

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063714.D
 Acq On : 28 Sep 2020 18:45
 Operator : JC/MD
 Sample : L4178-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Quant Time: Sep 29 00:41:44 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	207284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	388840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	395725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	168817	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	180753	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
35) Dibromofluoromethane	7.55	113	132476	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
50) Toluene-d8	10.06	98	501176	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.38	95	197271	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	

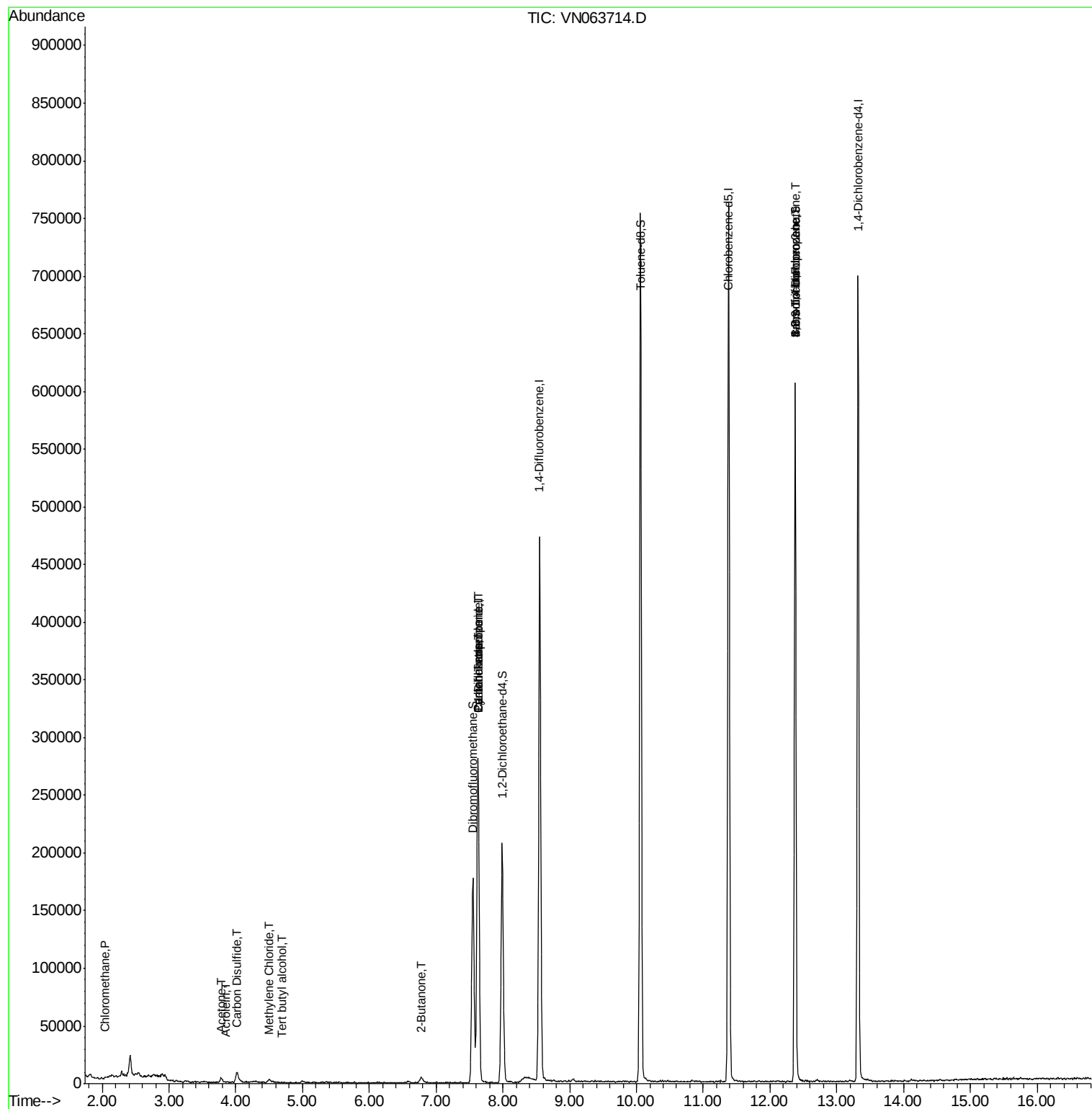
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	957	0.308	ug/l #	82
11) Tert butyl alcohol	4.70	59	108	0.221	ug/l #	72
13) Acrolein	3.84	56	128	0.707	ug/l #	13
16) Acetone	3.78	43	6246	5.508	ug/l #	80
17) Carbon Disulfide	4.01	76	5399	0.793	ug/l	96
20) Methylene Chloride	4.50	84	1004	0.349	ug/l #	87
25) 2-Butanone	6.78	43	503	0.288	ug/l #	51
31) Cyclohexane	7.62	56	6237	1.280	ug/l #	28
36) 1,1-Dichloropropene	7.62	75	18514	4.469	ug/l #	46
38) Carbon Tetrachloride	7.63	117	23905	5.653	ug/l #	16
71) Bromoform	12.37	173	1270	0.554	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	113661	27.202	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	113661	74.577	ug/l #	7

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

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Quant Time: Sep 29 00:41:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
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QLast Update : Wed Sep 16 13:05:20 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: VN063714.D

Acq: 28 Sep 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

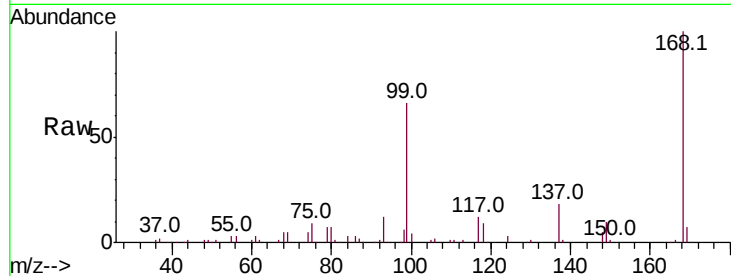
TP-2

Tot Ion:168 Resp: 207284

Ion Ratio Lower Upper

168 100

99 66.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

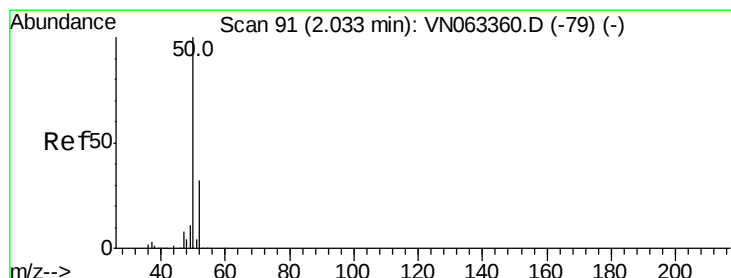
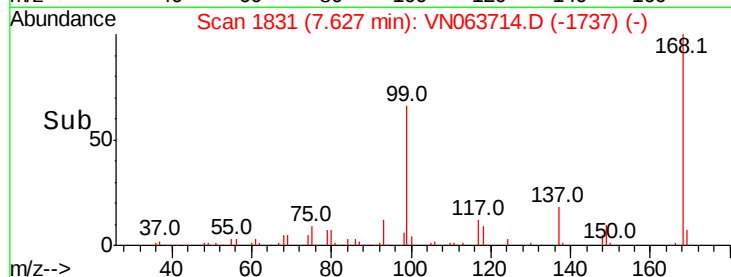
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.308 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063714.D

