

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064789.D
 Acq On : 23 Nov 2020 17:34
 Operator : JC/MD
 Sample : L4829-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Nov 24 03:23:24 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	7.63	168	152367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	277291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	287728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131659	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	98763	55.76	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	111.52%
35) Dibromofluoromethane	7.55	113	87391	52.67	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.34%
50) Toluene-d8	10.06	98	344603	50.83	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.66%
62) 4-Bromofluorobenzene	12.38	95	134641	55.49	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.98%

Target Compounds

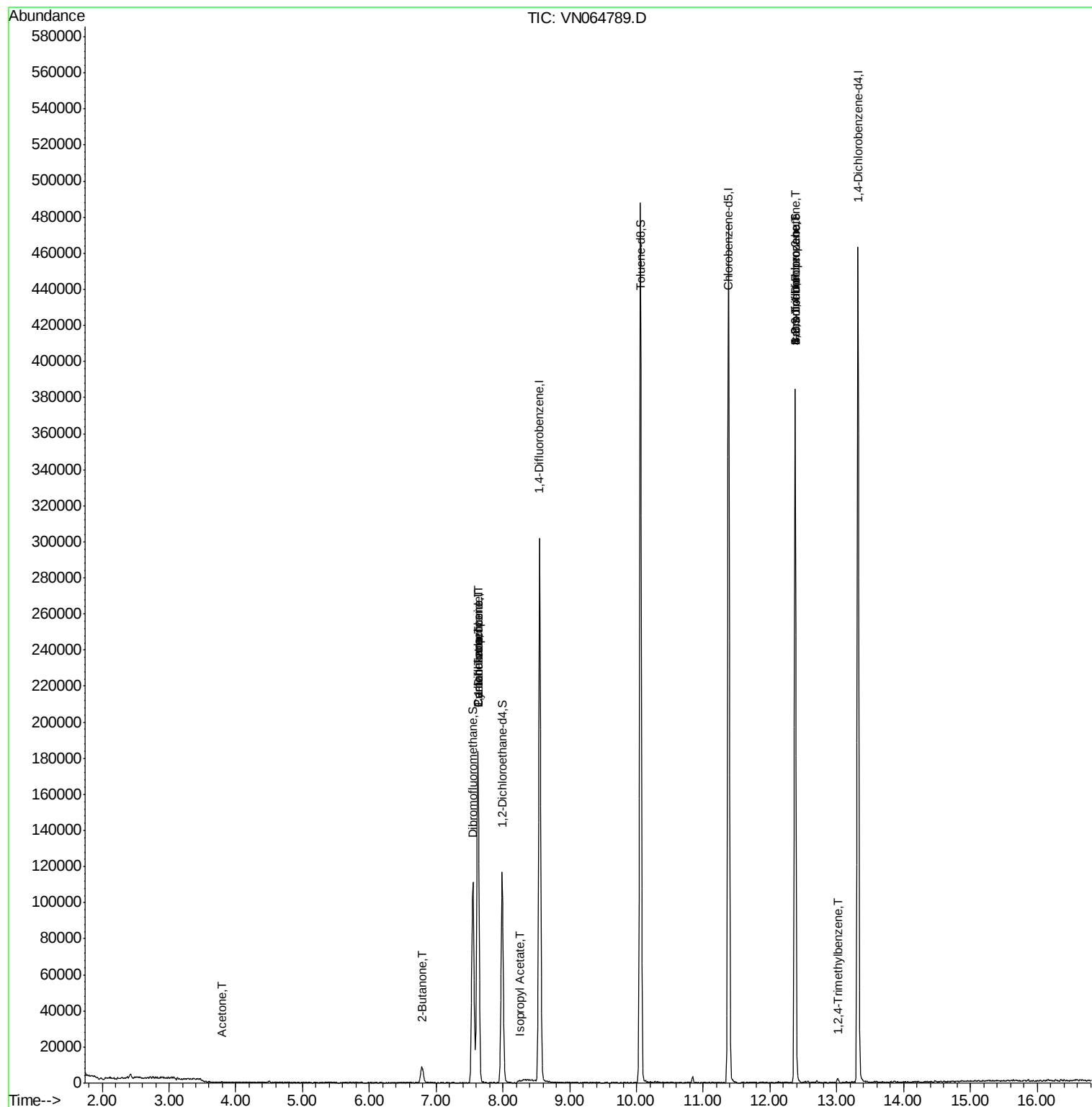
					Qvalue	
16) Acetone	3.79	43	245	0.421	ug/l #	43
25) 2-Butanone	6.79	43	310	0.328	ug/l #	49
31) Cyclohexane	7.63	56	2960	1.199	ug/l #	12
36) 1,1-Dichloropropene	7.63	75	10659	4.147	ug/l #	50
38) Carbon Tetrachloride	7.63	117	14454	5.405	ug/l #	16
43) Isopropyl Acetate	8.25	43	824	0.207	ug/l #	59
71) Bromoform	12.37	173	1033	0.570	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	65717	23.177	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	65717	63.524	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.01	105	2140	0.278	ug/l	100

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

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QLast Update : Mon Nov 23 13:54:12 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: VN064789.D

