

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061963.D
 Acq On : 19 Jun 2020 19:36
 Operator : JC/MD
 Sample : L3033-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jun 22 01:24:05 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	154927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	281681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	271908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	108781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	101875	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	7.55	113	88359	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	10.06	98	349705	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.38	95	120030	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds

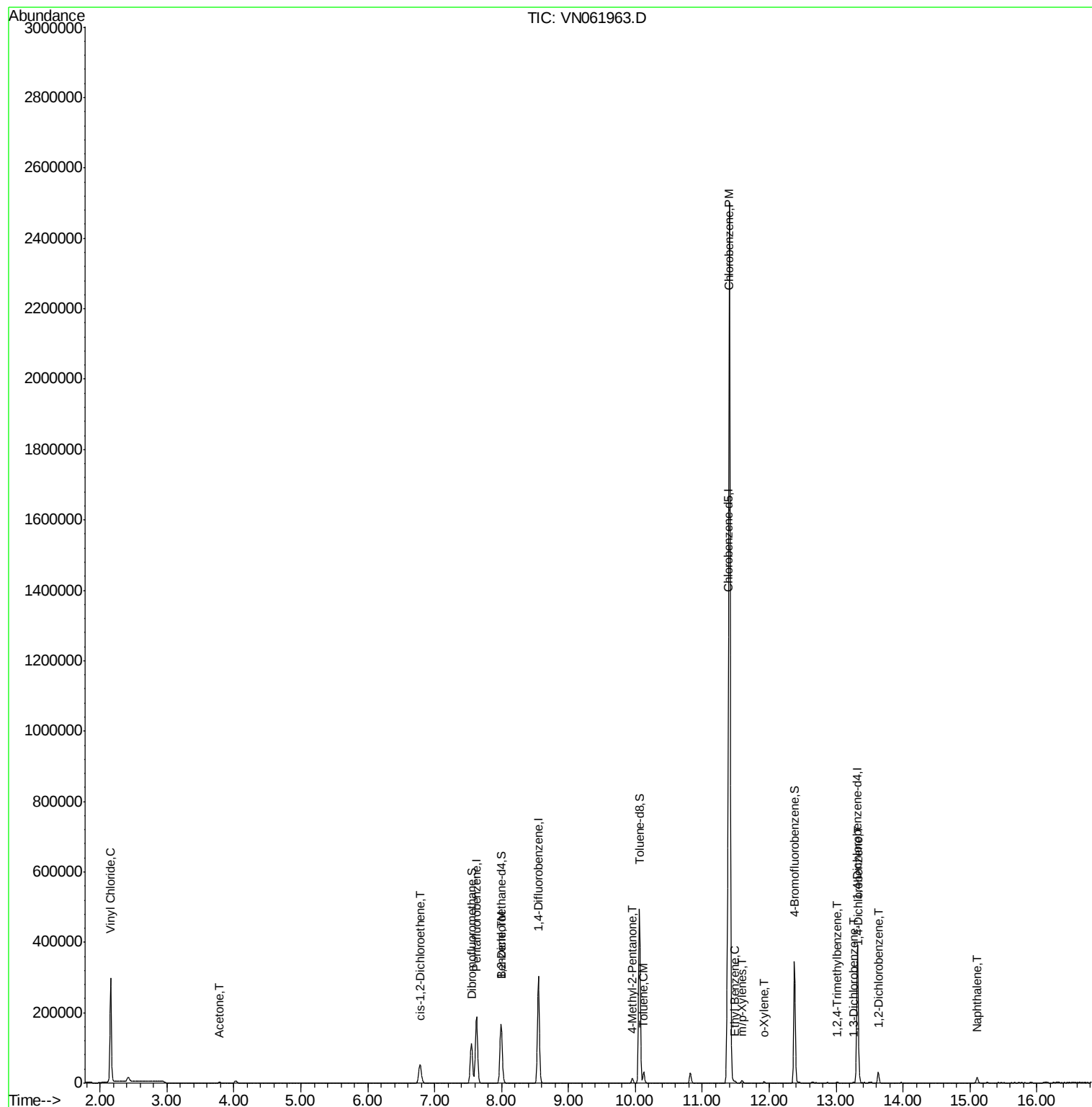
						Qvalue
4) Vinyl Chloride	2.16	62	261722	102.090	ug/l	100
16) Acetone	3.79	43	3563	5.805	ug/l	91
27) cis-1,2-Dichloroethene	6.78	96	34030	16.312	ug/l	92
40) Benzene	8.00	78	67004	8.609	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	9965	4.987	ug/l	94
52) Toluene	10.13	92	13468	2.755	ug/l	98
65) Chlorobenzene	11.41	112	1392614	242.722	ug/l	100
67) Ethyl Benzene	11.48	91	3144	0.327	ug/l	94
68) m/p-Xylenes	11.59	106	2386	0.643	ug/l	95
69) o-Xylene	11.92	106	1239	0.350	ug/l	92
84) 1,2,4-Trimethylbenzene	13.02	105	2652	0.420	ug/l	95
87) 1,3-Dichlorobenzene	13.26	146	1915	0.538	ug/l	94
88) 1,4-Dichlorobenzene	13.34	146	8892	2.442	ug/l	86
91) 1,2-Dichlorobenzene	13.63	146	14336	4.187	ug/l	99
95) Naphthalene	15.11	128	15055	6.072	ug/l	99

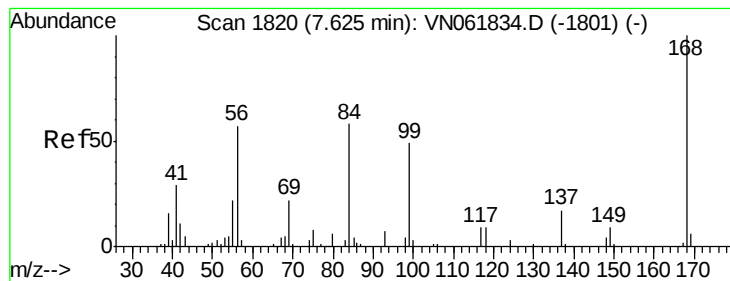
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN061963.D

Acq: 19 Jun 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

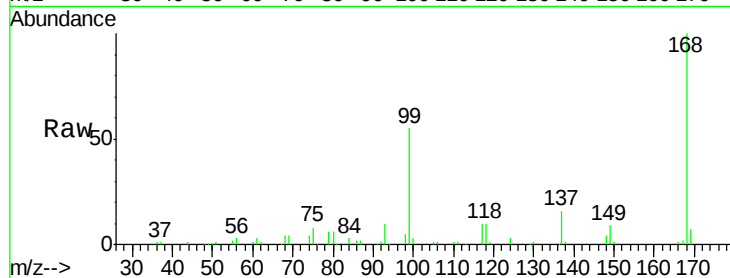
Z1-DUP-0571-200615

Tot Ion:168 Resp: 154927

Ion Ratio Lower Upper

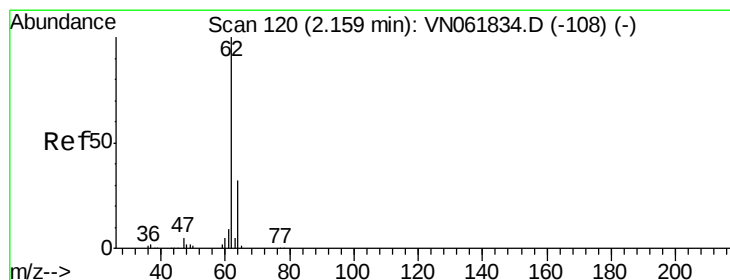
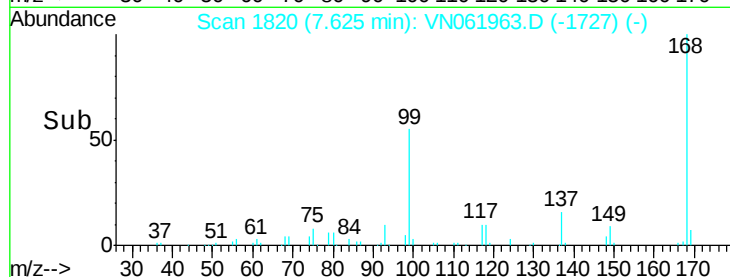
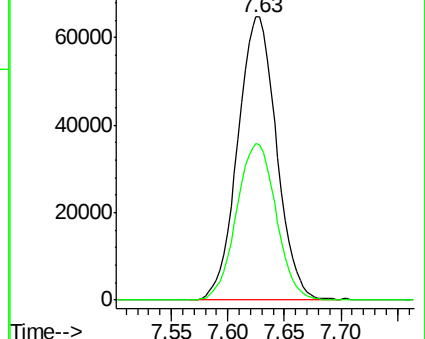
168 100

