

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062192.D
 Acq On : 29 Jun 2020 16:54
 Operator : JC/MD
 Sample : L3127-11DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 04BR-20200625DL

Quant Time: Jun 30 04:27:28 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

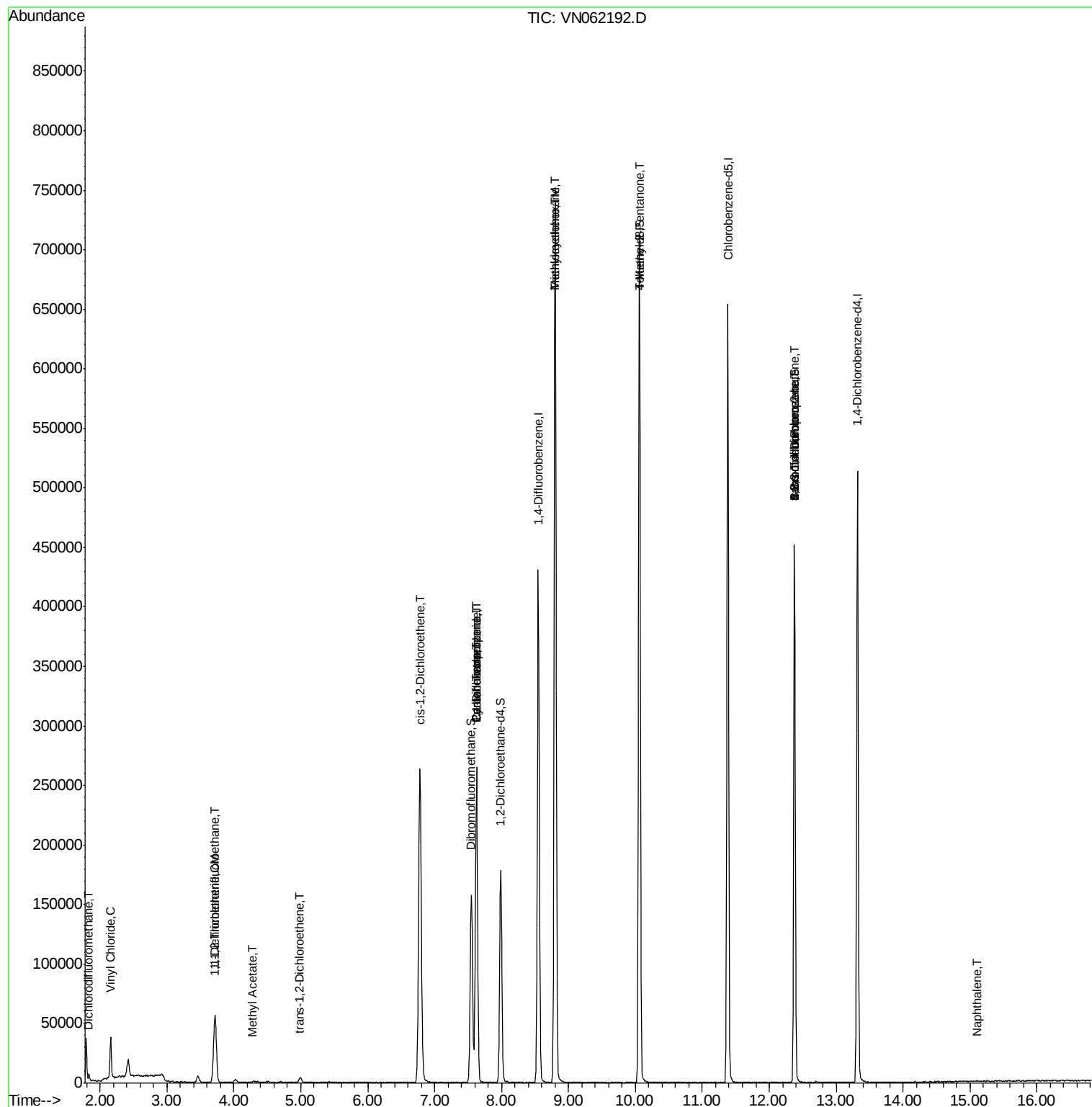
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	206908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	389087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	374574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	137358	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	150656	51.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.78%	
35) Dibromofluoromethane	7.55	113	124634	49.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.86%	
50) Toluene-d8	10.06	98	493622	49.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.38	95	159729	47.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	4362	1.865	ug/l	96
3) Chloromethane	2.03	50	372	Below Cal	#	41
4) Vinyl Chloride	2.16	62	29004	7.875	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	36476	15.348	ug/l	97
12) 1,1-Dichloroethene	3.70	96	2496	1.051	ug/l	95
16) Acetone	3.78	43	735	Below Cal	#	40
18) Methyl Acetate	4.29	43	588	0.255	ug/l #	46
20) Methylene Chloride	4.49	84	556	Below Cal	#	72
21) trans-1,2-Dichloroethene	4.99	96	2582	0.954	ug/l	95
27) cis-1,2-Dichloroethene	6.78	96	176459	57.940	ug/l	91
31) Cyclohexane	7.63	56	4834	1.205	ug/l #	8
36) 1,1-Dichloropropene	7.62	75	17179	4.393	ug/l #	49
38) Carbon Tetrachloride	7.63	117	21451	5.818	ug/l #	15
39) Methylcyclohexane	8.80	83	3109	0.726	ug/l #	1
44) Trichloroethene	8.80	130	273048	90.806	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1962	0.636	ug/l #	1
71) Bromoform	12.38	173	1430	0.707	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	81056	25.067	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	81056	73.206	ug/l #	13
95) Naphthalene	15.11	128	29	3.999	ug/l #	69

(#) = 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: VN062192.D

Acq: 29 Jun 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

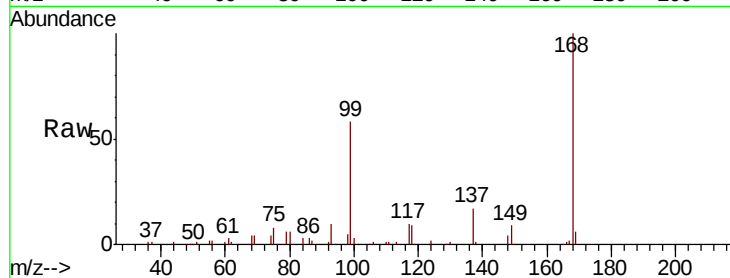
04BR-20200625DL

Tot Ion:168 Resp: 206908

Ion Ratio Lower Upper

168 100

99 58.4 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

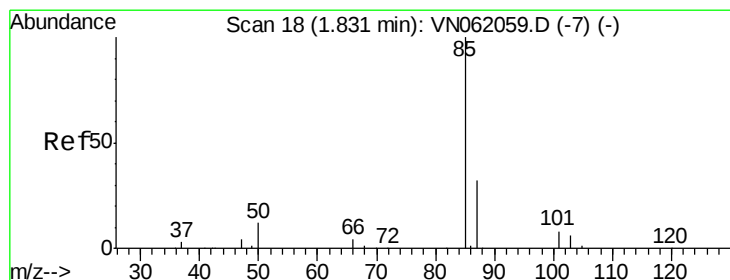
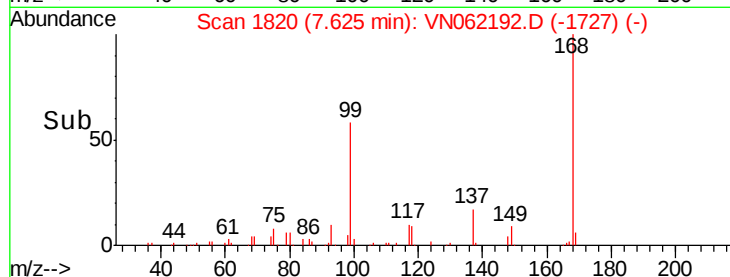
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 1.865 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062192.D

