

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064905.D
 Acq On : 3 Dec 2020 17:51
 Operator : JC/MD
 Sample : L4938-03RE
 Misc : 5.01µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IB1-TREATED-EFFLU

Quant Time: Dec 04 03:00:55 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	175679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	313443	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	326401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	145909	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	107522	52.65	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.30%
35) Dibromofluoromethane	7.55	113	99126	52.85	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.70%
50) Toluene-d8	10.06	98	393720	51.38	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.76%
62) 4-Bromofluorobenzene	12.38	95	151831	55.36	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.72%

Target Compounds

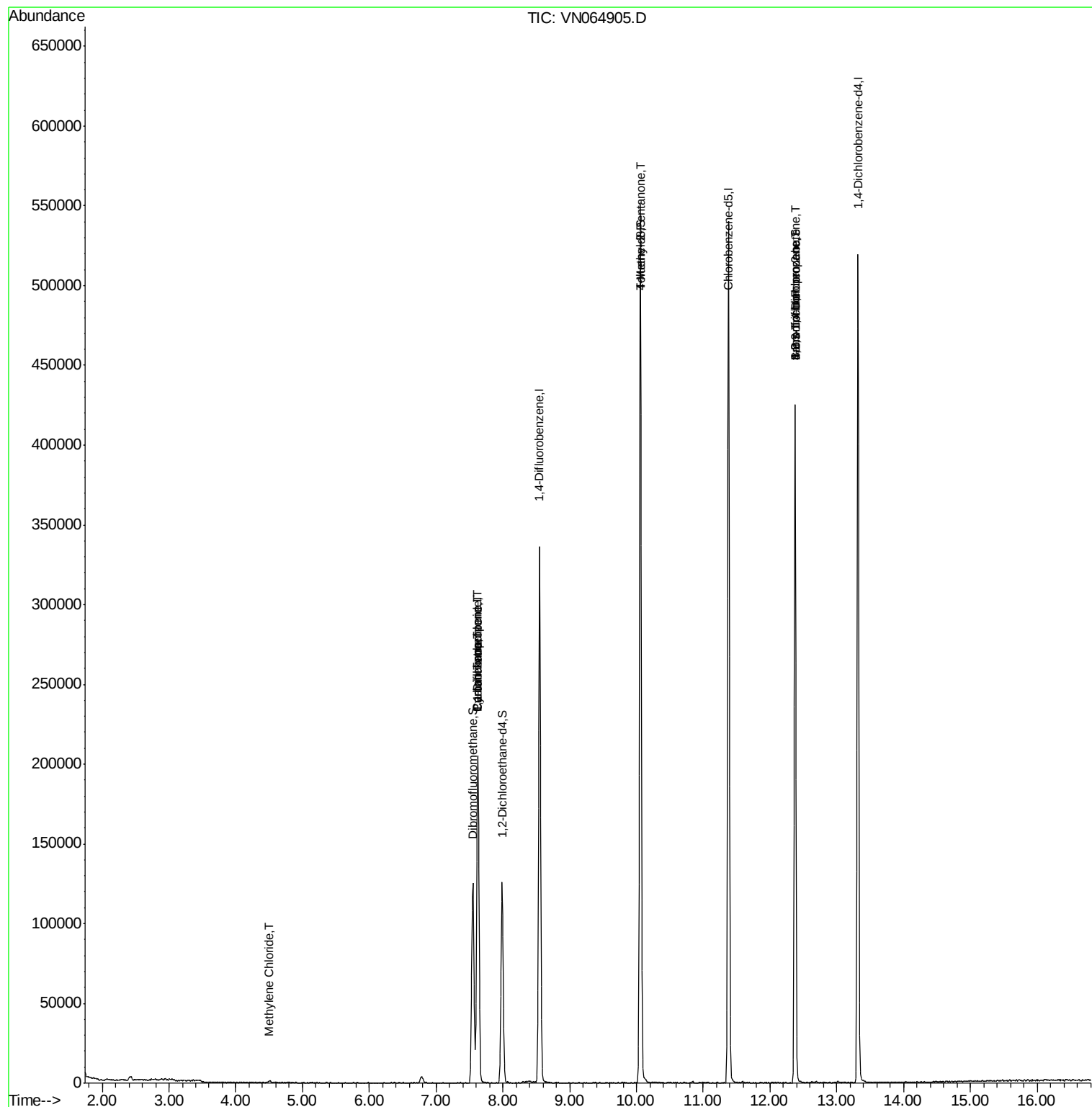
					Qvalue	
20) Methylene Chloride	4.50	84	742	0.353	ug/l #	49
31) Cyclohexane	7.62	56	3038	1.067	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	12422	4.276	ug/l #	47
38) Carbon Tetrachloride	7.62	117	16411	5.429	ug/l #	18
51) 4-Methyl-2-Pentanone	10.06	43	1494	0.553	ug/l #	1
71) Bromoform	12.38	173	1308	0.636	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	72955	23.217	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	72955	63.633	ug/l #	15

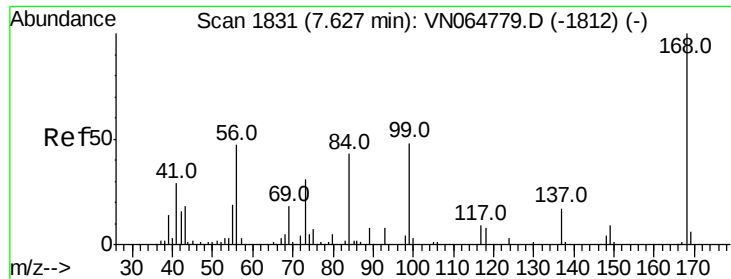
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VN064905.D