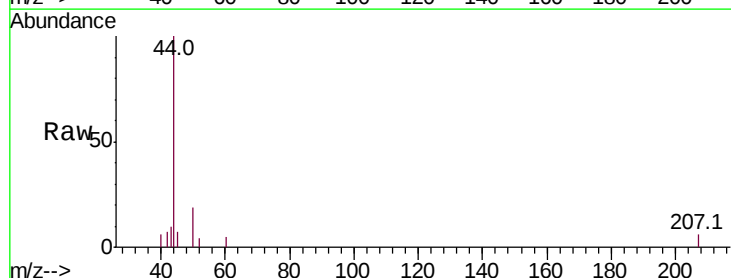
Acq: 28 Sep 2020 18:45

Tgt Ion: 50 Resp: 957

Ion Ratio Lower Upper

50 100

52 22.4 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

800

600

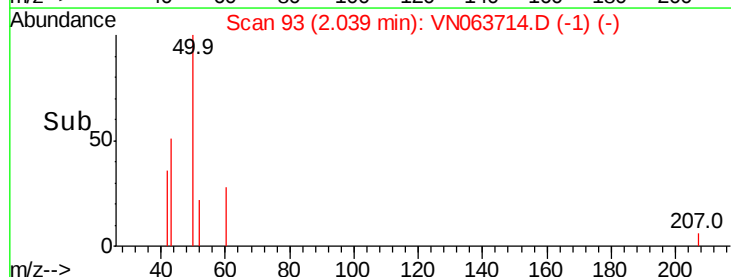
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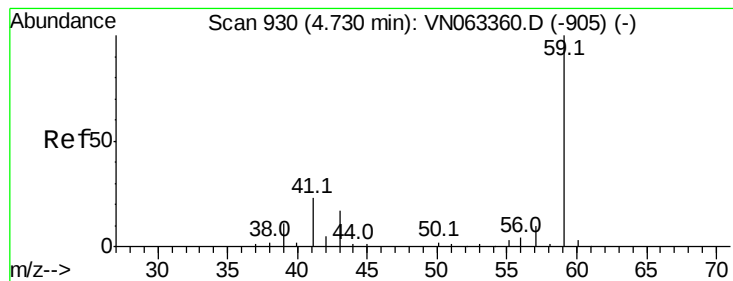
200

0

Time-->

2.00 2.02 2.04 2.06



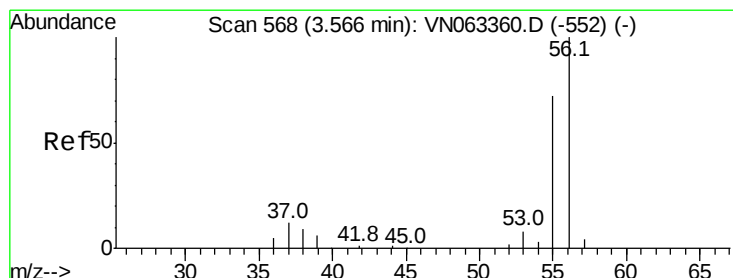
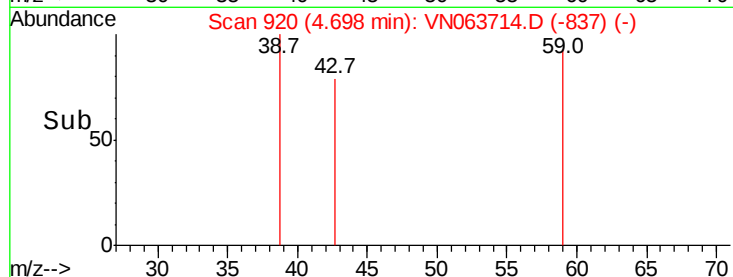
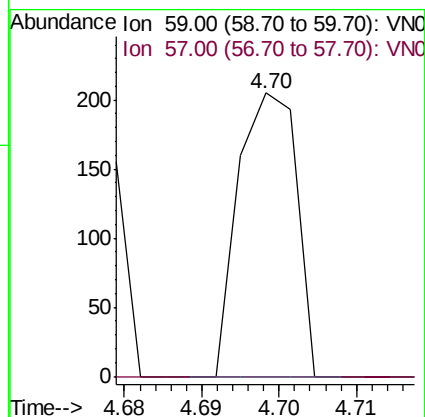
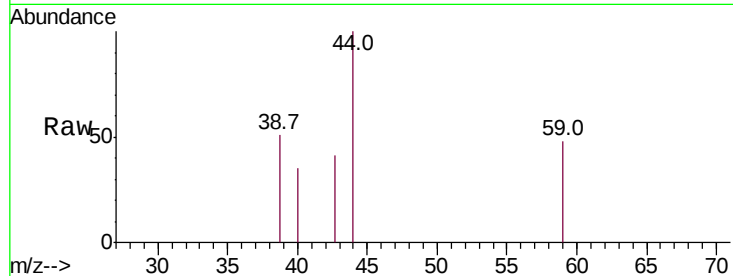


#11

Tert butvl alcohol
 Concen: 0.221 ug/l
 RT: 4.70 min Scan# 920
 Delta R.T. -0.03 min
 Lab File: VN063714.D
 Acq: 28 Sep 2020 18:45

Instrument :
 MSVOA_N
 ClientSampled :
 TP-2

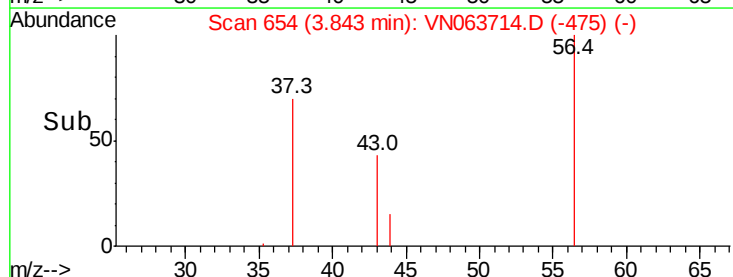
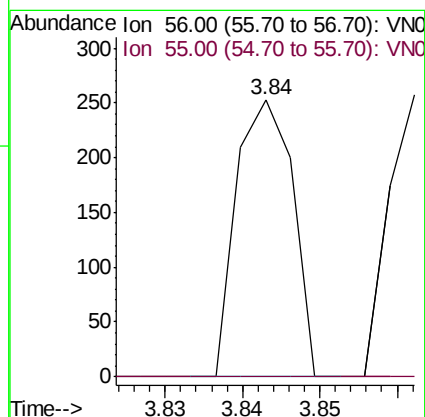
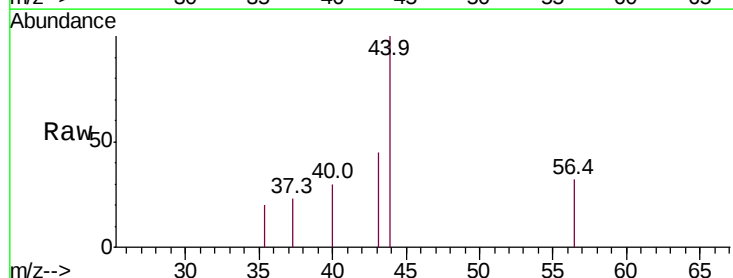
Tot Ion: 59 Resp: 108
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

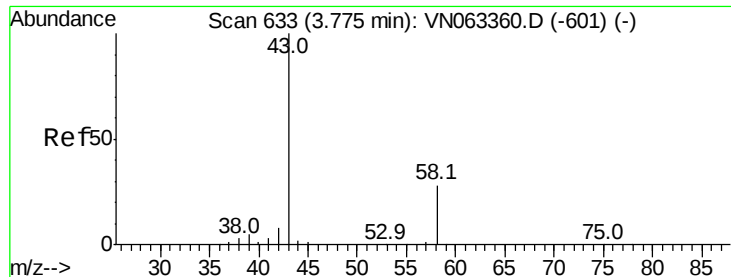


#13

Acrolein
 Concen: 0.707 ug/l
 RT: 3.84 min Scan# 654
 Delta R.T. 0.28 min
 Lab File: VN063714.D
 Acq: 28 Sep 2020 18:45

