

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064838.D
 Acq On : 25 Nov 2020 3:06
 Operator : JC/MD
 Sample : L4798-12DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BRP2-20201118

Quant Time: Nov 25 06:00:15 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	165644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	287332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	299234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132477	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	101737	52.83	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.66%
35) Dibromofluoromethane	7.55	113	91830	53.41	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.82%
50) Toluene-d8	10.06	98	360322	51.29	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.58%
62) 4-Bromofluorobenzene	12.38	95	136802	54.41	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.82%

Target Compounds

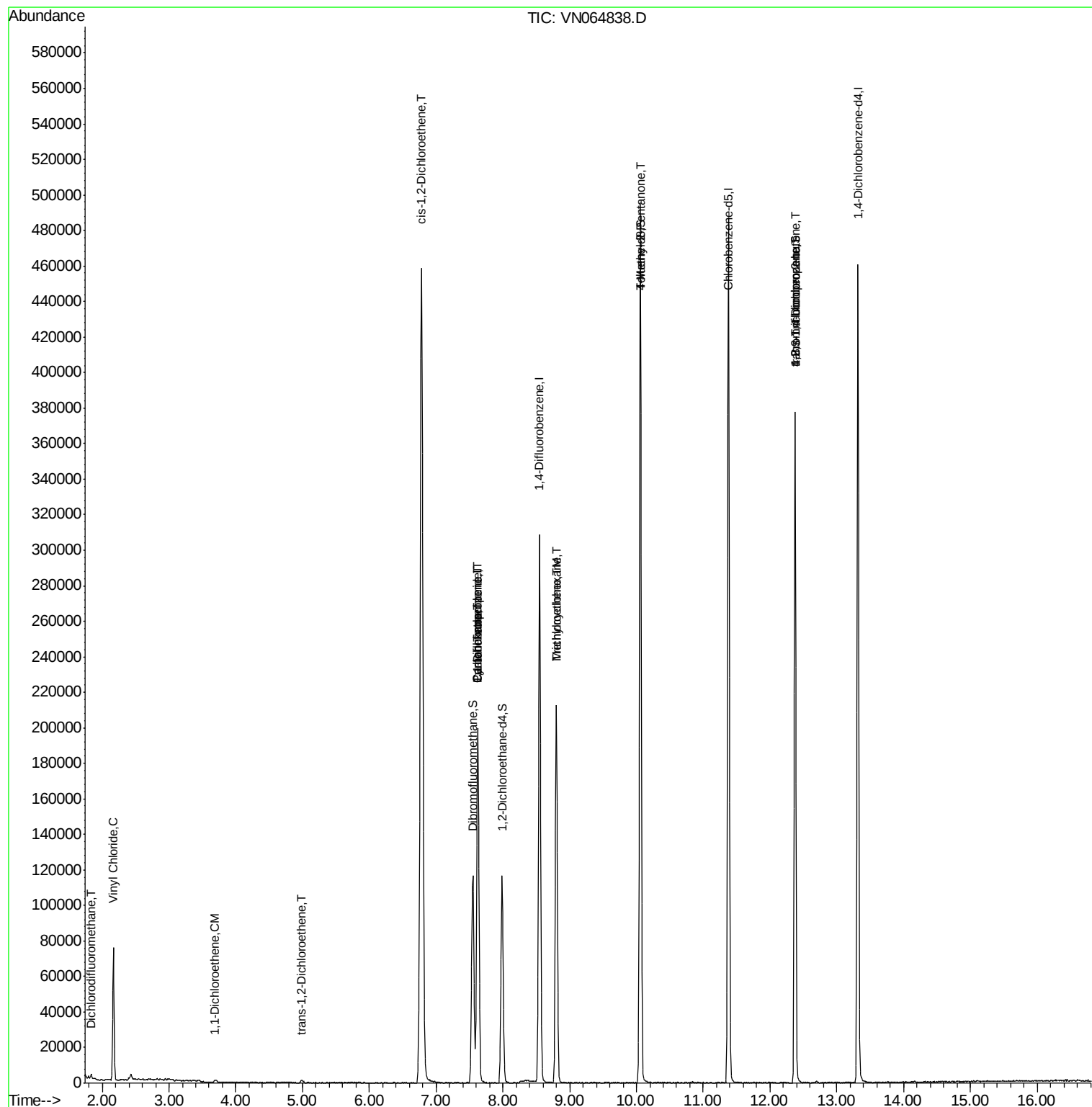
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1841	1.282	ug/l	80
4) Vinyl Chloride	2.17	62	66792	34.341	ug/l	97
12) 1,1-Dichloroethene	3.70	96	790	0.492	ug/l	80
21) trans-1,2-Dichloroethene	4.98	96	858	0.481	ug/l #	63
27) cis-1,2-Dichloroethene	6.78	96	317992	158.428	ug/l	89
31) Cyclohexane	7.62	56	2628	0.979	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11813	4.436	ug/l #	48
38) Carbon Tetrachloride	7.62	117	15920	5.745	ug/l #	16
39) Methylcyclohexane	8.80	83	902	0.315	ug/l #	1
44) Trichloroethene	8.80	130	82664	34.329	ug/l	98
51) 4-Methyl-2-Pentanone	10.05	43	1529	0.617	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	64099	22.467	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	64099	61.577	ug/l #	15

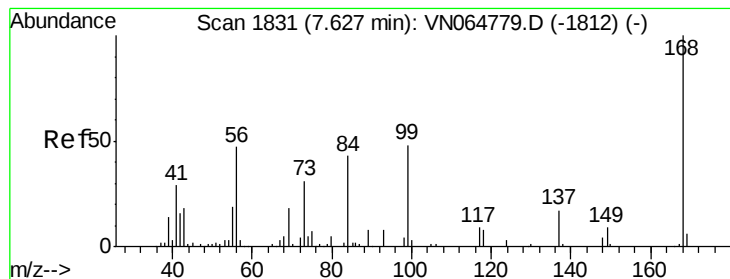
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064838.D

Acq: 25 Nov 2020 3:06

Instrument :

MSVOA_N

ClientSampleId :

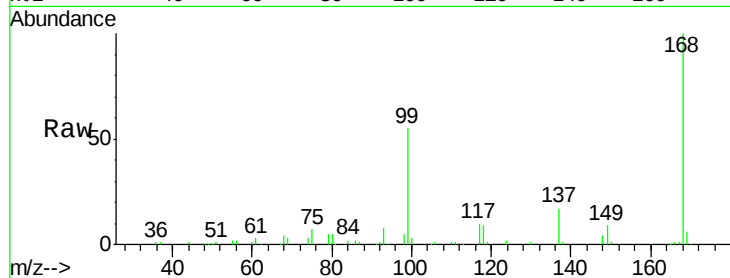
BRP2-20201118

Tot Ion:168 Resp: 165644

Ion Ratio Lower Upper

168 100

99 55.1 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

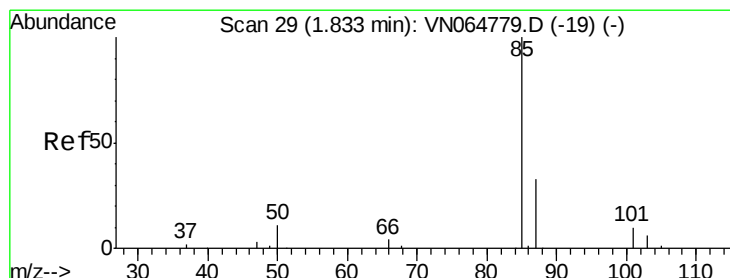
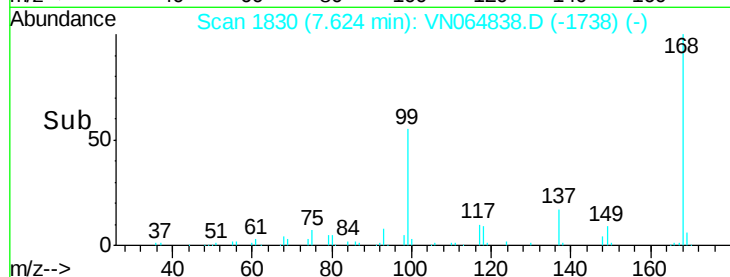
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 1.282 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064838.D

