

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112520\
 Data File : VN064851.D
 Acq On : 25 Nov 2020 12:41
 Operator : JC/MD
 Sample : L4798-13DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20201118DL

Quant Time: Nov 26 04:07:12 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	162008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	284046	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	290047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	128729	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	99750	52.96	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.92%	
35) Dibromofluoromethane		7.55	113	91199	53.66	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.32%	
50) Toluene-d8		10.06	98	349796	50.37	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.74%	
62) 4-Bromofluorobenzene		12.38	95	133588	53.75	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.50%	

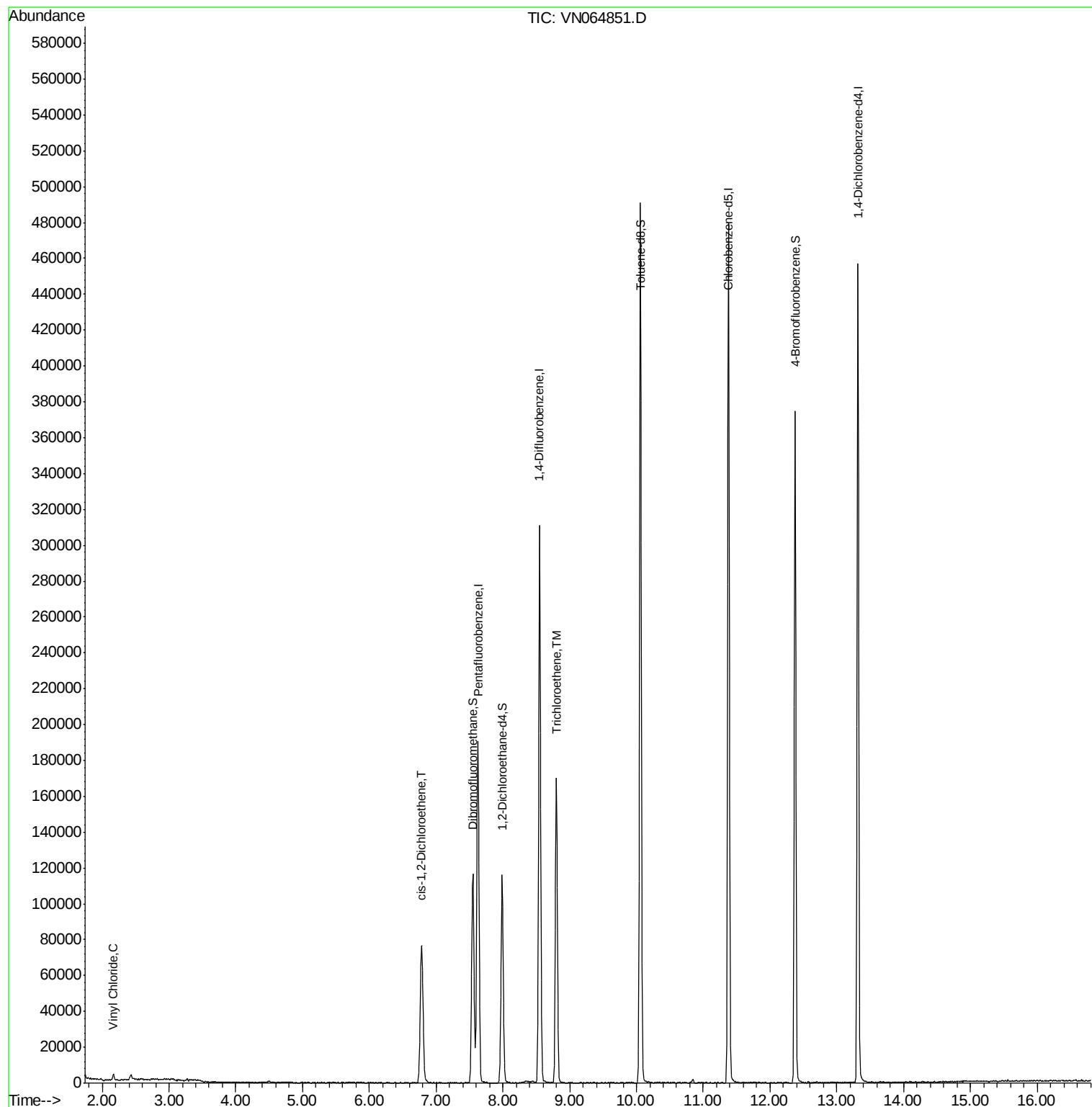
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.17	62	3272	1.720	ug/l	90
27) cis-1,2-Dichloroethene	6.78	96	52471	26.729	ug/l	87
44) Trichloroethene	8.80	130	67382	28.306	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