99 55.2 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: 102.090 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061963.D

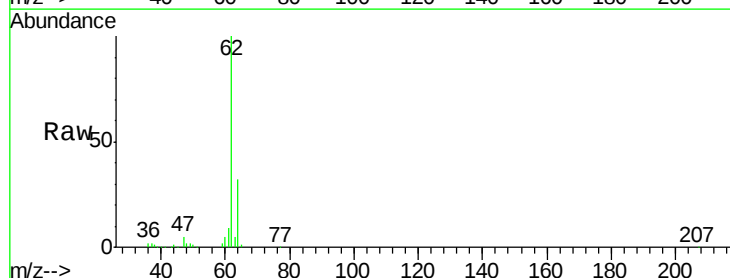
Acq: 19 Jun 2020 19:36

Tgt Ion: 62 Resp: 261722

Ion Ratio Lower Upper

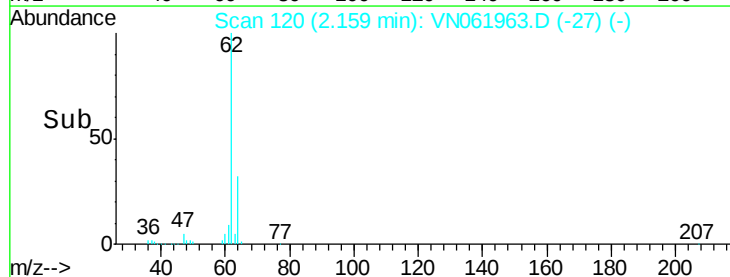
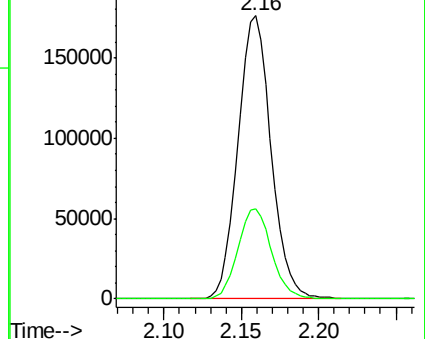
62 100

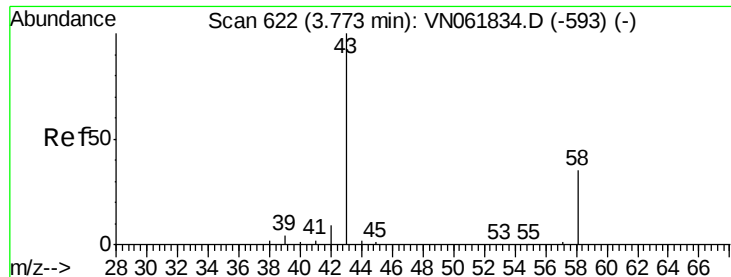
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

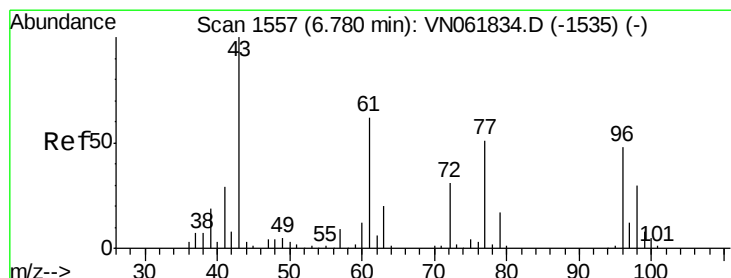
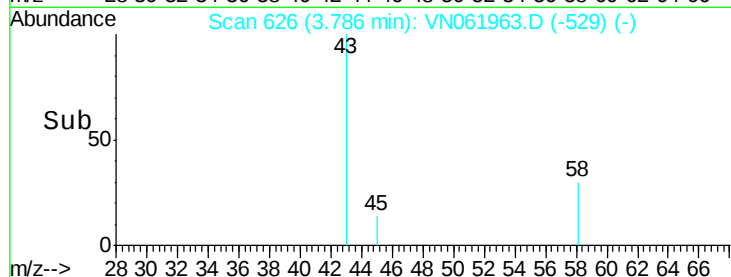
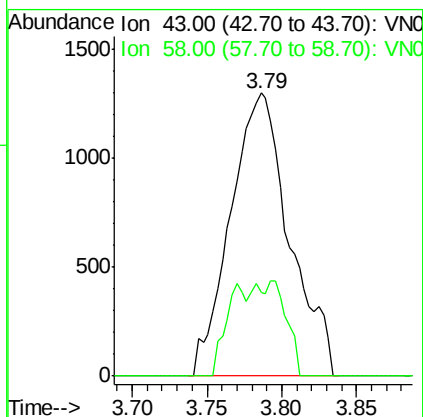
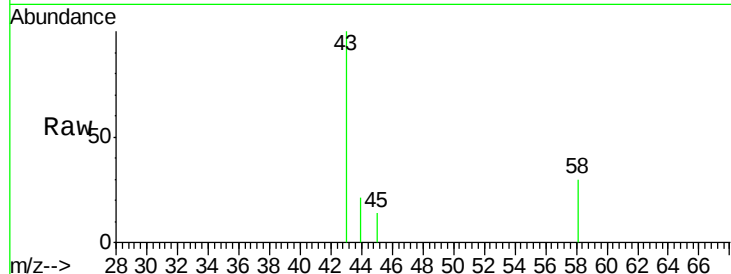




#16
Acetone
Concen: 5.805 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN061963.D
Acq: 19 Jun 2020 19:36

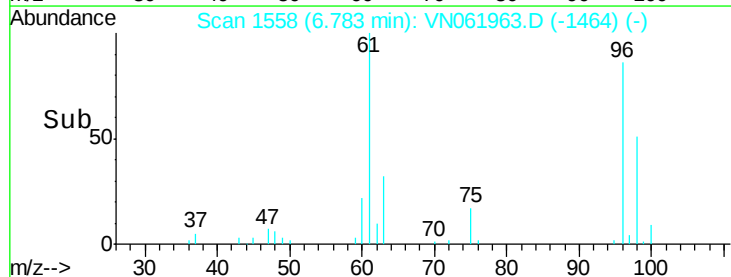
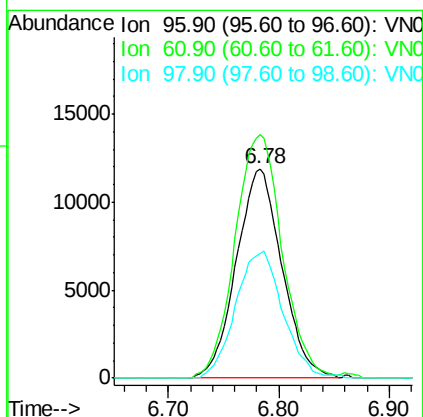
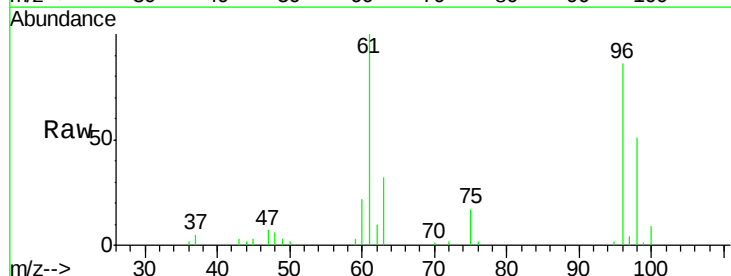
Instrument :
MSVOA_N
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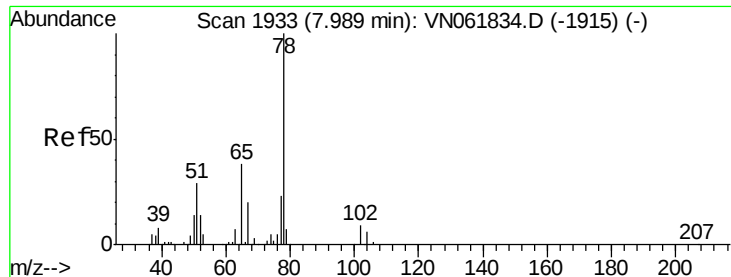
Tot Ion: 43 Resp: 3563
Ion Ratio Lower Upper
43 100
58 29.8 27.8 41.8



#27
cis-1,2-Dichloroethene
Concen: 16.312 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VN061963.D
Acq: 19 Jun 2020 19:36