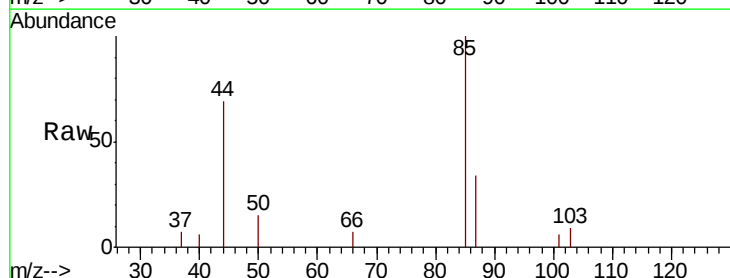
Acq: 29 Jun 2020 16:54

Tgt Ion: 85 Resp: 4362

Ion Ratio Lower Upper

85 100

87 34.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

4000

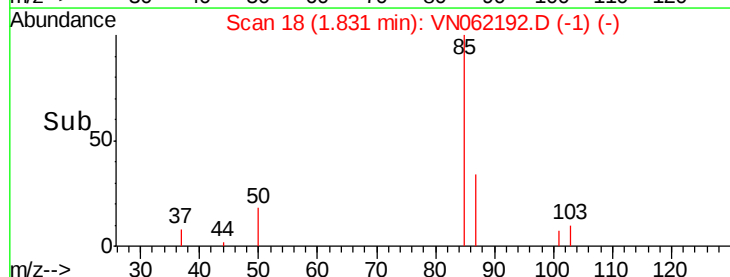
3000

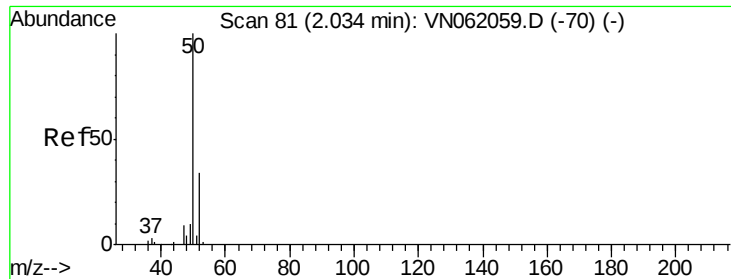
2000

1000

0

Time--> 1.80 1.82 1.84 1.86 1.88





#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062192.D

Acq: 29 Jun 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

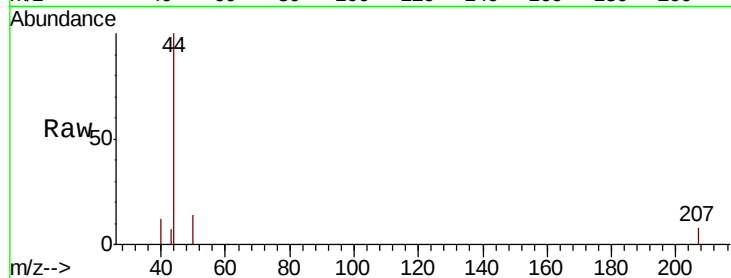
04BR-20200625DL

Tot Ion: 50 Resp: 372

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

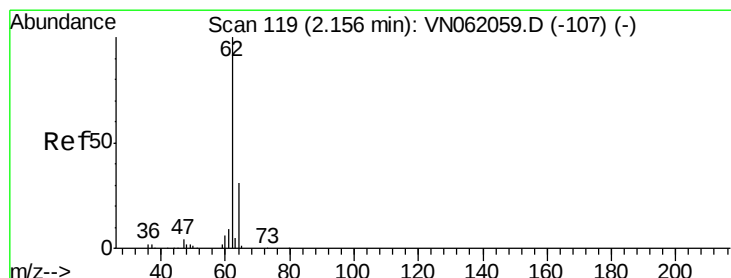
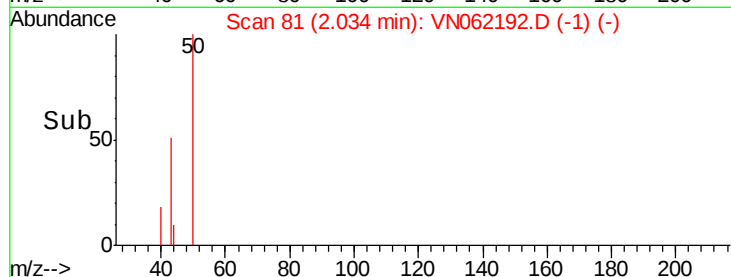
300

200

100

0

Time-->



#4

Vinyl Chloride

Concen: 7.875 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062192.D

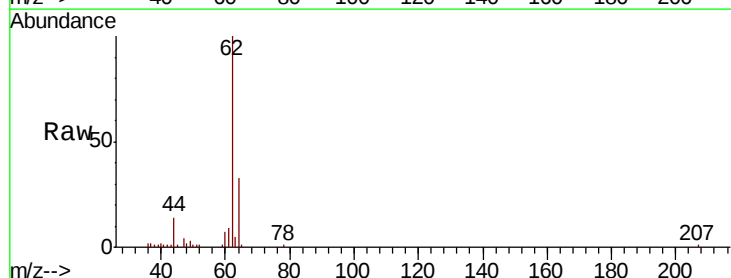
Acq: 29 Jun 2020 16:54

Tgt Ion: 62 Resp: 29004

Ion Ratio Lower Upper

62 100

64 32.9 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

20000

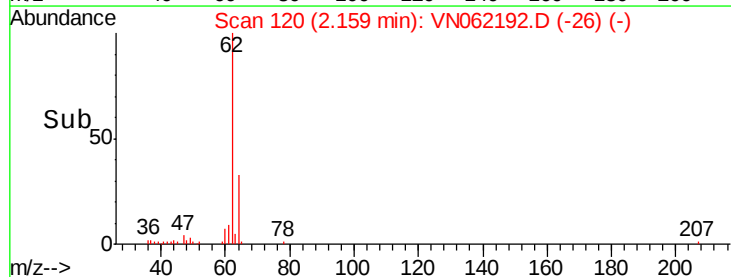
15000

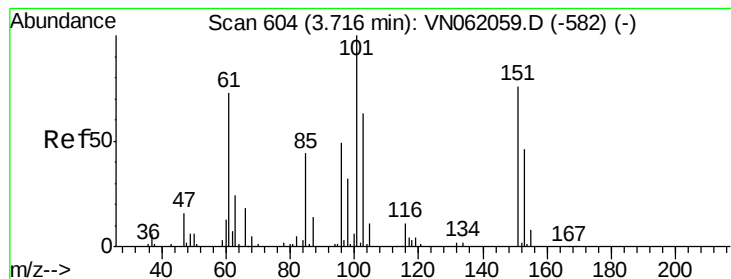
10000

5000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.348 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062192.D

Acq: 29 Jun 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

04BR-20200625DL

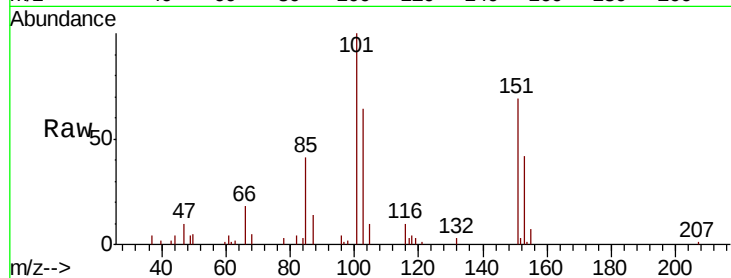
Tot Ion:101 Resp: 36476

Ion Ratio Lower Upper

101 100

85 42.1 34.5 51.7

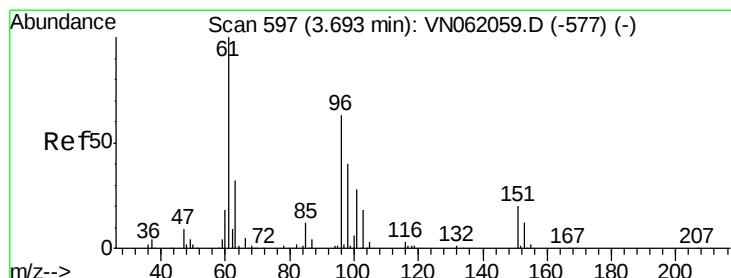
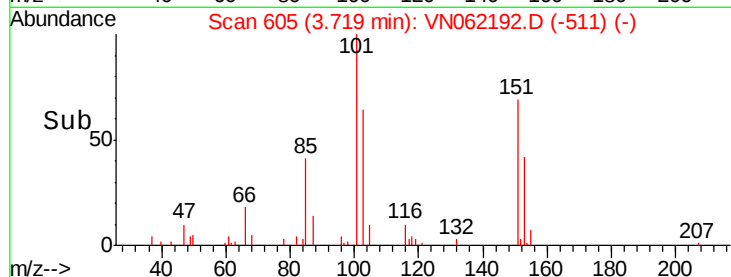
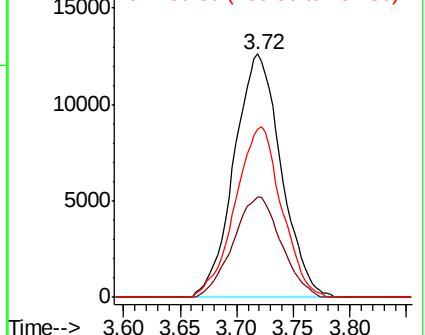
151 69.2 57.8 86.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 1.051 ug/l

RT: 3.70 min Scan# 599

Delta R.T. 0.01 min

Lab File: VN062192.D

Acq: 29 Jun 2020 16:54

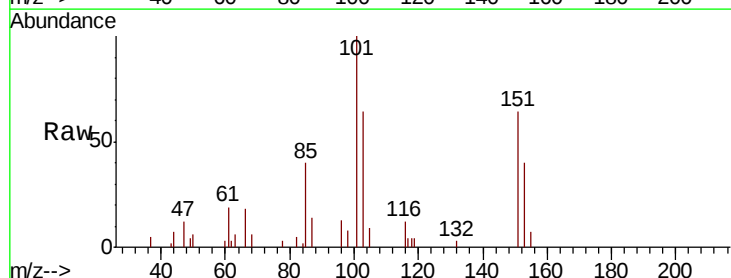
Tgt Ion: 96 Resp: 2496

Ion Ratio Lower Upper

96 100

61 150.3 126.7 190.1

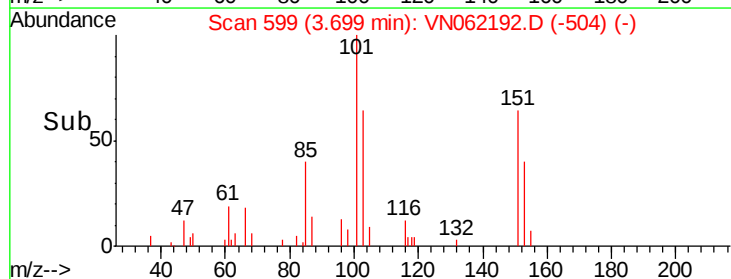
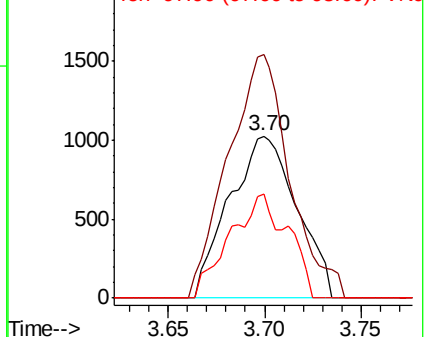
98 64.4 51.0 76.4

