

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062004.D
 Acq On : 22 Jun 2020 17:06
 Operator : JC/MD
 Sample : L3033-05DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0571-200615DL

Quant Time: Jun 23 05:18:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	140191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	256331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	254396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104306	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	96259	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
35) Dibromofluoromethane	7.55	113	80777	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	10.06	98	323281	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.38	95	112388	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds

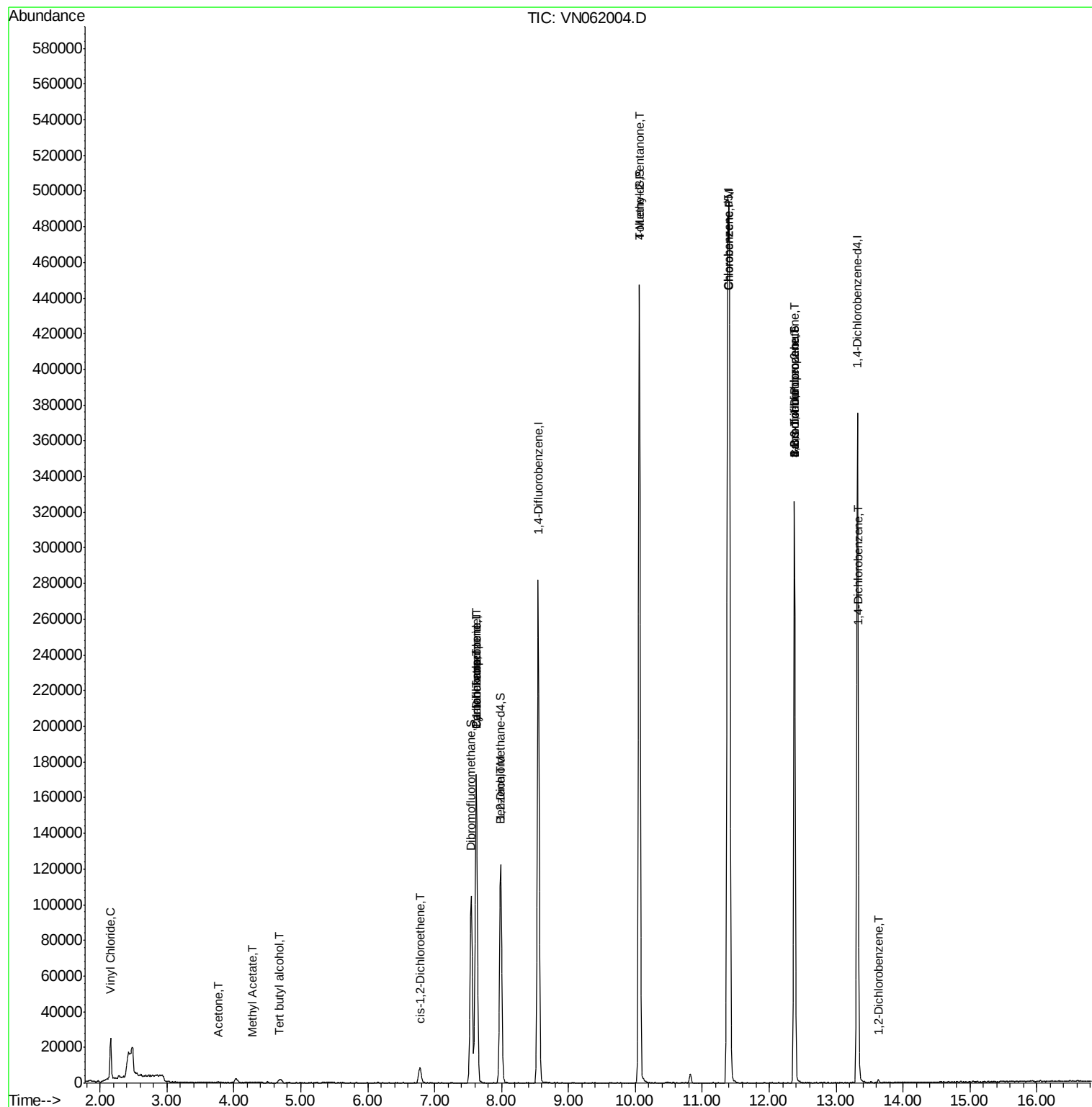
					Qvalue	
4) Vinyl Chloride	2.16	62	19522	8.415	ug/l	94
11) Tert butyl alcohol	4.68	59	1095	4.209	ug/l #	74
16) Acetone	3.78	43	448	0.807	ug/l #	40
18) Methyl Acetate	4.28	43	417	0.261	ug/l #	46
27) cis-1,2-Dichloroethene	6.79	96	3265	1.730	ug/l	96
31) Cyclohexane	7.62	56	3254	1.313	ug/l #	35
36) 1,1-Dichloropropene	7.62	75	11301	4.834	ug/l #	47
38) Carbon Tetrachloride	7.62	117	13802	5.961	ug/l #	17
40) Benzene	8.00	78	12300	1.737	ug/l	98
51) 4-Methyl-2-Pentanone	10.05	43	1358	0.747	ug/l #	1
65) Chlorobenzene	11.41	112	256476	47.779	ug/l	100
71) Bromoform	12.37	173	913	0.669	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	57015	27.842	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	57015	75.938	ug/l #	14
88) 1,4-Dichlorobenzene	13.34	146	1485	0.425	ug/l #	16
91) 1,2-Dichlorobenzene	13.63	146	902	0.275	ug/l	88

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062004.D

Acq: 22 Jun 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

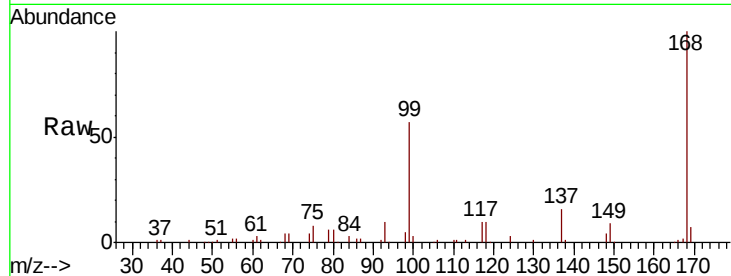
Z1-DUP-0571-200615DL

Tot Ion:168 Resp: 140191

Ion Ratio Lower Upper

168 100

99 56.7 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

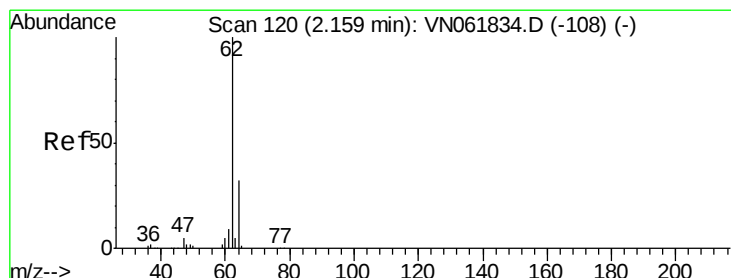
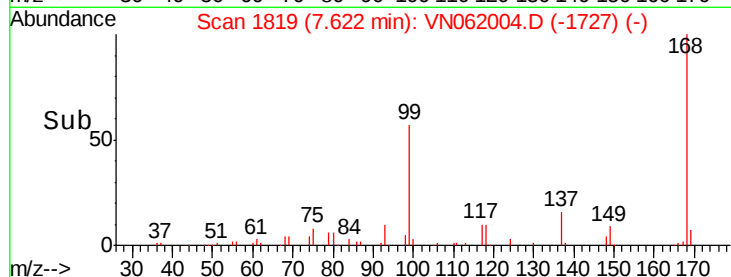
40000