Tgt Ion: 96 Resp: 34030
Ion Ratio Lower Upper
96 100
61 120.6 0.0 265.6
98 62.7 0.0 128.2





#33

1,2-Dichloroethane-d4

Concen: 49.030 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

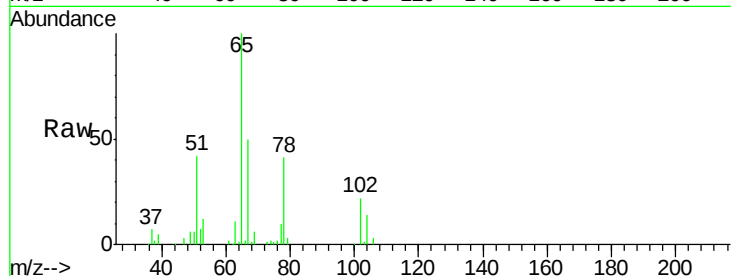
Z1-DUP-0571-200615

Tot Ion: 65 Resp: 101875

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.2

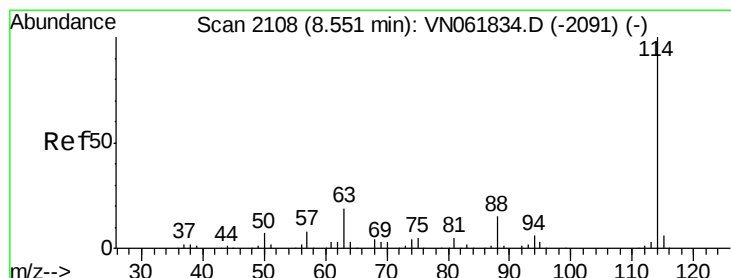
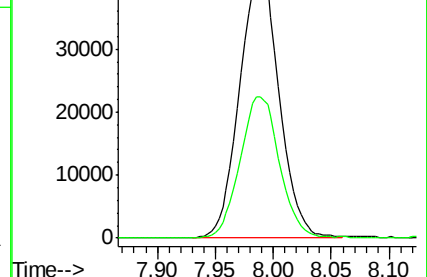
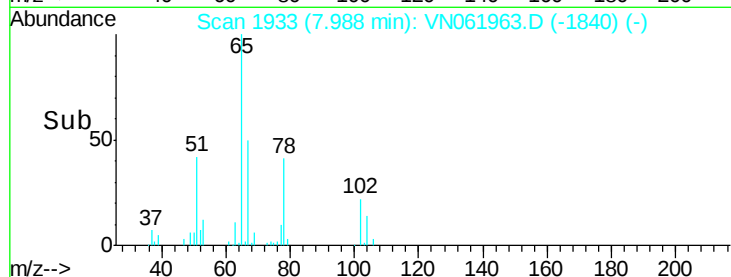


Abundance Ion 64.90 (64.60 to 65.60): VN061834.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN061834.D (-1915) (-)

7.99

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

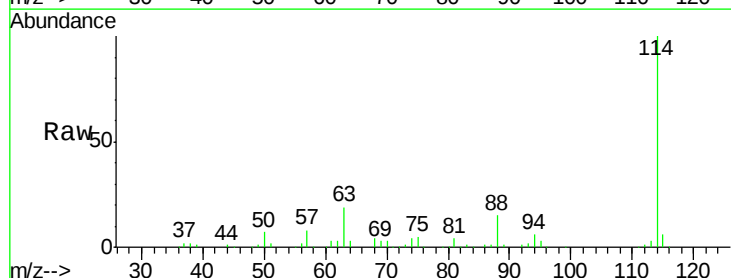
Tgt Ion: 114 Resp: 281681

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.6

88 15.1 0.0 31.0



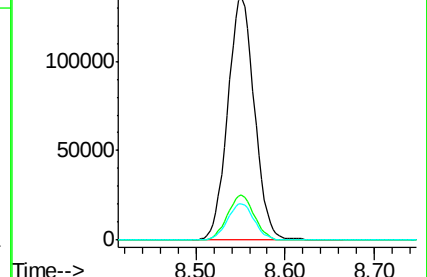
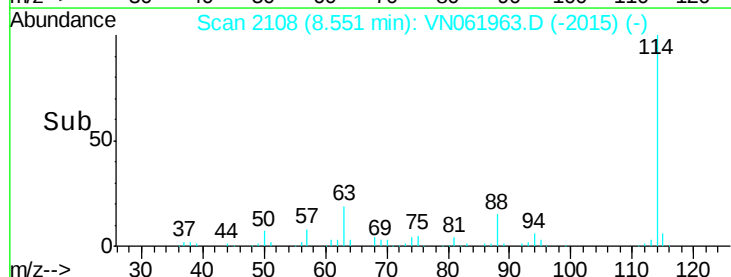
Abundance Ion 113.90 (113.60 to 114.60): VN061834.D (-2091) (-)

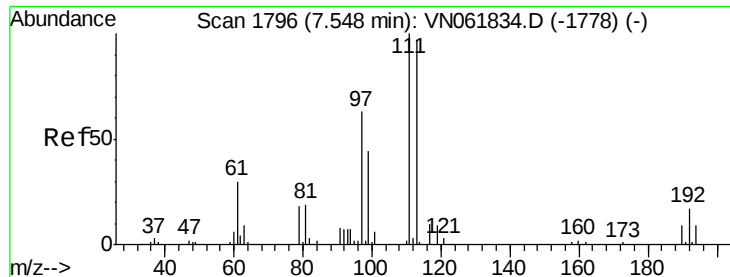
Ion 63.00 (62.70 to 63.70): VN061834.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN061834.D (-2091) (-)

8.55

Time-->

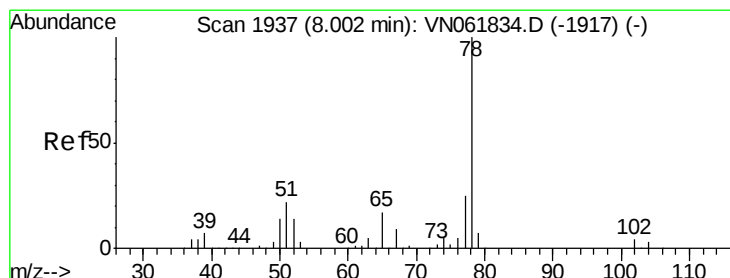
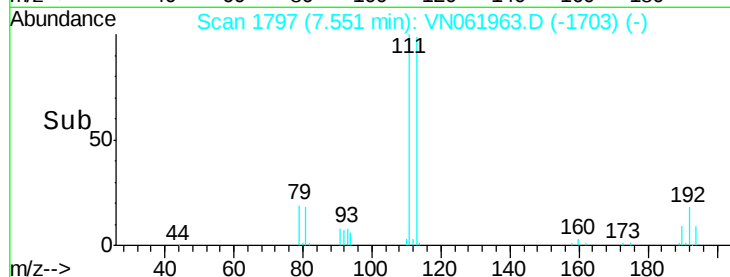
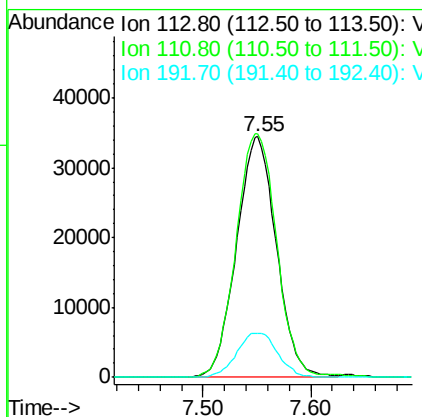
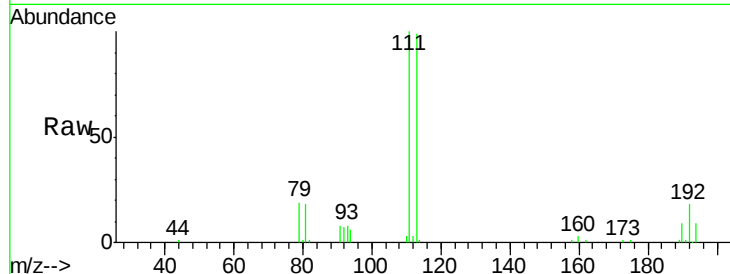




#35
 Dibromofluoromethane
 Concen: 49.033 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061963.D
 Acq: 19 Jun 2020 19:36