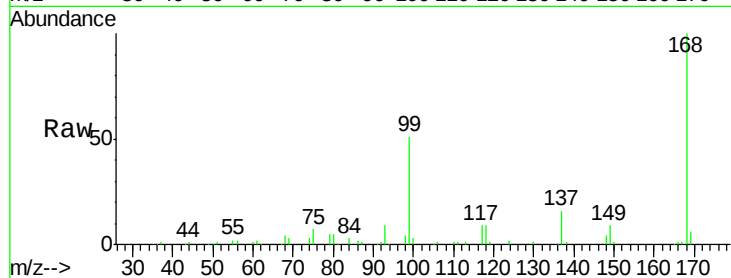
DUP01-20201118DL

Tot Ion:168 Resp: 162008

Ion Ratio Lower Upper

168 100

99 51.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

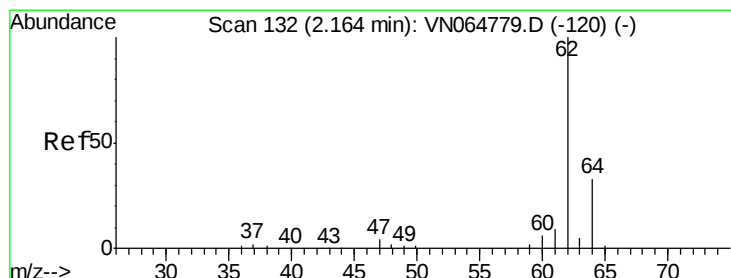
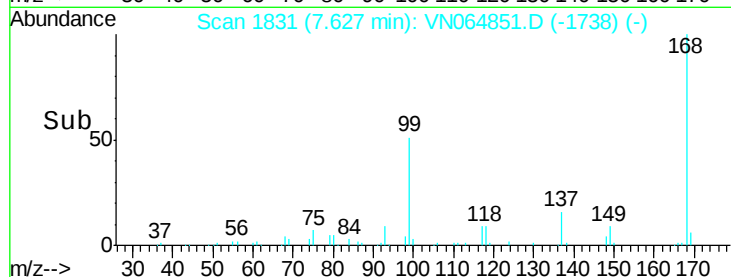
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 1.720 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064851.D

