

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062199.D
 Acq On : 29 Jun 2020 19:44
 Operator : JC/MD
 Sample : L3127-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BRP1-20200625

Quant Time: Jun 30 04:28:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	193276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	362435	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	346144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	122685	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	140001	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
35) Dibromofluoromethane	7.55	113	116499	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	10.06	98	458521	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.38	95	143857	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	

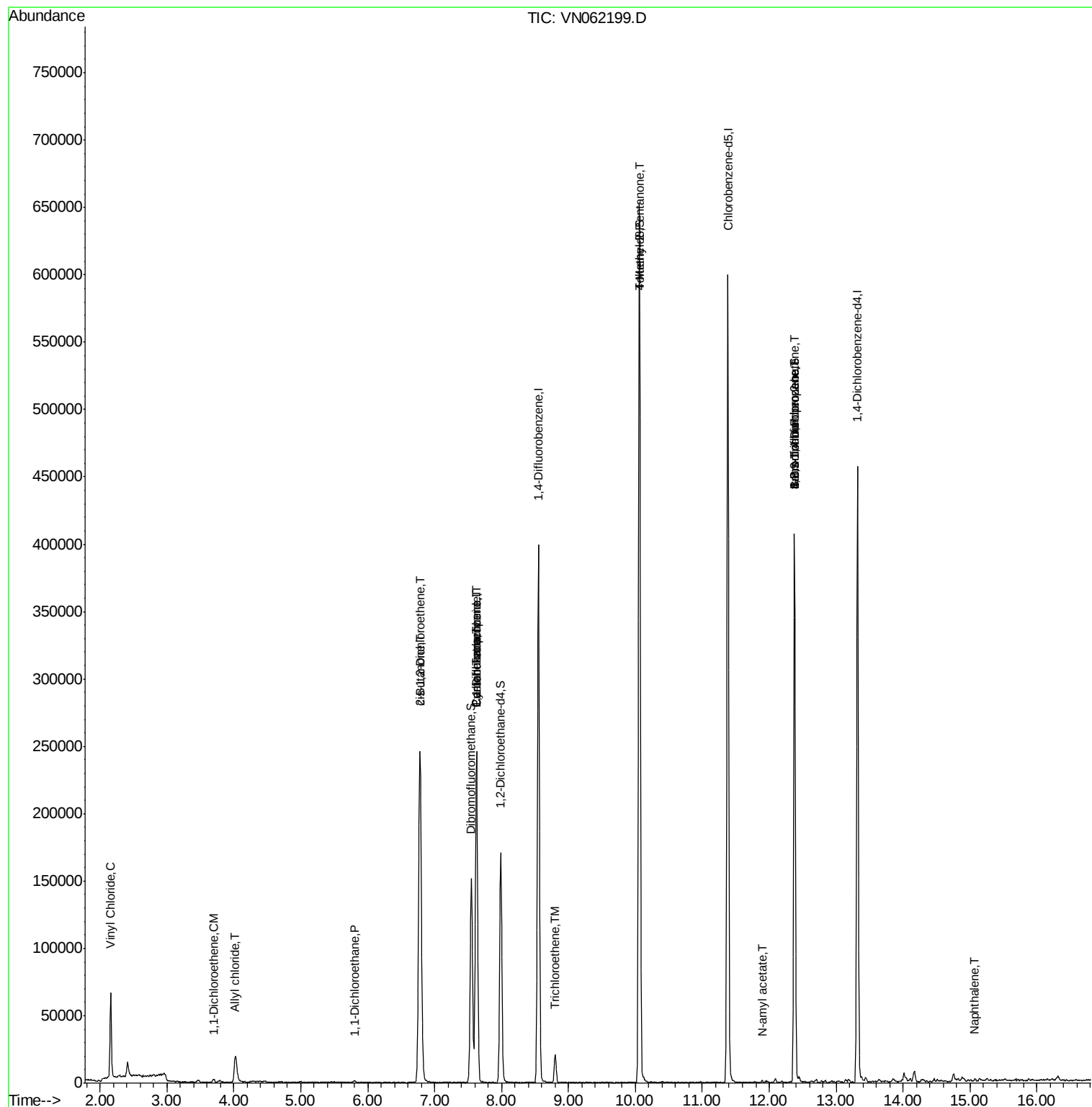
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	596	Below Cal		96
4) Vinyl Chloride	2.16	62	55830	16.228	ug/l	100
12) 1,1-Dichloroethene	3.70	96	1360	0.613	ug/l #	65
14) Allyl chloride	4.02	41	3598	1.191	ug/l #	67
16) Acetone	3.79	43	2549	Below Cal		94
20) Methylene Chloride	4.50	84	59	Below Cal	#	9
24) 1,1-Dichloroethane	5.79	63	1324	0.299	ug/l #	82
25) 2-Butanone	6.78	43	267	0.201	ug/l #	1
27) cis-1,2-Dichloroethene	6.78	96	171440	60.263	ug/l	87
31) Cyclohexane	7.63	56	4366	1.165	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	16881	4.634	ug/l #	48
38) Carbon Tetrachloride	7.63	117	19538	5.689	ug/l #	15
44) Trichloroethene	8.80	130	7648	2.730	ug/l	98
51) 4-Methyl-2-Pentanone	10.06	43	2009	0.699	ug/l #	1
71) Bromoform	12.37	173	1222	0.654	ug/l #	1
74) N-amyl acetate	11.90	43	30	3.351	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	75046	25.985	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	75046	75.885	ug/l #	13
95) Naphthalene	15.07	128	64	4.005	ug/l #	1

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062920\
Data File : VN062199.D
Acq On : 29 Jun 2020 19:44
Operator : JC/MD
Sample : L3127-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BRP1-20200625

Quant Time: Jun 30 04:28:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

Instrument :

MSVOA_N

ClientSampleId :

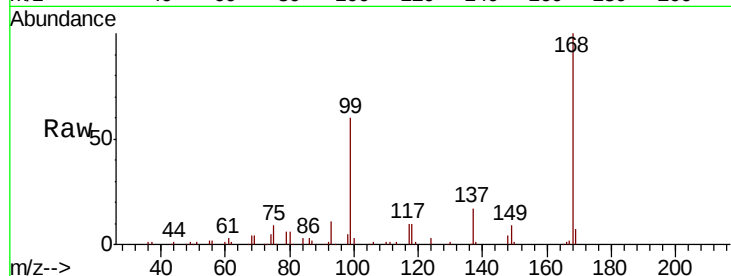
BRP1-20200625

Tot Ion:168 Resp: 193276

Ion Ratio Lower Upper

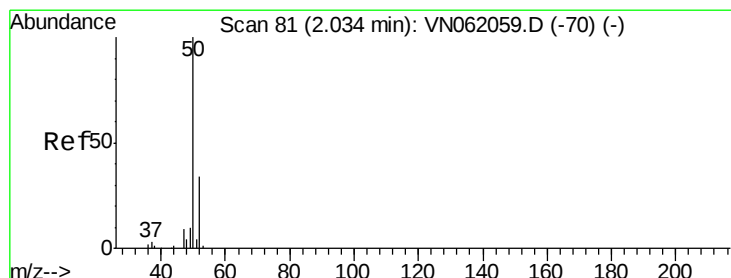
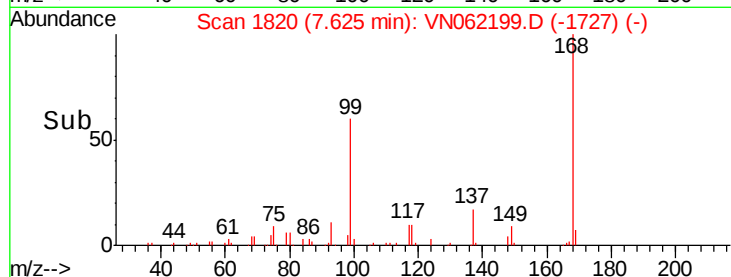
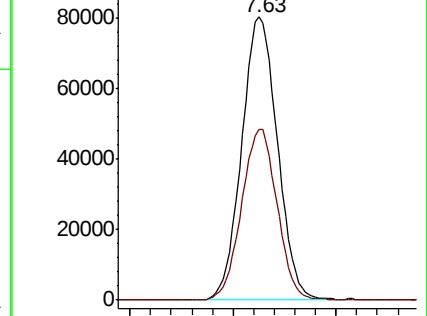
168 100

99 60.3 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062199.D

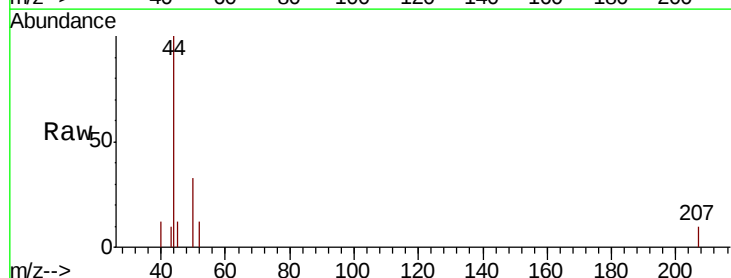
Acq: 29 Jun 2020 19:44

Tgt Ion: 50 Resp: 596

Ion Ratio Lower Upper

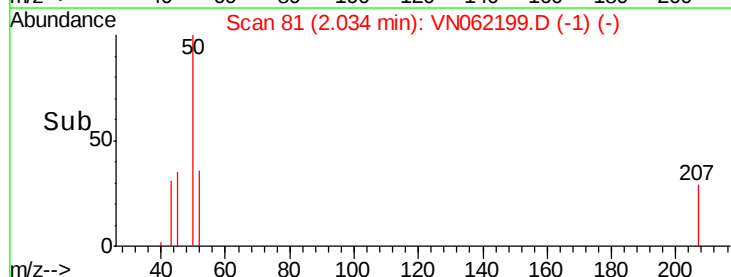
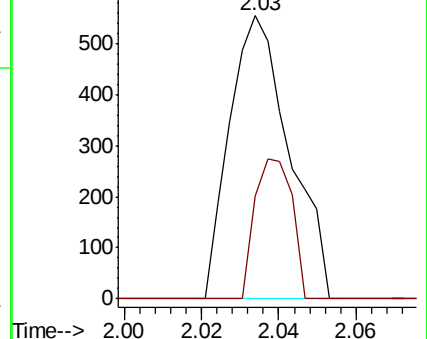
50 100

