

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092520\
 Data File : VN063690.D
 Acq On : 25 Sep 2020 19:54
 Operator : JC/MD
 Sample : L4133-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Sep 28 02:04:43 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	189294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	351456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	364448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	151241	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	167424	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
35) Dibromofluoromethane	7.55	113	120555	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	10.06	98	460574	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.38	95	176518	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	

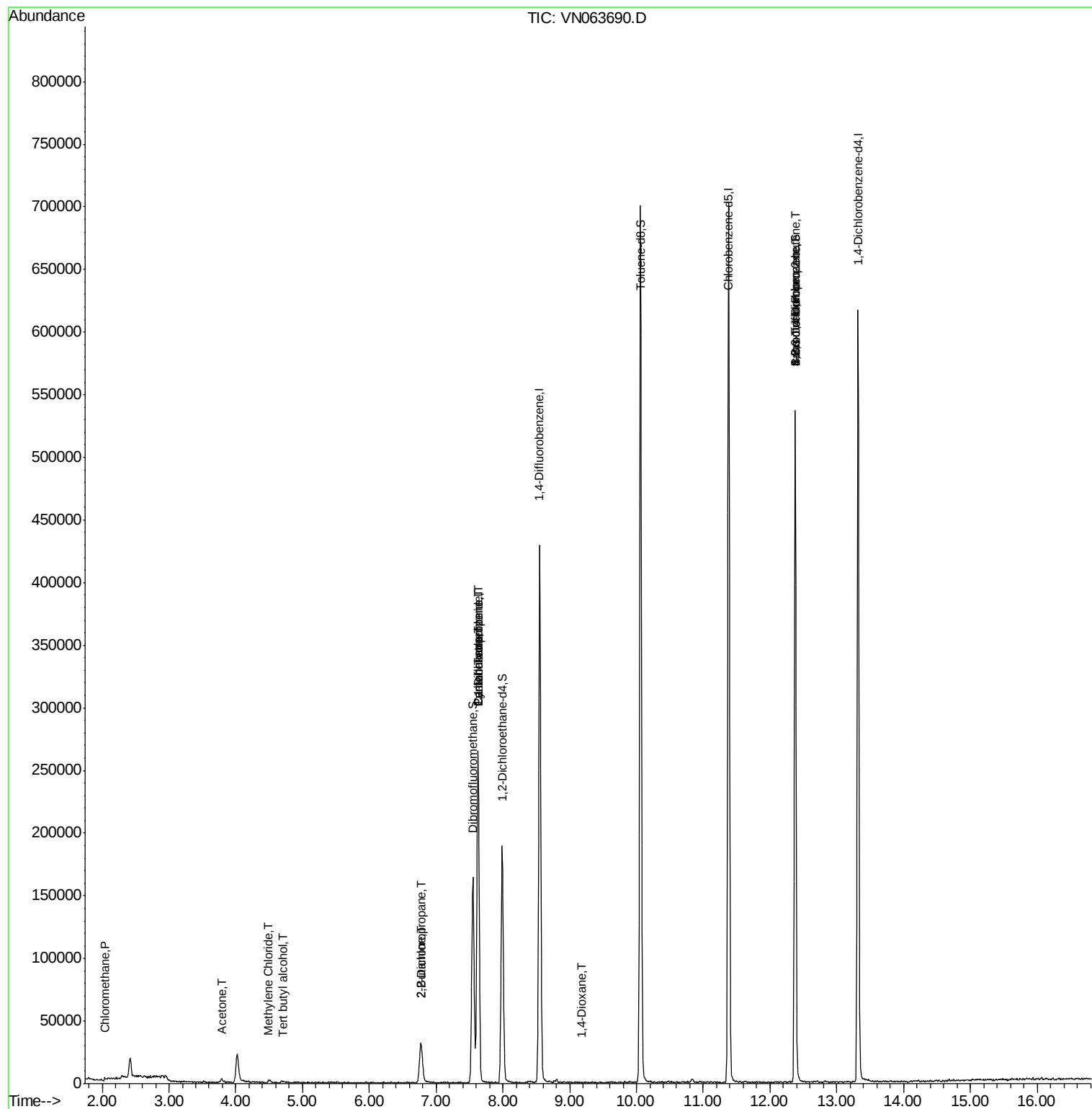
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	981	0.346	ug/l #	43
11) Tert butyl alcohol	4.70	59	548	1.228	ug/l #	72
16) Acetone	3.79	43	4219	4.074	ug/l	98
20) Methylene Chloride	4.50	84	600	0.229	ug/l #	81
25) 2-Butanone	6.78	43	2206	1.385	ug/l #	80
26) 2,2-Dichloropropane	6.77	77	1571	0.379	ug/l #	55
31) Cyclohexane	7.62	56	6127	1.377	ug/l #	47
36) 1,1-Dichloropropene	7.62	75	18433	4.923	ug/l #	48
38) Carbon Tetrachloride	7.63	117	21348	5.585	ug/l #	18
49) 1,4-Dioxane	9.18	88	59	1.273	ug/l #	1
71) Bromoform	12.37	173	520	0.246	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	102077	27.268	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	102077	74.759	ug/l #	7

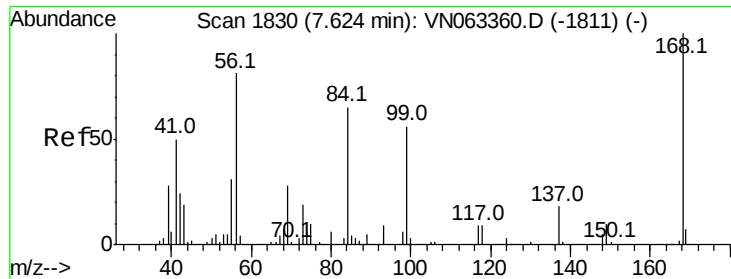
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN063690.D

Acq: 25 Sep 2020 19:54

Instrument :

MSVOA_N

ClientSampleId :

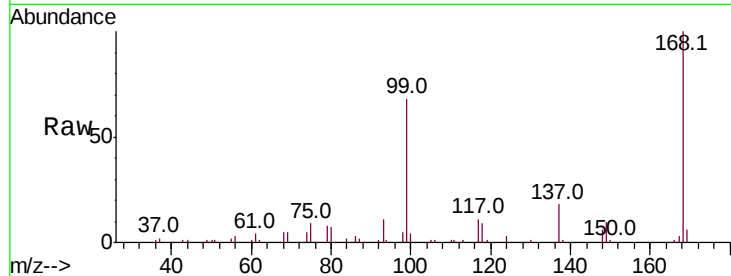
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Tot Ion:168 Resp: 189294

Ion Ratio Lower Upper

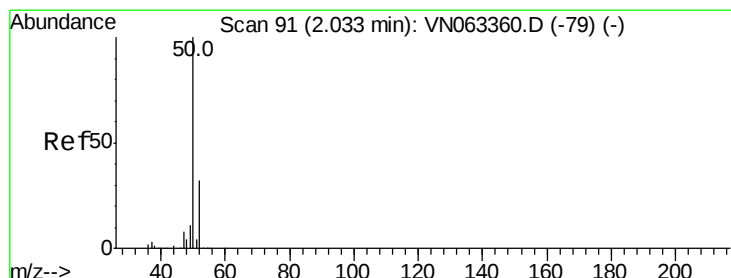
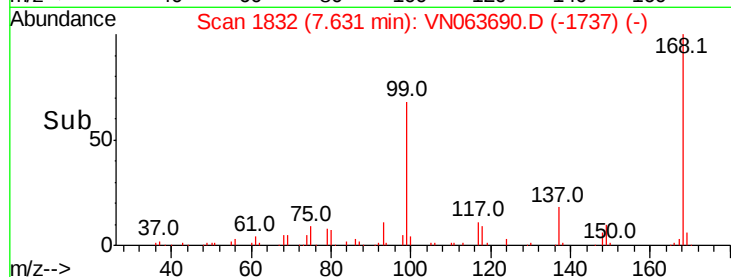
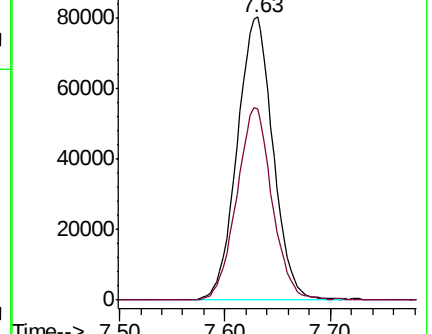
168 100