Tgt Ion: 56 Resp: 128
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.2 87.2#





#16

Acetone

Concen: 5.508 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063714.D

Acq: 28 Sep 2020 18:45

Instrument :

MSVOA_N

ClientSampled :

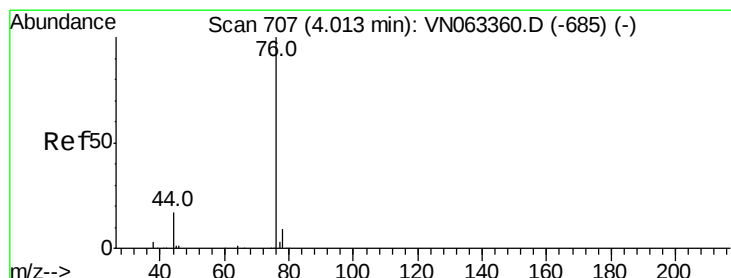
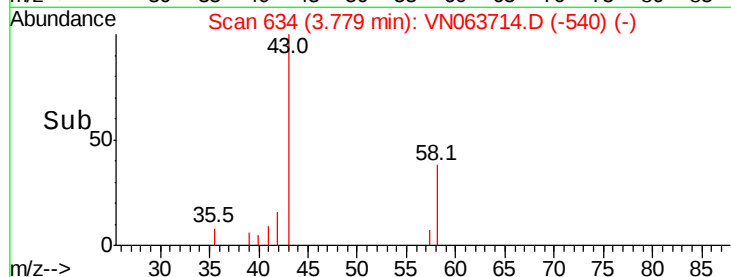
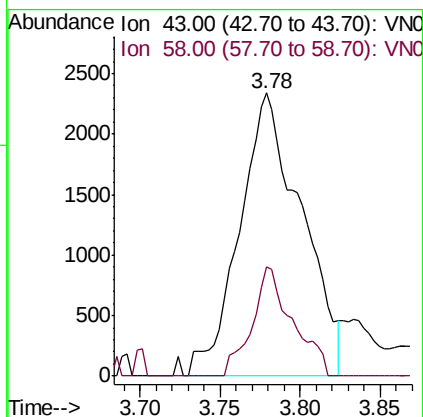
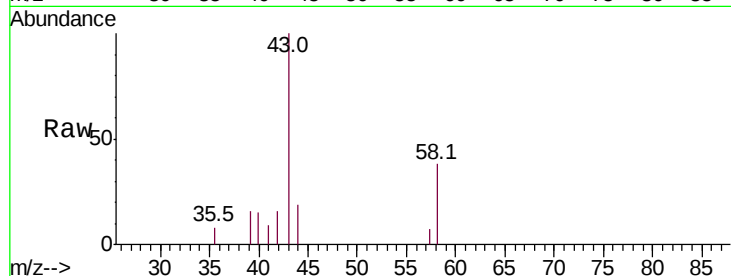
TP-2

Tot Ion: 43 Resp: 6246

Ion Ratio Lower Upper

43 100

58 38.5 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.793 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063714.D

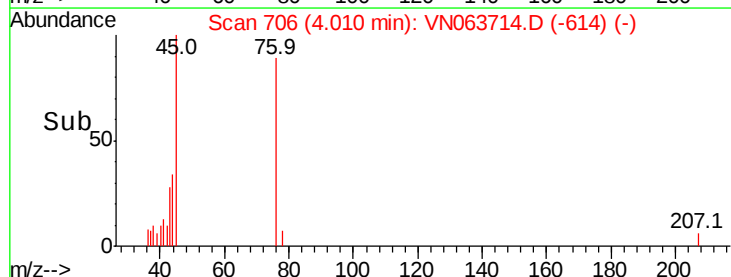
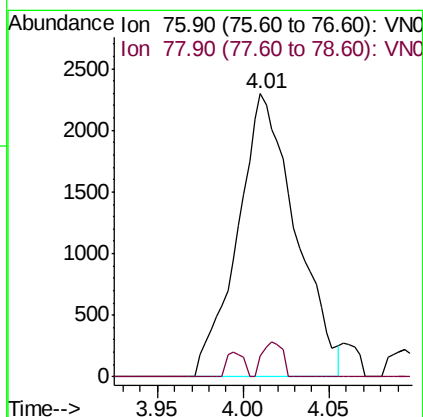
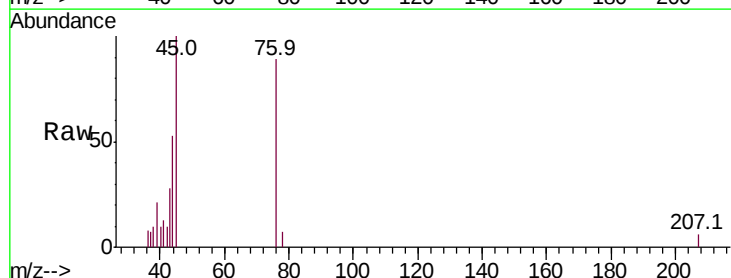
Acq: 28 Sep 2020 18:45

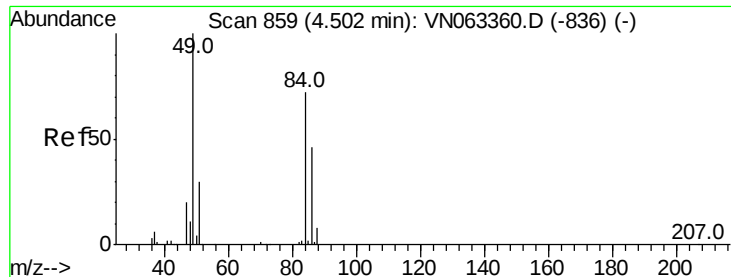
Tgt Ion: 76 Resp: 5399

Ion Ratio Lower Upper

76 100

78 7.4 7.2 10.8

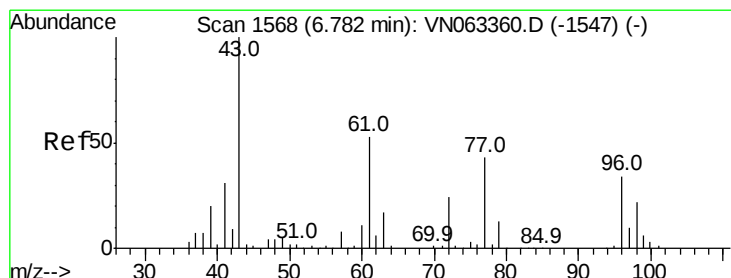
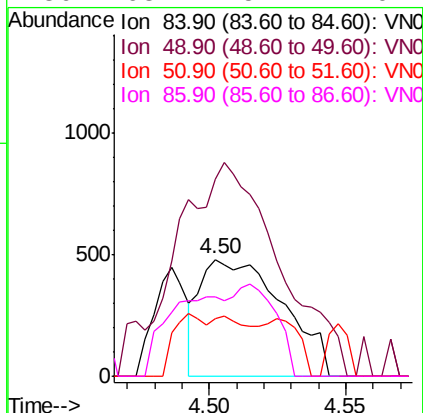
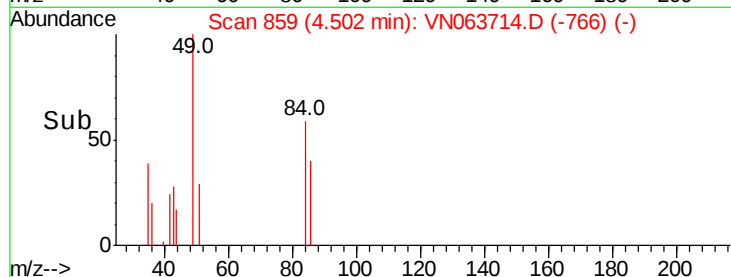
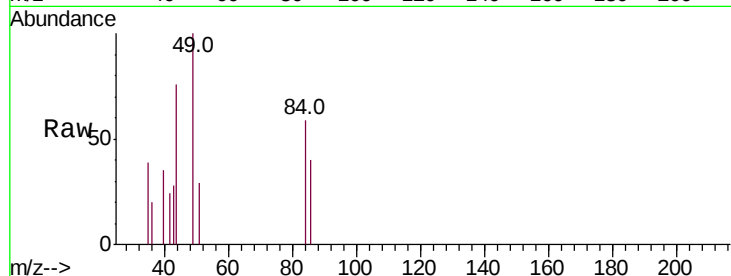




