

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120120\
 Data File : VN064881.D
 Acq On : 1 Dec 2020 14:40
 Operator : JC/MD
 Sample : L4908-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Dec 02 00:17:16 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	7.62	168	154135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	278426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	283238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	126218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	97296	54.30	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	108.60%
35) Dibromofluoromethane	7.55	113	88855	53.33	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.66%
50) Toluene-d8	10.06	98	342709	50.35	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.70%
62) 4-Bromofluorobenzene	12.38	95	131690	54.06	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.12%

Target Compounds

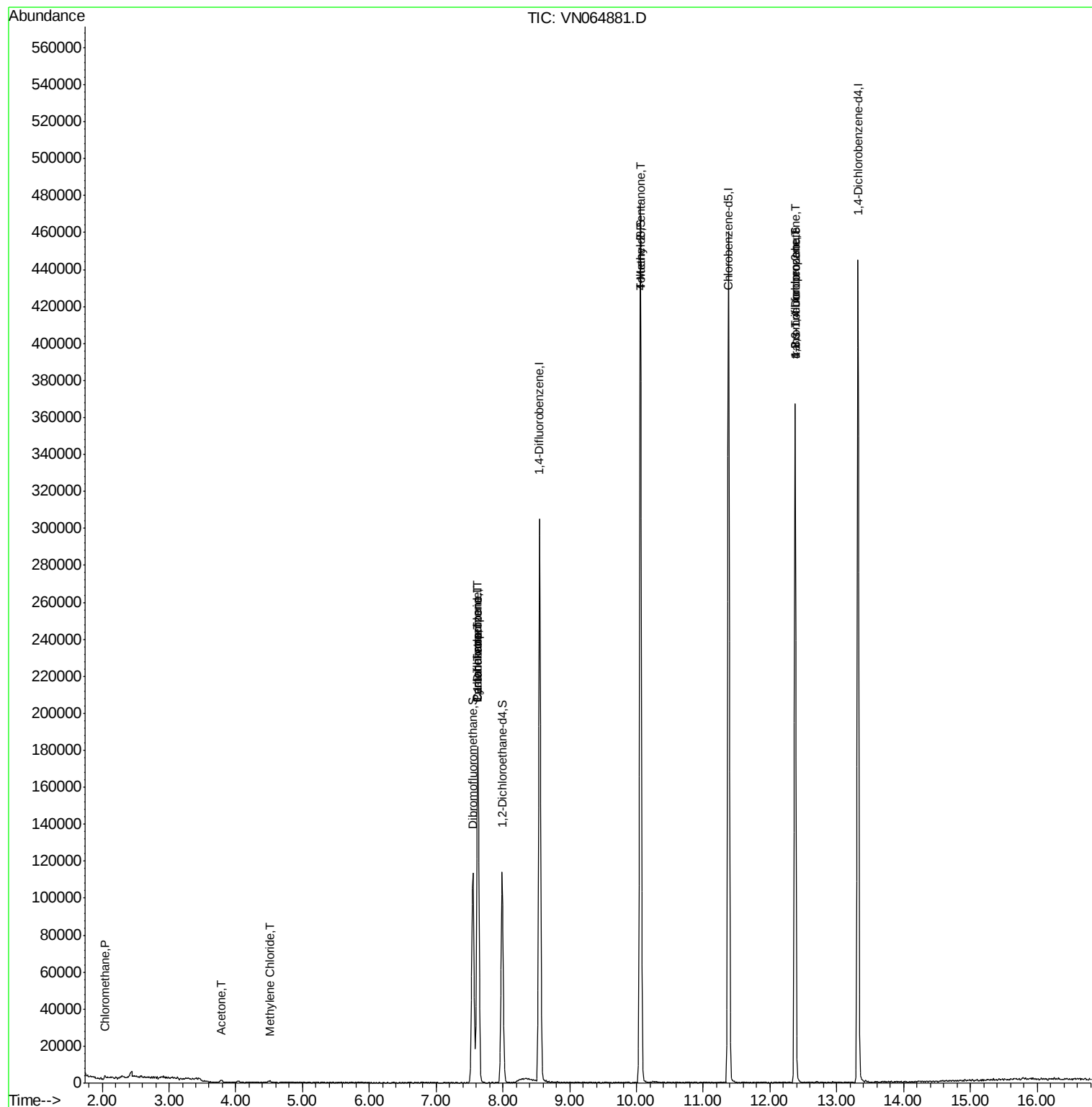
					Qvalue	
3) Chloromethane	2.04	50	1389	0.800	ug/l	99
16) Acetone	3.78	43	1893	3.214	ug/l	89
20) Methylene Chloride	4.51	84	757	0.410	ug/l #	91
31) Cyclohexane	7.63	56	2730	1.093	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11193	4.337	ug/l #	45
38) Carbon Tetrachloride	7.63	117	14943	5.565	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1442	0.600	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	62079	22.838	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	62079	62.594	ug/l #	15

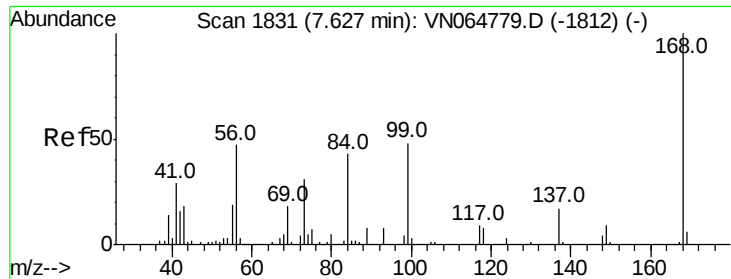
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064881.D

Acq: 1 Dec 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

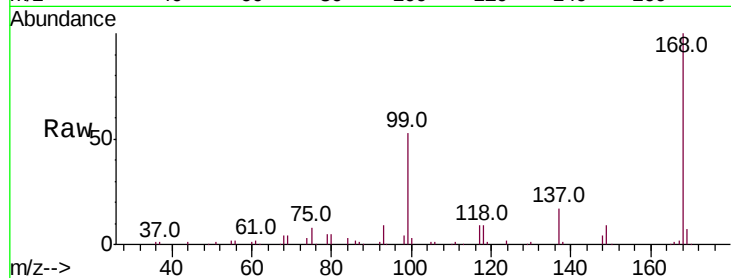
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 154135

