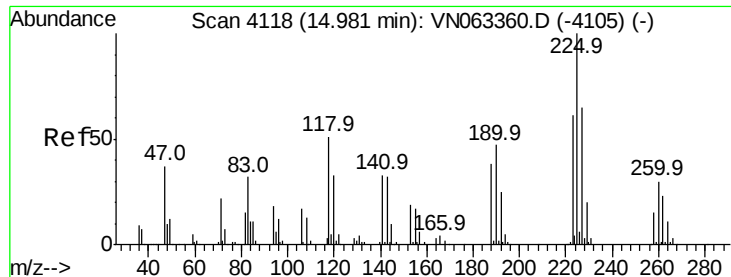
Tot Ion: 75 Resp: 112204
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.217 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063531.D
 Acq: 22 Sep 2020 14:33

Tgt Ion: 75 Resp: 112204
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.7 128.5#
 89 0.0 38.0 57.0#





#94

Hexachlorobutadiene

Concen: 0.283 ug/l

RT: 14.99 min Scan# 4121

Delta R.T. 0.01 min

Lab File: VN063531.D

Acq: 22 Sep 2020 14:33

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

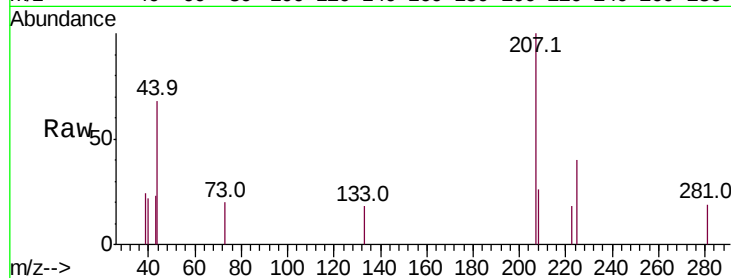
Tot Ion:225 Resp: 385

Ion Ratio Lower Upper

225 100

223 59.7 30.6 91.6

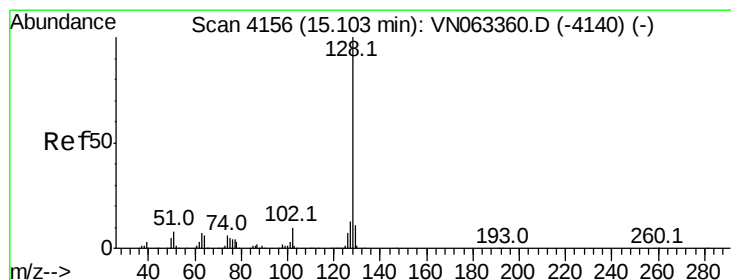
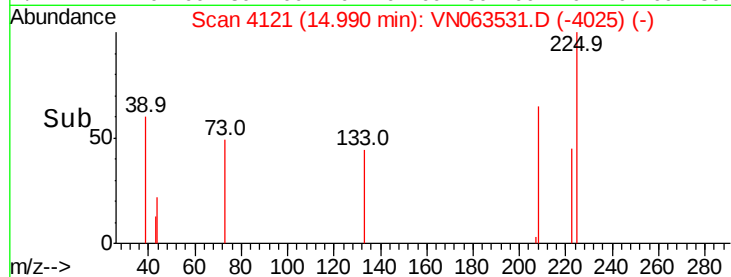
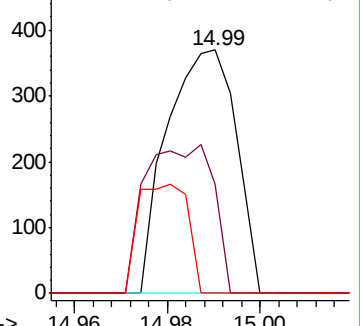
227 31.7 31.2 93.6



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: 0.290 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN063531.D

Acq: 22 Sep 2020 14:33

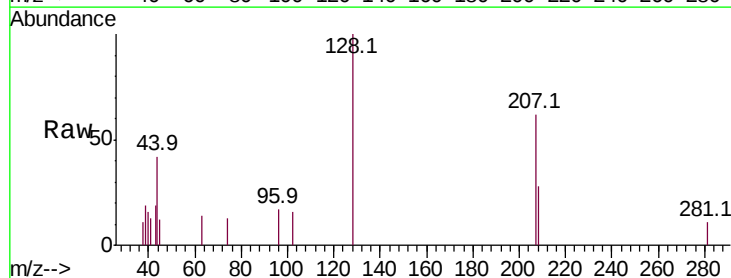
Tgt Ion:128 Resp: 3150

Ion Ratio Lower Upper

128 100

127 3.9 10.6 15.8#

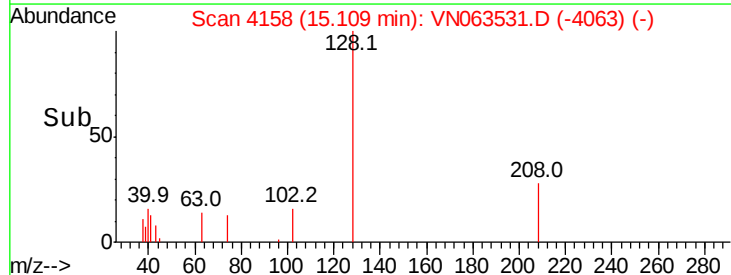
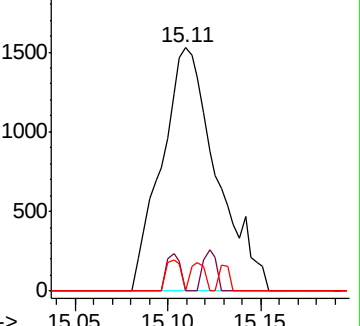
129 3.3 8.8 13.2#

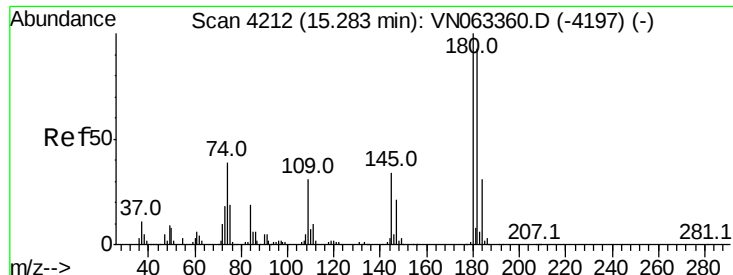


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.283 ug/l

RT: 15.29 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN063531.D

Acq: 22 Sep 2020 14:33

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

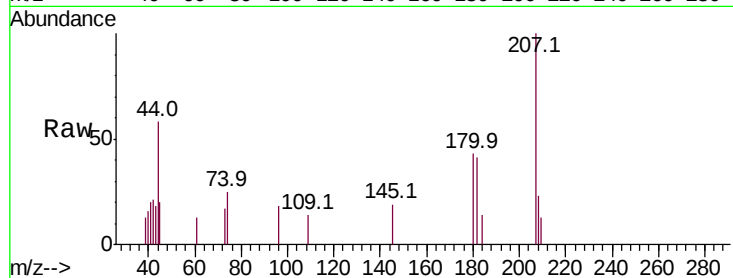
Tot Ion:180 Resp: 898

Ion Ratio Lower Upper

180 100

182 81.8 46.7 140.1

145 24.1 16.8 50.3



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