Acq: 3 Dec 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

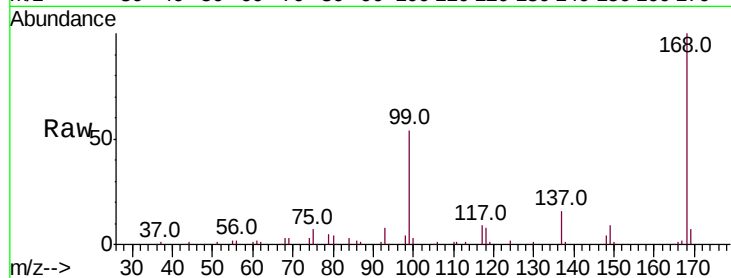
IB1-TREATED-EFFLU

Tot Ion:168 Resp: 175679

Ion Ratio Lower Upper

168 100

99 54.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064779.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN064779.D (-1812) (-)

7.63

80000

60000

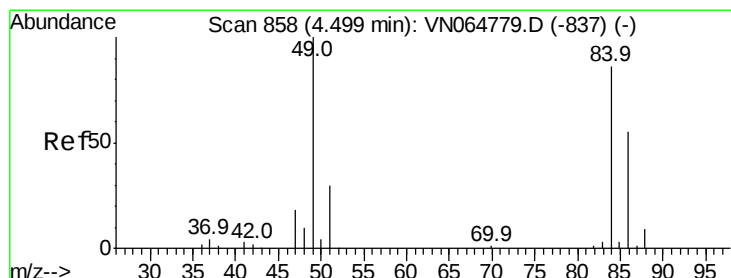
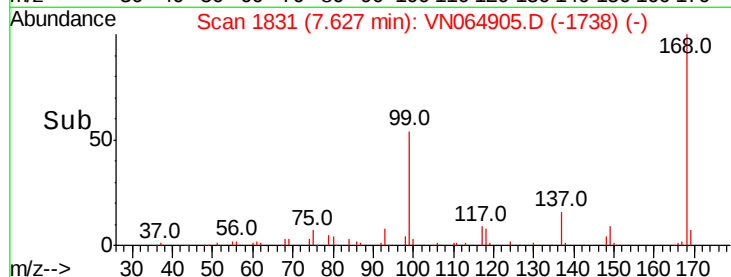
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#20

Methylene Chloride

Concen: 0.353 ug/l

RT: 4.50 min Scan# 858

Delta R.T. -0.00 min

Lab File: VN064905.D

Acq: 3 Dec 2020 17:51

Tgt Ion: 84 Resp: 742

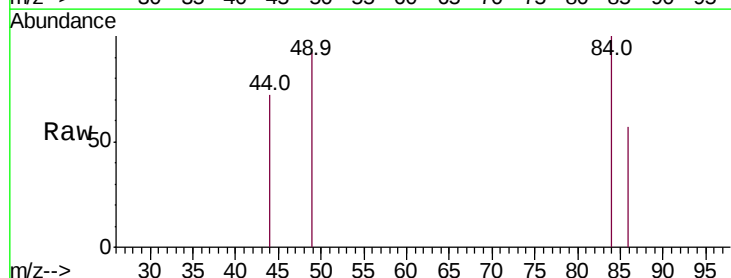
Ion Ratio Lower Upper

84 100

49 39.9 93.4 140.0#

51 0.0 28.2 42.4#

86 57.1 51.7 77.5



Abundance Ion 83.90 (83.60 to 84.60): VN064779.D (-837) (-)

Ion 48.90 (48.60 to 49.60): VN064779.D (-837) (-)

Ion 50.90 (50.60 to 51.60): VN064779.D (-837) (-)

Ion 85.90 (85.60 to 86.60): VN064779.D (-837) (-)

