

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
 Data File : VN063954.D
 Acq On : 7 Oct 2020 19:43
 Operator : JC/MD
 Sample : L4260-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 08 05:04:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	243823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	442475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	454414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	191217	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	208551	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	7.55	113	150820	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	10.06	98	561194	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.38	95	222509	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	

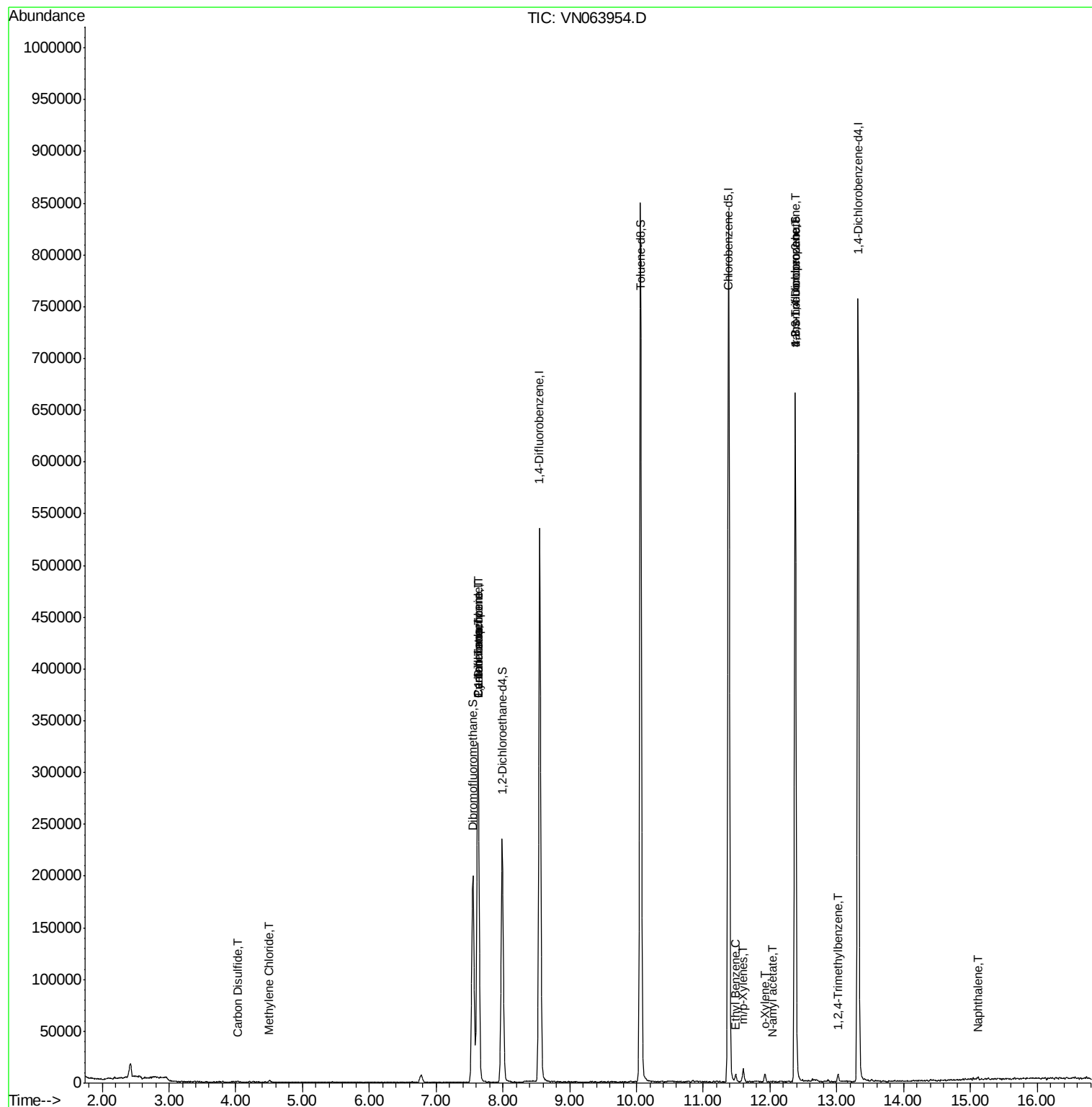
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.02	76	544	0.781	ug/l #	76
20) Methylene Chloride	4.51	84	883	0.408	ug/l #	50
31) Cyclohexane	7.62	56	6697	1.432	ug/l #	20
36) 1,1-Dichloropropene	7.63	75	21405	4.775	ug/l #	48
38) Carbon Tetrachloride	7.63	117	27729	5.516	ug/l #	13
67) Ethyl Benzene	11.49	91	4393	0.259	ug/l	99
68) m/p-Xylenes	11.60	106	2775	0.439	ug/l #	48
69) o-Xylene	11.92	106	1233	0.209	ug/l #	1
74) N-amyl acetate	12.03	43	294	2.259	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	123452	29.288	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	123452	84.353	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.02	105	4575	0.392	ug/l	93
95) Naphthalene	15.12	128	2309	2.140	ug/l #	81

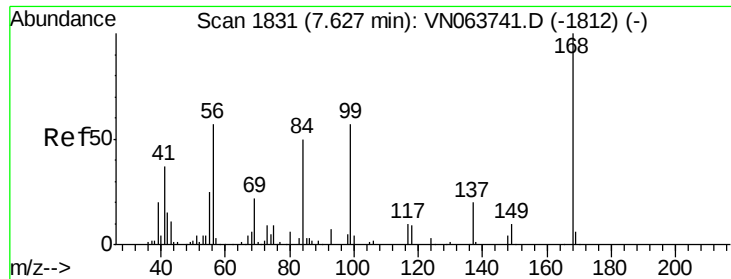
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 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: VN063954.D

Acq: 7 Oct 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

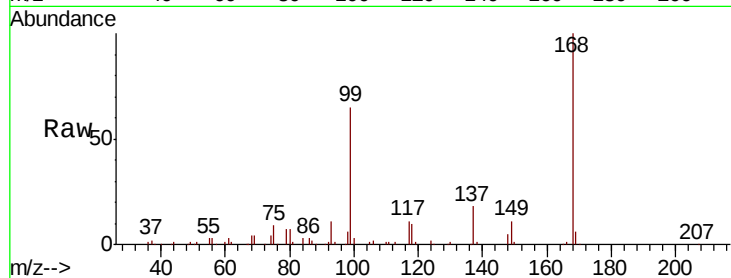
TRIP-BLANK

Tot Ion:168 Resp: 243823

Ion Ratio Lower Upper

168 100

99 65.0 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063741.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN063741.D (-1812) (-)

7.63

100000

80000

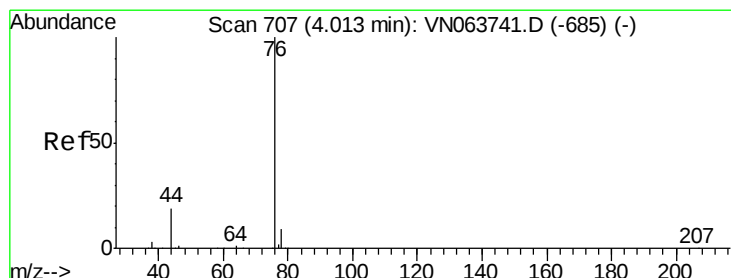
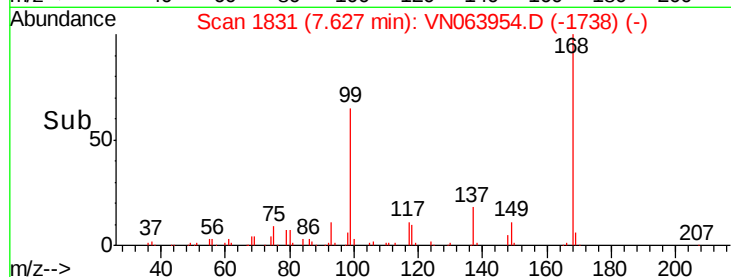
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#17