20000

0

7.50 7.60 7.70

Time-->



#4

Vinyl Chloride

Concen: 8.415 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062004.D

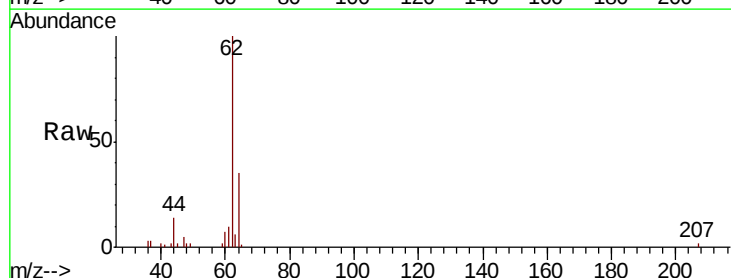
Acq: 22 Jun 2020 17:06

Tgt Ion: 62 Resp: 19522

Ion Ratio Lower Upper

62 100

64 35.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

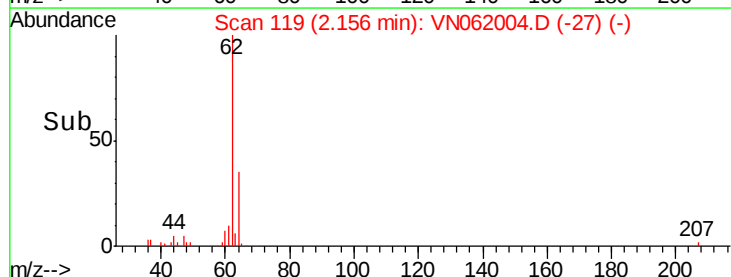
10000

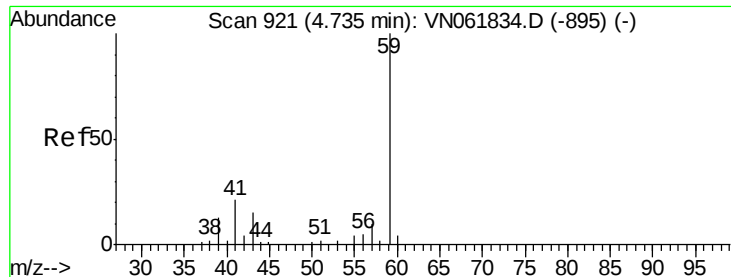
5000

0

2.10 2.15 2.20

Time-->



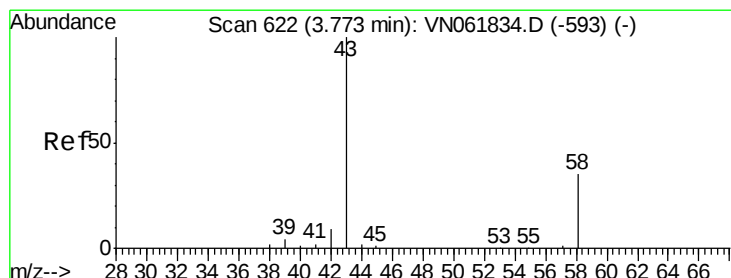
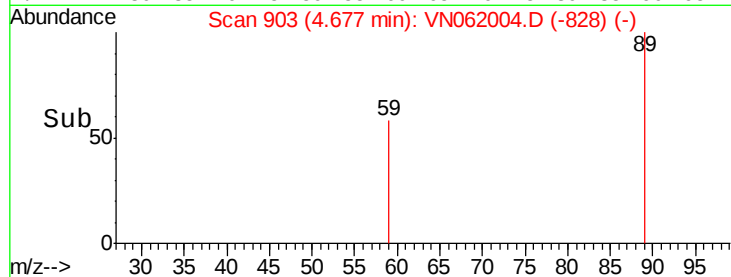
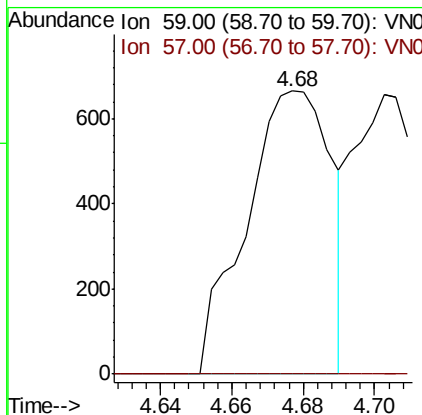
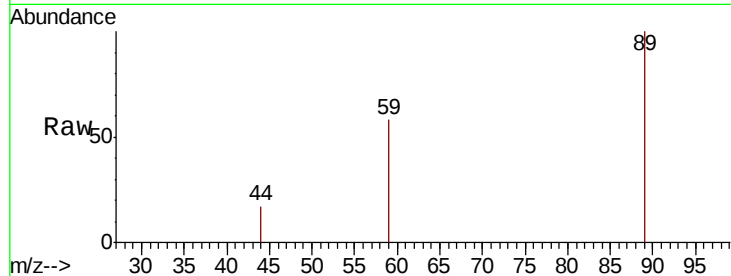


#11

Tert butyl alcohol
 Concen: 4.209 ug/l
 RT: 4.68 min Scan# 903
 Delta R.T. -0.06 min
 Lab File: VN062004.D
 Acq: 22 Jun 2020 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0571-200615DL

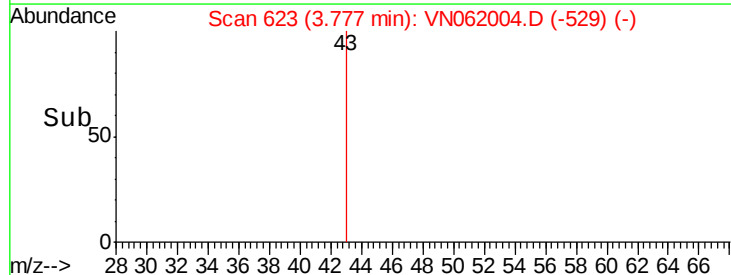
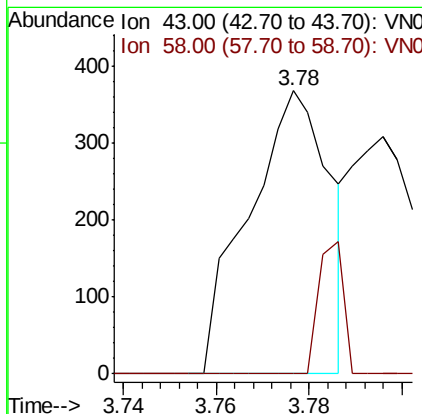
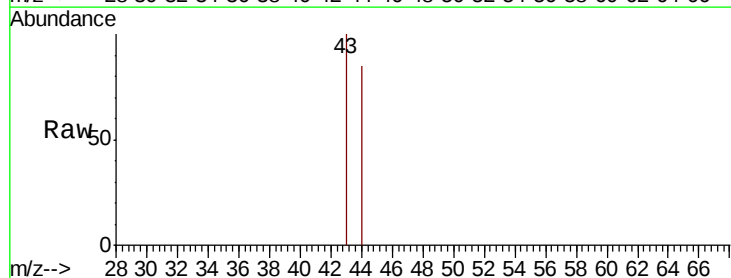
Tot Ion: 59 Resp: 1095
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

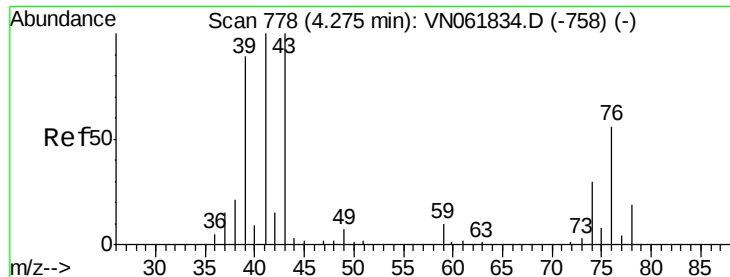


#16

Acetone
 Concen: 0.807 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN062004.D
 Acq: 22 Jun 2020 17:06

Tgt Ion: 43 Resp: 448
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.8 41.8#

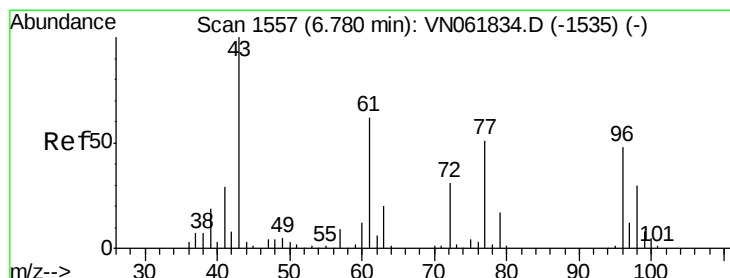
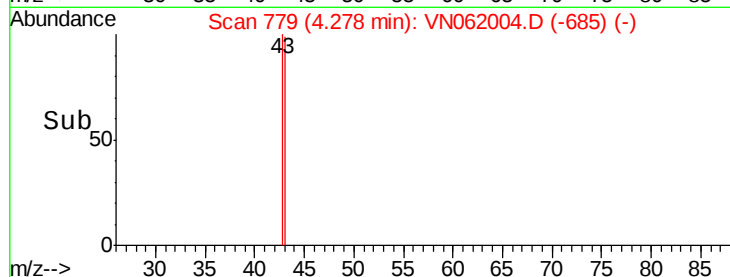
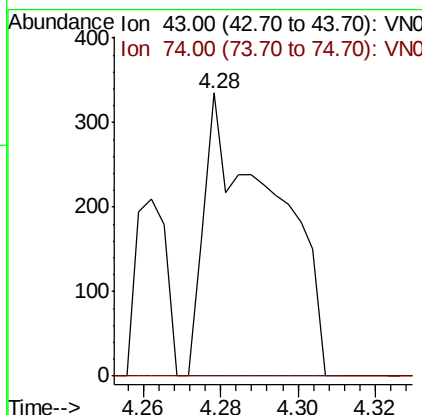
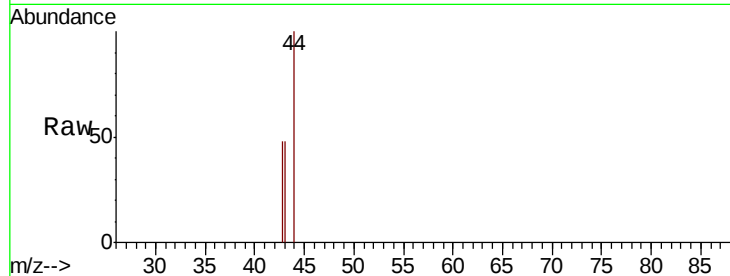