#20
Methvlene Chloride
Concen: 0.349 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063714.D
Acq: 28 Sep 2020 18:45

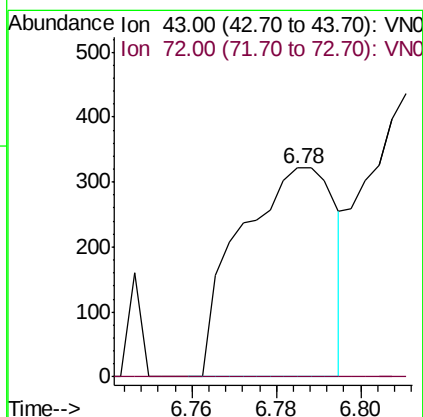
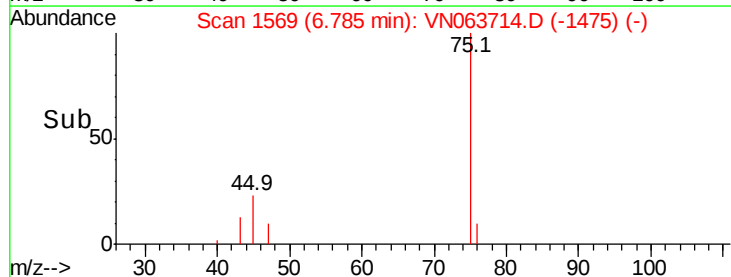
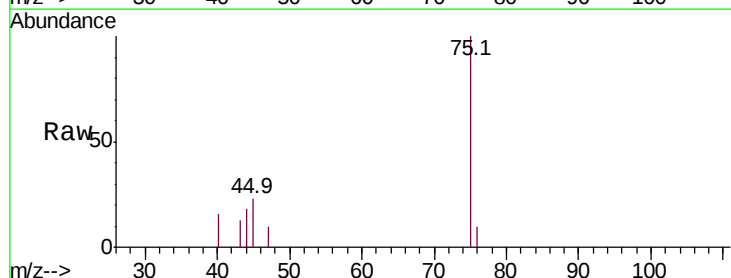
Instrument :
MSVOA_N
ClientSampled :
TP-2

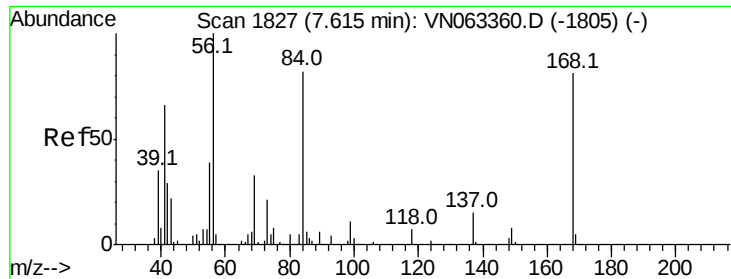
Tot Ion: 84 Resp: 1004
Ion Ratio Lower Upper
84 100
49 134.9 110.7 166.1
51 4.8 32.9 49.3#
86 68.1 51.1 76.7



#25
2-Butanone
Concen: 0.288 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063714.D
Acq: 28 Sep 2020 18:45

Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#

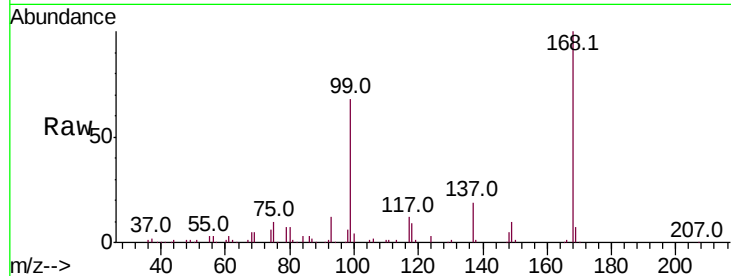




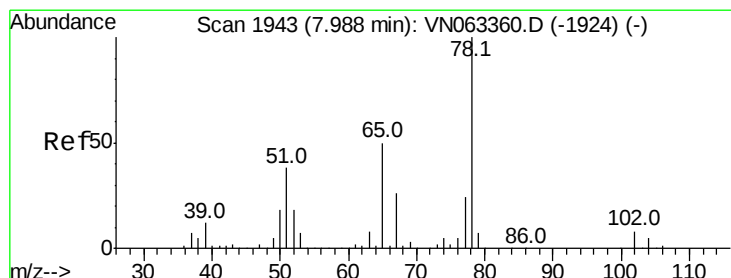
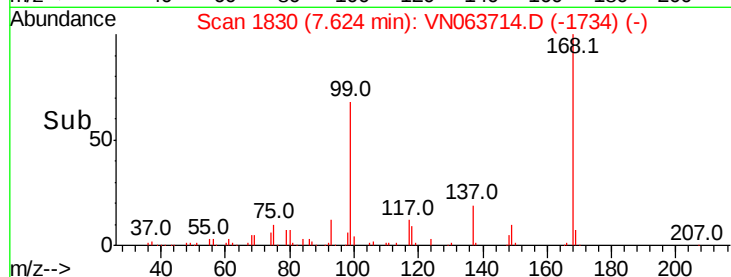
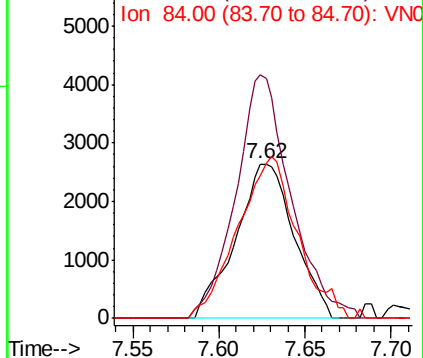
#31
Cyclohexane
Concen: 1.280 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063714.D
Acq: 28 Sep 2020 18:45

Instrument :
MSVOA_N
ClientSampled :
TP-2

Tot Ion: 56 Resp: 6237
Ion Ratio Lower Upper
56 100
69 157.7 26.1 39.1#
84 92.4 65.4 98.2