Carbon Disulfide

Concen: 0.781 ug/l

RT: 4.02 min Scan# 710

Delta R.T. 0.01 min

Lab File: VN063954.D

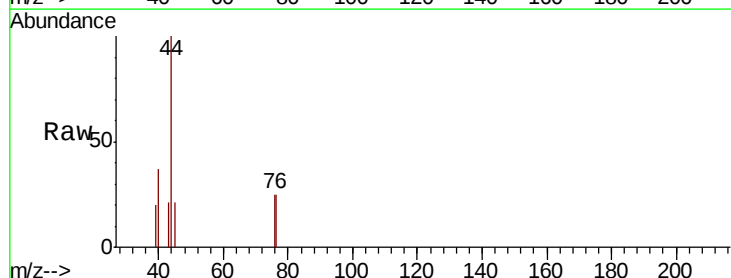
Acq: 7 Oct 2020 19:43

Tgt Ion: 76 Resp: 544

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN063741.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN063741.D (-685) (-)

4.02

400

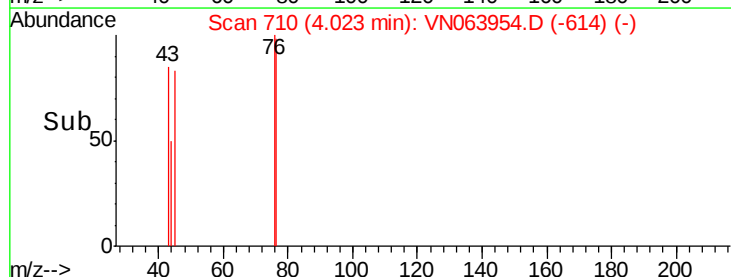
300

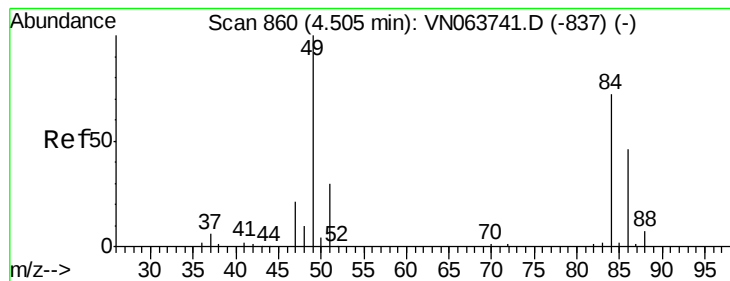
200

100

0

Time--> 3.98 4.00 4.02 4.04





#20

Methvlene Chloride

Concen: 0.408 ug/l

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN063954.D

Acq: 7 Oct 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

Tot Ion: 84 Resp: 883

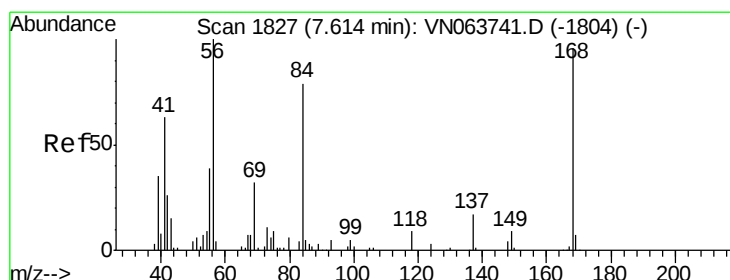
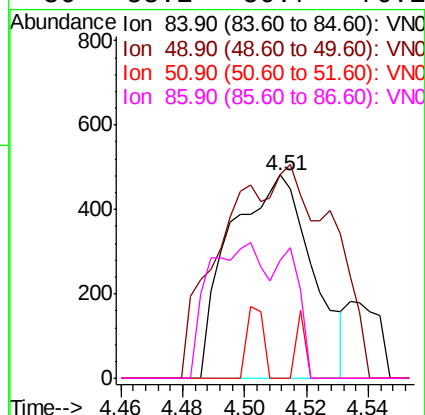
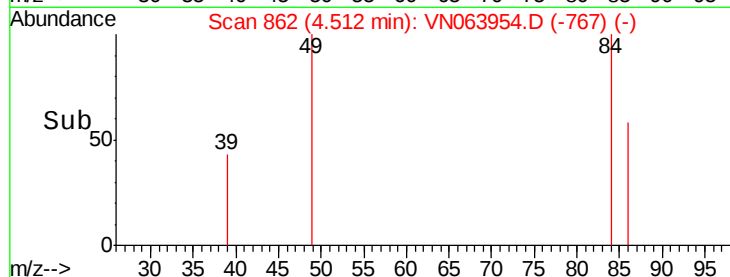
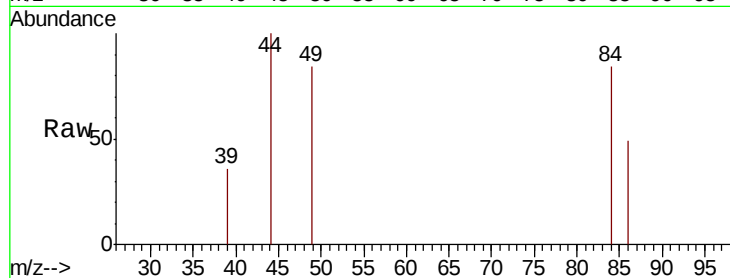
Ion Ratio Lower Upper

84 100

49 59.8 110.4 165.6#

51 0.0 33.3 49.9#

86 58.1 50.7 76.1



#31

Cyclohexane

Concen: 1.432 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063954.D

Acq: 7 Oct 2020 19:43

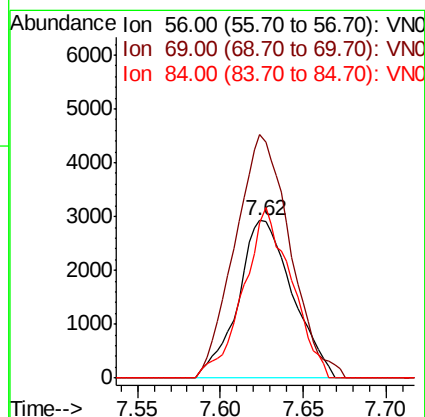
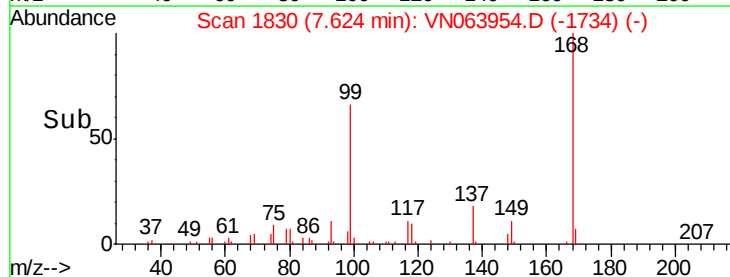
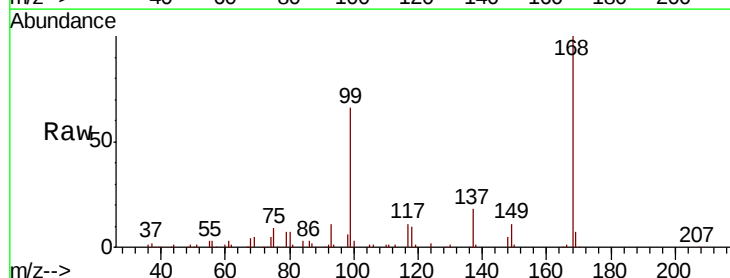
Tgt Ion: 56 Resp: 6697