#18
Methyl Acetate
Concen: 0.261 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062004.D
Acq: 22 Jun 2020 17:06

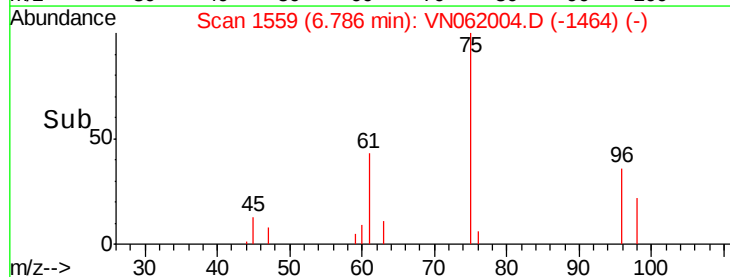
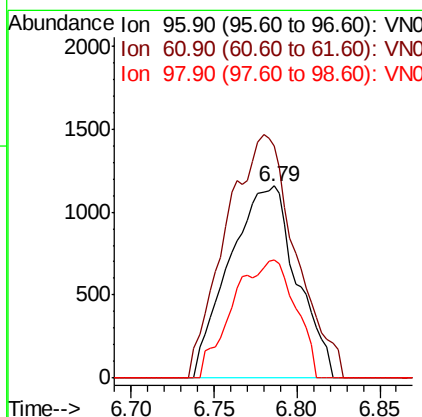
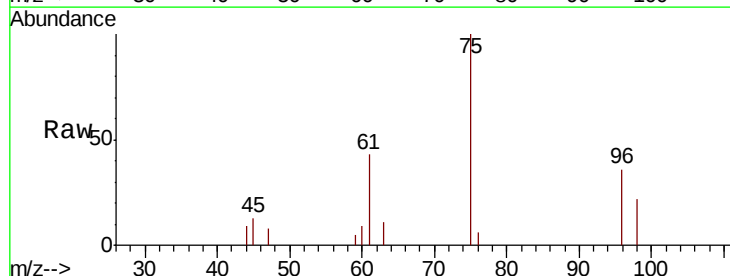
Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0571-200615DL

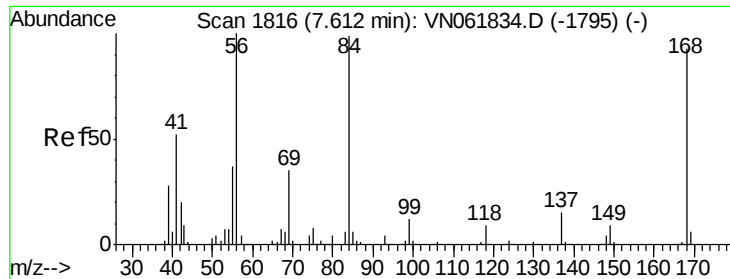
Tot Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.4#



#27
cis-1,2-Dichloroethene
Concen: 1.730 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.01 min
Lab File: VN062004.D
Acq: 22 Jun 2020 17:06

Tgt Ion: 96 Resp: 3265
Ion Ratio Lower Upper
96 100
61 130.8 0.0 265.6
98 57.3 0.0 128.2

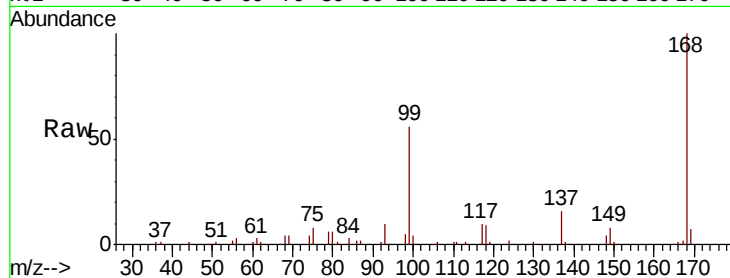




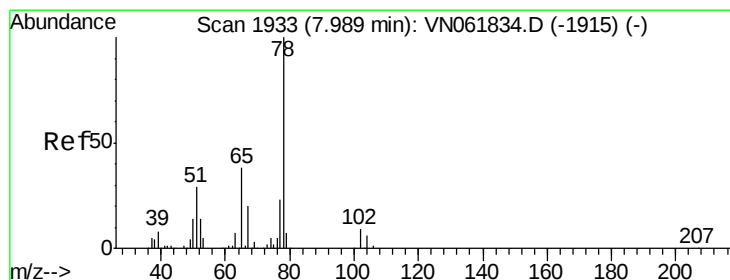
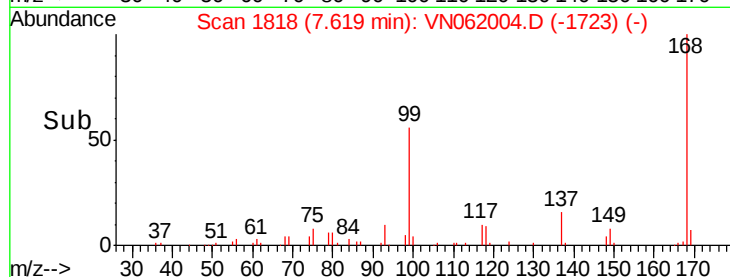
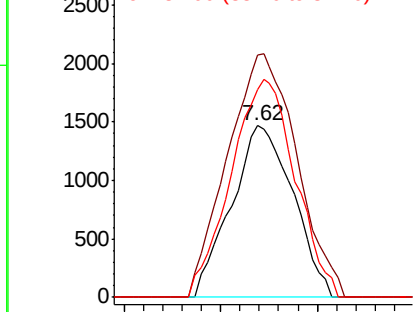
#31
Cyclohexane
Concen: 1.313 ug/l
RT: 7.62 min Scan# 1816
Delta R.T. 0.01 min
Lab File: VN062004.D
Acq: 22 Jun 2020 17:06

Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0571-200615DL

Tot Ion: 56 Resp: 3254
Ion Ratio Lower Upper
56 100
69 141.3 27.7 41.5#
84 121.6 79.1 118.7#

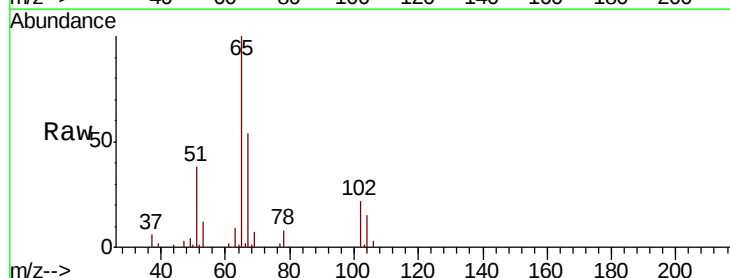


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

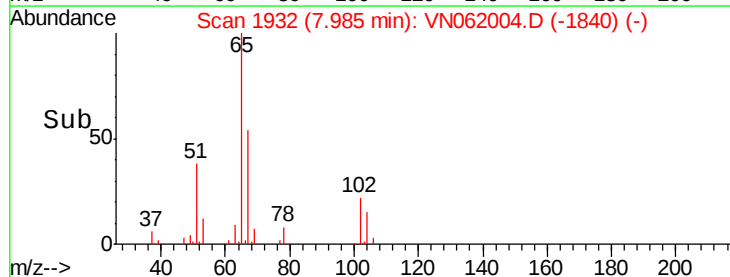
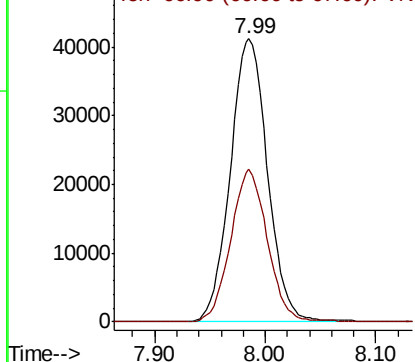


