

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062029.D
 Acq On : 23 Jun 2020 4:22
 Operator : JC/MD
 Sample : L3033-10 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0572-200616

Quant Time: Jun 23 07:35:32 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	7.63	168	156999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	287814	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	276377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	103397	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	104075	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
35) Dibromofluoromethane	7.55	113	91955	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	10.06	98	367860	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.38	95	117969	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	

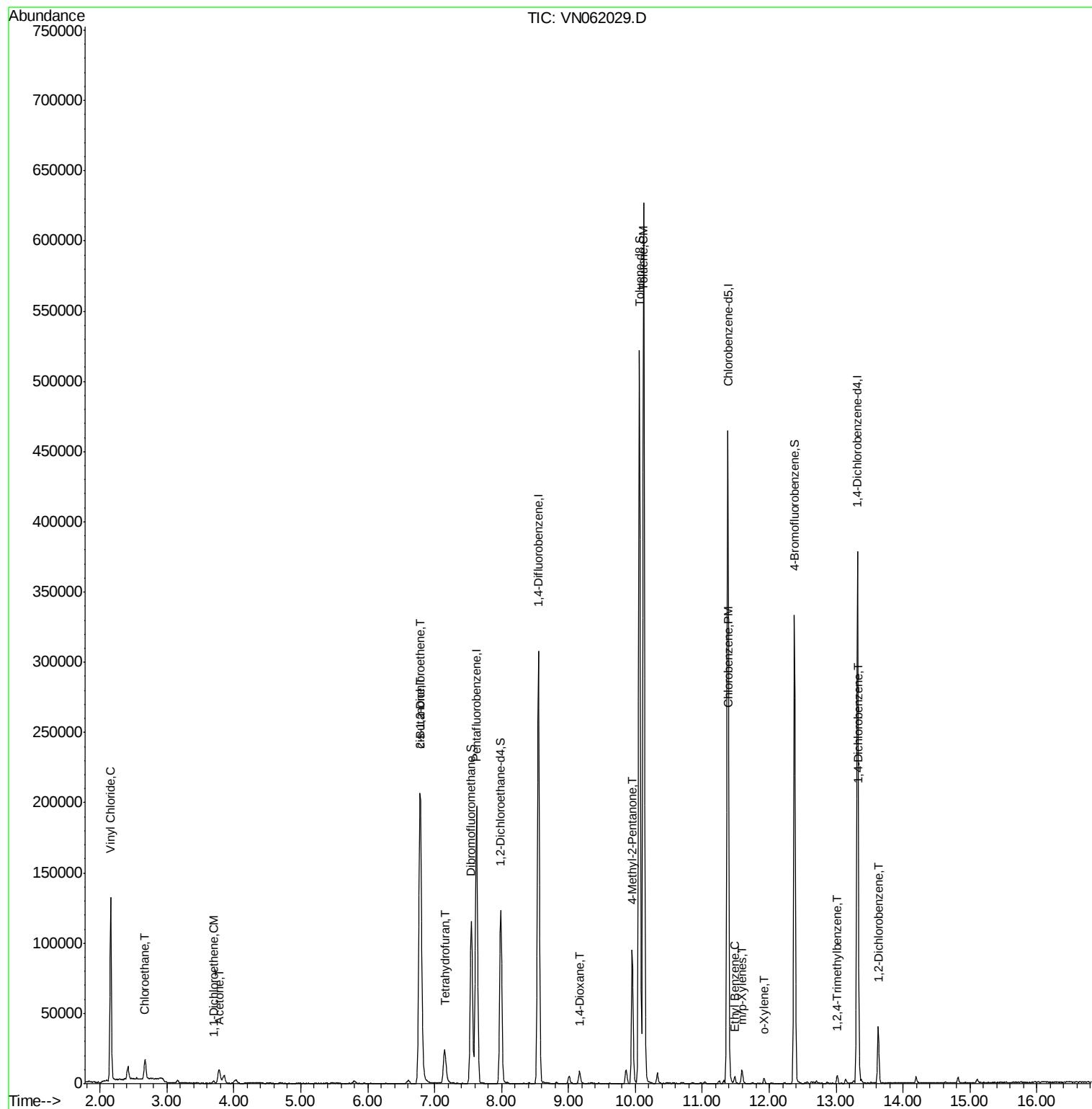
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	116188	44.724	ug/l	99
6) Chloroethane	2.67	64	11626	6.612	ug/l	93
12) 1,1-Dichloroethene	3.69	96	894	0.560	ug/l #	54
16) Acetone	3.78	43	17285	27.792	ug/l	99
25) 2-Butanone	6.79	43	235752	259.802	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	50358	23.820	ug/l	91
29) Tetrahydrofuran	7.16	42	2332	3.905	ug/l #	74
49) 1,4-Dioxane	9.17	88	6798	188.464	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	59380	29.086	ug/l	98
52) Toluene	10.12	92	287280	57.522	ug/l	99
65) Chlorobenzene	11.40	112	1853	0.318	ug/l	96
67) Ethyl Benzene	11.49	91	4509	0.461	ug/l	96
68) m/p-Xylenes	11.59	106	3530	0.936	ug/l	89
69) o-Xylene	11.92	106	1385	0.385	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	3755	0.626	ug/l	94
88) 1,4-Dichlorobenzene	13.34	146	3680	1.063	ug/l	86
91) 1,2-Dichlorobenzene	13.63	146	18378	5.646	ug/l	95

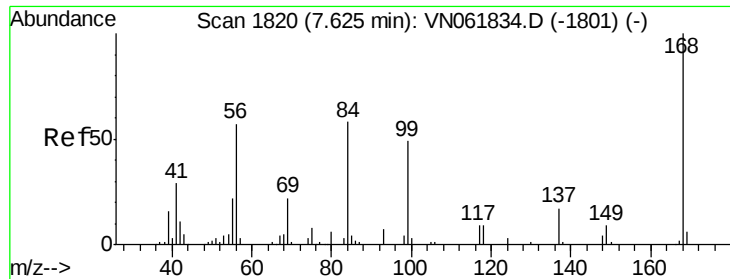
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062220\
Data File : VN062029.D
Acq On : 23 Jun 2020 4:22
Operator : JC/MD
Sample : L3033-10 100X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0572-200616

Quant Time: Jun 23 07:35:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 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: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

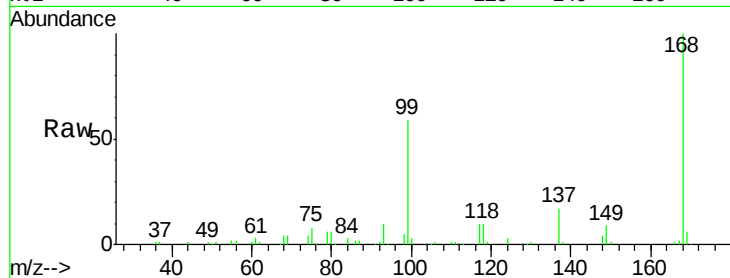
Z1-DUP-0572-200616

Tot Ion:168 Resp: 156999

Ion Ratio Lower Upper

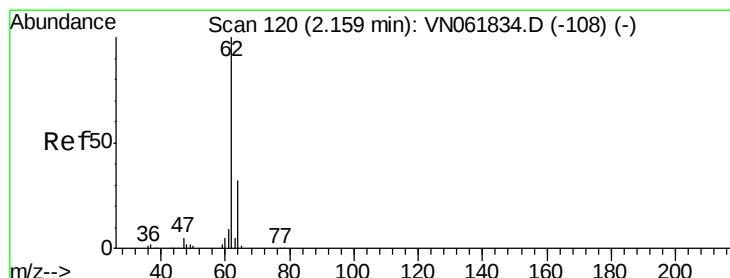
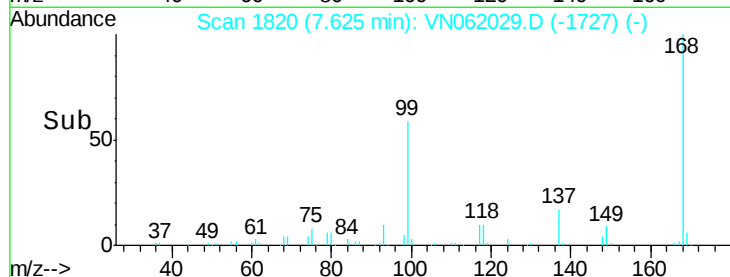
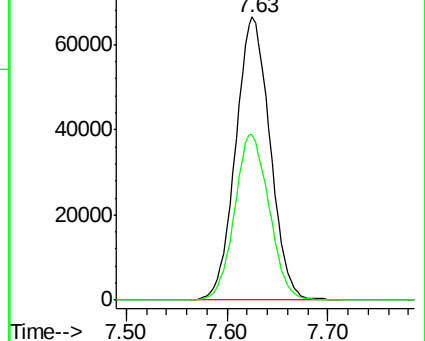
168 100