Ion Ratio Lower Upper

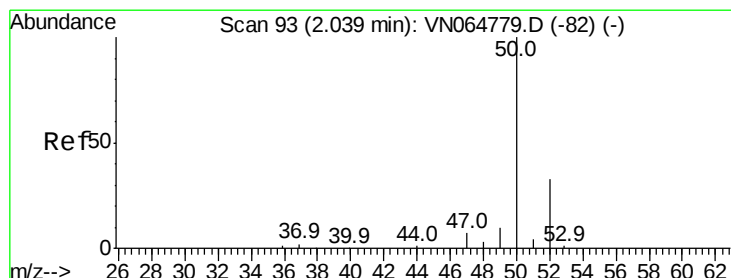
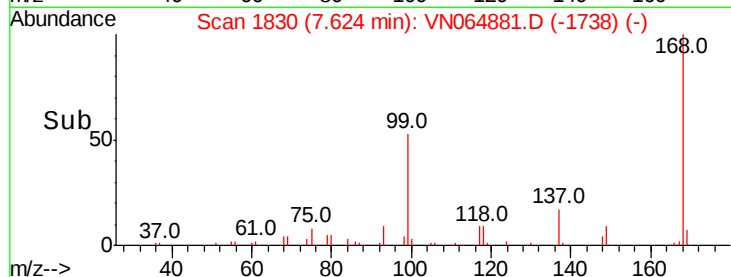
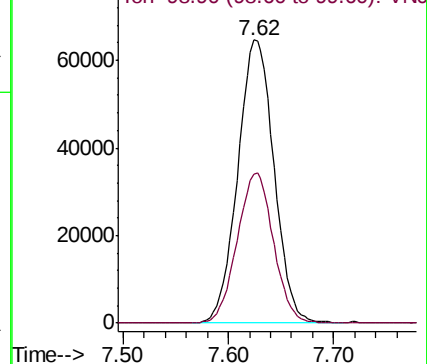
168 100

99 52.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.800 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064881.D

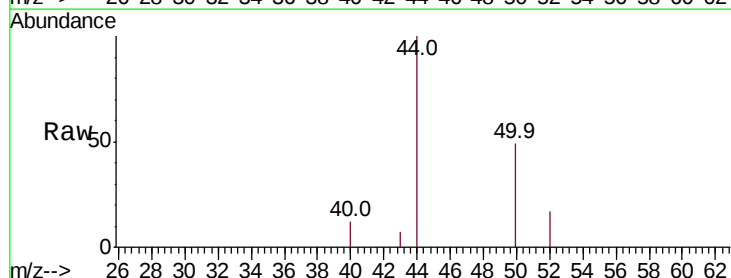
Acq: 1 Dec 2020 14:40

Tgt Ion: 50 Resp: 1389

Ion Ratio Lower Upper

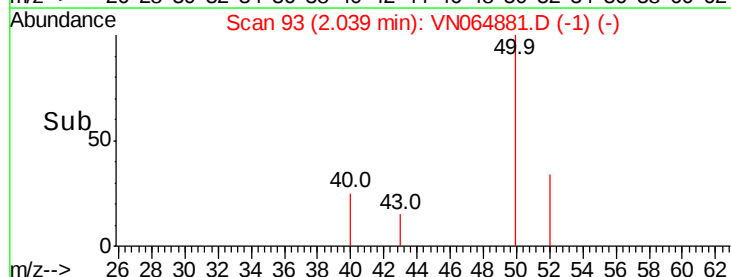
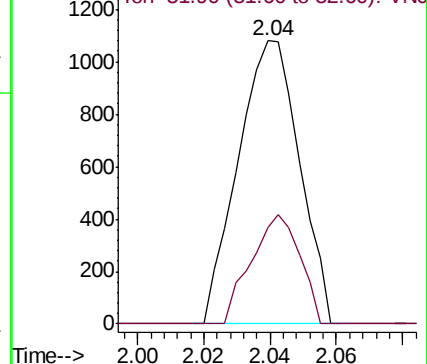
50 100

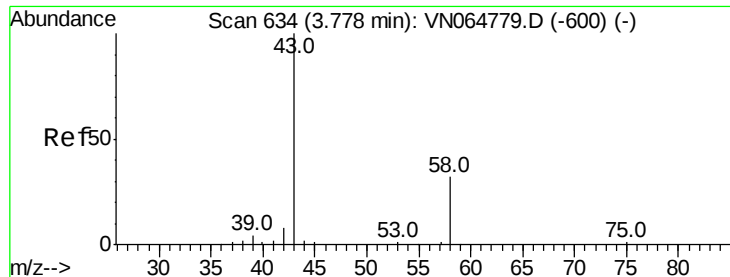
52 34.0 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#16

Acetone

Concen: 3.214 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN064881.D

Acq: 1 Dec 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

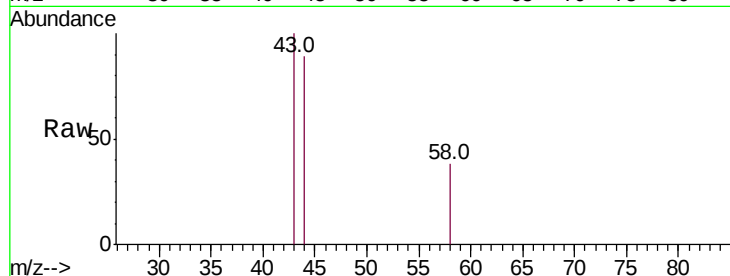
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 1893