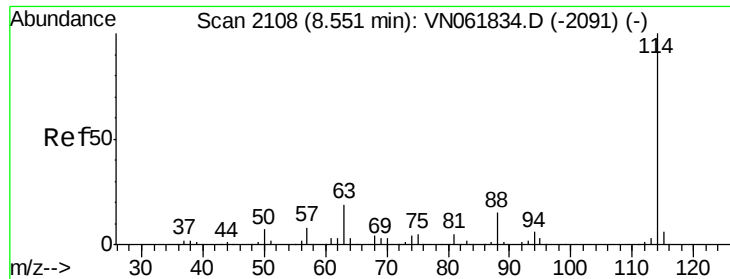
#33
1,2-Dichloroethane-d4
Concen: 51.197 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN062004.D
Acq: 22 Jun 2020 17:06

Tgt Ion: 65 Resp: 96259
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062004.D

Acq: 22 Jun 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

Z1-DUP-0571-200615DL

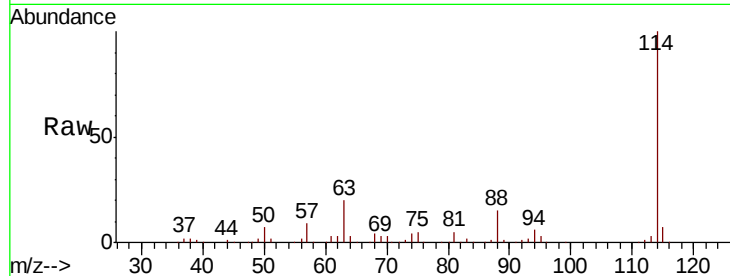
Tot Ion:114 Resp: 256331

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.6

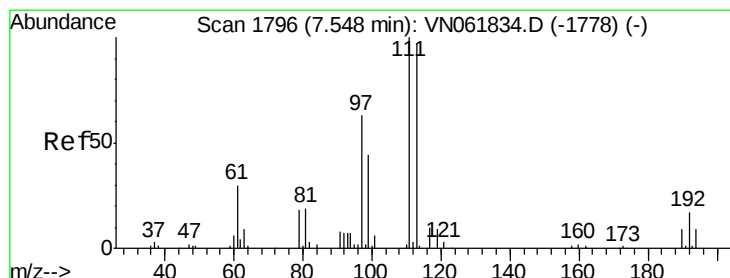
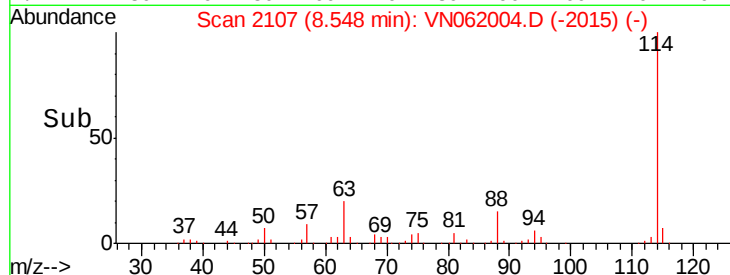
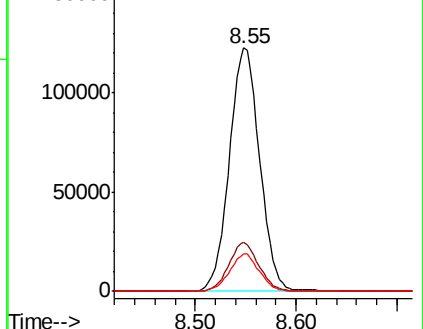
88 15.5 0.0 31.0



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: 49.258 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN062004.D

Acq: 22 Jun 2020 17:06

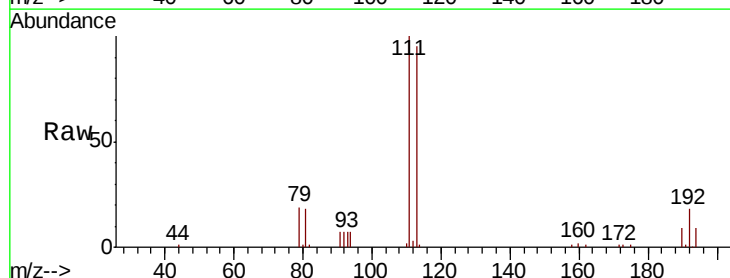
Tgt Ion:113 Resp: 80777

Ion Ratio Lower Upper

113 100

111 104.4 83.7 125.5

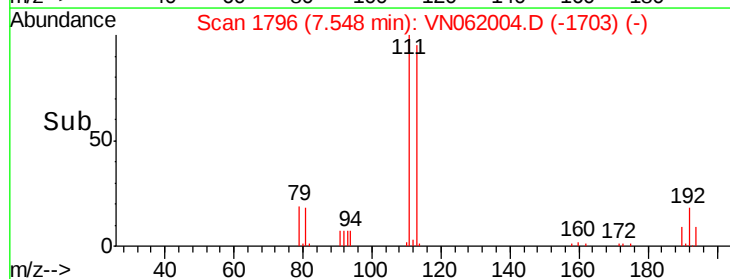
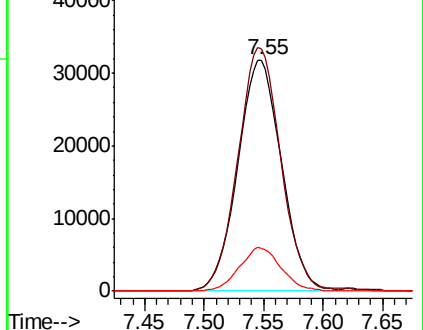
192 17.9 13.9 20.9

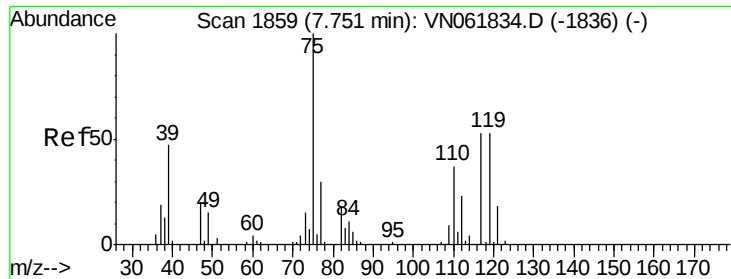


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

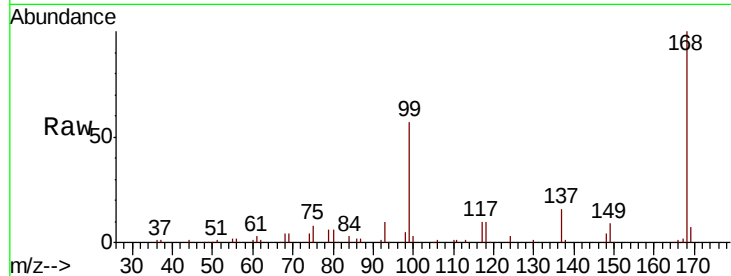




#36
 1,1-Dichloropropene
 Concen: 4.834 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062004.D
 Acq: 22 Jun 2020 17:06

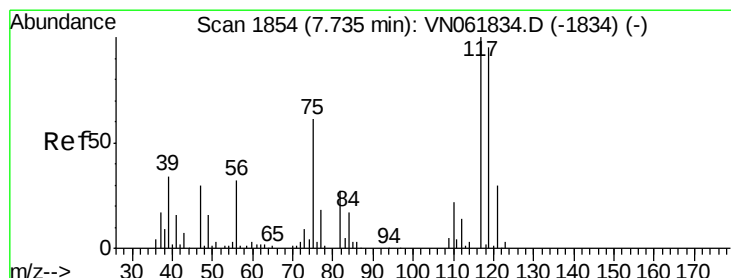
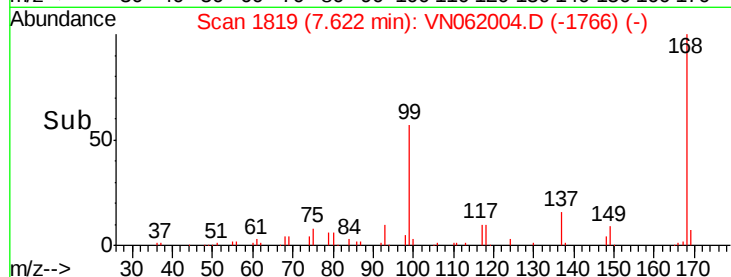
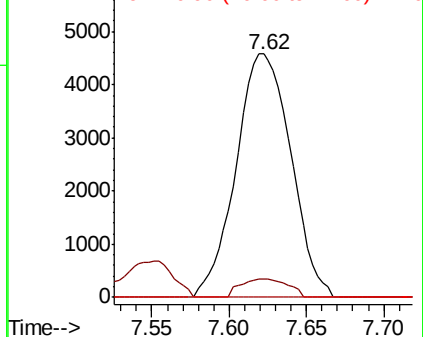
Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0571-200615DL