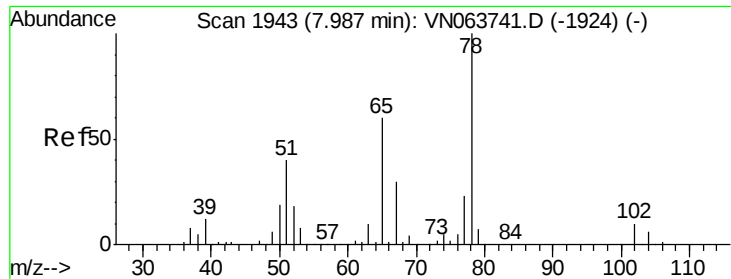
Ion Ratio Lower Upper

56 100

69 154.7 25.4 38.2#

84 99.0 63.3 94.9#





#33

1,2-Dichloroethane-d4

Concen: 51.774 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063954.D

Acq: 7 Oct 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

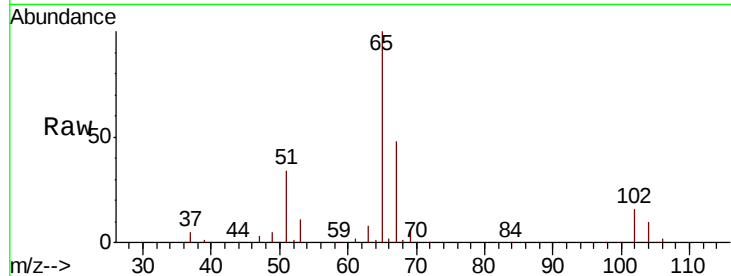
TRIP-BLANK

Tot Ion: 65 Resp: 208551

Ion Ratio Lower Upper

65 100

67 49.9 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN063741.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063741.D (-1924) (-)

7.99

100000

80000

60000

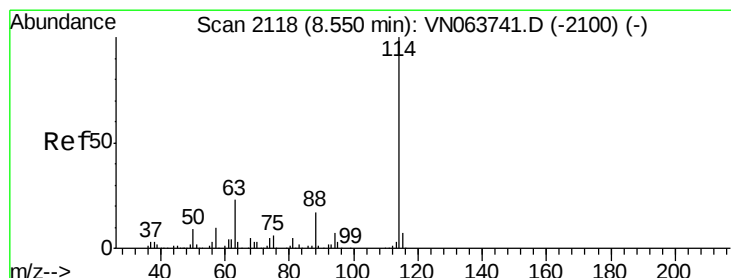
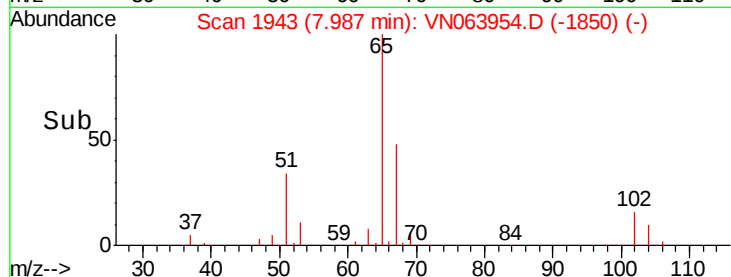
40000

20000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063954.D

Acq: 7 Oct 2020 19:43

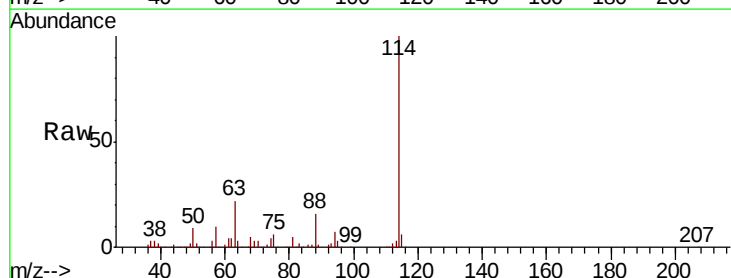
Tgt Ion: 114 Resp: 442475

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.0

88 16.3 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): VN063741.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063741.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063741.D (-2100) (-)

300000

250000

200000

150000

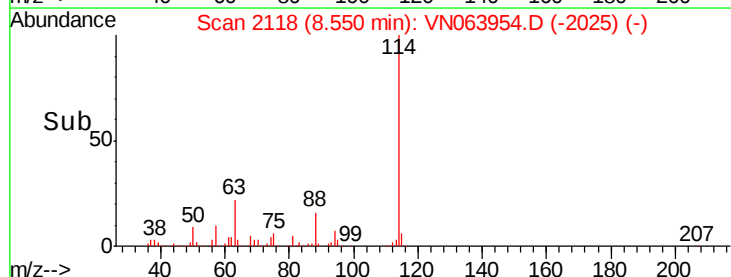
100000

50000

0

8.45 8.50 8.55 8.60 8.65

Time-->

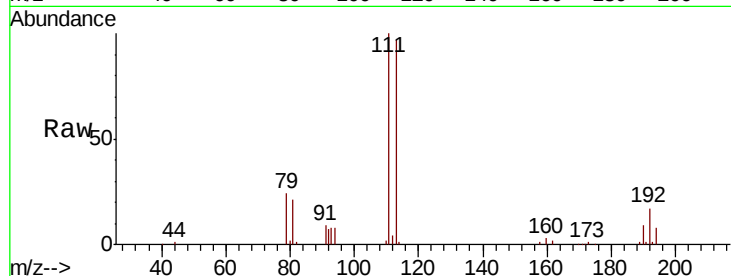




#35
Dibromofluoromethane
Concen: 49.123 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063954.D
Acq: 7 Oct 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	18.5	14.2	21.2

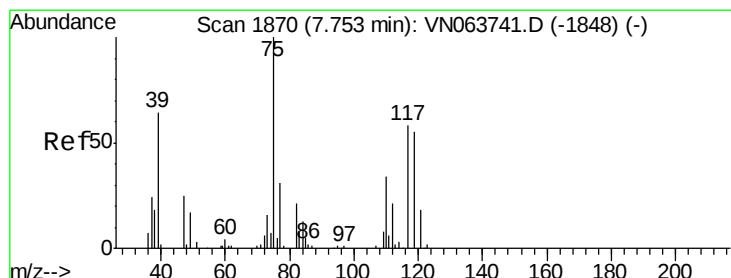
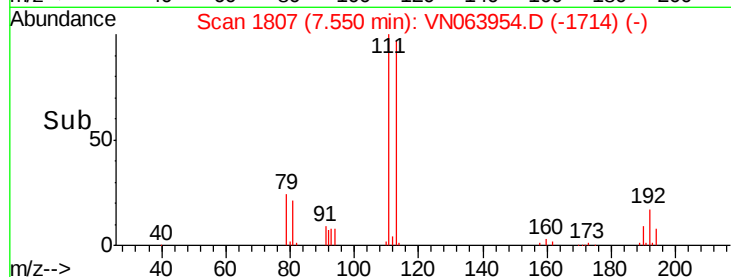
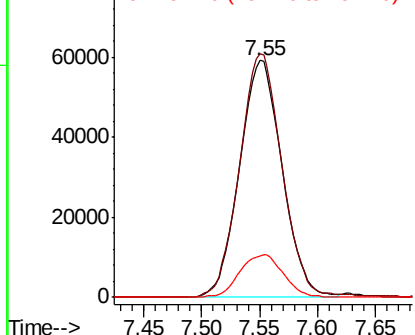