99 58.5 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#4

Vinyl Chloride

Concen: 44.724 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062029.D

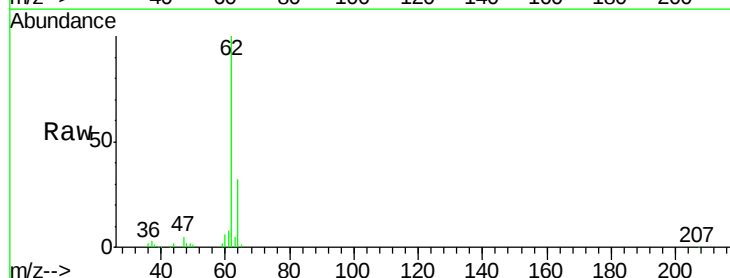
Acq: 23 Jun 2020 4:22

Tgt Ion: 62 Resp: 116188

Ion Ratio Lower Upper

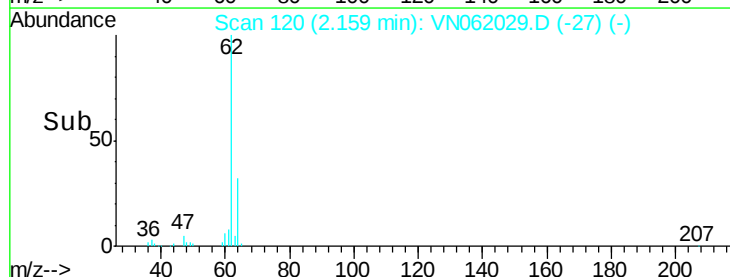
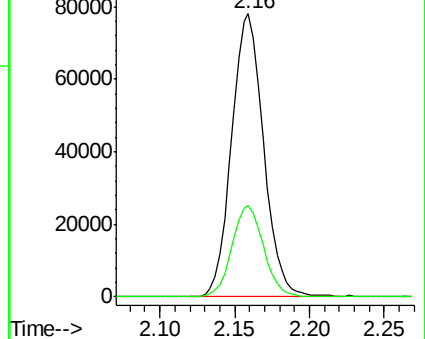
62 100

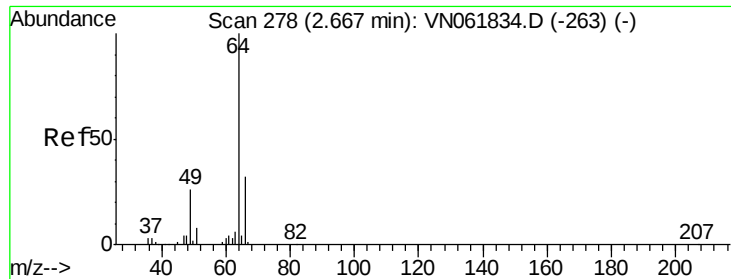
64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#6

Chloroethane

Concen: 6.612 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.01 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

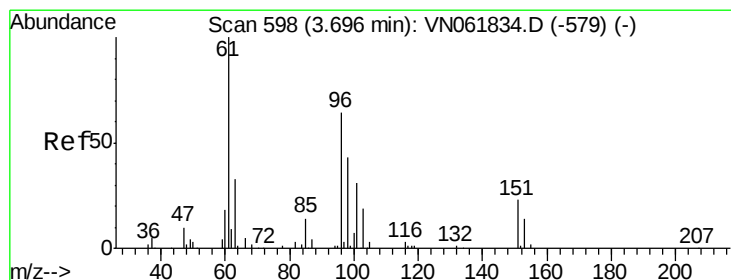
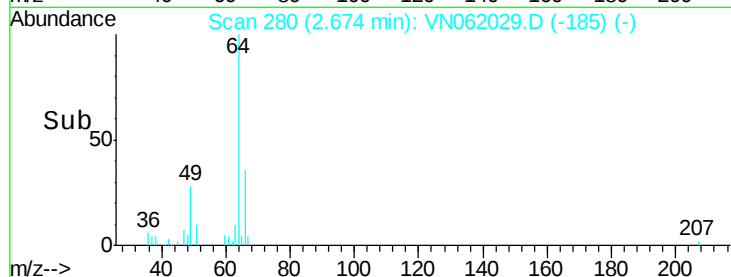
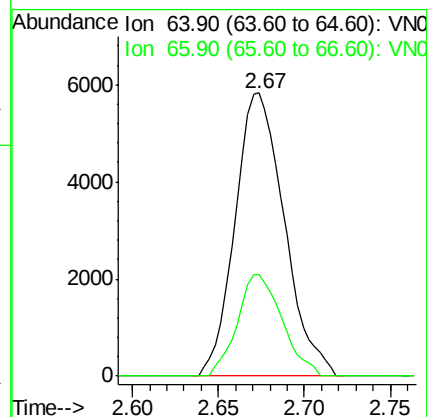
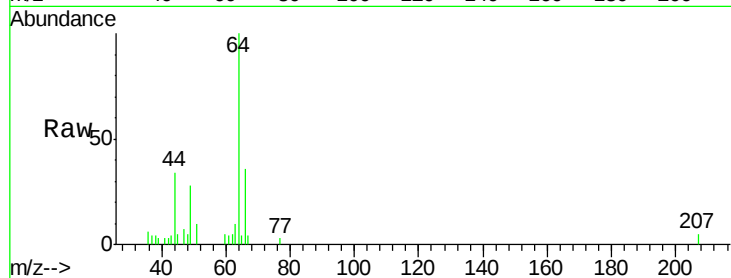
Z1-DUP-0572-200616

Tot Ion: 64 Resp: 11626

Ion Ratio Lower Upper

64 100

66 35.9 25.4 38.2



#12

1,1-Dichloroethene

Concen: 0.560 ug/l

RT: 3.69 min Scan# 596

Delta R.T. -0.01 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

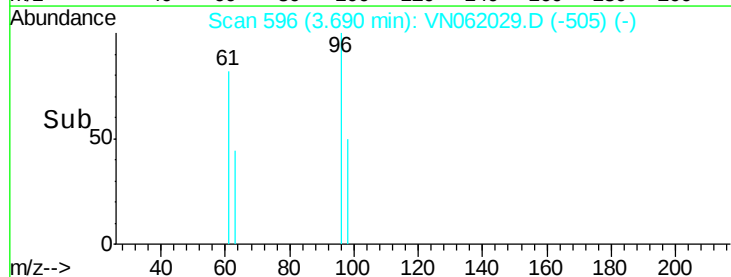
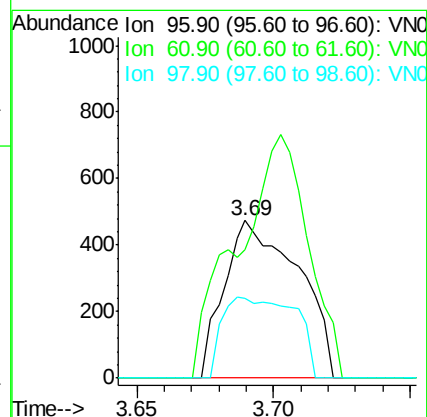
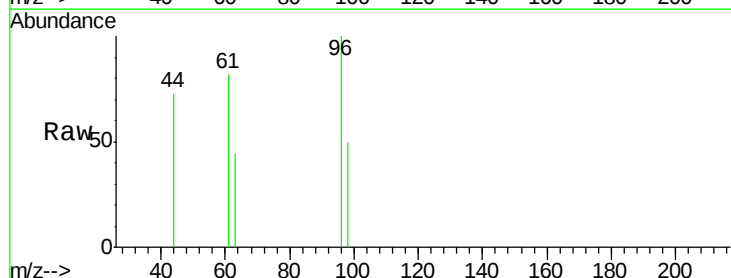
Tgt Ion: 96 Resp: 894

