

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
 Data File : VN053688.D
 Acq On : 8 Feb 2019 18:12
 Operator : JC/SP
 Sample : VN0208WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBSD01

Quant Time: Feb 09 02:38:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	707222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1126768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	965319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	449590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	378651	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
35) Dibromofluoromethane	7.59	113	362445	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	10.09	98	1312915	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.40	95	439316	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	147655	18.732	ug/l	100
3) Chloromethane	2.06	50	168779	20.102	ug/l	98
4) Vinyl Chloride	2.19	62	165507	20.306	ug/l	99
5) Bromomethane	2.57	94	122961	23.073	ug/l	98
6) Chloroethane	2.71	64	113694	24.410	ug/l	98
7) Trichlorofluoromethane	3.02	101	221852	20.072	ug/l	98
8) Diethyl Ether	3.41	74	86518	21.434	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	134159	19.627	ug/l	99
10) Methyl Iodide	3.96	142	206899	19.284	ug/l	99
11) Tert butyl alcohol	4.78	59	50405	120.044	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	132843	20.284	ug/l	98
13) Acrolein	3.61	56	16421	71.829	ug/l	96
14) Allyl chloride	4.33	41	211265	20.260	ug/l	99
15) Acrylonitrile	4.99	53	256501	113.157	ug/l	99
16) Acetone	3.82	43	170880	93.899	ug/l	99
17) Carbon Disulfide	4.06	76	358502	17.580	ug/l	100
18) Methyl Acetate	4.33	43	126626	23.495	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	371203	22.359	ug/l	100
20) Methylene Chloride	4.55	84	177124	23.199	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	139566	19.753	ug/l	97
22) Diisopropyl ether	5.95	45	415480	21.504	ug/l	94
23) Vinyl Acetate	5.90	43	1436937	107.506	ug/l	99
24) 1,1-Dichloroethane	5.85	63	268667	20.848	ug/l	100
25) 2-Butanone	6.84	43	271088	104.446	ug/l	98
26) 2,2-Dichloropropane	6.82	77	179667	18.263	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	163213	20.774	ug/l	98
28) Bromochloromethane	7.20	49	121090	21.652	ug/l	97
29) Tetrahydrofuran	7.21	42	190965	114.581	ug/l	98
30) Chloroform	7.37	83	262528	20.550	ug/l	98
31) Cyclohexane	7.65	56	232785	19.297	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	216731	20.386	ug/l	99
36) 1,1-Dichloropropene	7.79	75	197242	19.419	ug/l	98
37) Ethyl Acetate	6.93	43	128746	22.695	ug/l	100
38) Carbon Tetrachloride	7.78	117	190305	18.599	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215709	17.901	ug/l	99
40) Benzene	8.04	78	614275	19.612	ug/l	98
41) Methacrylonitrile	7.17	41	61311	19.338	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	180483	19.406	ug/l	98
43) Isopropyl Acetate	8.17	43	229363	20.936	ug/l	97
44) Trichloroethene	8.84	130	165175	18.523	ug/l	98
45) 1,2-Dichloropropane	9.12	63	162267	20.255	ug/l	99
46) Dibromomethane	9.21	93	95475	19.770	ug/l	98
47) Bromodichloromethane	9.40	83	196403	19.560	ug/l	98
48) Methyl methacrylate	9.20	41	108982	20.840	ug/l	99
49) 1,4-Dioxane	9.20	88	31513	438.715	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	585658	108.788	ug/l	99
52) Toluene	10.16	92	365043	19.637	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	192510	19.146	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	231103	19.396	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	134898	20.138	ug/l	99
56) Ethyl methacrylate	10.43	69	167878	21.185	ug/l	97
57) 1,3-Dichloropropane	10.71	76	230194	20.107	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	383179	83.480	ug/l	98
59) 2-Hexanone	10.75	43	362950	99.311	ug/l	99
60) Dibromochloromethane	10.90	129	148941	19.717	ug/l	99
61) 1,2-Dibromoethane	11.01	107	130934	19.749	ug/l	100
64) Tetrachloroethene	10.63	164	154292	18.646	ug/l	98
65) Chlorobenzene	11.43	112	398158	19.418	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	144597	20.192	ug/l	99
67) Ethyl Benzene	11.51	91	661646	19.644	ug/l	99
68) m/p-Xylenes	11.62	106	511067	39.755	ug/l	99
69) o-Xylene	11.95	106	250833	20.197	ug/l	99
70) Styrene	11.96	104	407823	20.260	ug/l	99
71) Bromoform	12.13	173	100937	20.560	ug/l #	100
73) Isopropylbenzene	12.25	105	655150	20.729	ug/l	100
74) N-amyl acetate	12.07	43	165062	21.718	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	162040	21.422	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	191526	33.166	ug/l #	100
77) Bromobenzene	12.53	156	175469	20.600	ug/l	98
78) n-propylbenzene	12.59	91	743584	20.352	ug/l	100
79) 2-Chlorotoluene	12.68	91	445135	20.536	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	554080	21.141	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	41374	20.147	ug/l	99
82) 4-Chlorotoluene	12.77	91	445774	20.041	ug/l	99
83) tert-Butylbenzene	12.99	119	495509	21.391	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	559955	20.971	ug/l	100
85) sec-Butylbenzene	13.17	105	666041	21.130	ug/l	100
86) p-Isopropyltoluene	13.29	119	574557	20.841	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	297216	19.410	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	293980	19.409	ug/l	100
89) n-Butylbenzene	13.62	91	465375	19.503	ug/l	100
90) Hexachloroethane	13.88	117	94341	20.747	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	298377	20.354	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23887	22.159	ug/l	99