Abundance

Ion 112.80 (112.50 to 113.50): V

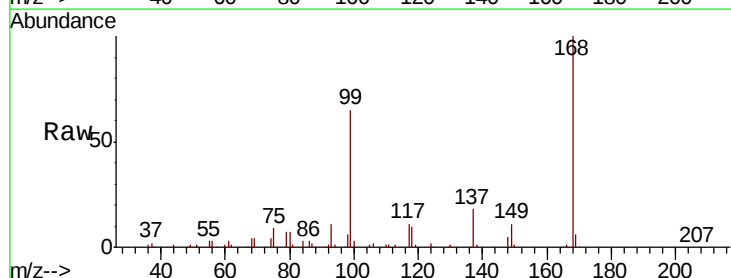
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 4.775 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN063954.D
Acq: 7 Oct 2020 19:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.2	16.9	50.6#
77	0.0	24.5	36.7#

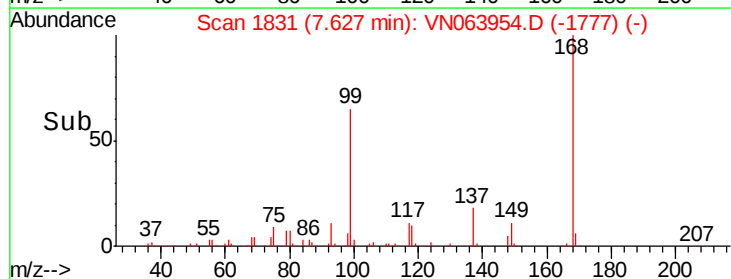
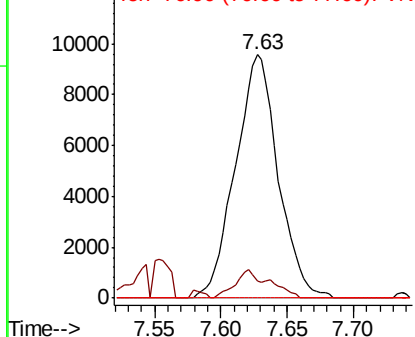


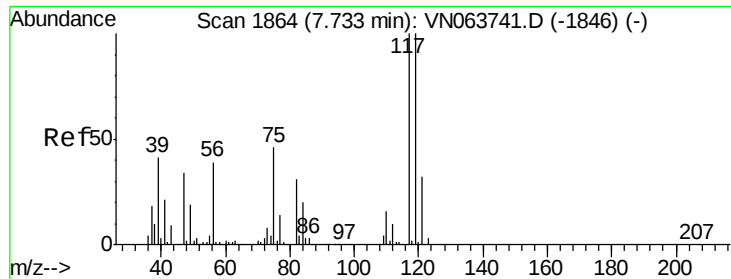
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

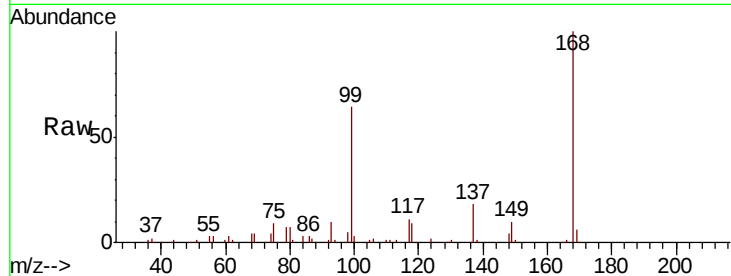




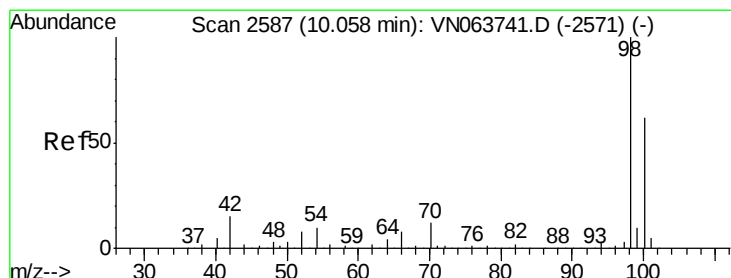
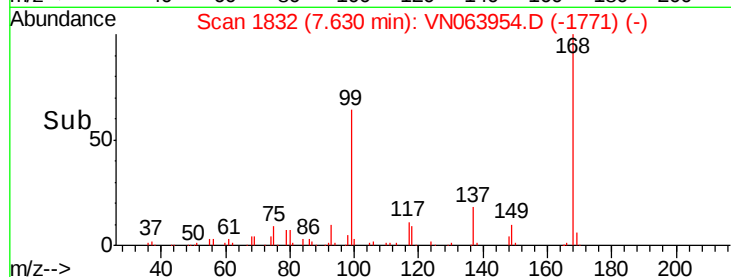
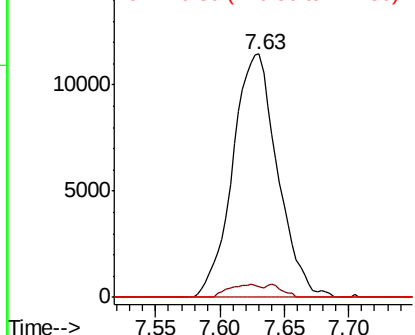
#38
Carbon Tetrachloride
Concen: 5.516 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. -0.10 min
Lab File: VN063954.D
Acq: 7 Oct 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:117 Resp: 27729
Ion Ratio Lower Upper
117 100
119 4.2 80.1 120.1#
121 0.0 25.7 38.5#

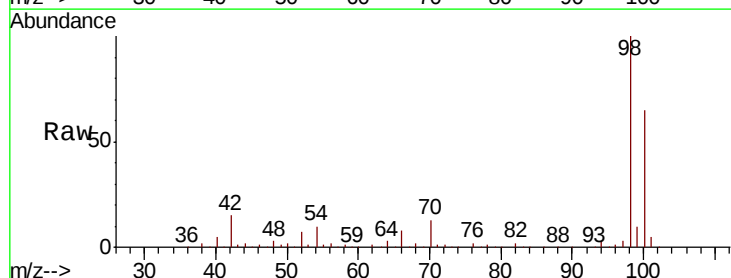


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

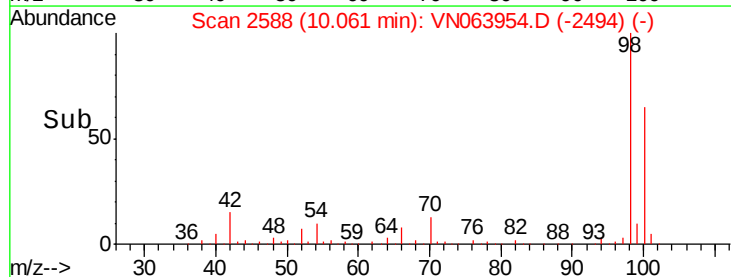
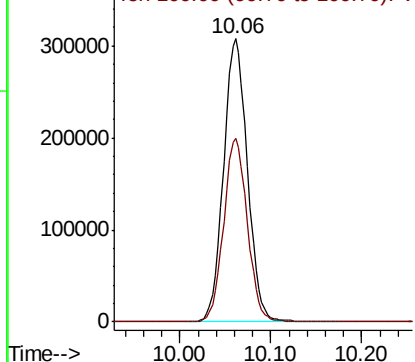