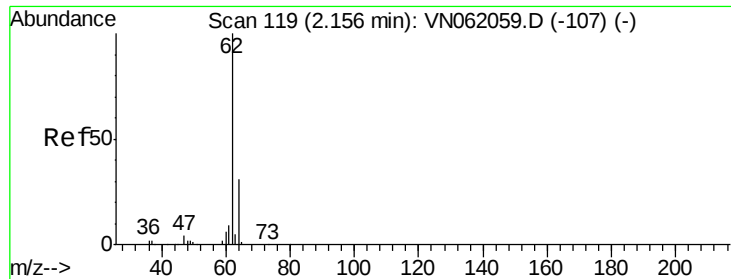
52 36.2 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#4

Vinyl Chloride

Concen: 16.228 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

Instrument :

MSVOA_N

ClientSampleId :

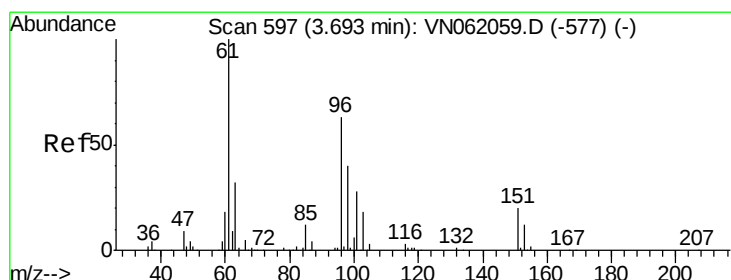
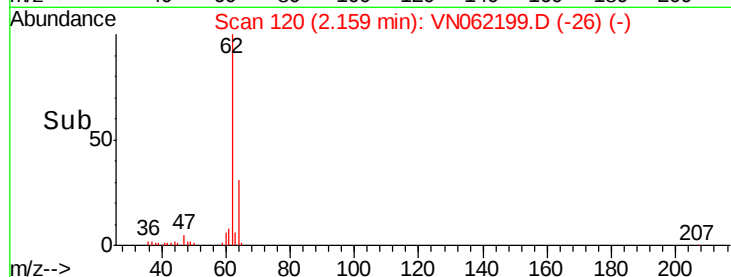
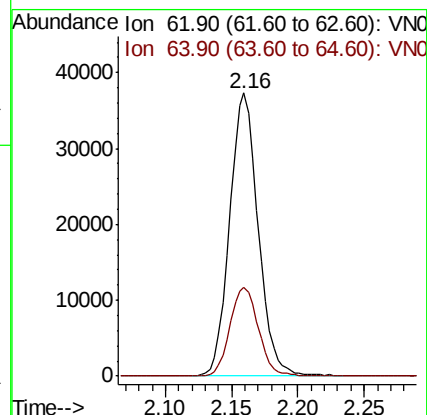
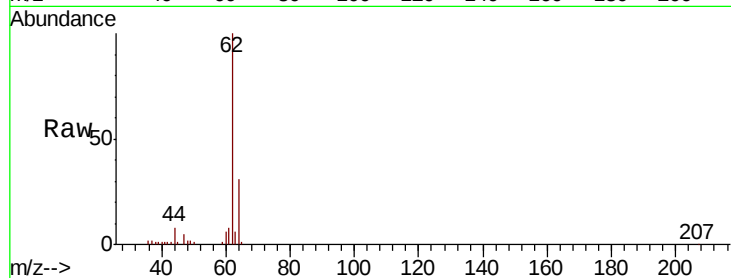
BRP1-20200625

Tot Ion: 62 Resp: 55830

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7



#12

1,1-Dichloroethene

Concen: 0.613 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

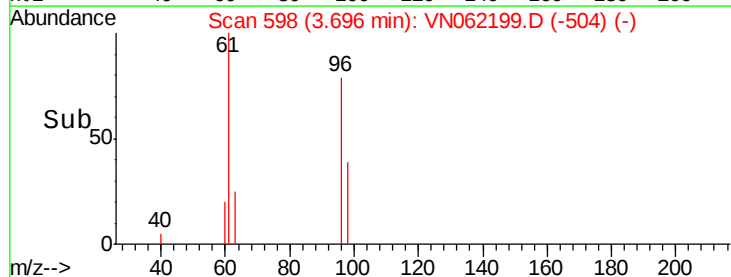
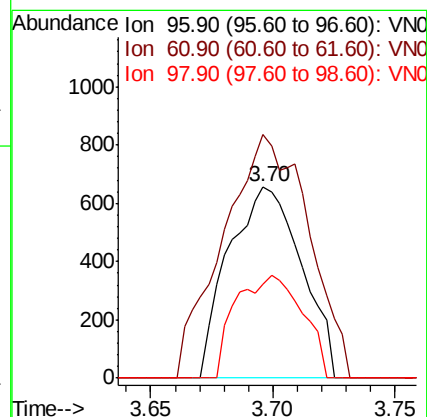
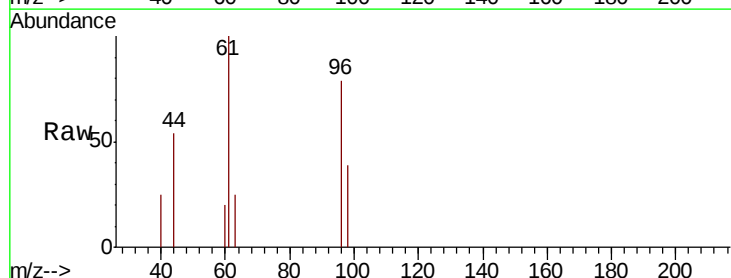
Tgt Ion: 96 Resp: 1360

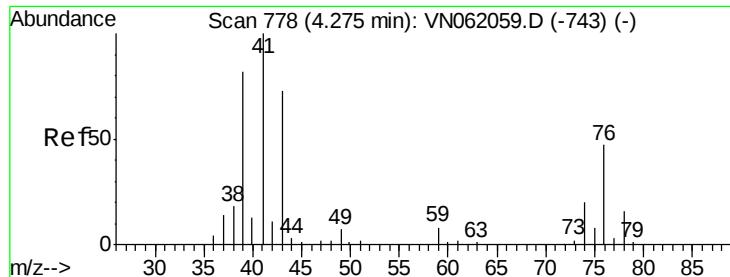
Ion Ratio Lower Upper

96 100

61 104.3 126.7 190.1#

98 49.2 51.0 76.4#

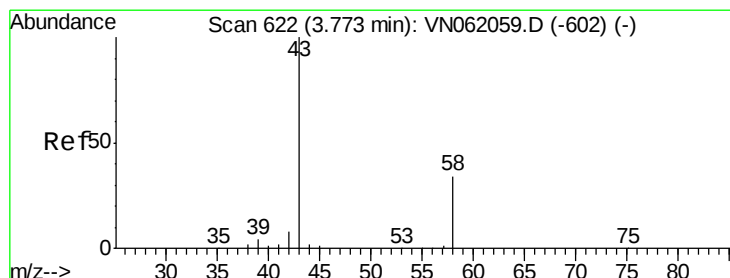
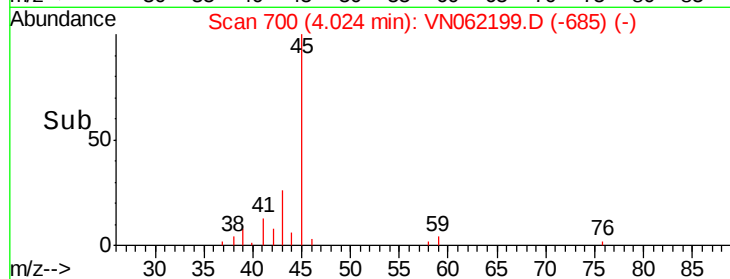
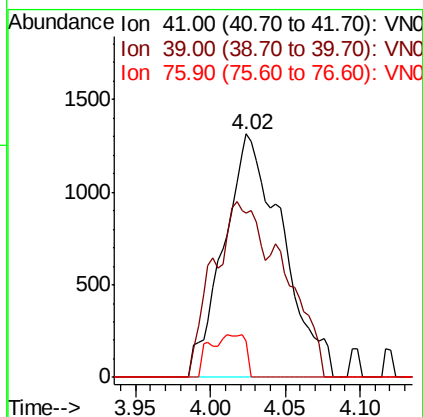
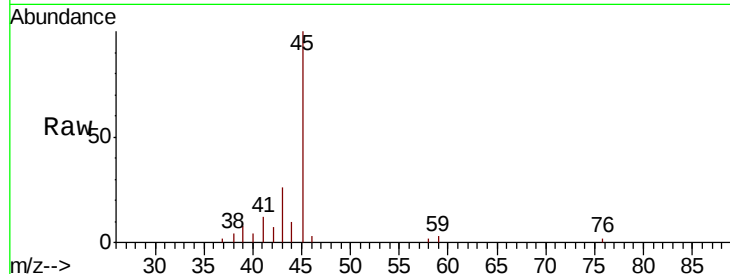