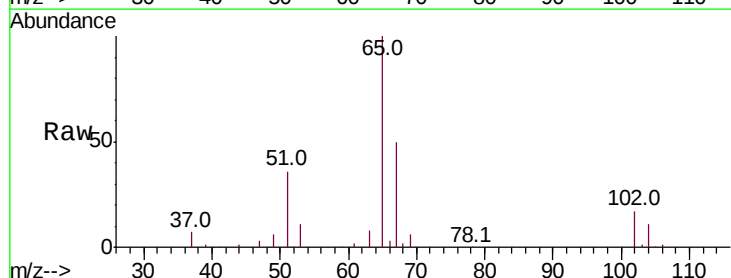


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

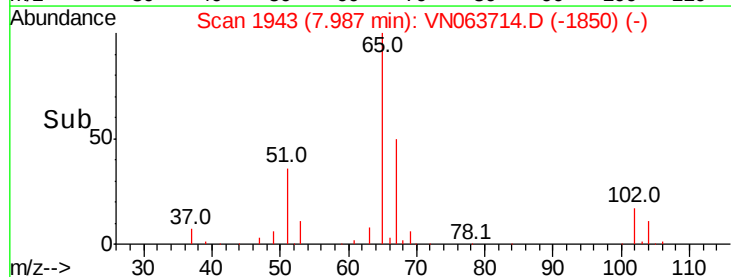
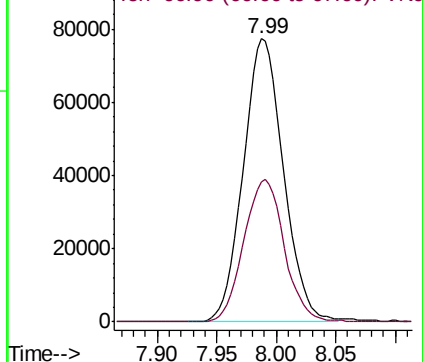


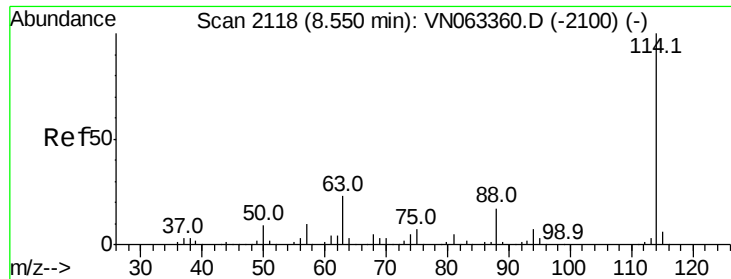
#33
1,2-Dichloroethane-d4
Concen: 51.226 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063714.D
Acq: 28 Sep 2020 18:45

Tgt Ion: 65 Resp: 180753
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

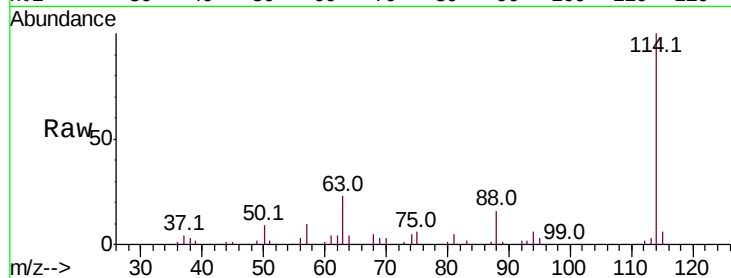




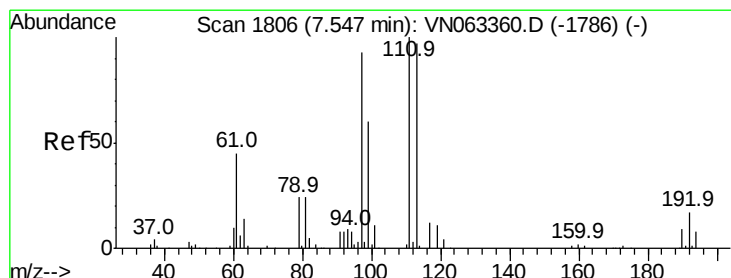
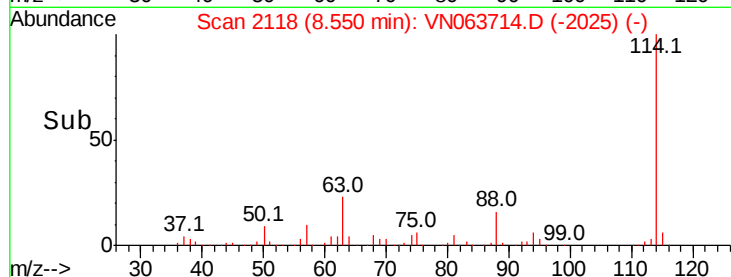
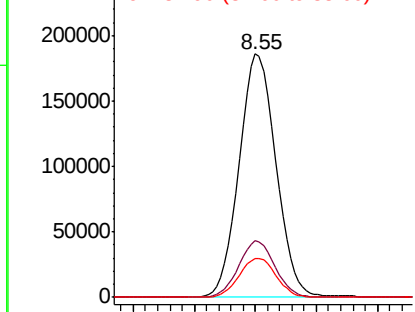
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063714.D
 Acq: 28 Sep 2020 18:45

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Tot Ion:	114	Resp:	388840
Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	46.4
88	15.9	0.0	33.2

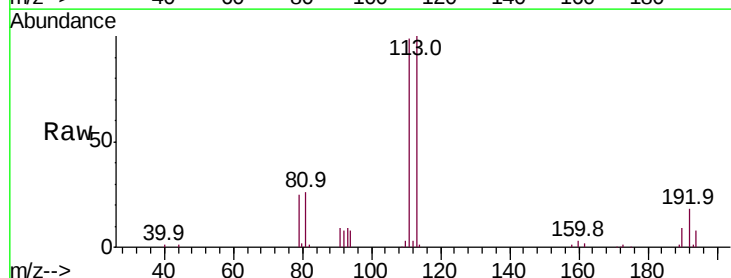


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

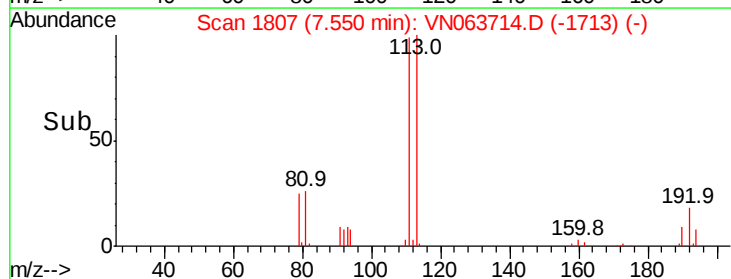
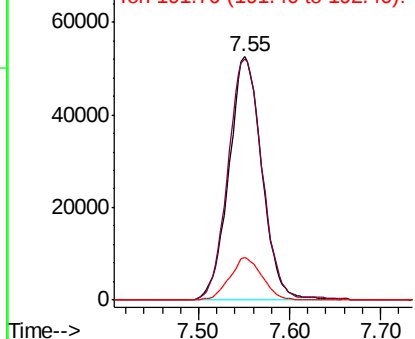


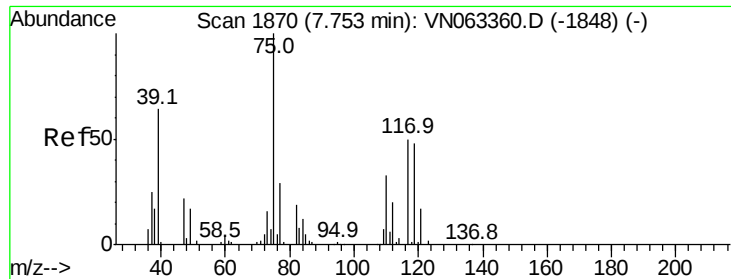
#35
 Dibromofluoromethane
 Concen: 49.214 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063714.D
 Acq: 28 Sep 2020 18:45