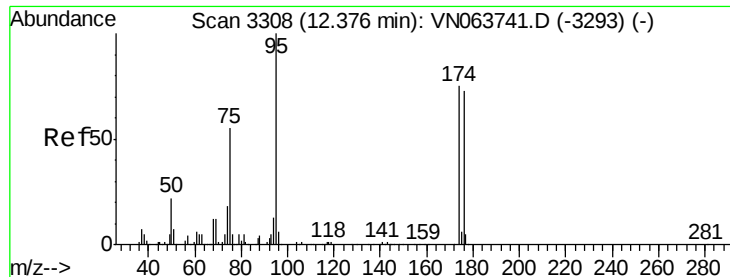
#50
Toluene-d8
Concen: 48.217 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063954.D
Acq: 7 Oct 2020 19:43

Tgt Ion: 98 Resp: 561194
Ion Ratio Lower Upper
98 100
100 64.2 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 50.857 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063954.D

Acq: 7 Oct 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

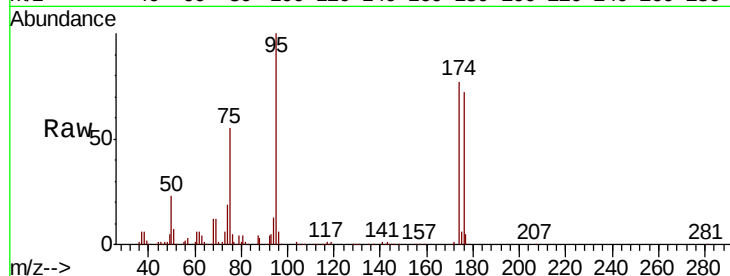
Tot Ion: 95 Resp: 222509

Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.6

176 73.4 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063741.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063741.D (-3293) (-)

12.38

150000

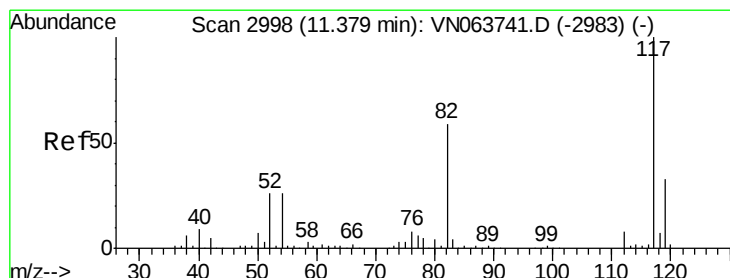
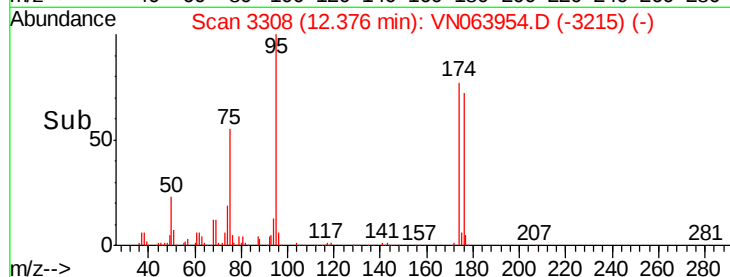
100000

50000

0

12.30 12.35 12.40 12.45

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063954.D

Acq: 7 Oct 2020 19:43

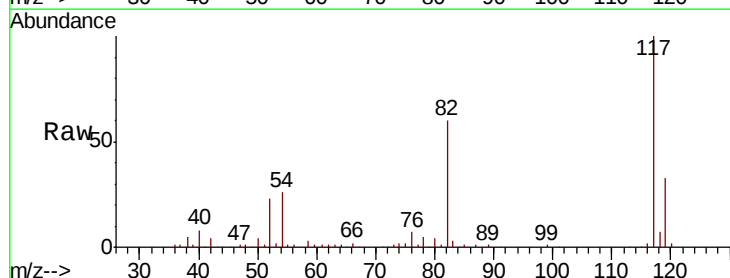
Tgt Ion: 117 Resp: 454414

Ion Ratio Lower Upper

117 100

82 60.2 47.4 71.2

119 32.6 26.4 39.6



Abundance Ion 116.90 (116.60 to 117.60): VN063741.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063741.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063741.D (-2983) (-)

11.38

300000

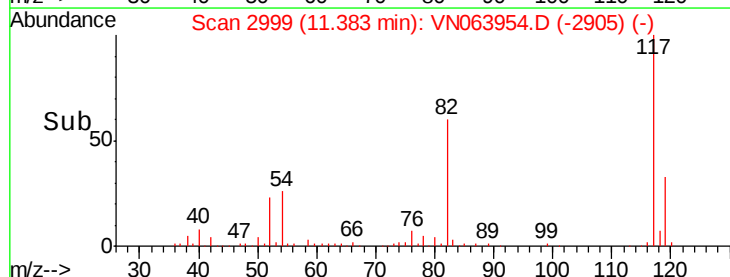
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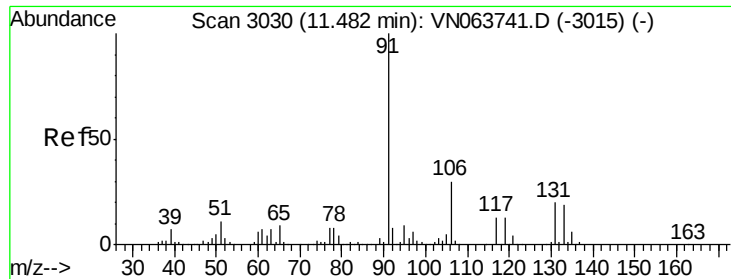
100000