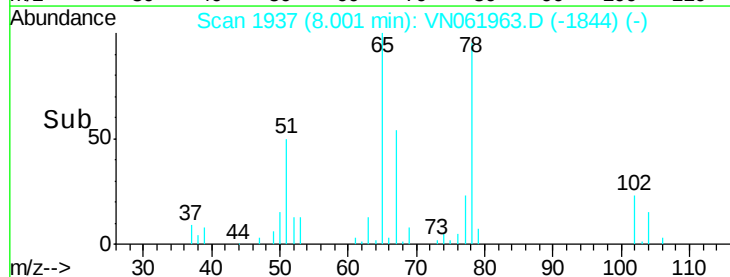
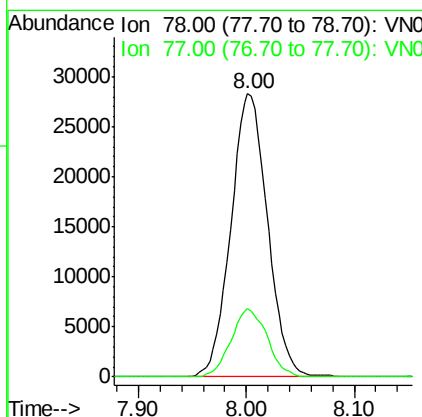
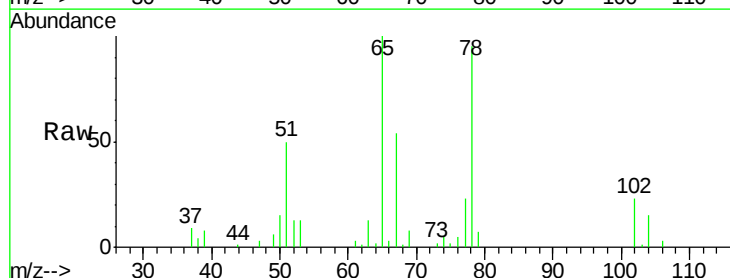
Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0571-200615

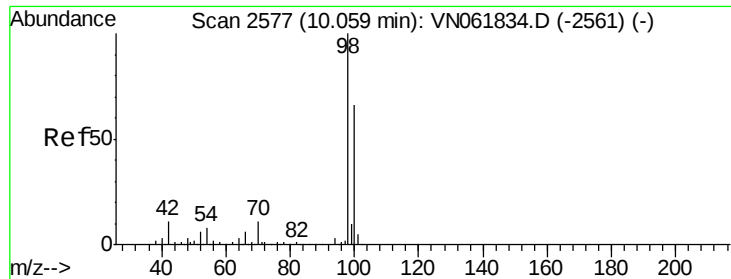
Tot Ion:113 Resp: 88359
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.7 125.5
 192 18.9 13.9 20.9



#40
 Benzene
 Concen: 8.609 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN061963.D
 Acq: 19 Jun 2020 19:36

Tgt Ion: 78 Resp: 67004
 Ion Ratio Lower Upper
 78 100
 77 24.2 19.7 29.5

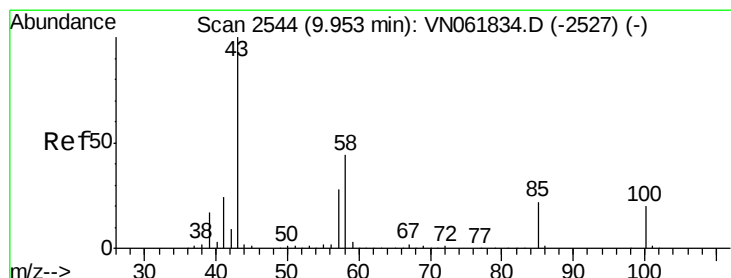
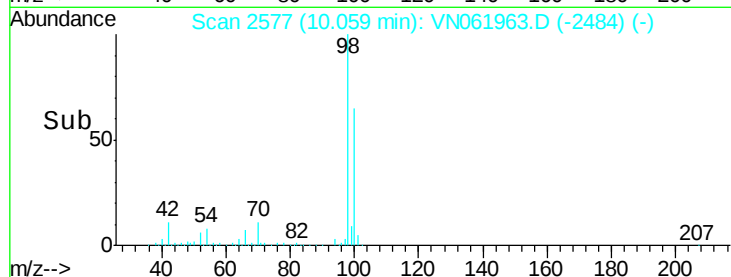
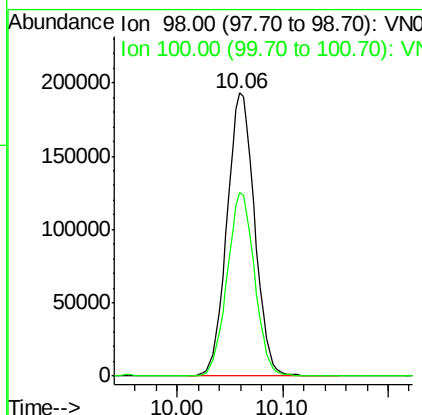
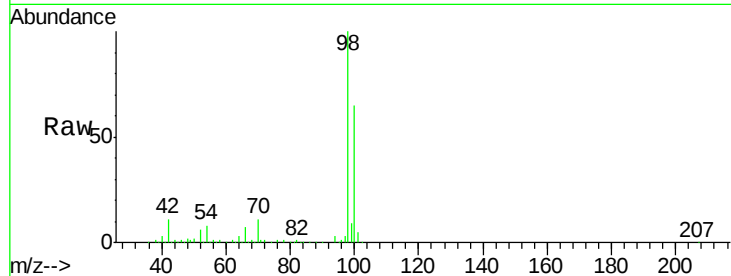




#50
Toluene-d8
Concen: 49.361 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061963.D
Acq: 19 Jun 2020 19:36

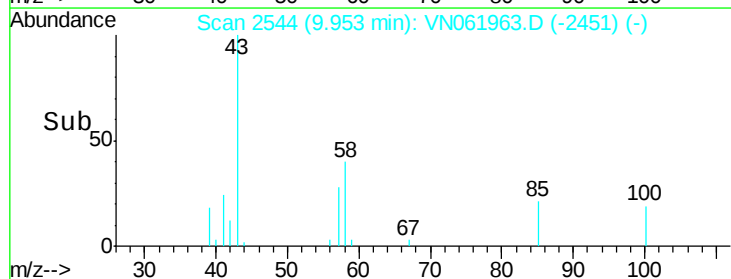
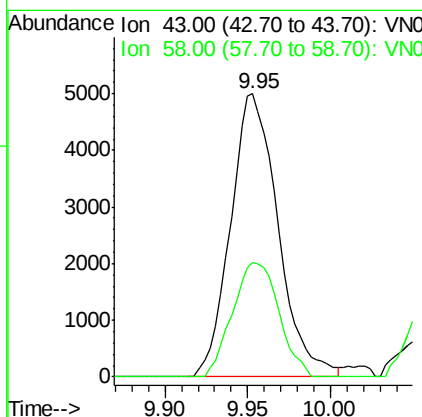
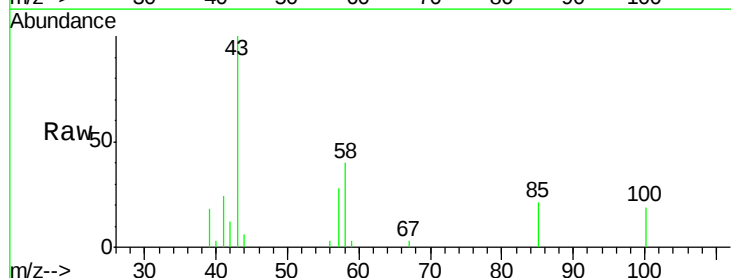
Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0571-200615

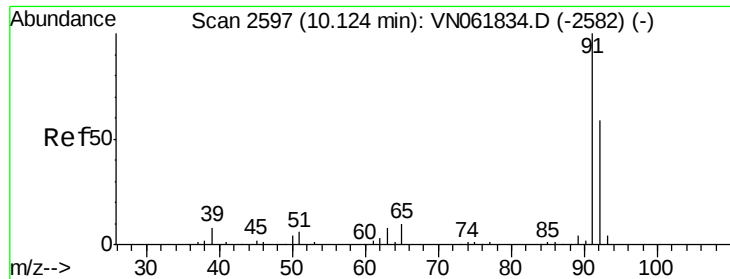
Tot Ion: 98 Resp: 349705
Ion Ratio Lower Upper
98 100
100 64.4 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 4.987 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN061963.D
Acq: 19 Jun 2020 19:36

Tgt Ion: 43 Resp: 9965
Ion Ratio Lower Upper
43 100
58 39.3 34.6 52.0





#52

Toluene

Concen: 2.755 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

Instrument :

MSVOA_N

ClientSampleId :