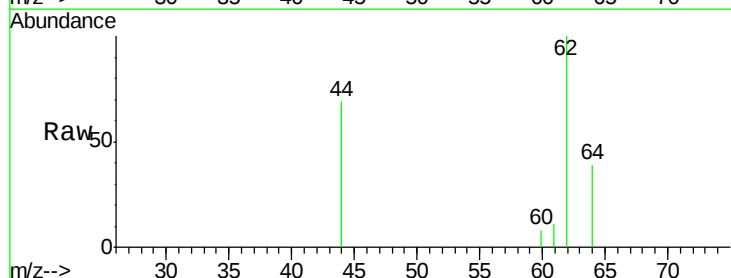
Acq: 25 Nov 2020 12:41

Tgt Ion: 62 Resp: 3272

Ion Ratio Lower Upper

62 100

64 38.7 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

2500

2000

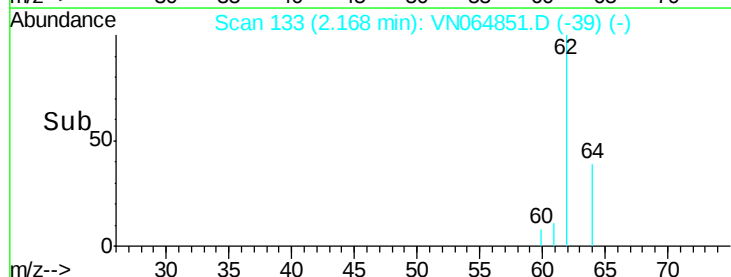
1500

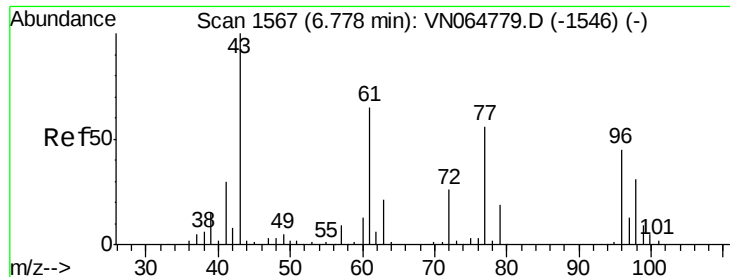
1000

500

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 26.729 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20201118DL

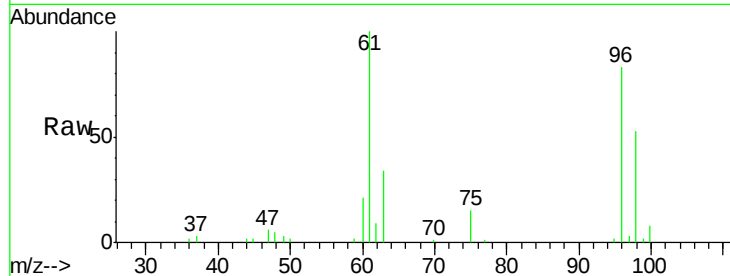
Tot Ion: 96 Resp: 52471

Ion Ratio Lower Upper

96 100

61 121.0 0.0 285.8

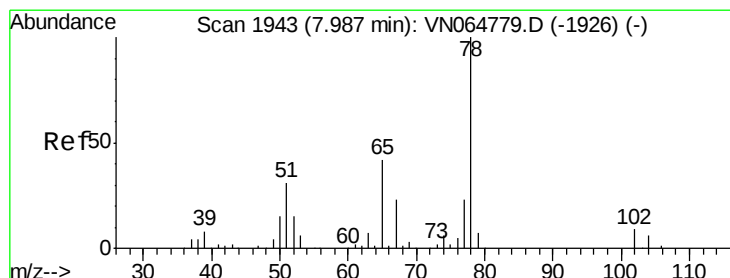
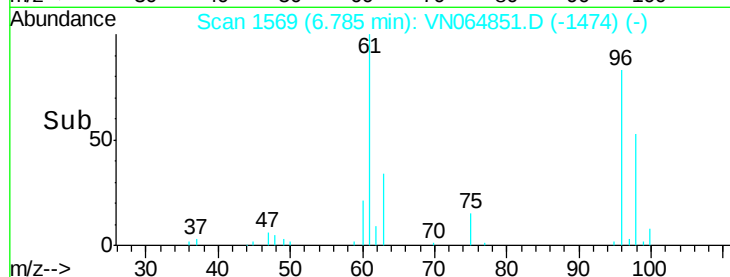
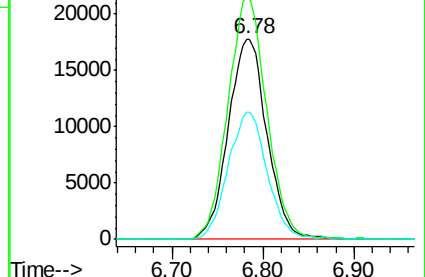
98 64.0 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN064779.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064779.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064779.D (-1546) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.961 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064851.D