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.5	18.2	54.6#
77	0.0	24.2	36.4#



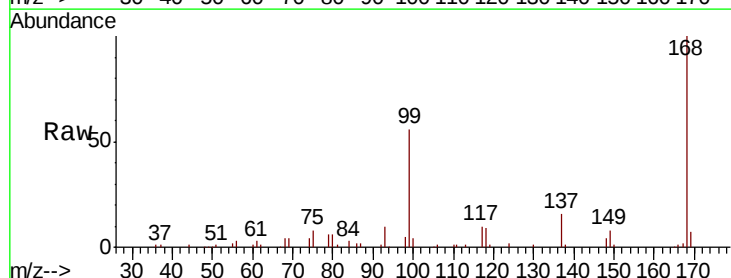
Abundance

Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)



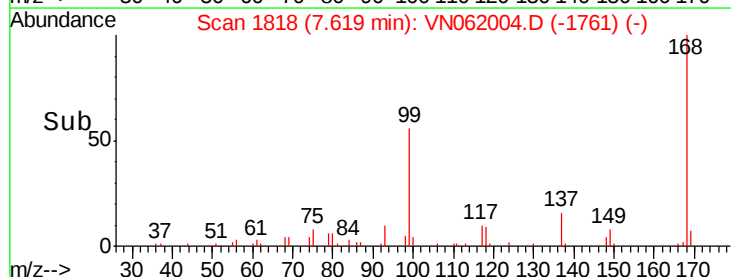
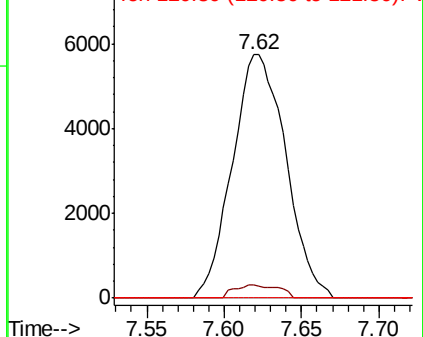
#38
 Carbon Tetrachloride
 Concen: 5.961 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.12 min
 Lab File: VN062004.D
 Acq: 22 Jun 2020 17:06

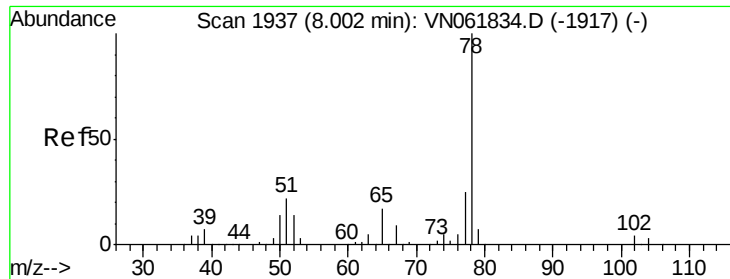
Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.8	113.6#
121	0.0	23.8	35.6#



Abundance

Ion 116.80 (116.50 to 117.50): VN061834.D (-1834) (-)





#40

Benzene

Concen: 1.737 ug/l

RT: 8.00 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VN062004.D

Acq: 22 Jun 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

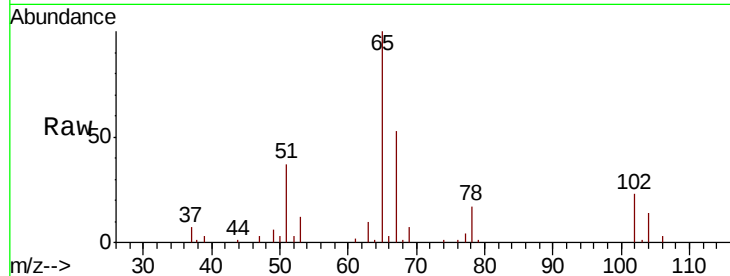
Z1-DUP-0571-200615DL

Tot Ion: 78 Resp: 12300

Ion Ratio Lower Upper

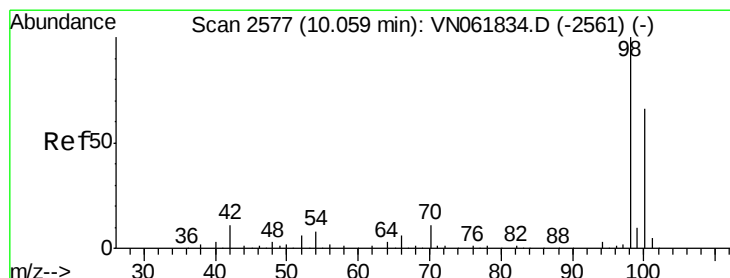
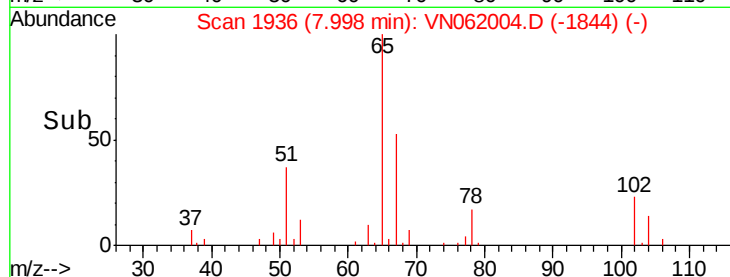
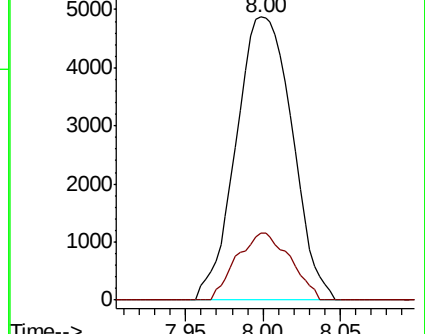
78 100

77 23.7 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 50.144 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062004.D

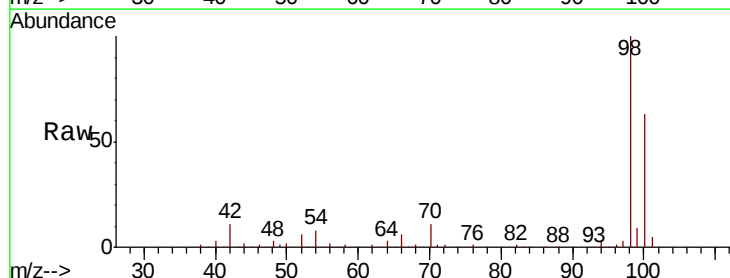
Acq: 22 Jun 2020 17:06

Tgt Ion: 98 Resp: 323281

Ion Ratio Lower Upper

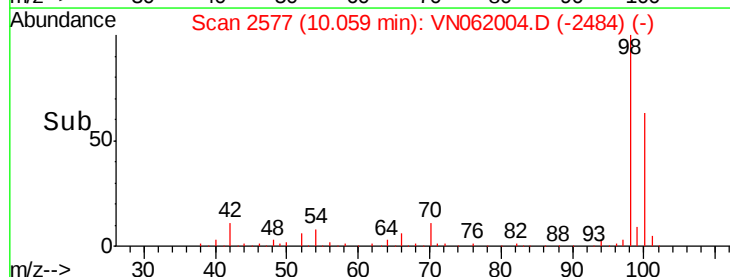
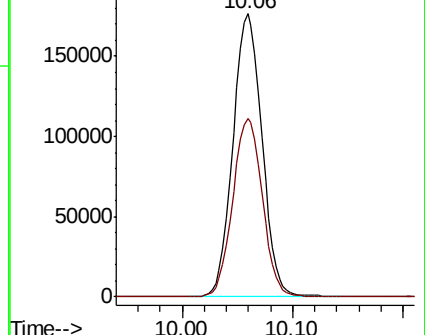
98 100