0

11.30 11.40 11.50

Time-->

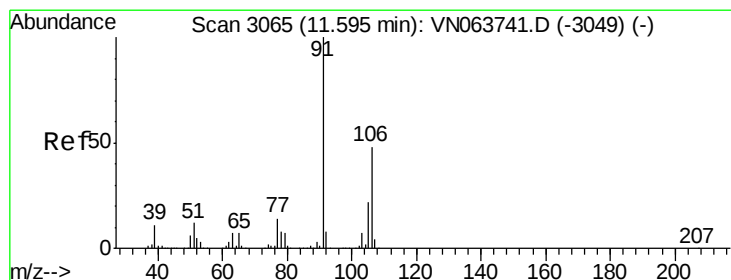
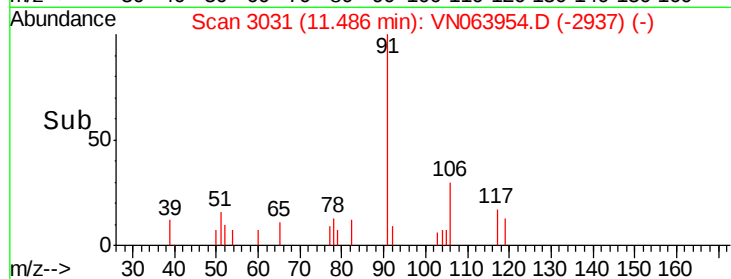
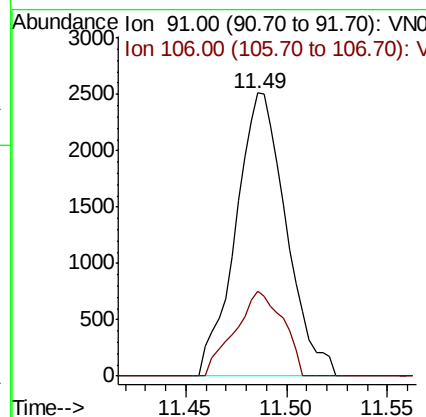
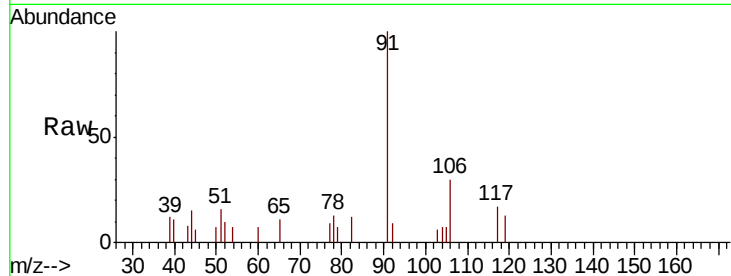




#67
Ethyl Benzene
Concen: 0.259 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063954.D
Acq: 7 Oct 2020 19:43

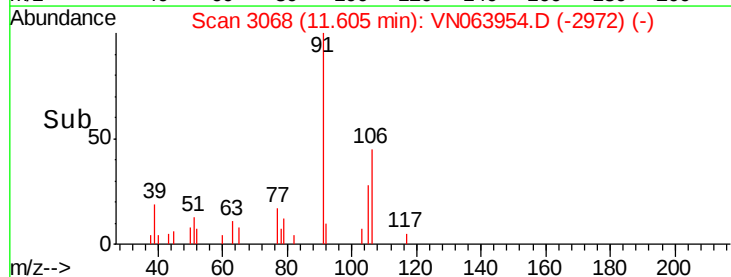
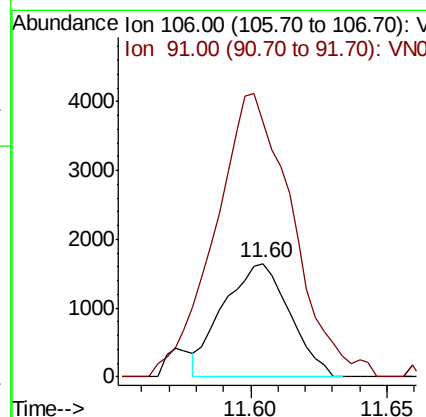
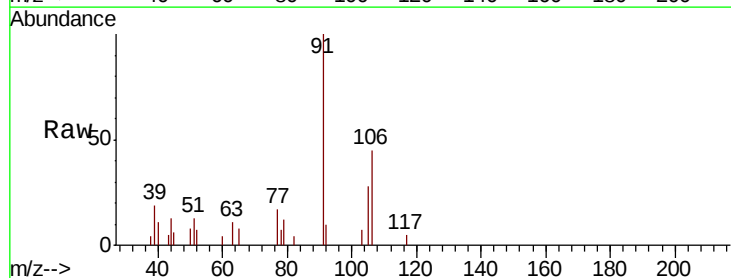
Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

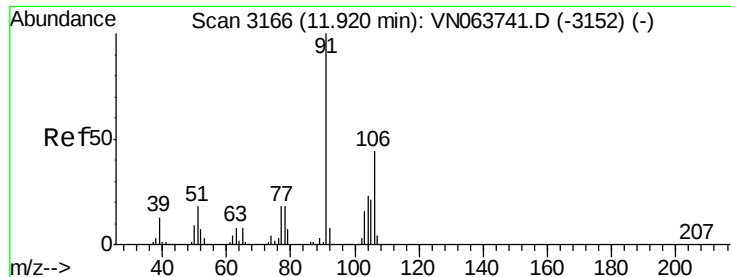
Tot Ion: 91 Resp: 4393
Ion Ratio Lower Upper
91 100
106 29.8 24.2 36.2



#68
m/p-Xylenes
Concen: 0.439 ug/l
RT: 11.60 min Scan# 3068
Delta R.T. 0.01 min
Lab File: VN063954.D
Acq: 7 Oct 2020 19:43

Tgt Ion: 106 Resp: 2775
Ion Ratio Lower Upper
106 100
91 291.8 168.0 252.0#

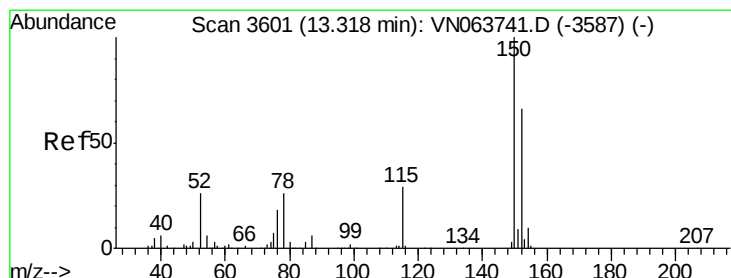
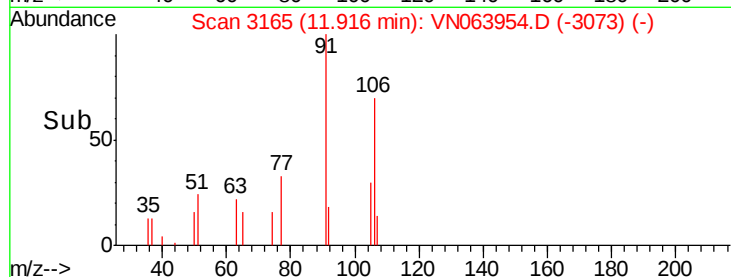
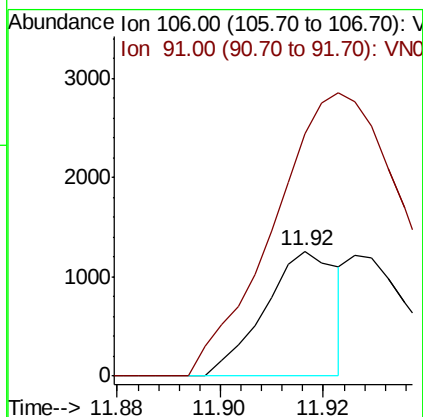
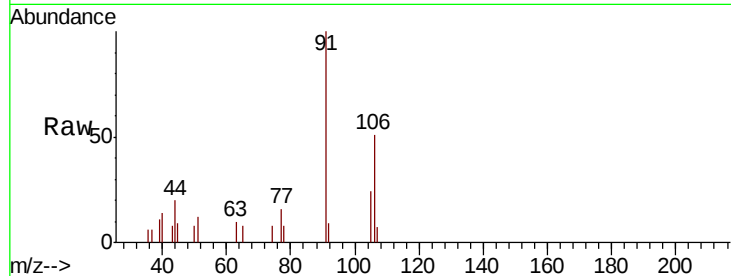




#69
o-Xylene
Concen: 0.209 ug/l
RT: 11.92 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN063954.D
Acq: 7 Oct 2020 19:43