99 67.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.346 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063690.D

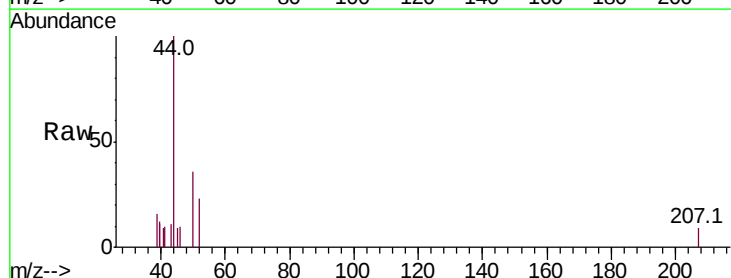
Acq: 25 Sep 2020 19:54

Tgt Ion: 50 Resp: 981

Ion Ratio Lower Upper

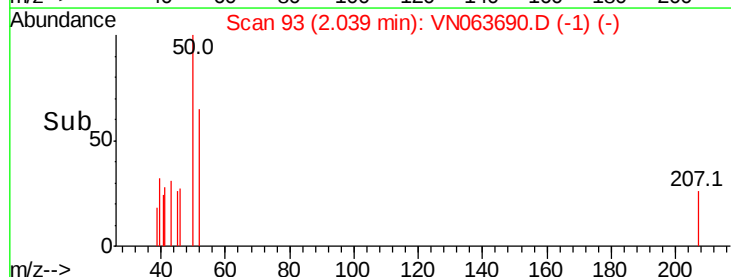
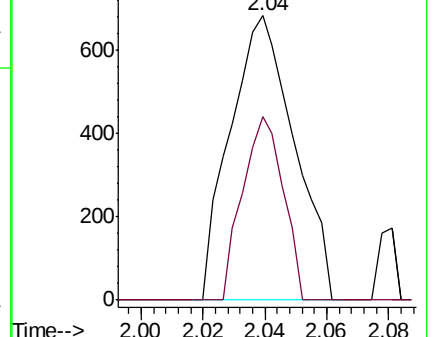
50 100

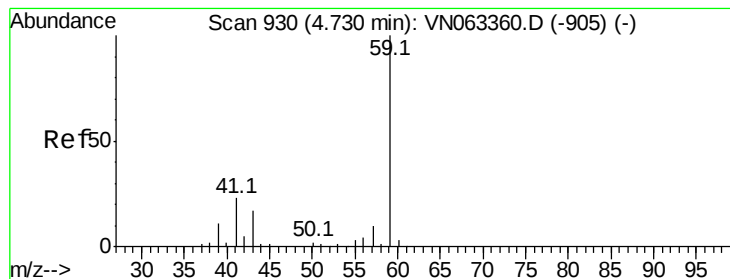
52 64.5 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN



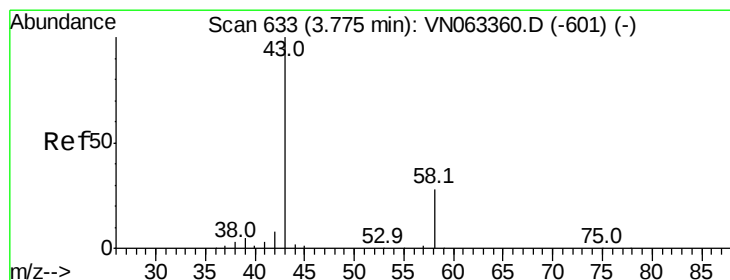
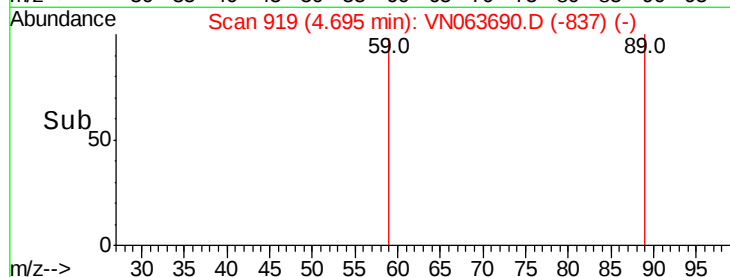
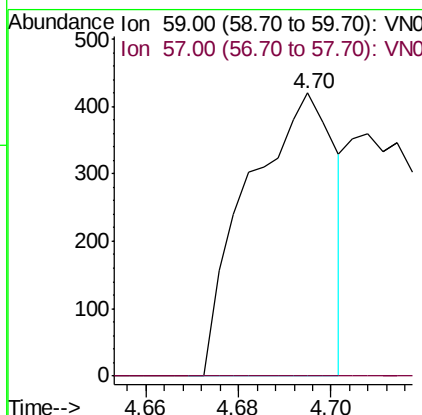
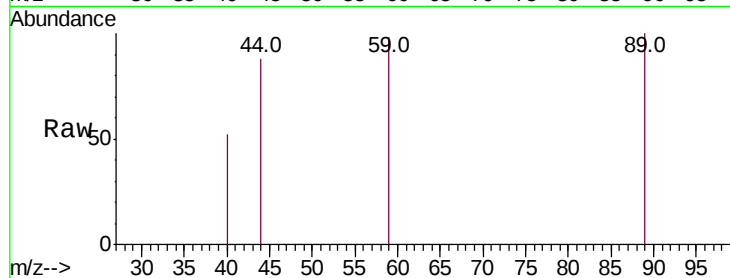


#11

Tert butyl alcohol
 Concen: 1.228 ug/l
 RT: 4.70 min Scan# 919
 Delta R.T. -0.04 min
 Lab File: VN063690.D
 Acq: 25 Sep 2020 19:54

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

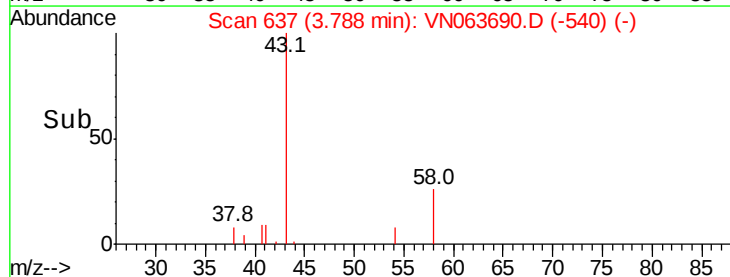
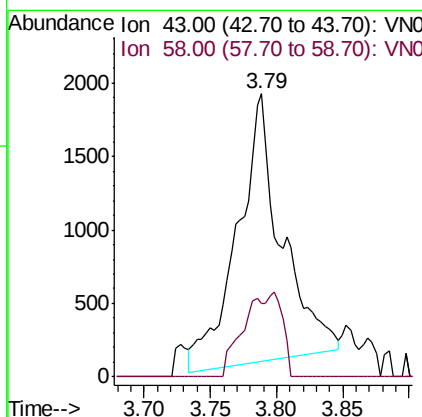
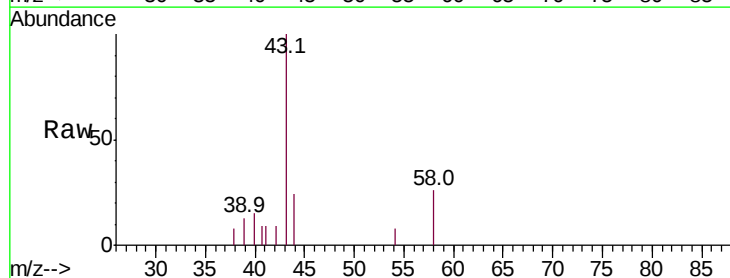
Tot Ion: 59 Resp: 548
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