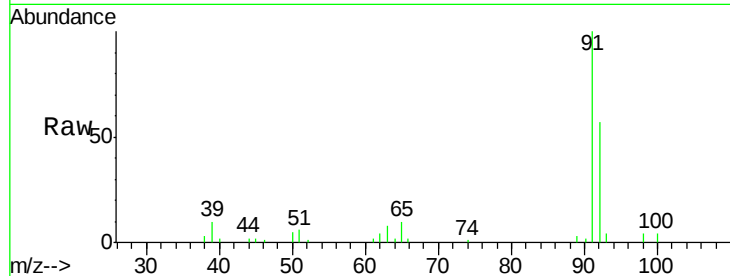
Z1-DUP-0571-200615

Tot Ion: 92 Resp: 13468

Ion Ratio Lower Upper

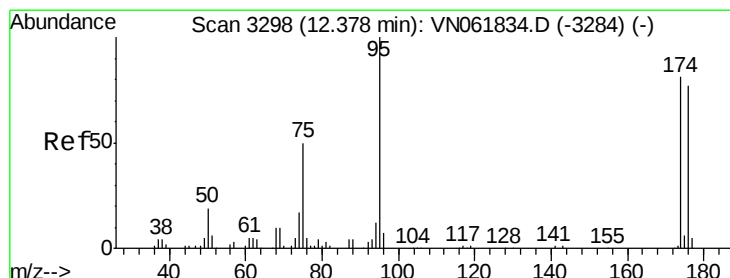
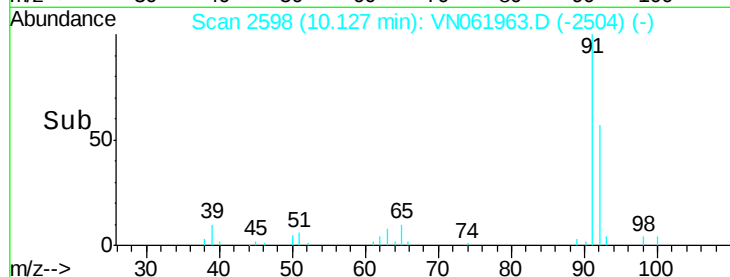
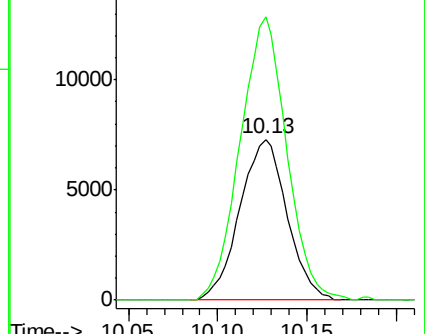
92 100

91 174.0 137.1 205.7



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

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



#62

4-Bromofluorobenzene

Concen: 49.393 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

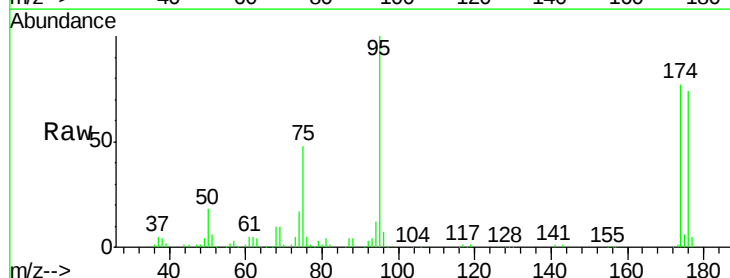
Tgt Ion: 95 Resp: 120030

Ion Ratio Lower Upper

95 100

174 78.5 0.0 158.6

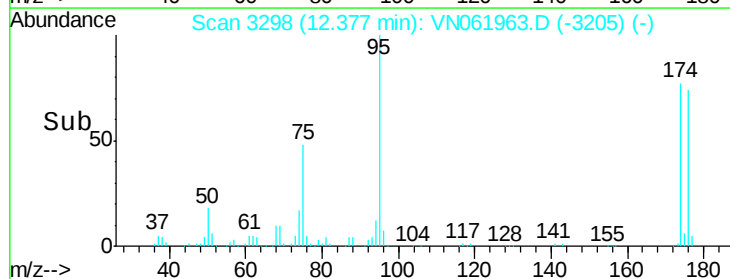
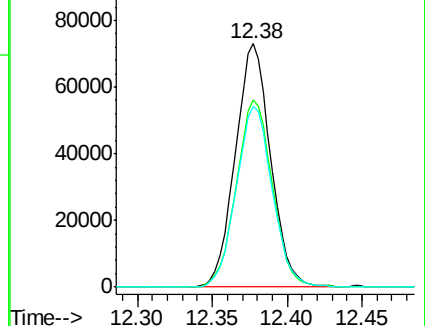
176 76.2 0.0 152.0

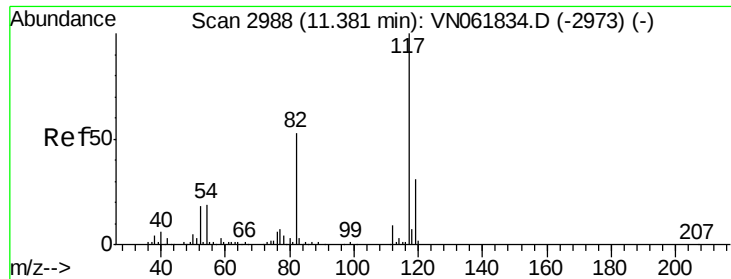


Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

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

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

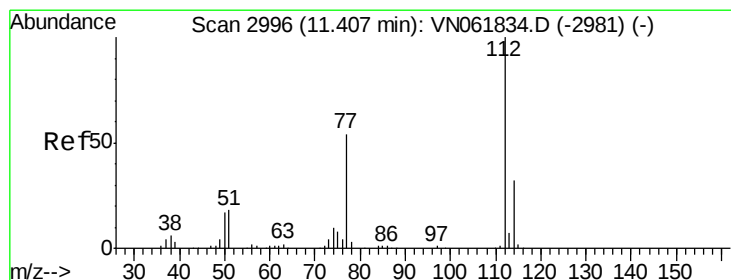
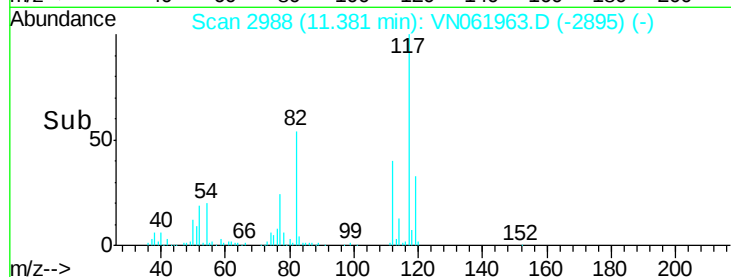
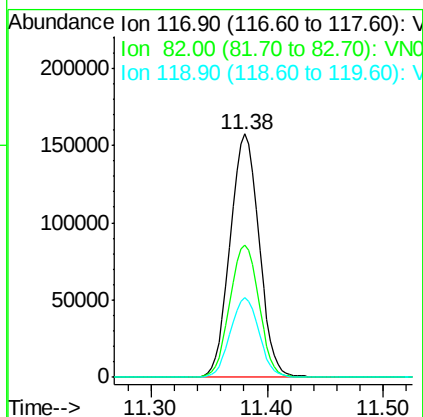
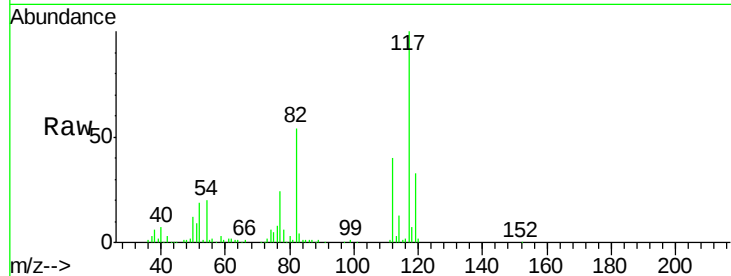




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061963.D
Acq: 19 Jun 2020 19:36