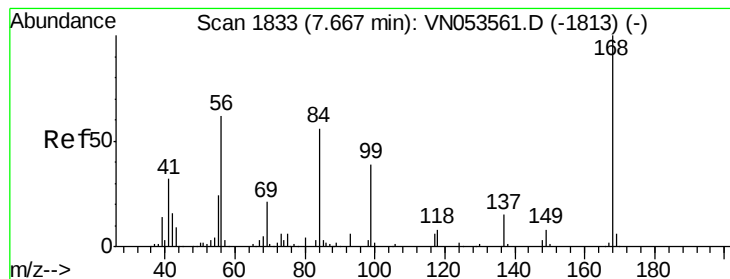
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	159603	18.983	ug/l	99
94) Hexachlorobutadiene	15.01	225	104132	19.888	ug/l	100
95) Naphthalene	15.13	128	349225	18.805	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	155667	19.955	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

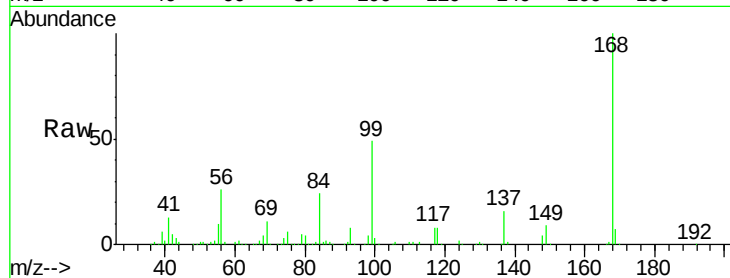
VN0208WBSD01

Tot Ion:168 Resp: 707222

Ion Ratio Lower Upper

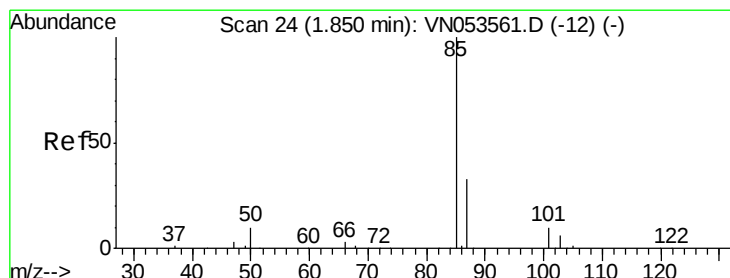
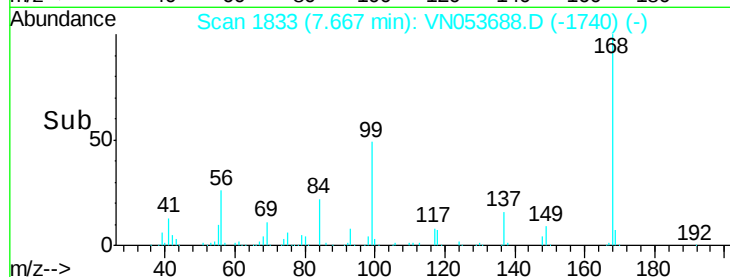
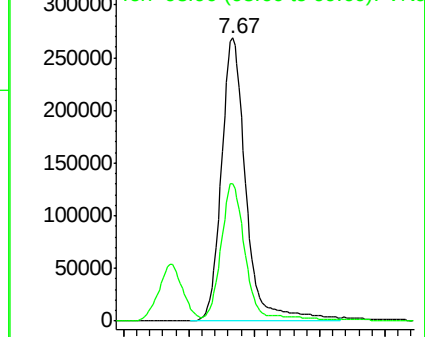
168 100

99 48.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.732 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053688.D