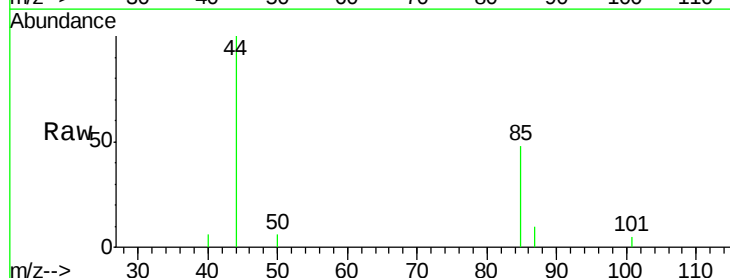
Acq: 25 Nov 2020 3:06

Tgt Ion: 85 Resp: 1841

Ion Ratio Lower Upper

85 100

87 21.6 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

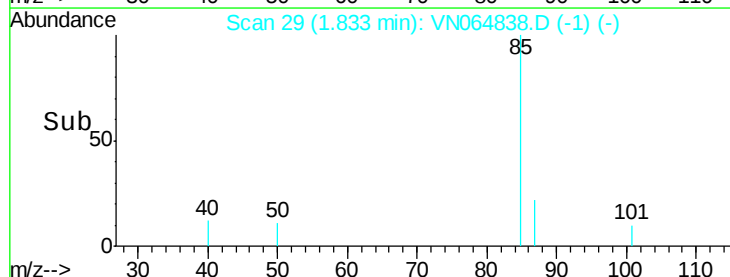
1500

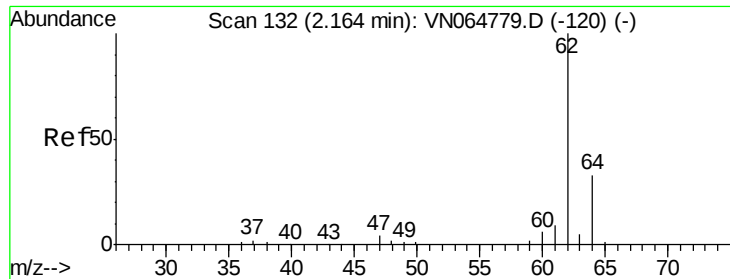
1000

500

0

Time--> 1.80 1.82 1.84 1.86





#4

Vinyl Chloride

Concen: 34.341 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064838.D

Acq: 25 Nov 2020 3:06

Instrument :

MSVOA_N

ClientSampleId :

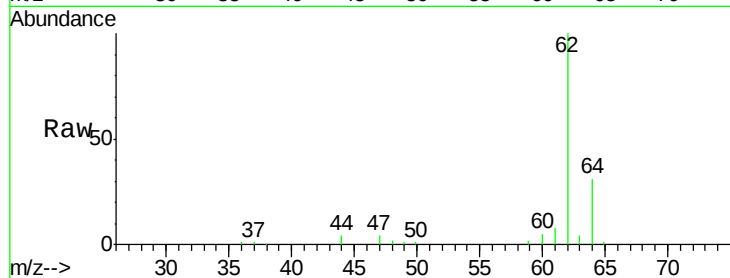
BRP2-20201118

Tot Ion: 62 Resp: 66792

Ion Ratio Lower Upper

62 100

64 31.3 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

50000

40000

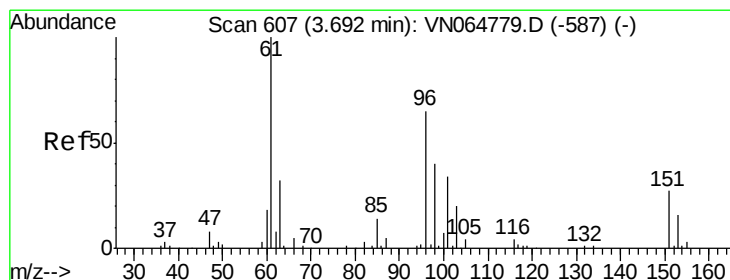
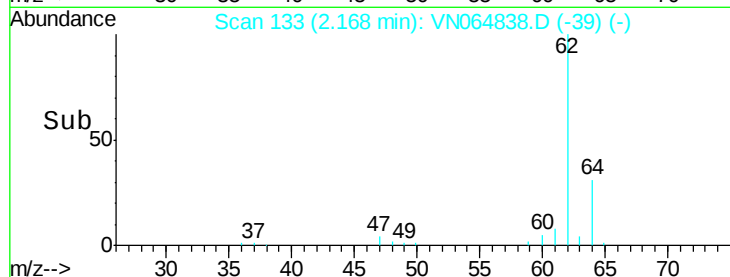
30000

20000

10000

0

Time--> 2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 0.492 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.01 min