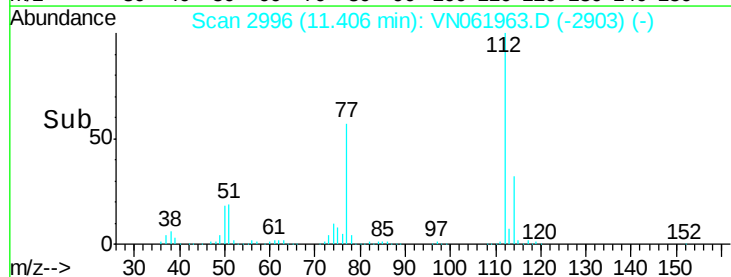
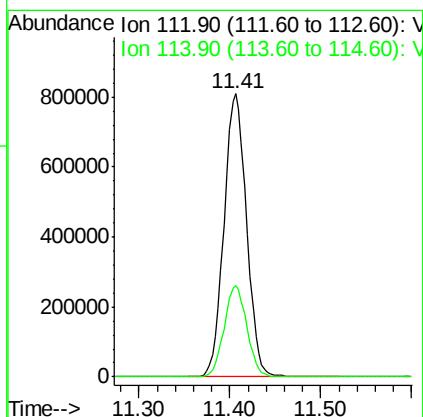
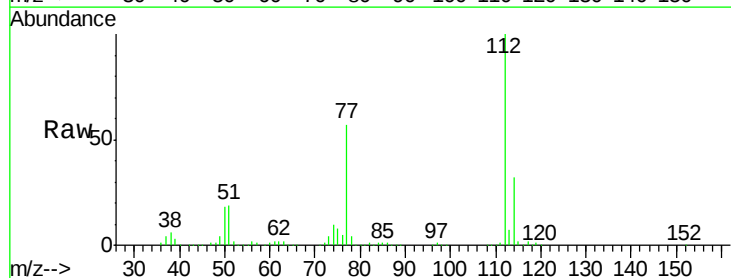
Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0571-200615

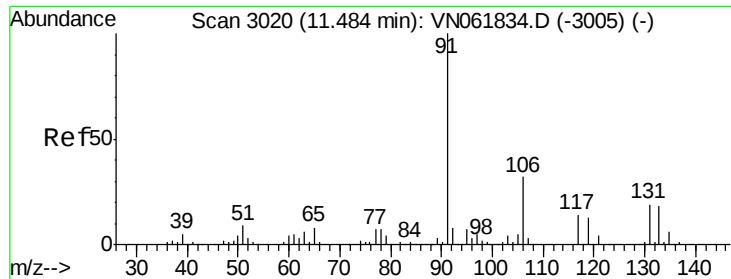
Tot Ion:117 Resp: 271908
Ion Ratio Lower Upper
117 100
82 54.5 42.6 64.0
119 32.5 24.7 37.1



#65
Chlorobenzene
Concen: 242.722 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061963.D
Acq: 19 Jun 2020 19:36

Tgt Ion:112 Resp: 1392614
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6

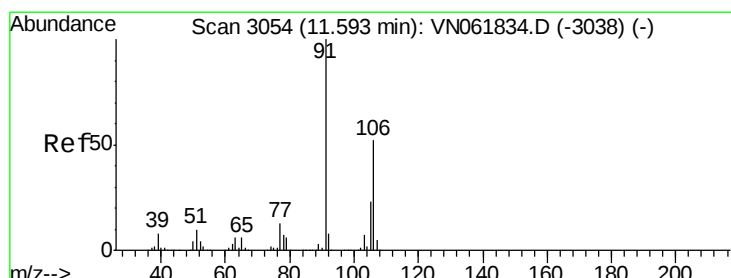
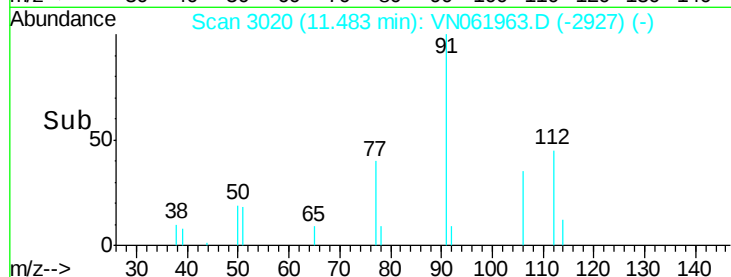
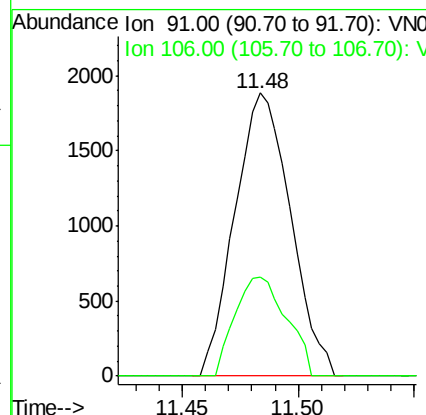
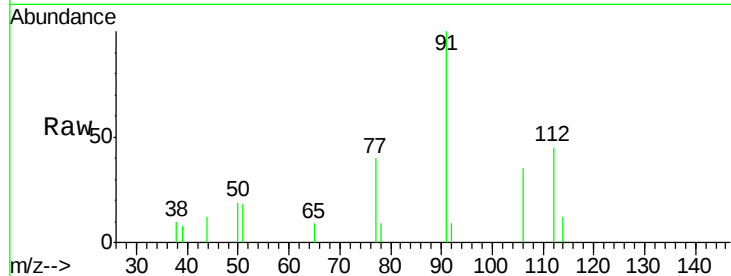




#67
Ethyl Benzene
Concen: 0.327 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061963.D
Acq: 19 Jun 2020 19:36

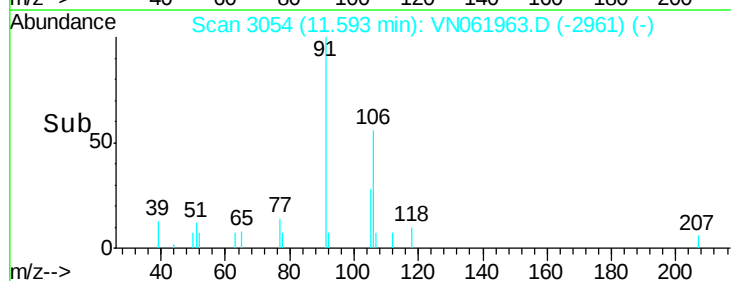
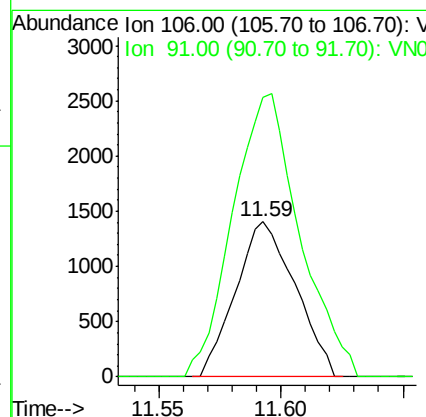
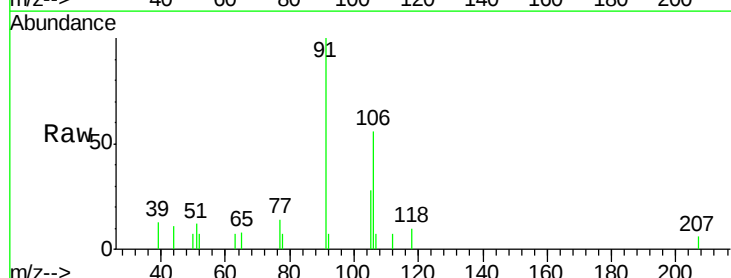
Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0571-200615

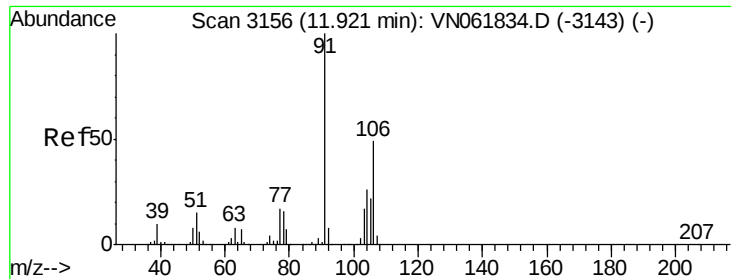
Tot Ion: 91 Resp: 3144
Ion Ratio Lower Upper
91 100
106 35.0 25.4 38.2



#68
m/p-Xylenes
Concen: 0.643 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061963.D
Acq: 19 Jun 2020 19:36