#14
Allvl chloride
Concen: 1.191 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.25 min
Lab File: VN062199.D
Acq: 29 Jun 2020 19:44

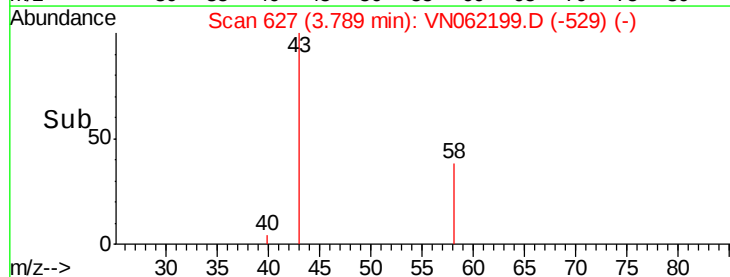
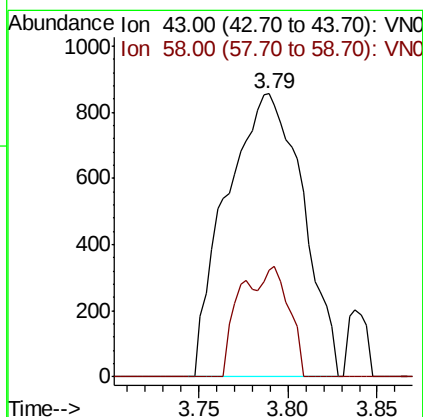
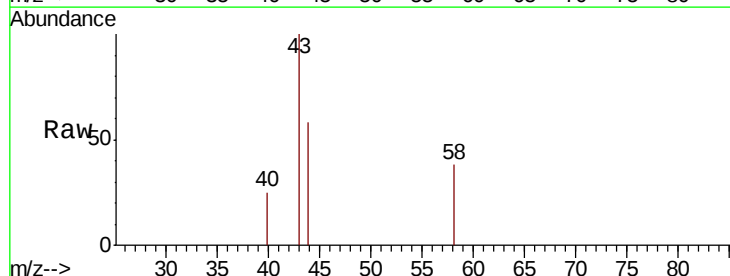
Instrument :
MSVOA_N
ClientSampleId :
BRP1-20200625

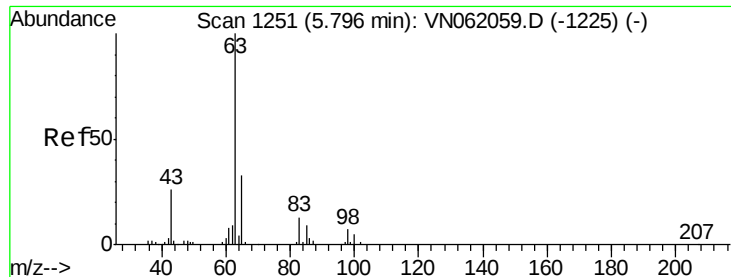
Tot Ion: 41 Resp: 3598
Ion Ratio Lower Upper
41 100
39 58.1 60.0 90.0#
76 7.1 34.1 51.1#



#16
Acetone
Concen: Below Cal
RT: 3.79 min Scan# 627
Delta R.T. 0.02 min
Lab File: VN062199.D
Acq: 29 Jun 2020 19:44

Tgt Ion: 43 Resp: 2549
Ion Ratio Lower Upper
43 100
58 37.9 27.5 41.3





#24

1,1-Dichloroethane

Concen: 0.299 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

Instrument :

MSVOA_N

ClientSampleId :

BRP1-20200625

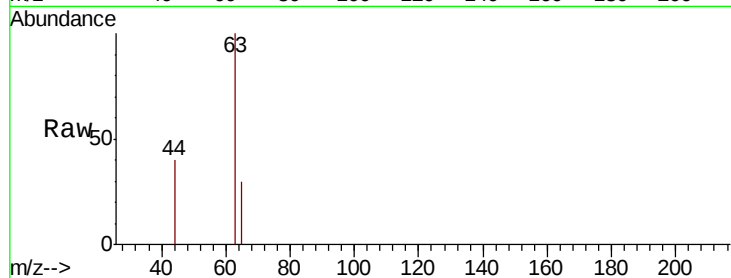
Tot Ion: 63 Resp: 1324

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

100 0.0 2.4 7.1#

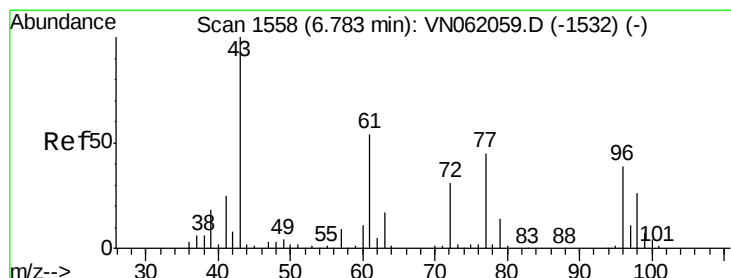
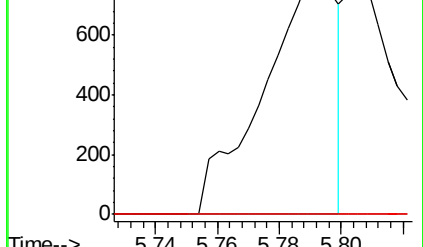
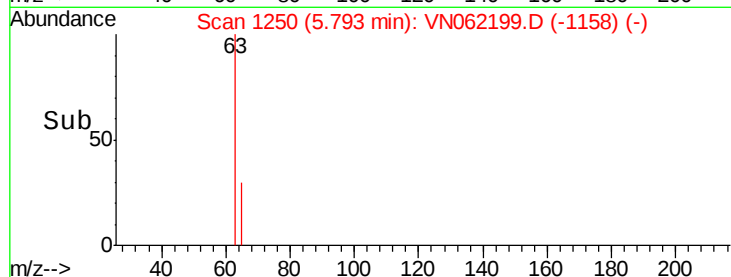


Abundance Ion 62.90 (62.60 to 63.60): VN062199.D (-1225) (-)

Ion 97.90 (97.60 to 98.60): VN062199.D (-1225) (-)

Ion 99.90 (99.60 to 100.60): VN062199.D (-1225) (-)

Time-->



#25

2-Butanone

Concen: 0.201 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VN062199.D

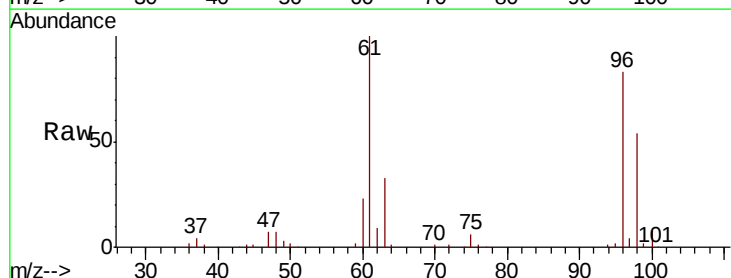
Acq: 29 Jun 2020 19:44

Tgt Ion: 43 Resp: 267

Ion Ratio Lower Upper

43 100

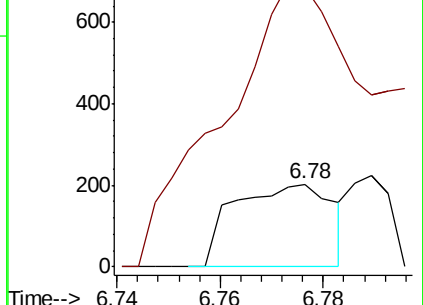
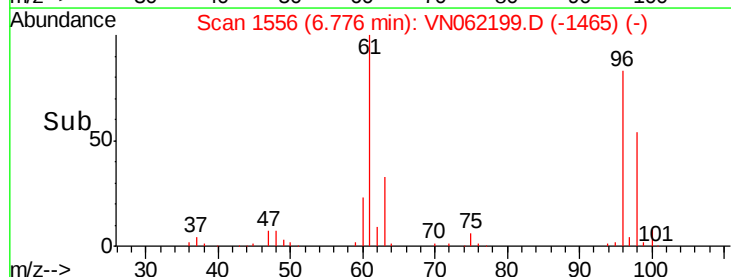
72 197.5 24.8 37.2#

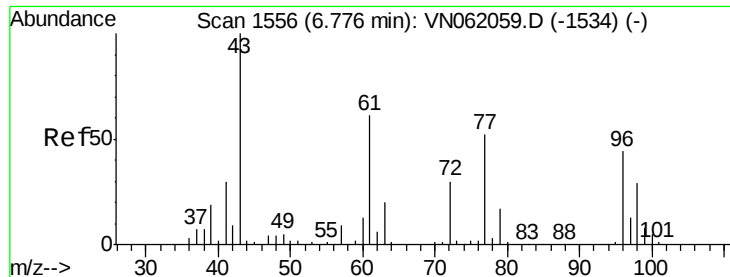


Abundance Ion 43.00 (42.70 to 43.70): VN062199.D (-1532) (-)

Ion 72.00 (71.70 to 72.70): VN062199.D (-1532) (-)

Time-->





#27

cis-1,2-Dichloroethene

Concen: 60.263 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

Instrument :

MSVOA_N

ClientSampleId :