4.50

600

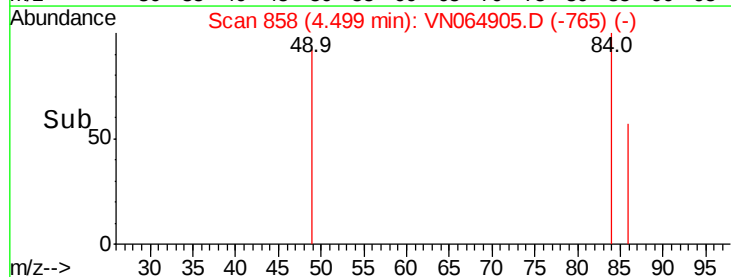
400

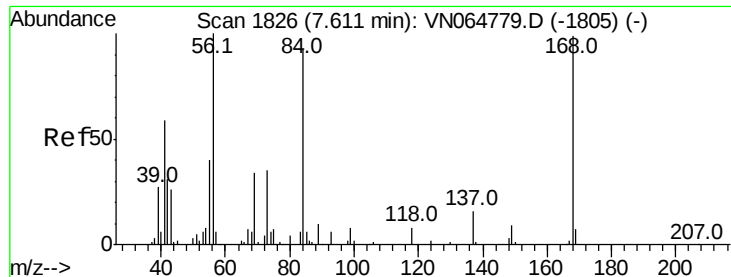
200

0

4.46 4.48 4.50 4.52

Time-->

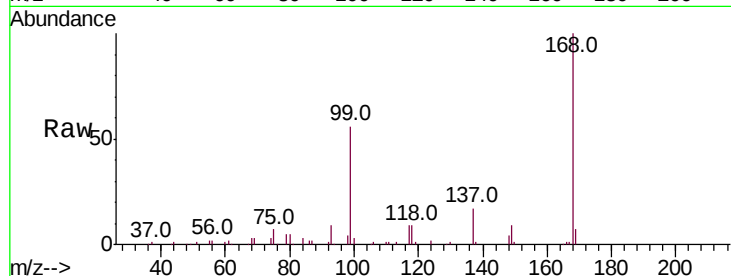




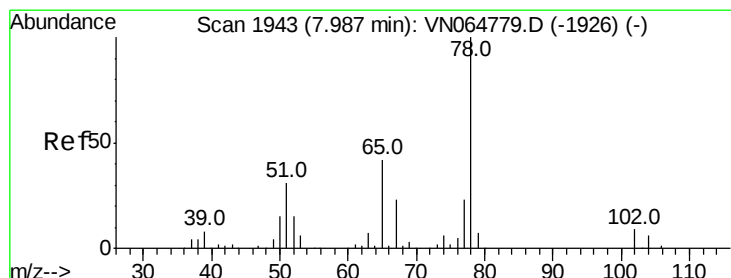
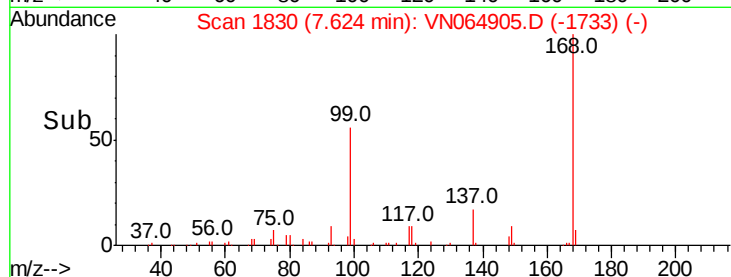
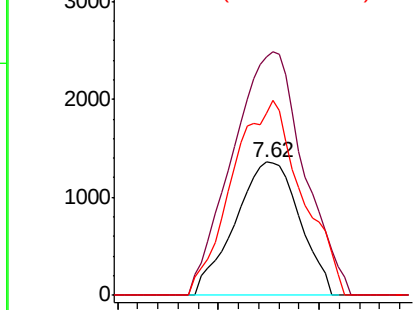
#31
Cvclohexane
Concen: 1.067 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064905.D
Acq: 3 Dec 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
IB1-TREATED-EFFLU

Tot Ion: 56 Resp: 3038
Ion Ratio Lower Upper
56 100
69 179.5 27.5 41.3#
84 136.6 73.9 110.9#

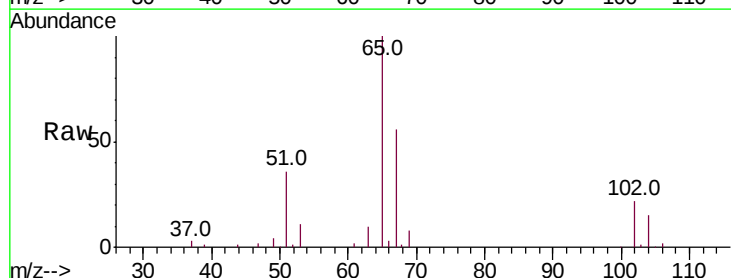


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

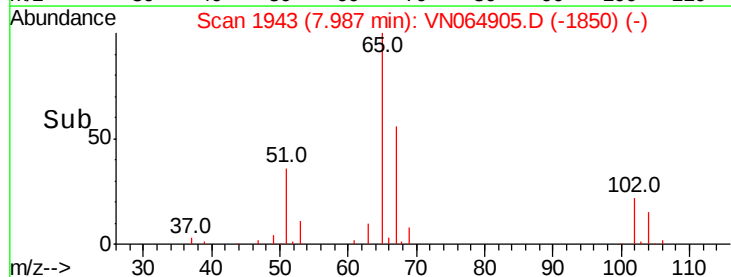
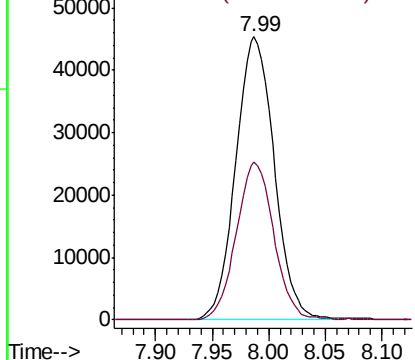


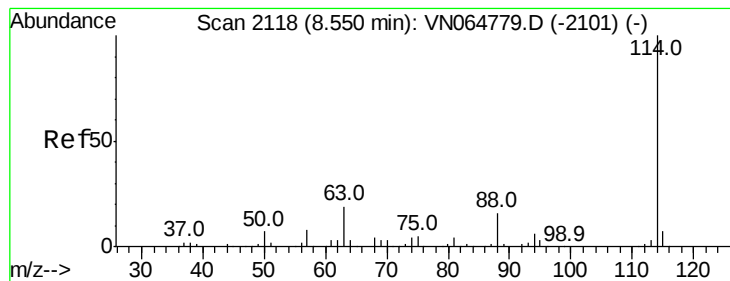
#33
1,2-Dichloroethane-d4
Concen: 52.645 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064905.D
Acq: 3 Dec 2020 17:51