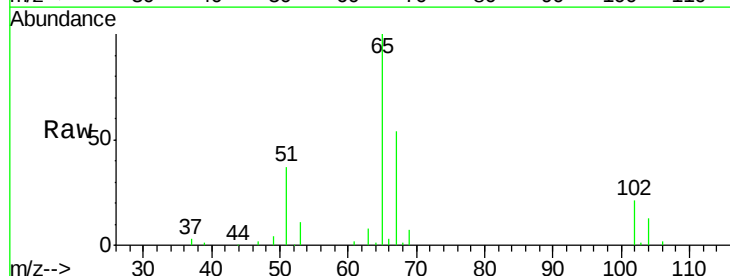
Acq: 25 Nov 2020 12:41

Tgt Ion: 65 Resp: 99750

Ion Ratio Lower Upper

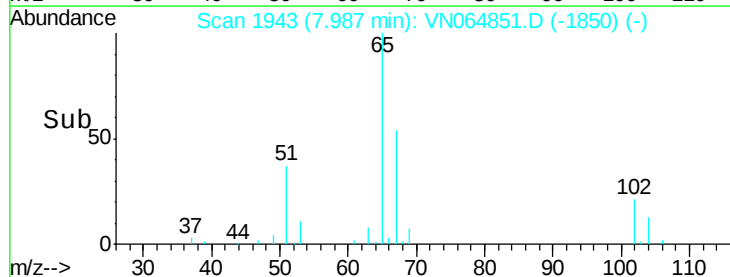
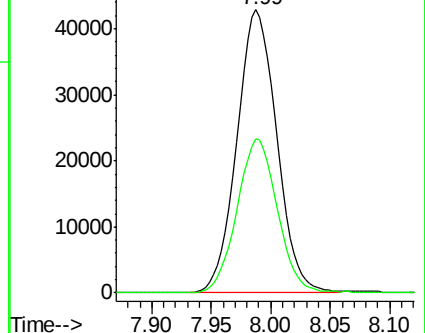
65 100

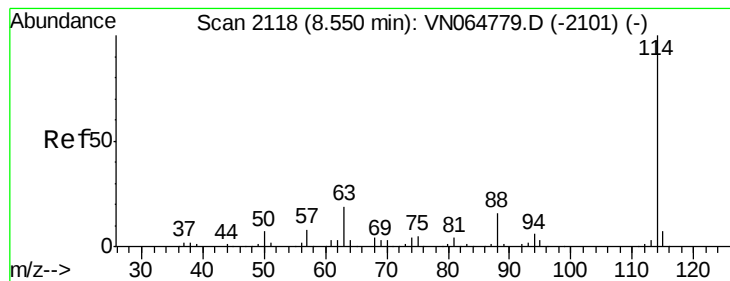
67 54.7 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064779.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN064779.D (-1926) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20201118DL