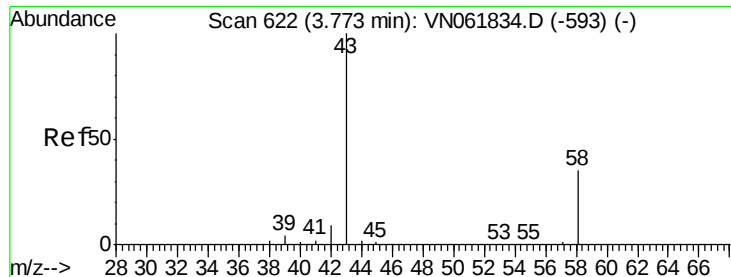
Ion Ratio Lower Upper

96 100

61 81.6 124.3 186.5#

98 50.3 53.1 79.7#





#16

Acetone

Concen: 27.792 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

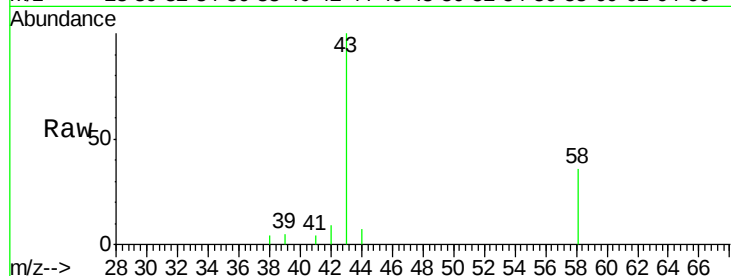
Z1-DUP-0572-200616

Tot Ion: 43 Resp: 17285

Ion Ratio Lower Upper

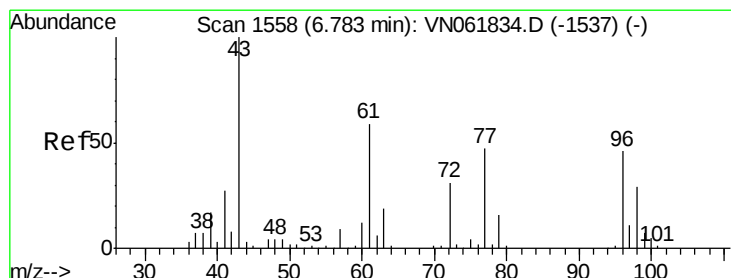
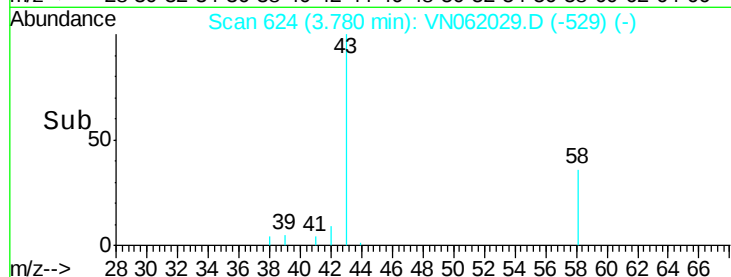
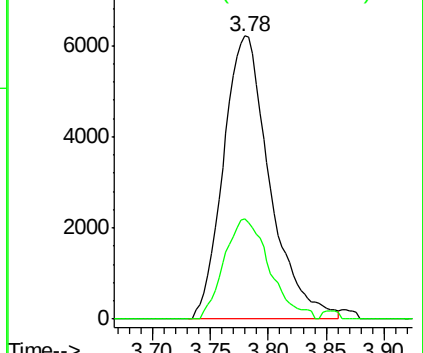
43 100

58 35.5 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-593) (-)



#25

2-Butanone

Concen: 259.802 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062029.D

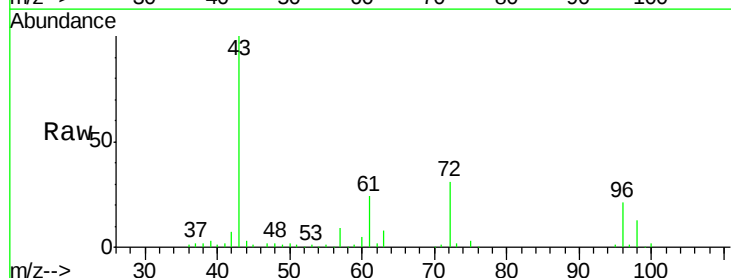
Acq: 23 Jun 2020 4:22

Tgt Ion: 43 Resp: 235752

Ion Ratio Lower Upper

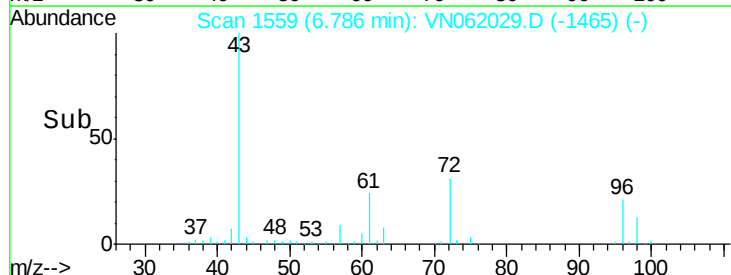
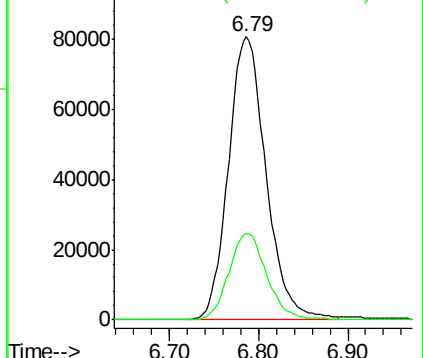
43 100

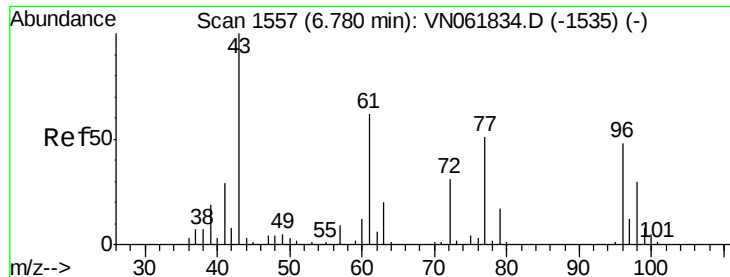
72 30.6 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-1537) (-)

Ion 72.00 (71.70 to 72.70): VN061834.D (-1537) (-)





#27

cis-1,2-Dichloroethene

Concen: 23.820 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

Z1-DUP-0572-200616

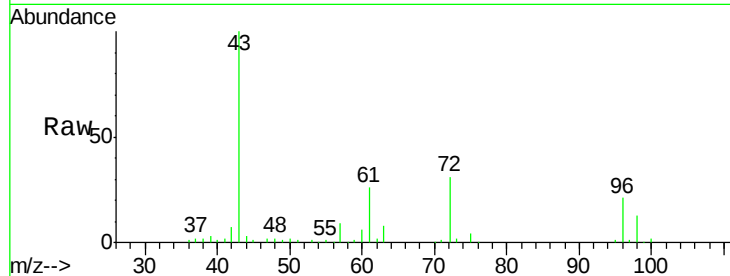
Tot Ion: 96 Resp: 50358

Ion Ratio Lower Upper

96 100

61 118.3 0.0 265.6

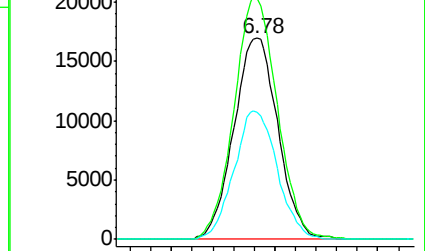
98 62.6 0.0 128.2



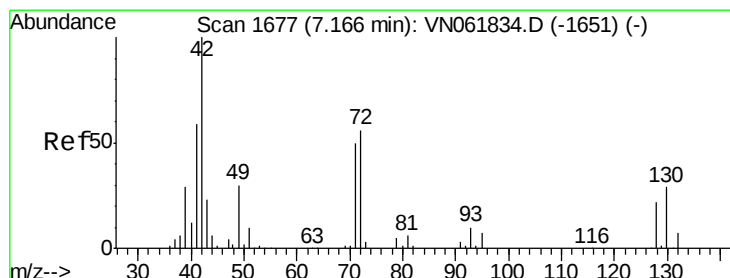
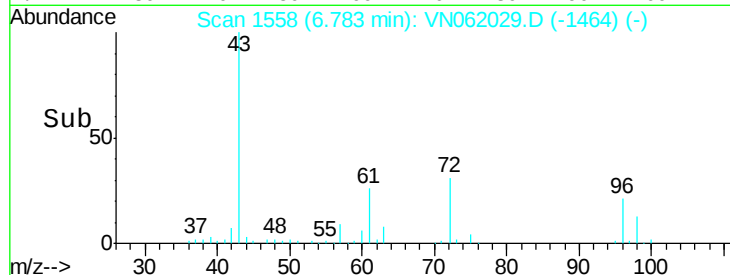
Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-1535) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-1535) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-1535) (-)



Time-->



#29

Tetrahydrofuran

Concen: 3.905 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

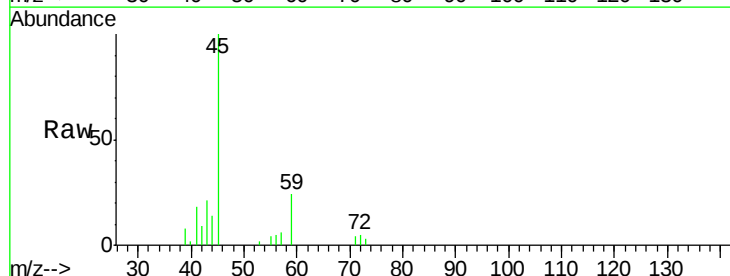
Tgt Ion: 42 Resp: 2332

Ion Ratio Lower Upper

42 100

72 37.9 44.0 66.0#

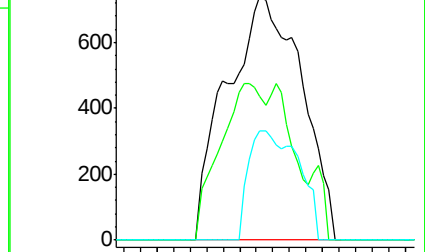
71 29.8 40.0 60.0#



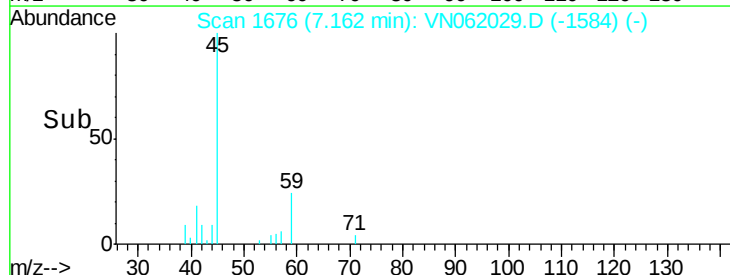
Abundance Ion 42.00 (41.70 to 42.70): VN061834.D (-1651) (-)