Lab File: VN064838.D

Acq: 25 Nov 2020 3:06

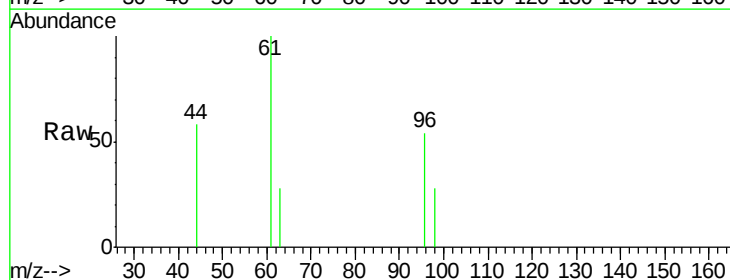
Tgt Ion: 96 Resp: 790

Ion Ratio Lower Upper

96 100

61 184.7 123.4 185.2

98 52.6 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

800

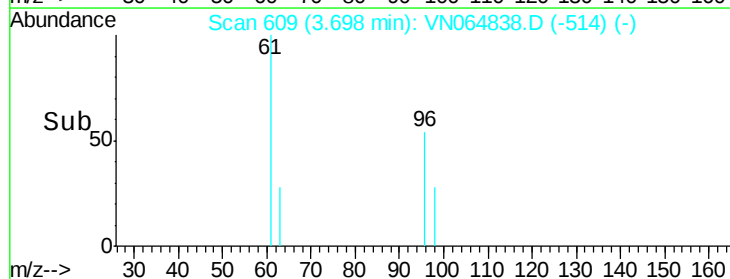
600

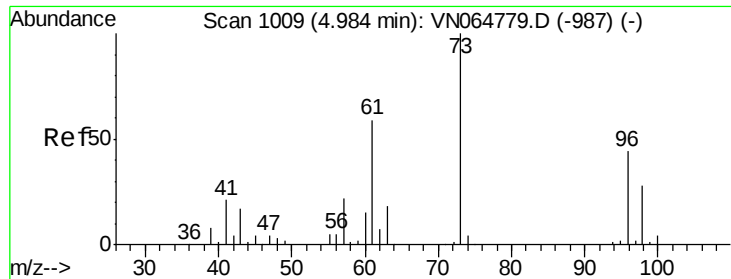
400

200

0

Time--> 3.65 3.70

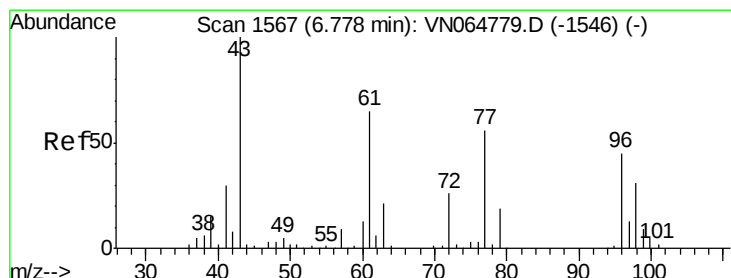
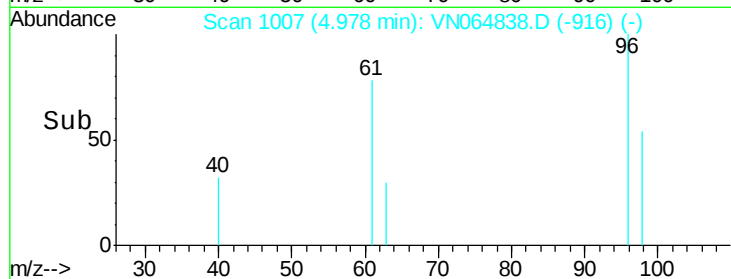
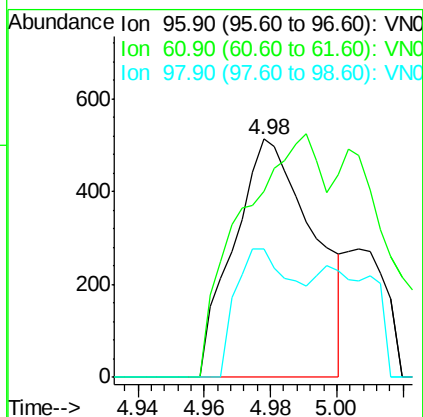
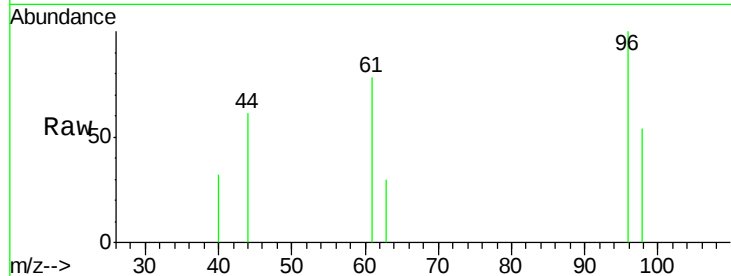




#21
trans-1,2-Dichloroethene
Concen: 0.481 ug/l
RT: 4.98 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN064838.D
Acq: 25 Nov 2020 3:06

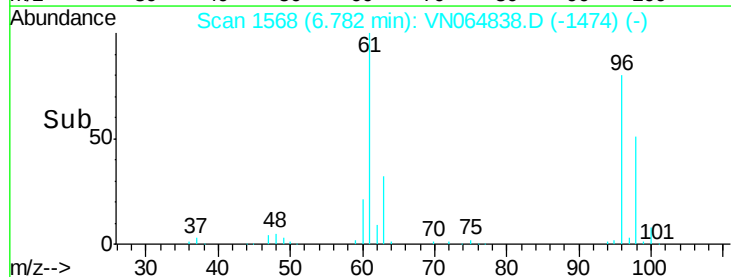
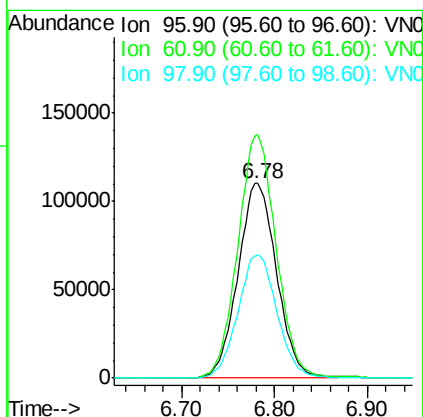
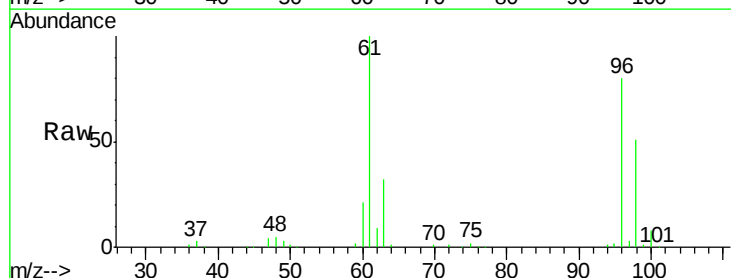
Instrument :
MSVOA_N
ClientSampleId :
BRP2-20201118

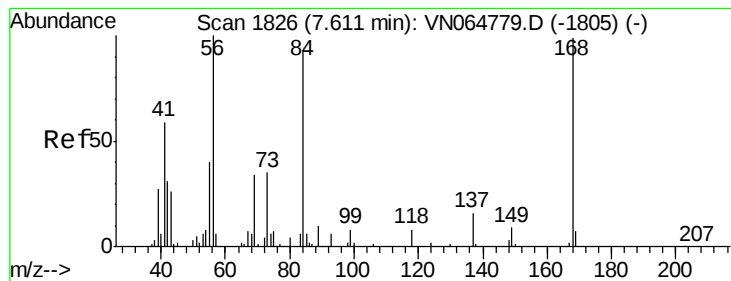
Tot Ion: 96 Resp: 858
Ion Ratio Lower Upper
96 100
61 77.8 108.4 162.6#
98 53.7 51.3 76.9



#27
cis-1,2-Dichloroethene
Concen: 158.428 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN064838.D
Acq: 25 Nov 2020 3:06

Tgt Ion: 96 Resp: 317992
Ion Ratio Lower Upper
96 100
61 124.4 0.0 285.8
98 64.2 0.0 130.6





#31

Cyclohexane

Concen: 0.979 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN064838.D

Acq: 25 Nov 2020 3:06

Instrument :

MSVOA_N

ClientSampleId :

BRP2-20201118

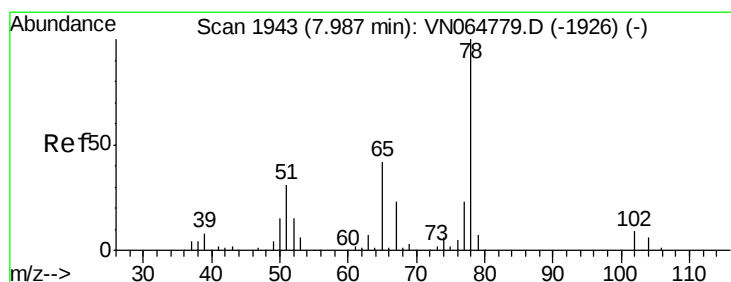
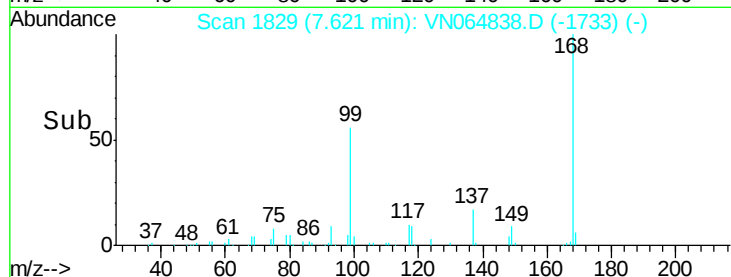
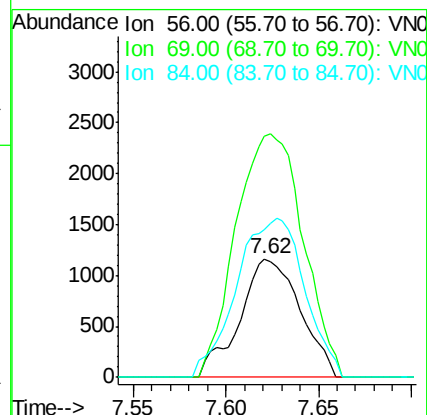
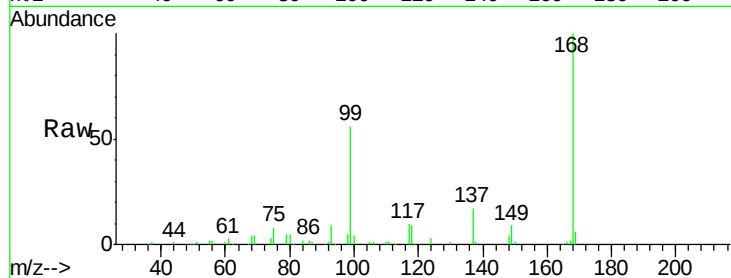
Tot Ion: 56 Resp: 2628