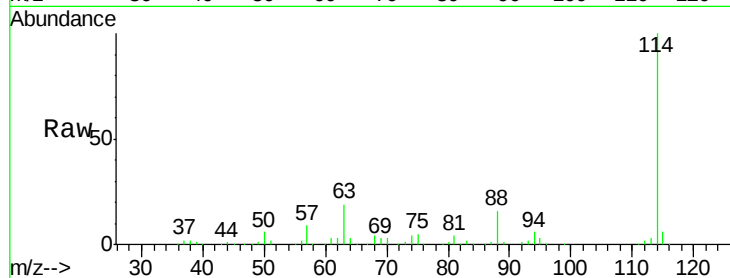
Tot Ion:114 Resp: 284046

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

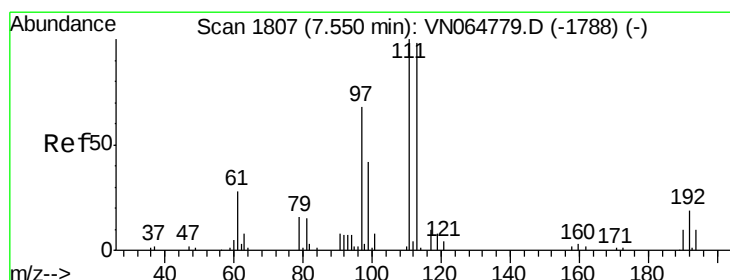
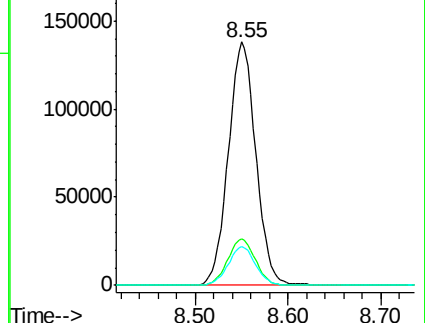
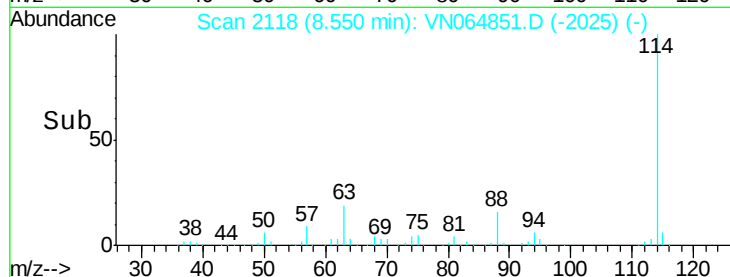
88 15.8 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 53.658 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

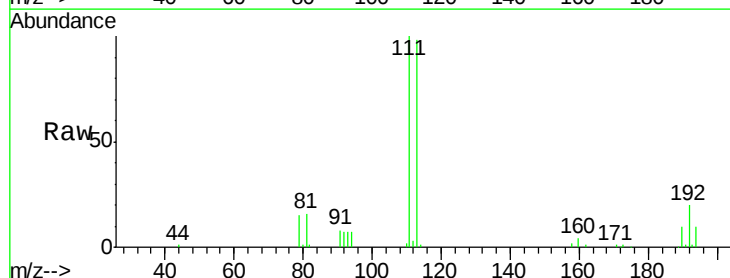
Tgt Ion:113 Resp: 91199

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

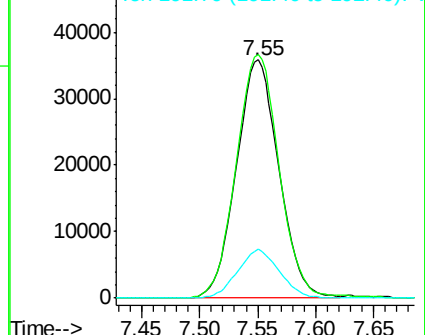
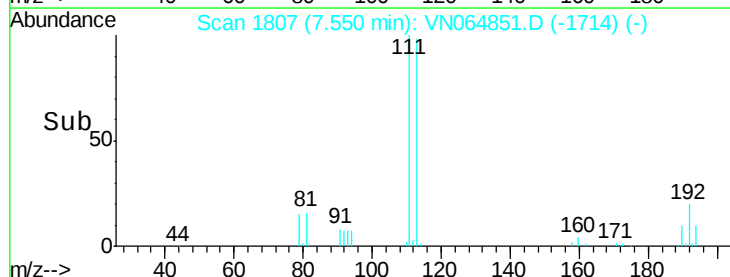
192 20.0 16.2 24.2