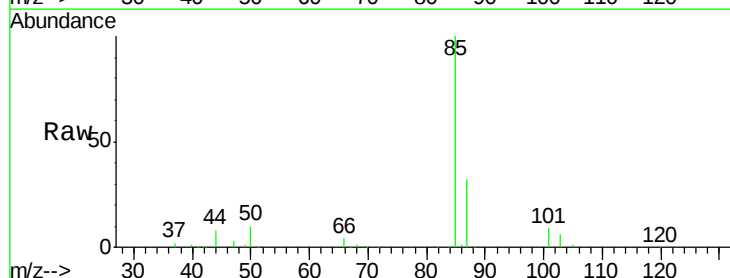
Acq: 8 Feb 2019 18:12

Tgt Ion: 85 Resp: 147655

Ion Ratio Lower Upper

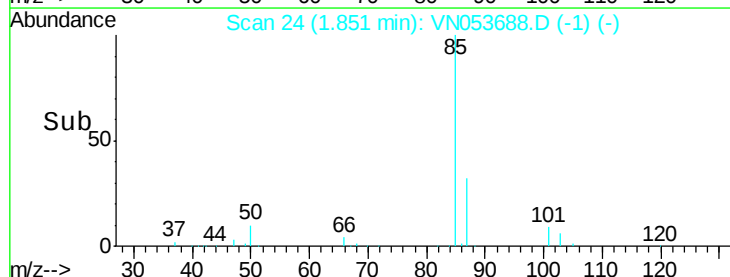
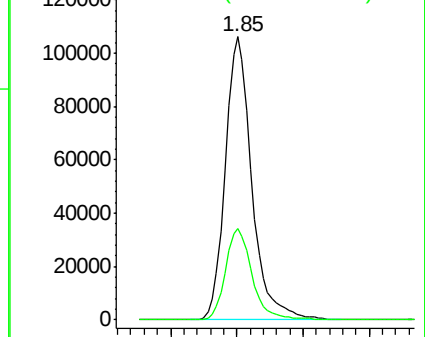
85 100

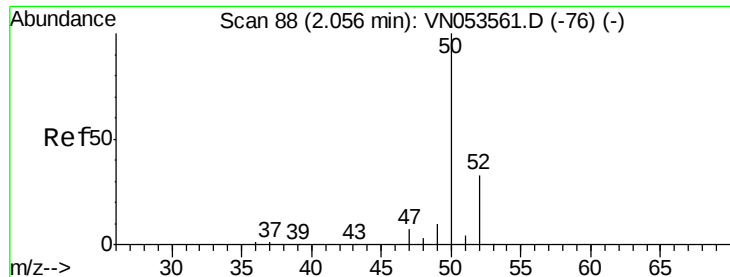
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.102 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

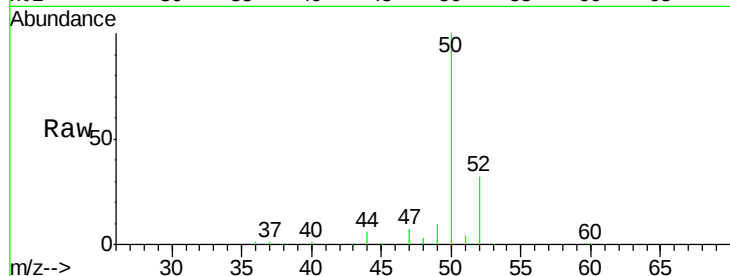
VN0208WBSD01

Tot Ion: 50 Resp: 168779

Ion Ratio Lower Upper

50 100

52 32.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

120000

100000

80000

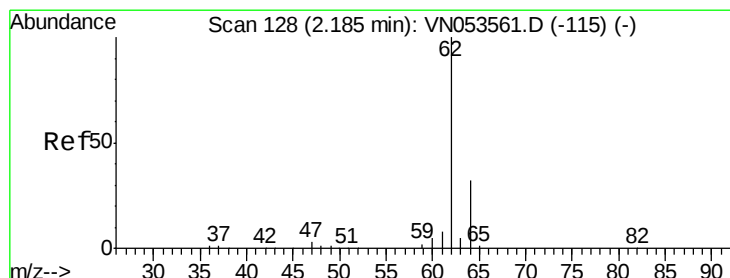
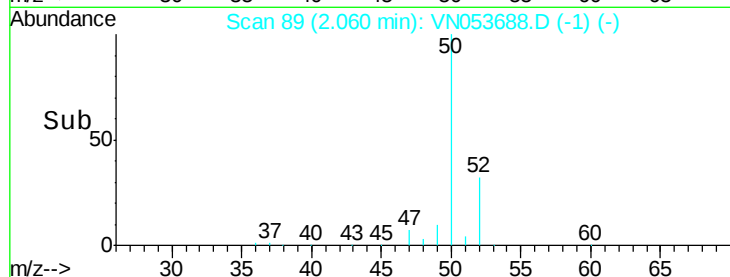
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.306 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053688.D