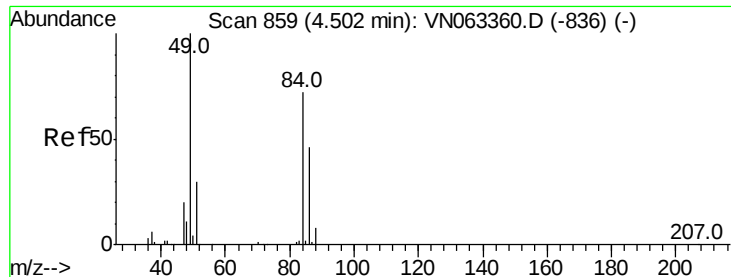


#16

Acetone
 Concen: 4.074 ug/l
 RT: 3.79 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VN063690.D
 Acq: 25 Sep 2020 19:54

Tgt Ion: 43 Resp: 4219
 Ion Ratio Lower Upper
 43 100
 58 28.7 22.3 33.5

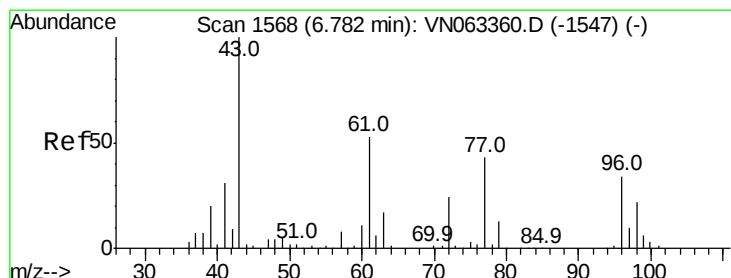
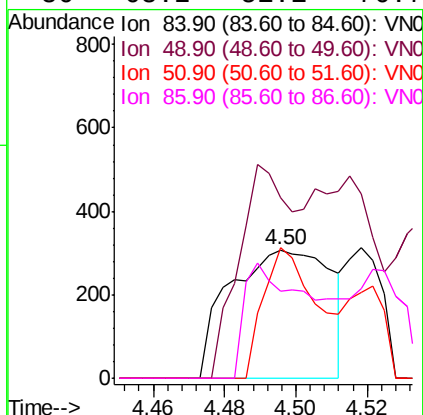
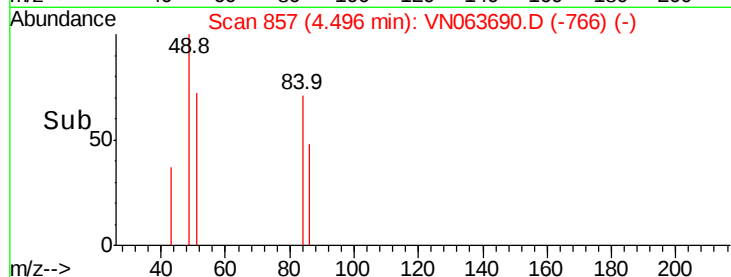
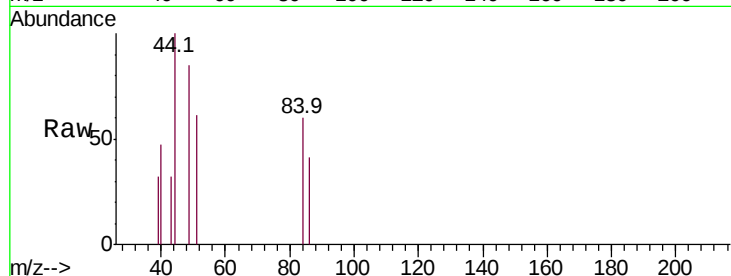




#20
Methylene Chloride
Concen: 0.229 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN063690.D
Acq: 25 Sep 2020 19:54

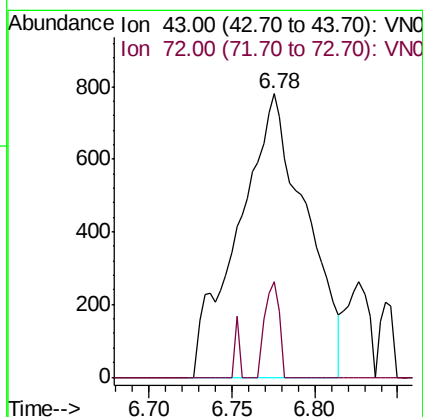
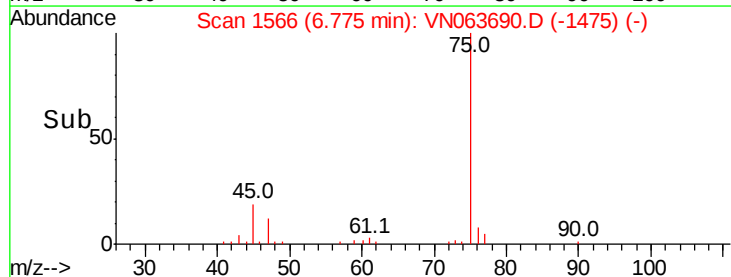
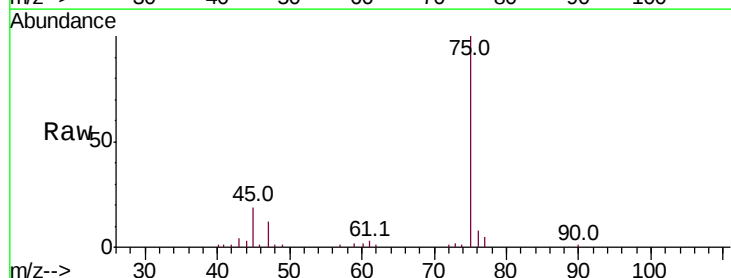
Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

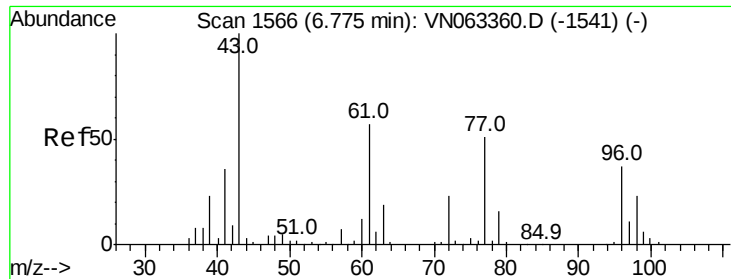
Tot Ion: 84 Resp: 600
Ion Ratio Lower Upper
84 100
49 140.6 110.7 166.1
51 101.3 32.9 49.3#
86 68.2 51.1 76.7



#25
2-Butanone
Concen: 1.385 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VN063690.D
Acq: 25 Sep 2020 19:54