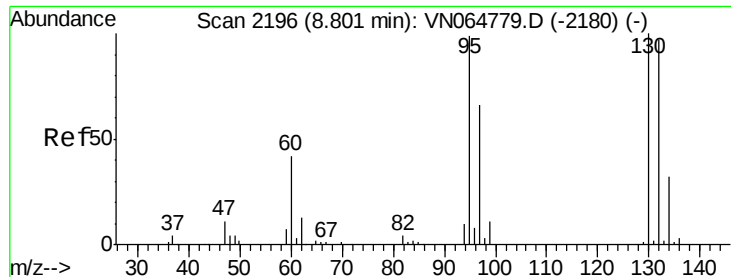


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 28.306 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

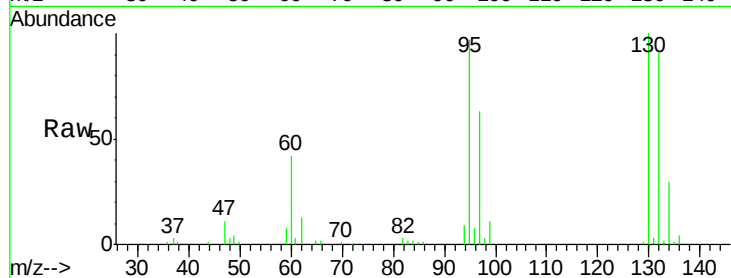
DUP01-20201118DL

Tot Ion:130 Resp: 67382

Ion Ratio Lower Upper

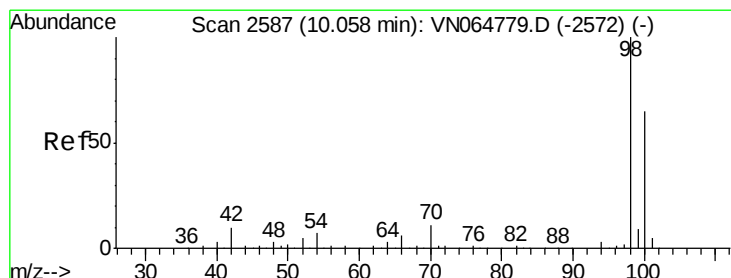
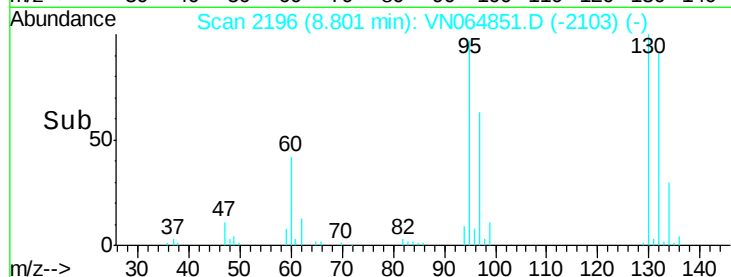
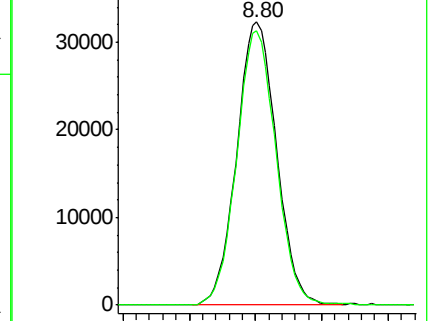
130 100

95 96.8 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 50.370 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064851.D

