

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062197.D
 Acq On : 29 Jun 2020 18:55
 Operator : JC/MD
 Sample : L3088-11DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BRP2-20200622DL

Quant Time: Jun 30 04:28:34 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

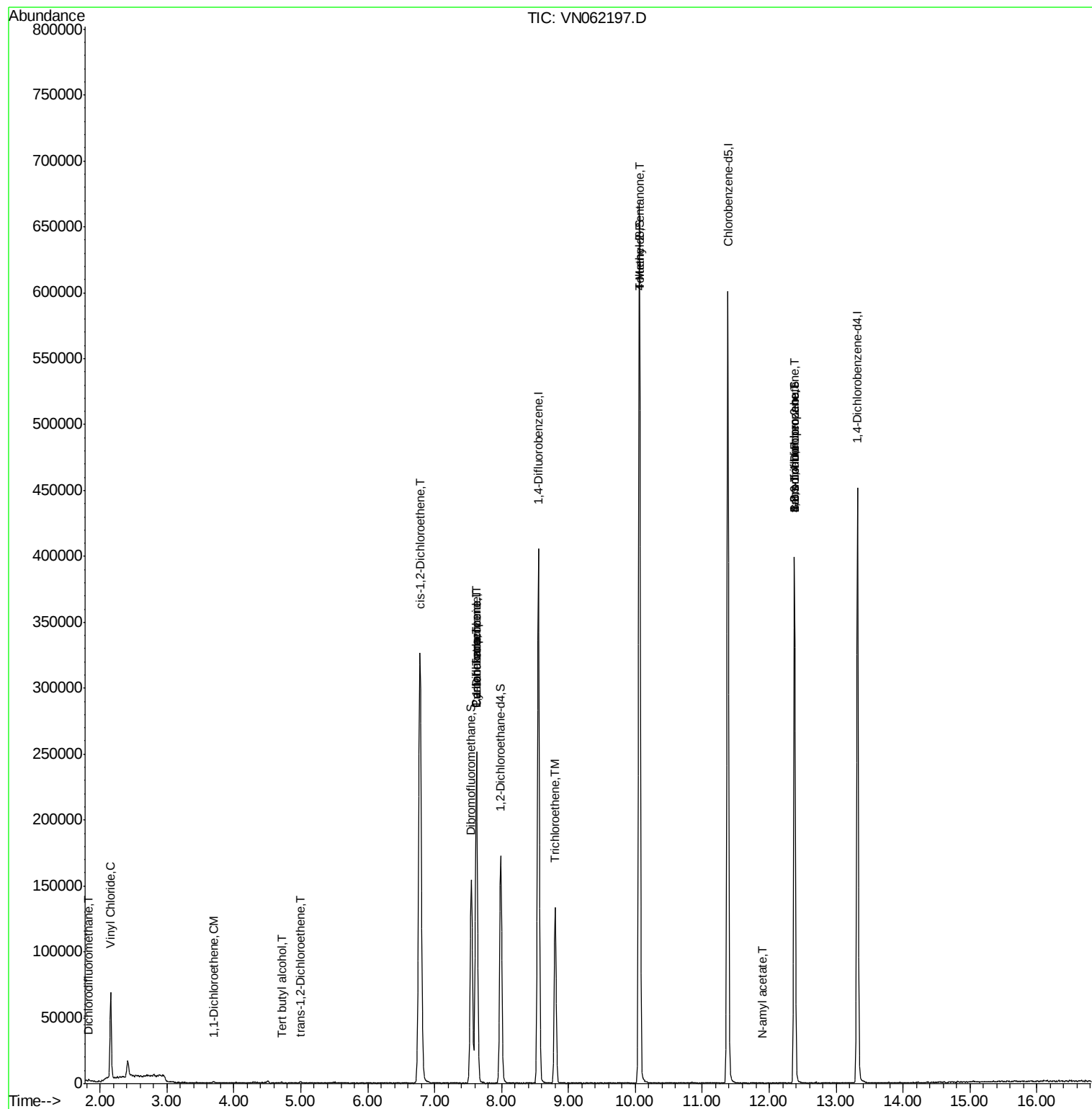
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	195555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	362407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	343814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	120656	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	143974	52.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.92%	
35) Dibromofluoromethane	7.55	113	120099	51.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.32%	
50) Toluene-d8	10.06	98	461050	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.38	95	143355	45.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	945	0.428	ug/l	87
3) Chloromethane	2.03	50	110	Below Cal	#	41
4) Vinyl Chloride	2.16	62	59086	16.974	ug/l	99
11) Tert butyl alcohol	4.71	59	123	0.312	ug/l #	72
12) 1,1-Dichloroethene	3.70	96	490	0.218	ug/l #	48
16) Acetone	3.79	43	502	Below Cal	#	40
20) Methylene Chloride	4.51	84	428	Below Cal	#	57
21) trans-1,2-Dichloroethene	5.00	96	682	0.267	ug/l #	37
27) cis-1,2-Dichloroethene	6.78	96	225274	78.263	ug/l	89
31) Cyclohexane	7.63	56	4684	1.235	ug/l #	38
36) 1,1-Dichloropropene	7.63	75	16898	4.639	ug/l #	45
38) Carbon Tetrachloride	7.63	117	19153	5.577	ug/l #	15
44) Trichloroethene	8.80	130	48835	17.436	ug/l	97
51) 4-Methyl-2-Pentanone	10.06	43	1783	0.621	ug/l #	1
71) Bromoform	12.37	173	848	0.457	ug/l #	1
74) N-amyl acetate	11.91	43	31	3.352	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	72740	25.610	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	72740	74.790	ug/l #	13

(#) = 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# 1820

Delta R.T. -0.00 min

Lab File: VN062197.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

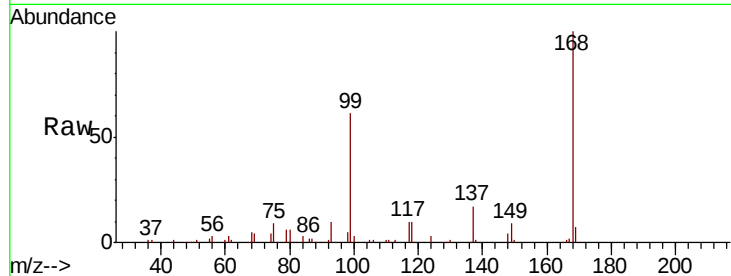
BRP2-20200622DL

Tot Ion:168 Resp: 195555

Ion Ratio Lower Upper

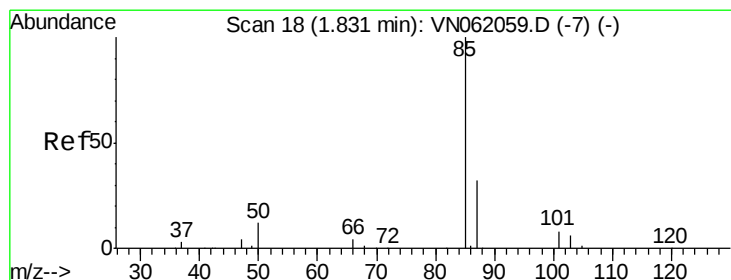
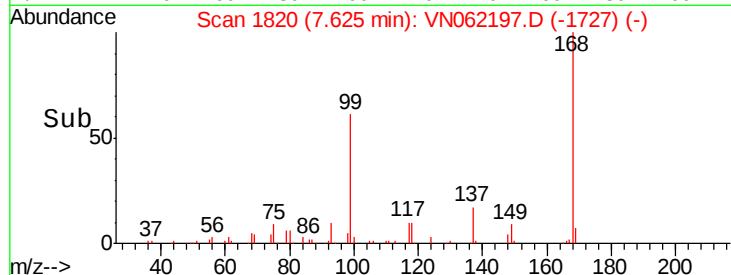
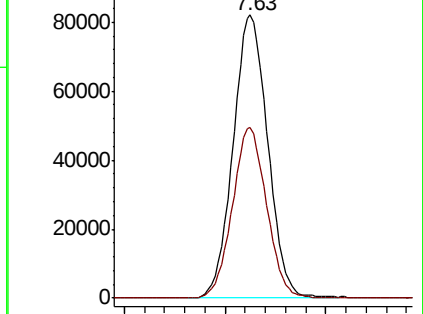
168 100

99 60.5 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 0.428 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN062197.D