Acq: 23 Nov 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

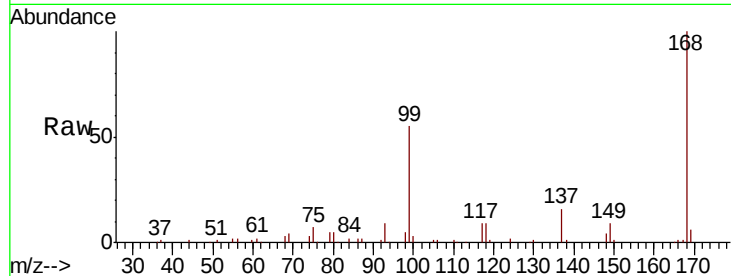
TRIP-BLANK

Tot Ion:168 Resp: 152367

Ion Ratio Lower Upper

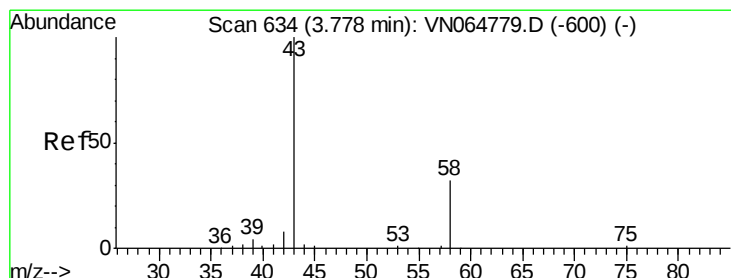
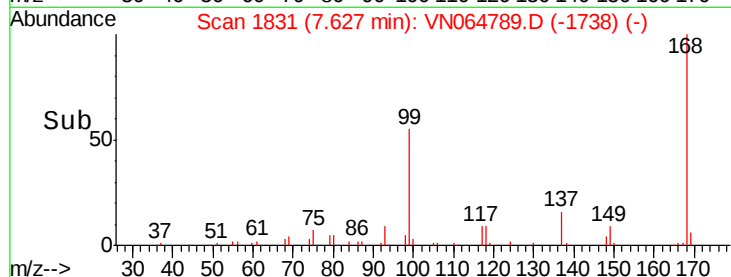
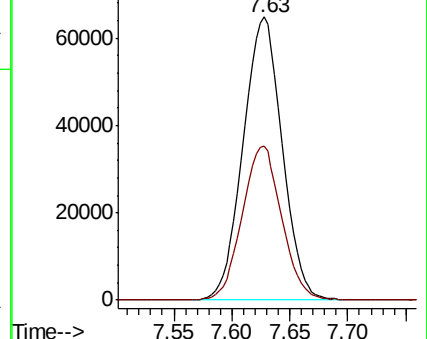
168 100

99 54.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 0.421 ug/l

RT: 3.79 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064789.D

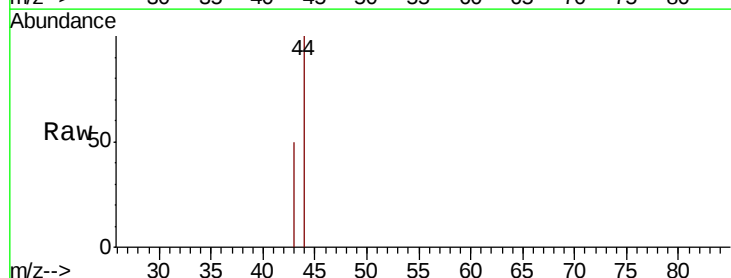
Acq: 23 Nov 2020 17:34

Tgt Ion: 43 Resp: 245

Ion Ratio Lower Upper

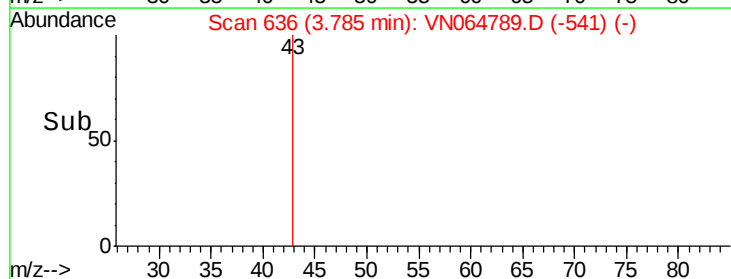
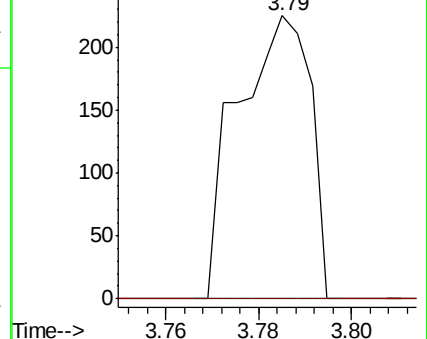
43 100

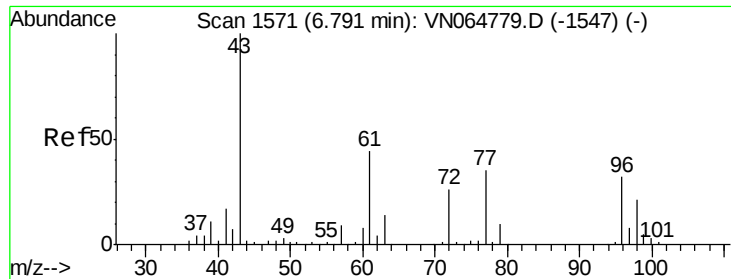
58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

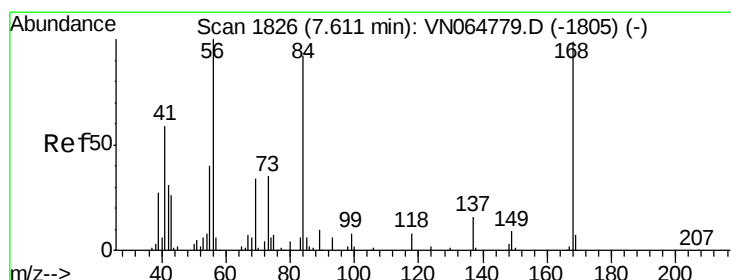
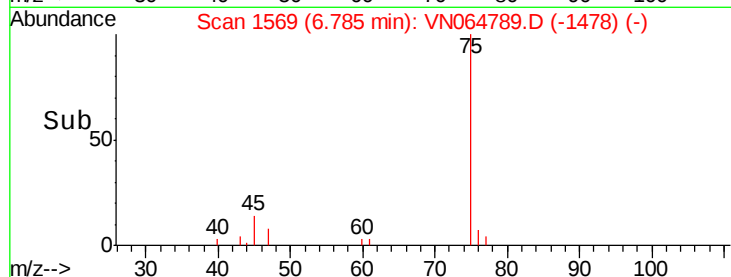
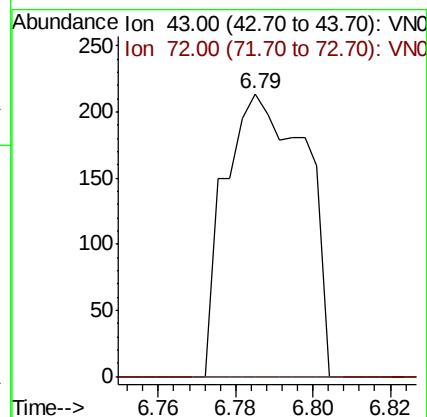
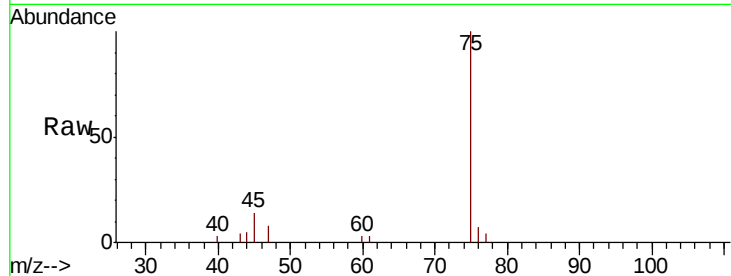