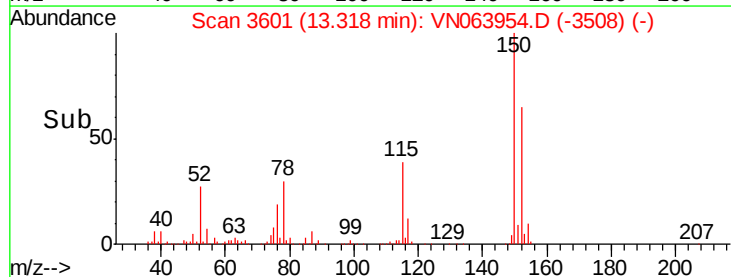
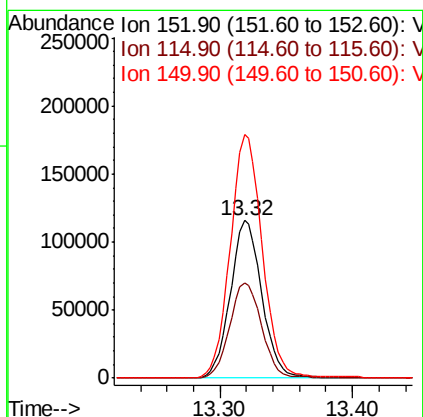
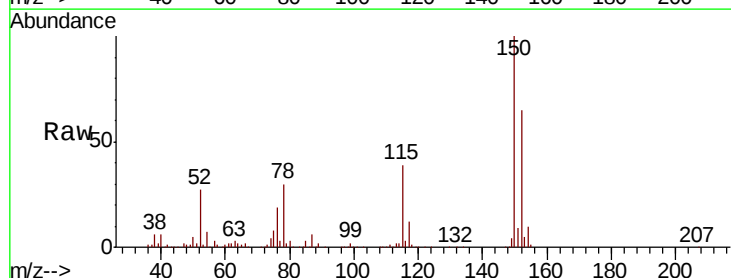
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

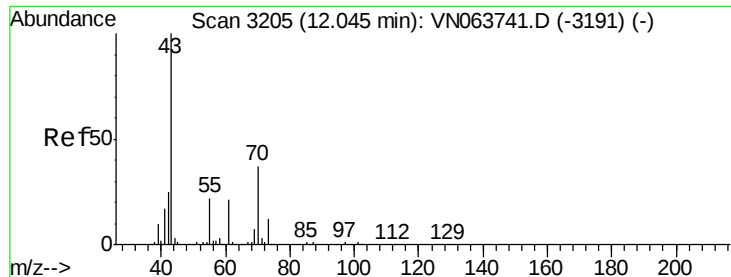
Tot Ion:106 Resp: 1233
Ion Ratio Lower Upper
106 100
91 415.0 112.7 338.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063954.D
Acq: 7 Oct 2020 19:43

Tgt Ion:152 Resp: 191217
Ion Ratio Lower Upper
152 100
115 61.3 31.3 93.8
150 157.8 0.0 341.8





#74

N-amyl acetate

Concen: 2.259 ug/l

RT: 12.03 min Scan# 3201

Delta R.T. -0.01 min

Lab File: VN063954.D

Acq: 7 Oct 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

Tot Ion: 43 Resp: 294

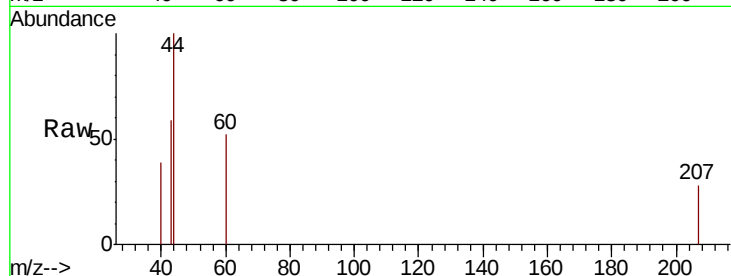
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

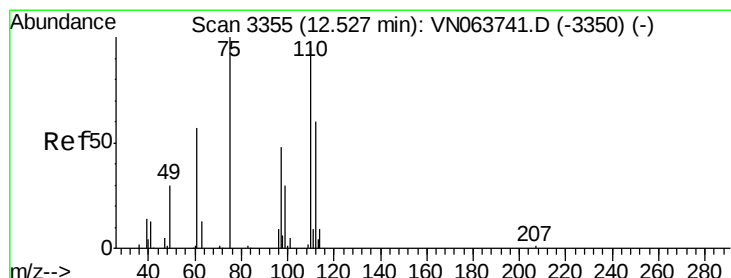
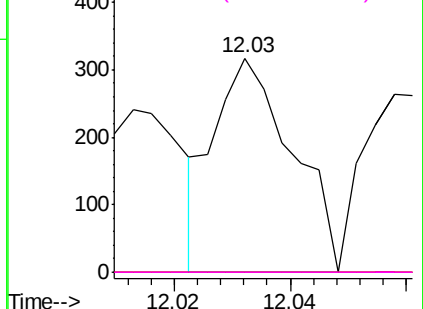
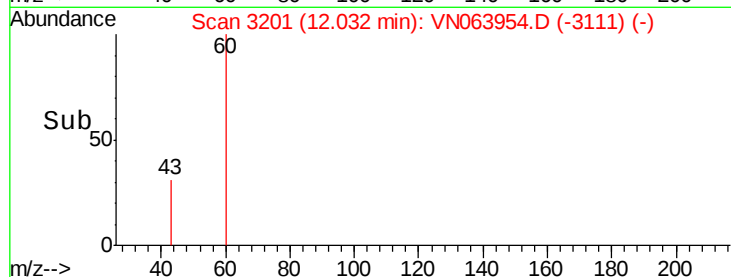


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 29.288 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063954.D

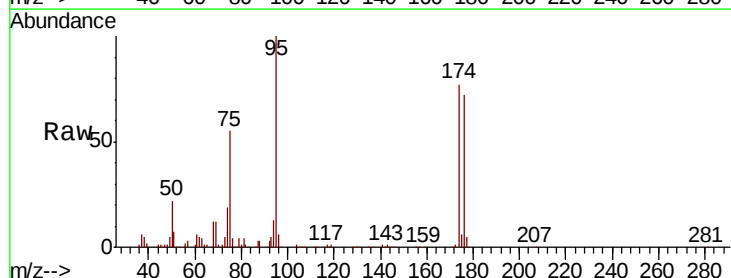
Acq: 7 Oct 2020 19:43

Tgt Ion: 75 Resp: 123452

Ion Ratio Lower Upper

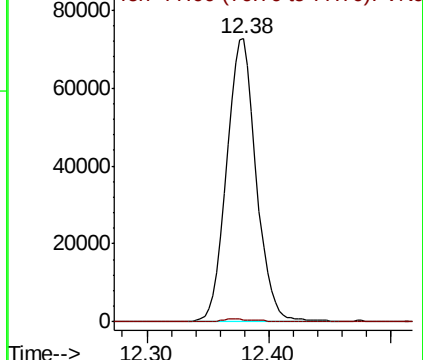
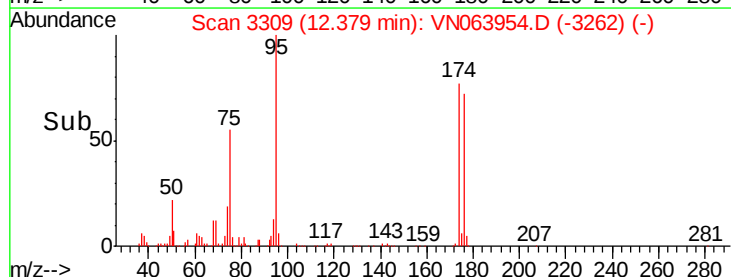
75 100