Tgt Ion: 65 Resp: 107522
Ion Ratio Lower Upper
65 100
67 54.3 0.0 108.2



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: VN064905.D

Acq: 3 Dec 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

IB1-TREATED-EFFLU

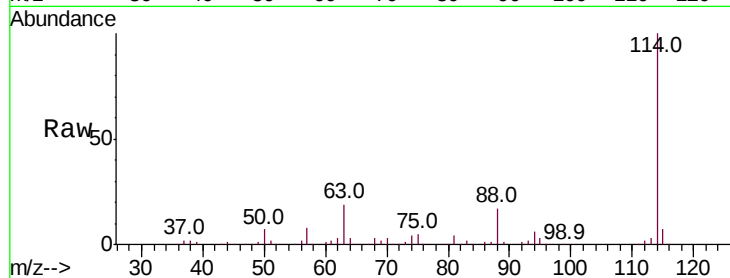
Tot Ion:114 Resp: 313443

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

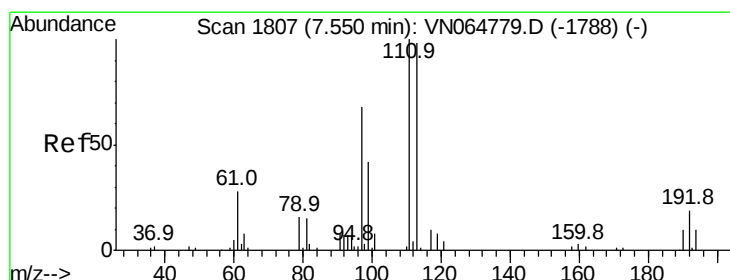
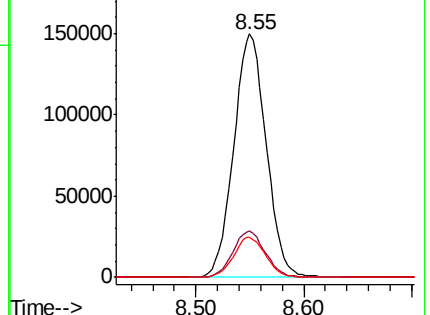
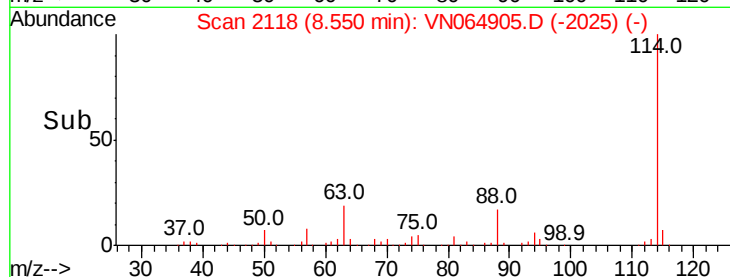
88 16.5 0.0 32.6



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: 52.852 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN064905.D

Acq: 3 Dec 2020 17:51

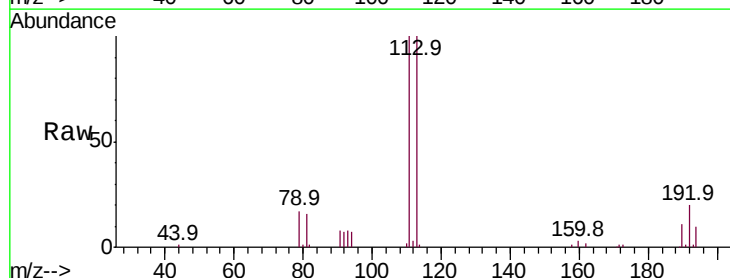
Tgt Ion:113 Resp: 99126

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

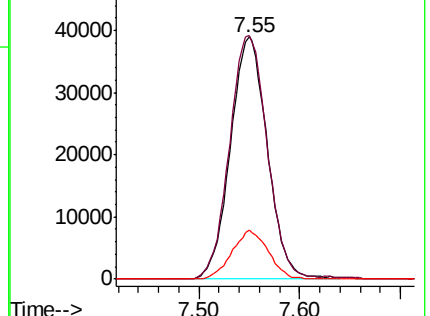
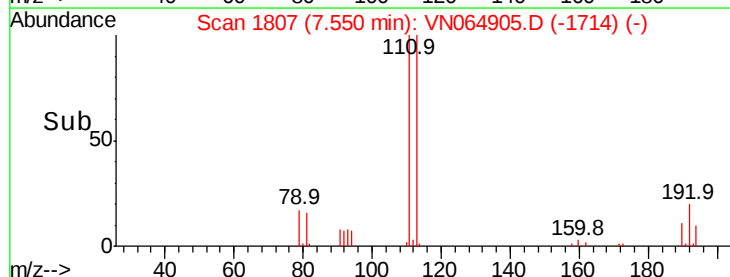
192 19.7 16.2 24.2

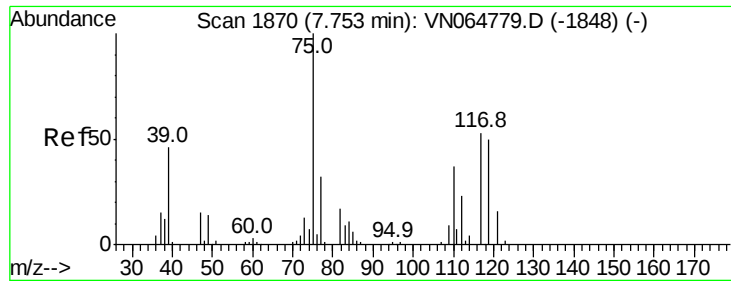


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

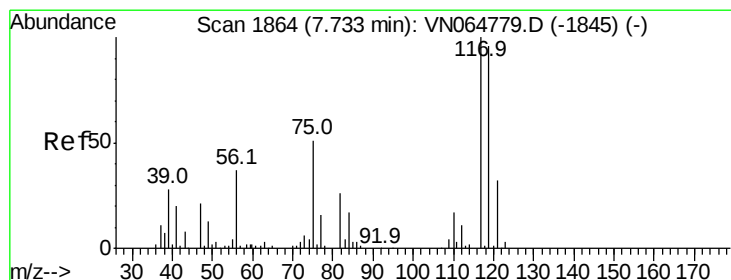
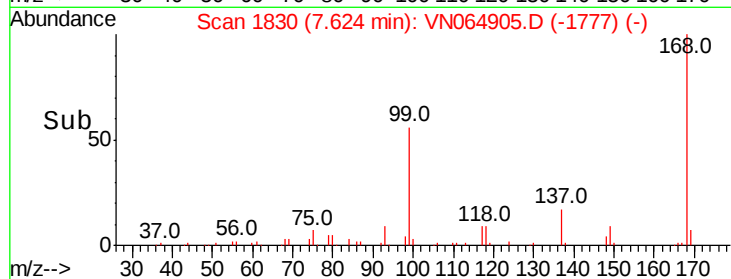
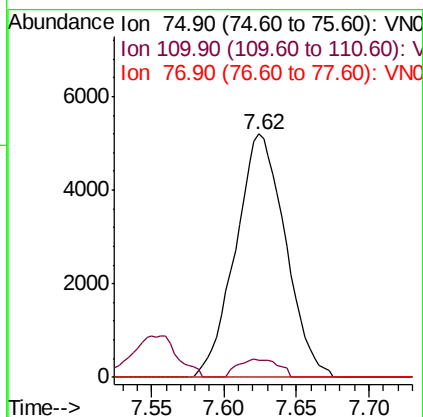
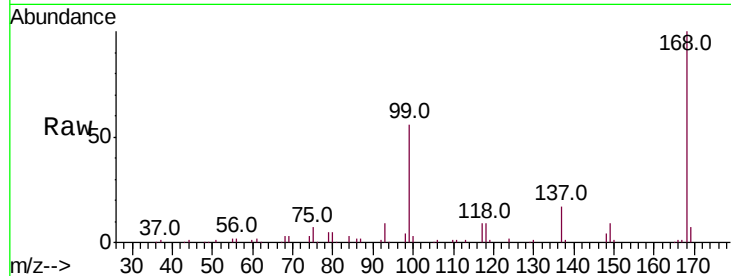