BRP1-20200625

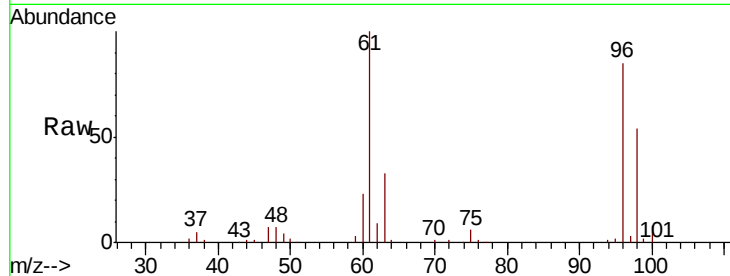
Tot Ion: 96 Resp: 171440

Ion Ratio Lower Upper

96 100

61 119.8 0.0 280.4

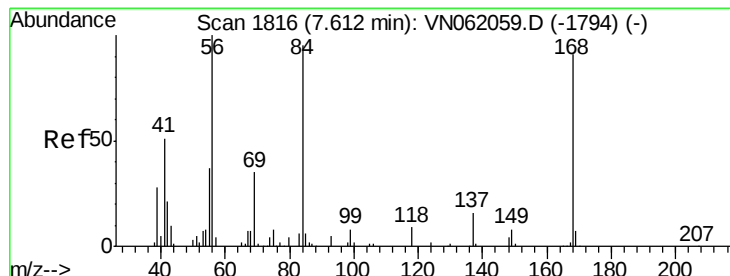
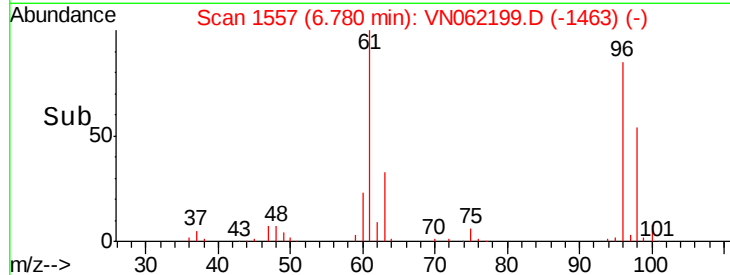
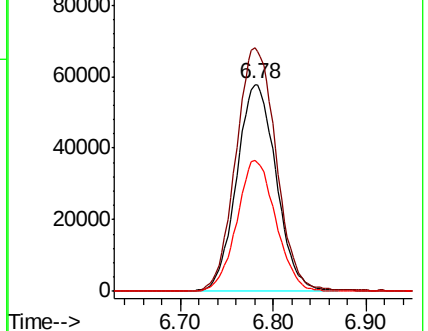
98 62.0 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062199.D (-1723) (-)

Ion 60.90 (60.60 to 61.60): VN062199.D (-1534) (-)

Ion 97.90 (97.60 to 98.60): VN062199.D (-1534) (-)



#31

Cyclohexane

Concen: 1.165 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

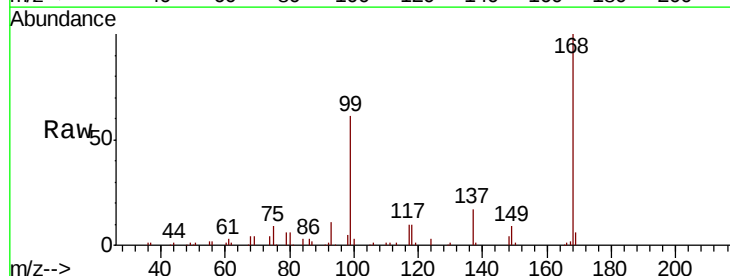
Tgt Ion: 56 Resp: 4366

Ion Ratio Lower Upper

56 100

69 169.3 28.0 42.0#

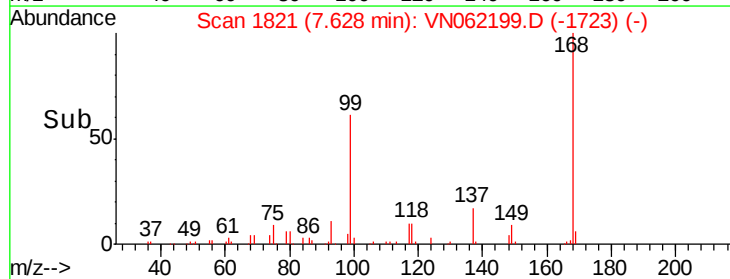
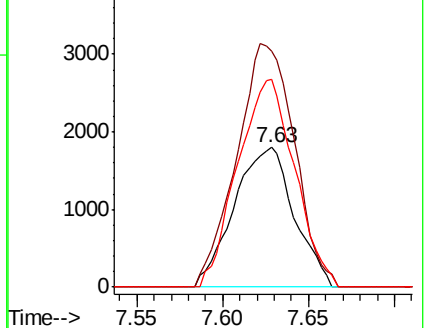
84 149.4 76.1 114.1#

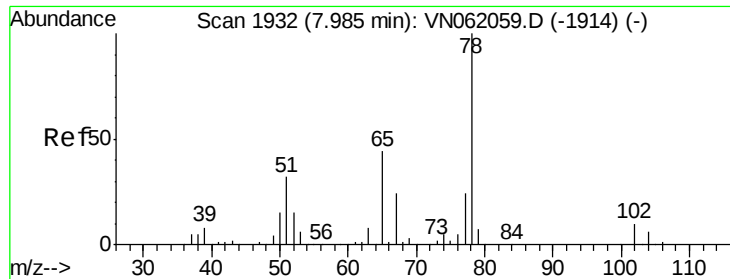


Abundance Ion 56.00 (55.70 to 56.70): VN062199.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062199.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062199.D (-1723) (-)





#33

1,2-Dichloroethane-d4

Concen: 51.617 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

Instrument :

MSVOA_N

ClientSampleId :

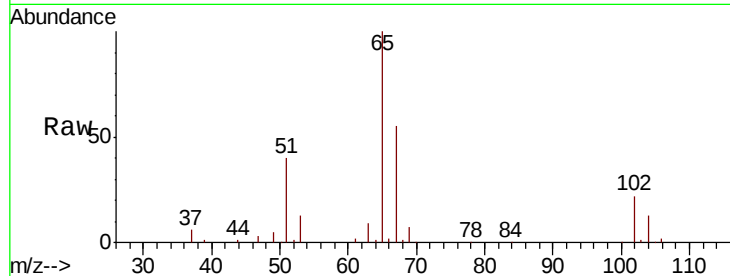
BRP1-20200625

Tot Ion: 65 Resp: 140001

Ion Ratio Lower Upper

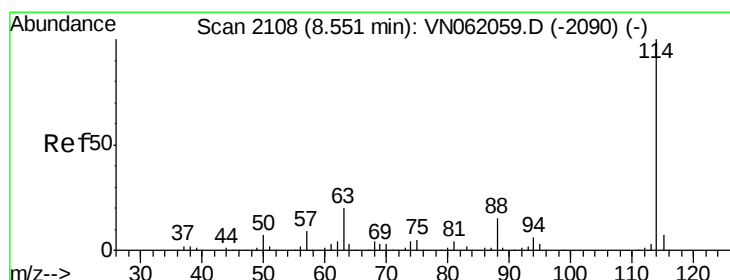
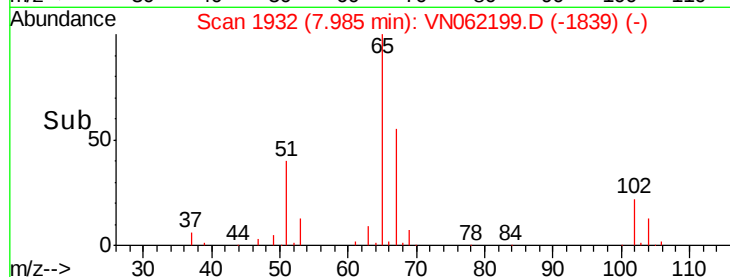
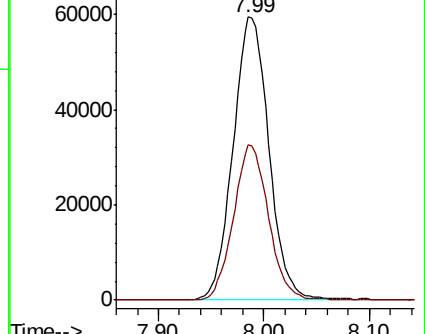
65 100

67 53.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062199.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062199.D (-1839) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

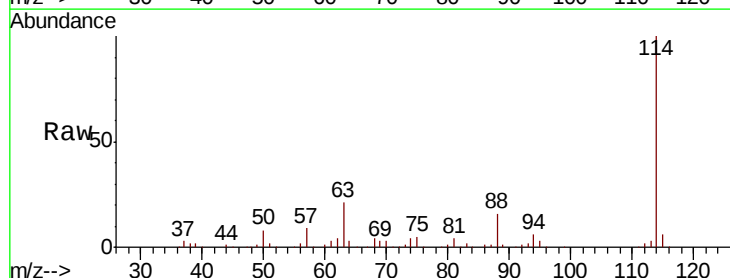
Tgt Ion: 114 Resp: 362435

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.2

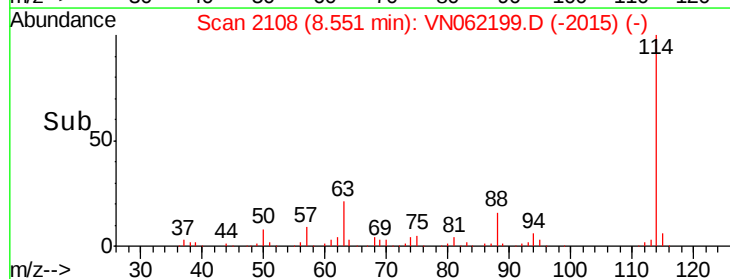
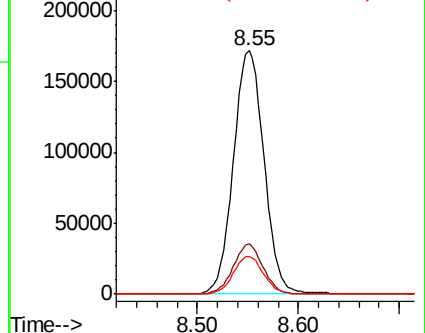
88 15.7 0.0 30.8