#25
2-Butanone
Concen: 0.328 ug/l
RT: 6.79 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN064789.D
Acq: 23 Nov 2020 17:34

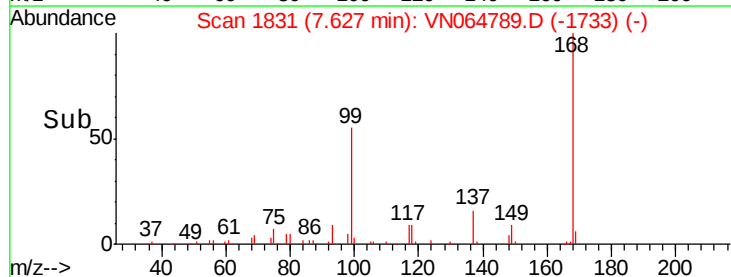
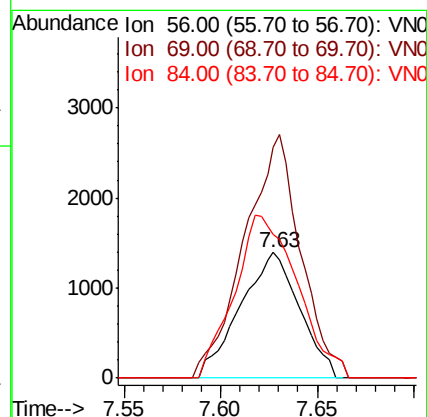
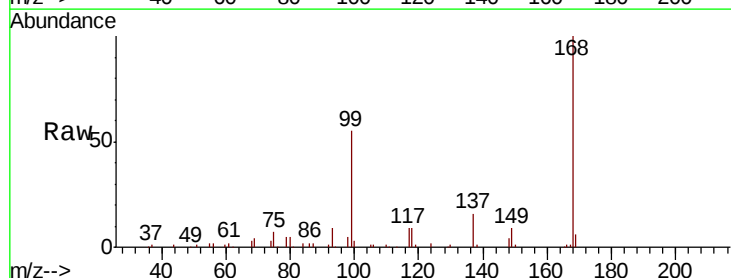
Instrument :
MSVOA_N
ClientSampleId :
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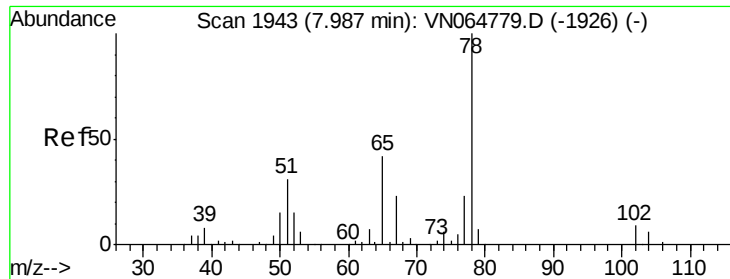
Tot Ion: 43 Resp: 310
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064789.D
Acq: 23 Nov 2020 17:34

Tgt Ion: 56 Resp: 2960
Ion Ratio Lower Upper
56 100
69 184.5 27.5 41.3#
84 115.0 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 55.755 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064789.D

Acq: 23 Nov 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

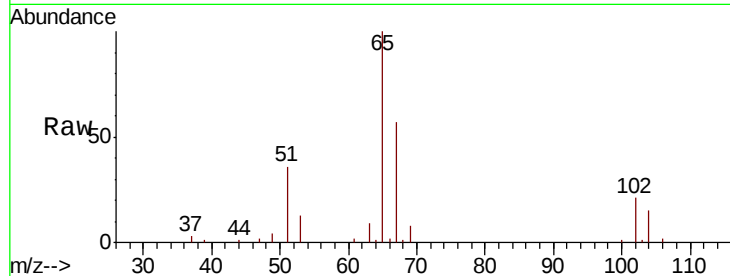
TRIP-BLANK

Tot Ion: 65 Resp: 98763

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.2

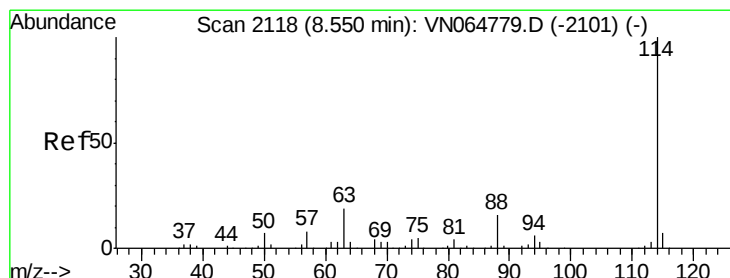
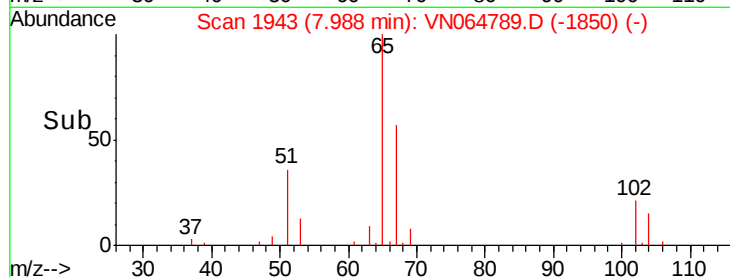


Abundance Ion 64.90 (64.60 to 65.60): VN064789.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN064789.D (-1926) (-)