Ion Ratio Lower Upper

56 100

69 204.1 27.5 41.3#

84 124.8 73.9 110.9#



#33

1,2-Dichloroethane-d4

Concen: 52.831 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064838.D

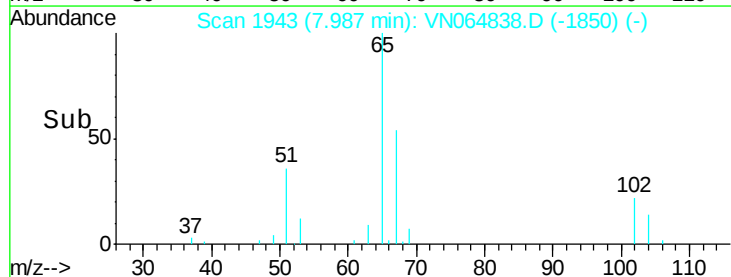
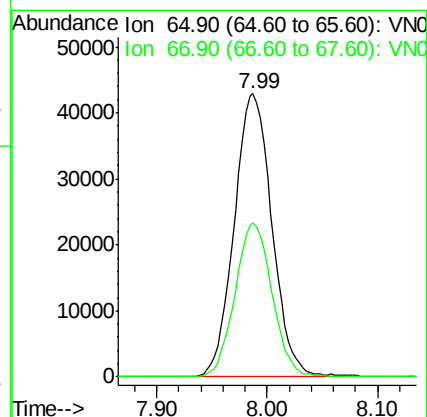
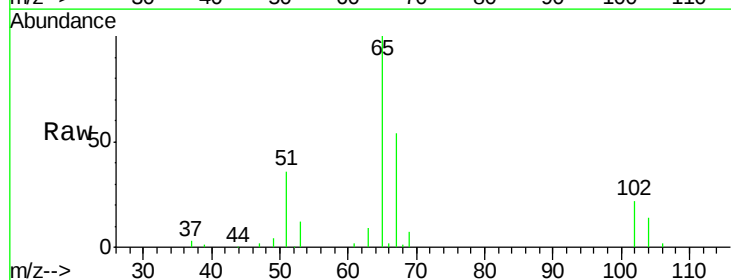
Acq: 25 Nov 2020 3:06

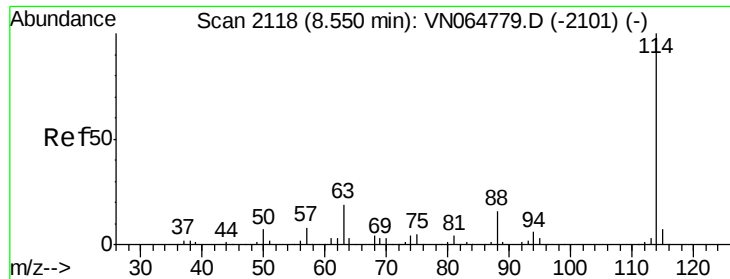
Tgt Ion: 65 Resp: 101737

Ion Ratio Lower Upper

65 100

67 53.2 0.0 108.2

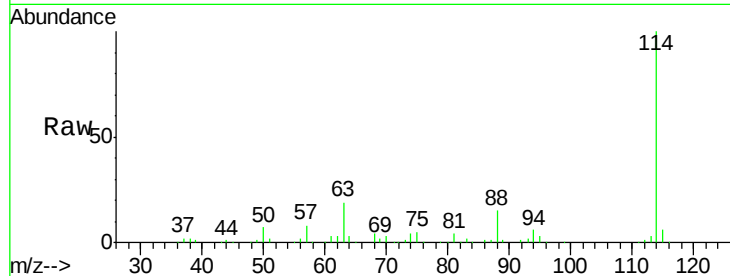




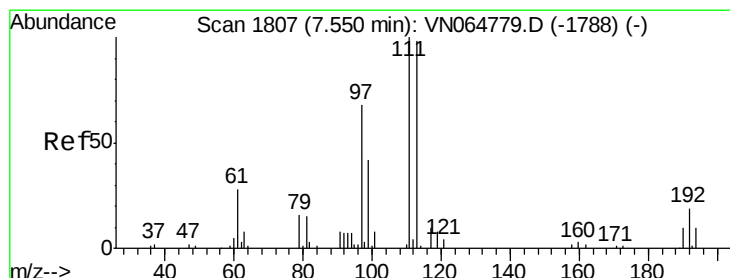
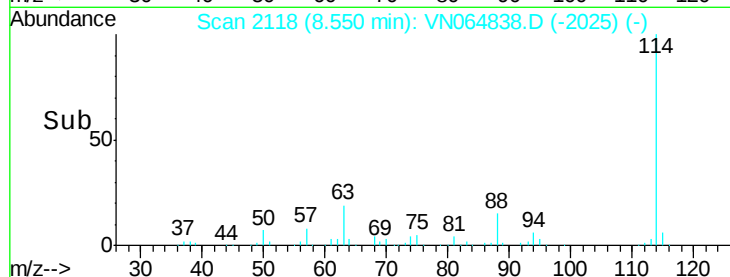
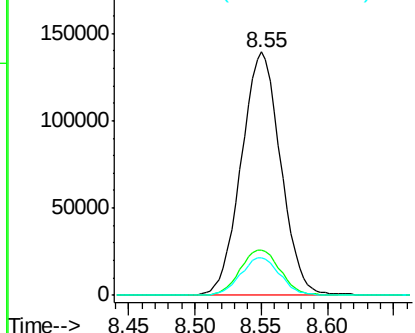
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064838.D
Acq: 25 Nov 2020 3:06

Instrument :
MSVOA_N
ClientSampleId :
BRP2-20201118

Tot Ion:114 Resp: 287332
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.6
88 15.4 0.0 32.6