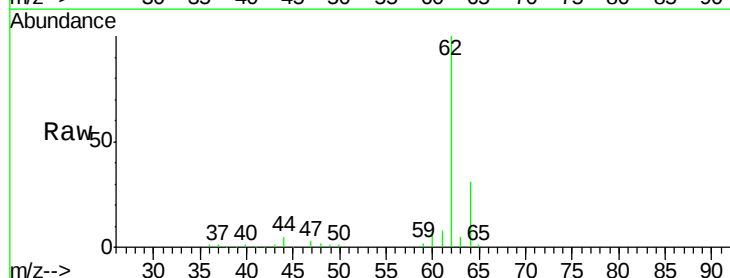
Acq: 8 Feb 2019 18:12

Tgt Ion: 62 Resp: 165507

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

120000

100000

80000

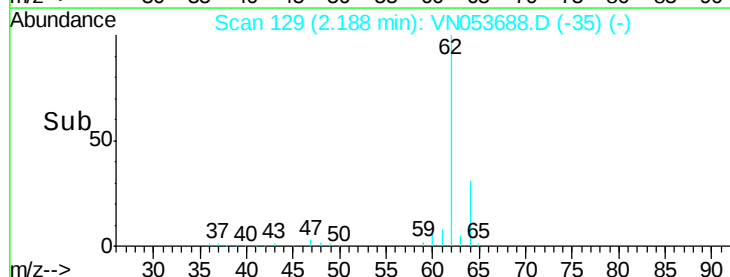
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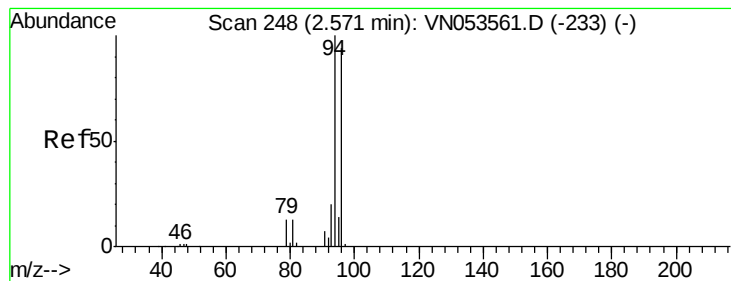
40000

20000

0

Time-->





#5

Bromomethane

Concen: 23.073 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

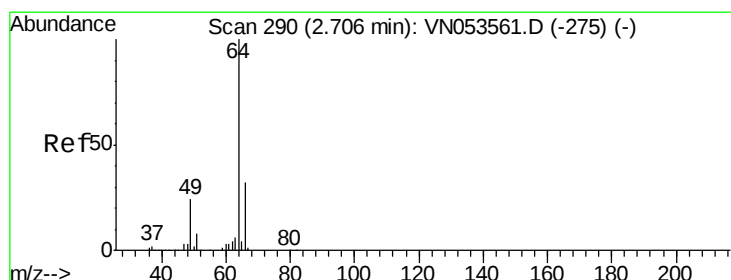
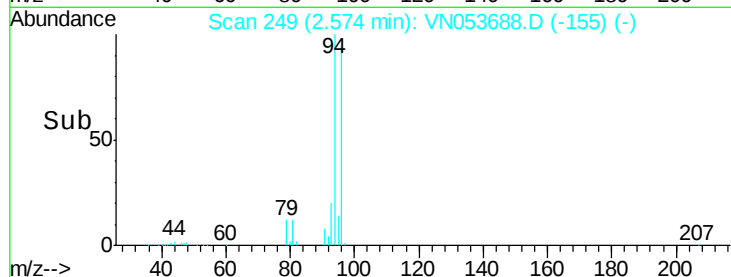
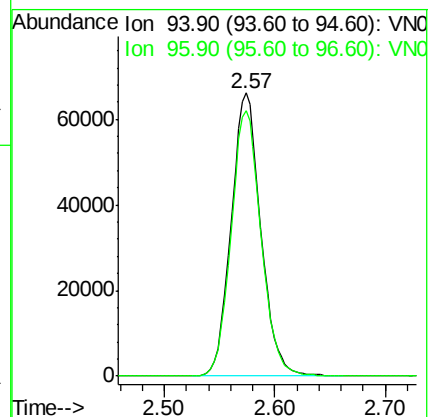
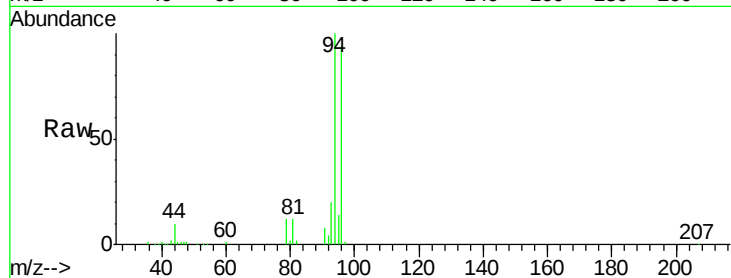
VN0208WBSD01