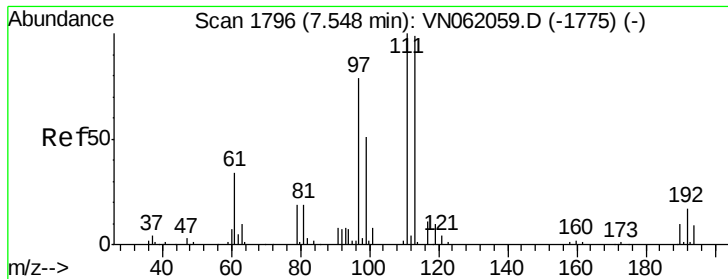


Abundance Ion 113.90 (113.60 to 114.60): VN062199.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062199.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062199.D (-2015) (-)

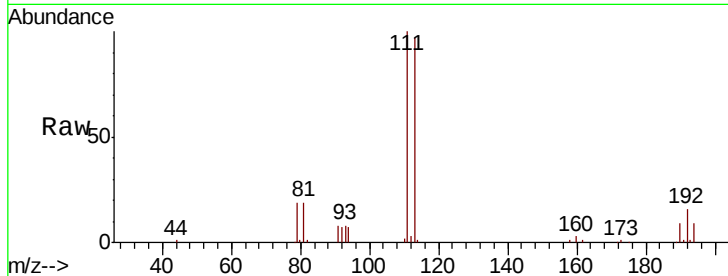




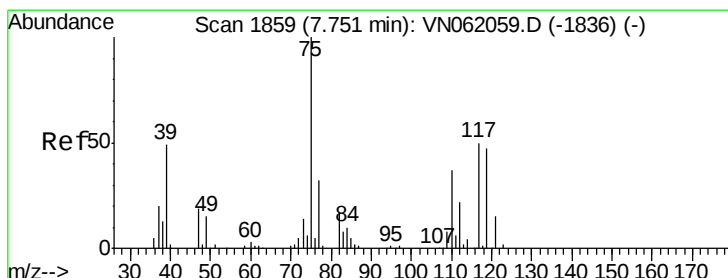
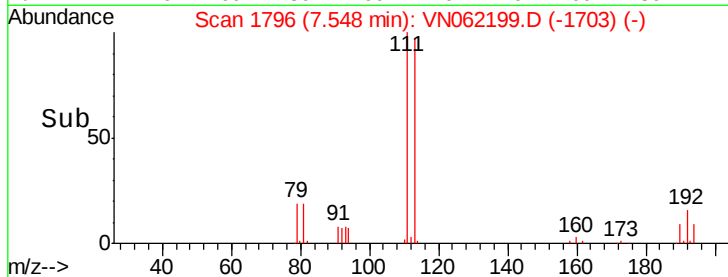
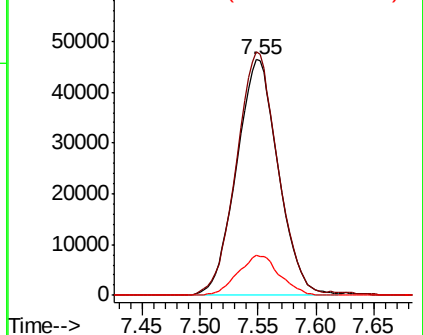
#35
 Dibromofluoromethane
 Concen: 50.103 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062199.D
 Acq: 29 Jun 2020 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 BRP1-20200625

Tot Ion:113 Resp: 116499
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.2 123.4
 192 17.0 14.0 21.0

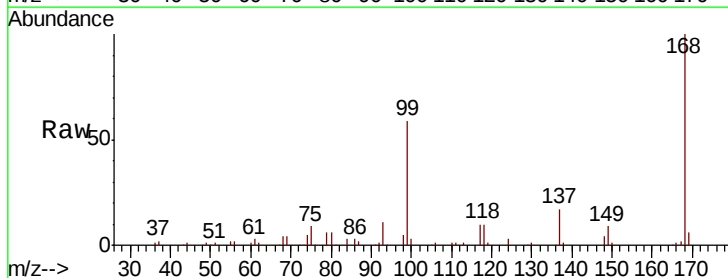


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

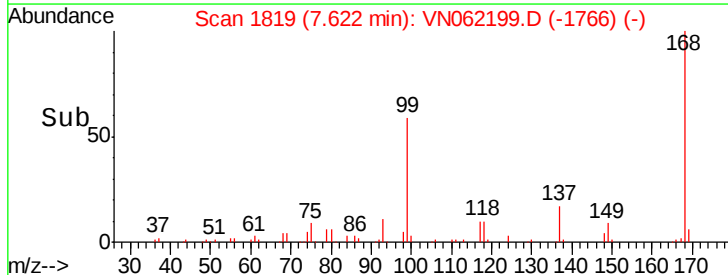
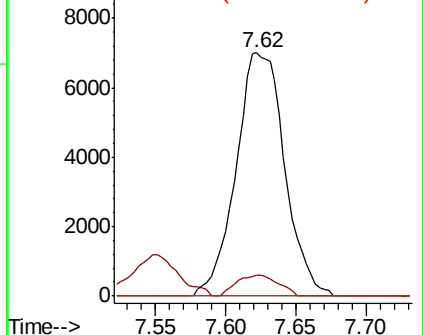


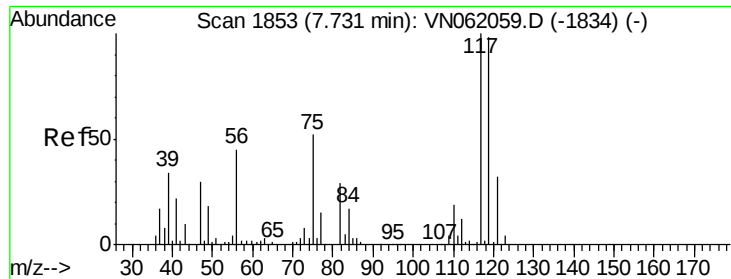
#36
 1,1-Dichloropropene
 Concen: 4.634 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062199.D
 Acq: 29 Jun 2020 19:44

Tgt Ion: 75 Resp: 16881
 Ion Ratio Lower Upper
 75 100
 110 7.4 17.9 53.8#
 77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 5.689 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

Instrument :

MSVOA_N

ClientSampleId :

BRP1-20200625

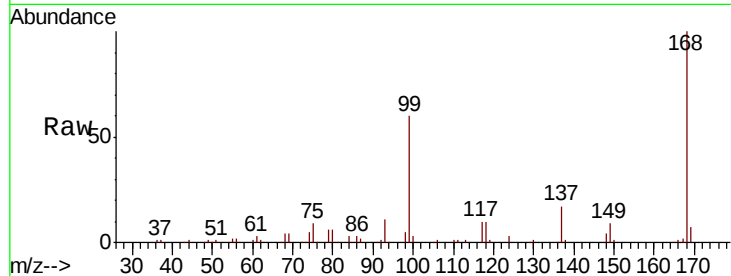
Tot Ion:117 Resp: 19538

Ion Ratio Lower Upper

117 100

119 5.5 78.2 117.2#

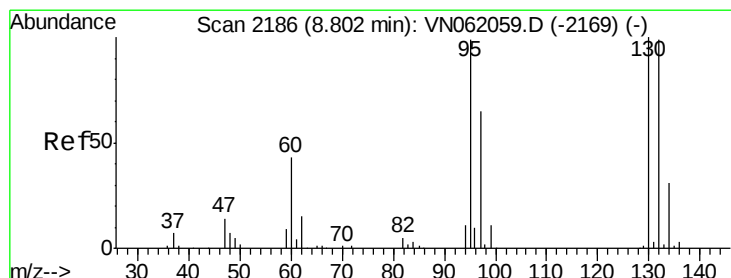
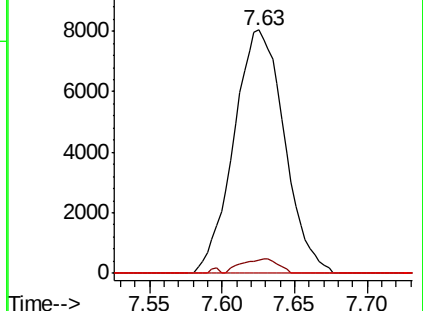
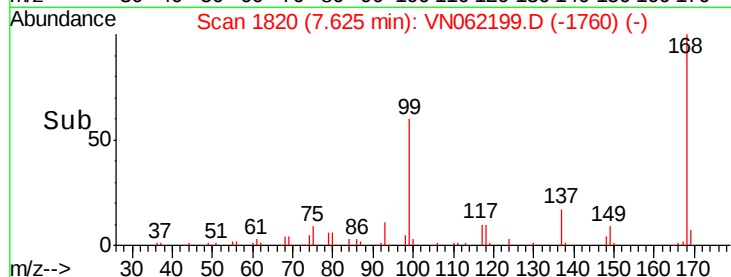
121 0.0 25.8 38.6#