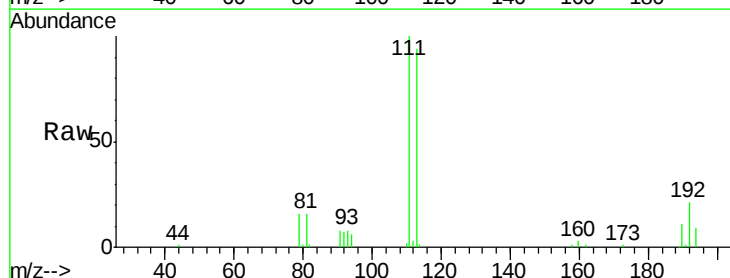


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

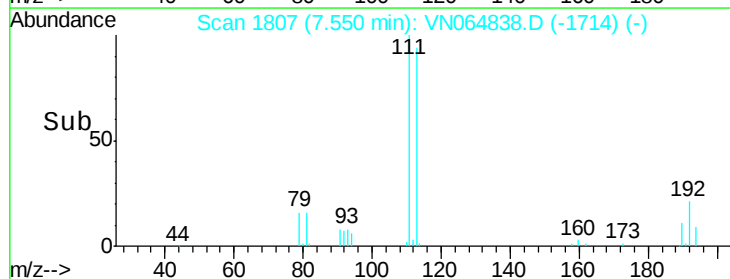
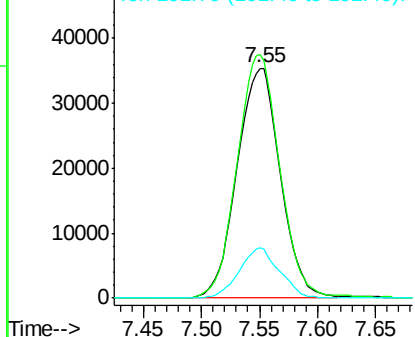


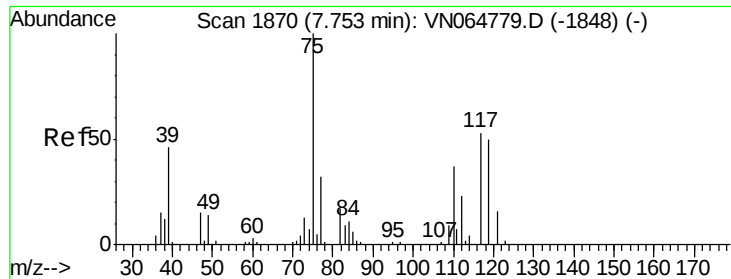
#35
Dibromofluoromethane
Concen: 53.411 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064838.D
Acq: 25 Nov 2020 3:06

Tgt Ion:113 Resp: 91830
Ion Ratio Lower Upper
113 100
111 104.0 81.6 122.4
192 20.1 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

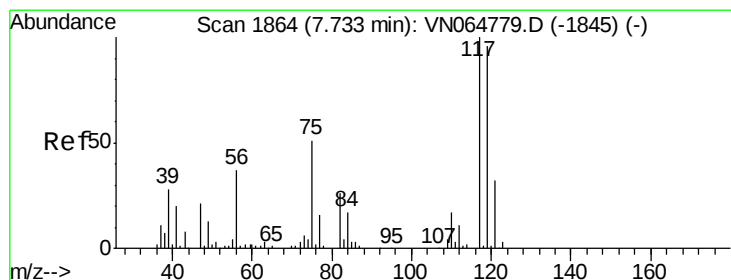
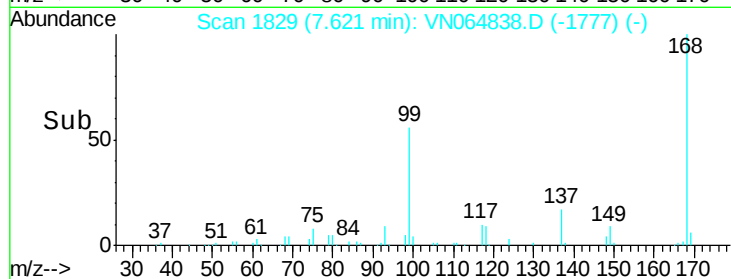
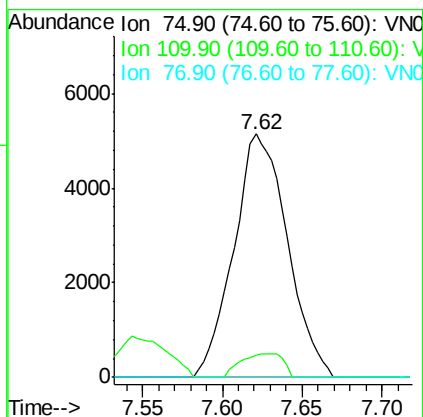
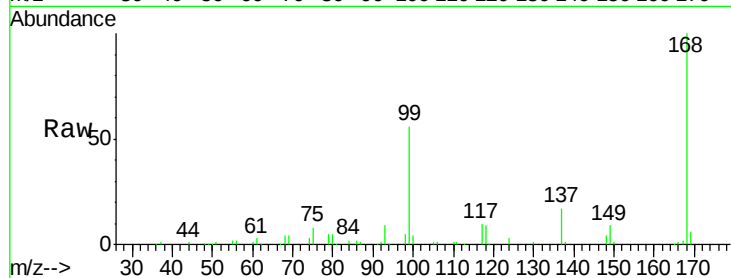




#36
 1,1-Dichloropropene
 Concen: 4.436 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064838.D
 Acq: 25 Nov 2020 3:06

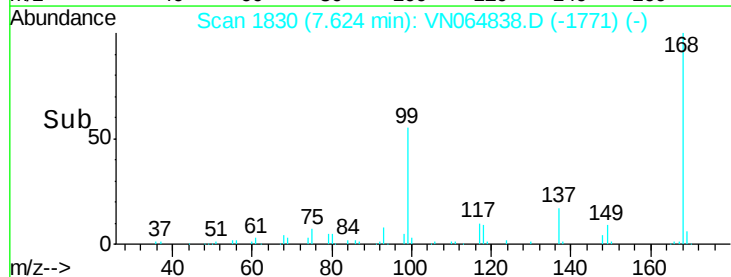
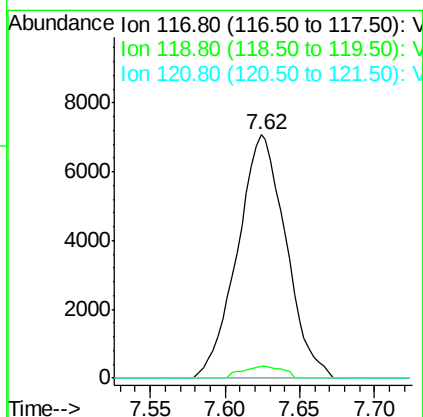
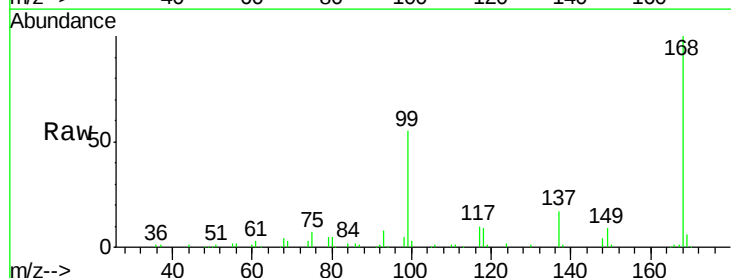
Instrument :
 MSVOA_N
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 BRP2-20201118

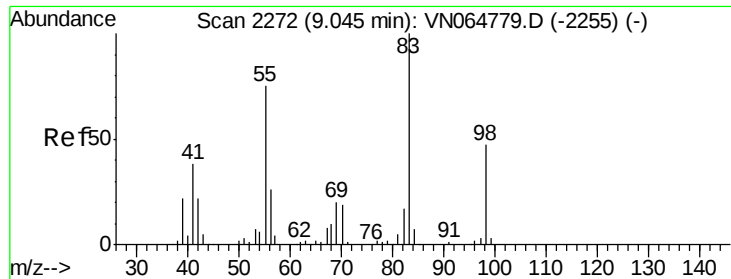
Tot Ion: 75 Resp: 11813
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.8 53.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.745 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN064838.D
 Acq: 25 Nov 2020 3:06