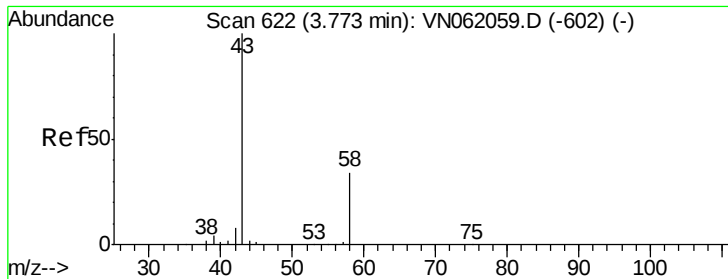


Abundance Ion 95.90 (95.60 to 96.60): VN

Ion 60.90 (60.60 to 61.60): VN

Ion 97.90 (97.60 to 98.60): VN

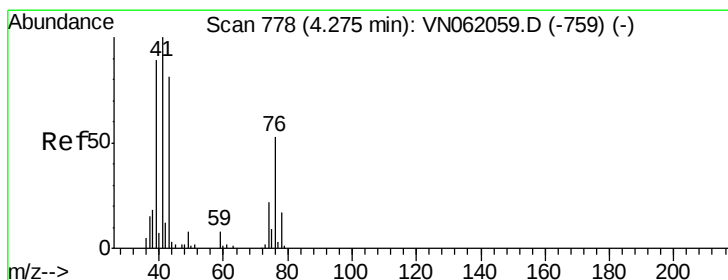
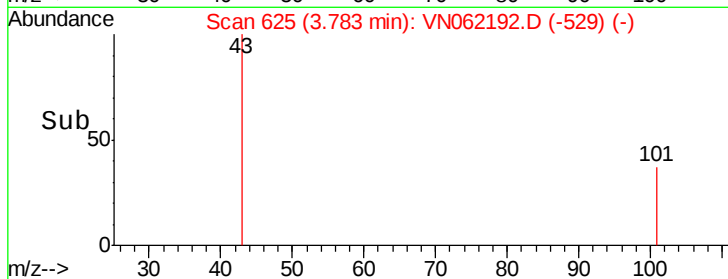
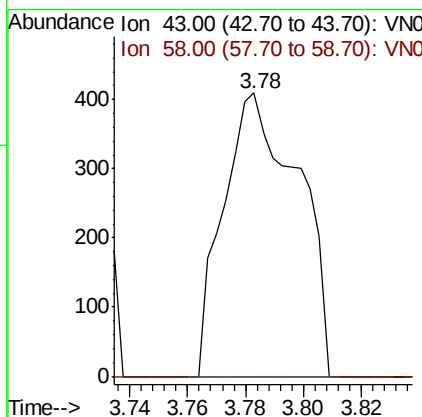
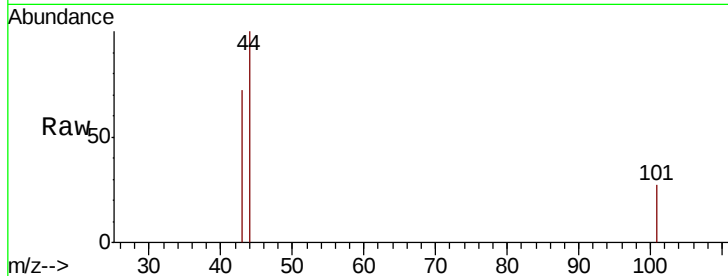




#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN062192.D
Acq: 29 Jun 2020 16:54

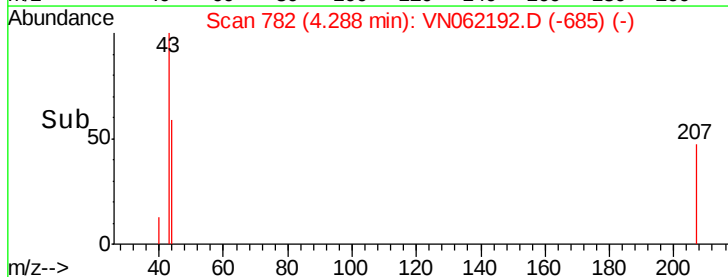
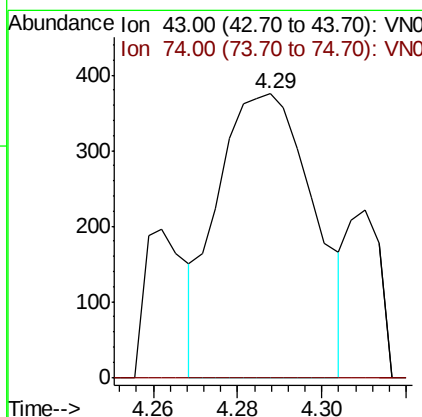
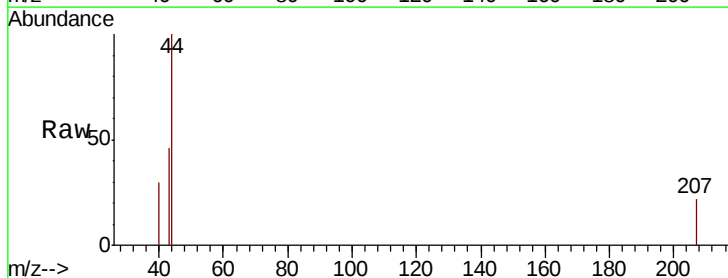
Instrument :
MSVOA_N
ClientSampleId :
04BR-20200625DL

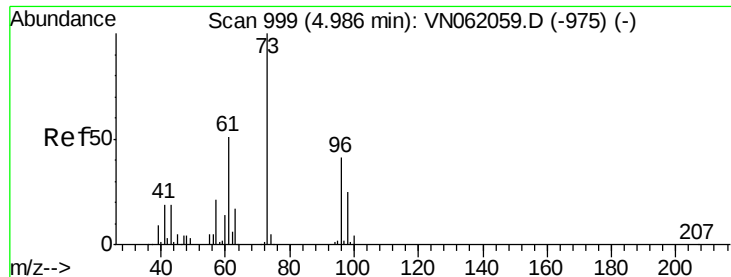
Tot Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#18
Methyl Acetate
Concen: 0.255 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062192.D
Acq: 29 Jun 2020 16:54

Tgt Ion: 43 Resp: 588
Ion Ratio Lower Upper
43 100
74 0.0 22.9 34.3#





#21

trans-1,2-Dichloroethene

Concen: 0.954 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN062192.D

Acq: 29 Jun 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

04BR-20200625DL

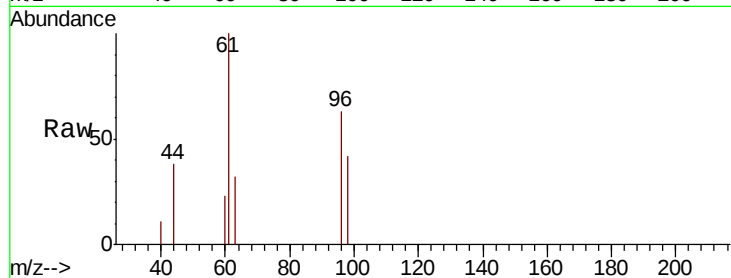
Tot Ion: 96 Resp: 2582

Ion Ratio Lower Upper

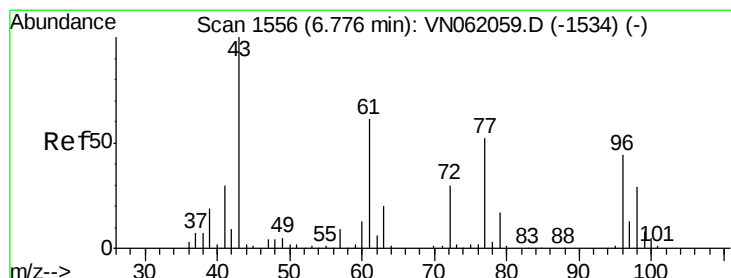
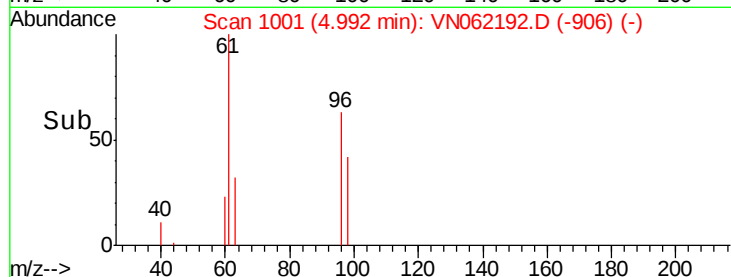
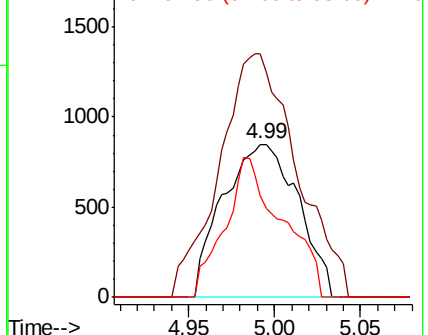
96 100