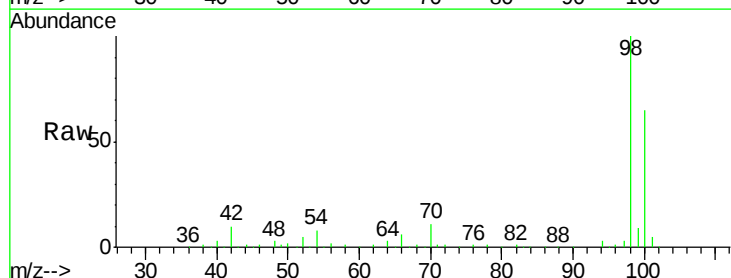
Acq: 25 Nov 2020 12:41

Tgt Ion: 98 Resp: 349796

Ion Ratio Lower Upper

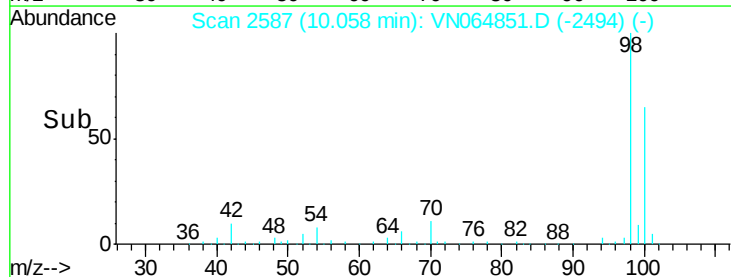
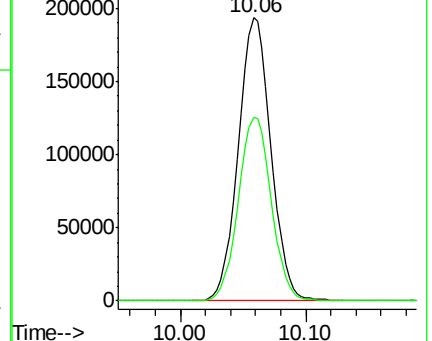
98 100

100 65.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

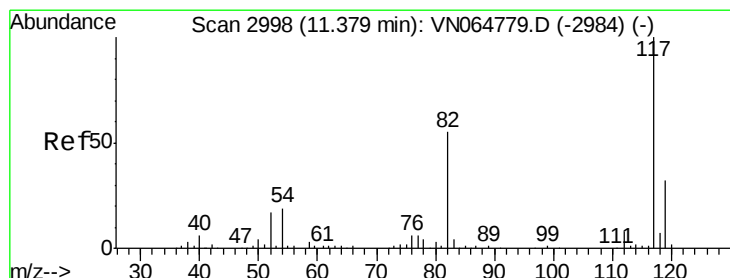
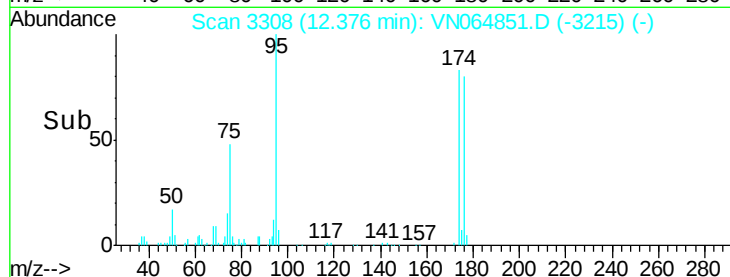
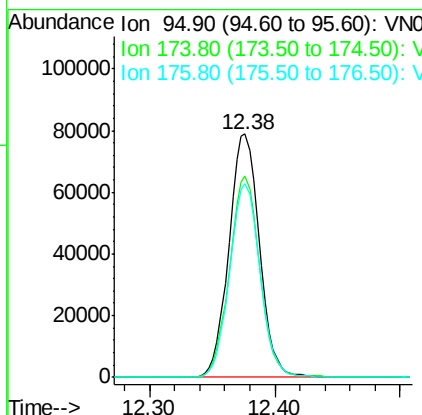
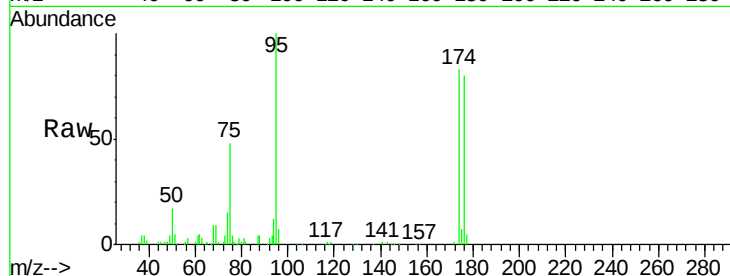