Tot Ion: 94 Resp: 122961

Ion Ratio Lower Upper

94 100

96 93.6 76.8 115.2



#6

Chloroethane

Concen: 24.410 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053688.D

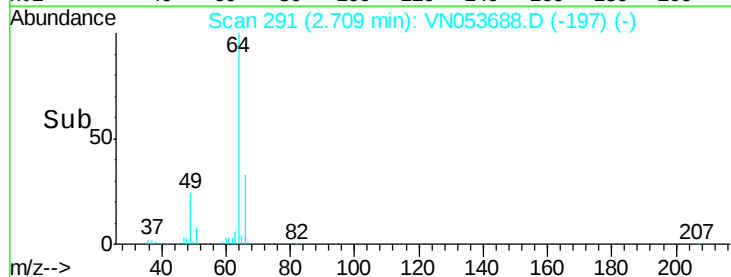
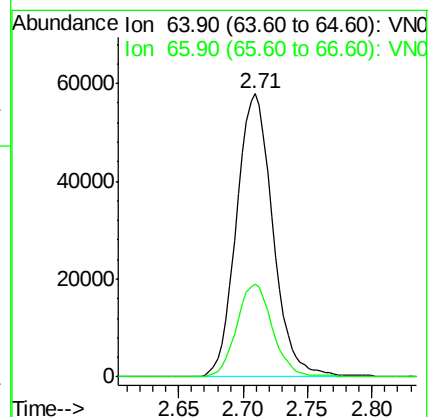
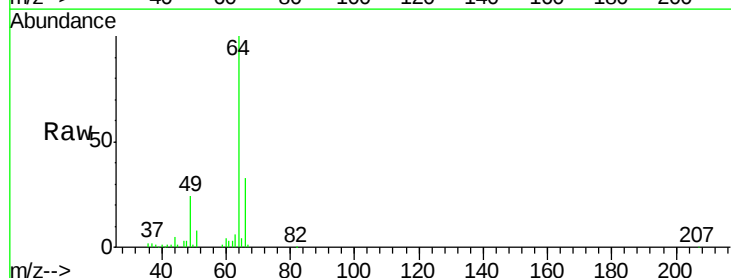
Acq: 8 Feb 2019 18:12

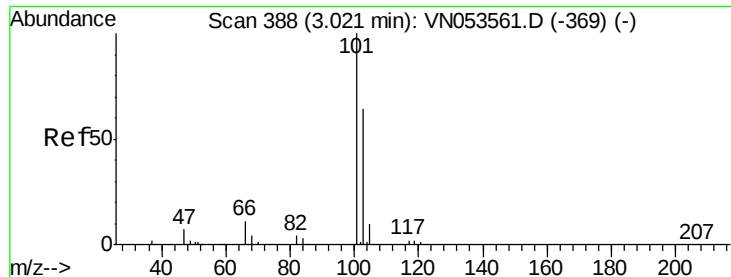
Tgt Ion: 64 Resp: 113694

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7



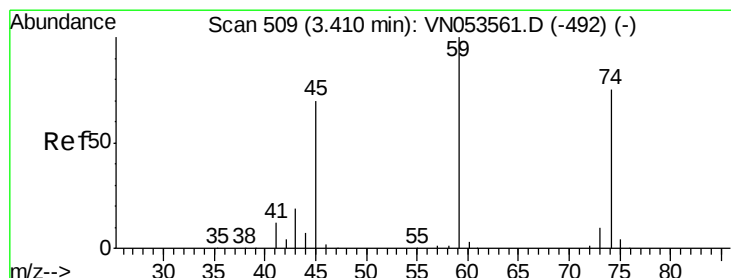
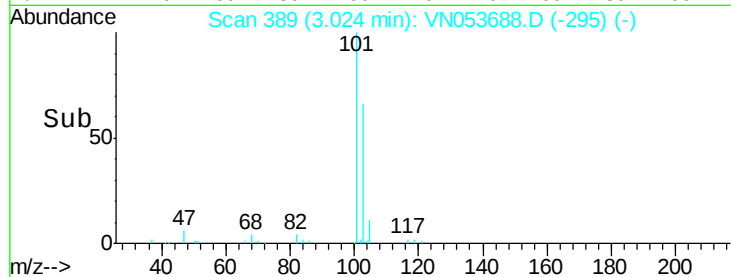
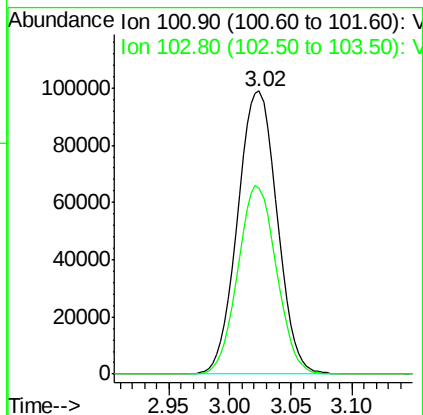
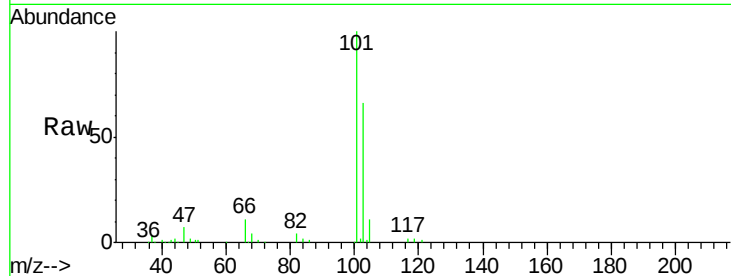


#7

Trichlorofluoromethane
 Concen: 20.072 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053688.D
 Acq: 8 Feb 2019 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBSD01