Ion Ratio Lower Upper

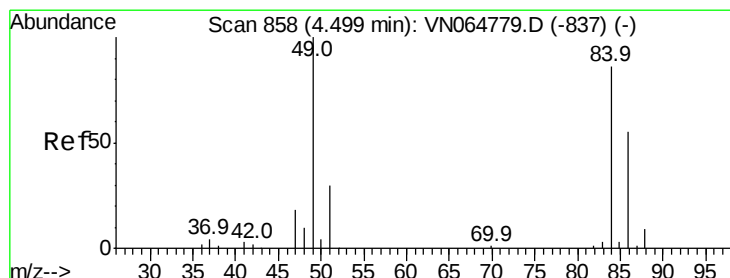
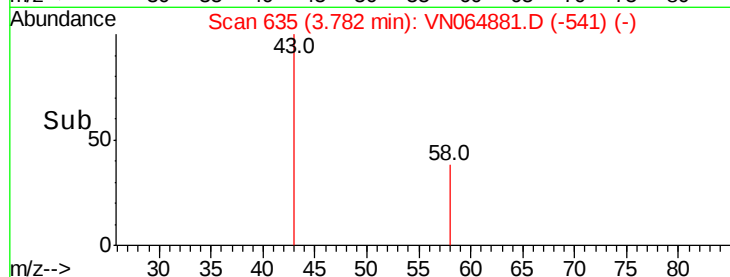
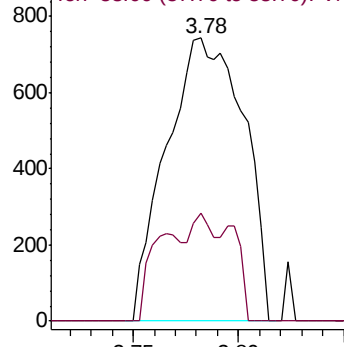
43 100

58 38.1 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#20

Methylene Chloride

Concen: 0.410 ug/l

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN064881.D

Acq: 1 Dec 2020 14:40

Tgt Ion: 84 Resp: 757

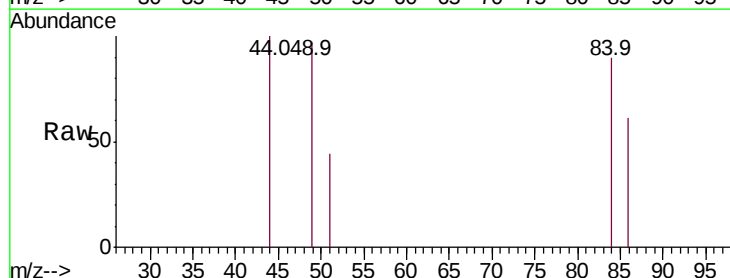
Ion Ratio Lower Upper

84 100

49 107.7 93.4 140.0

51 48.6 28.2 42.4#

86 67.8 51.7 77.5

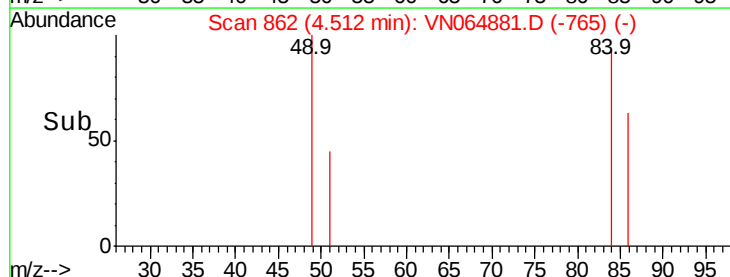
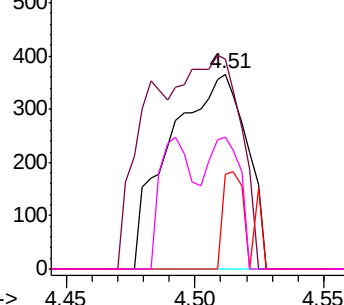


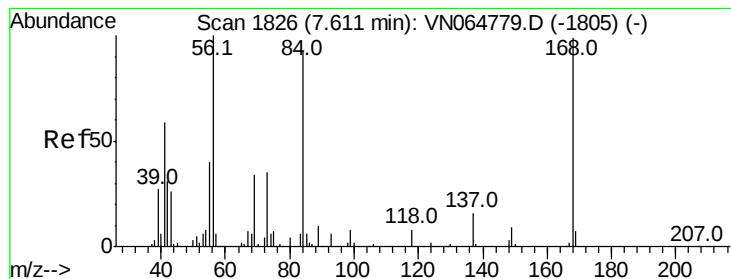
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#31

Cyclohexane

Concen: 1.093 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.02 min

Lab File: VN064881.D

Acq: 1 Dec 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

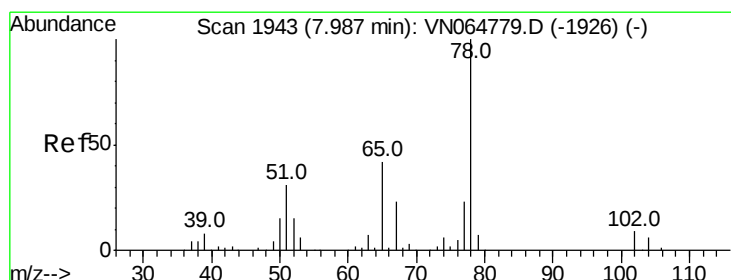
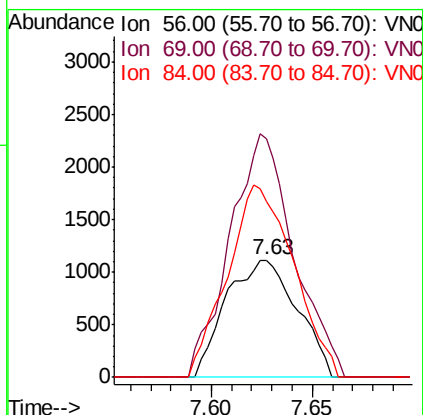
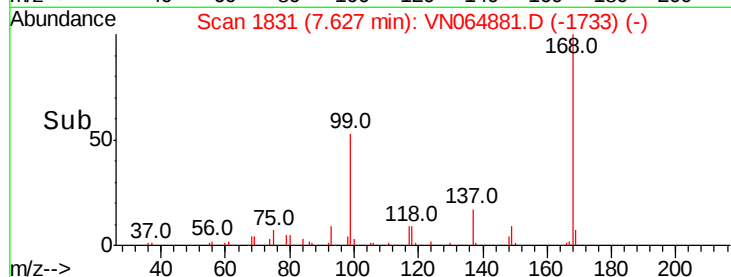
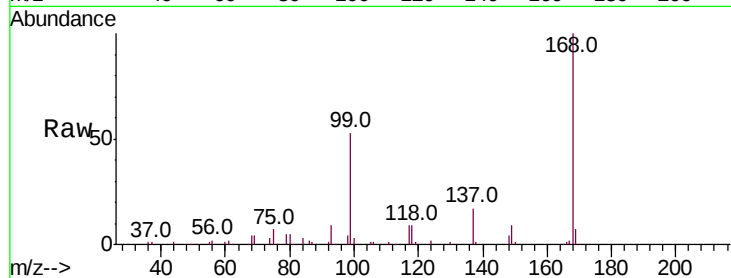
Tot Ion: 56 Resp: 2730