61 132.0 101.4 152.2

98 66.7 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



#27

cis-1,2-Dichloroethene

Concen: 57.940 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062192.D

Acq: 29 Jun 2020 16:54

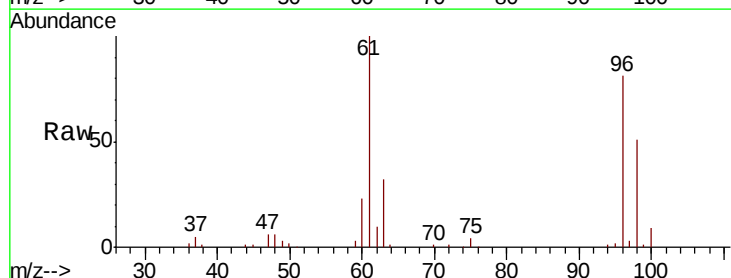
Tgt Ion: 96 Resp: 176459

Ion Ratio Lower Upper

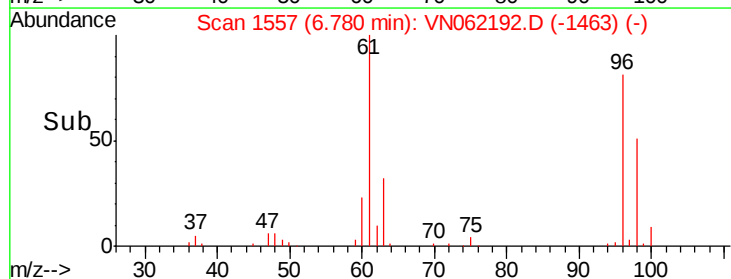
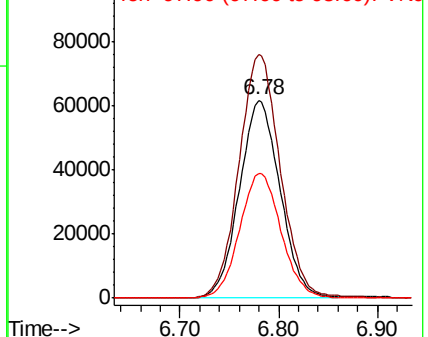
96 100

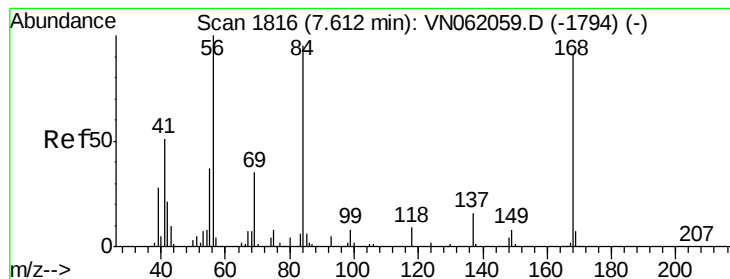
61 125.2 0.0 280.4

98 64.2 0.0 129.4



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





#31

Cyclohexane

Concen: 1.205 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062192.D

Acq: 29 Jun 2020 16:54

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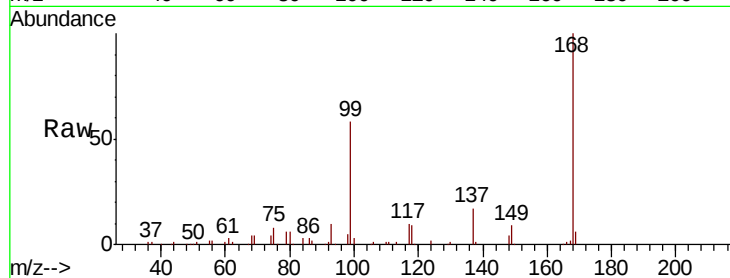
Tot Ion: 56 Resp: 4834

Ion Ratio Lower Upper

56 100

69 157.9 28.0 42.0#

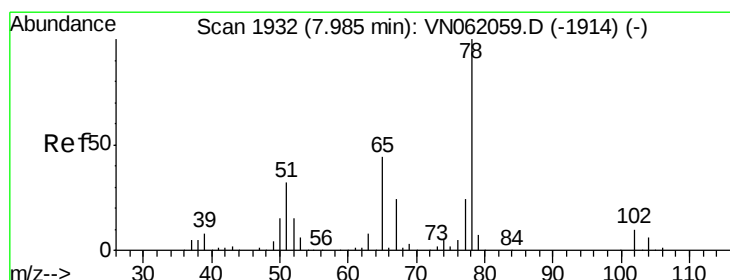
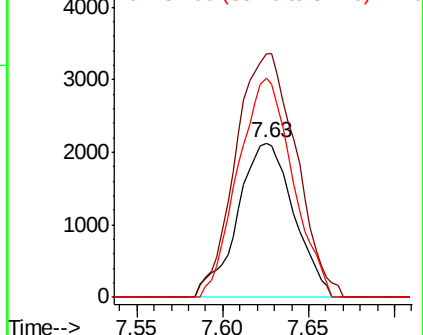
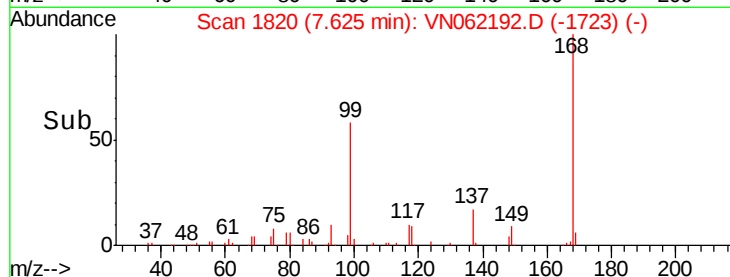
84 142.3 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062192.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062192.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062192.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.886 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062192.D

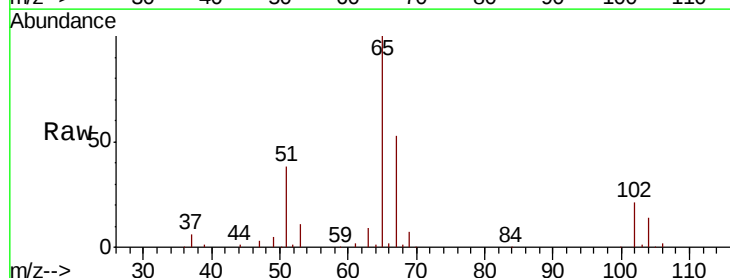
Acq: 29 Jun 2020 16:54

Tgt Ion: 65 Resp: 150656

Ion Ratio Lower Upper

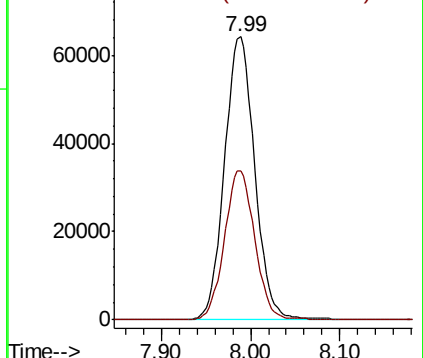
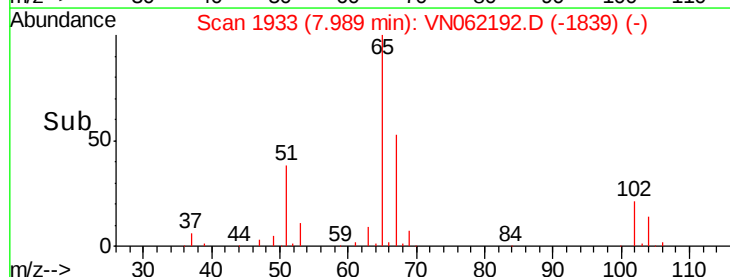
65 100

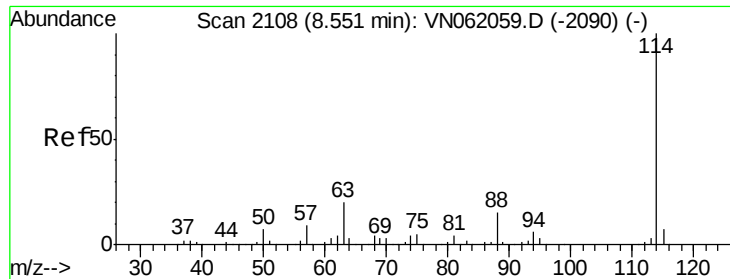
67 52.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062192.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062192.D (-1839) (-)

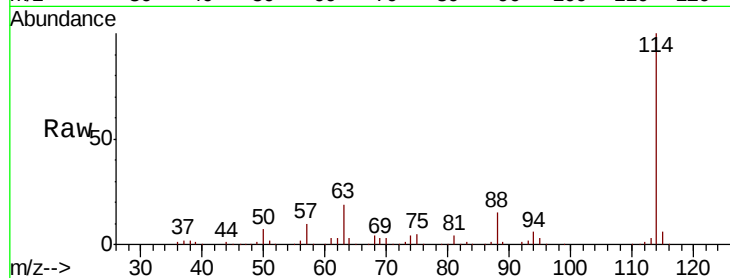




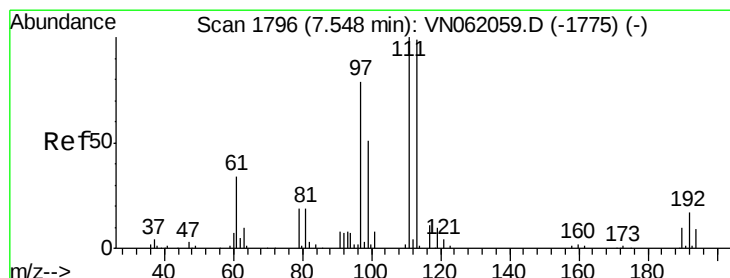
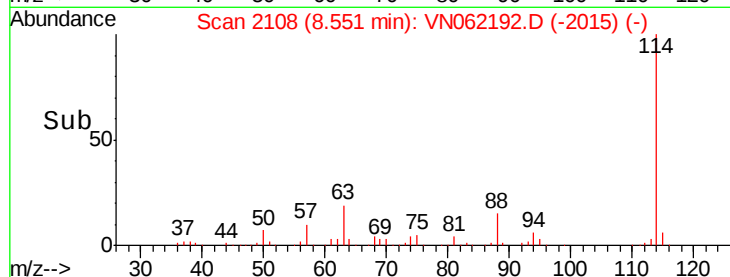
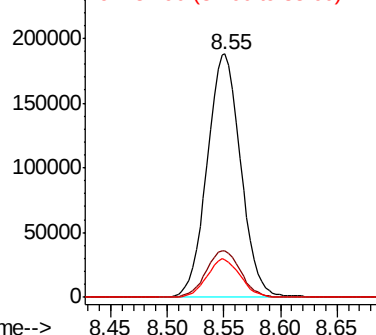
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN062192.D
Acq: 29 Jun 2020 16:54