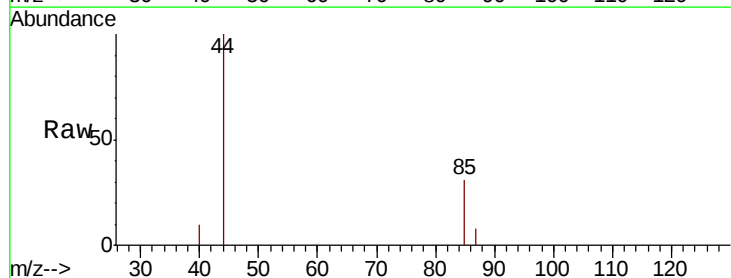
Acq: 29 Jun 2020 18:55

Tgt Ion: 85 Resp: 945

Ion Ratio Lower Upper

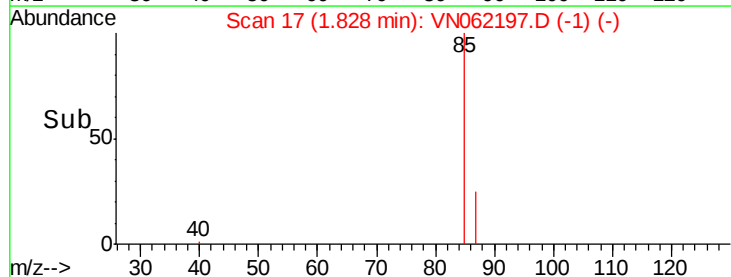
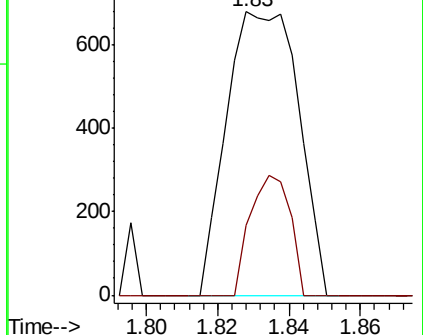
85 100

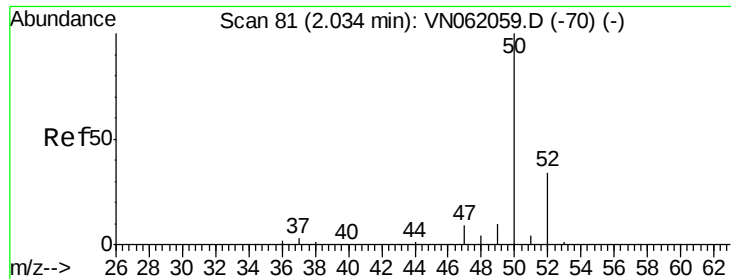
87 24.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062197.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

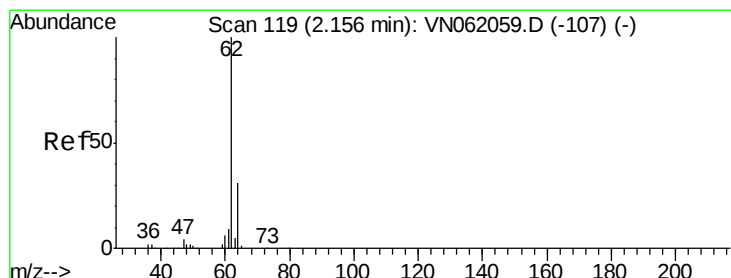
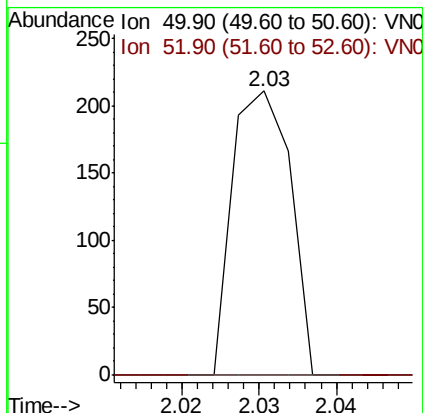
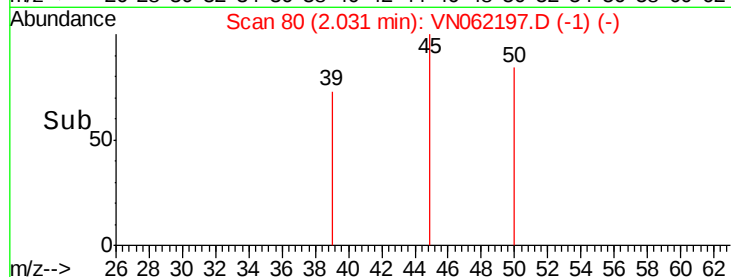
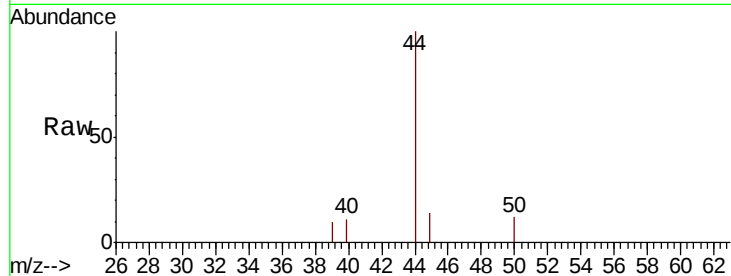
BRP2-20200622DL

Tot Ion: 50 Resp: 110

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



#4

Vinyl Chloride

Concen: 16.974 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062197.D

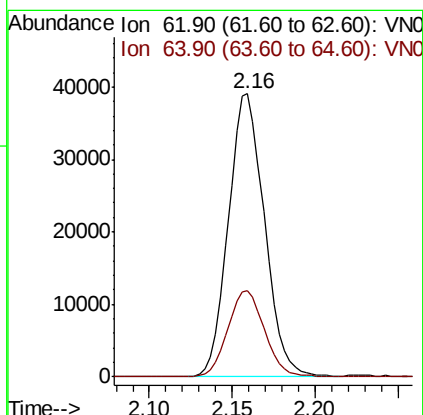
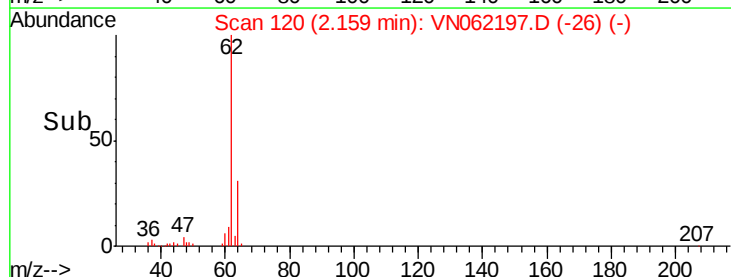
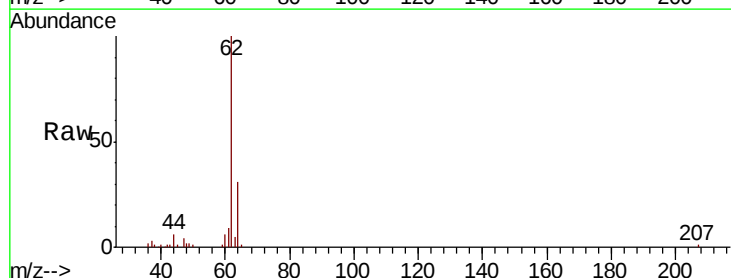
Acq: 29 Jun 2020 18:55

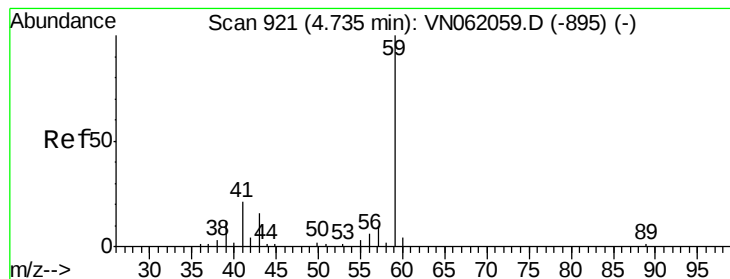
Tgt Ion: 62 Resp: 59086

Ion Ratio Lower Upper

62 100

64 30.7 25.1 37.7



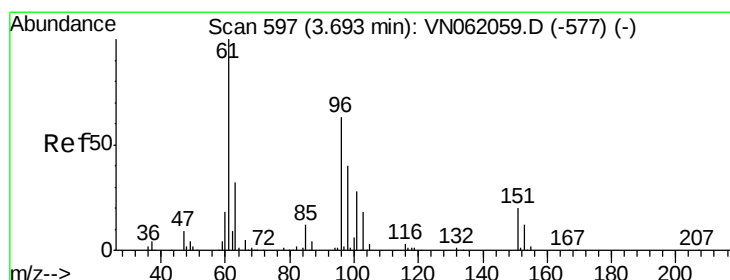
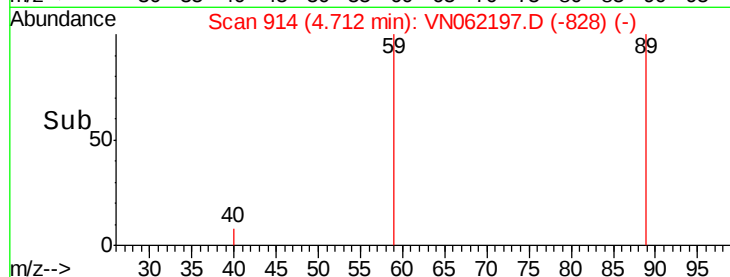
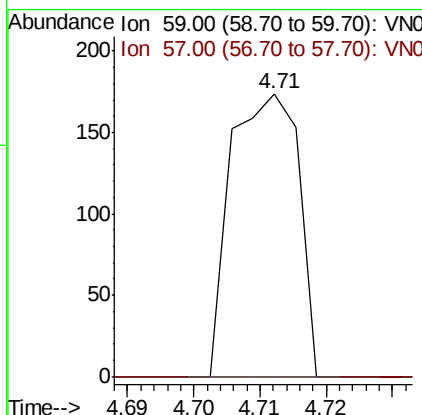
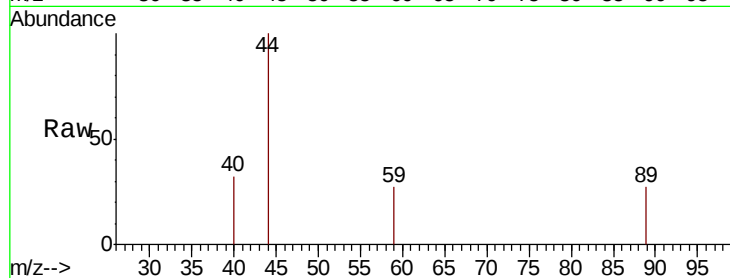