Ion Ratio Lower Upper

56 100

69 203.7 27.5 41.3#

84 149.7 73.9 110.9#



#33

1,2-Dichloroethane-d4

Concen: 54.297 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064881.D

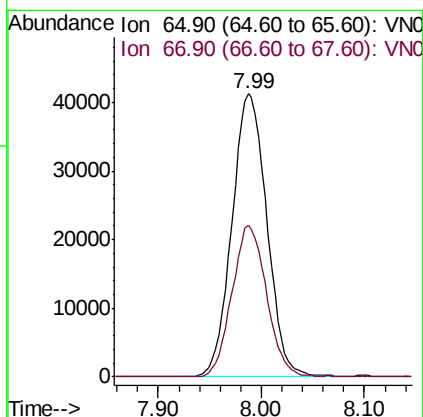
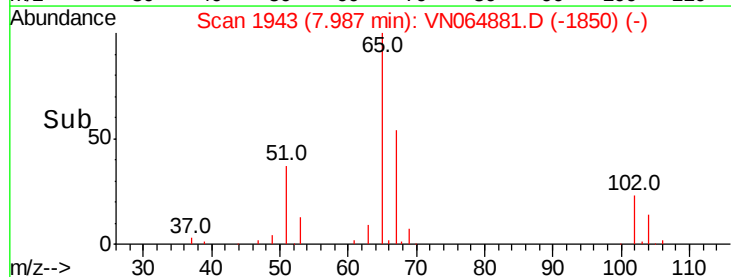
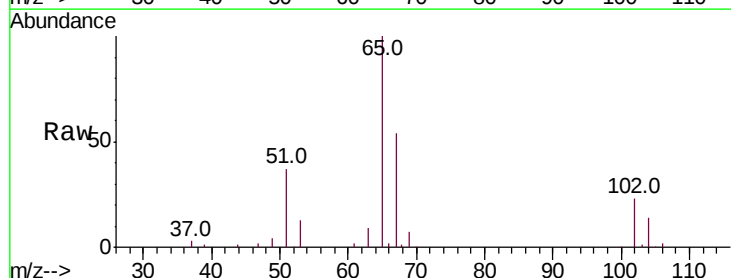
Acq: 1 Dec 2020 14:40

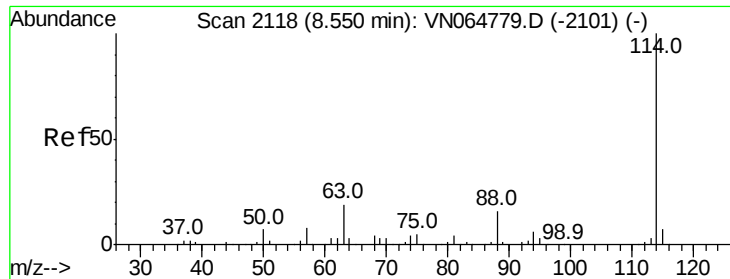
Tgt Ion: 65 Resp: 97296

Ion Ratio Lower Upper

65 100

67 52.9 0.0 108.2

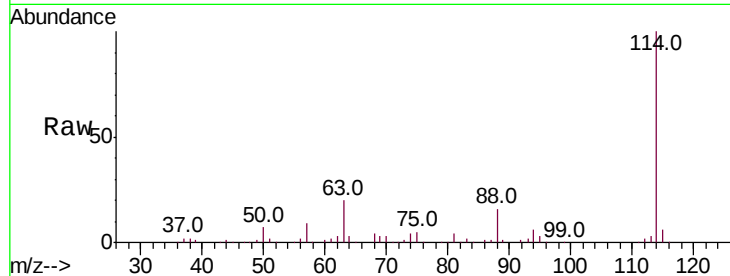




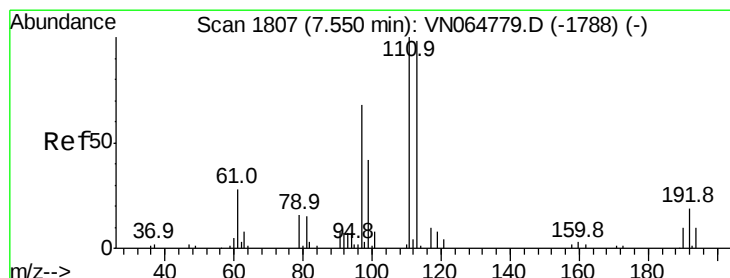
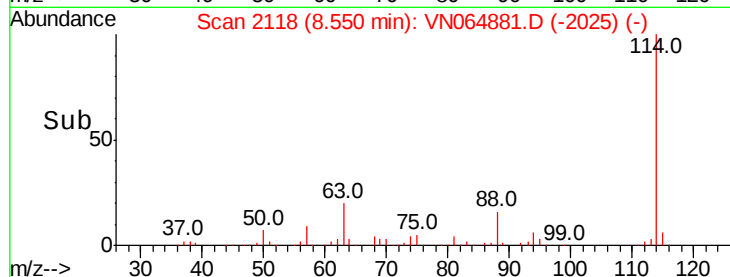
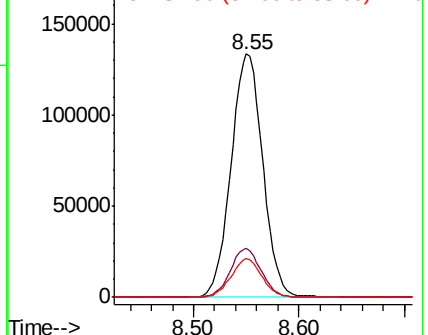
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064881.D
Acq: 1 Dec 2020 14:40

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:114 Resp: 278426
Ion Ratio Lower Upper
114 100
63 20.0 0.0 38.6
88 16.0 0.0 32.6