Tgt Ion: 43 Resp: 2206
Ion Ratio Lower Upper
43 100
72 33.8 19.2 28.8#

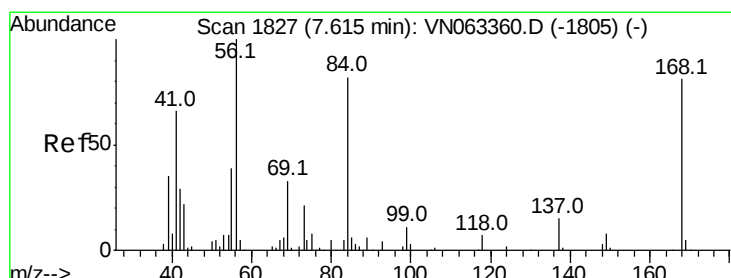
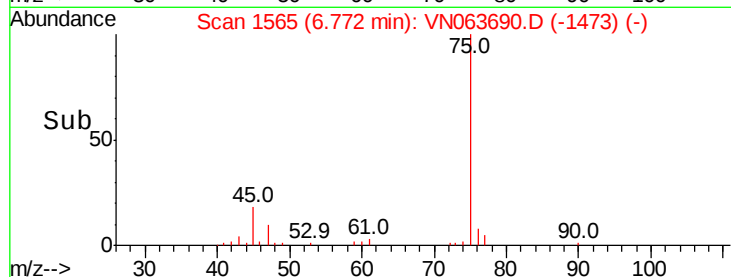
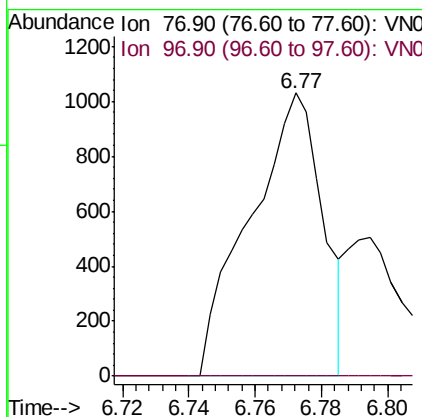
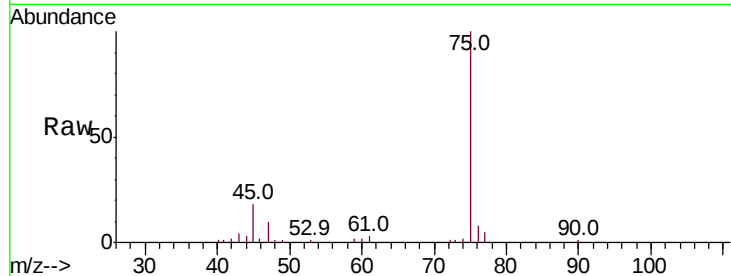




#26
 2,2-Dichloropropane
 Concen: 0.379 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN063690.D
 Acq: 25 Sep 2020 19:54

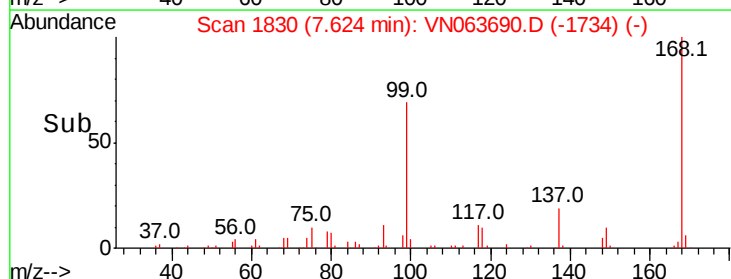
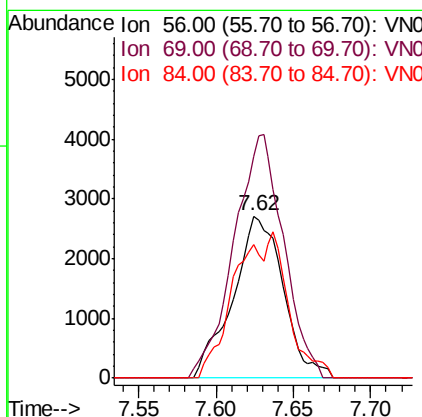
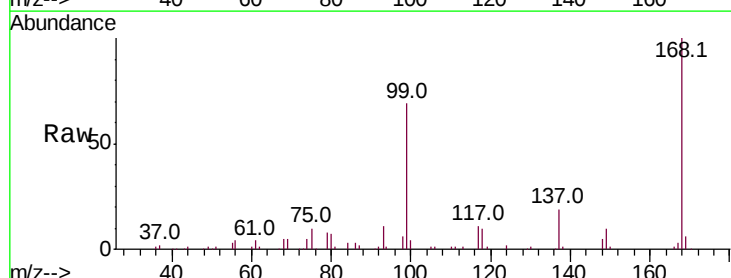
Instrument :
 MSVOA_N
 ClientSampleId :
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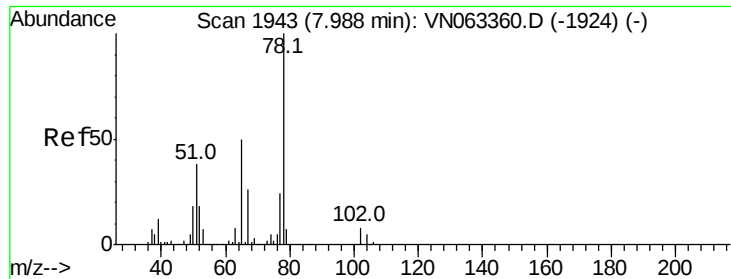
Tot Ion: 77 Resp: 1571
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.5 31.6#



#31
 Cyclohexane
 Concen: 1.377 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. 0.01 min
 Lab File: VN063690.D
 Acq: 25 Sep 2020 19:54

Tgt Ion: 56 Resp: 6127
 Ion Ratio Lower Upper
 56 100
 69 137.3 26.1 39.1#
 84 82.3 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 51.958 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

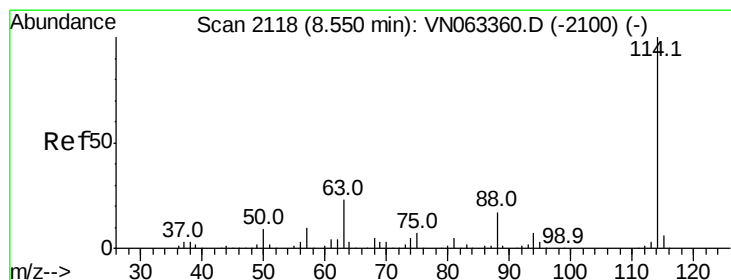
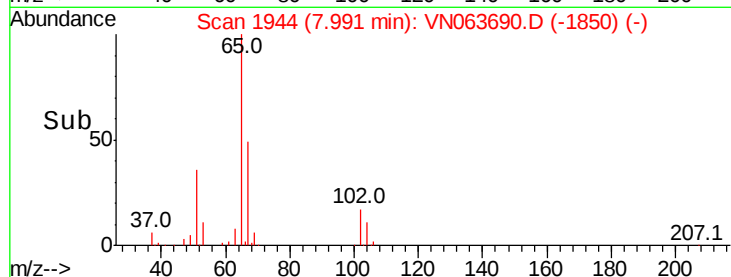
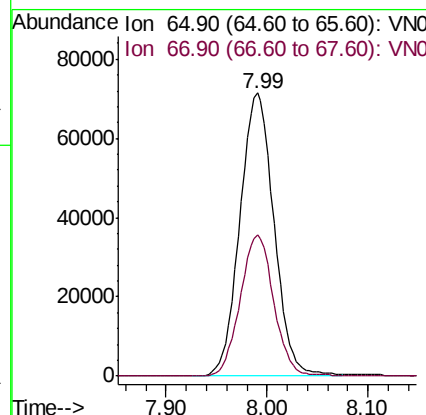
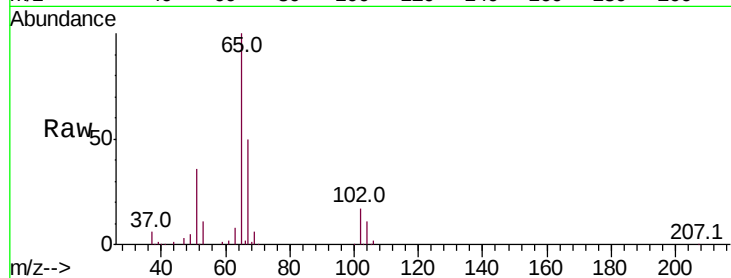
Lab File: VN063690.D