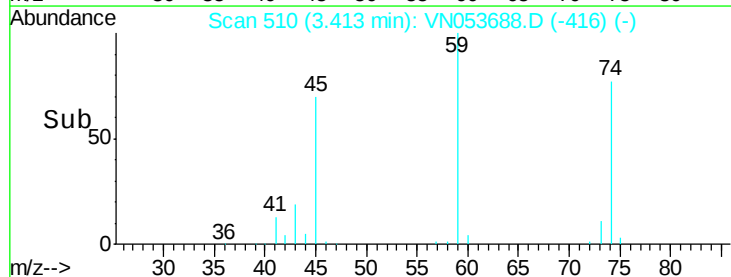
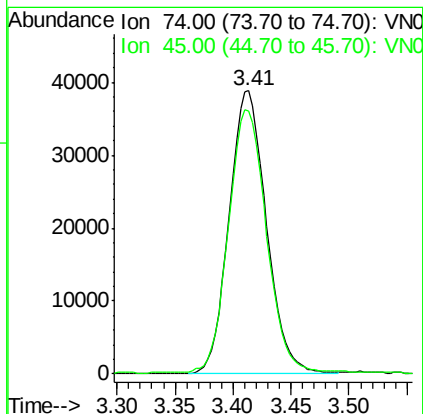
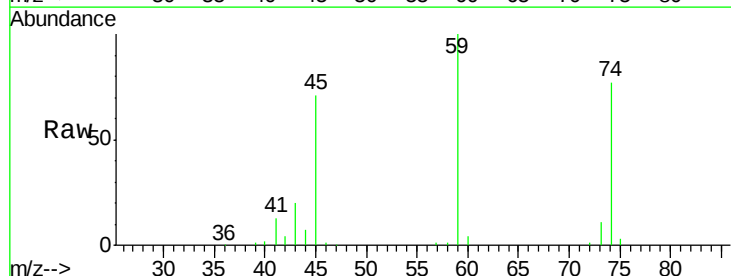
Tot Ion:101 Resp: 221852
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.6 77.4



#8

Diethyl Ether
 Concen: 21.434 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053688.D
 Acq: 8 Feb 2019 18:12

Tgt Ion: 74 Resp: 86518
 Ion Ratio Lower Upper
 74 100
 45 94.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.627 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBSD01

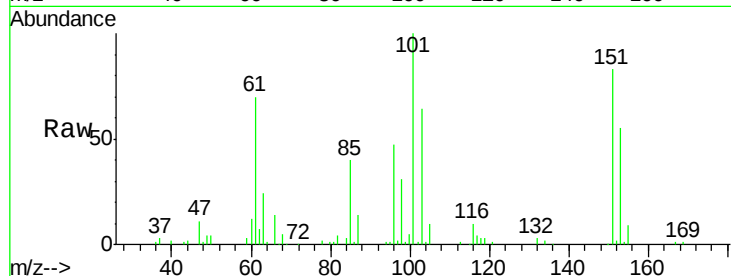
Tot Ion:101 Resp: 134159

Ion Ratio Lower Upper

101 100

85 40.2 32.8 49.2

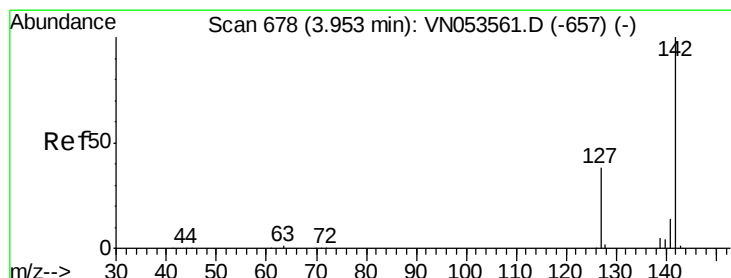
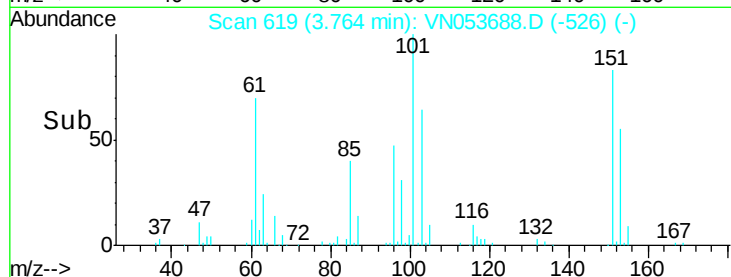
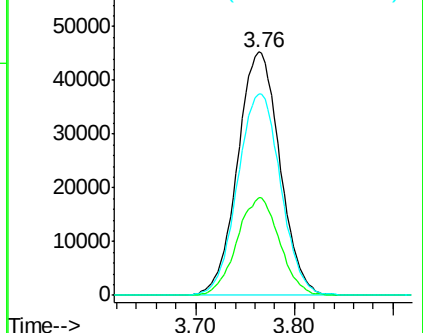
151 84.6 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.284 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