Tgt Ion:	113	Resp:	132476
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.9	124.3
192	17.2	13.9	20.9



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: 4.469 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063714.D

Acq: 28 Sep 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

TP-2

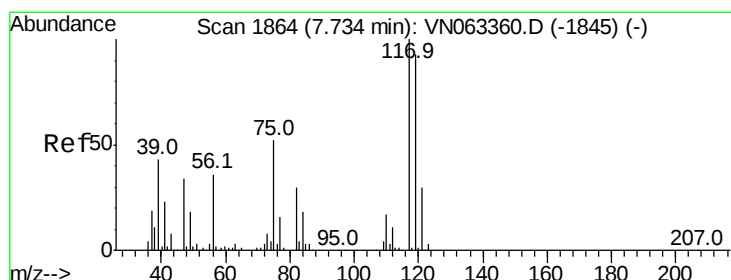
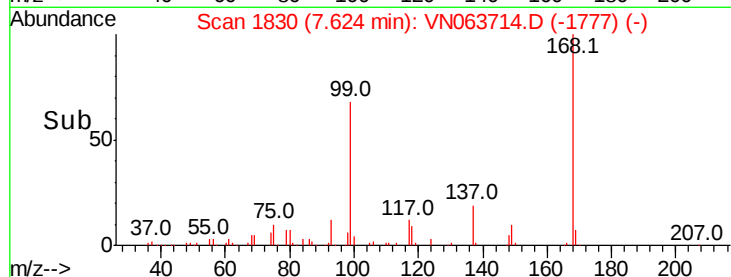
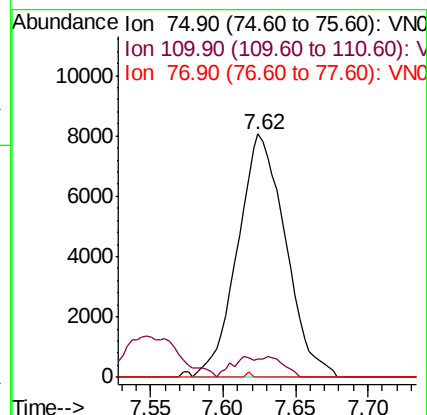
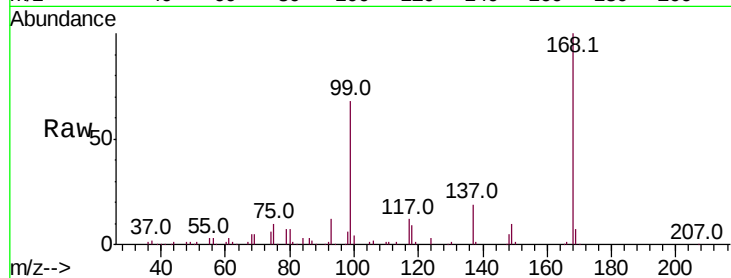
Tot Ion: 75 Resp: 18514

Ion Ratio Lower Upper

75 100

110 3.9 16.5 49.5#

77 0.2 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.653 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063714.D

Acq: 28 Sep 2020 18:45

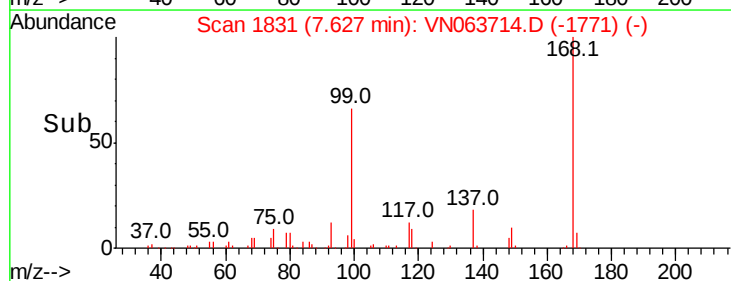
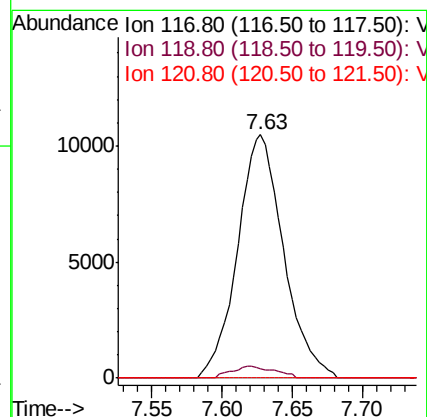
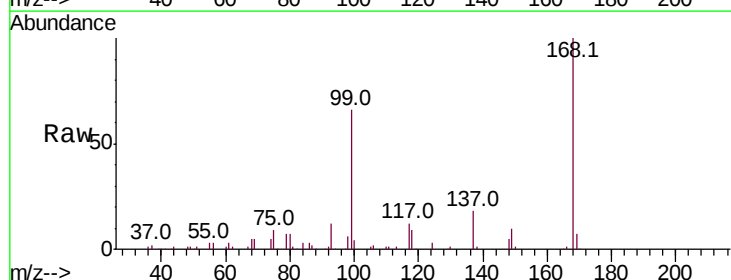
Tgt Ion: 117 Resp: 23905

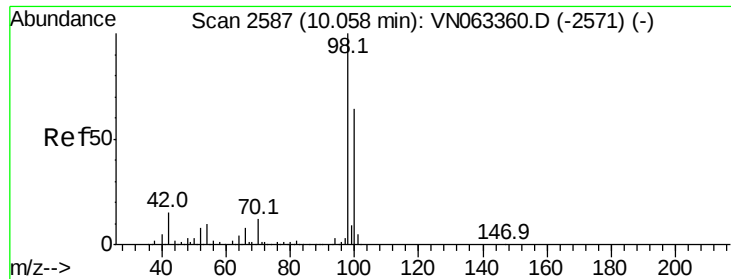
Ion Ratio Lower Upper

117 100

119 3.7 74.5 111.7#

121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 49.514 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063714.D

Acq: 28 Sep 2020 18:45

Instrument :

MSVOA_N

ClientSampled :

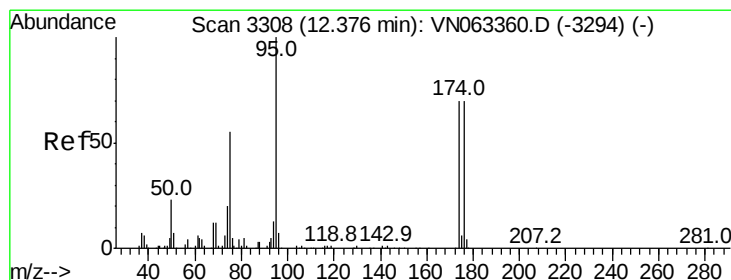
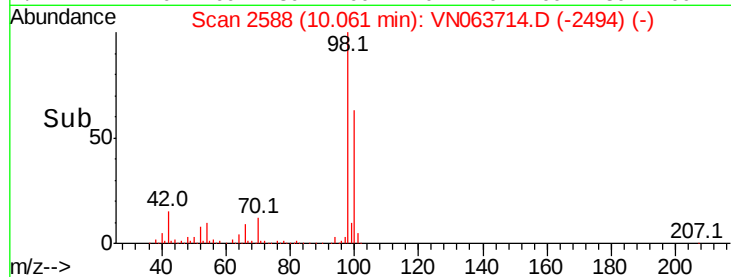
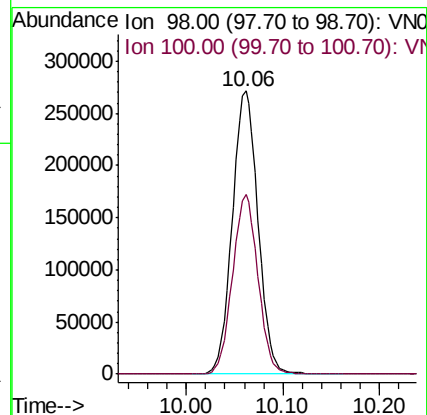
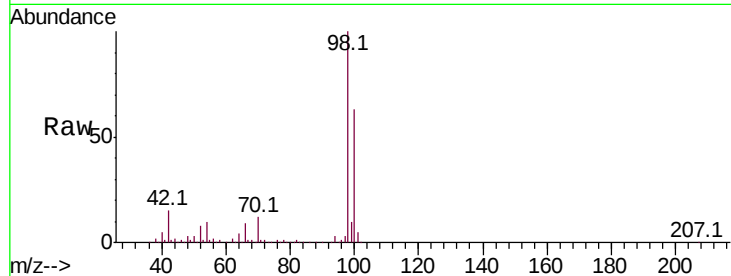
TP-2