#36
 1,1-Dichloropropene
 Concen: 4.276 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064905.D
 Acq: 3 Dec 2020 17:51

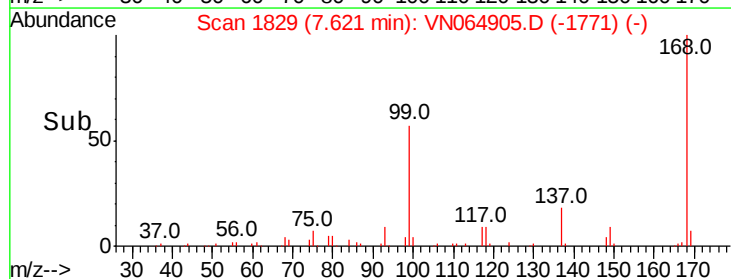
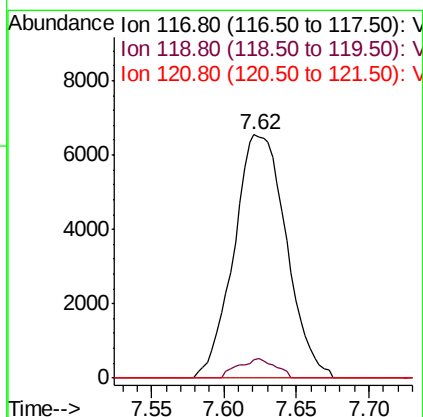
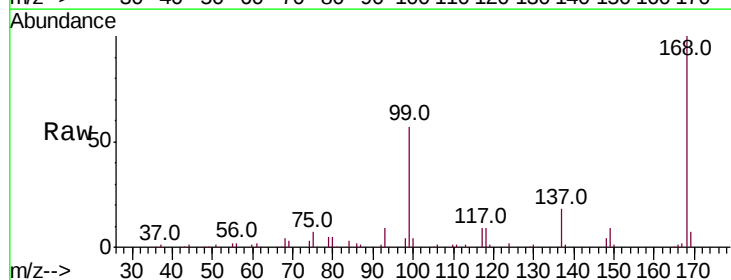
Instrument :
 MSVOA_N
 ClientSampleId :
 IB1-TREATED-EFFLU

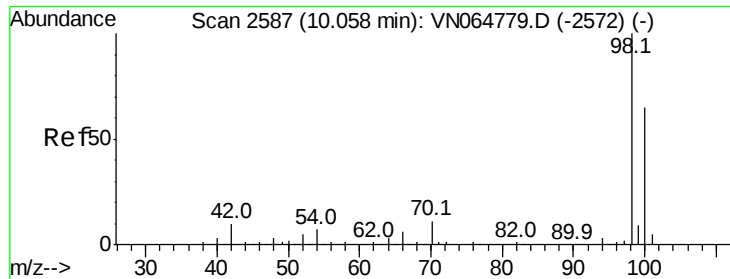
Tot Ion: 75 Resp: 12422
 Ion Ratio Lower Upper
 75 100
 110 6.1 17.8 53.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.429 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.11 min
 Lab File: VN064905.D
 Acq: 3 Dec 2020 17:51

Tgt Ion: 117 Resp: 16411
 Ion Ratio Lower Upper
 117 100
 119 7.4 76.7 115.1#
 121 0.0 25.4 38.2#





#50

Toluene-d8

Concen: 51.377 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064905.D

Acq: 3 Dec 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

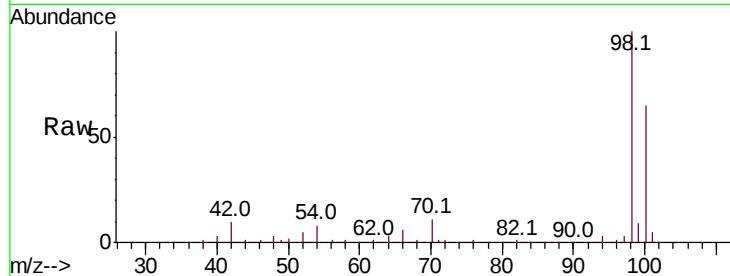
IB1-TREATED-EFFLU

Tot Ion: 98 Resp: 393720

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

250000

200000

150000

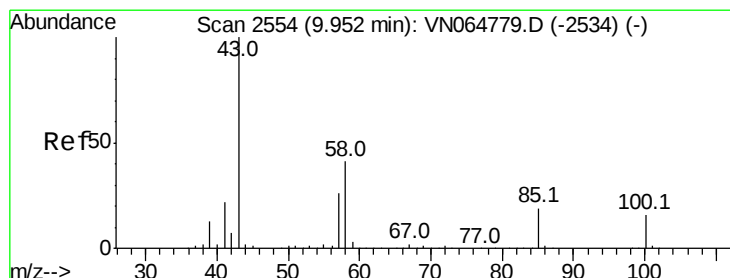
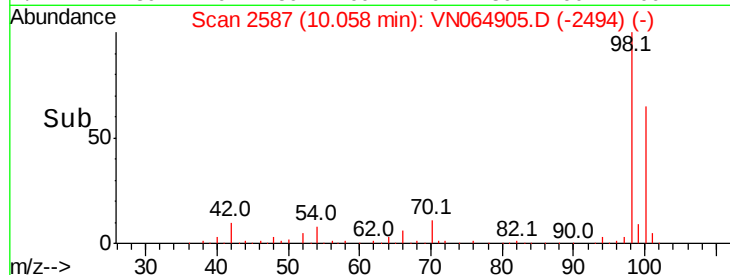
100000