#11

Tert butyl alcohol
 Concen: 0.312 ug/l
 RT: 4.71 min Scan# 914
 Delta R.T. -0.02 min
 Lab File: VN062197.D
 Acq: 29 Jun 2020 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BRP2-20200622DL

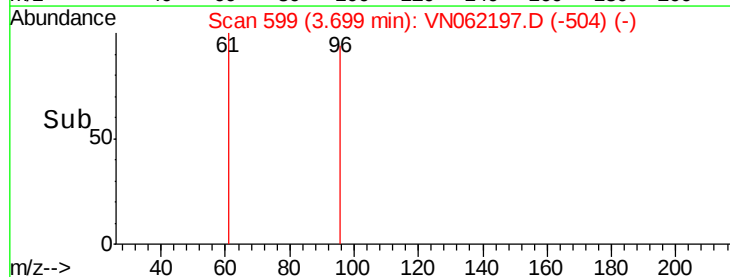
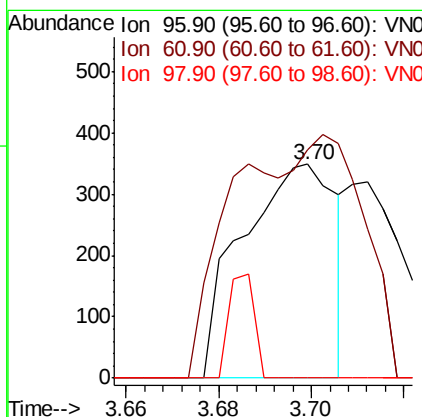
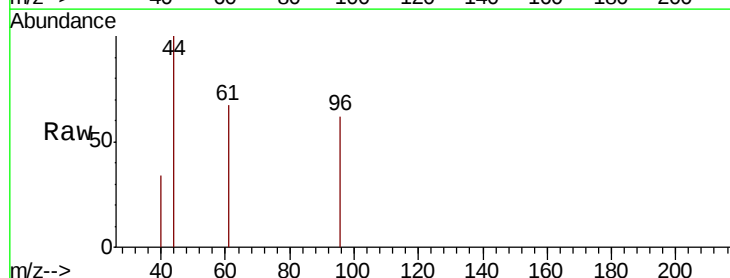
Tot Ion: 59 Resp: 123
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

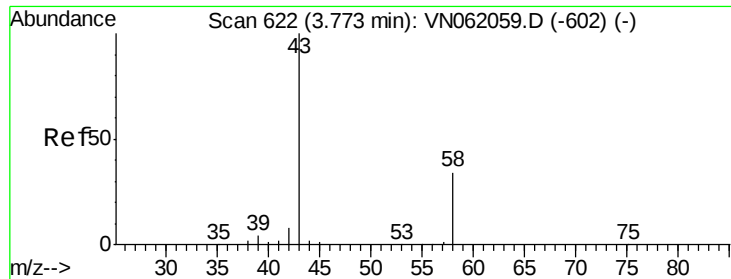


#12

1,1-Dichloroethene
 Concen: 0.218 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.01 min
 Lab File: VN062197.D
 Acq: 29 Jun 2020 18:55

Tgt Ion: 96 Resp: 490
 Ion Ratio Lower Upper
 96 100
 61 106.6 126.7 190.1#
 98 0.0 51.0 76.4#





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.02 min

Lab File: VN062197.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

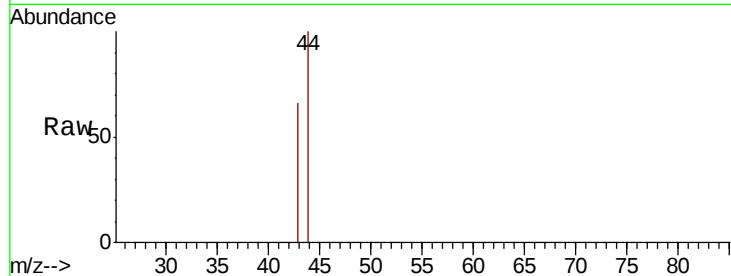
BRP2-20200622DL

Tot Ion: 43 Resp: 502

Ion Ratio Lower Upper

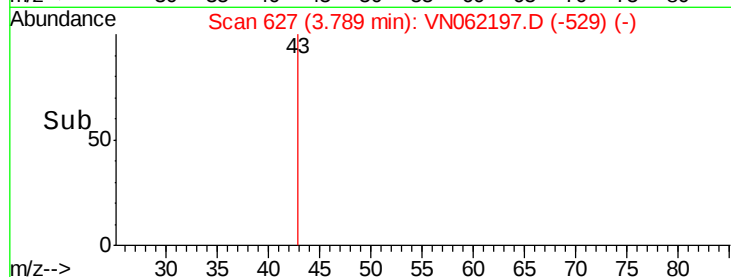
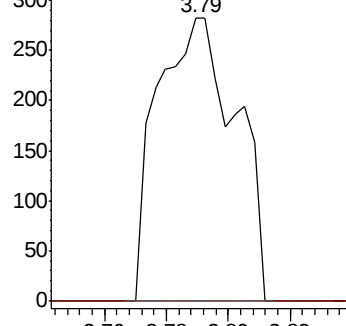
43 100

58 0.0 27.5 41.3#

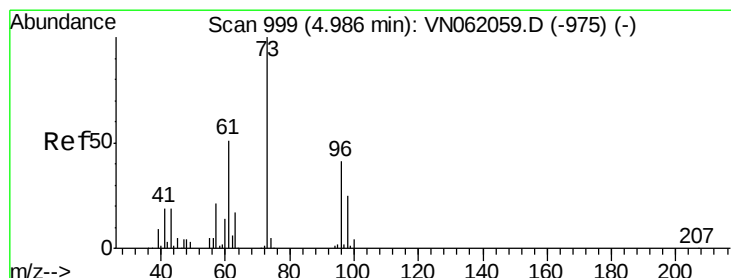


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.267 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN062197.D

Acq: 29 Jun 2020 18:55

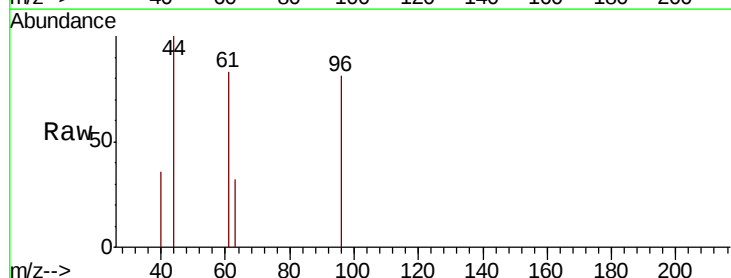
Tgt Ion: 96 Resp: 682

Ion Ratio Lower Upper

96 100

61 63.8 101.4 152.2#

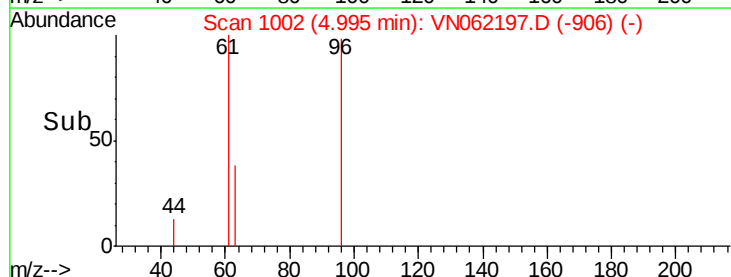
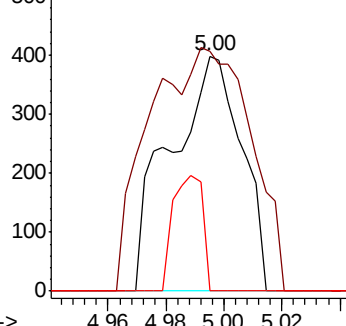
98 0.0 49.3 73.9#