Tot Ion: 98 Resp: 501176

Ion Ratio Lower Upper

98 100

100 62.5 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 53.166 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063714.D

Acq: 28 Sep 2020 18:45

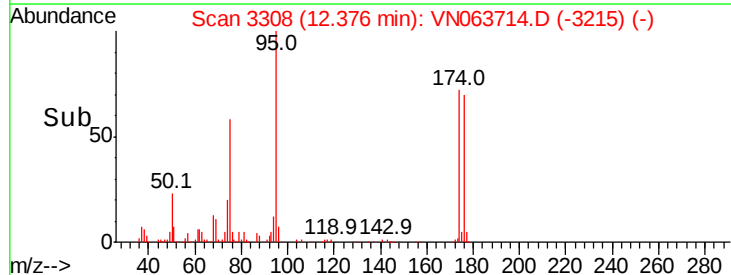
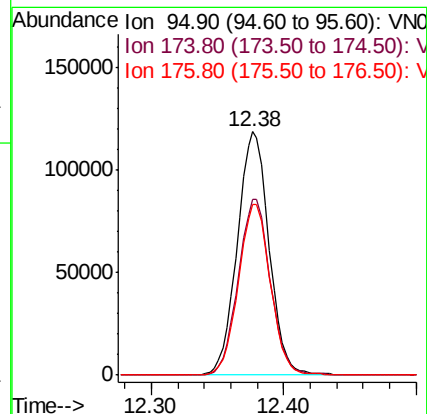
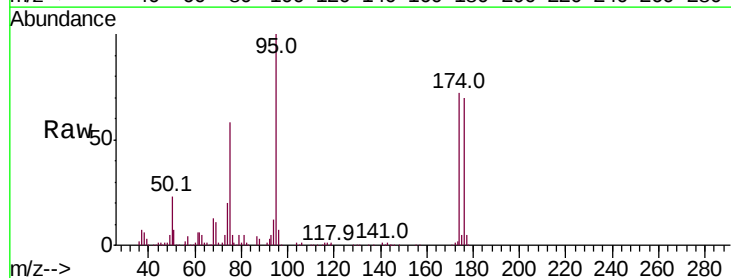
Tgt Ion: 95 Resp: 197271

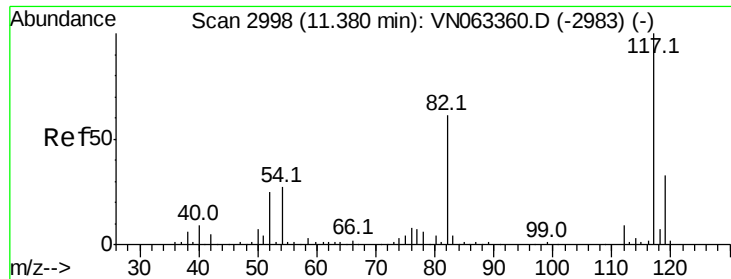
Ion Ratio Lower Upper

95 100

174 73.2 0.0 140.8

176 70.7 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: VN063714.D

Acq: 28 Sep 2020 18:45

Instrument :

MSVOA_N

ClientSampled :

TP-2

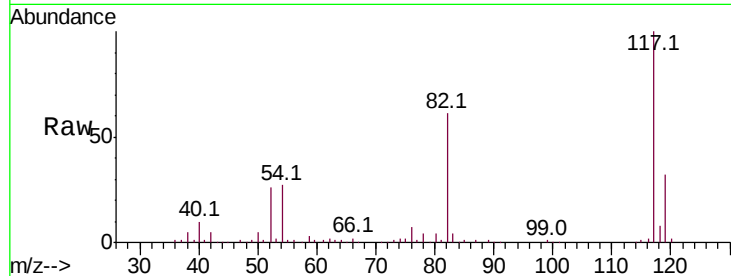
Tot Ion:117 Resp: 395725

Ion Ratio Lower Upper

117 100

82 61.4 49.2 73.8

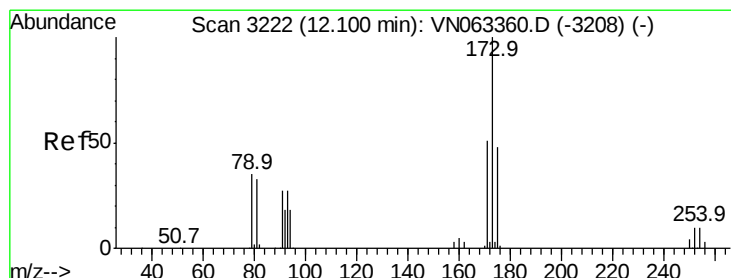
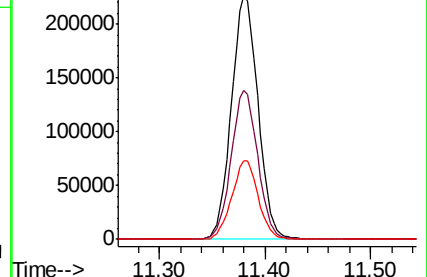
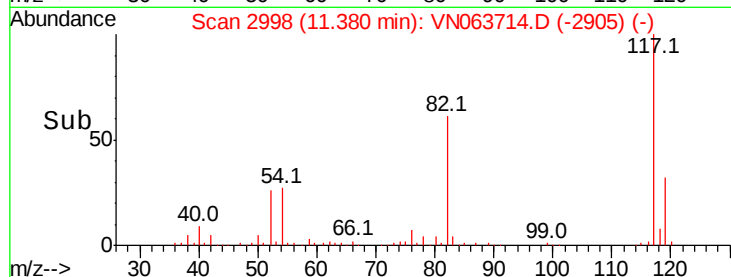
119 32.2 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.554 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN063714.D