Tgt Ion: 117 Resp: 15920
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.7 115.1#
 121 0.0 25.4 38.2#

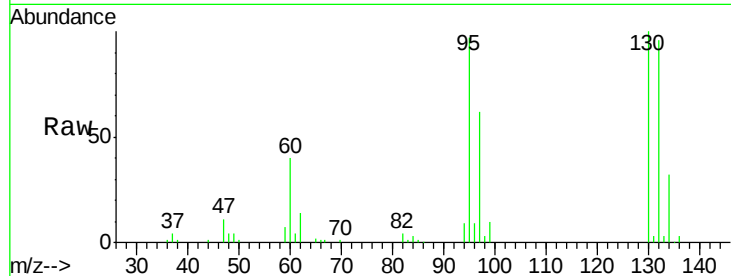




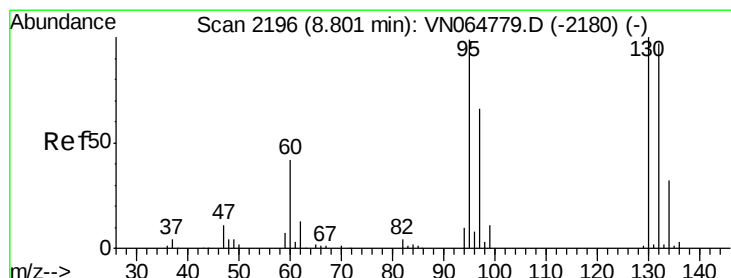
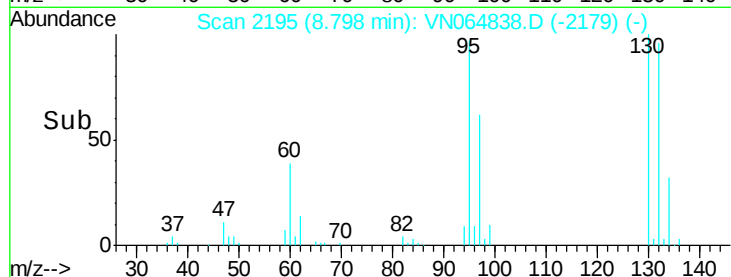
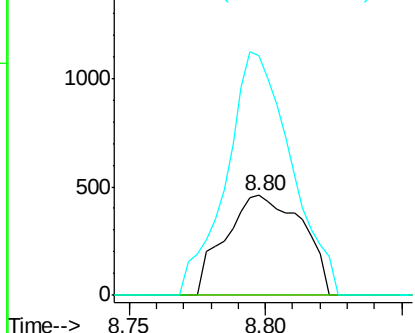
#39
Methvlcvclohexane
Concen: 0.315 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.25 min
Lab File: VN064838.D
Acq: 25 Nov 2020 3:06

Instrument :
MSVOA_N
ClientSampleId :
BRP2-20201118

Tot Ion: 83 Resp: 902
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.2#
98 240.0 37.4 56.2#

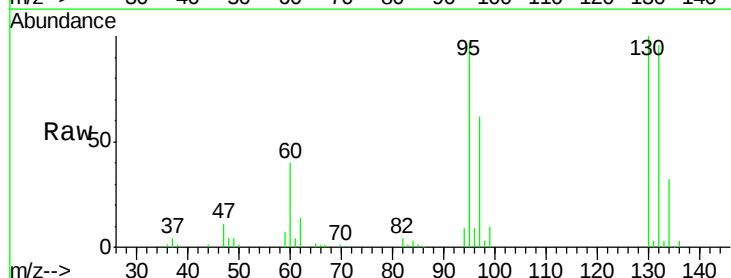


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

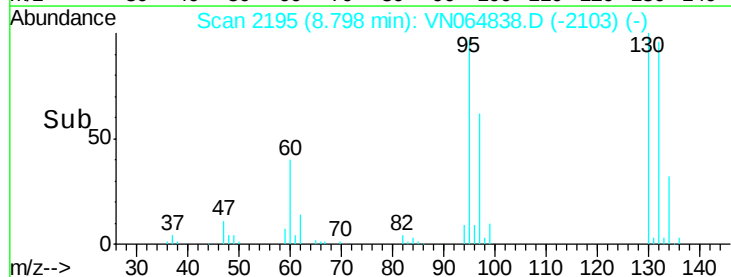
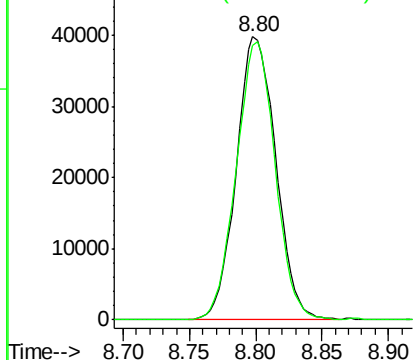


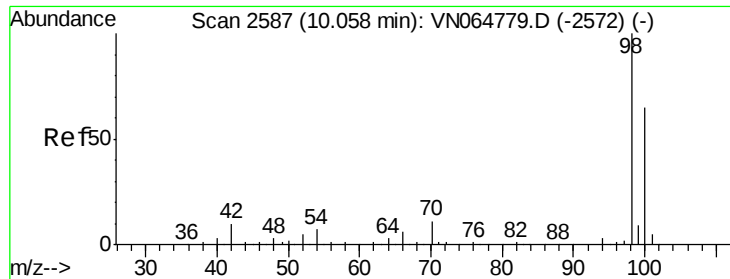
#44
Trichloroethene
Concen: 34.329 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN064838.D
Acq: 25 Nov 2020 3:06

Tgt Ion:130 Resp: 82664
Ion Ratio Lower Upper
130 100
95 97.0 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 51.292 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064838.D

Acq: 25 Nov 2020 3:06

Instrument :

MSVOA_N

ClientSampleId :

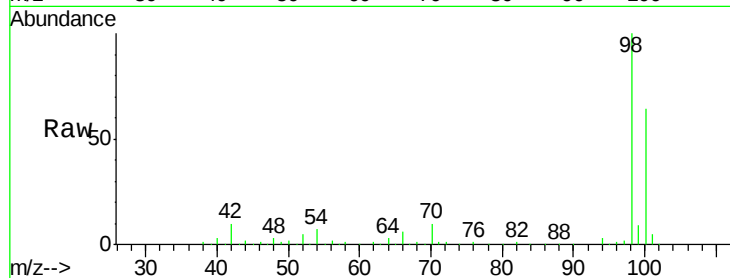
BRP2-20201118

Tot Ion: 98 Resp: 360322

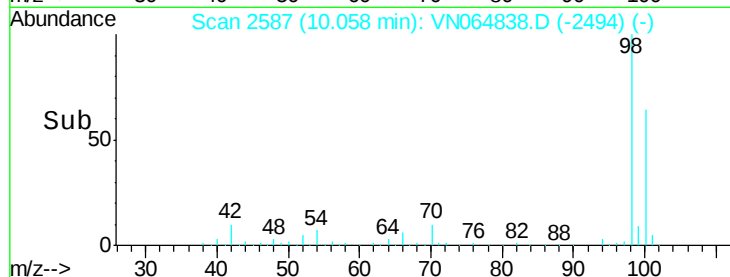
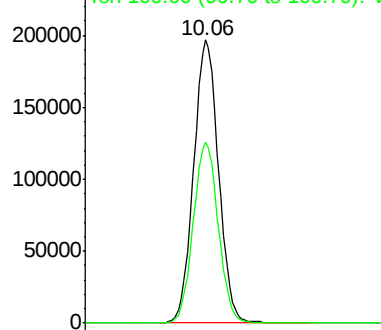
Ion Ratio Lower Upper