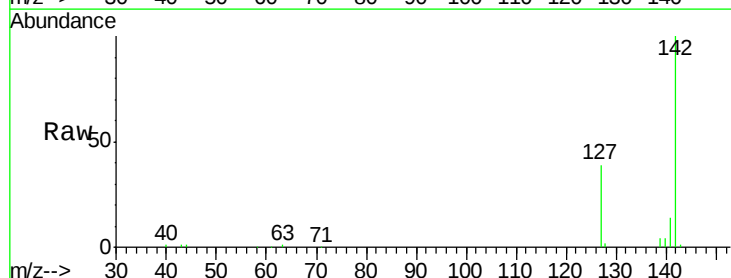
Tgt Ion:142 Resp: 206899

Ion Ratio Lower Upper

142 100

127 37.9 31.0 46.4

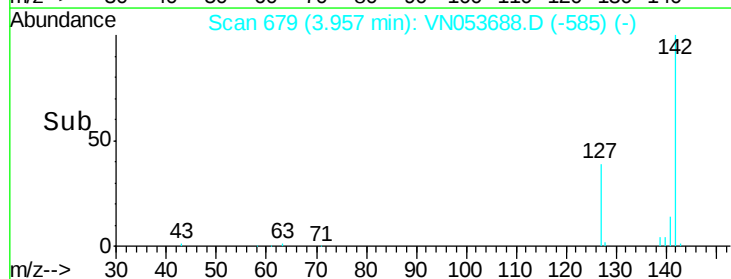
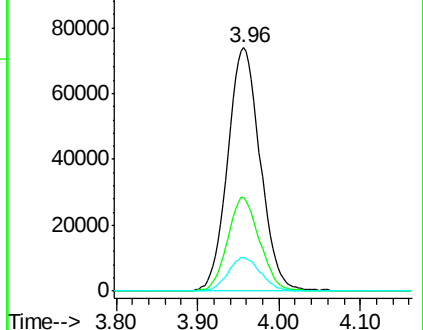
141 13.9 11.1 16.7

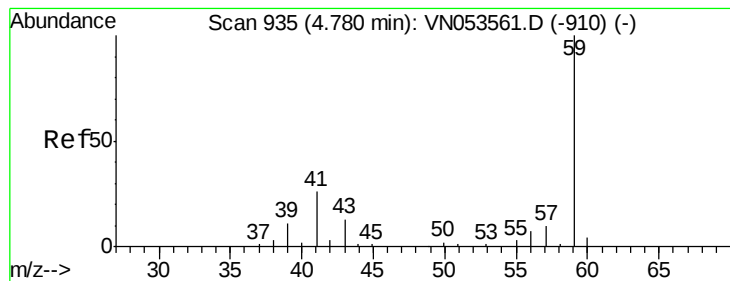


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



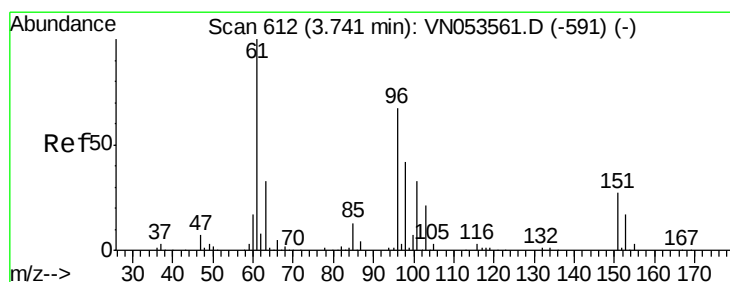
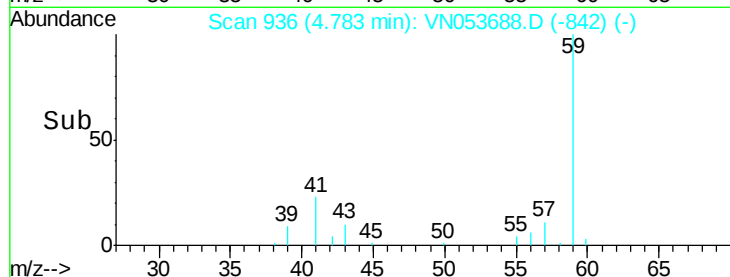
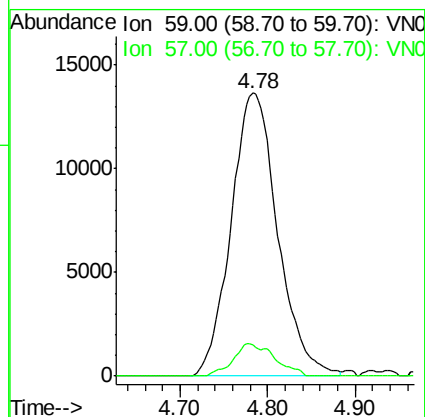
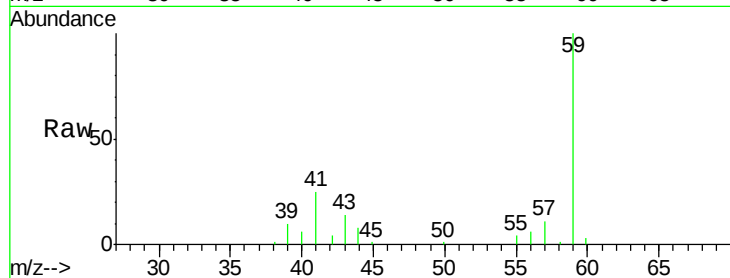


#11

Tert butyl alcohol
Concen: 120.044 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN0208WBSD01