7.99

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064789.D

Acq: 23 Nov 2020 17:34

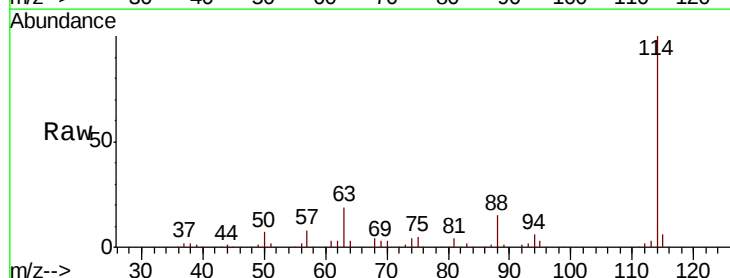
Tgt Ion: 114 Resp: 277291

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

88 15.5 0.0 32.6



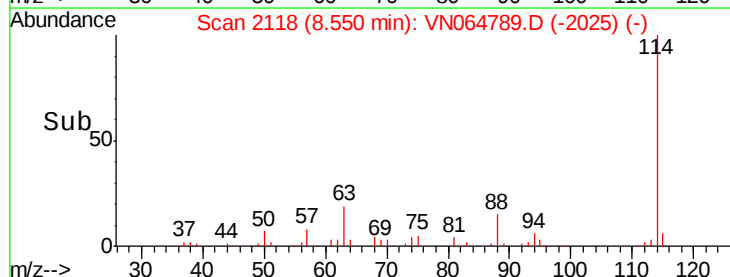
Abundance Ion 113.90 (113.60 to 114.60): VN064789.D (-2101) (-)

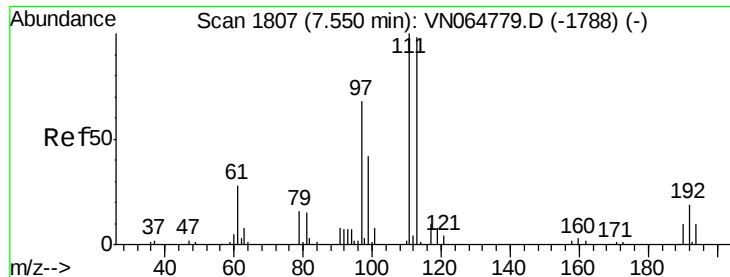
Ion 63.00 (62.70 to 63.70): VN064789.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN064789.D (-2101) (-)

8.55

Time-->

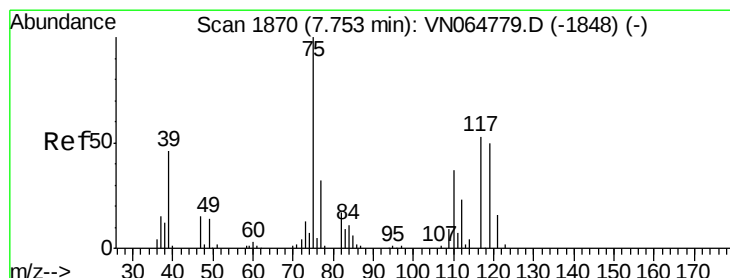
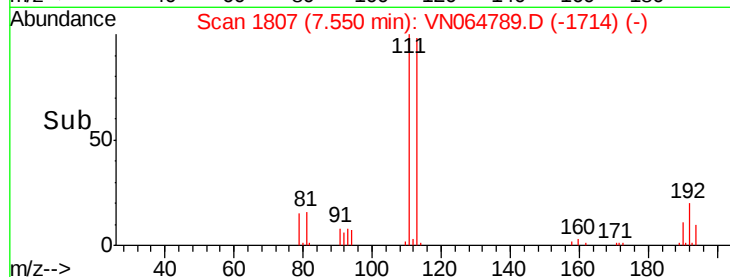
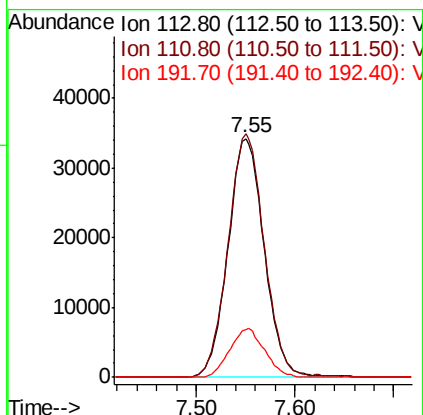
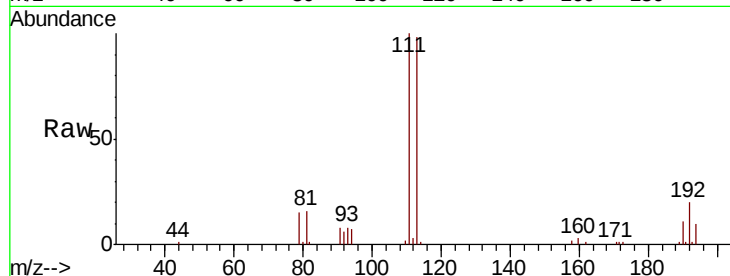




#35
Dibromofluoromethane
Concen: 52.670 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064789.D
Acq: 23 Nov 2020 17:34

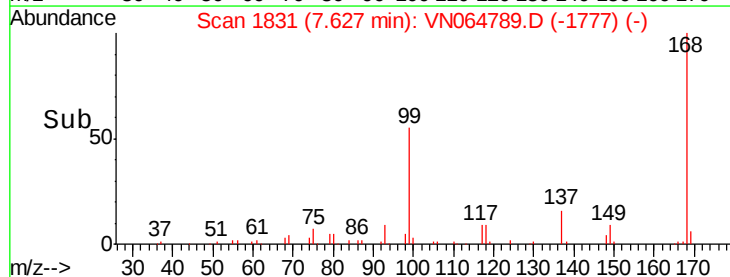
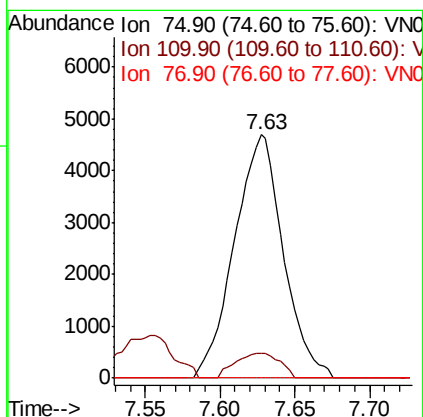
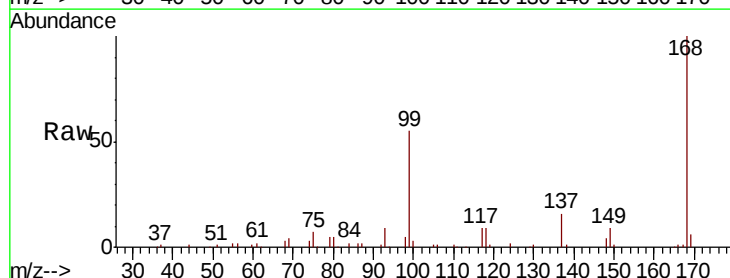
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