#62
4-Bromofluorobenzene
Concen: 53.750 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064851.D
Acq: 25 Nov 2020 12:41

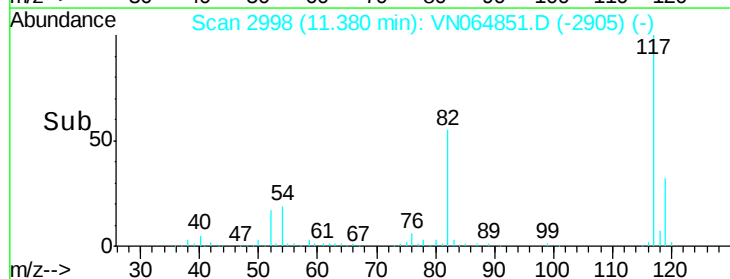
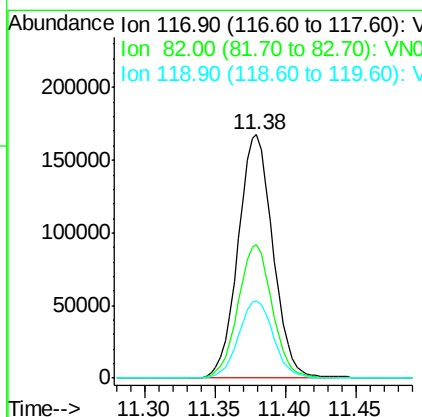
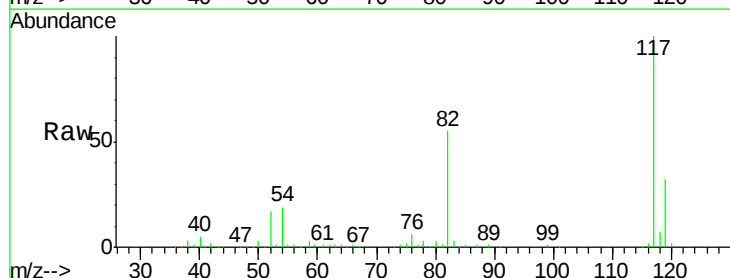
Instrument :
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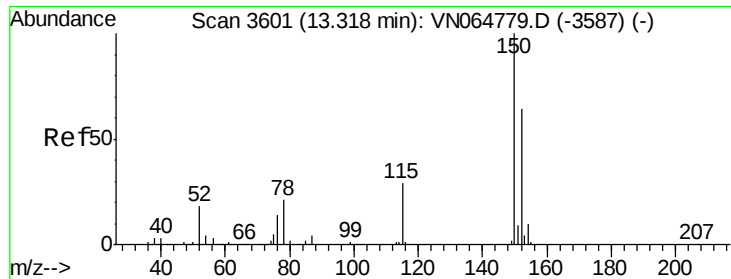
Tot Ion: 95 Resp: 133588
Ion Ratio Lower Upper
95 100
174 81.9 0.0 160.4
176 79.4 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064851.D
Acq: 25 Nov 2020 12:41

Tgt Ion: 117 Resp: 290047
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 31.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064851.D

Acq: 25 Nov 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20201118DL

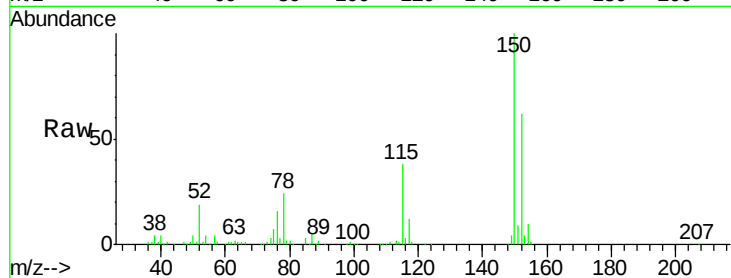
Tot Ion:152 Resp: 128729

Ion Ratio Lower Upper

152 100

115 59.7 29.7 89.1

150 158.2 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