Acq: 28 Sep 2020 18:45

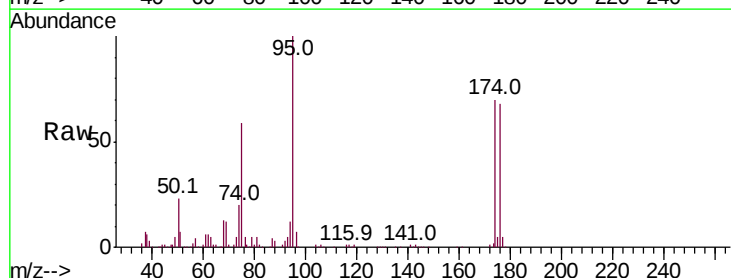
Tgt Ion:173 Resp: 1270

Ion Ratio Lower Upper

173 100

175 744.9 24.0 72.0#

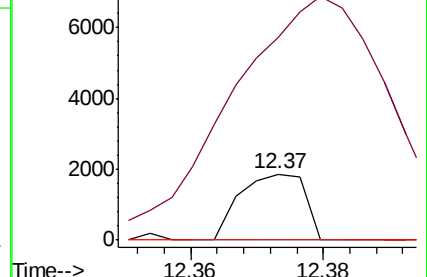
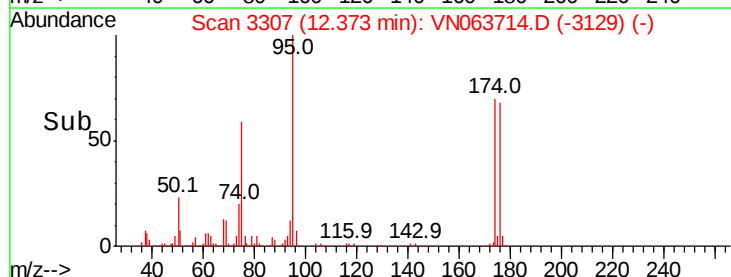
254 0.0 0.0 0.0

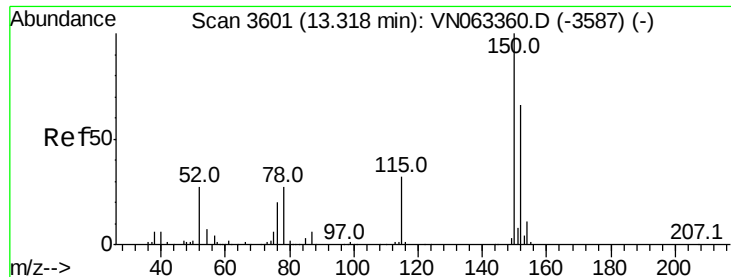


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063714.D

Acq: 28 Sep 2020 18:45

Instrument :

MSVOA_N

ClientSampled :

TP-2

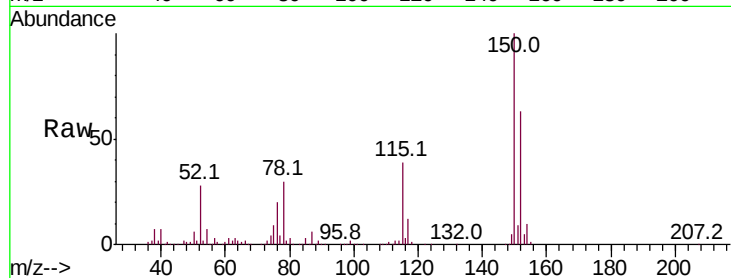
Tot Ion:152 Resp: 168817

Ion Ratio Lower Upper

152 100

115 61.4 32.2 96.6

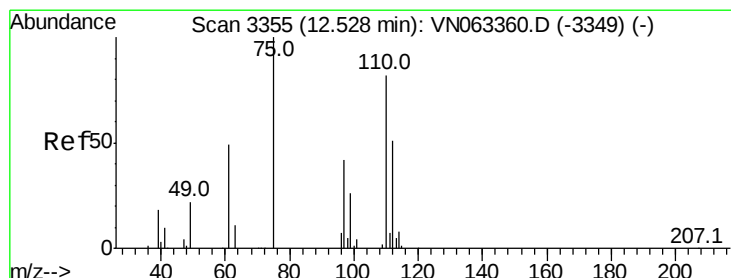
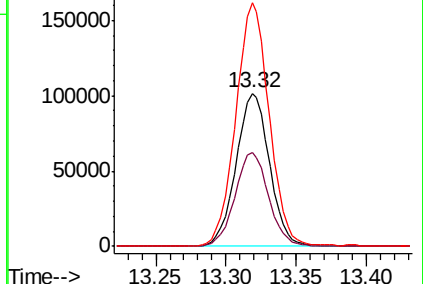
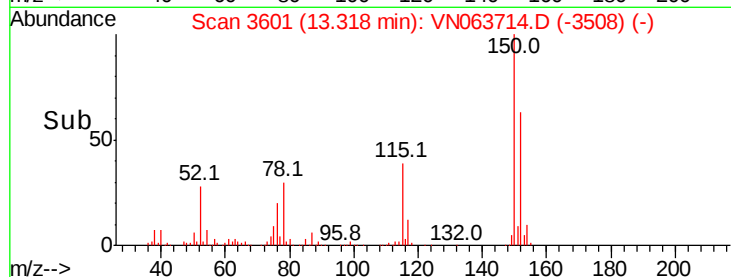
150 159.0 0.0 343.4



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: 27.202 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063714.D

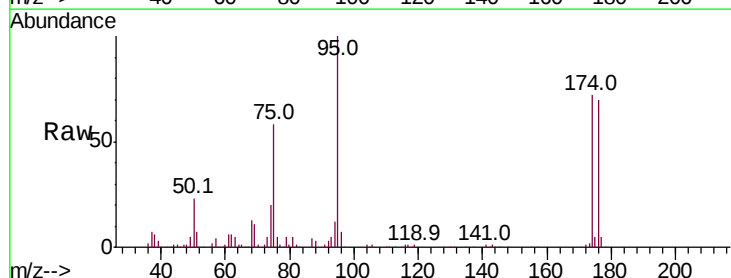
Acq: 28 Sep 2020 18:45

Tgt Ion: 75 Resp: 113661

Ion Ratio Lower Upper

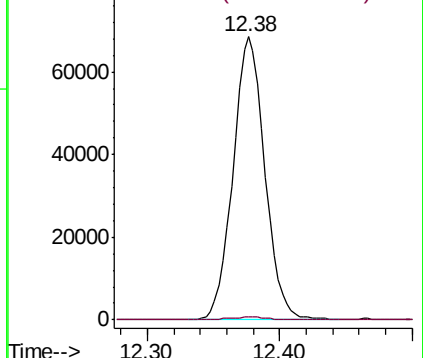
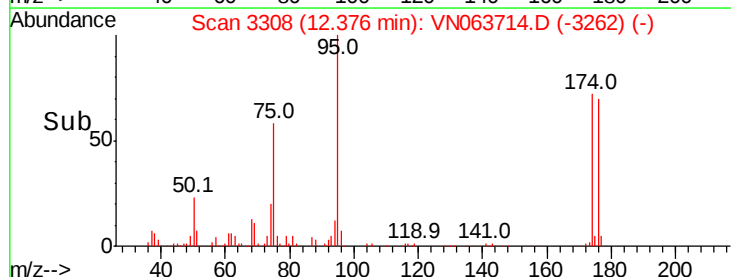
75 100

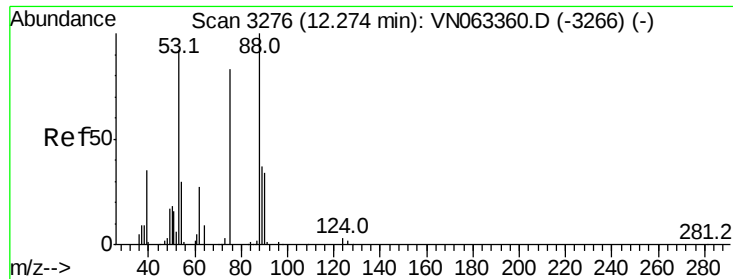
77 1.1 0.0 0.0#



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: 74.577 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063714.D

Acq: 28 Sep 2020 18:45

Instrument :

MSVOA_N

ClientSampleId :

TP-2

Tot Ion: 75 Resp: 113661

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