Acq: 25 Sep 2020 19:54

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion: 65 Resp: 167424

Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

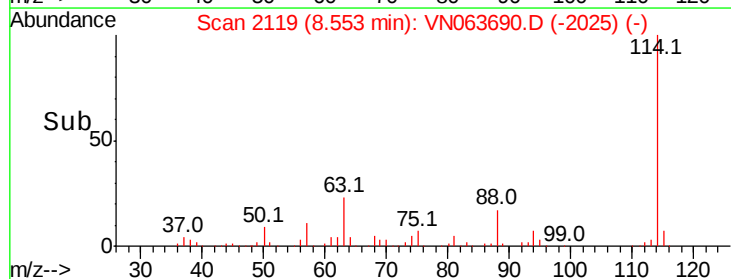
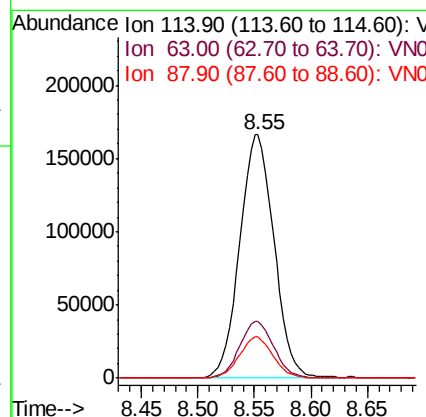
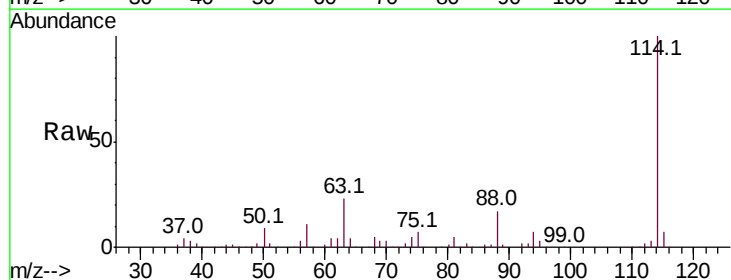
Delta R.T. 0.00 min

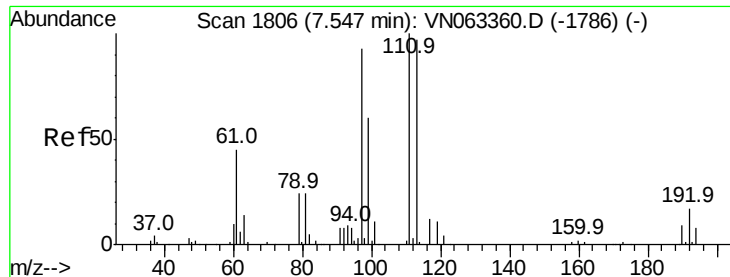
Lab File: VN063690.D

Acq: 25 Sep 2020 19:54

Tgt Ion: 114 Resp: 351456

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	46.4
88	16.9	0.0	33.2





#35

Dibromofluoromethane

Concen: 49.549 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063690.D

Acq: 25 Sep 2020 19:54

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

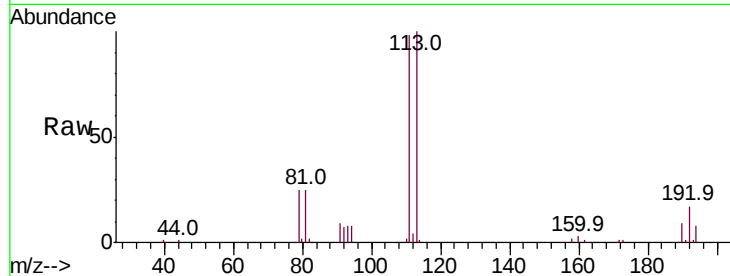
Tot Ion:113 Resp: 120555

Ion Ratio Lower Upper

113 100

111 104.4 82.9 124.3

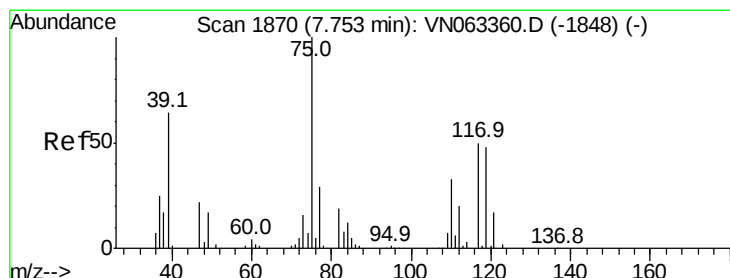
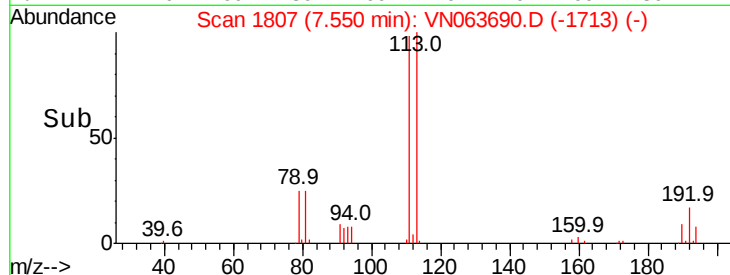
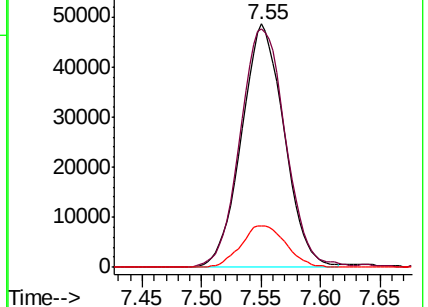
192 18.1 13.9 20.9



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: 4.923 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063690.D

Acq: 25 Sep 2020 19:54

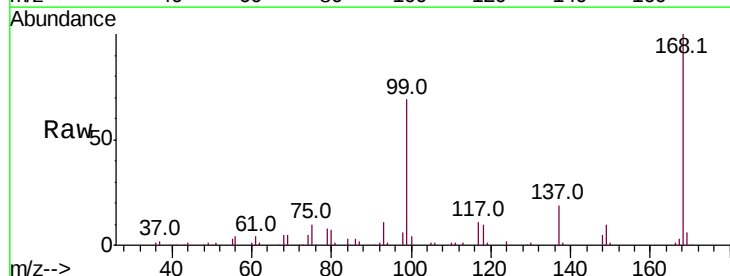
Tgt Ion: 75 Resp: 18433

Ion Ratio Lower Upper

75 100

110 6.3 16.5 49.5#

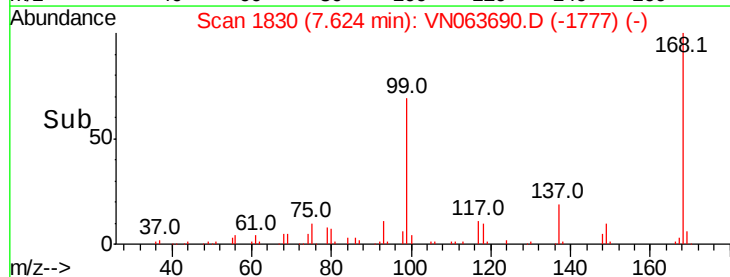
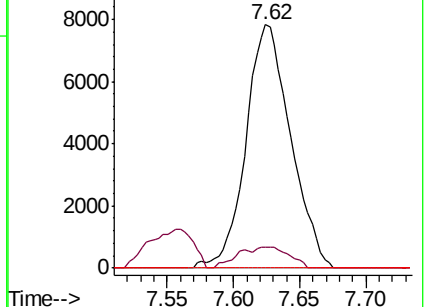
77 0.0 24.6 36.8#