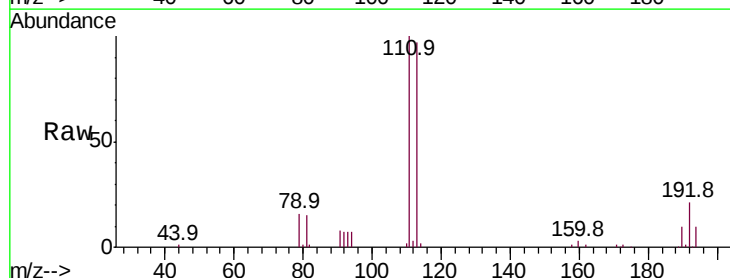


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

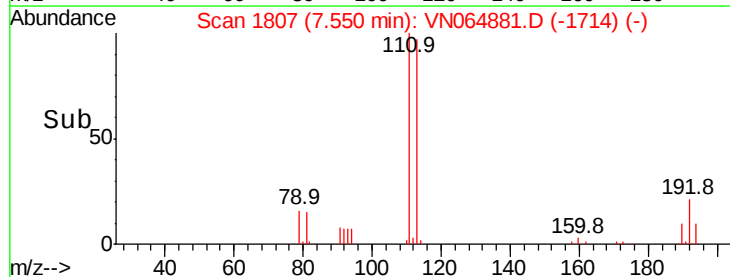
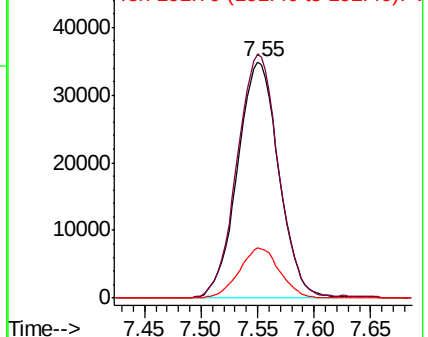


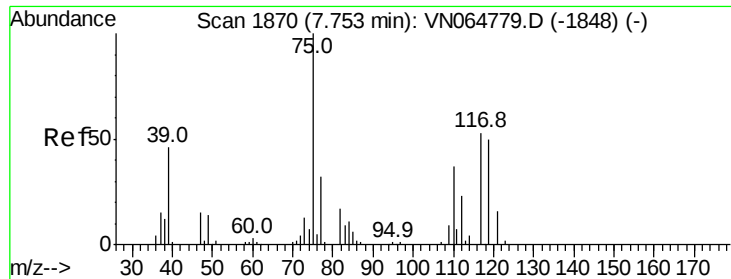
#35
Dibromofluoromethane
Concen: 53.334 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064881.D
Acq: 1 Dec 2020 14:40

Tgt Ion:113 Resp: 88855
Ion Ratio Lower Upper
113 100
111 103.3 81.6 122.4
192 20.7 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: 4.337 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.13 min

Lab File: VN064881.D

Acq: 1 Dec 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

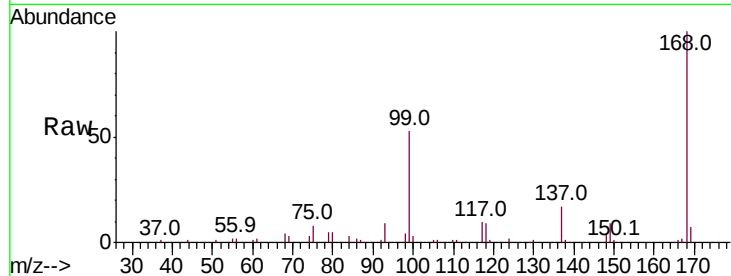
Tot Ion: 75 Resp: 11193

Ion Ratio Lower Upper

75 100

110 4.6 17.8 53.3#

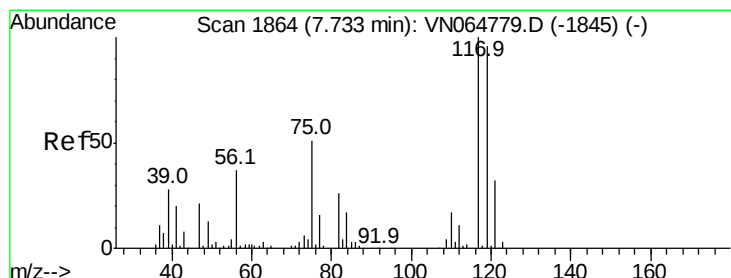
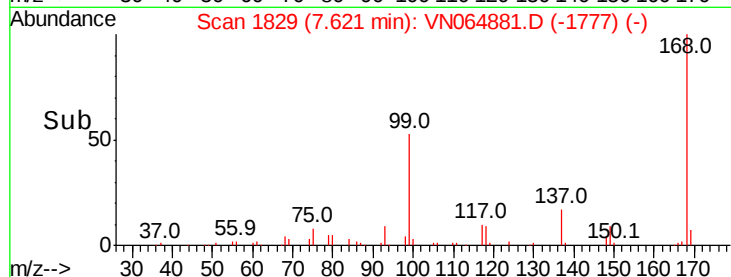
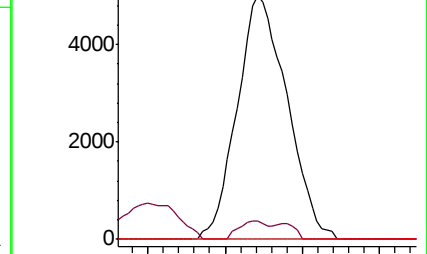
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064881.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN064881.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN064881.D (-1777) (-)