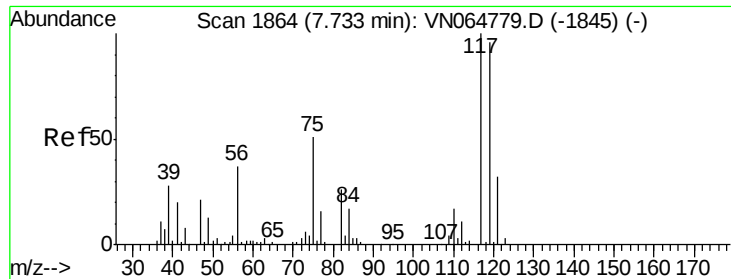
Tot Ion:113 Resp: 87391
Ion Ratio Lower Upper
113 100
111 101.8 81.6 122.4
192 19.7 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.147 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN064789.D
Acq: 23 Nov 2020 17:34

Tgt Ion: 75 Resp: 10659
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.405 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064789.D

Acq: 23 Nov 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

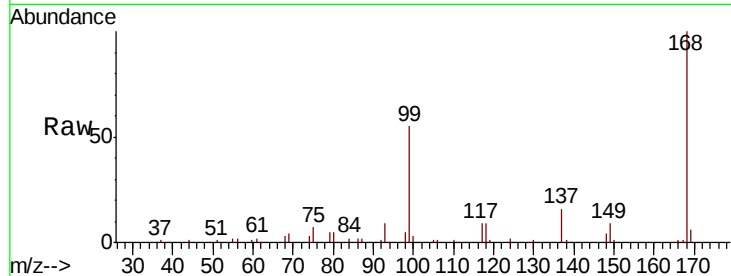
Tot Ion:117 Resp: 14454

Ion Ratio Lower Upper

117 100

119 5.7 76.7 115.1#

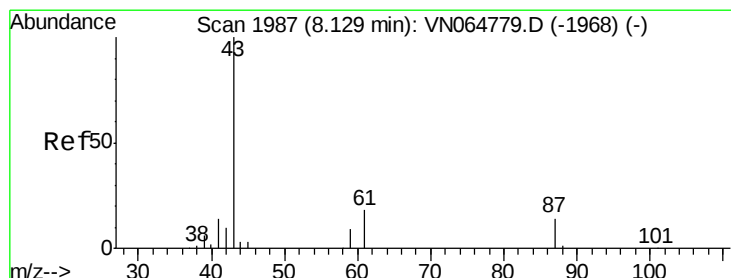
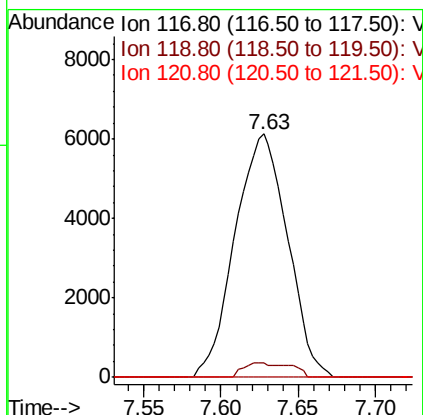
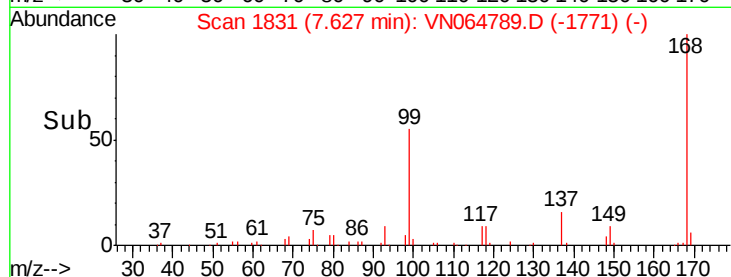
121 0.0 25.4 38.2#



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



#43

Isopropyl Acetate

Concen: 0.207 ug/l

RT: 8.25 min Scan# 2024

Delta R.T. 0.12 min

Lab File: VN064789.D

Acq: 23 Nov 2020 17:34

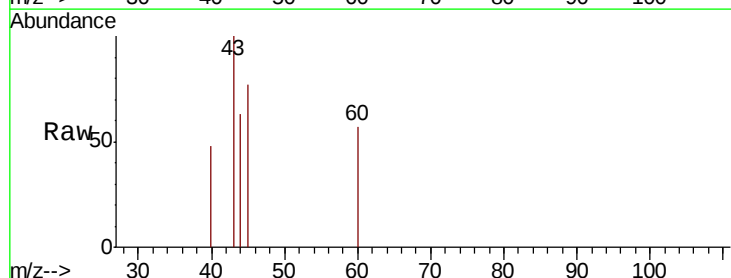
Tgt Ion: 43 Resp: 824

Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

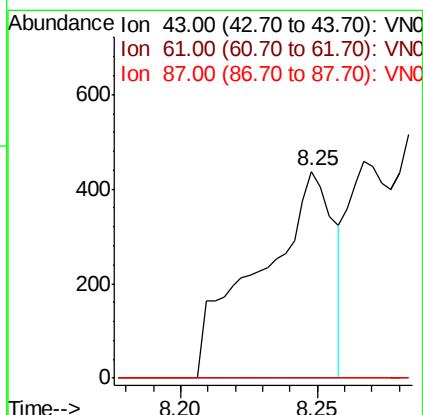
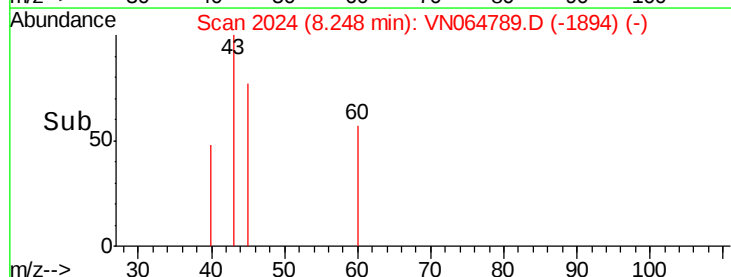
87 0.0 11.4 17.0#

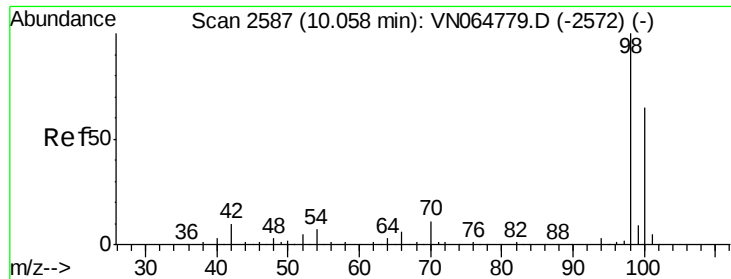


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 50.831 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064789.D