50000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.553 ug/l

RT: 10.06 min Scan# 2589

Delta R.T. 0.11 min

Lab File: VN064905.D

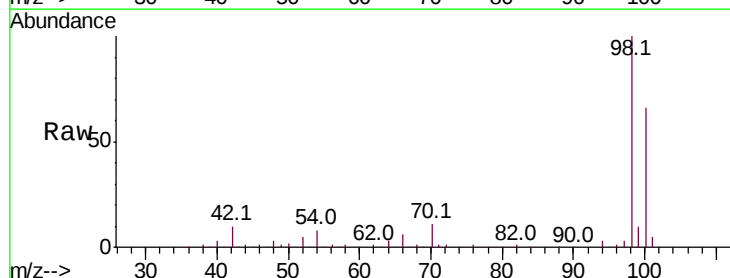
Acq: 3 Dec 2020 17:51

Tgt Ion: 43 Resp: 1494

Ion Ratio Lower Upper

43 100

58 190.8 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1500

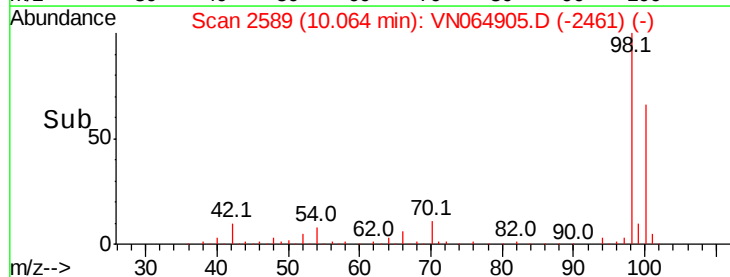
1000

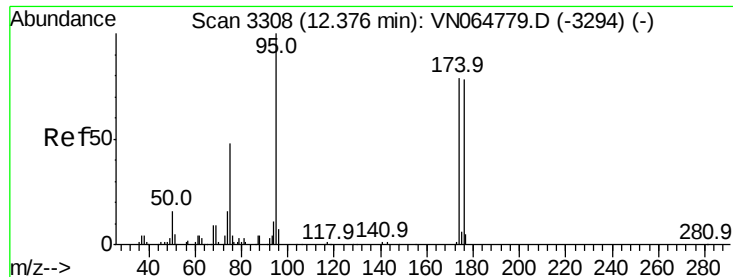
500

0

10.00 10.05 10.10

Time-->

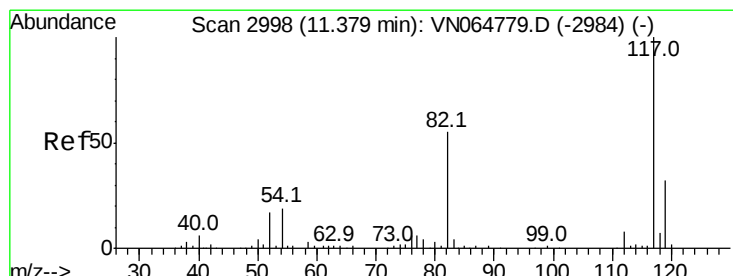
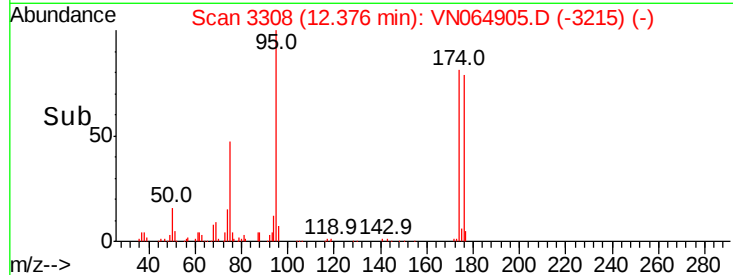
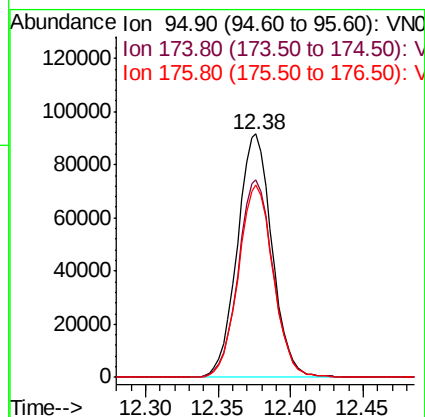
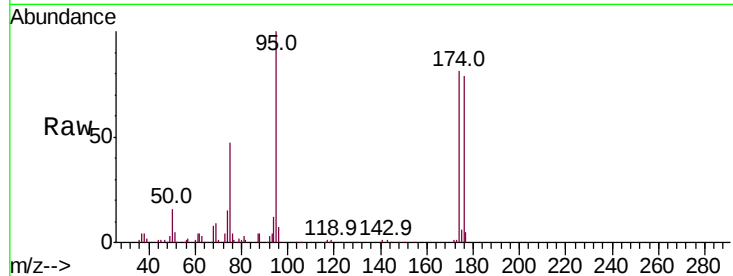




#62
4-Bromofluorobenzene
Concen: 55.361 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064905.D
Acq: 3 Dec 2020 17:51