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



#44

Trichloroethene

Concen: 2.730 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062199.D

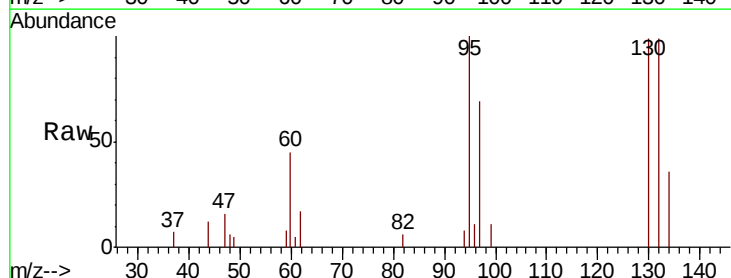
Acq: 29 Jun 2020 19:44

Tgt Ion:130 Resp: 7648

Ion Ratio Lower Upper

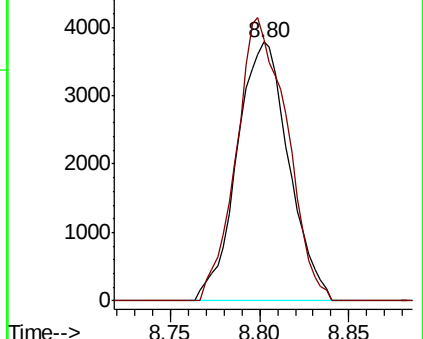
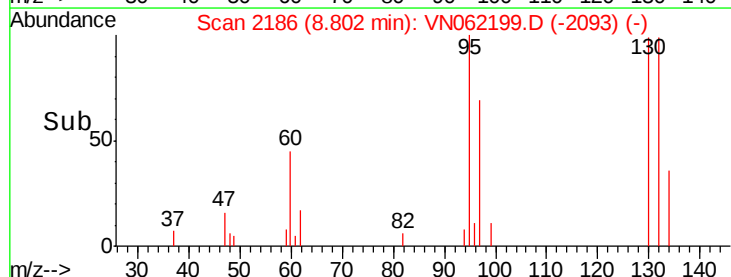
130 100

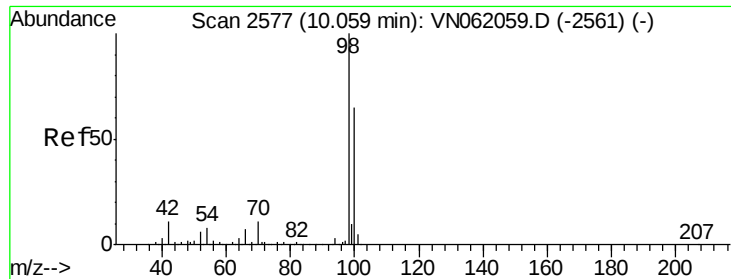
95 101.1 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 49.332 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

Instrument :

MSVOA_N

ClientSampleId :

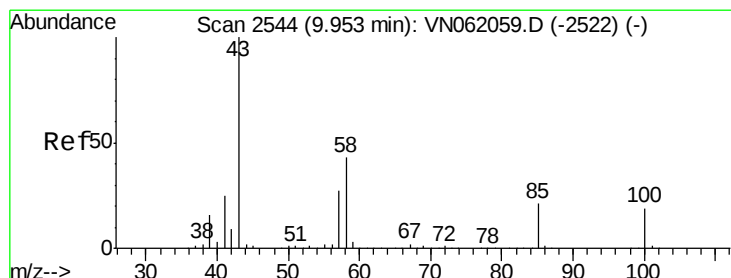
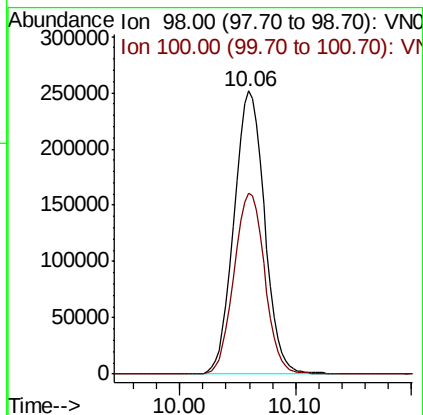
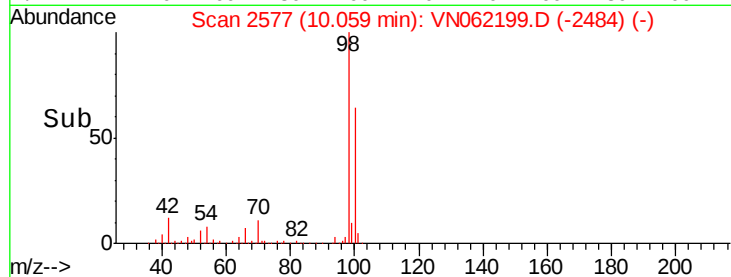
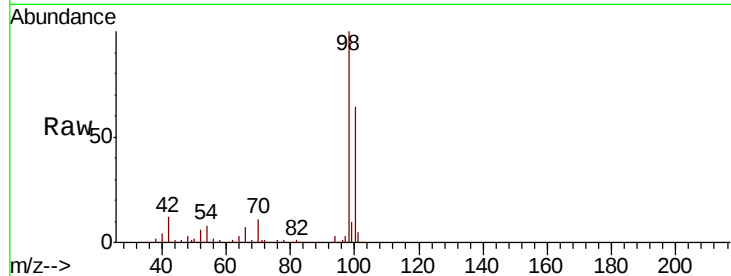
BRP1-20200625

Tot Ion: 98 Resp: 458521

Ion Ratio Lower Upper

98 100

100 64.6 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 0.699 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN062199.D

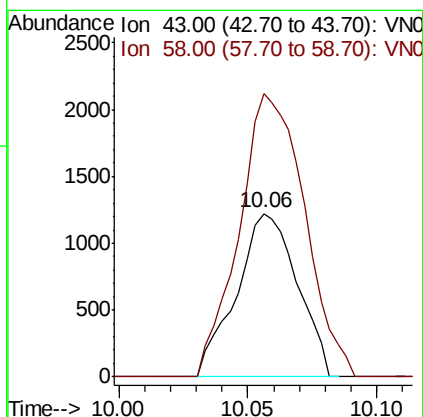
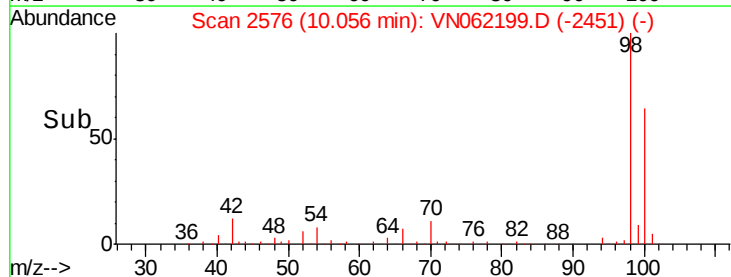
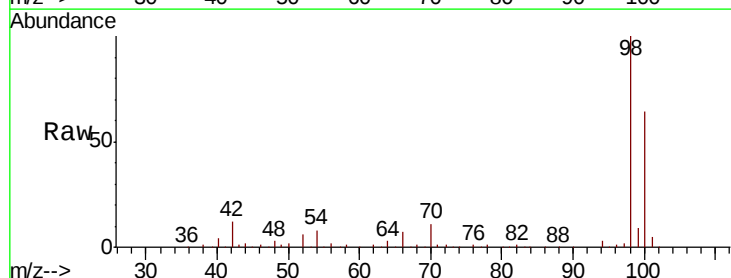
Acq: 29 Jun 2020 19:44

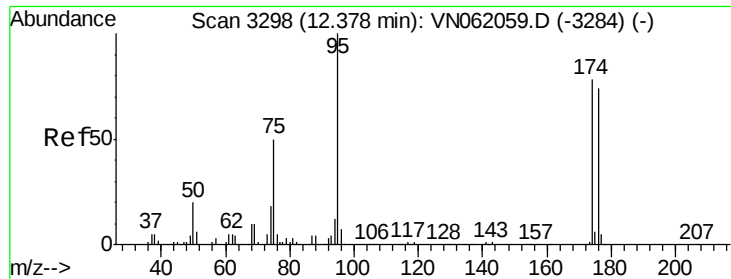
Tgt Ion: 43 Resp: 2009

Ion Ratio Lower Upper

43 100

58 186.9 34.2 51.2#

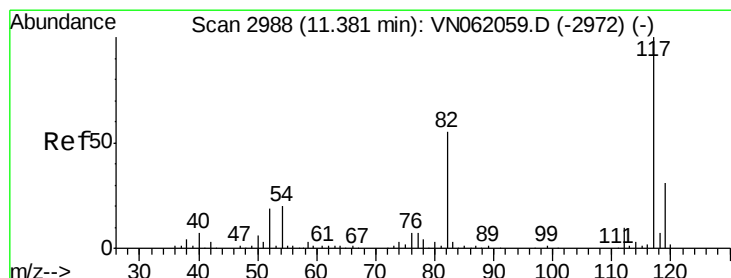
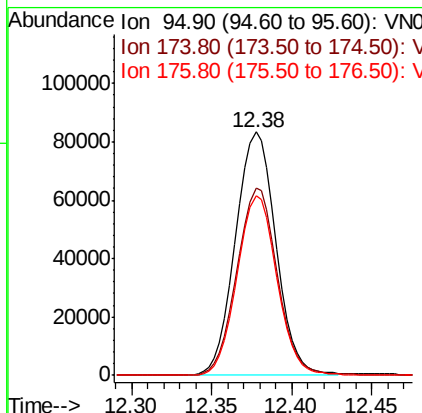
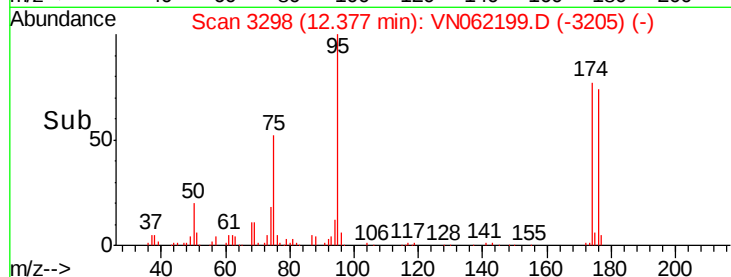
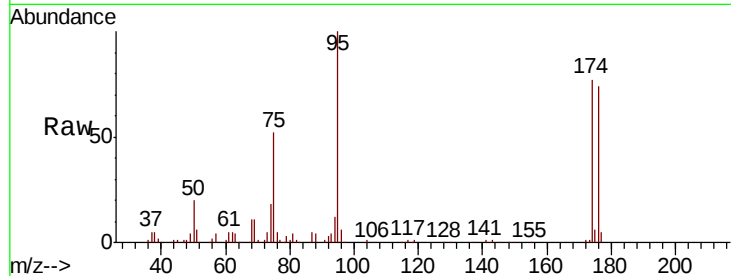