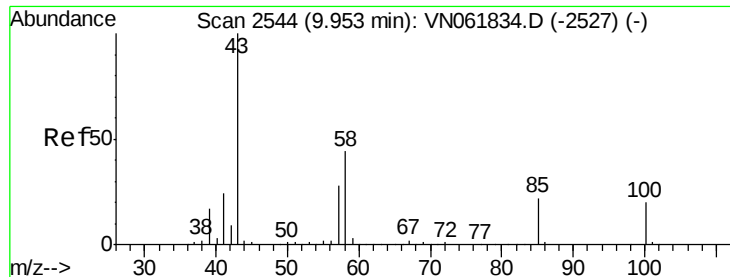
100 64.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.747 ug/l

RT: 10.05 min Scan# 2575

Delta R.T. 0.10 min

Lab File: VN062004.D

Acq: 22 Jun 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

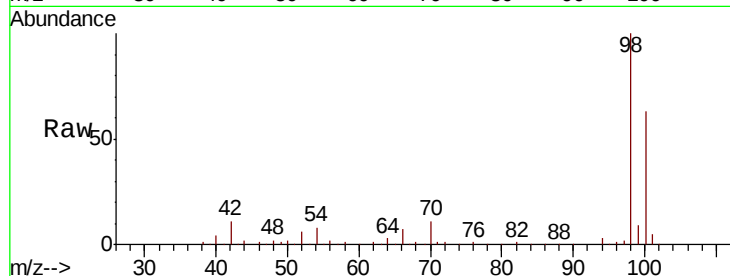
Z1-DUP-0571-200615DL

Tot Ion: 43 Resp: 1358

Ion Ratio Lower Upper

43 100

58 177.3 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

1500

1000

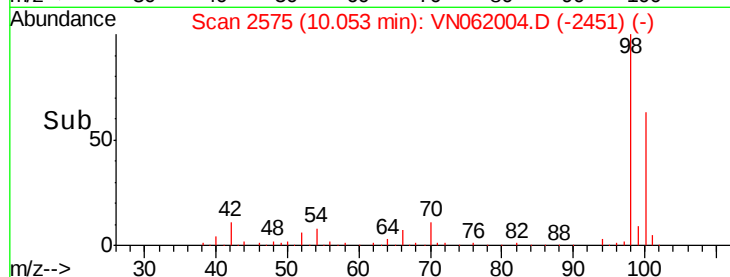
500

0

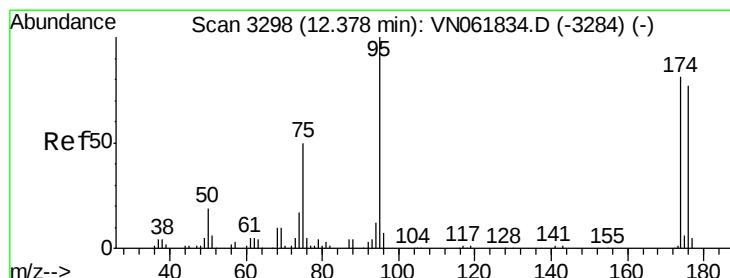
10.05

10.00

10.10



Time-->



#62

4-Bromofluorobenzene

Concen: 50.822 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062004.D

Acq: 22 Jun 2020 17:06

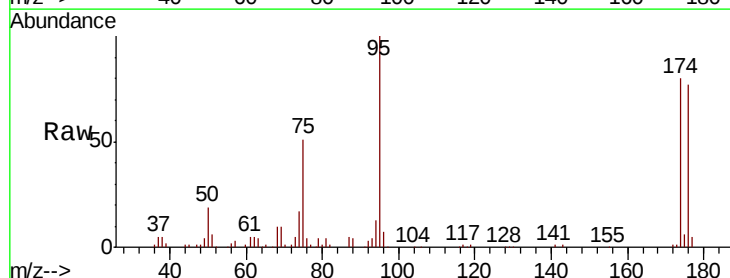
Tgt Ion: 95 Resp: 112388

Ion Ratio Lower Upper

95 100

174 79.2 0.0 158.6

176 75.5 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

80000

60000

40000

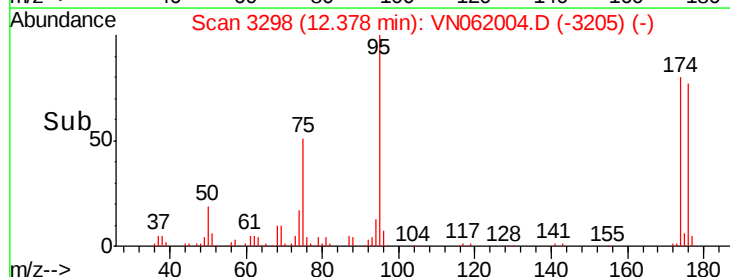
20000

0

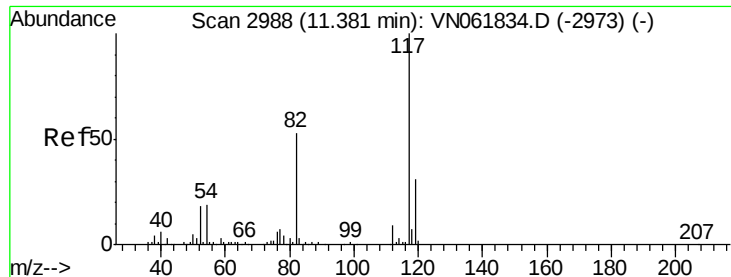
12.38

12.30

12.45



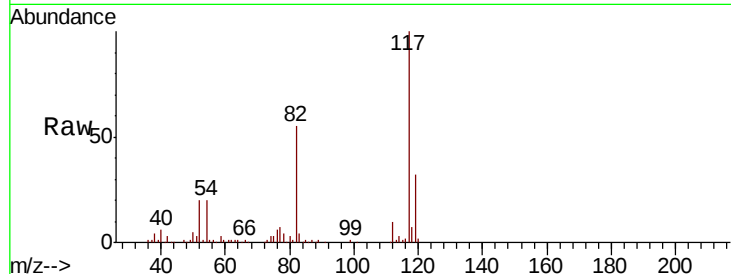
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062004.D
Acq: 22 Jun 2020 17:06

Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0571-200615DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	42.6	64.0
119	32.0	24.7	37.1

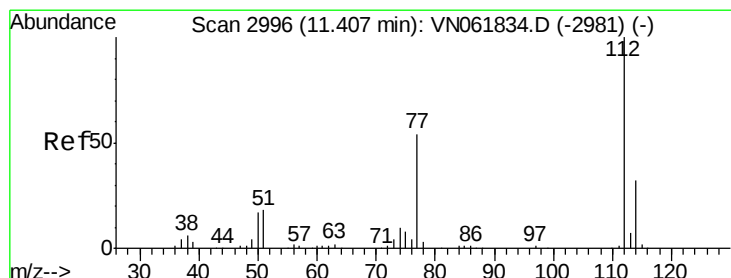
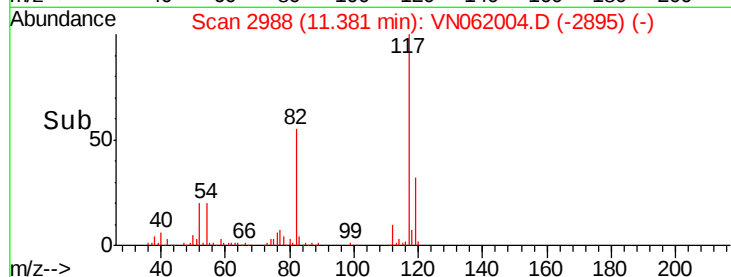
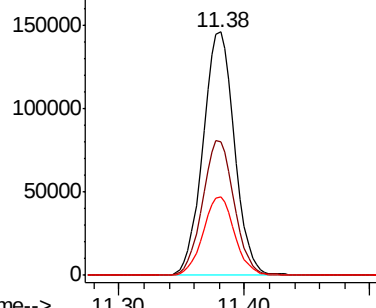


Abundance

Ion 116.90 (116.60 to 117.60): V

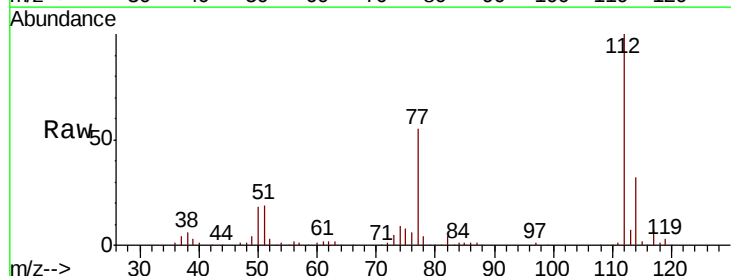
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#65
Chlorobenzene
Concen: 47.779 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062004.D
Acq: 22 Jun 2020 17:06