Acq: 23 Nov 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

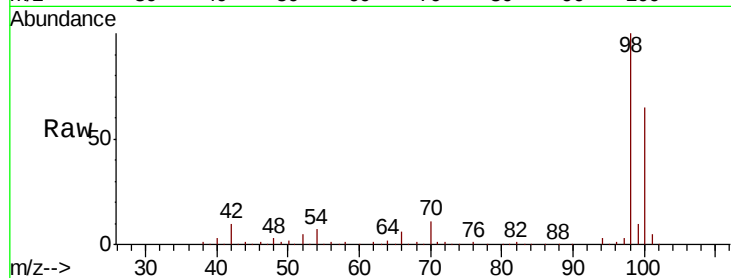
TRIP-BLANK

Tot Ion: 98 Resp: 344603

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

10.06

200000

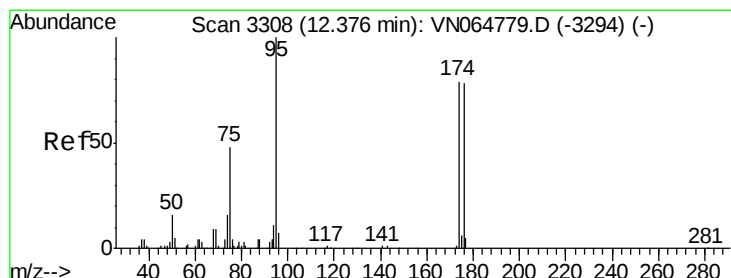
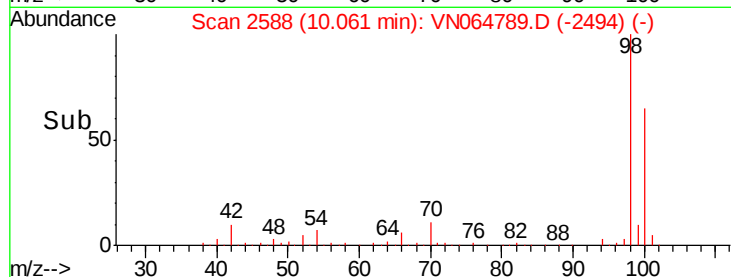
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.494 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064789.D

Acq: 23 Nov 2020 17:34

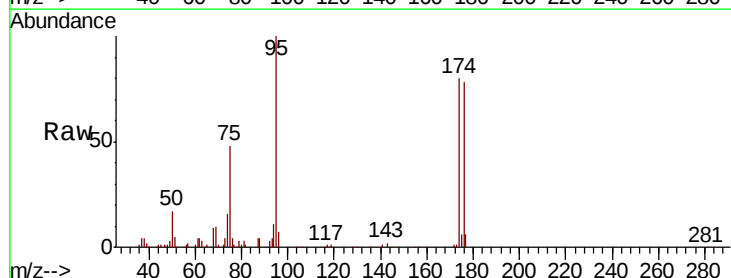
Tgt Ion: 95 Resp: 134641

Ion Ratio Lower Upper

95 100

174 81.1 0.0 160.4

176 78.1 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) (-)

100000

80000

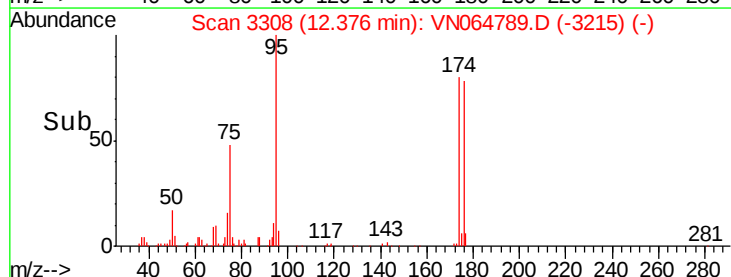
60000

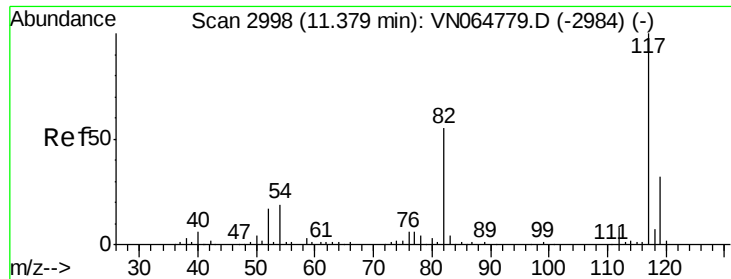
40000

20000

0

Time-->

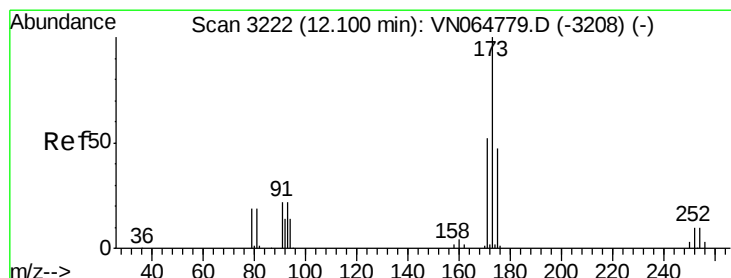
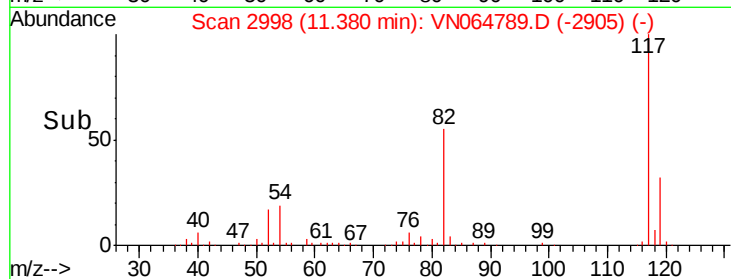
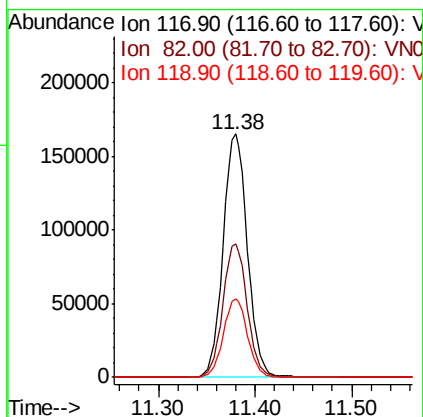
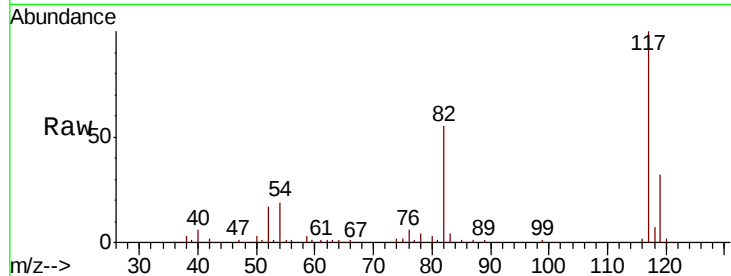