98 100

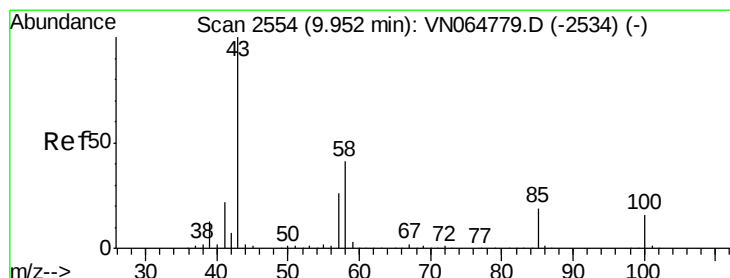
100 64.0 51.7 77.5



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



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.617 ug/l

RT: 10.05 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN064838.D

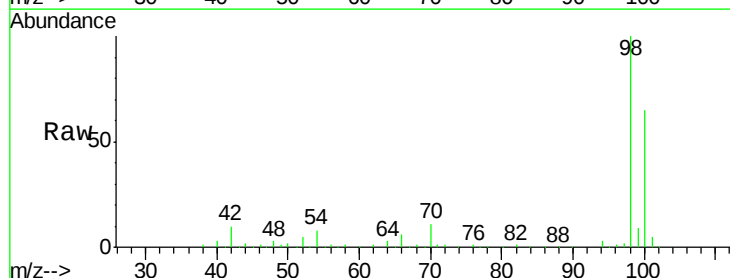
Acq: 25 Nov 2020 3:06

Tgt Ion: 43 Resp: 1529

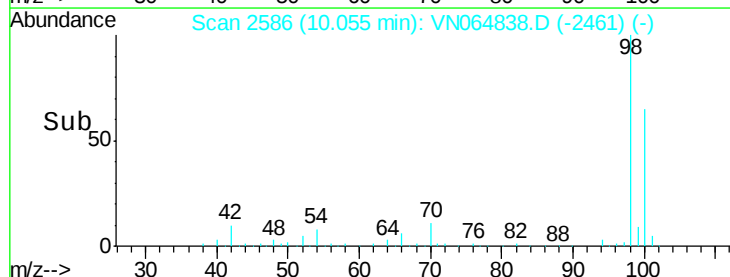
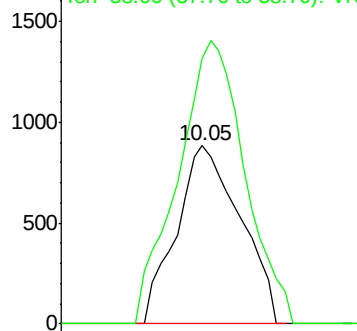
Ion Ratio Lower Upper

43 100

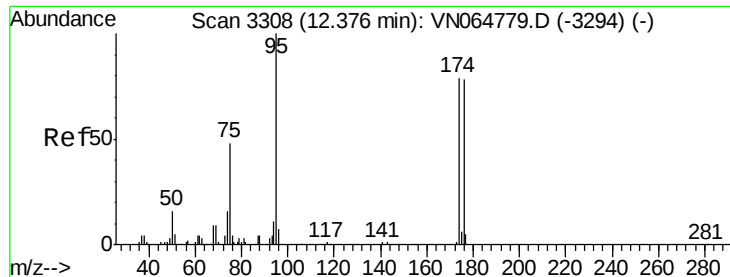
58 166.5 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)



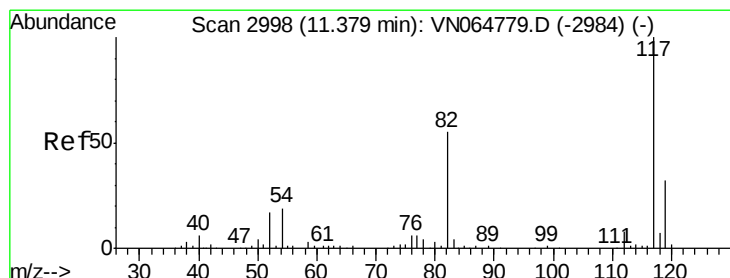
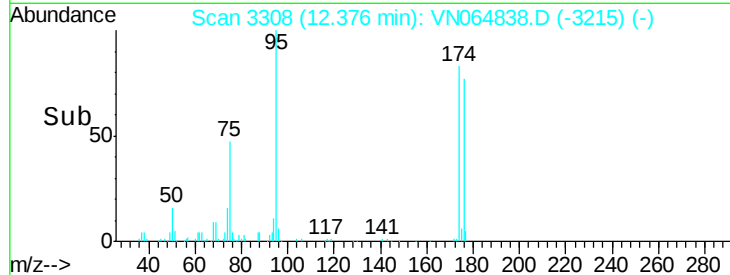
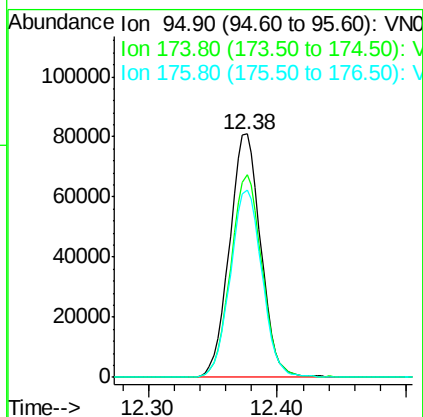
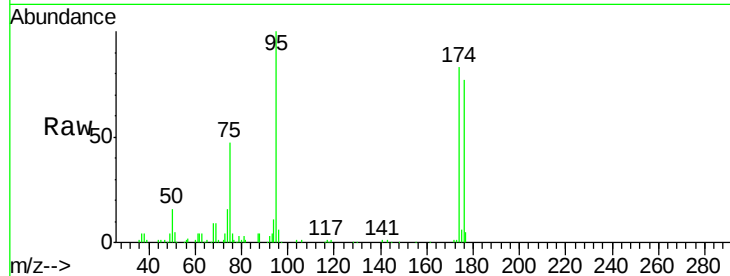
Time-->



#62
4-Bromofluorobenzene
Concen: 54.414 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064838.D
Acq: 25 Nov 2020 3:06

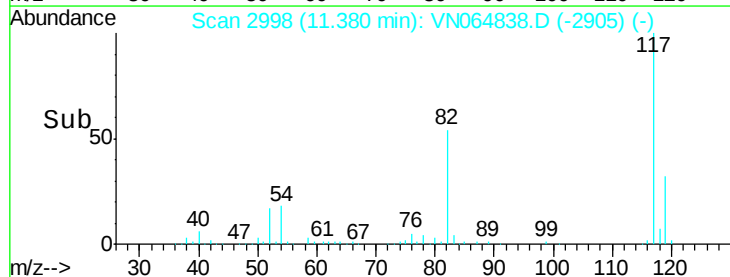
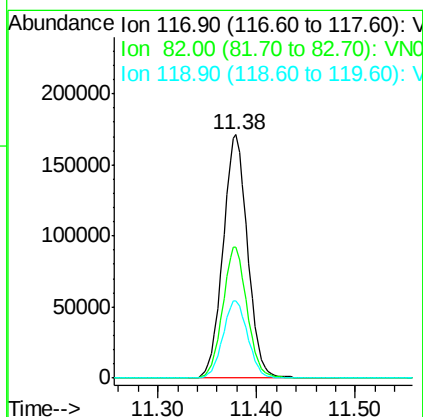
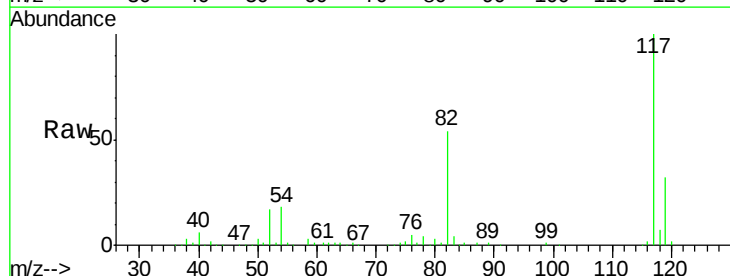
Instrument :
MSVOA_N
ClientSampleId :
BRP2-20201118