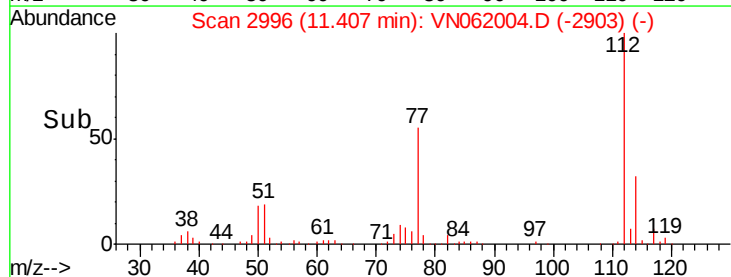
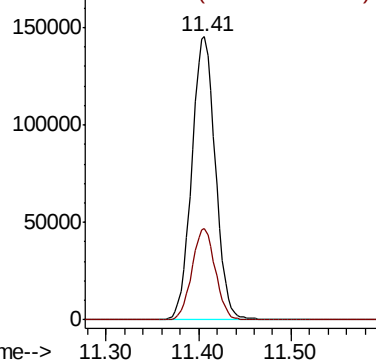
Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

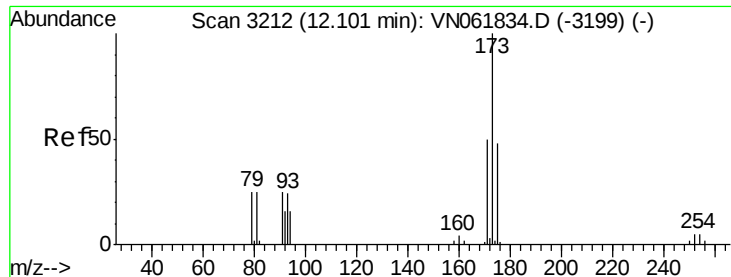


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#71

Bromoform

Concen: 0.669 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062004.D

Acq: 22 Jun 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

Z1-DUP-0571-200615DL

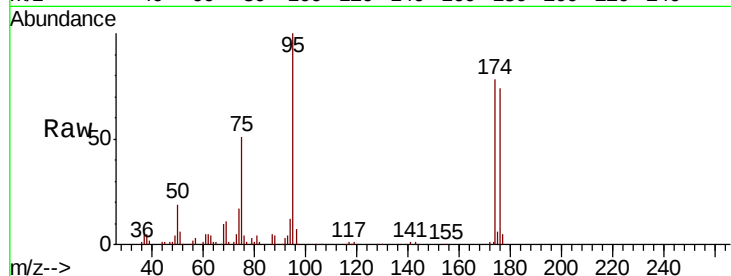
Tot Ion:173 Resp: 913

Ion Ratio Lower Upper

173 100

175 598.1 23.9 71.7#

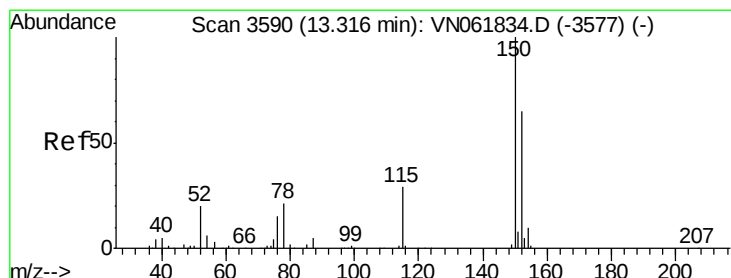
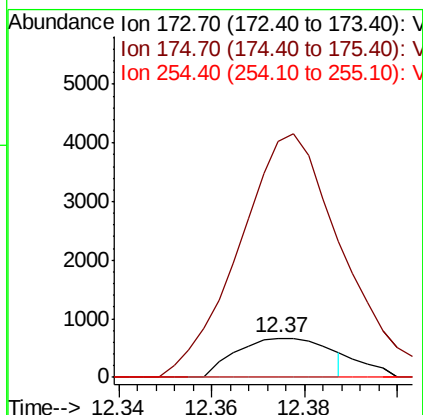
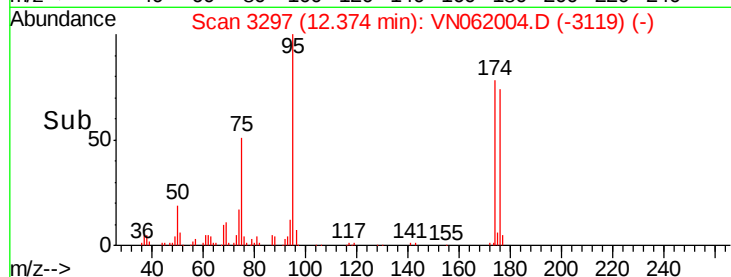
254 0.0 0.0 0.0



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: VN062004.D

Acq: 22 Jun 2020 17:06

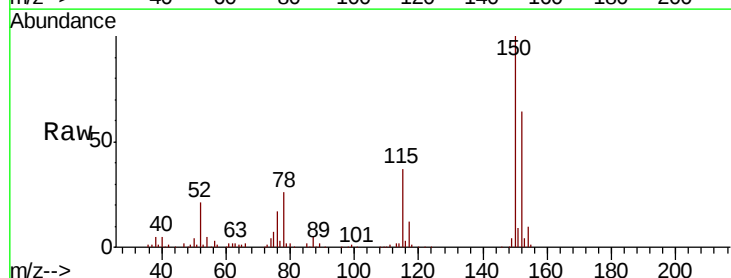
Tgt Ion:152 Resp: 104306

Ion Ratio Lower Upper

152 100

115 58.4 29.1 87.3

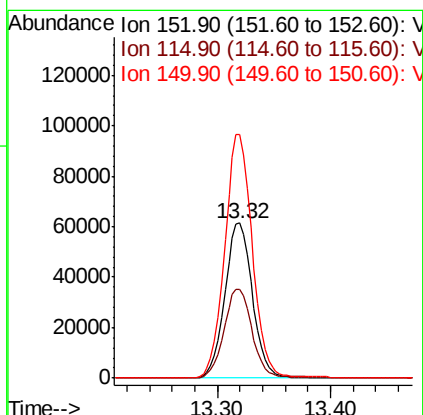
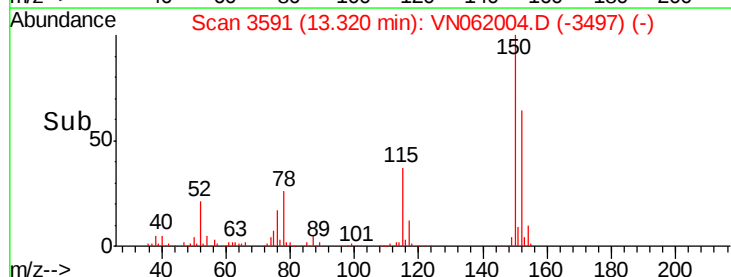
150 156.4 0.0 347.6

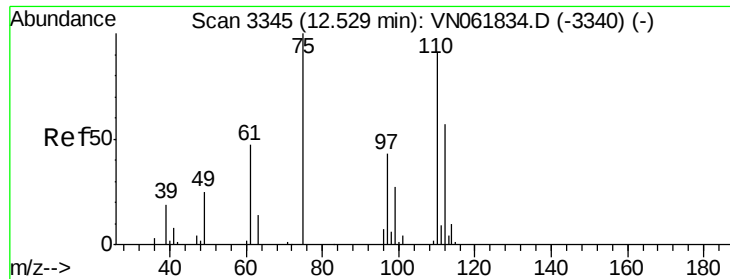


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.842 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062004.D