#38

Carbon Tetrachloride

Concen: 5.565 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064881.D

Acq: 1 Dec 2020 14:40

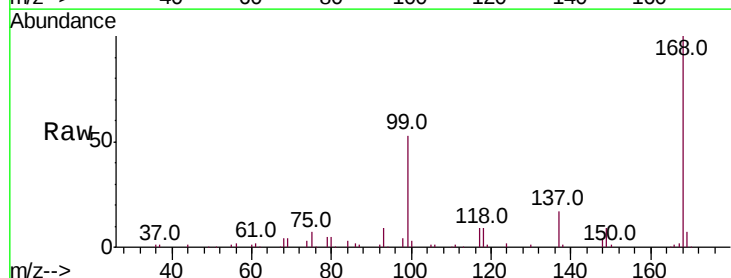
Tgt Ion: 117 Resp: 14943

Ion Ratio Lower Upper

117 100

119 5.9 76.7 115.1#

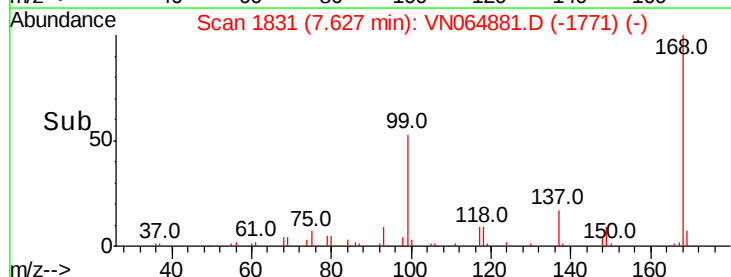
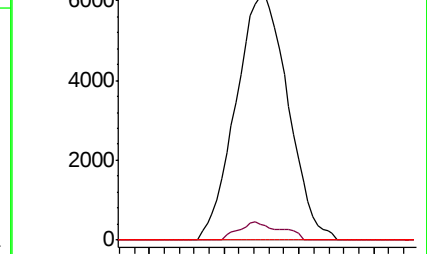
121 0.0 25.4 38.2#

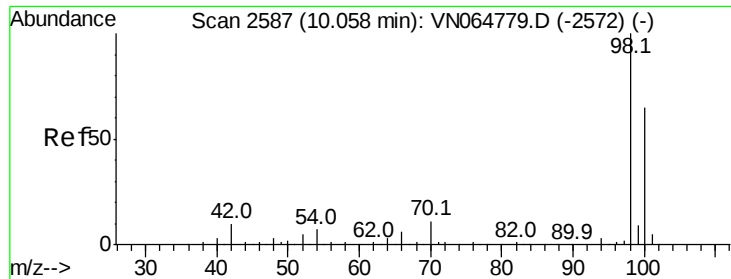


Abundance Ion 116.80 (116.50 to 117.50): VN064881.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN064881.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN064881.D (-1771) (-)





#50

Toluene-d8

Concen: 50.345 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064881.D

Acq: 1 Dec 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

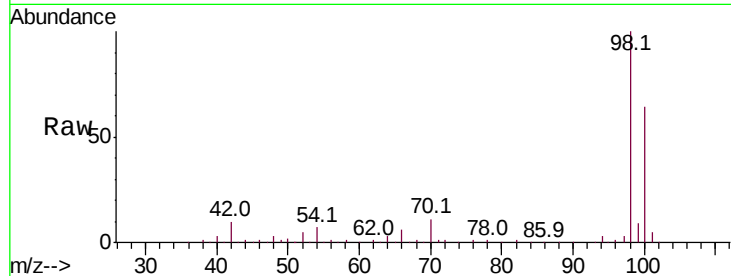
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 98 Resp: 342709

Ion Ratio Lower Upper

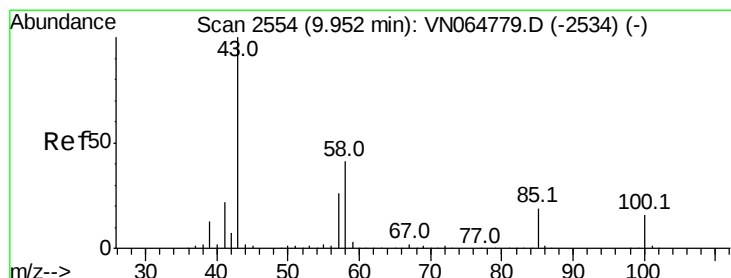
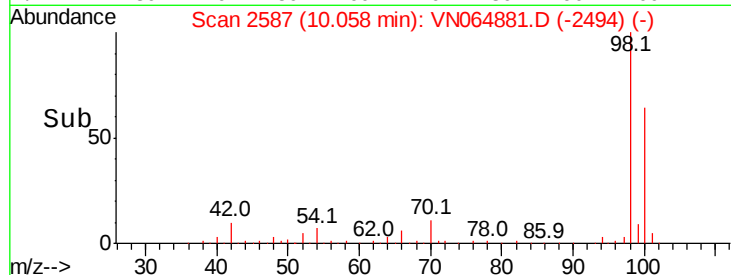
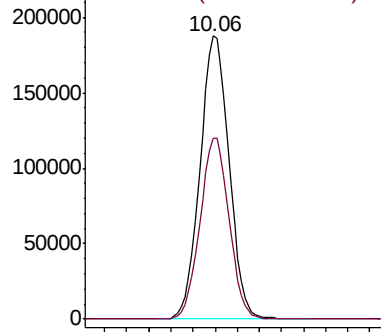
98 100

100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.600 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN064881.D

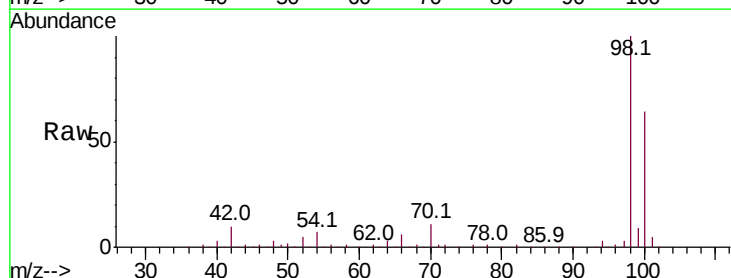
Acq: 1 Dec 2020 14:40

Tgt Ion: 43 Resp: 1442

Ion Ratio Lower Upper

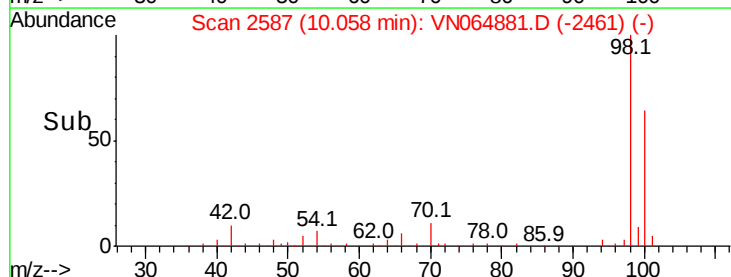
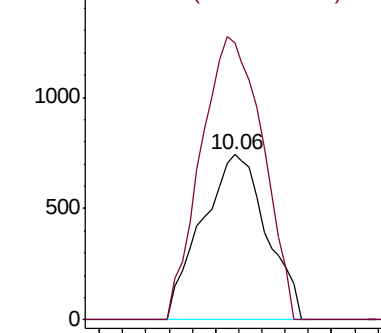
43 100