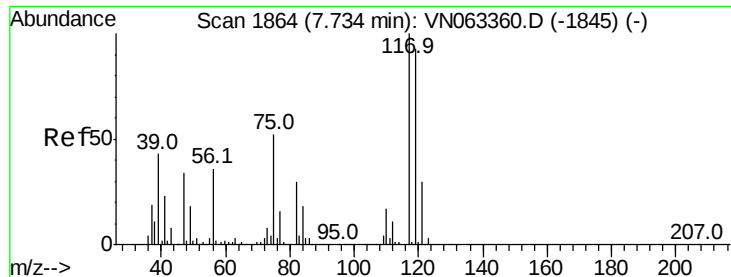


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

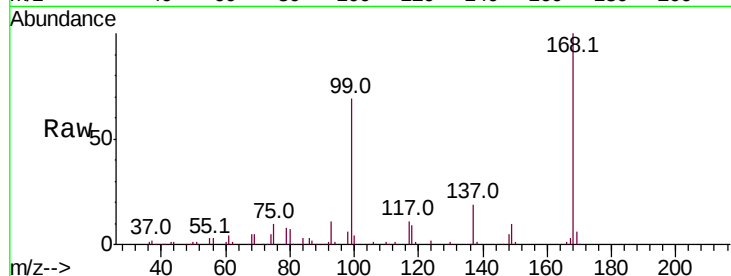




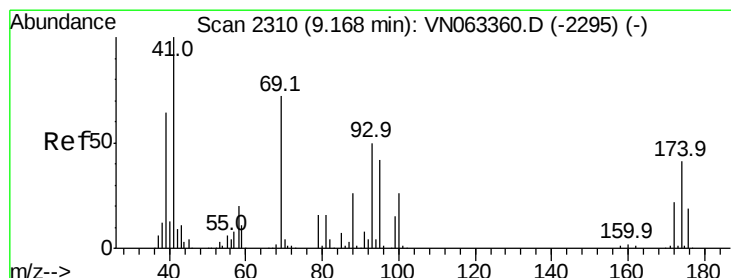
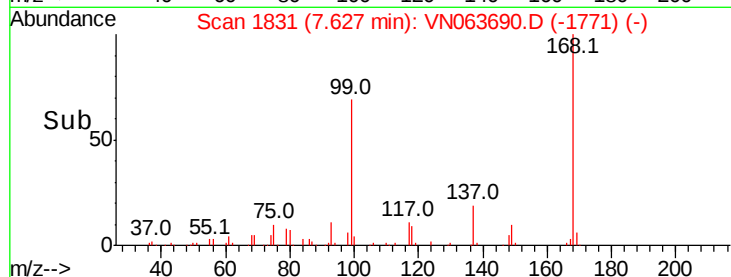
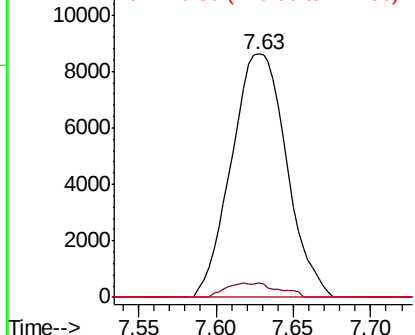
#38
Carbon Tetrachloride
Concen: 5.585 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063690.D
Acq: 25 Sep 2020 19:54

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:117 Resp: 21348
Ion Ratio Lower Upper
117 100
119 6.0 74.5 111.7#
121 0.0 24.1 36.1#

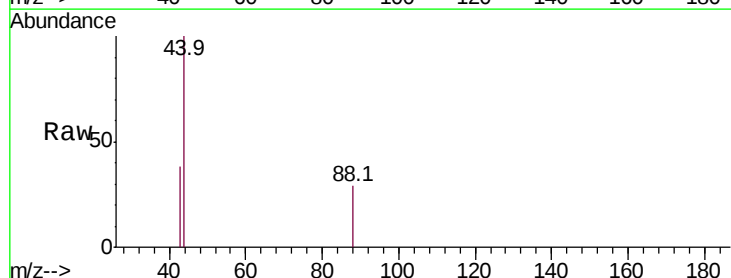


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

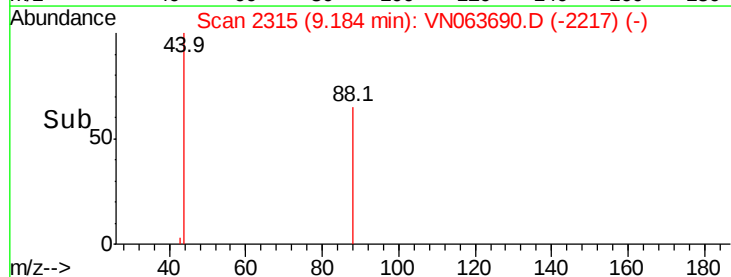
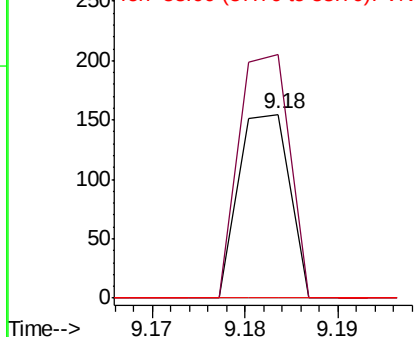


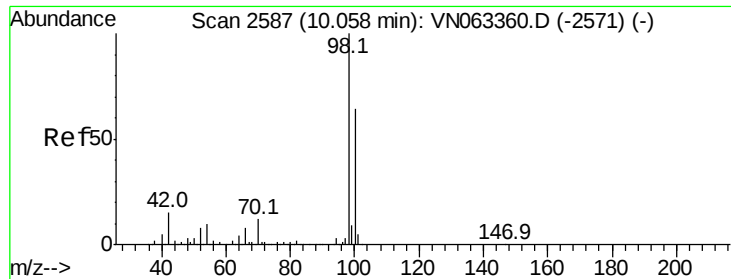
#49
1,4-Dioxane
Concen: 1.273 ug/l
RT: 9.18 min Scan# 2315
Delta R.T. 0.02 min
Lab File: VN063690.D
Acq: 25 Sep 2020 19:54

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 132.2 32.6 49.0#
58 0.0 60.0 90.0#



Abundance Ion 88.00 (87.70 to 88.70): V
Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 50.343 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063690.D

Acq: 25 Sep 2020 19:54

Instrument :

MSVOA_N

ClientSampled :