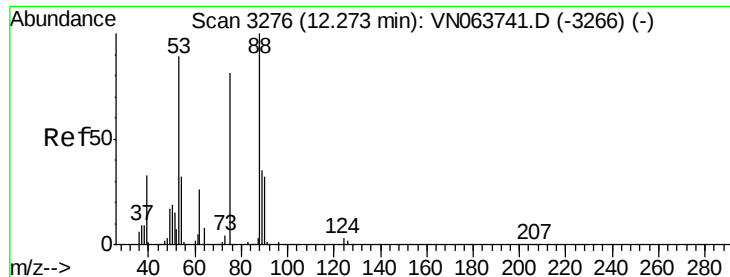
77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

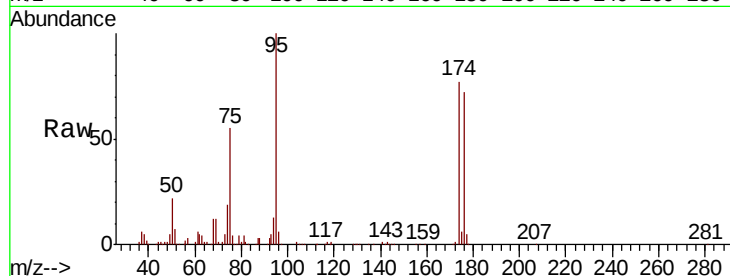




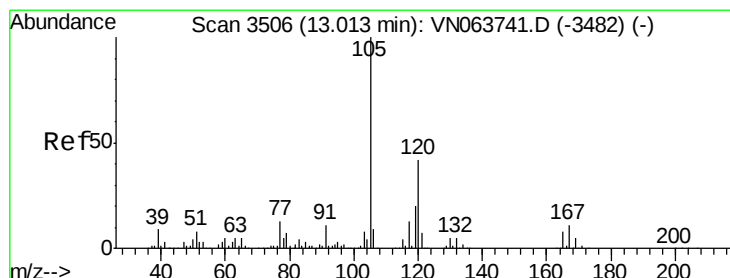
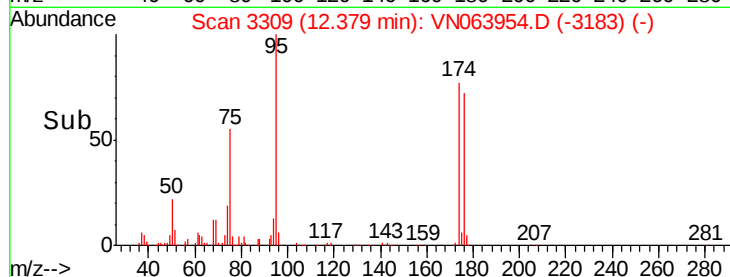
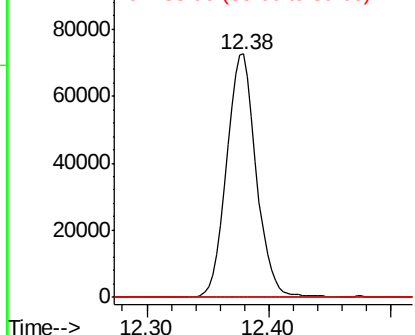
#81
trans-1,4-Dichloro-2-butene
Concen: 84.353 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.11 min
Lab File: VN063954.D
Acq: 7 Oct 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion: 75 Resp: 123452
Ion Ratio Lower Upper
75 100
53 0.1 88.2 132.2#
89 0.0 36.0 54.0#

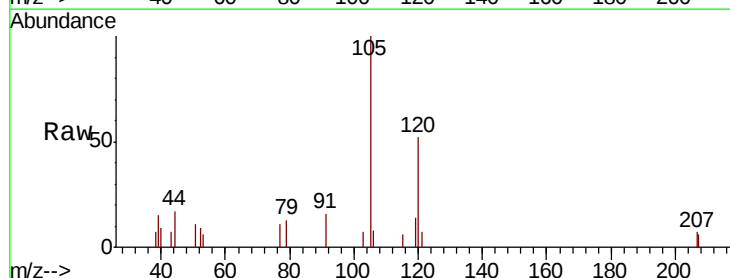


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

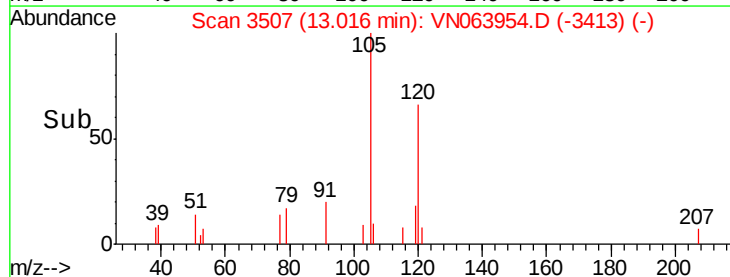
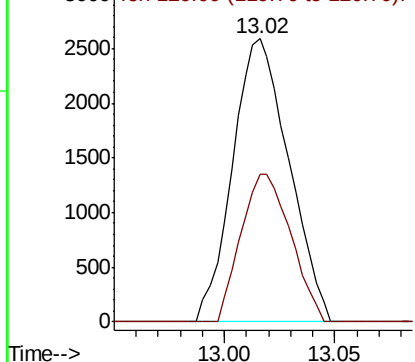


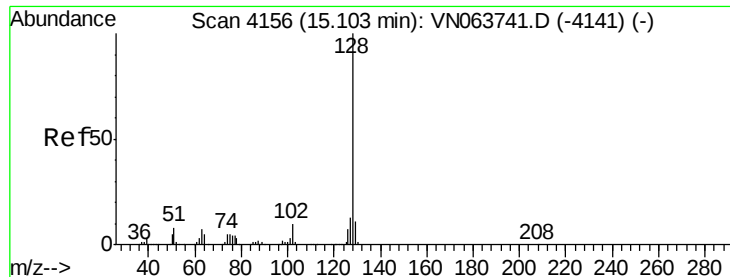
#84
1,2,4-Trimethylbenzene
Concen: 0.392 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063954.D
Acq: 7 Oct 2020 19:43

Tgt Ion: 105 Resp: 4575
Ion Ratio Lower Upper
105 100
120 46.3 20.9 62.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

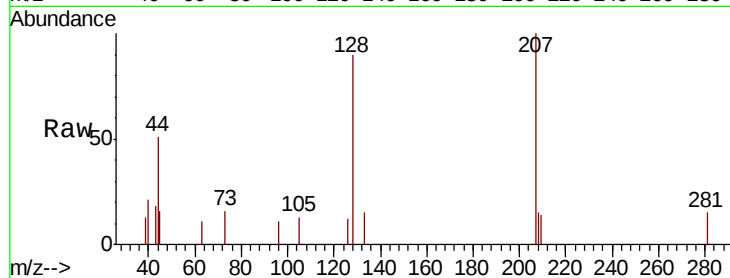




#95
Naphthalene
Concen: 2.140 ug/l
RT: 15.12 min Scan# 4161
Delta R.T. 0.02 min
Lab File: VN063954.D
Acq: 7 Oct 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:128 Resp: 2309
Ion Ratio Lower Upper
128 100
127 2.7 10.5 15.7#
129 6.5 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