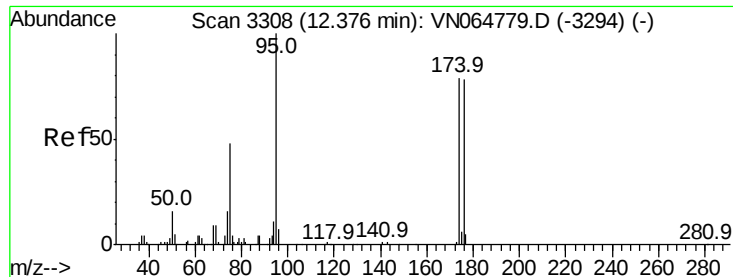
58 163.5 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 54.056 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064881.D

Acq: 1 Dec 2020 14:40

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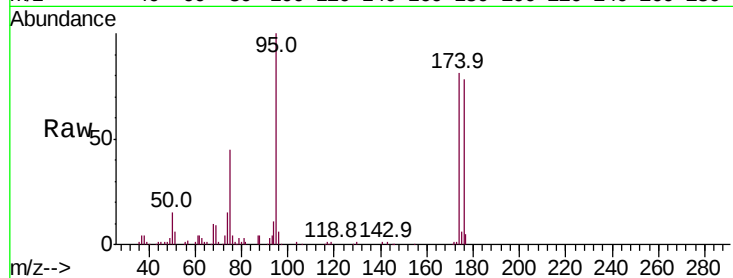
Tot Ion: 95 Resp: 131690

Ion Ratio Lower Upper

95 100

174 81.9 0.0 160.4

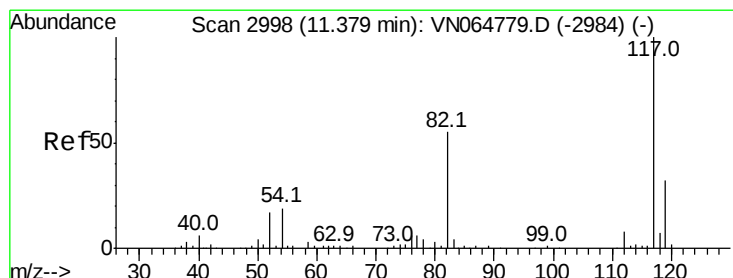
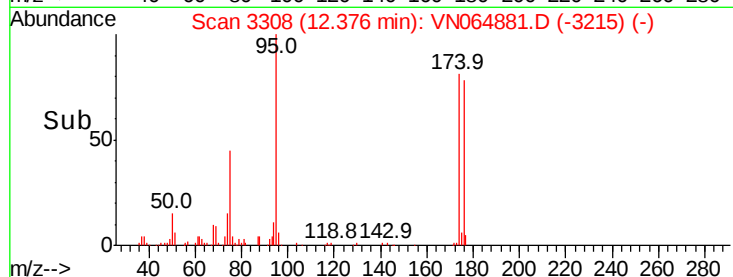
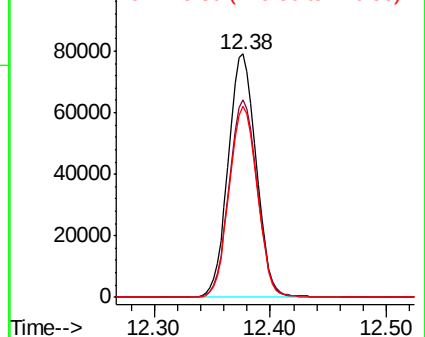
176 78.7 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064881.D

Acq: 1 Dec 2020 14:40

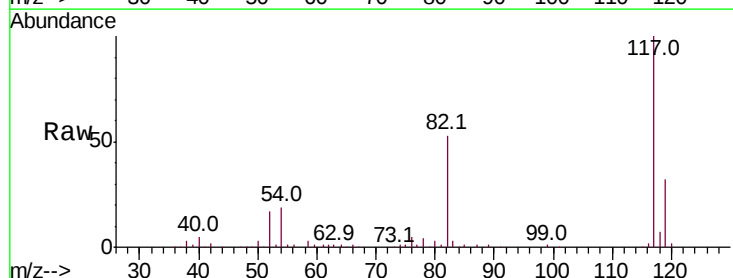
Tgt Ion: 117 Resp: 283238

Ion Ratio Lower Upper

117 100

82 52.9 44.2 66.2

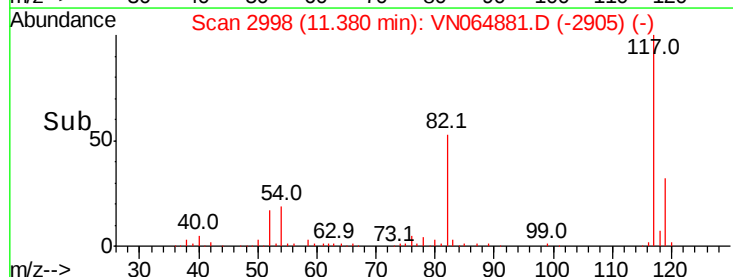
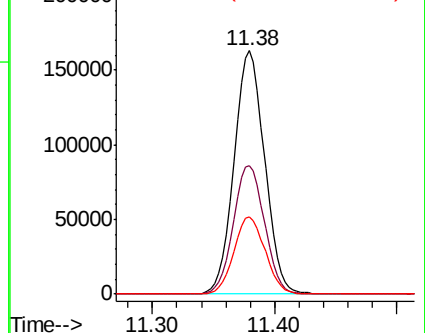
119 31.6 25.8 38.6