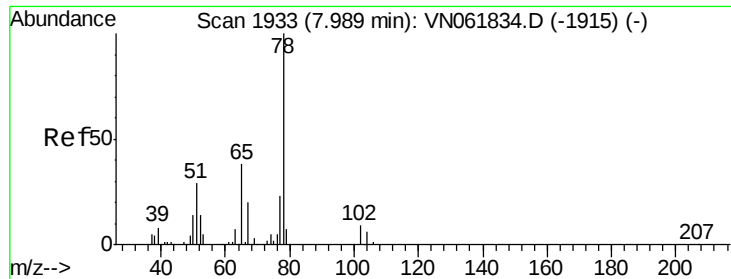
Ion 72.00 (71.70 to 72.70): VN061834.D (-1651) (-)

Ion 71.00 (70.70 to 71.70): VN061834.D (-1651) (-)



Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.428 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

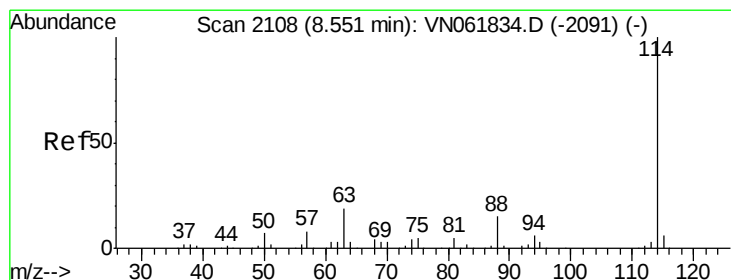
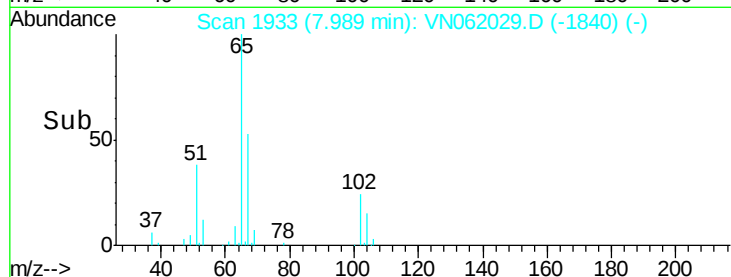
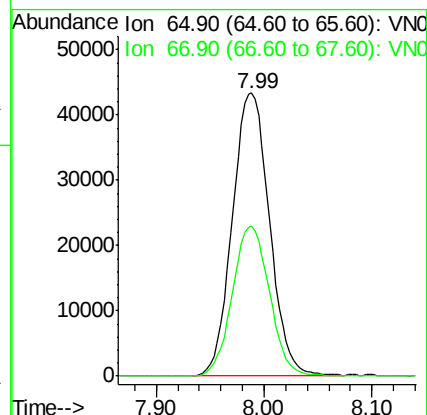
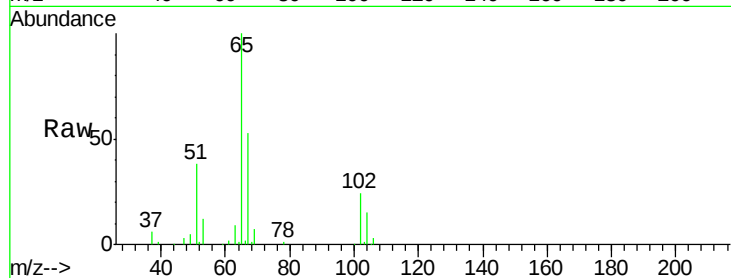
Z1-DUP-0572-200616

Tot Ion: 65 Resp: 104075

Ion Ratio Lower Upper

65 100

67 52.8 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: VN062029.D

Acq: 23 Jun 2020 4:22

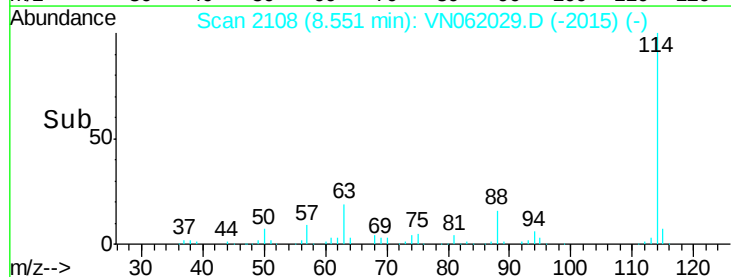
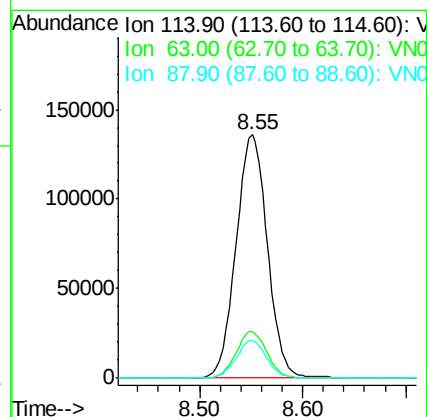
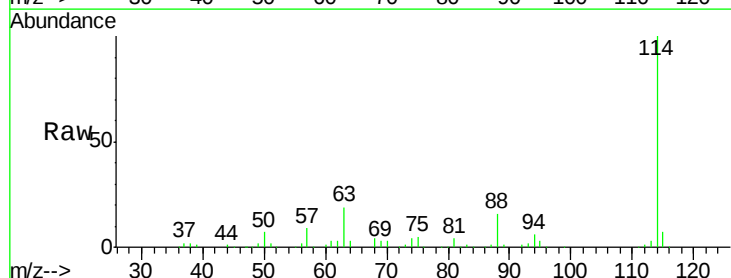
Tgt Ion: 114 Resp: 287814

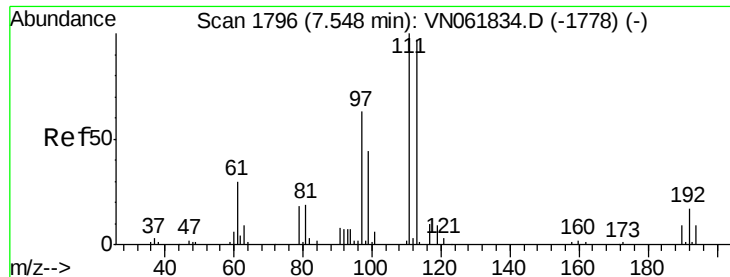
Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.6

88 15.6 0.0 31.0

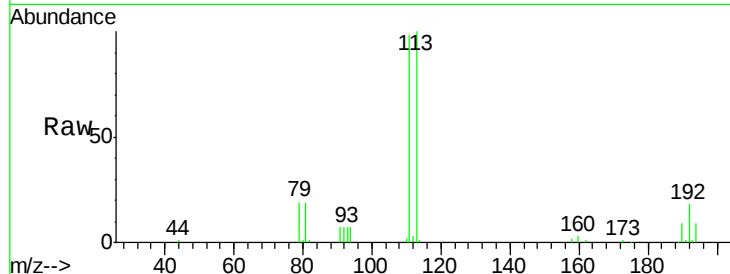




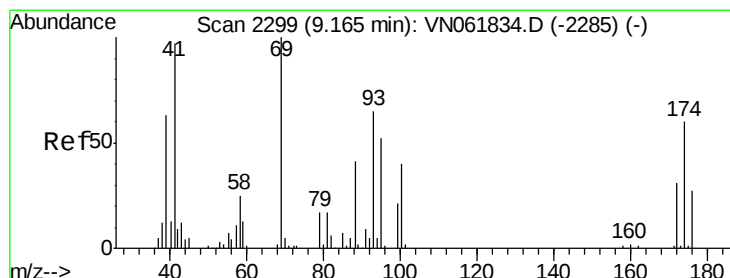
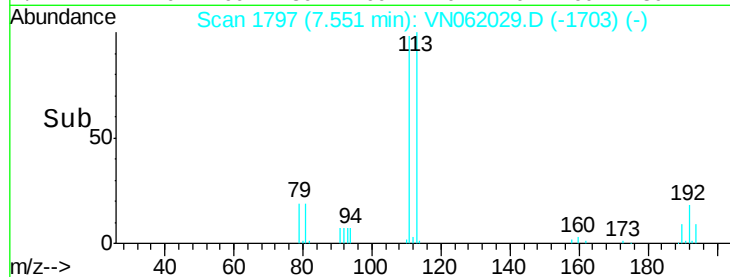
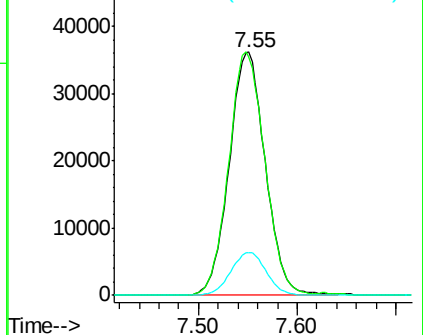
#35
 Dibromofluoromethane
 Concen: 49.941 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062029.D
 Acq: 23 Jun 2020 4:22

Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0572-200616

Tot Ion:113 Resp: 91955
 Ion Ratio Lower Upper
 113 100
 111 100.4 83.7 125.5
 192 17.3 13.9 20.9

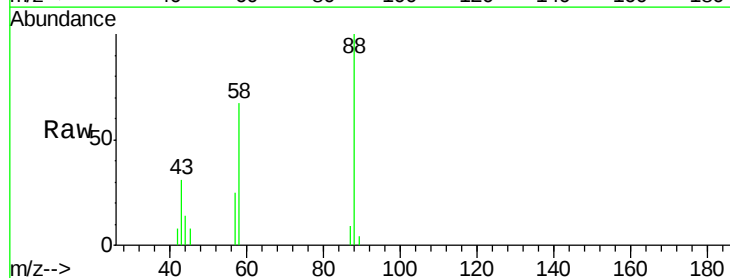


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

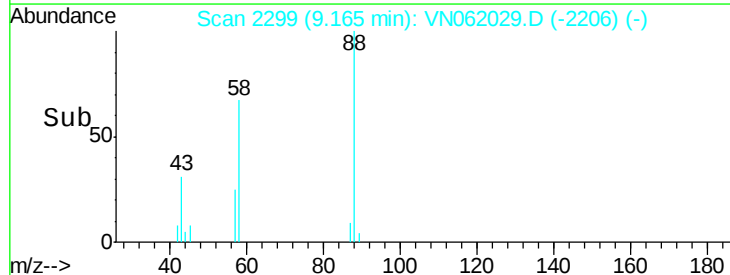
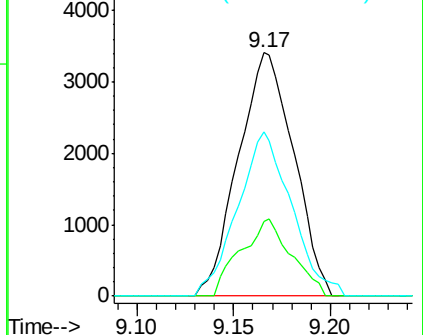


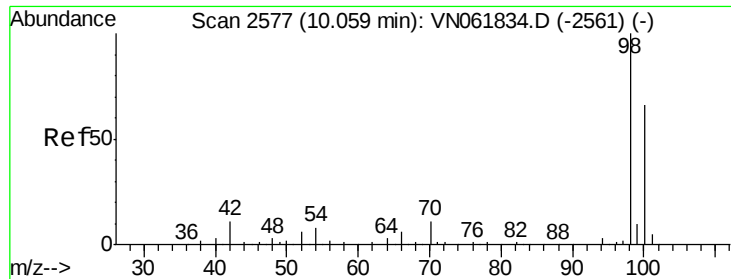
#49
 1,4-Dioxane
 Concen: 188.464 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062029.D
 Acq: 23 Jun 2020 4:22

Tgt Ion: 88 Resp: 6798
 Ion Ratio Lower Upper
 88 100
 43 29.0 23.4 35.2
 58 65.4 49.8 74.6



Abundance Ion 88.00 (87.70 to 88.70): V
 Ion 43.00 (42.70 to 43.70): V
 Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 50.818 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

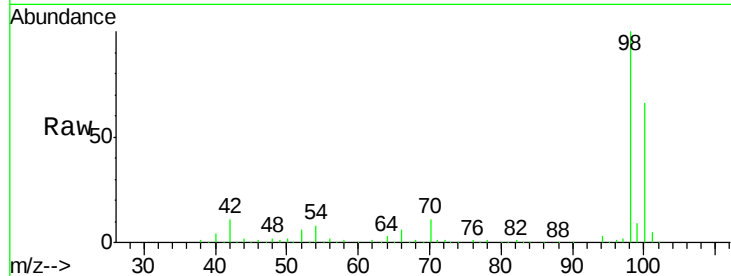
Z1-DUP-0572-200616

Tot Ion: 98 Resp: 367860

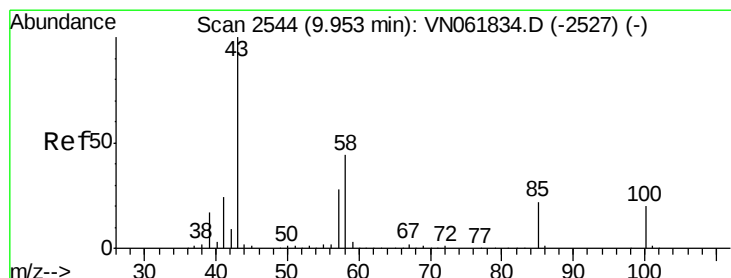
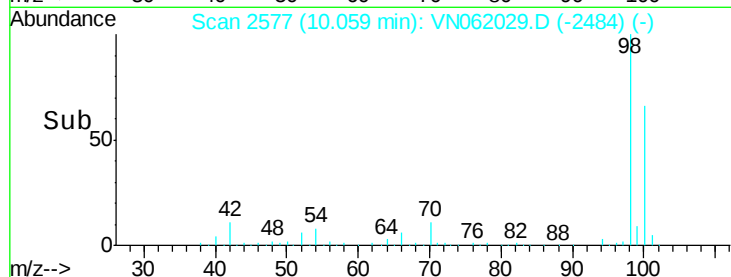
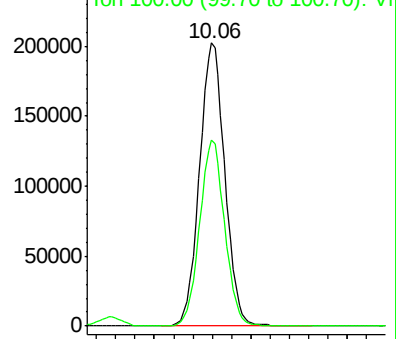
Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)



#51

4-Methyl-2-Pentanone

Concen: 29.086 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062029.D

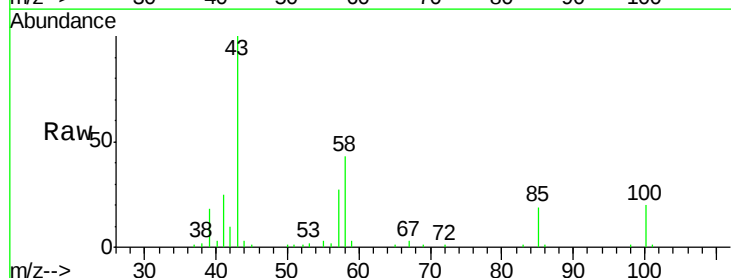
Acq: 23 Jun 2020 4:22

Tgt Ion: 43 Resp: 59380

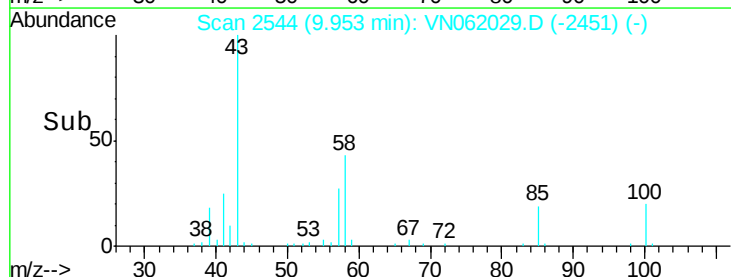
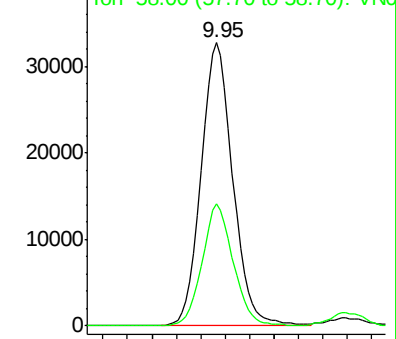
Ion Ratio Lower Upper