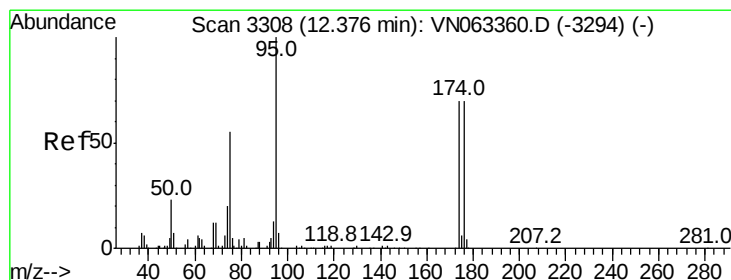
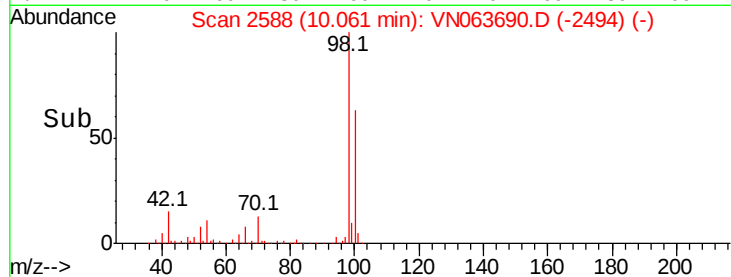
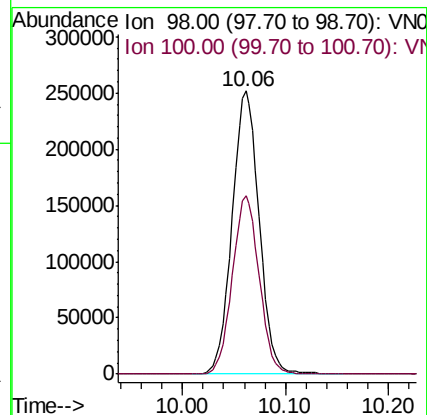
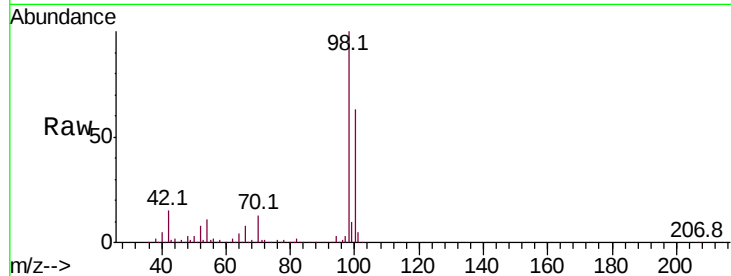
TRIP-BLANK

Tot Ion: 98 Resp: 460574

Ion Ratio Lower Upper

98 100

100 62.5 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 52.633 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063690.D

Acq: 25 Sep 2020 19:54

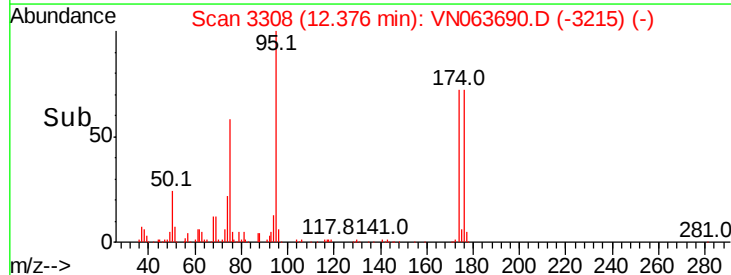
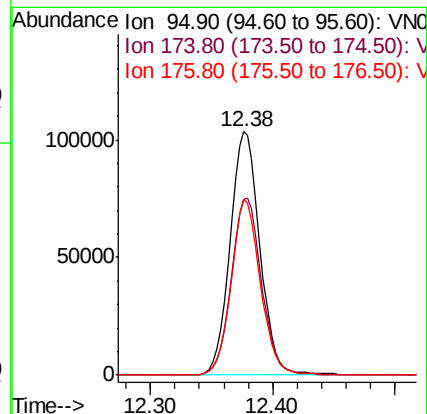
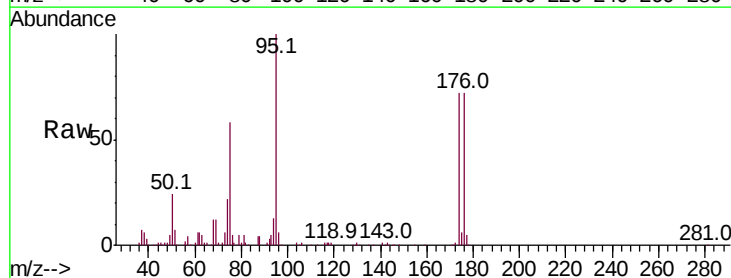
Tgt Ion: 95 Resp: 176518

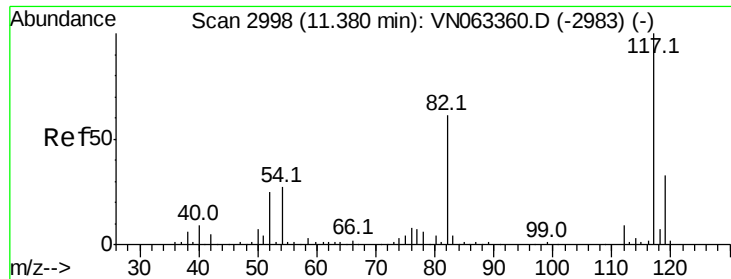
Ion Ratio Lower Upper

95 100

174 74.0 0.0 140.8

176 70.5 0.0 137.6

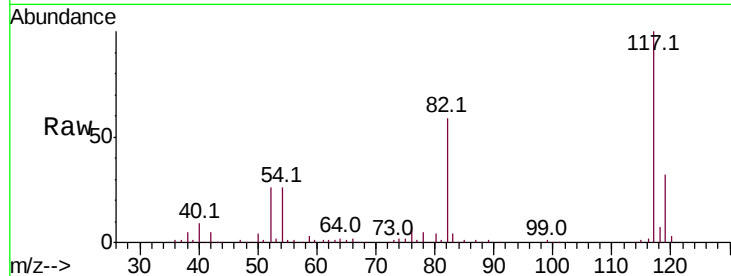




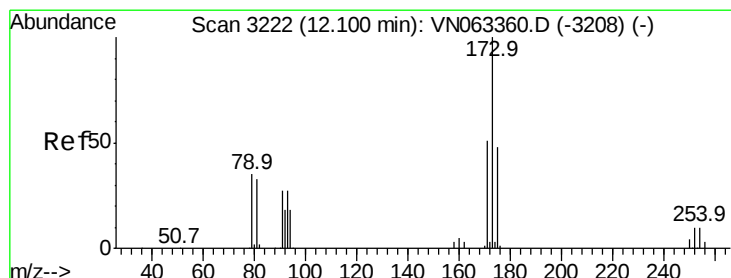
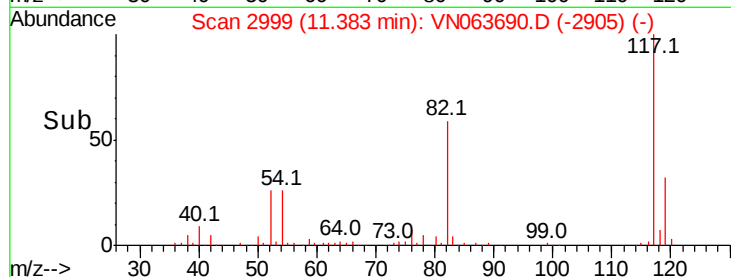
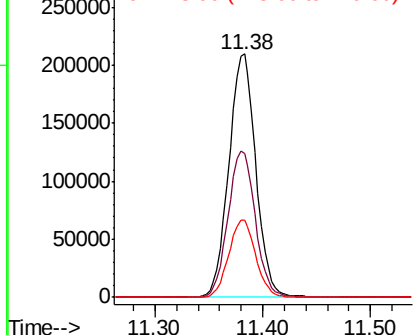
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063690.D
Acq: 25 Sep 2020 19:54

Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

Tot Ion:117 Resp: 364448
Ion Ratio Lower Upper
117 100
82 59.2 49.2 73.8
119 31.5 26.2 39.4