#62
4-Bromofluorobenzene
Concen: 45.811 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062199.D
Acq: 29 Jun 2020 19:44

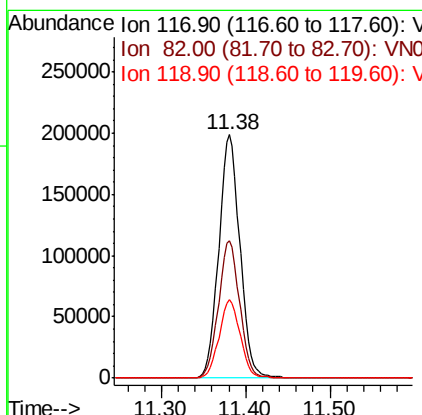
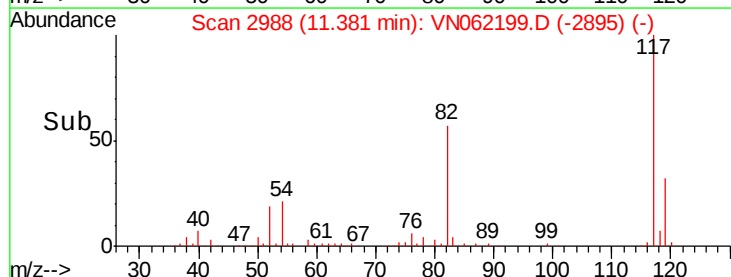
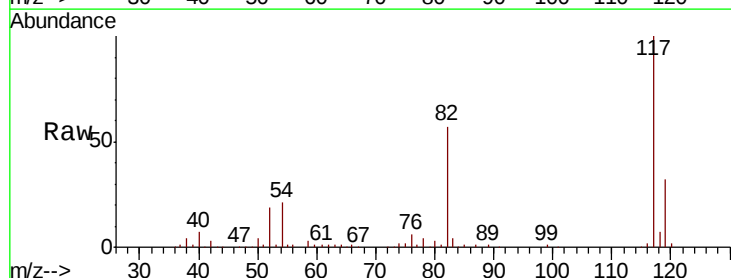
Instrument :
MSVOA_N
ClientSampleId :
BRP1-20200625

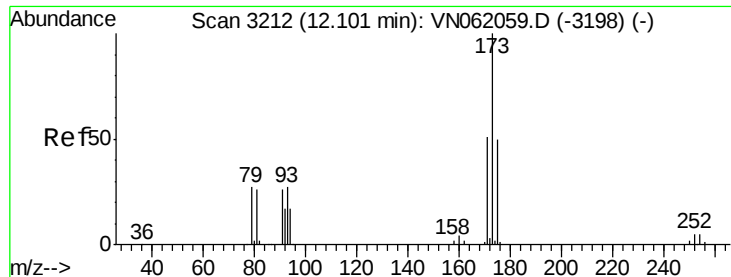
Tot Ion: 95 Resp: 143857
Ion Ratio Lower Upper
95 100
174 76.9 0.0 154.8
176 73.0 0.0 147.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062199.D
Acq: 29 Jun 2020 19:44

Tgt Ion: 117 Resp: 346144
Ion Ratio Lower Upper
117 100
82 56.6 43.8 65.8
119 32.0 25.2 37.8





#71

Bromoform

Concen: 0.654 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

Instrument :

MSVOA_N

ClientSampleId :

BRP1-20200625

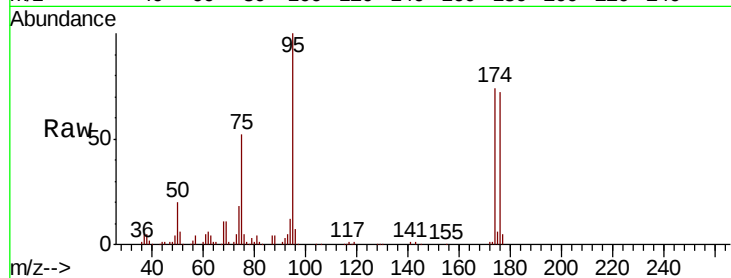
Tot Ion:173 Resp: 1222

Ion Ratio Lower Upper

173 100

175 542.5 24.7 74.1#

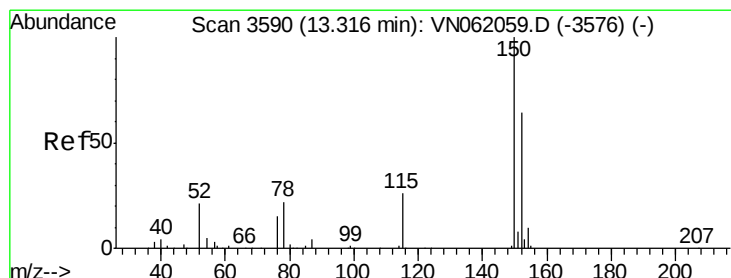
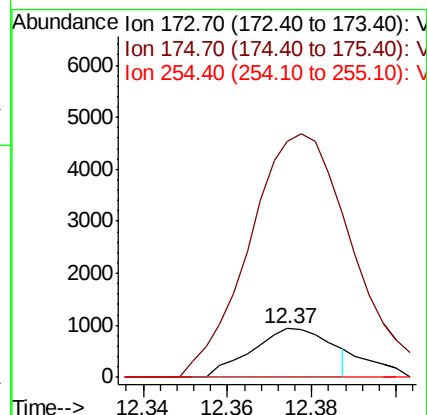
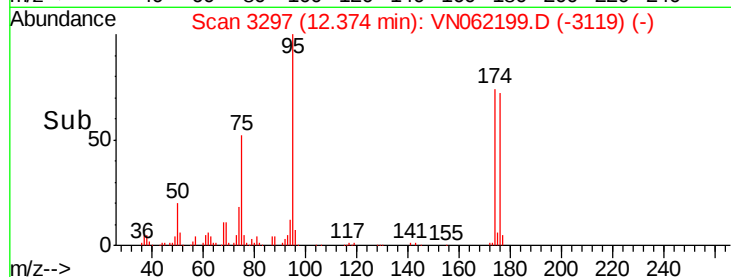
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

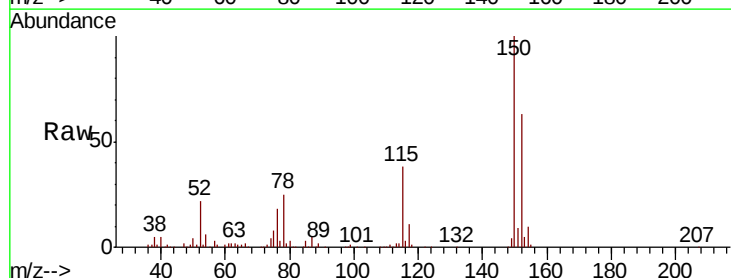
Tgt Ion:152 Resp: 122685

Ion Ratio Lower Upper

152 100

115 59.7 29.5 88.5

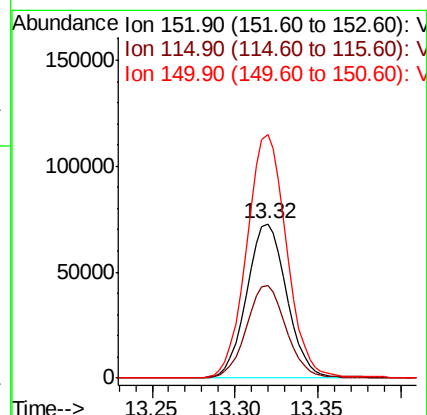
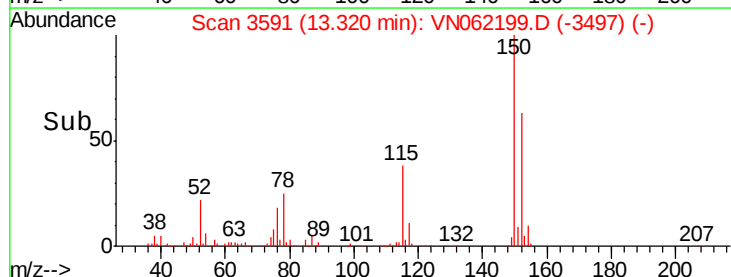
150 158.0 0.0 351.4

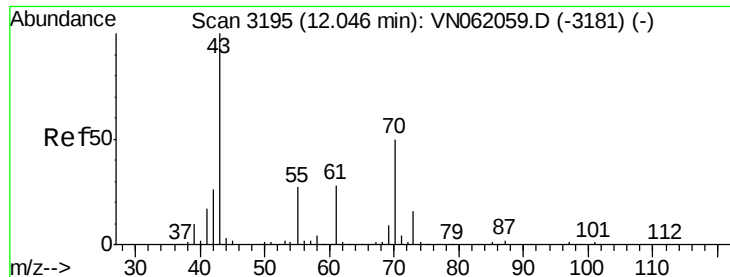


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.351 ug/l

RT: 11.90 min Scan# 3151

Delta R.T. -0.14 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

Instrument :