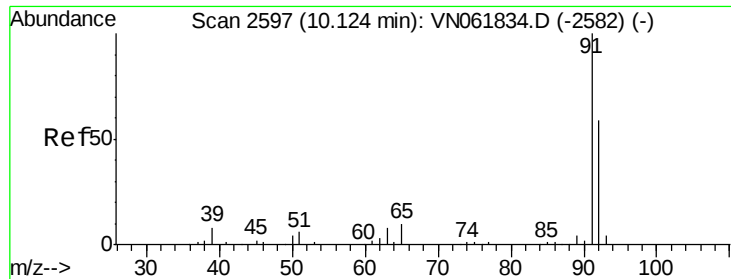
43 100

58 42.0 34.6 52.0



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





#52

Toluene

Concen: 57.522 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

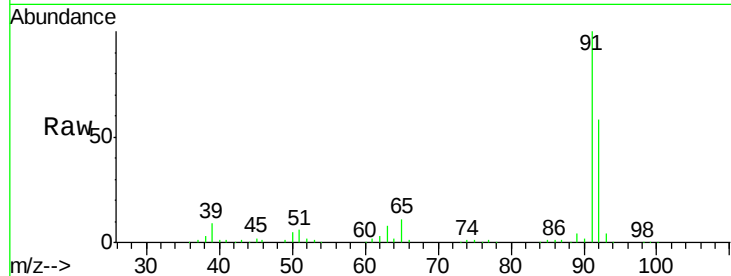
Z1-DUP-0572-200616

Tot Ion: 92 Resp: 287280

Ion Ratio Lower Upper

92 100

91 172.6 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN061834.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN061834.D (-2582) (-)

300000

250000

200000

150000

100000

50000

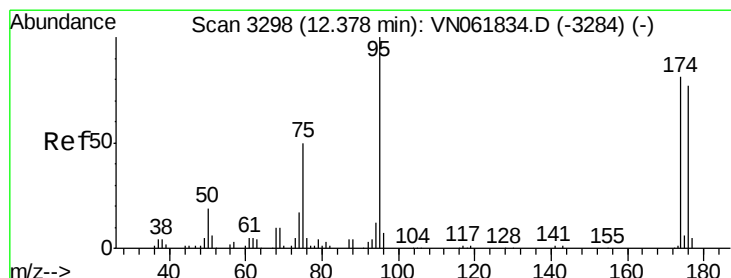
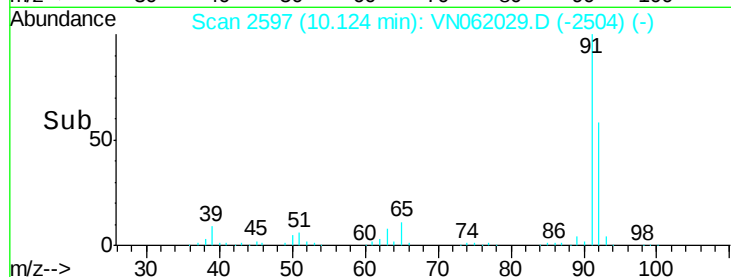
0

10.10

10.12

10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 47.510 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

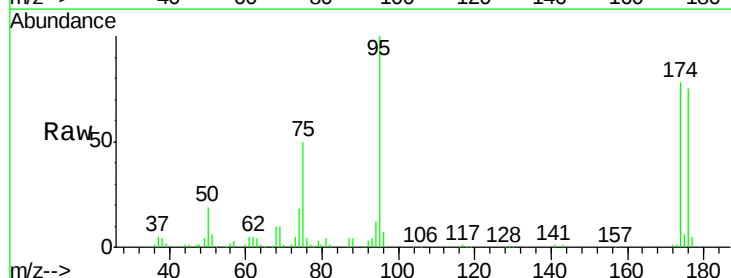
Tgt Ion: 95 Resp: 117969

Ion Ratio Lower Upper

95 100

174 78.0 0.0 158.6

176 75.3 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

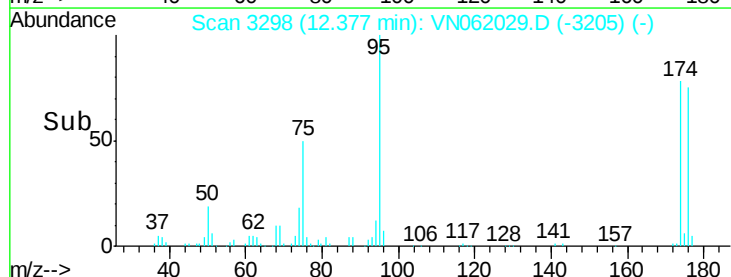
0

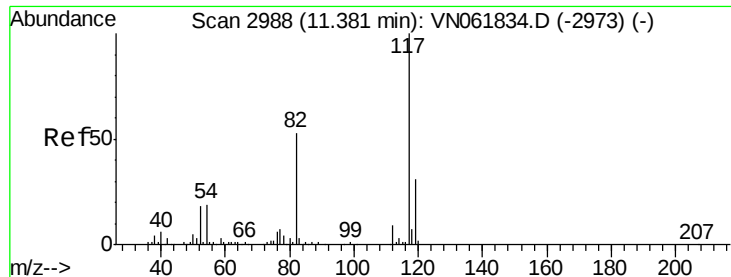
12.30

12.38

12.40

Time-->

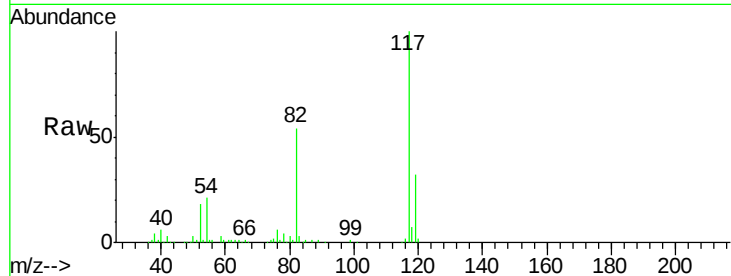




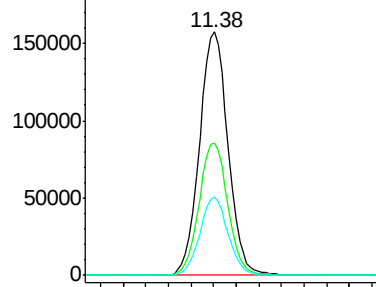
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0572-200616

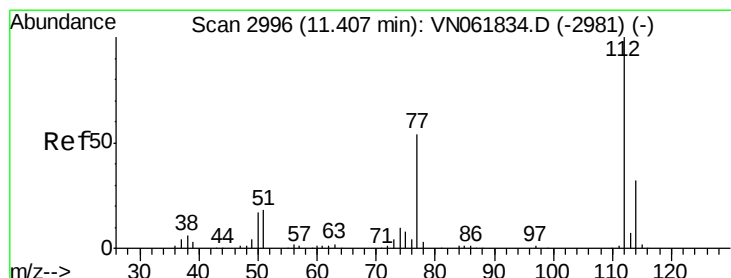
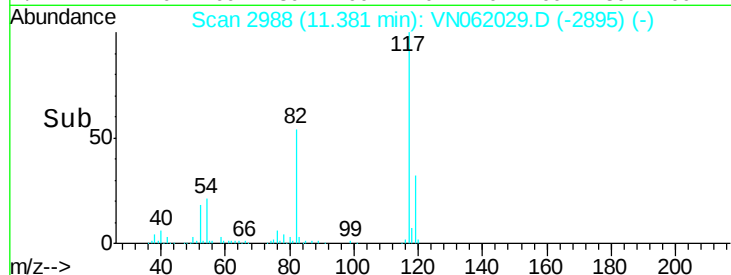
Tot Ion:117 Resp: 276377
Ion Ratio Lower Upper
117 100
82 54.2 42.6 64.0
119 32.0 24.7 37.1



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

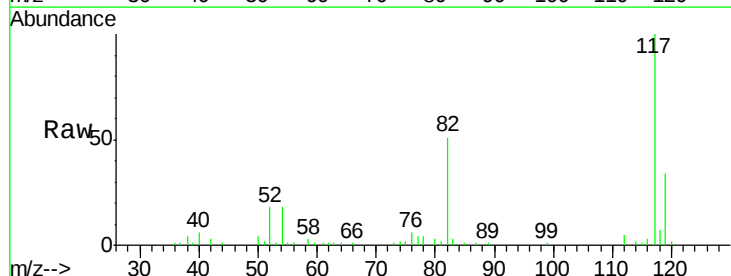


Time-->

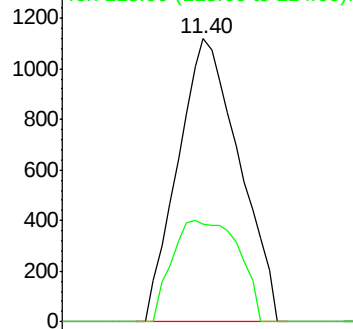


#65
Chlorobenzene
Concen: 0.318 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

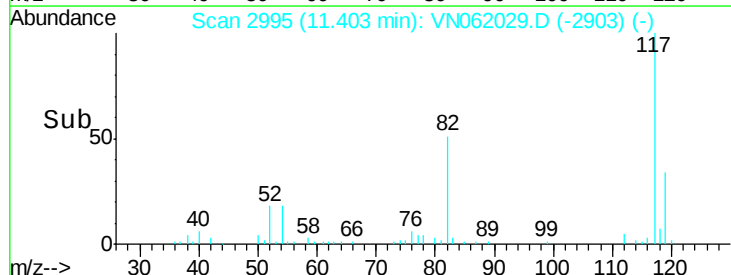
Tgt Ion:112 Resp: 1853
Ion Ratio Lower Upper
112 100
114 34.6 25.8 38.6