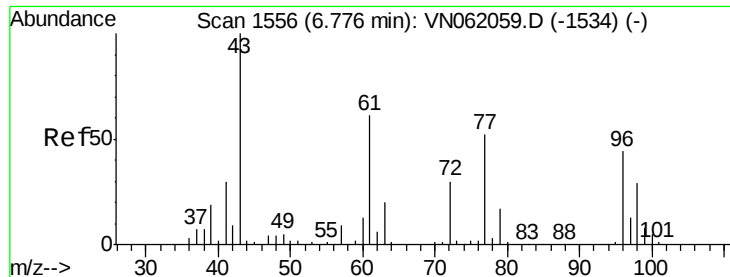
Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 78.263 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VN062197.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

BRP2-20200622DL

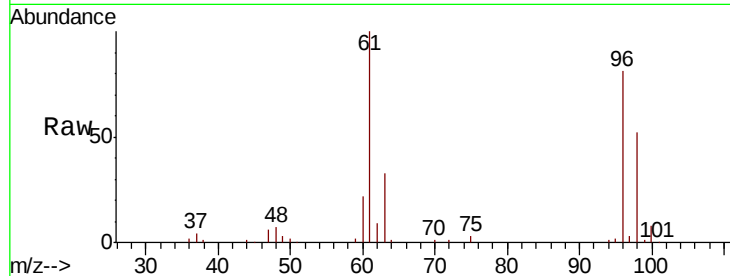
Tot Ion: 96 Resp: 225274

Ion Ratio Lower Upper

96 100

61 122.5 0.0 280.4

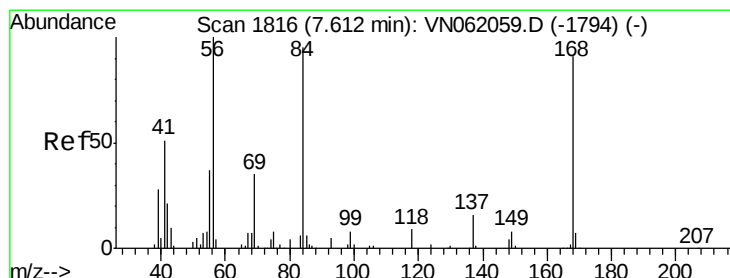
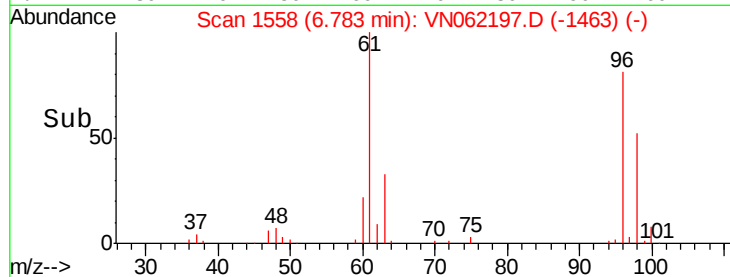
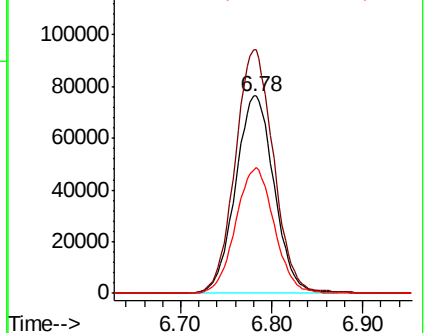
98 63.3 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062197.D (-1723) (-)

Ion 60.90 (60.60 to 61.60): VN062197.D (-1723) (-)

Ion 97.90 (97.60 to 98.60): VN062197.D (-1723) (-)



#31

Cyclohexane

Concen: 1.235 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062197.D

Acq: 29 Jun 2020 18:55

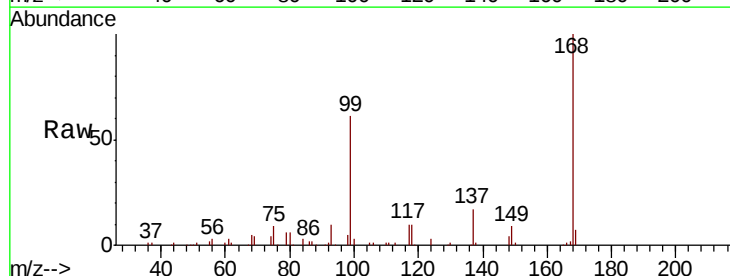
Tgt Ion: 56 Resp: 4684

Ion Ratio Lower Upper

56 100

69 135.8 28.0 42.0#

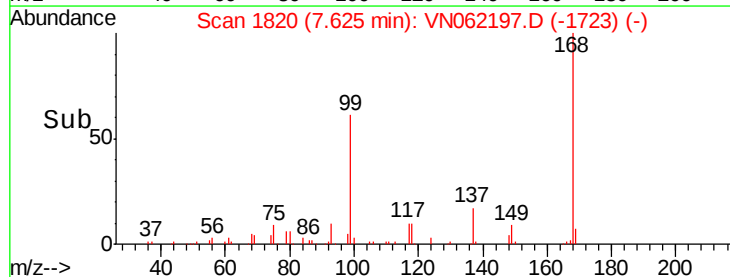
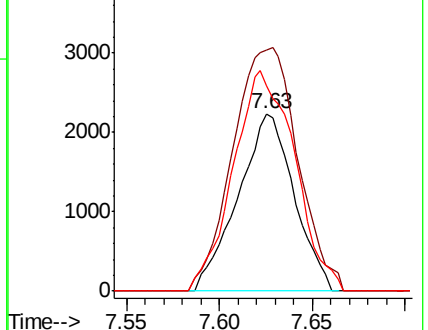
84 115.8 76.1 114.1#

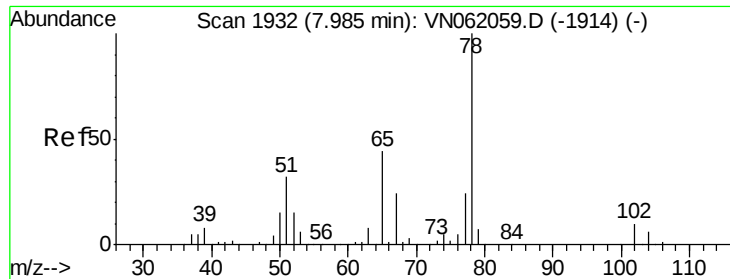


Abundance Ion 56.00 (55.70 to 56.70): VN062197.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062197.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062197.D (-1723) (-)

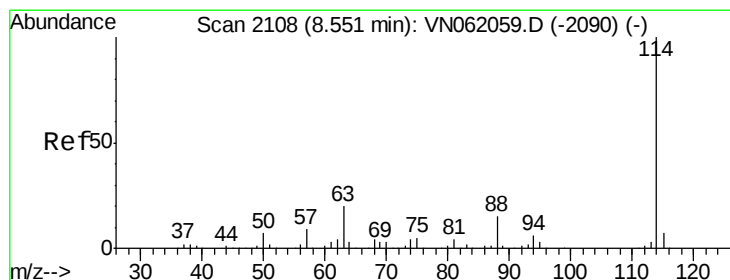
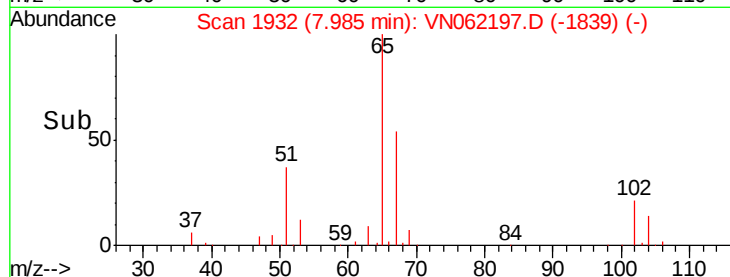
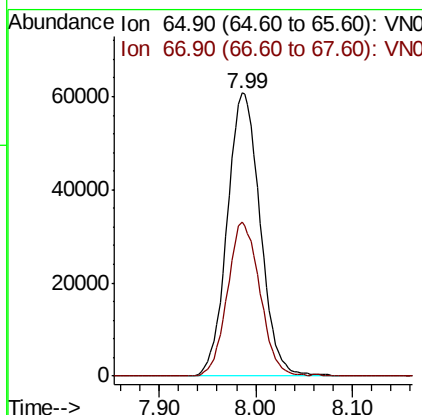
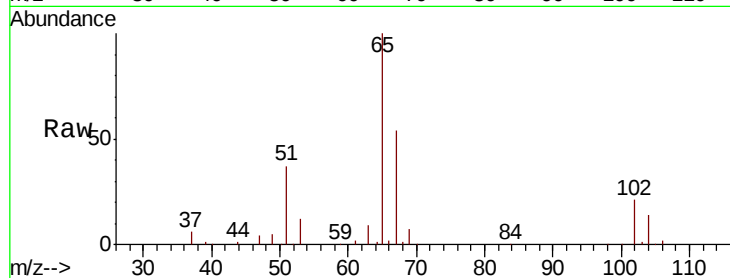




#33
 1,2-Dichloroethane-d4
 Concen: 52.463 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062197.D
 Acq: 29 Jun 2020 18:55