MSVOA_N

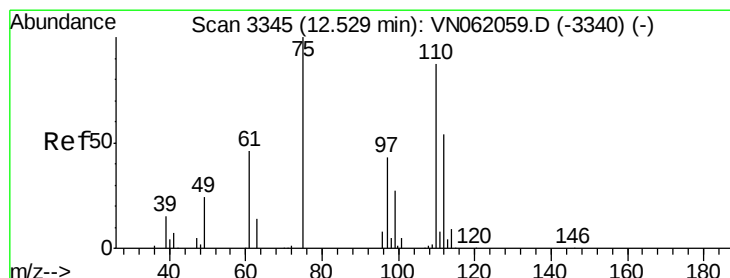
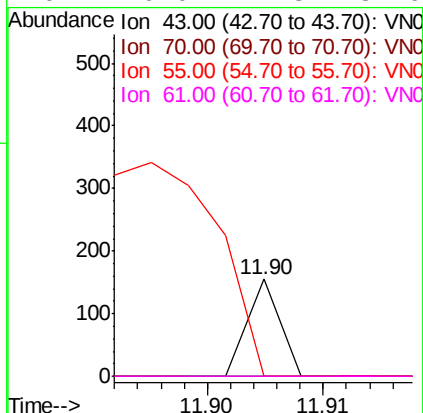
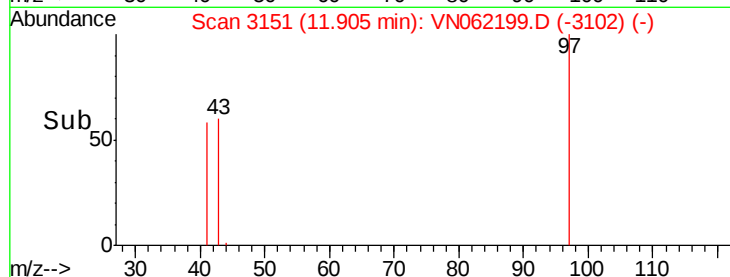
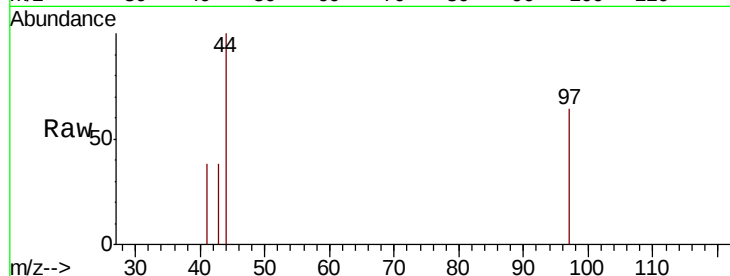
ClientSampleId :

BRP1-20200625

Tot Ion: 43 Resp: 30

Ion Ratio Lower Upper

43	100		
70	0.0	39.4	59.2#
55	1063.3	21.7	32.5#
61	0.0	21.3	31.9#



#76

1,2,3-Trichloropropane

Concen: 25.985 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

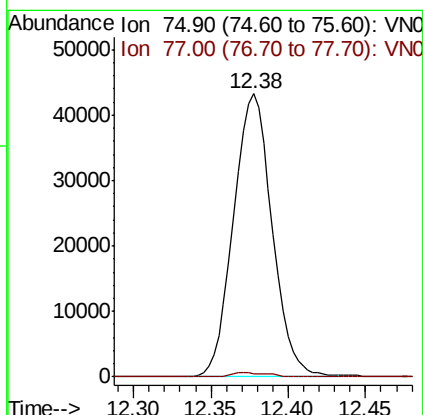
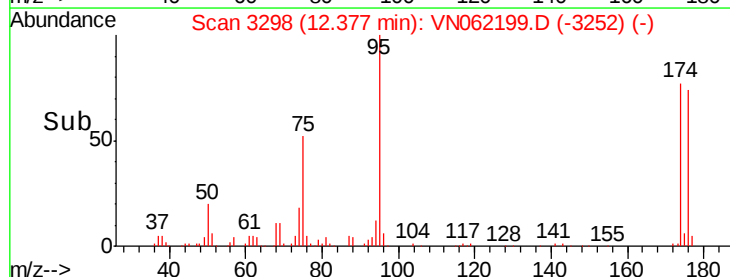
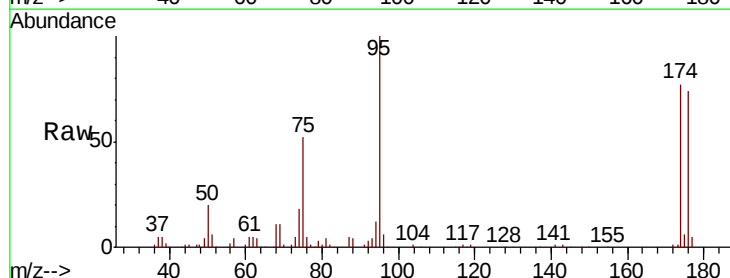
Lab File: VN062199.D

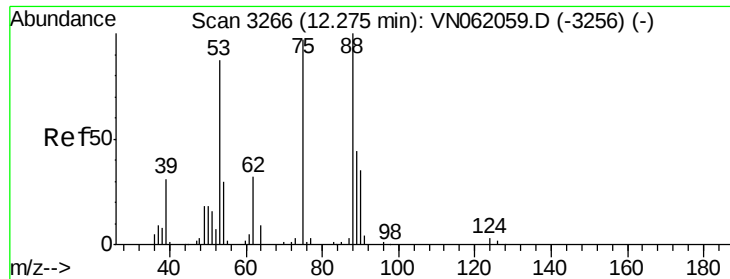
Acq: 29 Jun 2020 19:44

Tgt Ion: 75 Resp: 75046

Ion Ratio Lower Upper

75	100		
77	1.3	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 75.885 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

Instrument :

MSVOA_N

ClientSampleId :

BRP1-20200625

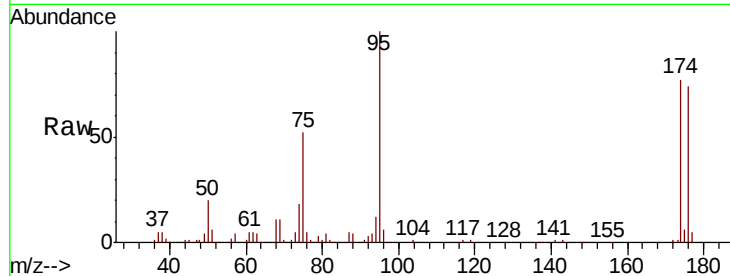
Tot Ion: 75 Resp: 75046

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

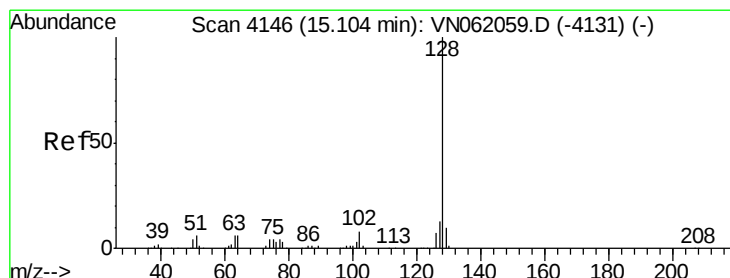
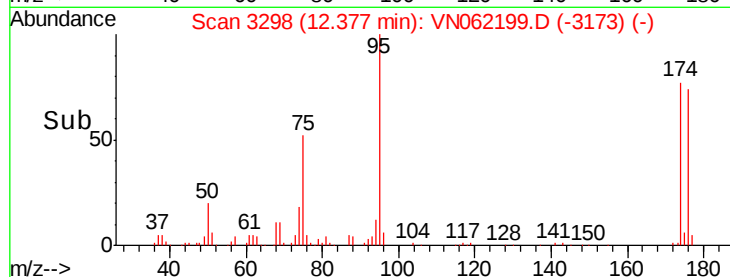
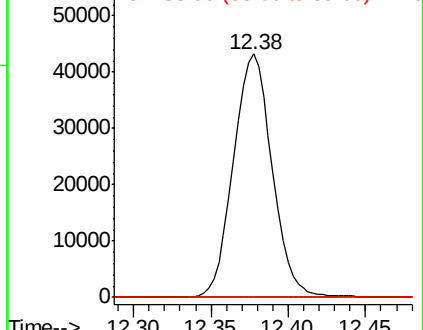
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062199.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062199.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062199.D (-3173) (-)



#95

Naphthalene

Concen: 4.005 ug/l

RT: 15.07 min Scan# 4136

Delta R.T. -0.03 min

Lab File: VN062199.D

Acq: 29 Jun 2020 19:44

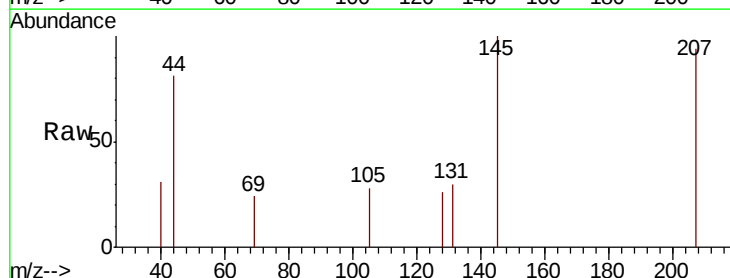
Tgt Ion: 128 Resp: 64

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 150.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN062199.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062199.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062199.D (-4053) (-)