Tgt Ion: 106 Resp: 2386
Ion Ratio Lower Upper
106 100
91 204.1 157.0 235.6

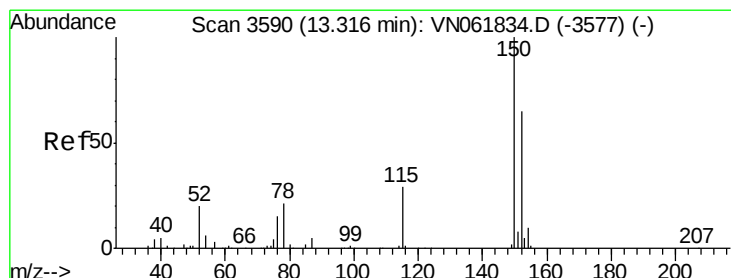
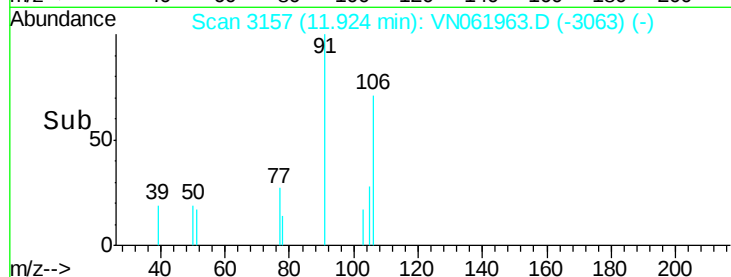
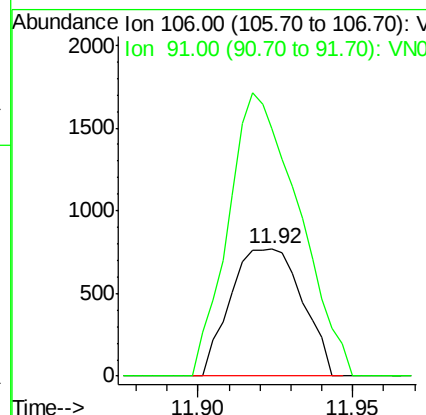
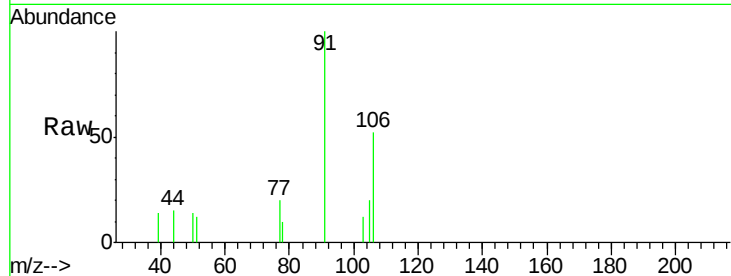




#69
o-Xylene
Concen: 0.350 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN061963.D
Acq: 19 Jun 2020 19:36

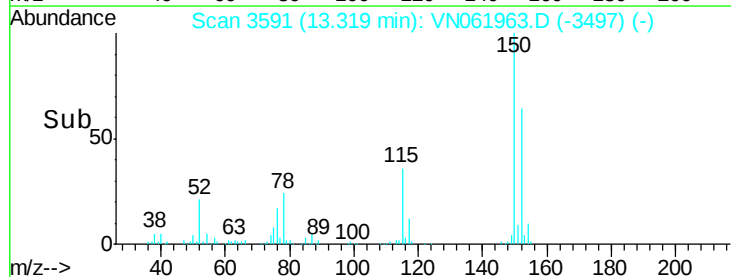
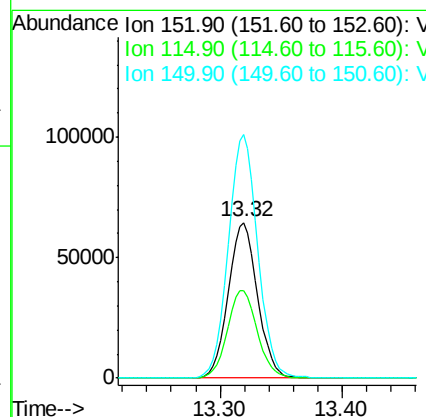
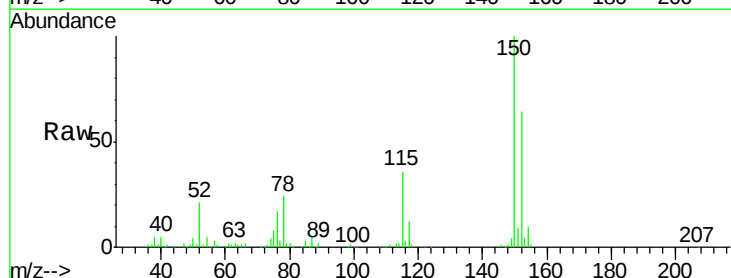
Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0571-200615

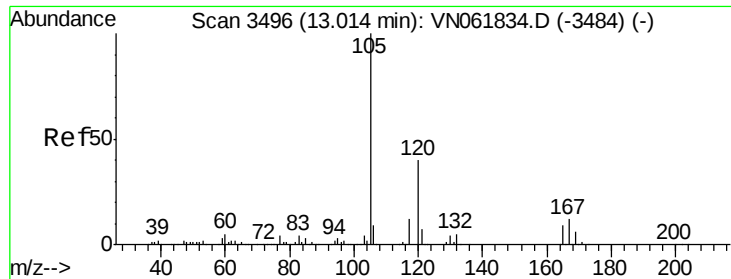
Tot Ion:106 Resp: 1239
Ion Ratio Lower Upper
106 100
91 217.7 103.0 308.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061963.D
Acq: 19 Jun 2020 19:36

Tgt Ion:152 Resp: 108781
Ion Ratio Lower Upper
152 100
115 57.6 29.1 87.3
150 156.8 0.0 347.6

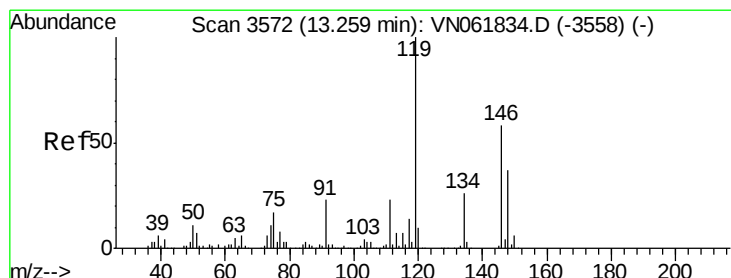
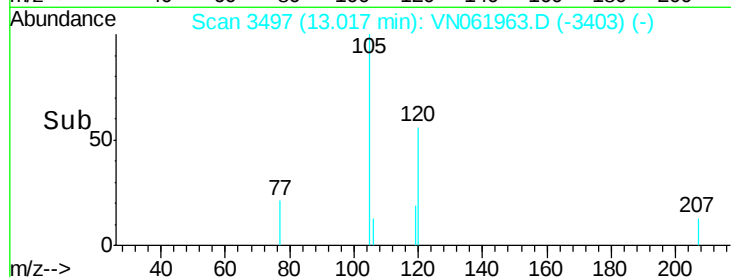
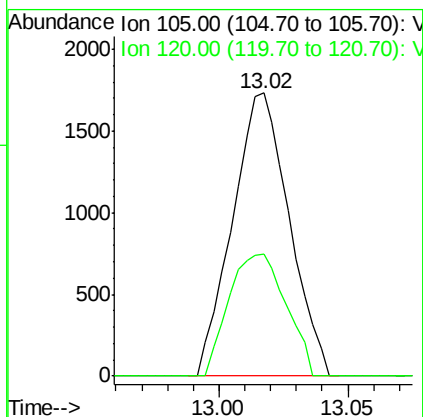
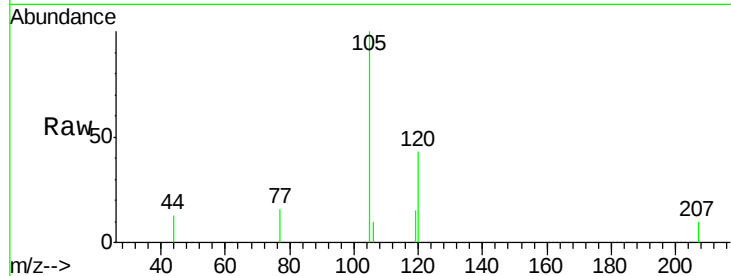




#84
 1,2,4-Trimethylbenzene
 Concen: 0.420 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN061963.D
 Acq: 19 Jun 2020 19:36