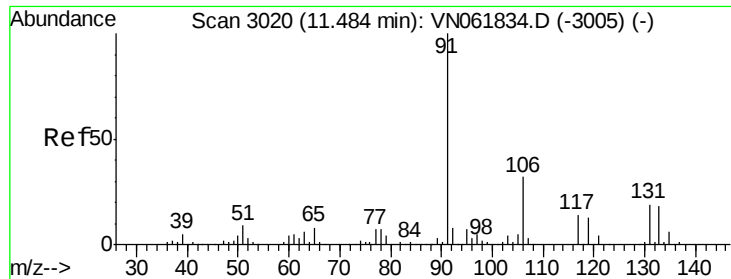


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



Time-->

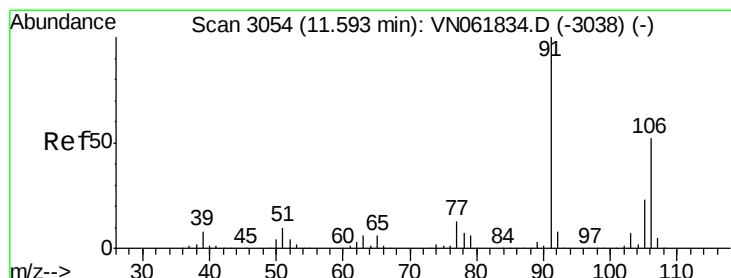
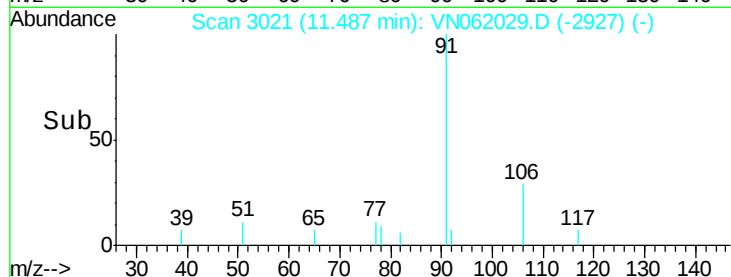
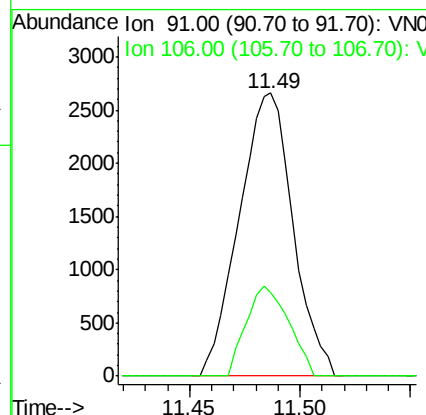
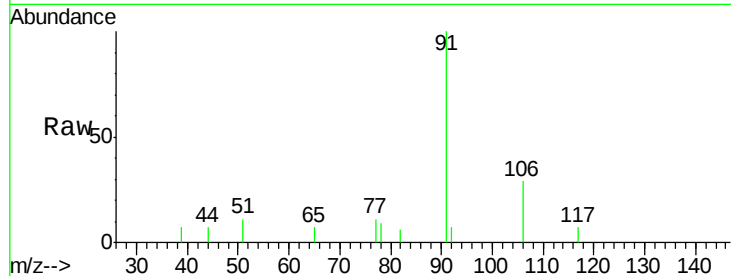




#67
Ethyl Benzene
Concen: 0.461 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

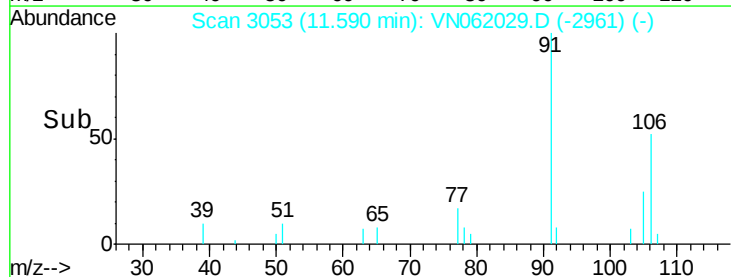
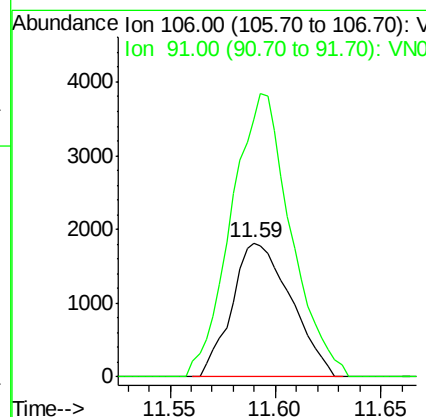
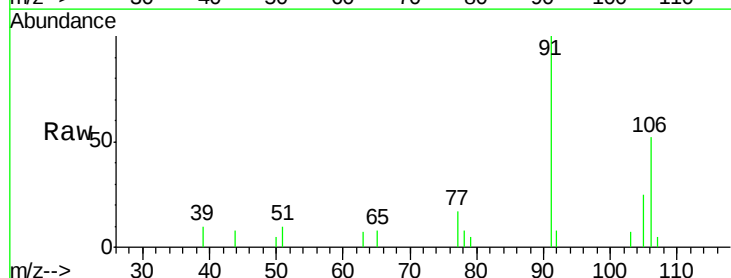
Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0572-200616

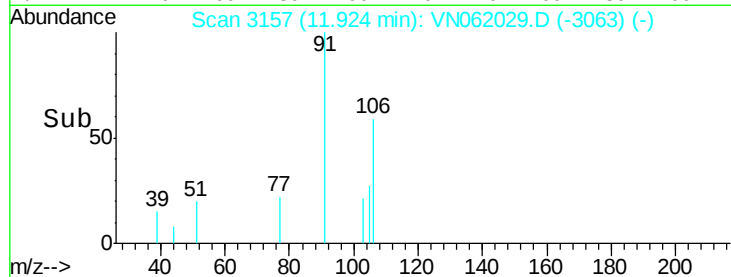
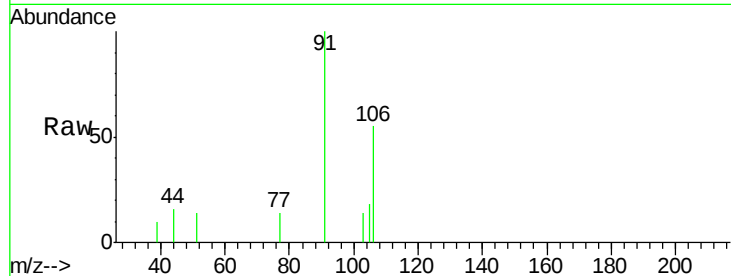
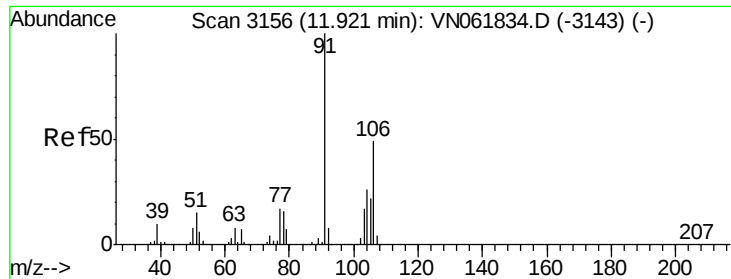
Tot Ion: 91 Resp: 4509
Ion Ratio Lower Upper
91 100
106 29.5 25.4 38.2



#68
m/p-Xylenes
Concen: 0.936 ug/l
RT: 11.59 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

Tgt Ion: 106 Resp: 3530
Ion Ratio Lower Upper
106 100
91 213.1 157.0 235.6

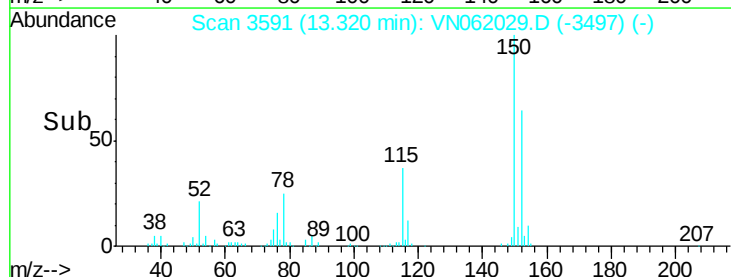
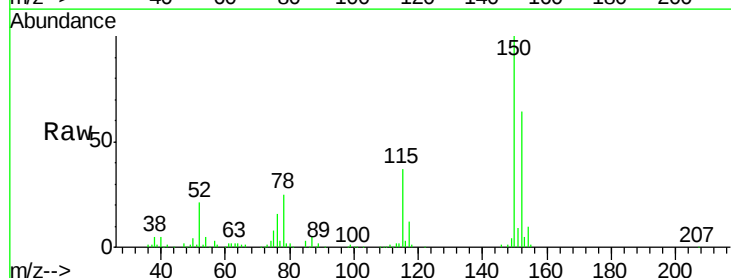
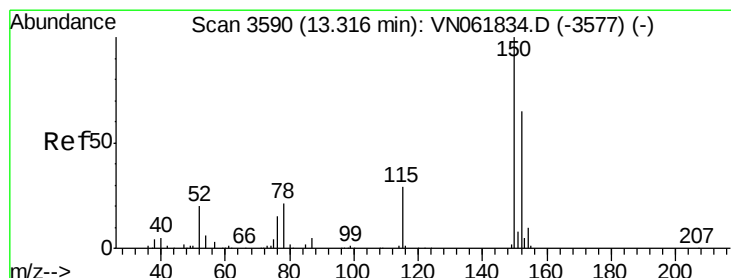
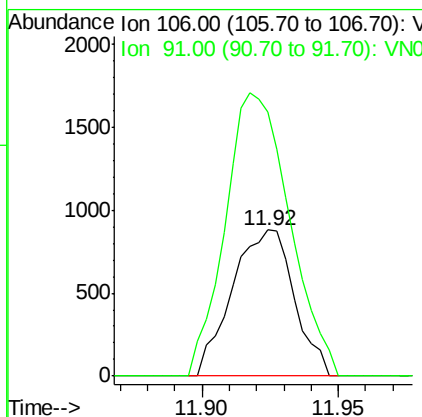