Acq: 22 Jun 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

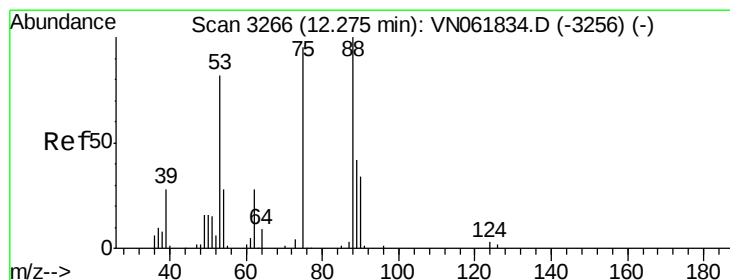
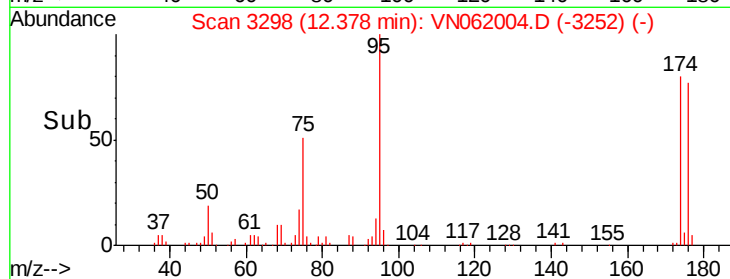
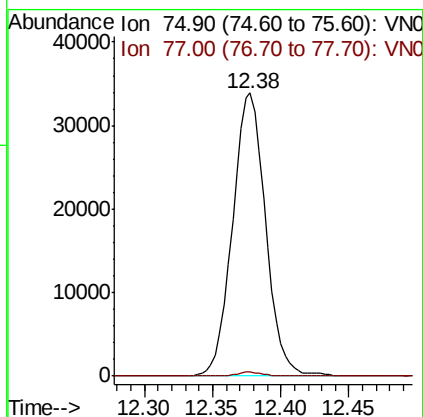
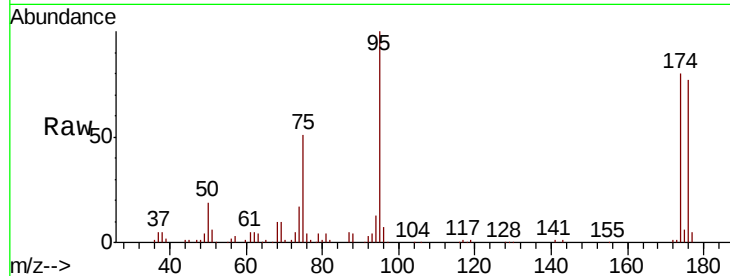
Z1-DUP-0571-200615DL

Tot Ion: 75 Resp: 57015

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.938 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062004.D

Acq: 22 Jun 2020 17:06

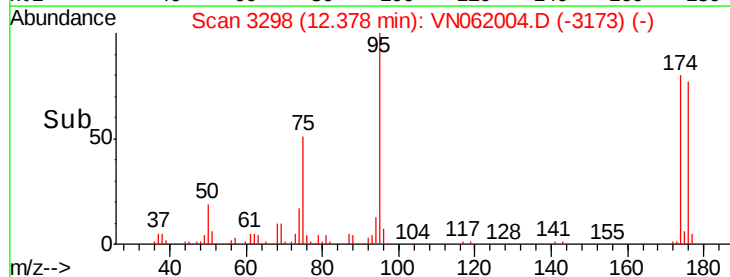
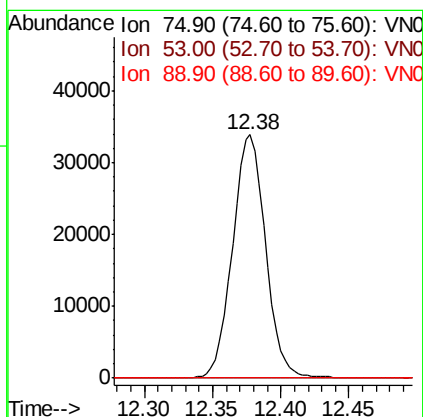
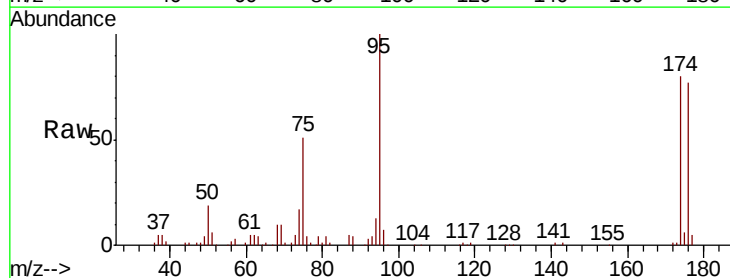
Tgt Ion: 75 Resp: 57015

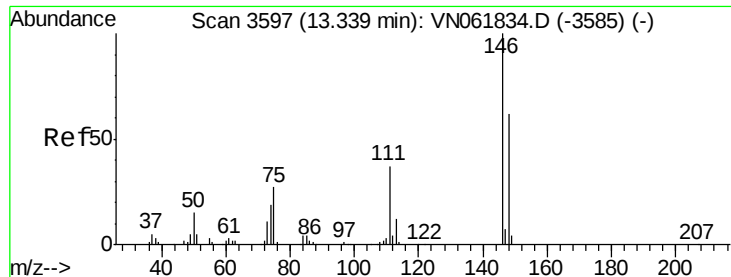
Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#





#88

1,4-Dichlorobenzene

Concen: 0.425 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN062004.D

Acq: 22 Jun 2020 17:06

Instrument :

MSVOA_N

ClientSampleId :

Z1-DUP-0571-200615DL

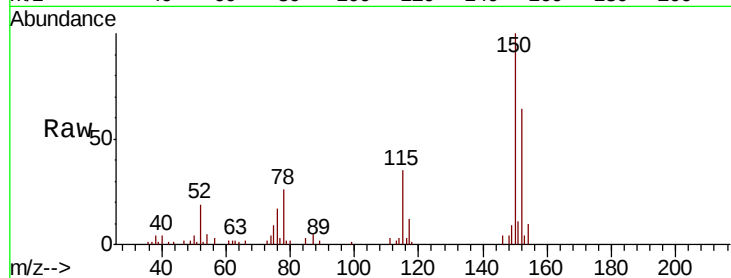
Tot Ion:146 Resp: 1485

Ion Ratio Lower Upper

146 100

111 125.3 19.3 57.8#

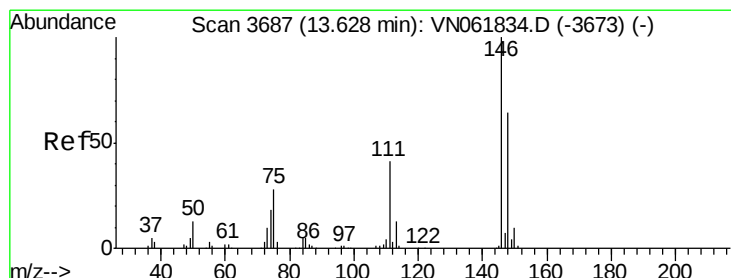
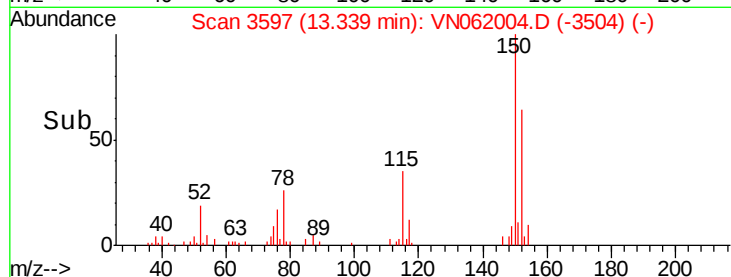
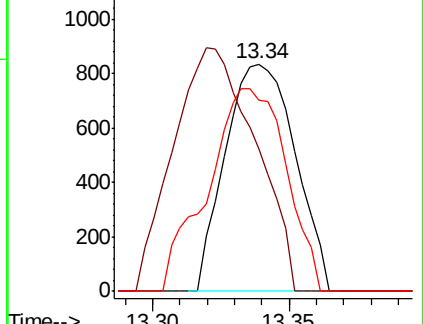
148 100.1 31.6 94.7#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 0.275 ug/l

RT: 13.63 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VN062004.D

Acq: 22 Jun 2020 17:06

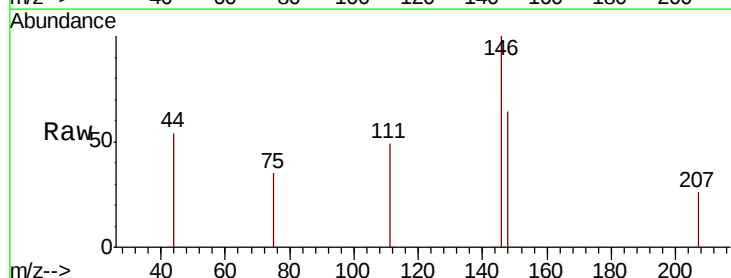
Tgt Ion:146 Resp: 902

Ion Ratio Lower Upper

146 100

111 32.2 20.4 61.2

148 54.5 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