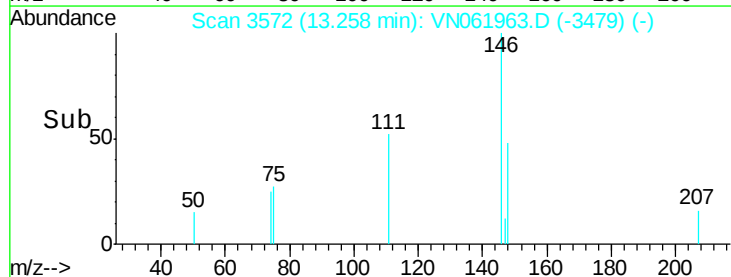
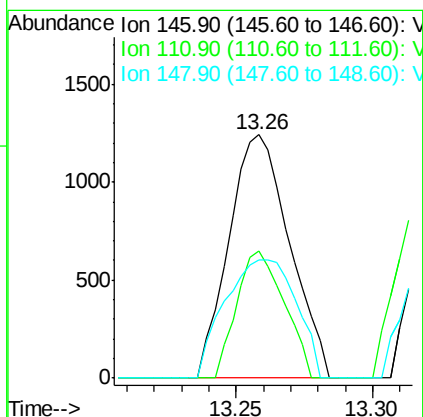
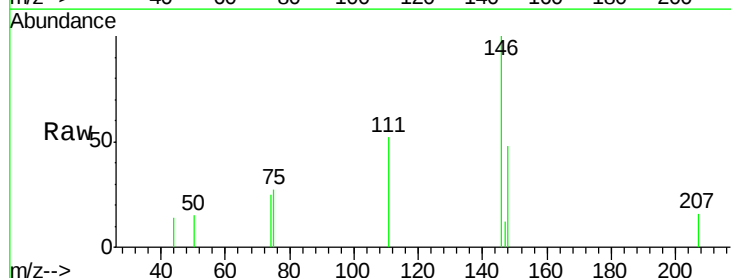
Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0571-200615

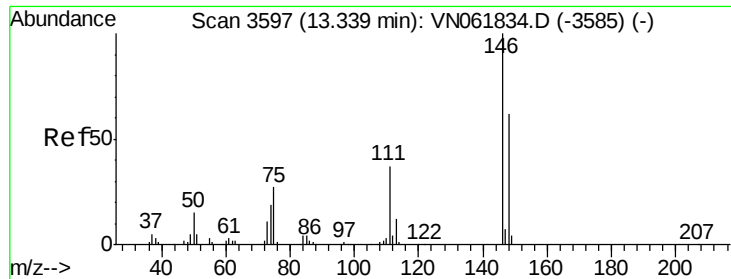
Tot Ion:105 Resp: 2652
 Ion Ratio Lower Upper
 105 100
 120 43.5 23.3 69.9



#87
 1,3-Dichlorobenzene
 Concen: 0.538 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061963.D
 Acq: 19 Jun 2020 19:36

Tgt Ion:146 Resp: 1915
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.6 58.8
 148 57.2 31.8 95.4

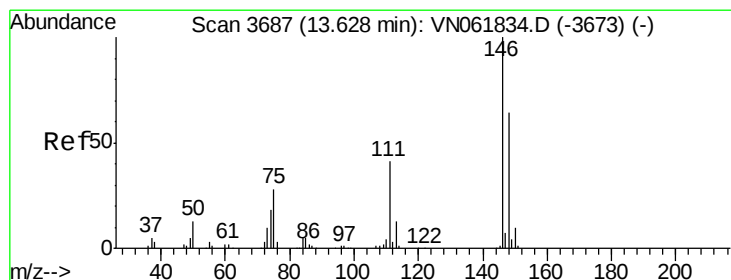
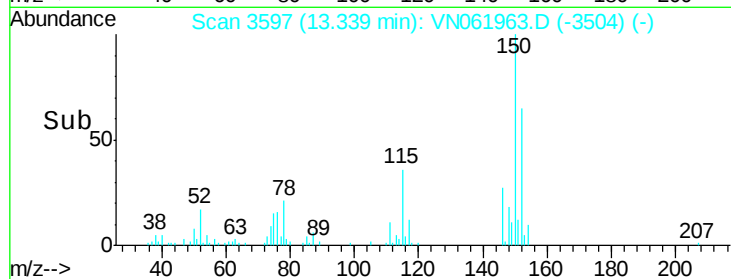
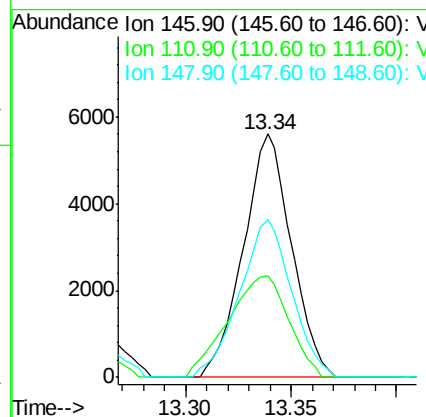
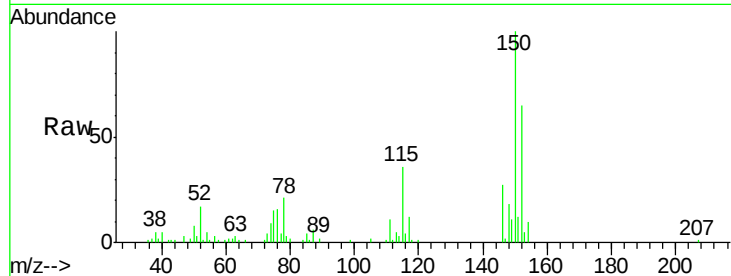




#88
 1,4-Dichlorobenzene
 Concen: 2.442 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061963.D
 Acq: 19 Jun 2020 19:36

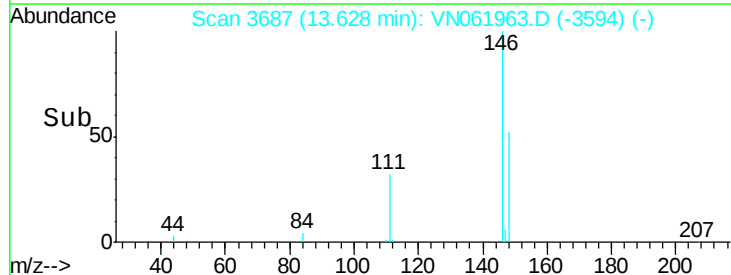
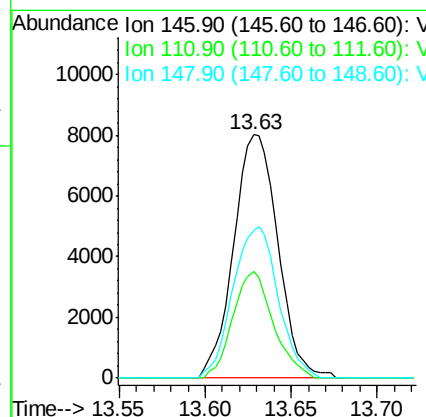
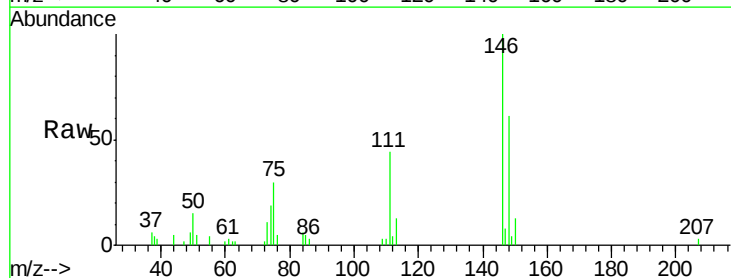
Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0571-200615

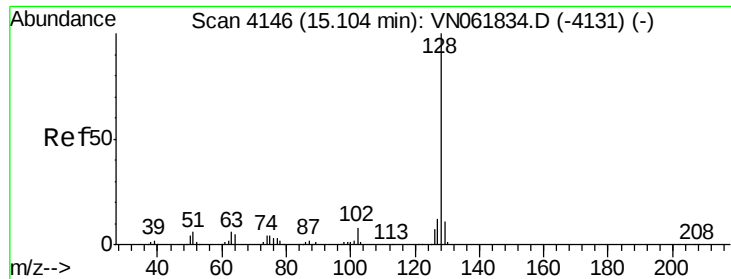
Tot Ion:146 Resp: 8892
 Ion Ratio Lower Upper
 146 100
 111 52.5 19.3 57.8
 148 70.1 31.6 94.7



#91
 1,2-Dichlorobenzene
 Concen: 4.187 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061963.D
 Acq: 19 Jun 2020 19:36

Tgt Ion:146 Resp: 14336
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.4 61.2
 148 63.3 31.8 95.4





#95
Naphthalene
Concen: 6.072 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061963.D
Acq: 19 Jun 2020 19:36

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.3	15.5
129	10.6	8.6	13.0