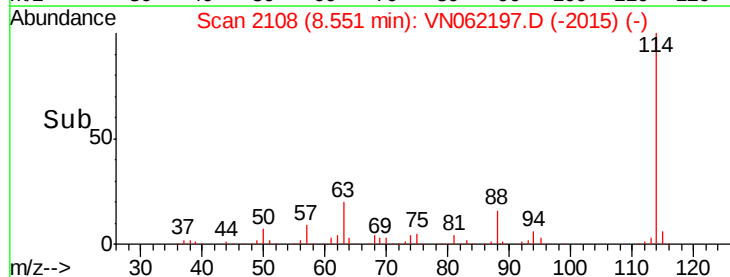
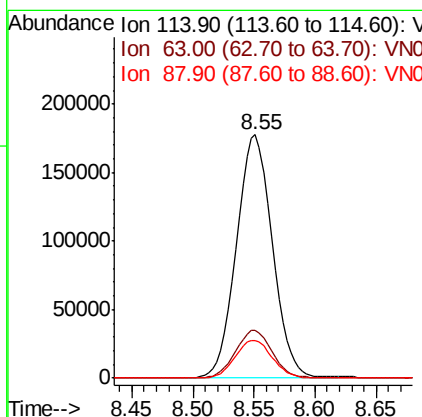
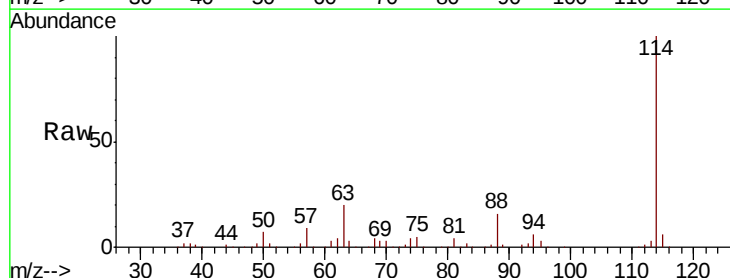
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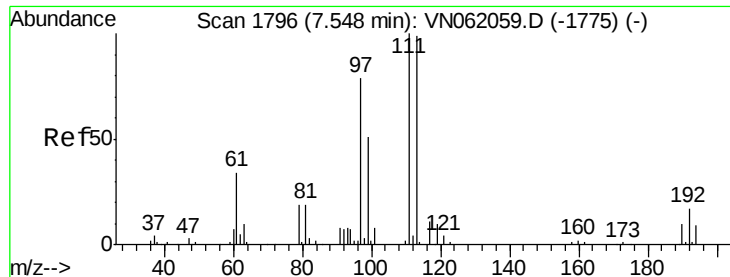
Tot Ion: 65 Resp: 143974
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062197.D
 Acq: 29 Jun 2020 18:55

Tgt Ion: 114 Resp: 362407
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.2
 88 15.6 0.0 30.8

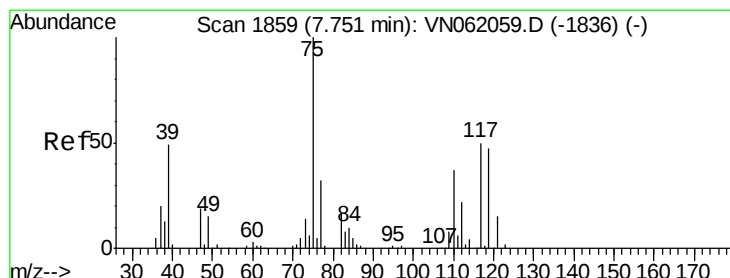
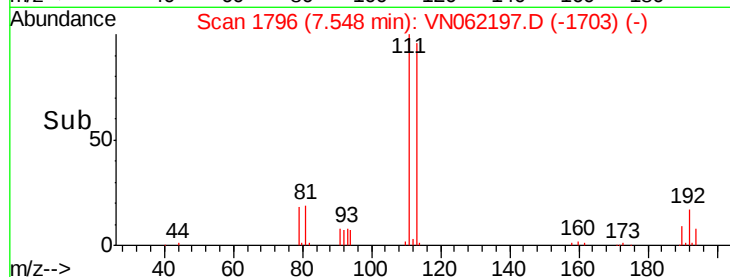
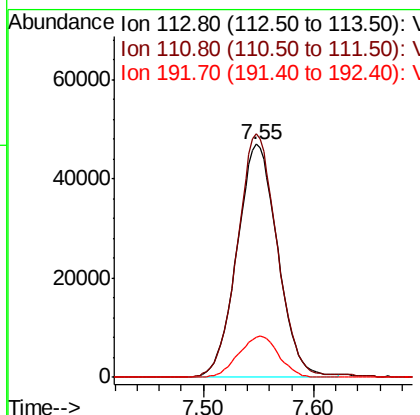
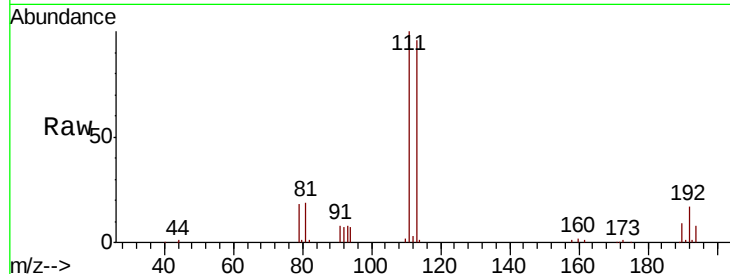




#35
 Dibromofluoromethane
 Concen: 51.655 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062197.D
 Acq: 29 Jun 2020 18:55

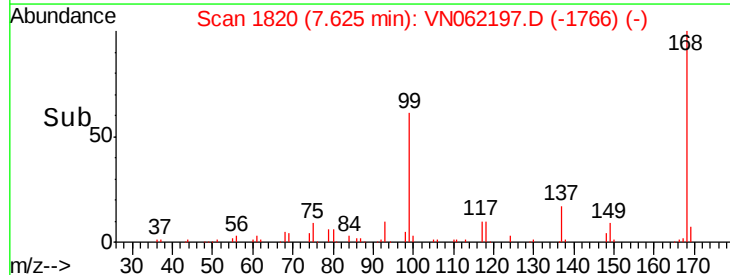
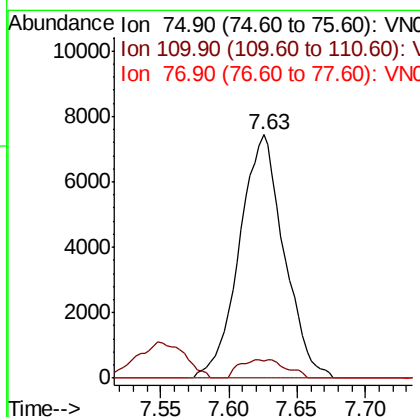
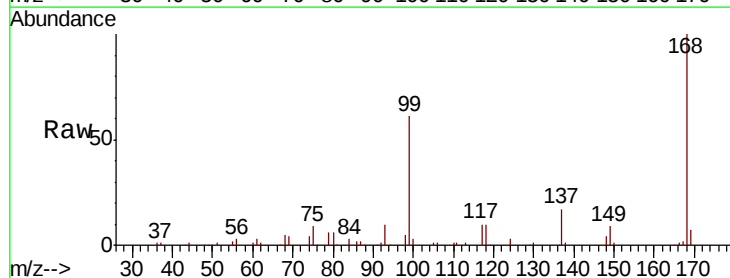
Instrument :
 MSVOA_N
 ClientSampleId :
 BRP2-20200622DL

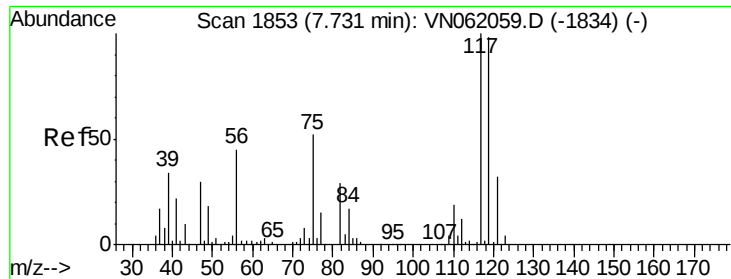
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	17.4	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.639 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062197.D
 Acq: 29 Jun 2020 18:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.2	17.9	53.8#
77	0.0	24.9	37.3#