Instrument :
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ClientSampleId :
04BR-20200625DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.2
88	15.5	0.0	30.8

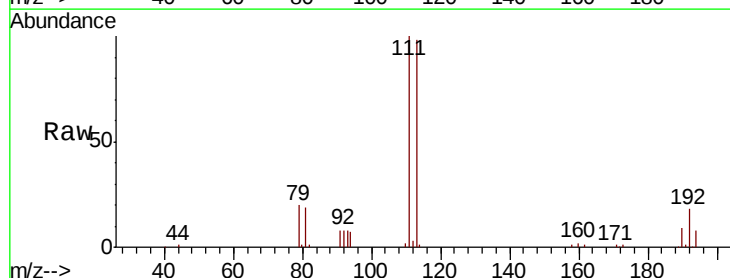


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

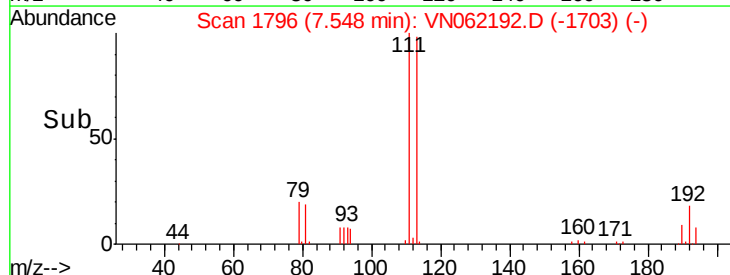
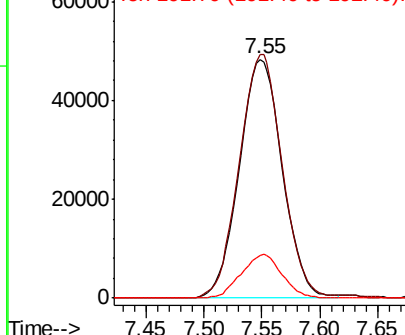


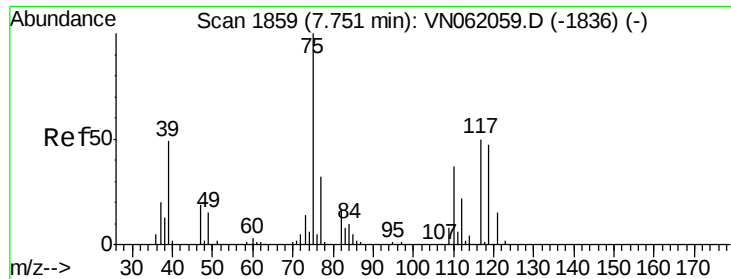
#35
Dibromofluoromethane
Concen: 49.930 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062192.D
Acq: 29 Jun 2020 16:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	17.3	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

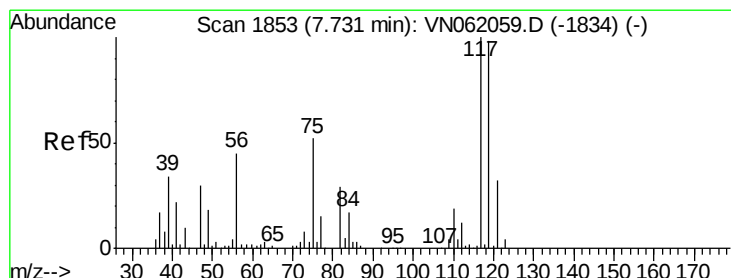
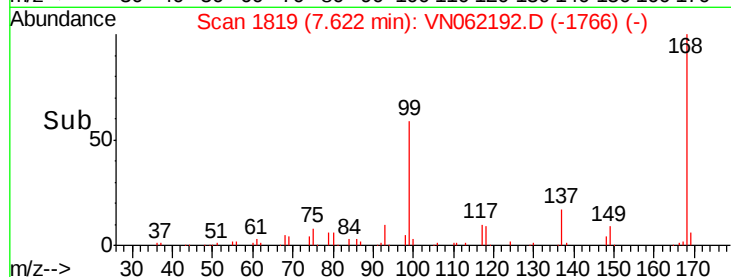
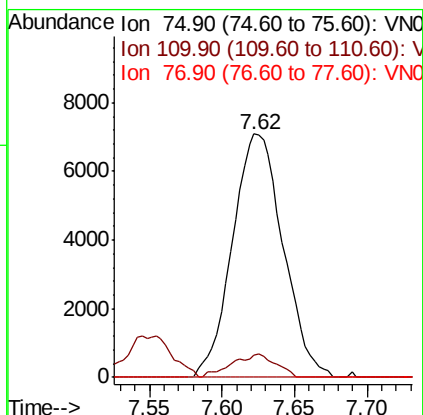
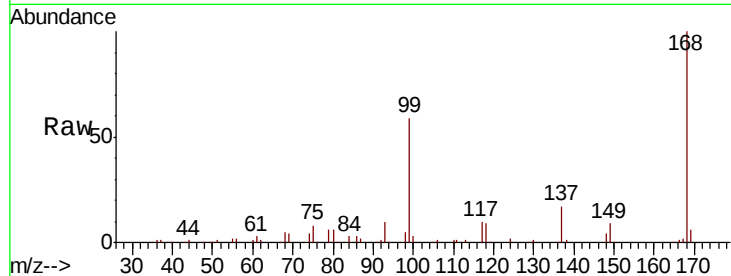




#36
 1,1-Dichloropropene
 Concen: 4.393 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062192.D
 Acq: 29 Jun 2020 16:54

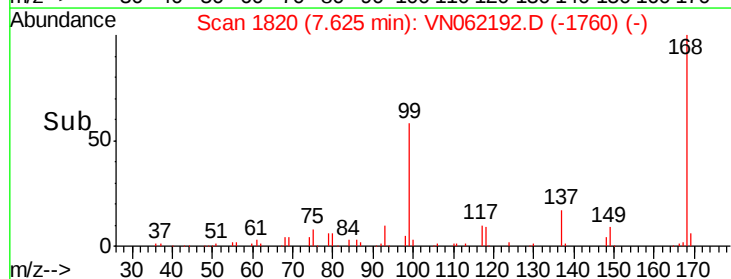
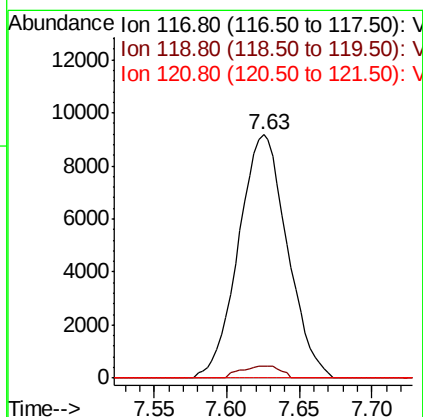
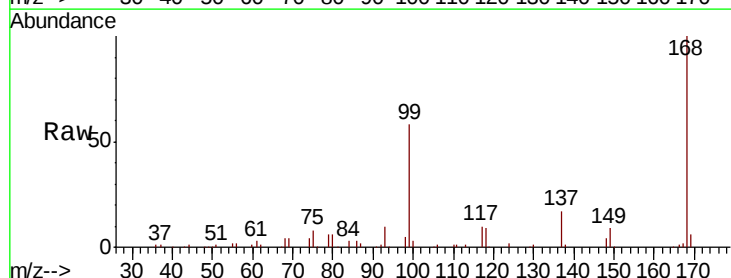
Instrument :
 MSVOA_N
 ClientSampleId :
 04BR-20200625DL

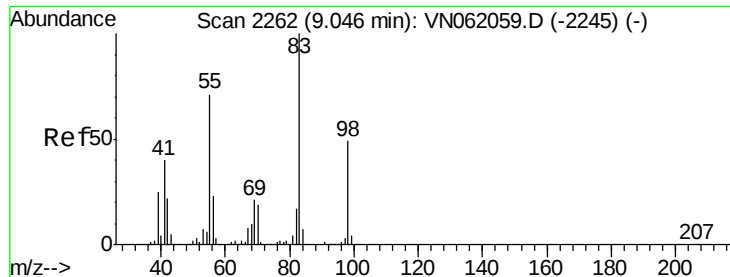
Tot Ion: 75 Resp: 17179
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.9 53.8#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.818 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062192.D
 Acq: 29 Jun 2020 16:54