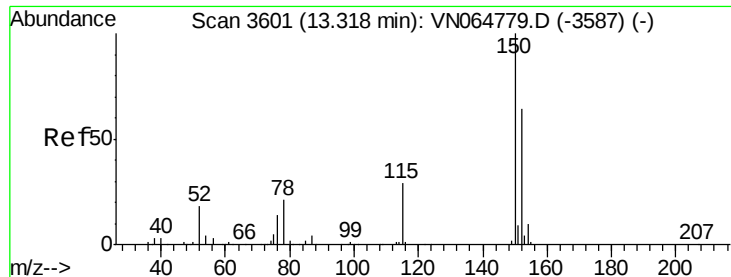
Tot Ion: 95 Resp: 136802
Ion Ratio Lower Upper
95 100
174 82.8 0.0 160.4
176 77.9 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064838.D
Acq: 25 Nov 2020 3:06

Tgt Ion: 117 Resp: 299234
Ion Ratio Lower Upper
117 100
82 53.6 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# 3601

Delta R.T. 0.00 min

Lab File: VN064838.D

Acq: 25 Nov 2020 3:06

Instrument :

MSVOA_N

ClientSampleId :

BRP2-20201118

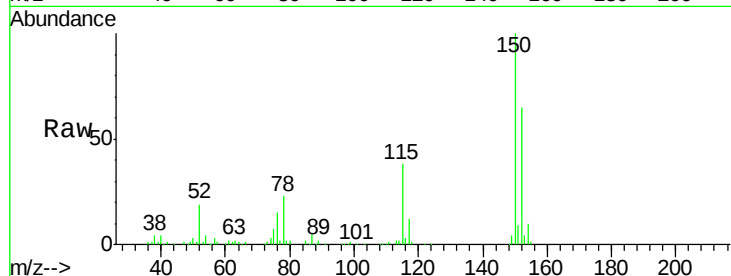
Tot Ion:152 Resp: 132477

Ion Ratio Lower Upper

152 100

115 58.5 29.7 89.1

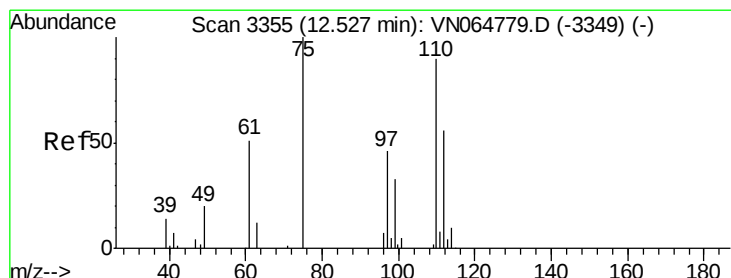
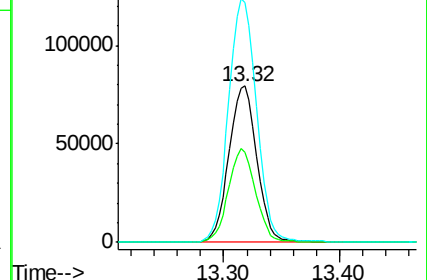
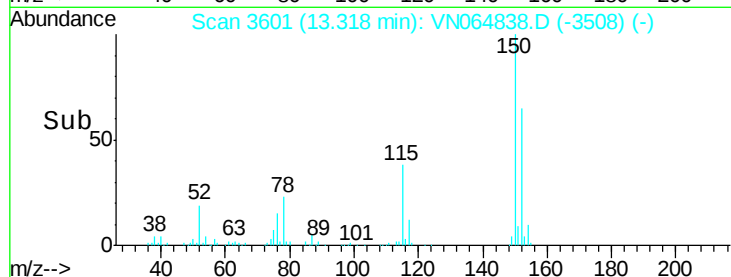
150 156.2 0.0 350.6



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



#76

1,2,3-Trichloropropane

Concen: 22.467 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064838.D

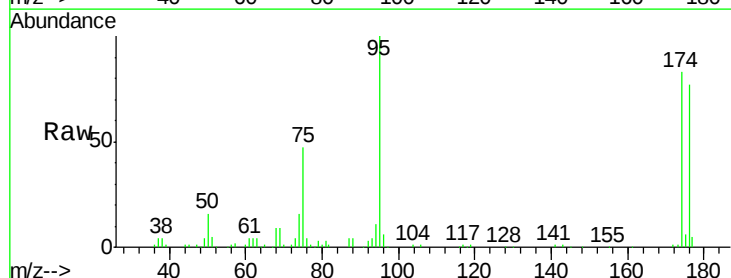
Acq: 25 Nov 2020 3:06

Tgt Ion: 75 Resp: 64099

Ion Ratio Lower Upper

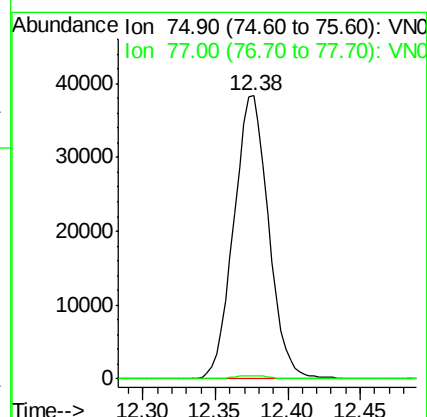
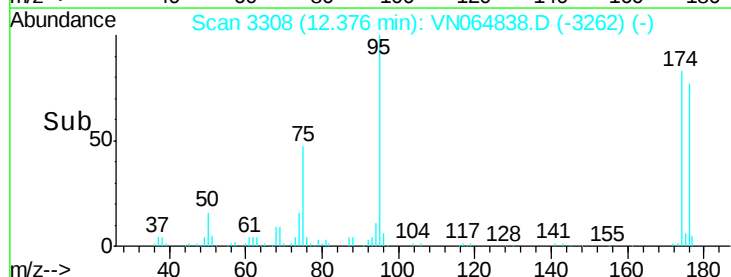
75 100

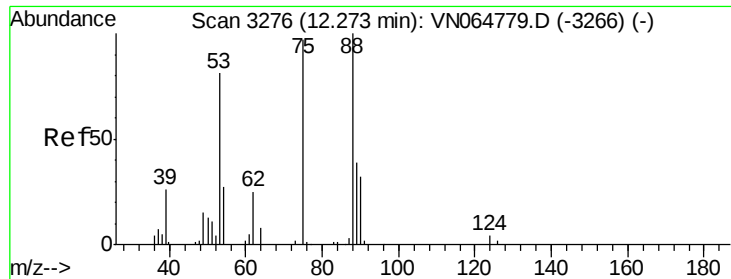
77 1.0 0.0 0.0#



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: 61.577 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064838.D

Acq: 25 Nov 2020 3:06

Instrument :

MSVOA_N

ClientSampleId :

BRP2-20201118

Tot Ion: 75 Resp: 64099

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#