#69
o-Xylene
Concen: 0.385 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

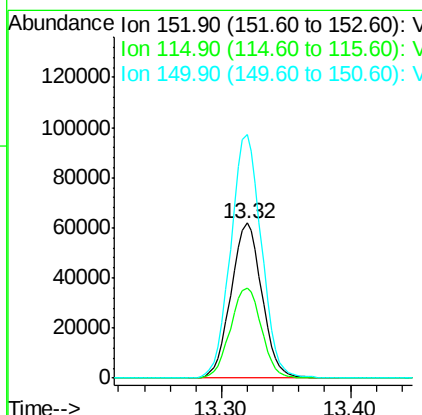
Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0572-200616

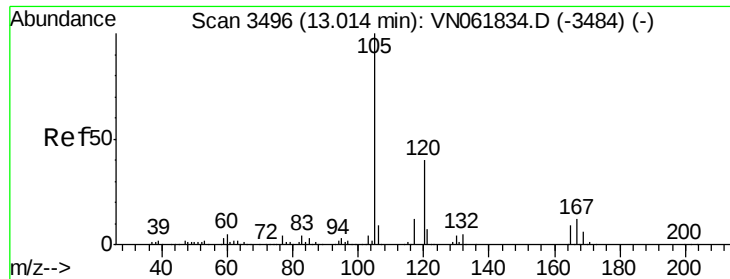
Tot Ion:106 Resp: 1385
Ion Ratio Lower Upper
106 100
91 201.6 103.0 308.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

Tgt Ion:152 Resp: 103397
Ion Ratio Lower Upper
152 100
115 58.5 29.1 87.3
150 156.0 0.0 347.6





#84

1,2,4-Trimethylbenzene

Concen: 0.626 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. -0.00 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

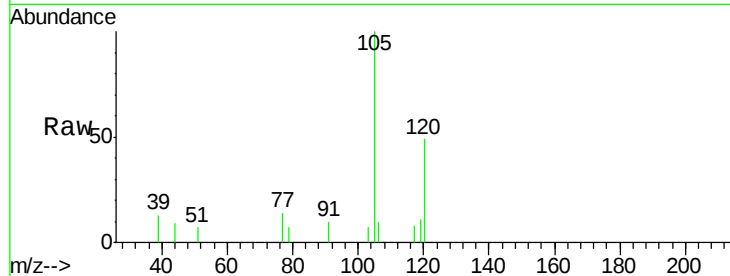
Z1-DUP-0572-200616

Tot Ion:105 Resp: 3755

Ion Ratio Lower Upper

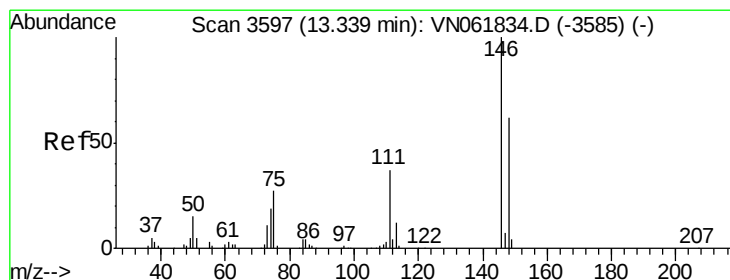
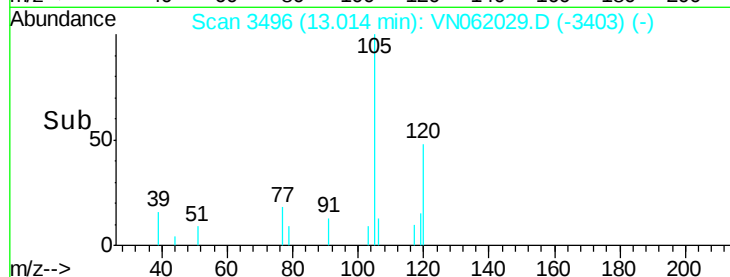
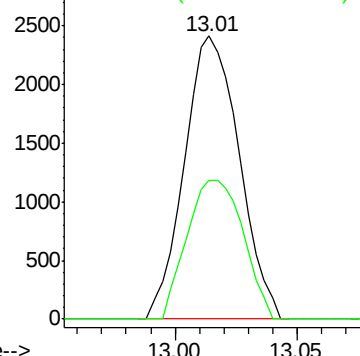
105 100

120 50.3 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#88

1,4-Dichlorobenzene

Concen: 1.063 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

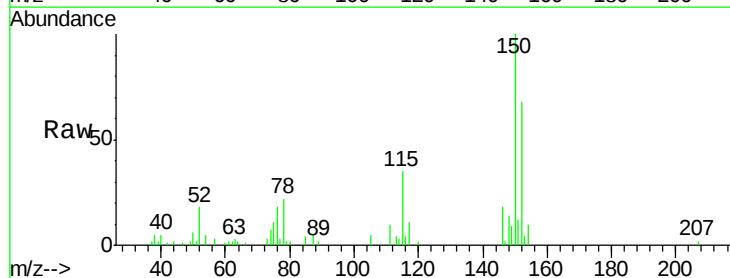
Tgt Ion:146 Resp: 3680

Ion Ratio Lower Upper

146 100

111 44.9 19.3 57.8

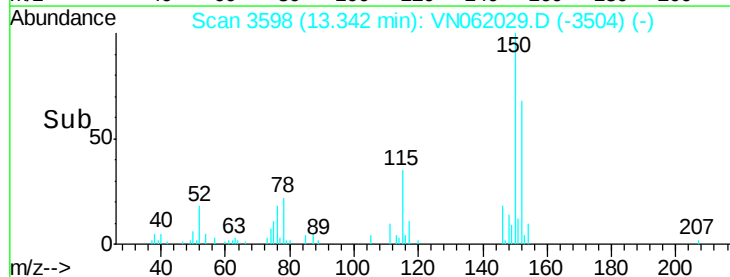
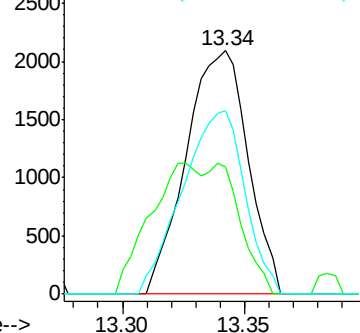
148 75.9 31.6 94.7

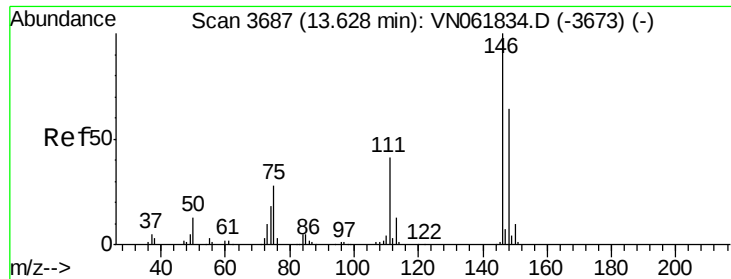


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 5.646 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

Z1-DUP-0572-200616

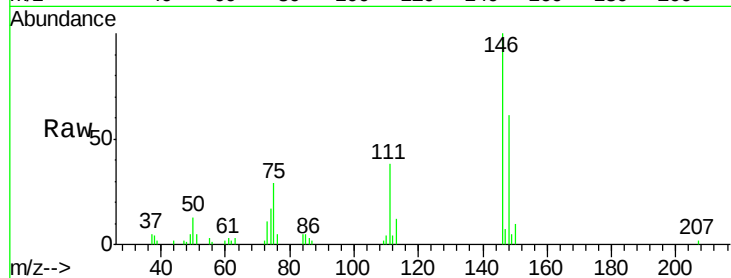
Tot Ion:146 Resp: 18378

Ion Ratio Lower Upper

146 100

111 38.1 20.4 61.2

148 59.0 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