Tgt Ion: 117 Resp: 21451
 Ion Ratio Lower Upper
 117 100
 119 4.7 78.2 117.2#
 121 0.0 25.8 38.6#

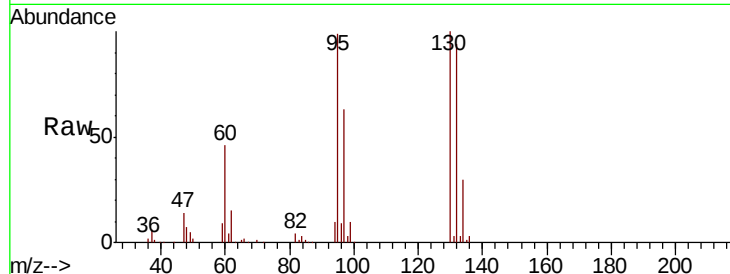




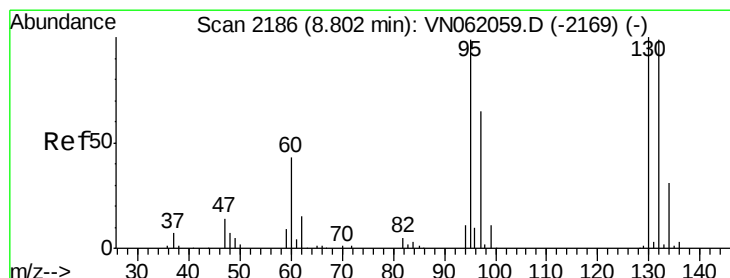
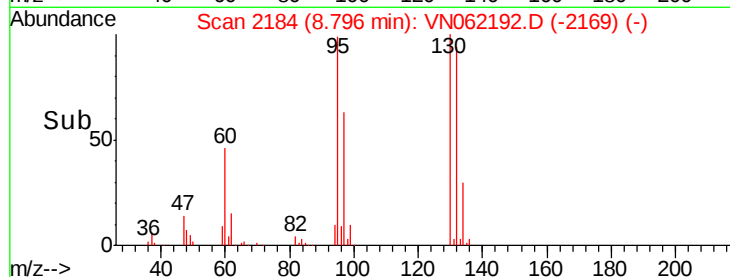
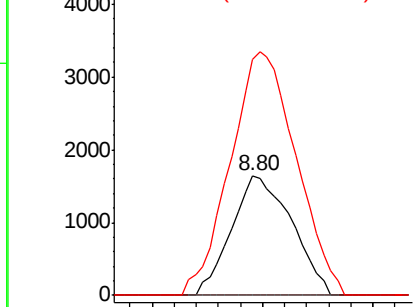
#39
Methylcyclohexane
Concen: 0.726 ug/l
RT: 8.80 min Scan# 2184
Delta R.T. -0.25 min
Lab File: VN062192.D
Acq: 29 Jun 2020 16:54

Instrument :
MSVOA_N
ClientSampleId :
04BR-20200625DL

Tot Ion: 83 Resp: 3109
Ion Ratio Lower Upper
83 100
55 0.0 57.0 85.6#
98 184.5 39.0 58.6#

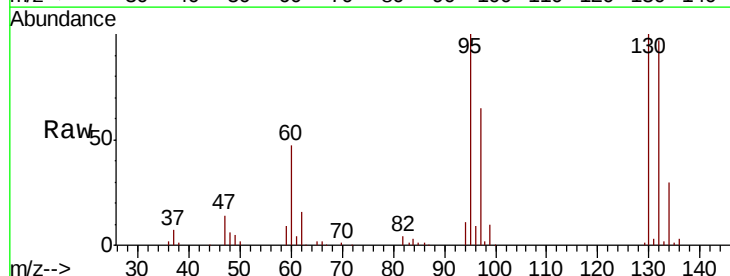


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

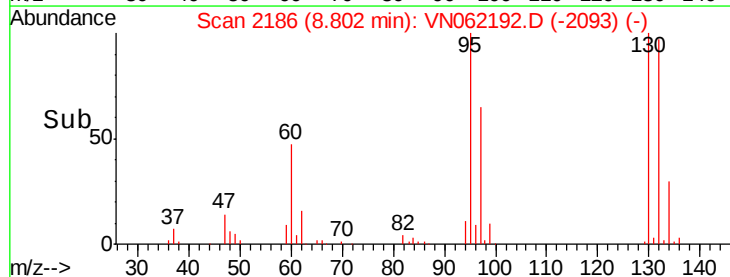
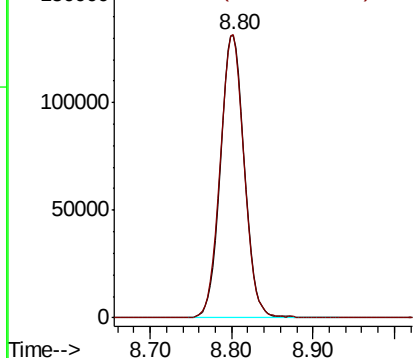


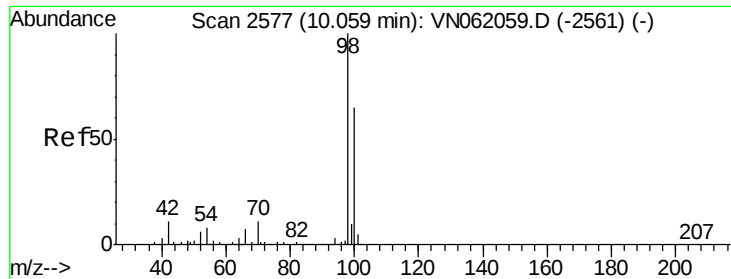
#44
Trichloroethene
Concen: 90.806 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062192.D
Acq: 29 Jun 2020 16:54

Tgt Ion:130 Resp: 273048
Ion Ratio Lower Upper
130 100
95 100.1 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: 49.471 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062192.D

Acq: 29 Jun 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

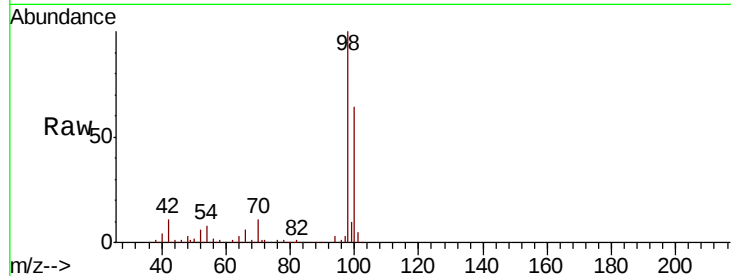
04BR-20200625DL

Tot Ion: 98 Resp: 493622

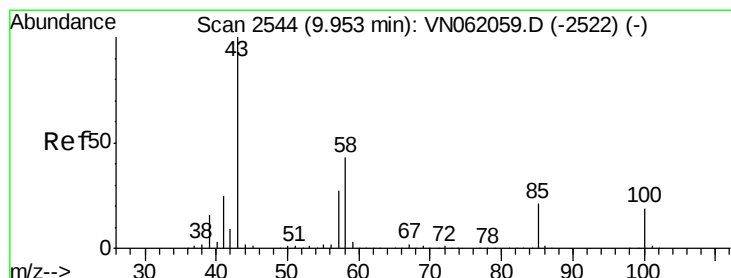
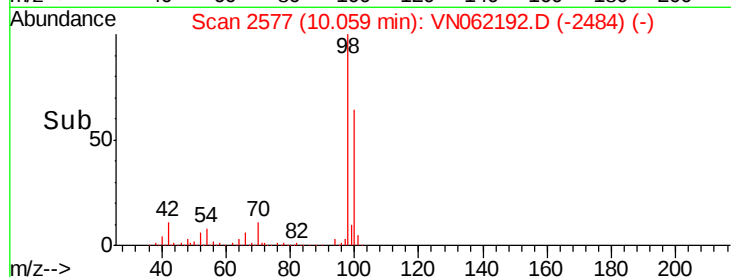
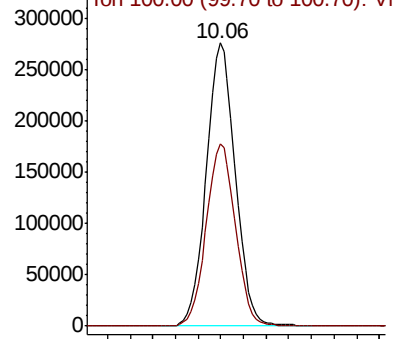
Ion Ratio Lower Upper

98 100

100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062059.D (-2561) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.636 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN062192.D

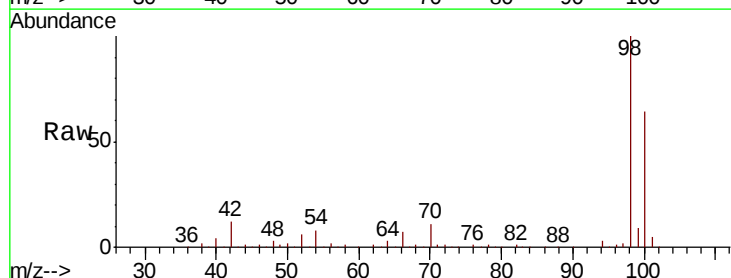
Acq: 29 Jun 2020 16:54

Tgt Ion: 43 Resp: 1962

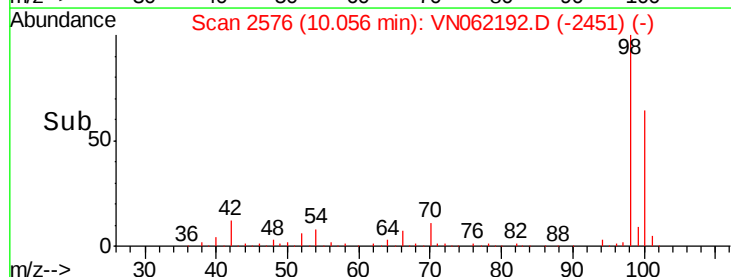
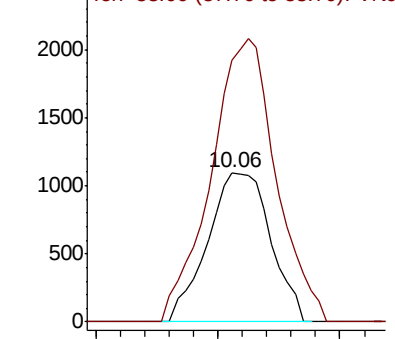
Ion Ratio Lower Upper