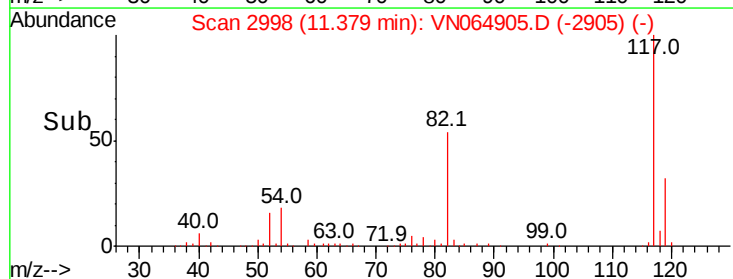
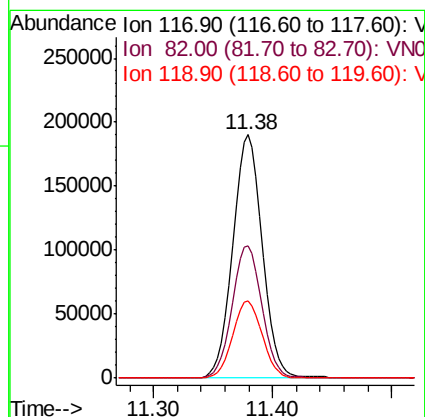
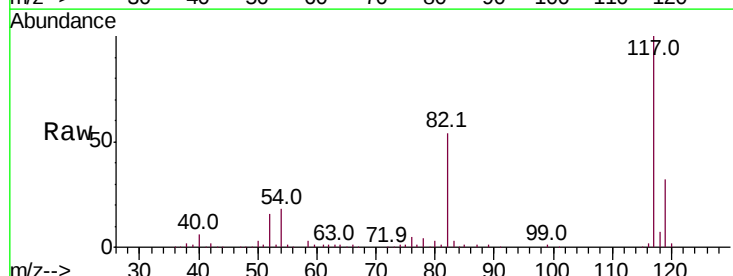
Instrument :
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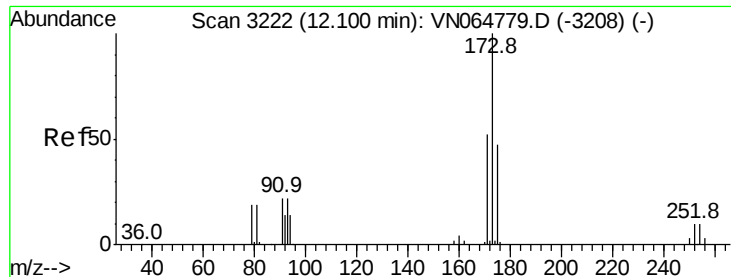
Tot Ion: 95 Resp: 151831
Ion Ratio Lower Upper
95 100
174 81.9 0.0 160.4
176 79.6 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064905.D
Acq: 3 Dec 2020 17:51

Tgt Ion: 117 Resp: 326401
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.2
119 31.6 25.8 38.6

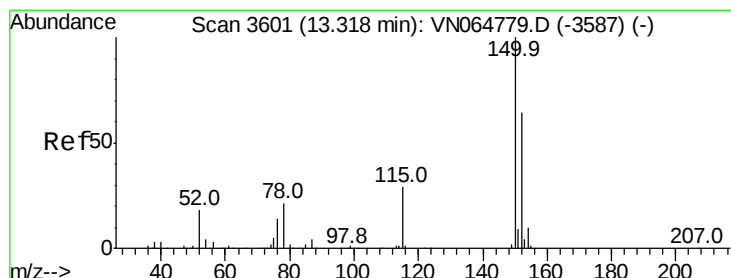
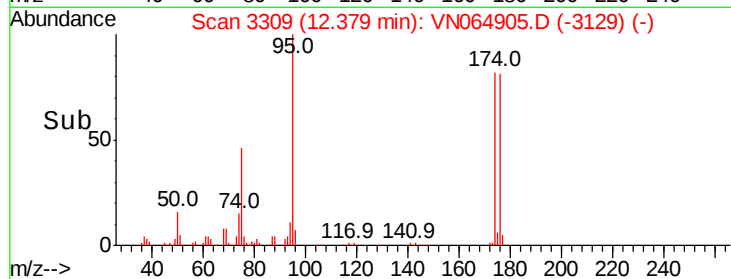
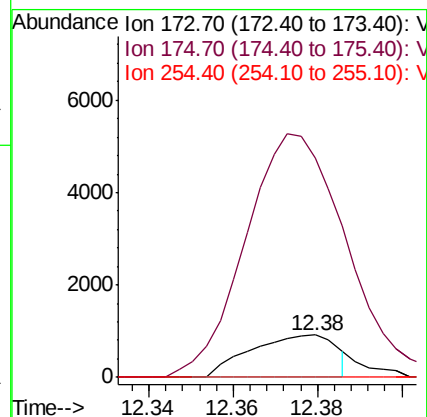
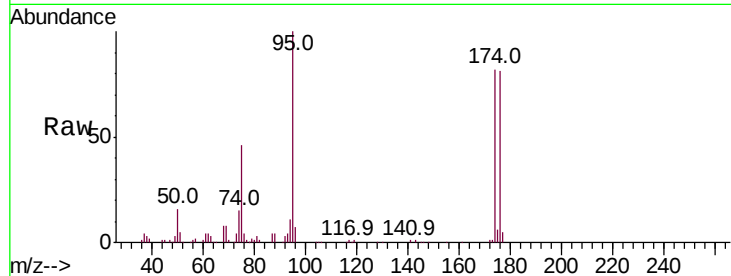




#71
Bromoform
Concen: 0.636 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.28 min
Lab File: VN064905.D
Acq: 3 Dec 2020 17:51