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064789.D
Acq: 23 Nov 2020 17:34

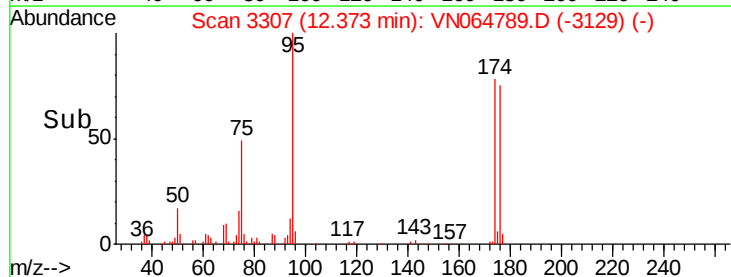
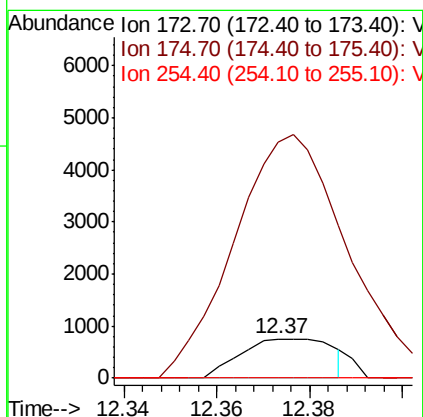
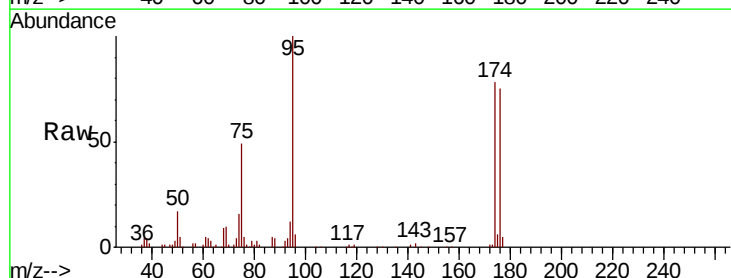
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

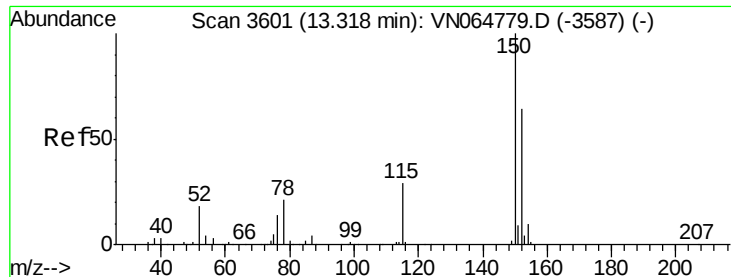
Tot Ion:117 Resp: 287728
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 32.4 25.8 38.6



#71
Bromoform
Concen: 0.570 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN064789.D
Acq: 23 Nov 2020 17:34

Tgt Ion:173 Resp: 1033
Ion Ratio Lower Upper
173 100
175 643.9 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# 3601

Delta R.T. 0.00 min

Lab File: VN064789.D

Acq: 23 Nov 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

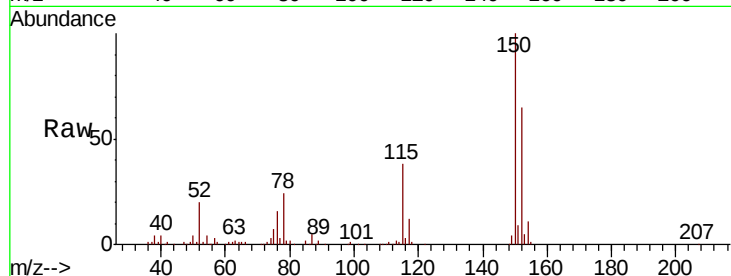
Tot Ion:152 Resp: 131659

Ion Ratio Lower Upper

152 100

115 59.4 29.7 89.1

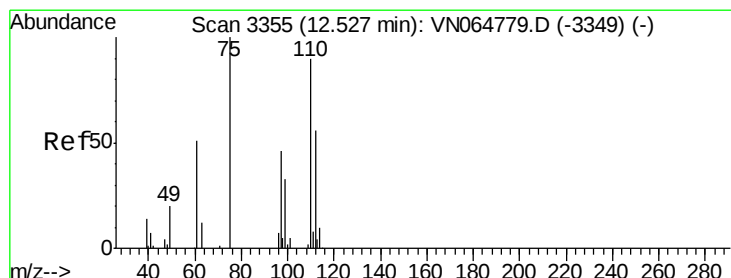
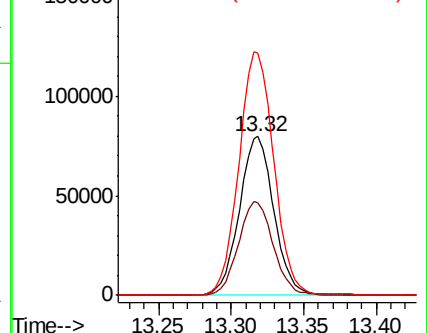
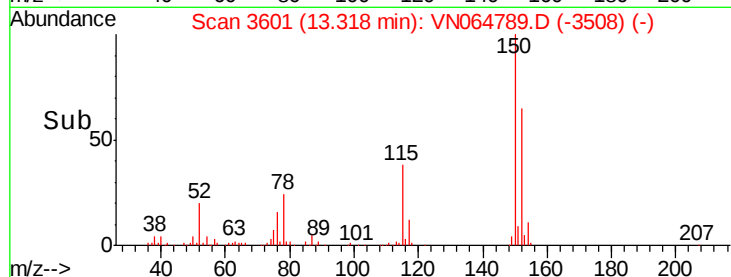
150 156.4 0.0 350.6