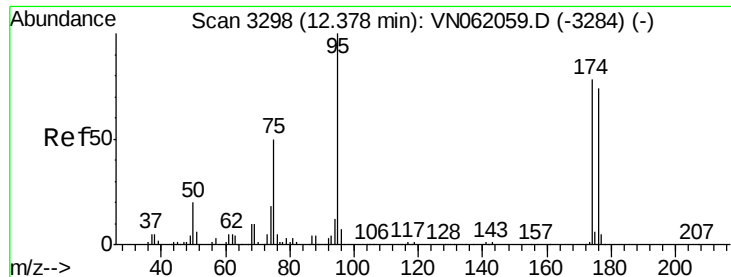
43 100

58 195.9 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2522) (-)





#62

4-Bromofluorobenzene

Concen: 47.381 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062192.D

Acq: 29 Jun 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

04BR-20200625DL

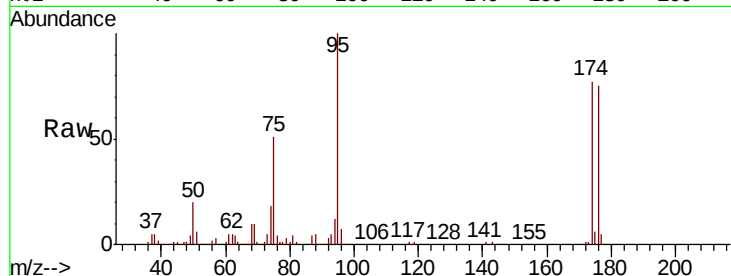
Tot Ion: 95 Resp: 159729

Ion Ratio Lower Upper

95 100

174 75.4 0.0 154.8

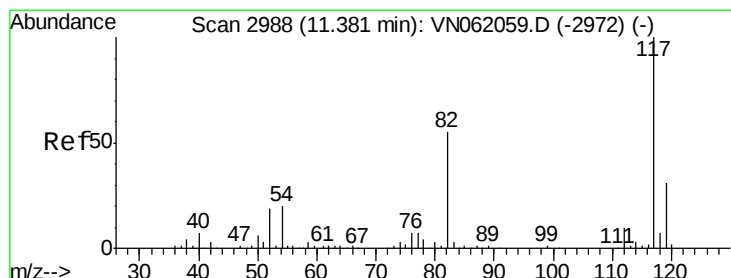
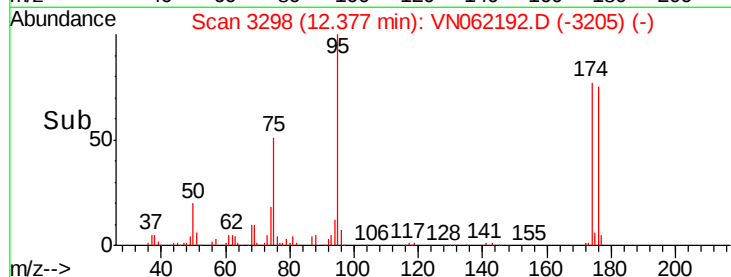
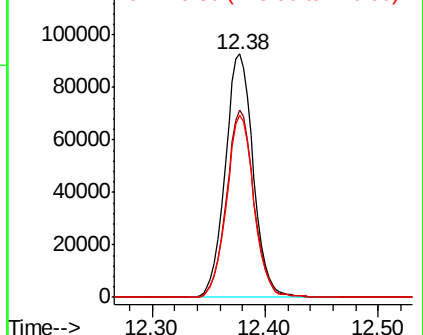
176 73.2 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN062192.D (-2895) (-)

Ion 173.80 (173.50 to 174.50): VN062192.D (-2895) (-)

Ion 175.80 (175.50 to 176.50): VN062192.D (-2895) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062192.D

Acq: 29 Jun 2020 16:54

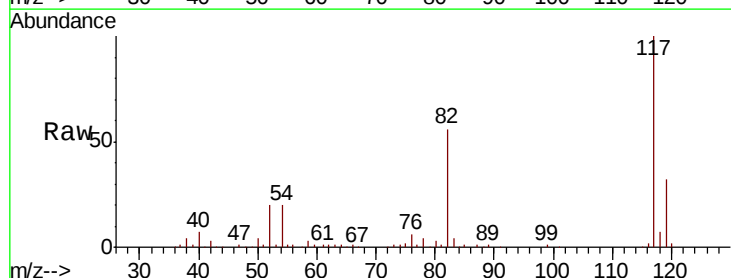
Tgt Ion: 117 Resp: 374574

Ion Ratio Lower Upper

117 100

82 56.2 43.8 65.8

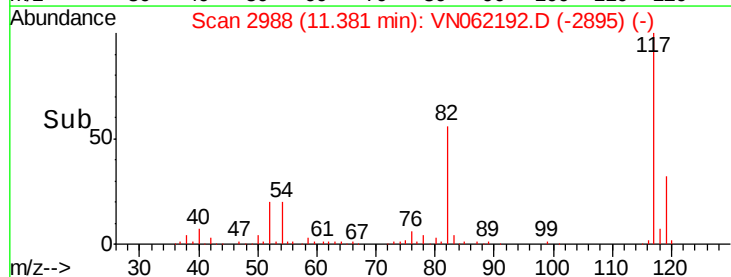
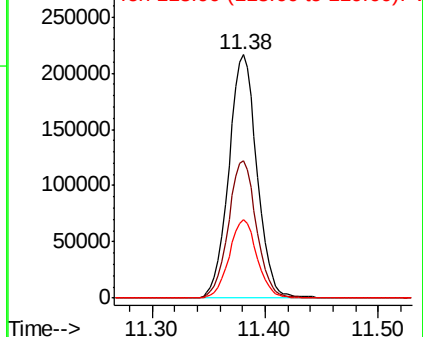
119 32.2 25.2 37.8

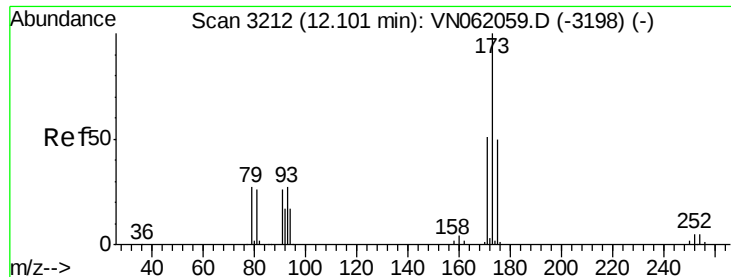


Abundance Ion 116.90 (116.60 to 117.60): VN062192.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062192.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062192.D (-2895) (-)

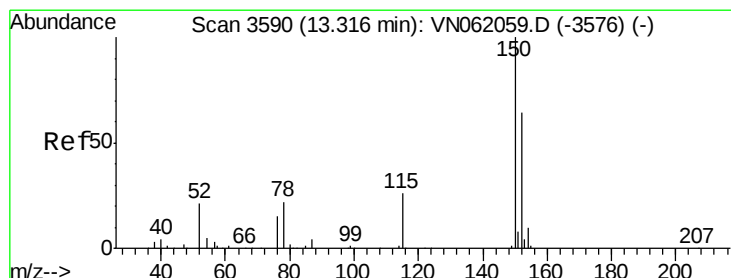
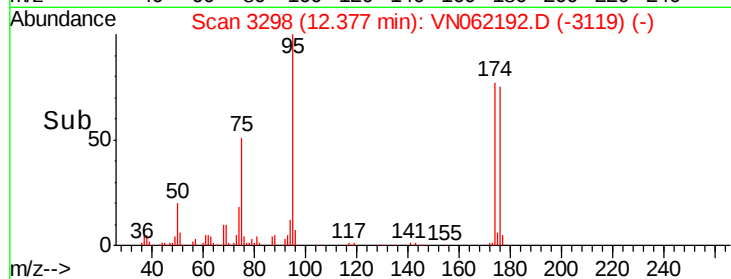
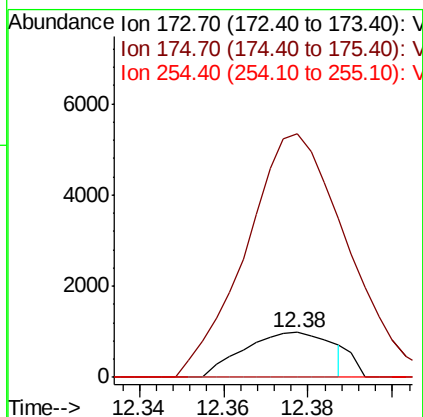
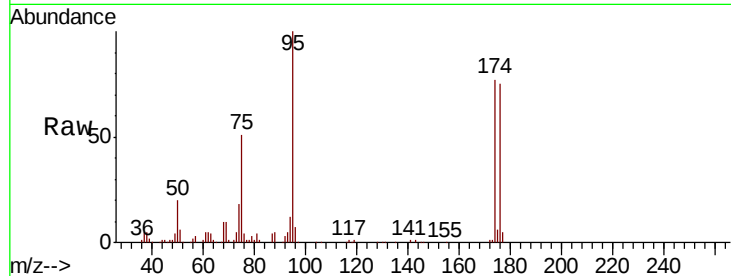