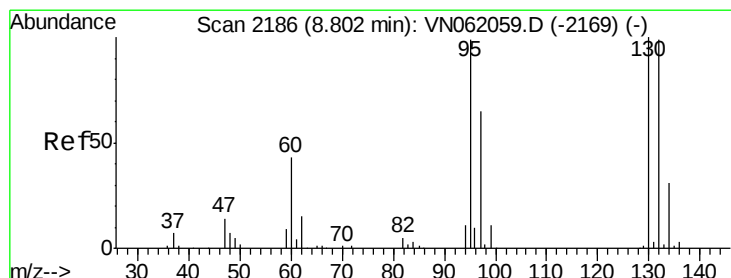
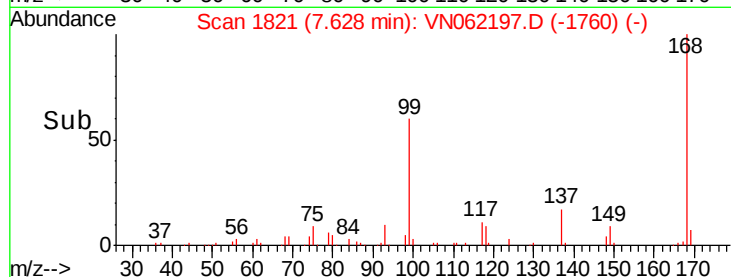
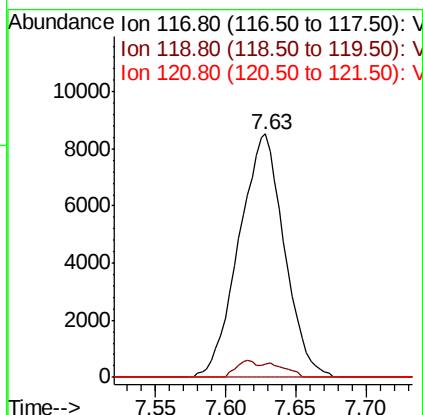
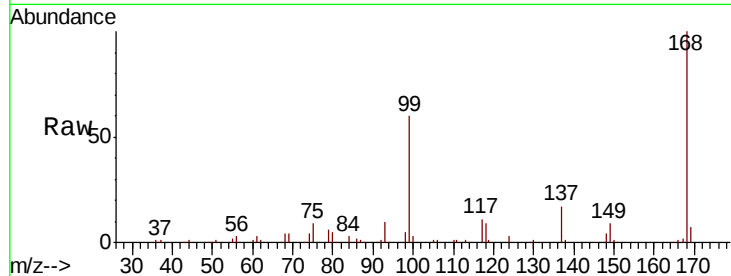




#38
Carbon Tetrachloride
Concen: 5.577 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.10 min
Lab File: VN062197.D
Acq: 29 Jun 2020 18:55

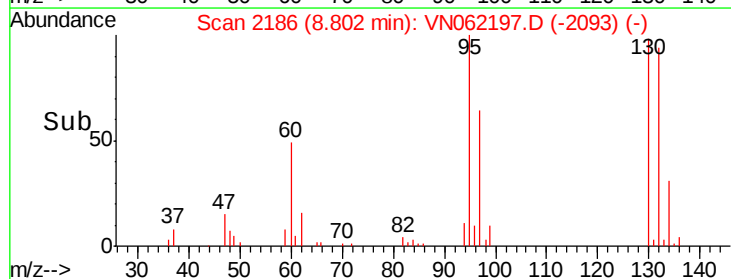
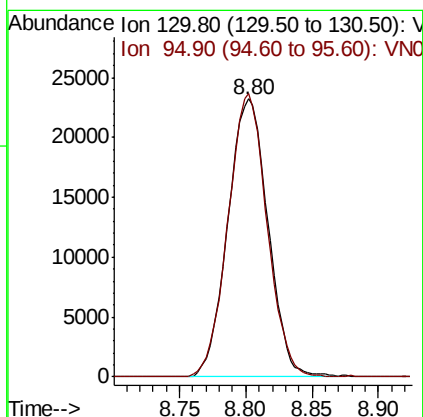
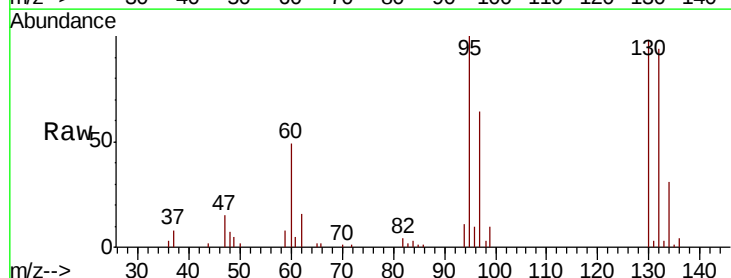
Instrument :
MSVOA_N
ClientSampleId :
BRP2-20200622DL

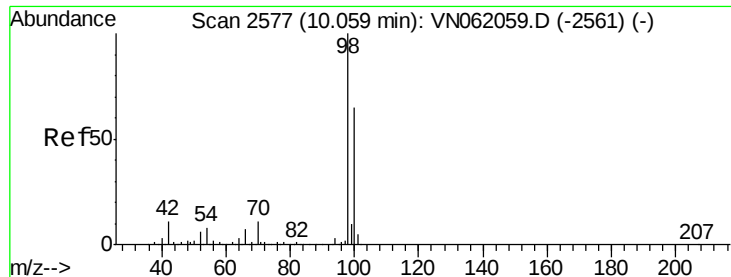
Tot Ion:117 Resp: 19153
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 25.8 38.6#



#44
Trichloroethene
Concen: 17.436 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062197.D
Acq: 29 Jun 2020 18:55

Tgt Ion:130 Resp: 48835
Ion Ratio Lower Upper
130 100
95 101.8 0.0 197.8

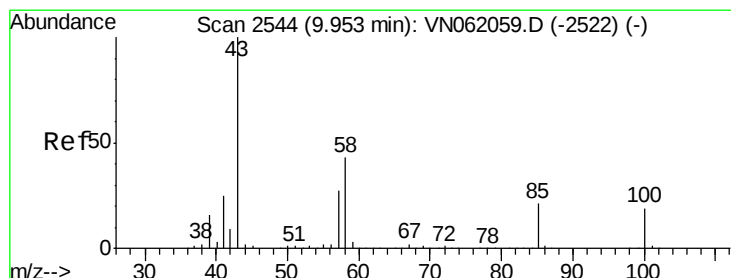
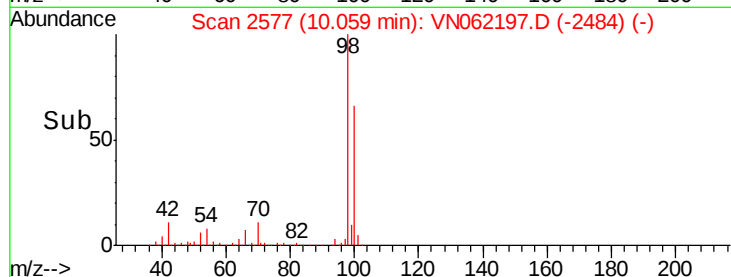
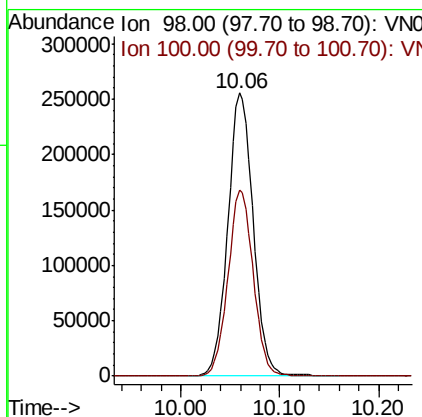
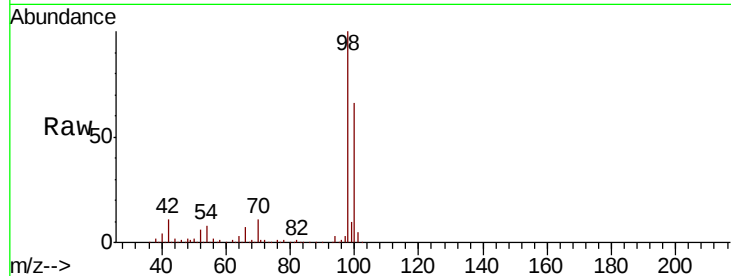




#50
Toluene-d8
Concen: 49.608 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062197.D
Acq: 29 Jun 2020 18:55

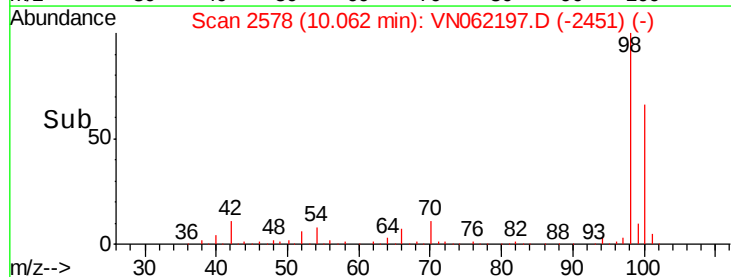
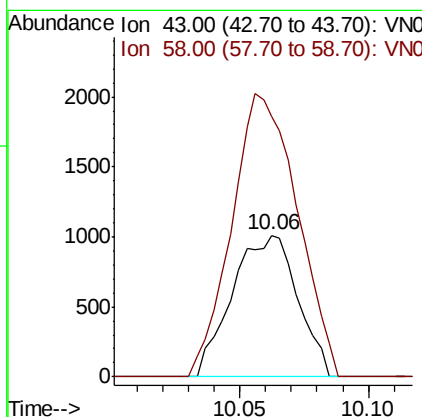
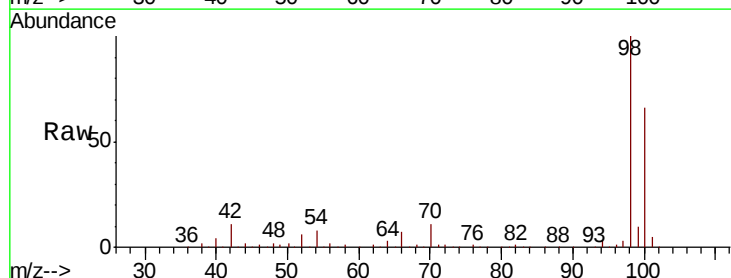
Instrument :
MSVOA_N
ClientSampleId :
BRP2-20200622DL