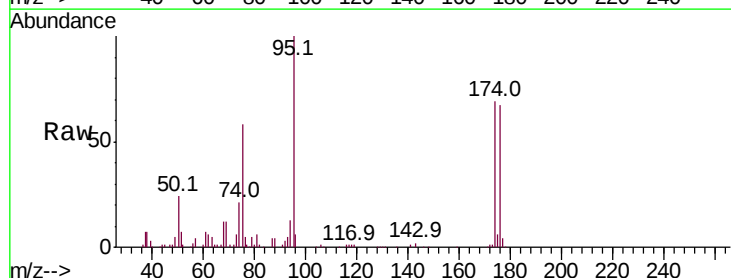


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

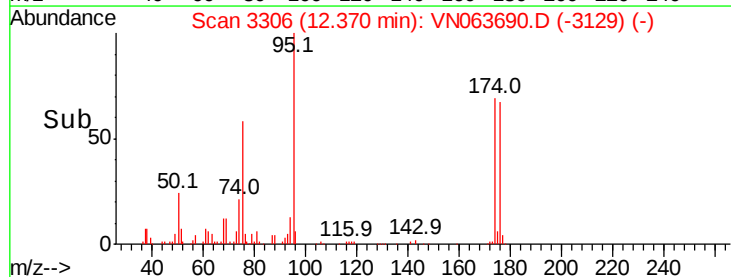
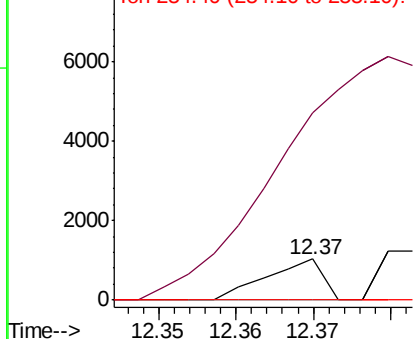


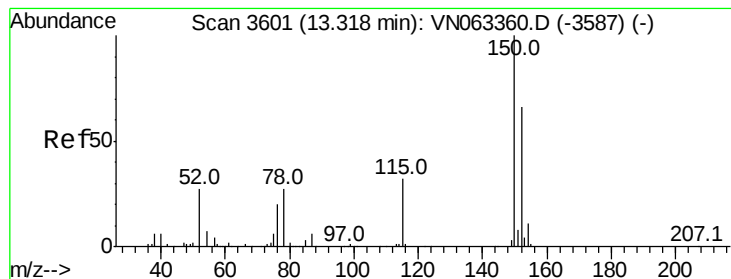
#71
Bromoform
Concen: 0.246 ug/l
RT: 12.37 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN063690.D
Acq: 25 Sep 2020 19:54

Tgt Ion:173 Resp: 520
Ion Ratio Lower Upper
173 100
175 0.0 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: VN063690.D

Acq: 25 Sep 2020 19:54

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

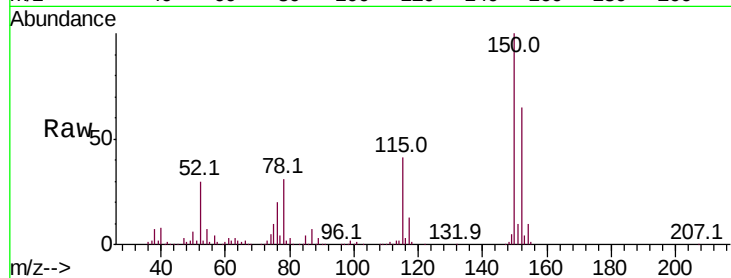
Tot Ion:152 Resp: 151241

Ion Ratio Lower Upper

152 100

115 62.5 32.2 96.6

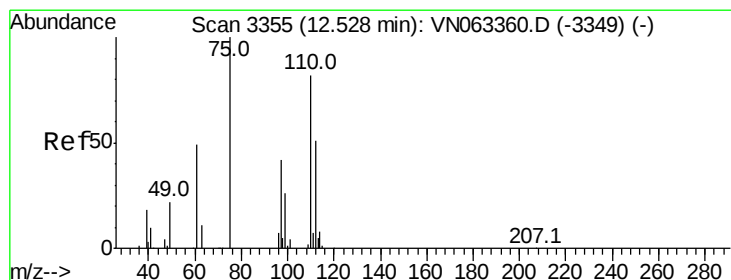
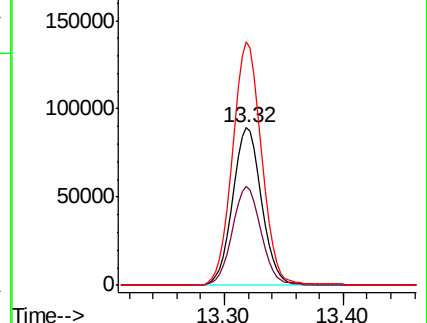
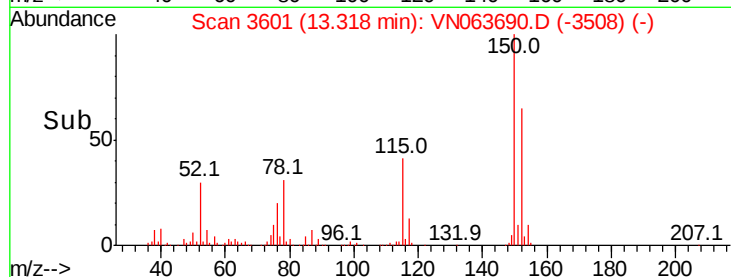
150 155.2 0.0 343.4



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: 27.268 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063690.D

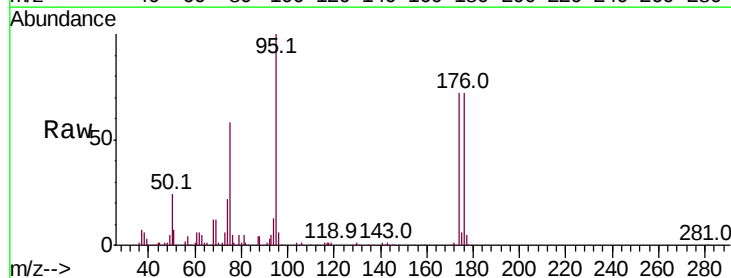
Acq: 25 Sep 2020 19:54

Tgt Ion: 75 Resp: 102077

Ion Ratio Lower Upper

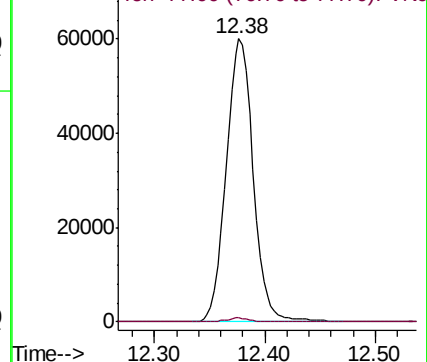
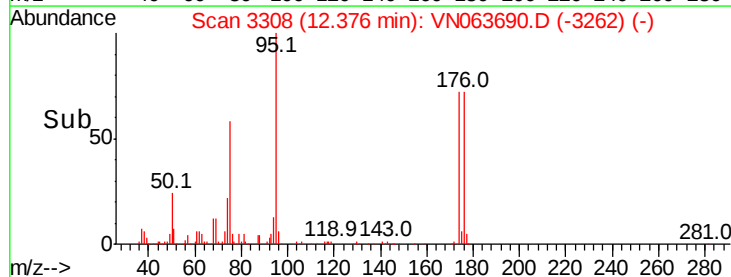
75 100

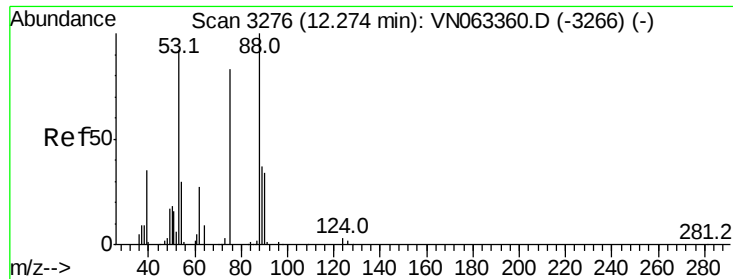
77 1.2 0.0 0.0#



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: 74.759 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063690.D

Acq: 25 Sep 2020 19:54

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

Tot Ion: 75 Resp: 102077

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