#71
Bromoform
Concen: 0.707 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062192.D
Acq: 29 Jun 2020 16:54

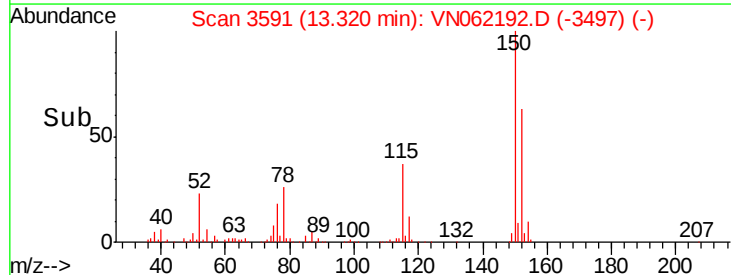
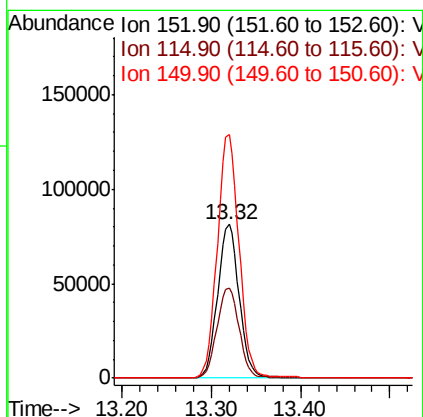
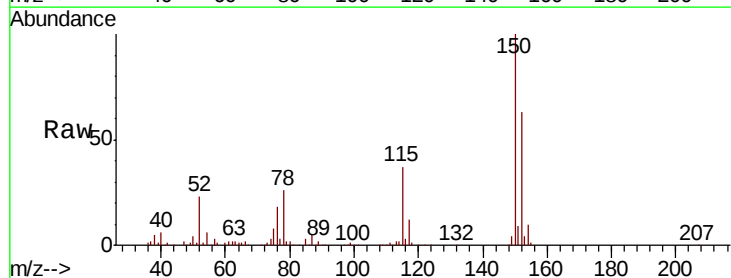
Instrument :
MSVOA_N
ClientSampleId :
04BR-20200625DL

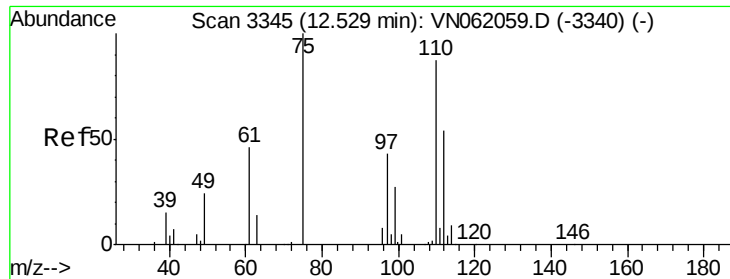
Tot Ion:173 Resp: 1430
Ion Ratio Lower Upper
173 100
175 517.8 24.7 74.1#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062192.D
Acq: 29 Jun 2020 16:54

Tgt Ion:152 Resp: 137358
Ion Ratio Lower Upper
152 100
115 60.0 29.5 88.5
150 158.2 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 25.067 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062192.D

Acq: 29 Jun 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

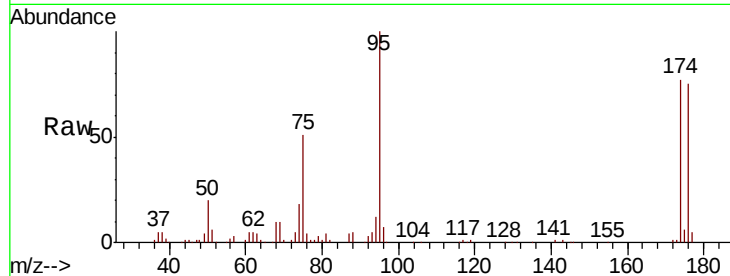
04BR-20200625DL

Tot Ion: 75 Resp: 81056

Ion Ratio Lower Upper

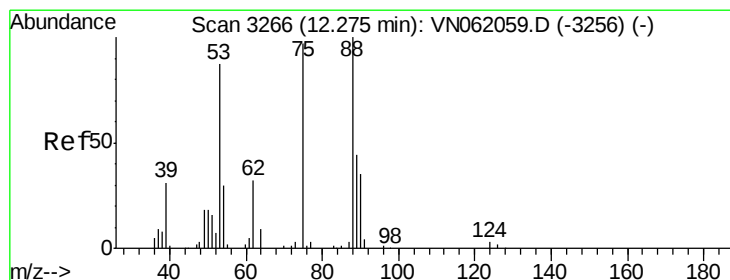
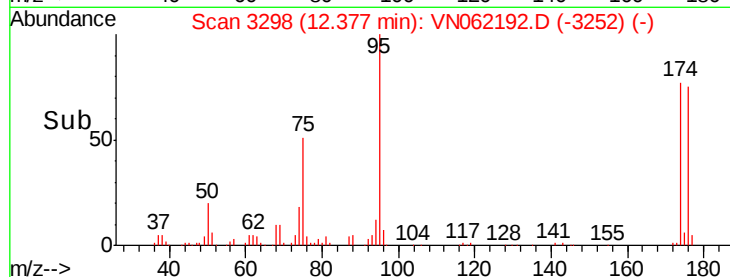
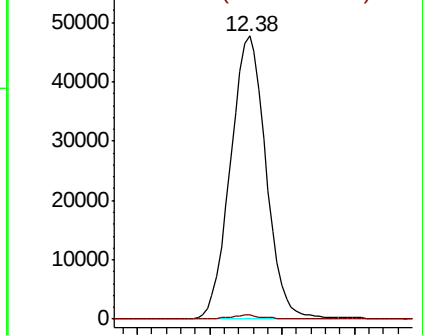
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062192.D (-3298) (-)

Ion 77.00 (76.70 to 77.70): VN062192.D (-3298) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 73.206 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062192.D

Acq: 29 Jun 2020 16:54

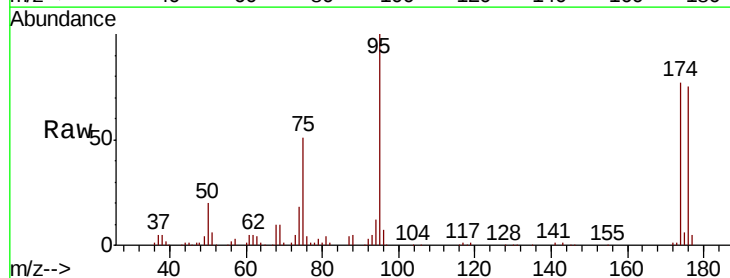
Tgt Ion: 75 Resp: 81056

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

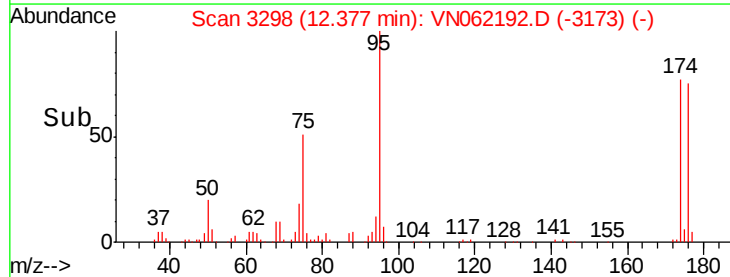
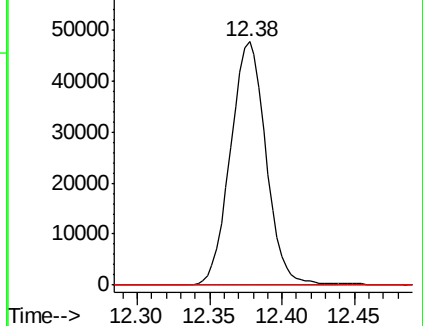
89 0.0 36.9 55.3#

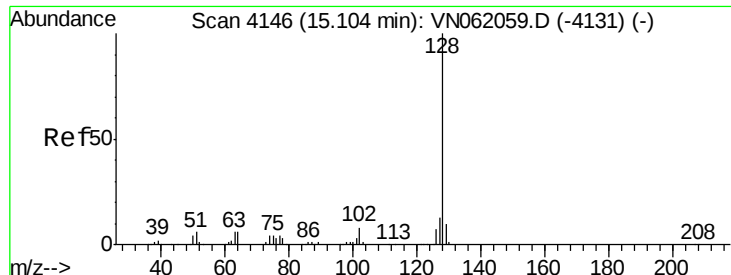


Abundance Ion 74.90 (74.60 to 75.60): VN062192.D (-3298) (-)

Ion 53.00 (52.70 to 53.70): VN062192.D (-3298) (-)

Ion 88.90 (88.60 to 89.60): VN062192.D (-3298) (-)





#95
 Naphthalene
 Concen: 3.999 ug/l
 RT: 15.11 min Scan# 4149
 Delta R.T. 0.01 min
 Lab File: VN062192.D
 Acq: 29 Jun 2020 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 04BR-20200625DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.6	13.0#