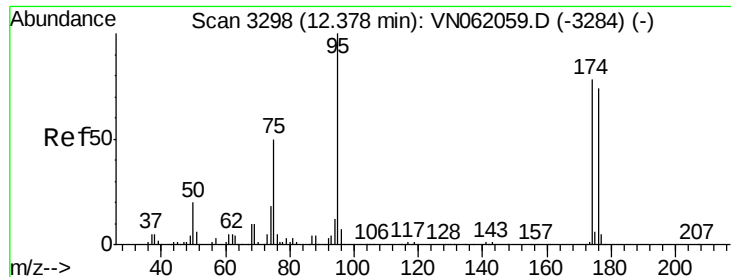
Tot Ion: 98 Resp: 461050
Ion Ratio Lower Upper
98 100
100 65.1 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.621 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.11 min
Lab File: VN062197.D
Acq: 29 Jun 2020 18:55

Tgt Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
58 200.9 34.2 51.2#

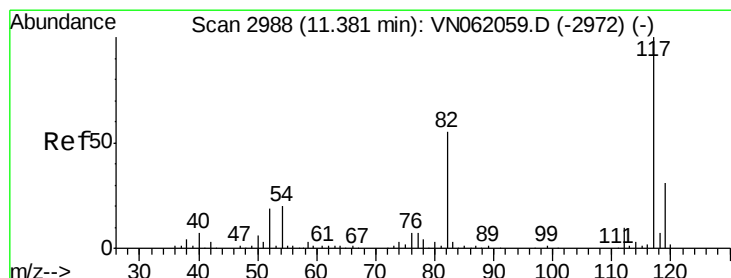
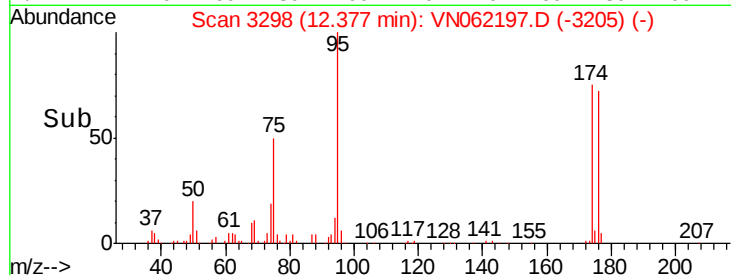
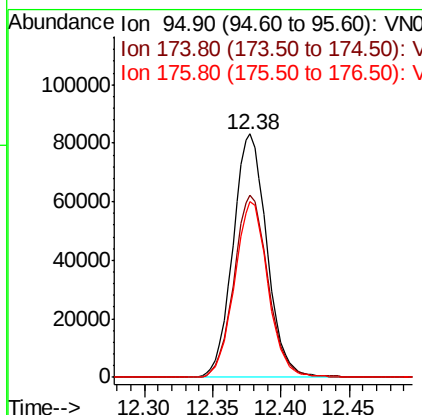
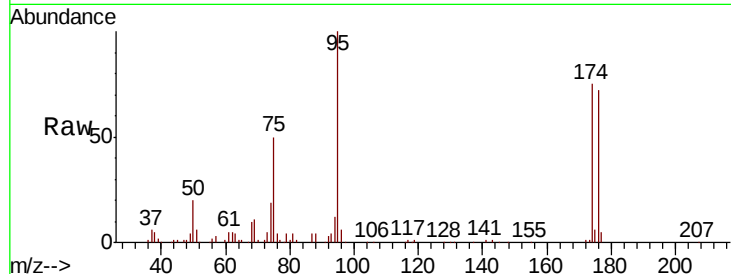




#62
4-Bromofluorobenzene
Concen: 45.654 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062197.D
Acq: 29 Jun 2020 18:55

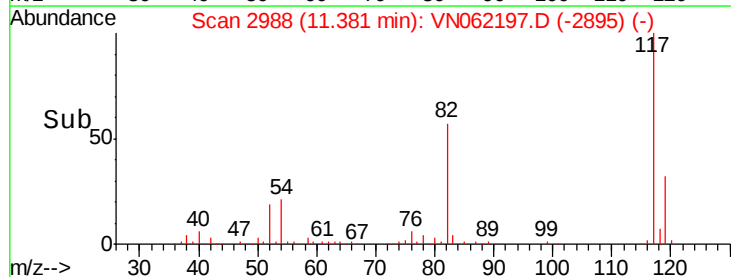
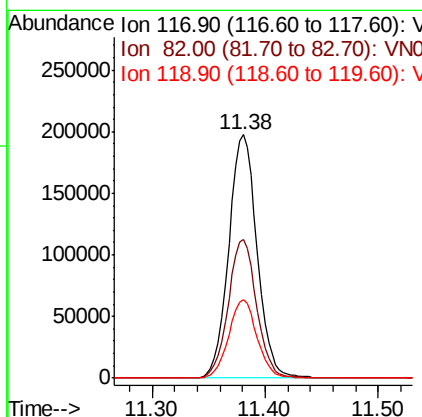
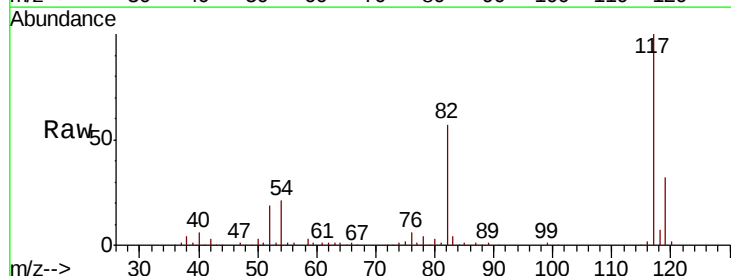
Instrument :
MSVOA_N
ClientSampleId :
BRP2-20200622DL

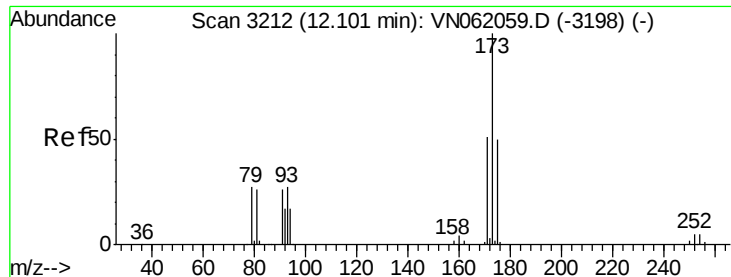
Tot Ion: 95 Resp: 143355
Ion Ratio Lower Upper
95 100
174 75.7 0.0 154.8
176 71.4 0.0 147.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062197.D
Acq: 29 Jun 2020 18:55

Tgt Ion: 117 Resp: 343814
Ion Ratio Lower Upper
117 100
82 56.7 43.8 65.8
119 32.3 25.2 37.8





#71

Bromoform

Concen: 0.457 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062197.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

BRP2-20200622DL

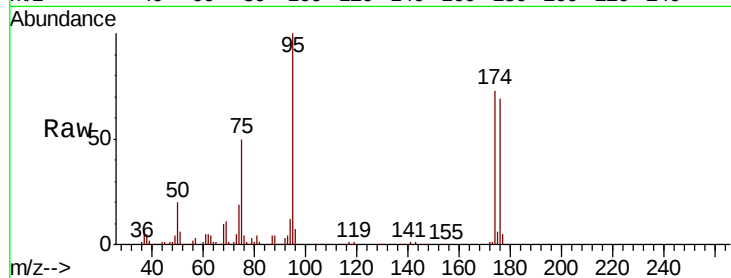
Tot Ion:173 Resp: 848

Ion Ratio Lower Upper

173 100

175 769.6 24.7 74.1#

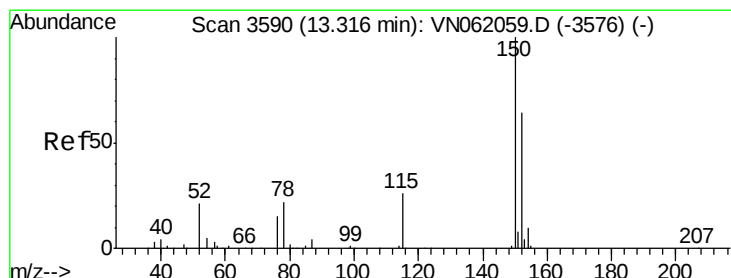
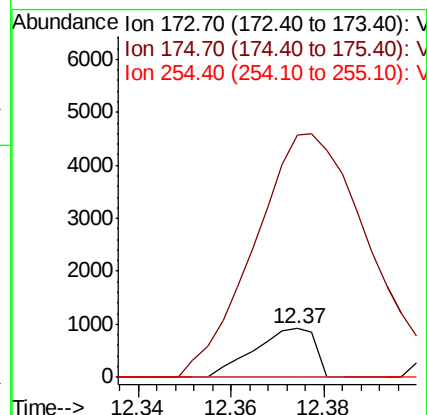
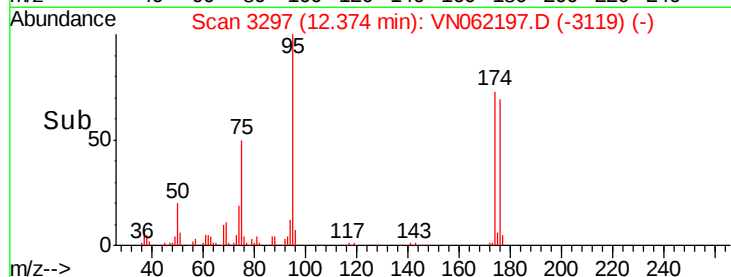
254 0.0 0.0 0.0