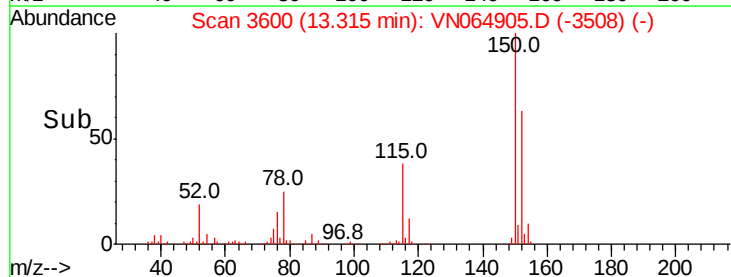
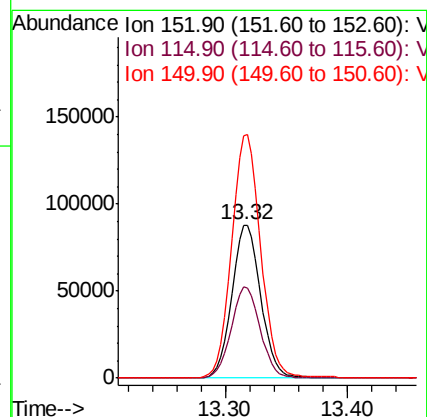
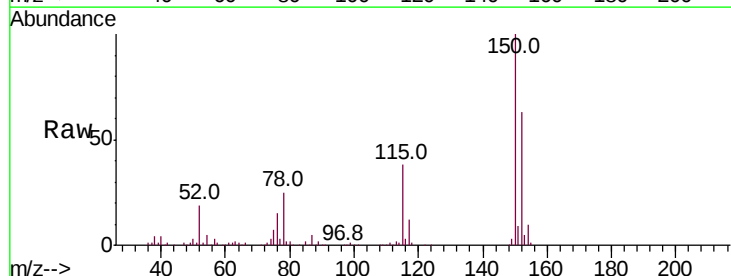
Instrument :
MSVOA_N
ClientSampleId :
IB1-TREATED-EFFLU

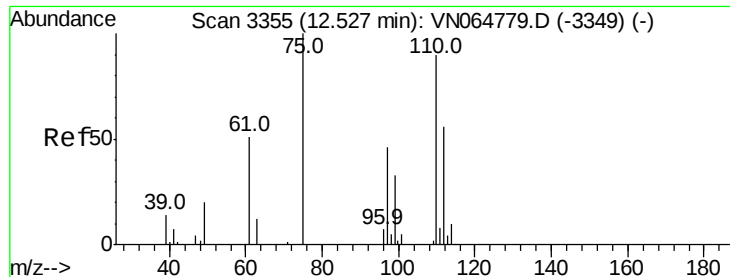
Tot Ion:173 Resp: 1308
Ion Ratio Lower Upper
173 100
175 578.6 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064905.D
Acq: 3 Dec 2020 17:51

Tgt Ion:152 Resp: 145909
Ion Ratio Lower Upper
152 100
115 59.7 29.7 89.1
150 160.1 0.0 350.6





#76

1,2,3-Trichloropropane

Concen: 23.217 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064905.D

Acq: 3 Dec 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

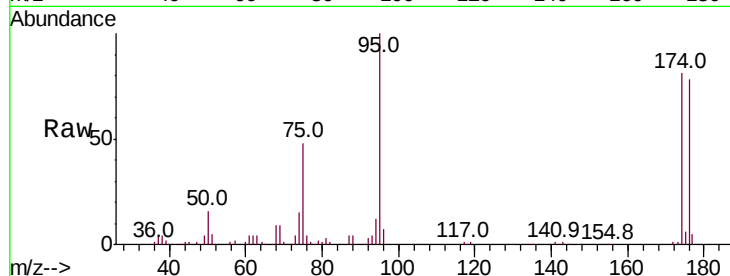
IB1-TREATED-EFFLU

Tot Ion: 75 Resp: 72955

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064905.D (-3183) (-)

Ion 77.00 (76.70 to 77.70): VN064905.D (-3183) (-)

12.37

40000

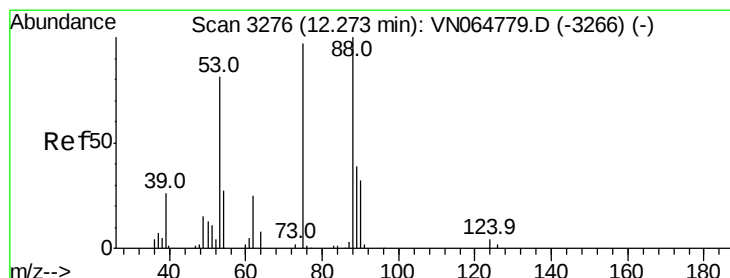
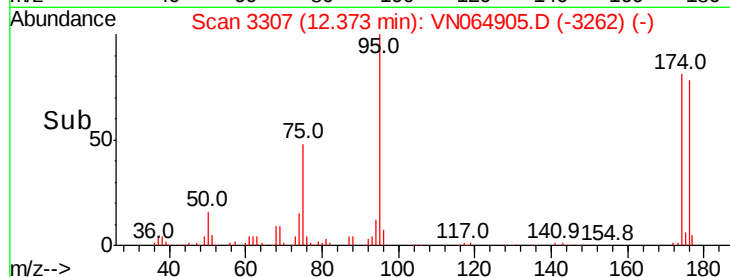
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.633 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064905.D

Acq: 3 Dec 2020 17:51

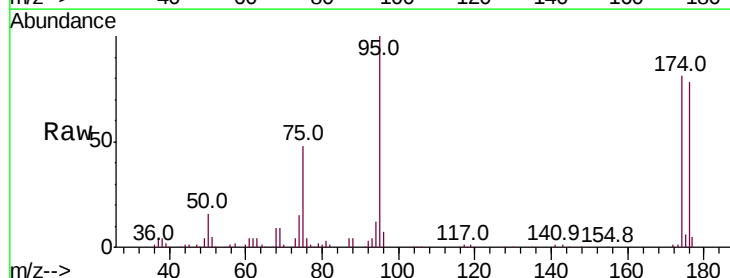
Tgt Ion: 75 Resp: 72955

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): VN064905.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064905.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064905.D (-3183) (-)

12.37

60000

50000

40000

30000

20000

10000

0

Time-->