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: 23.177 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064789.D

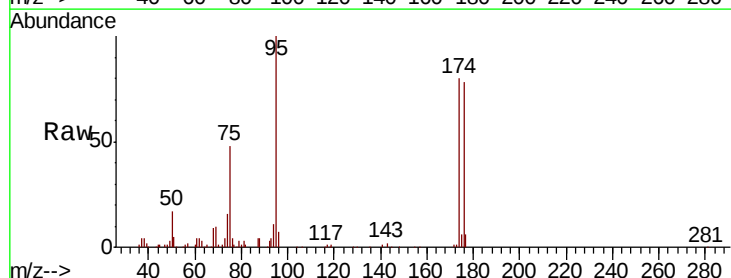
Acq: 23 Nov 2020 17:34

Tgt Ion: 75 Resp: 65717

Ion Ratio Lower Upper

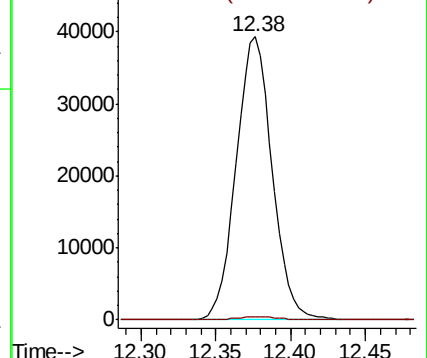
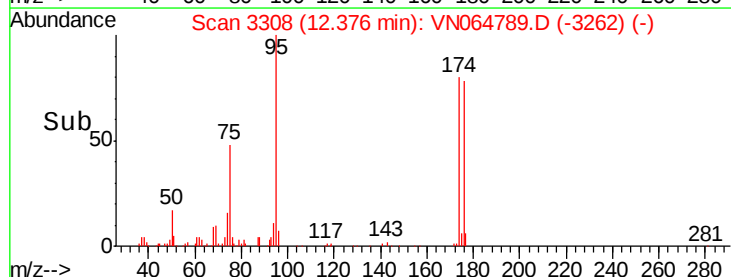
75 100

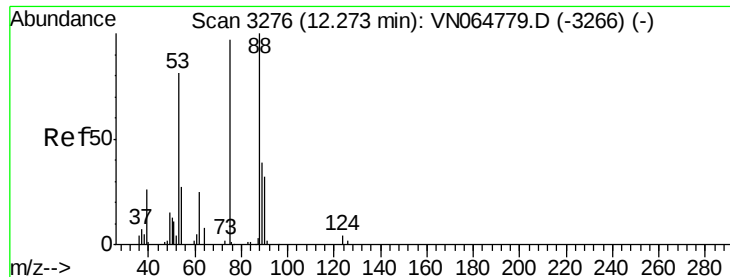
77 1.2 0.0 0.0#



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: 63.524 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064789.D

Acq: 23 Nov 2020 17:34

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

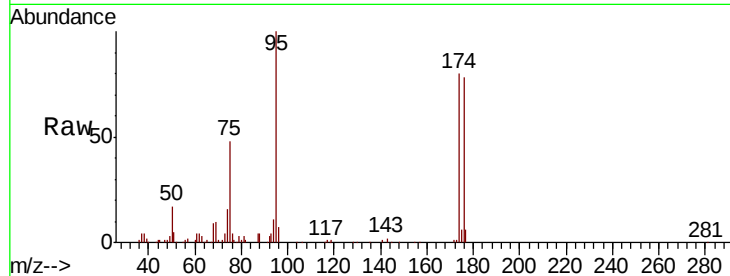
Tot Ion: 75 Resp: 65717

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

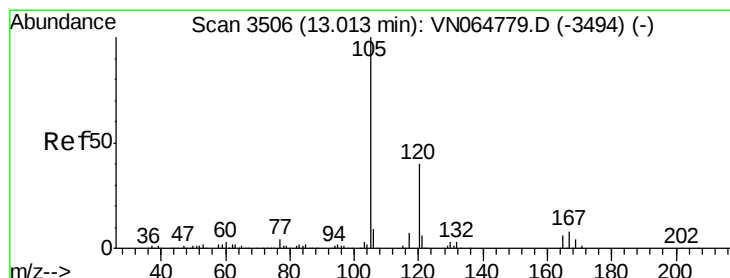
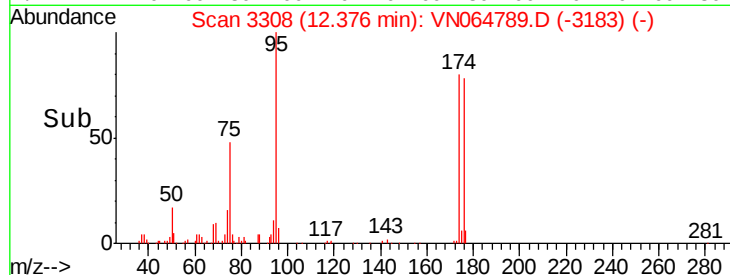
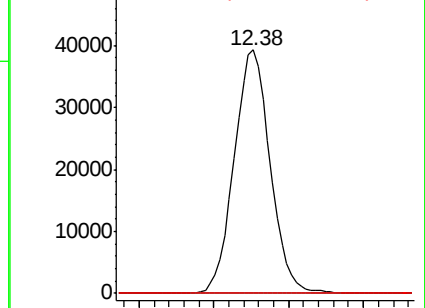
89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064779.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064779.D (-3266) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.278 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064789.D

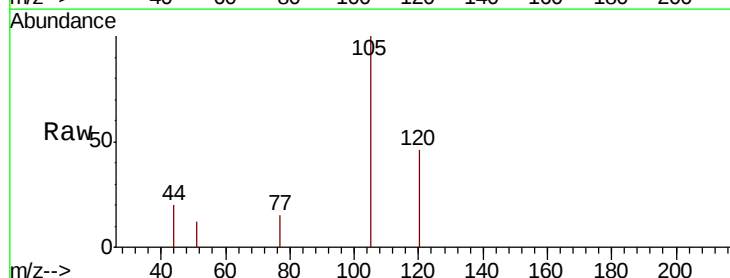
Acq: 23 Nov 2020 17:34

Tgt Ion:105 Resp: 2140

Ion Ratio Lower Upper

105 100

120 46.3 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3494) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3494) (-)