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: VN062197.D

Acq: 29 Jun 2020 18:55

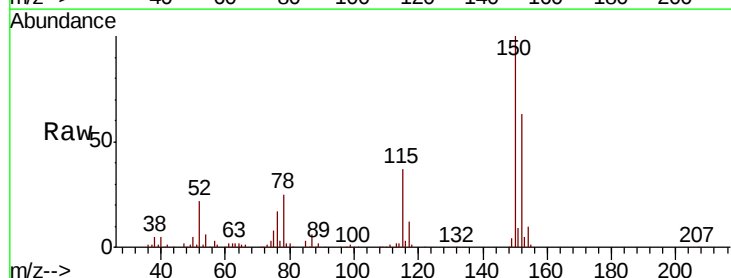
Tgt Ion:152 Resp: 120656

Ion Ratio Lower Upper

152 100

115 60.0 29.5 88.5

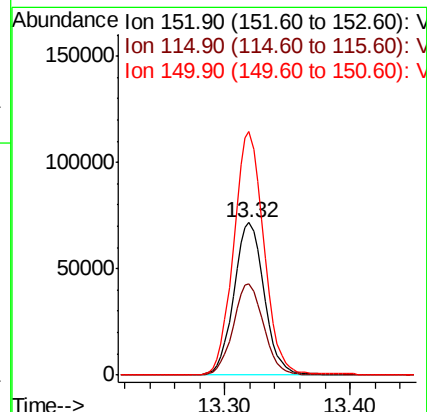
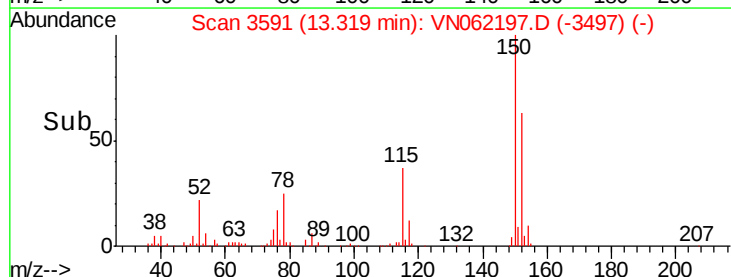
150 158.9 0.0 351.4

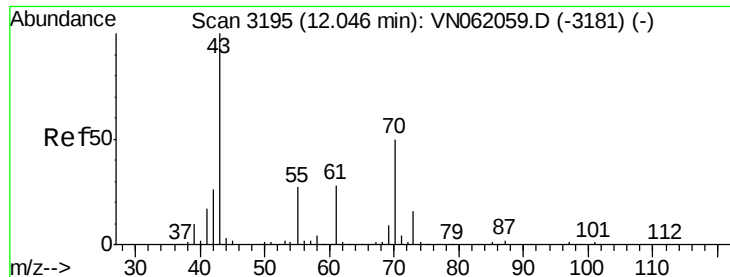


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.352 ug/l

RT: 11.91 min Scan# 3152

Delta R.T. -0.14 min

Lab File: VN062197.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

BRP2-20200622DL

Tot Ion: 43 Resp: 31

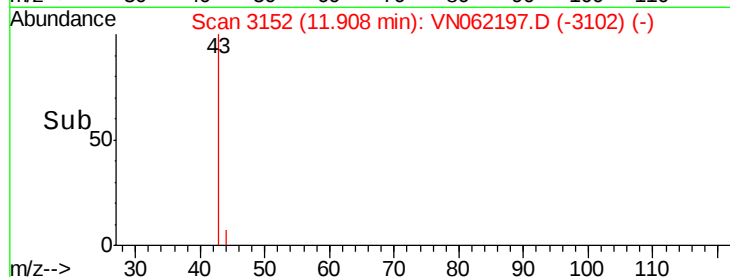
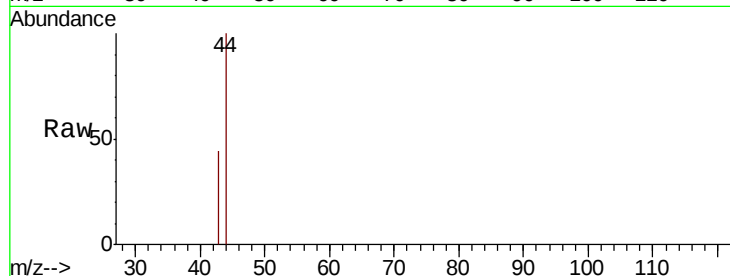
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

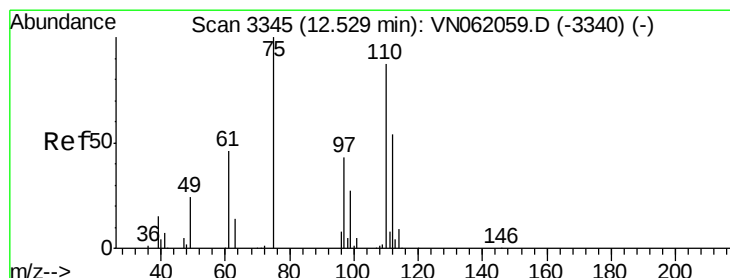
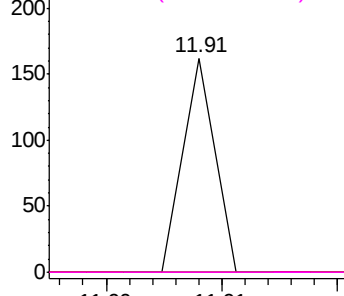


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 25.610 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062197.D

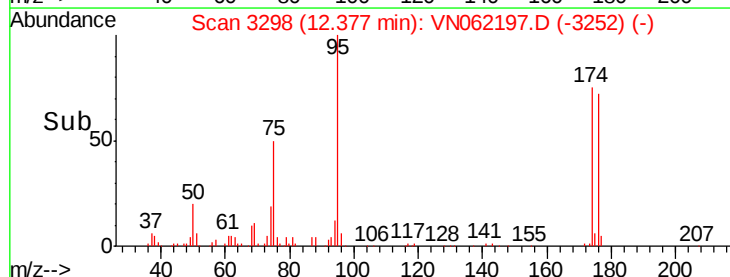
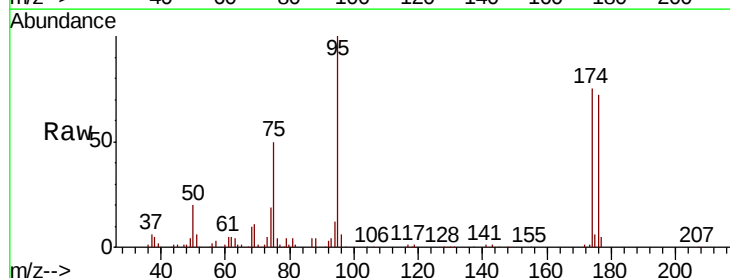
Acq: 29 Jun 2020 18:55

Tgt Ion: 75 Resp: 72740

Ion Ratio Lower Upper

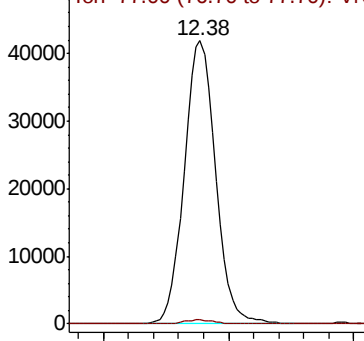
75 100

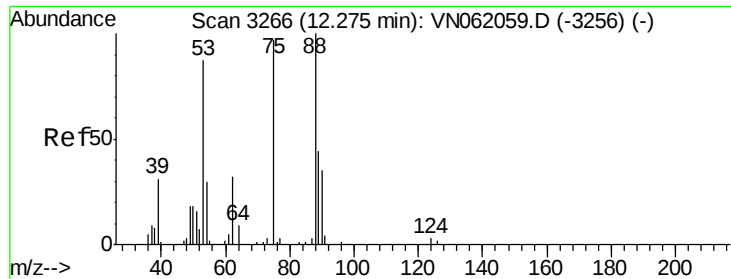
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 74.790 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062197.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

BRP2-20200622DL

Tot Ion: 75 Resp: 72740

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#