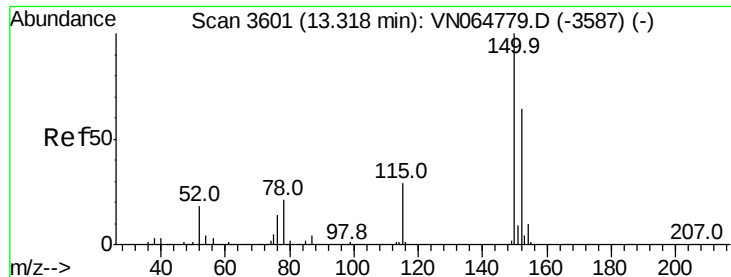


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064881.D

Acq: 1 Dec 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

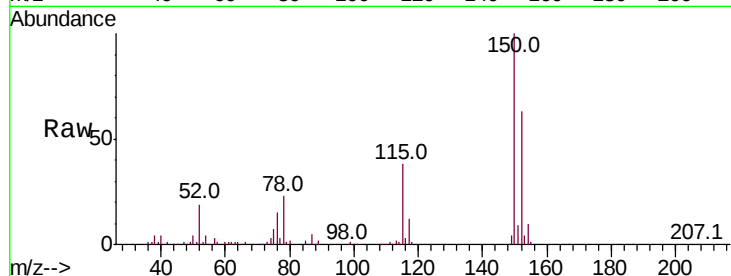
Tot Ion:152 Resp: 126218

Ion Ratio Lower Upper

152 100

115 58.9 29.7 89.1

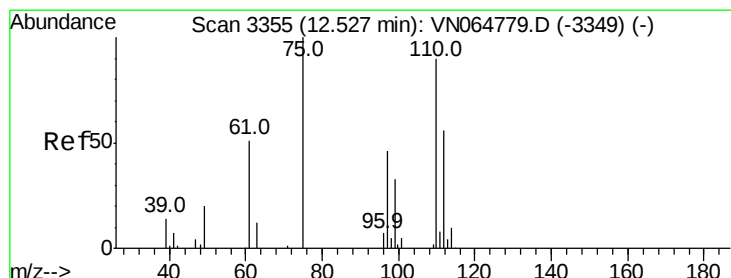
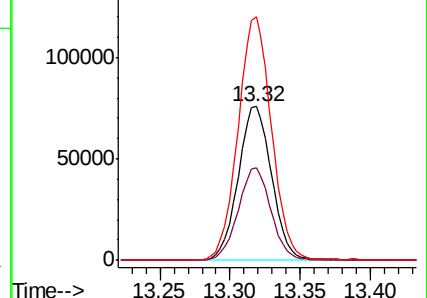
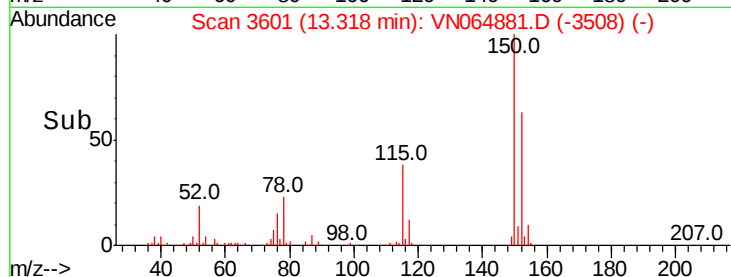
150 158.3 0.0 350.6



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: 22.838 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064881.D

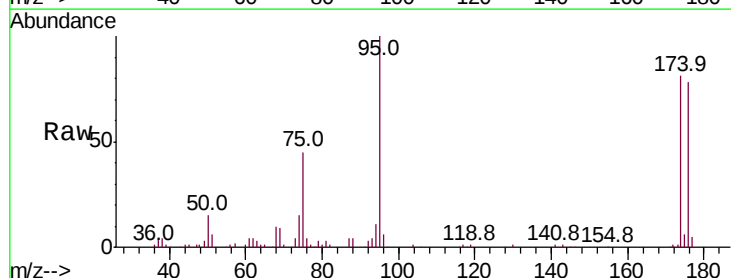
Acq: 1 Dec 2020 14:40

Tgt Ion: 75 Resp: 62079

Ion Ratio Lower Upper

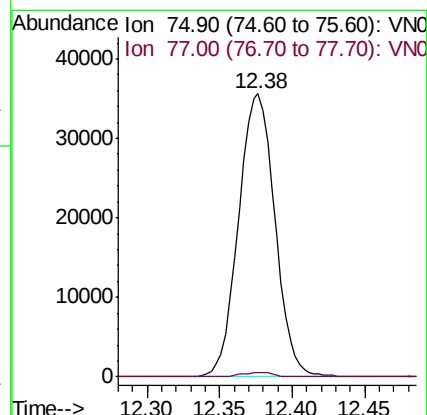
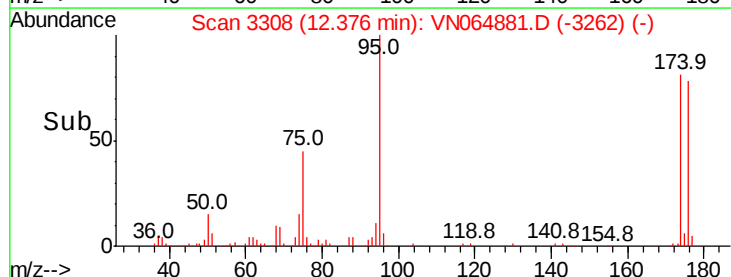
75 100

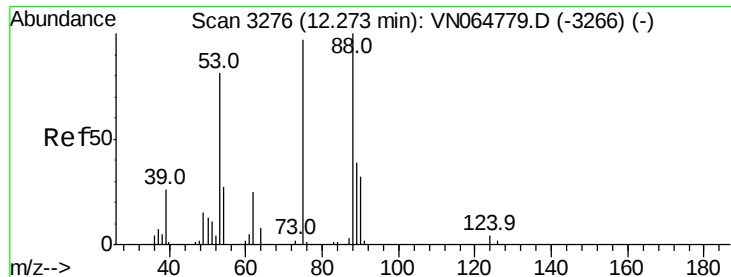
77 1.3 0.0 0.0#



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: 62.594 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064881.D

Acq: 1 Dec 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

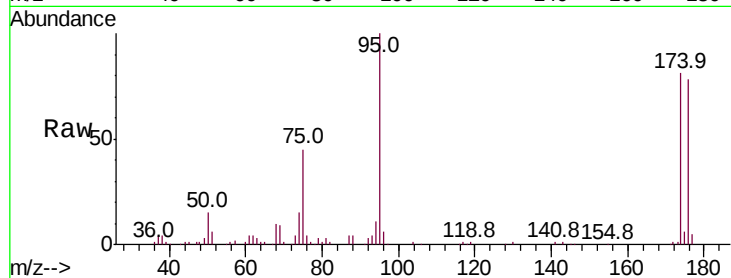
Tot Ion: 75 Resp: 62079

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