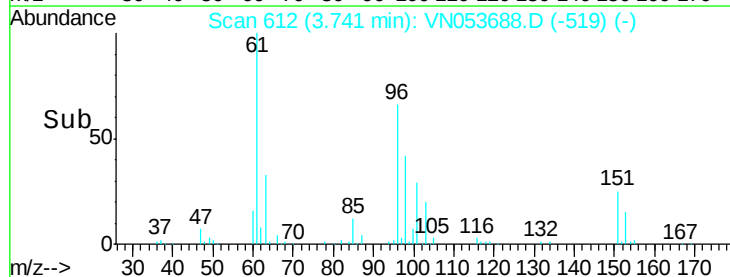
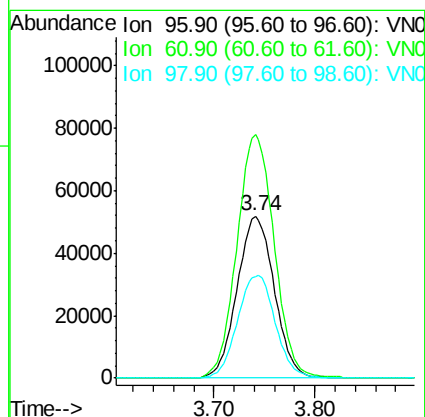
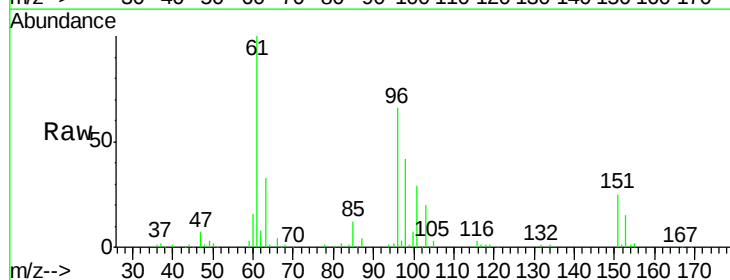
Tot Ion: 59 Resp: 50405
Ion Ratio Lower Upper
59 100
57 6.5 8.2 12.4#

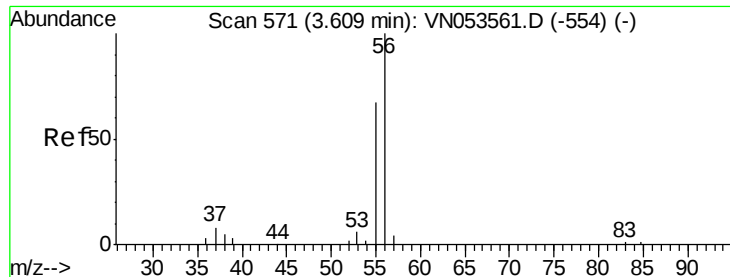


#12

1,1-Dichloroethene
Concen: 20.284 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion: 96 Resp: 132843
Ion Ratio Lower Upper
96 100
61 150.6 122.9 184.3
98 63.0 49.4 74.0





#13

Acrolein

Concen: 71.829 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

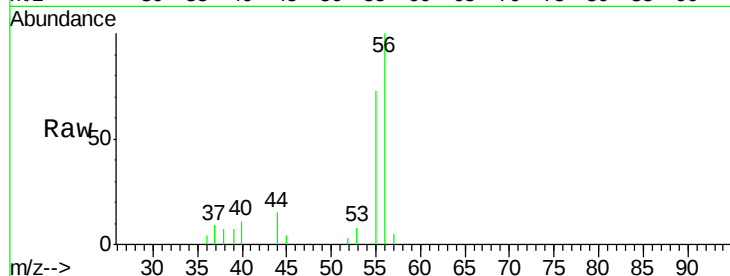
VN0208WBSD01

Tot Ion: 56 Resp: 16421

Ion Ratio Lower Upper

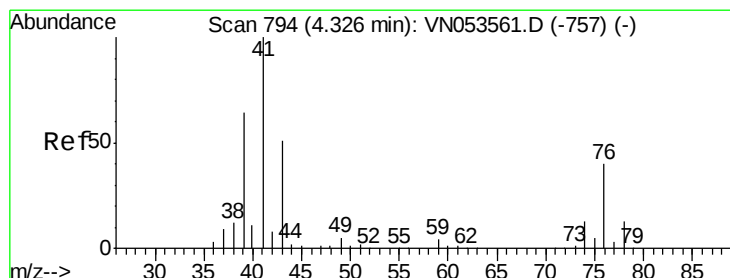
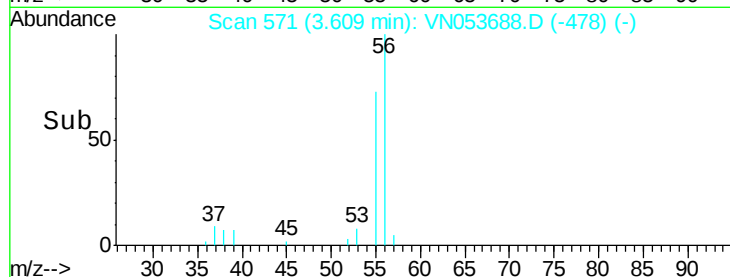
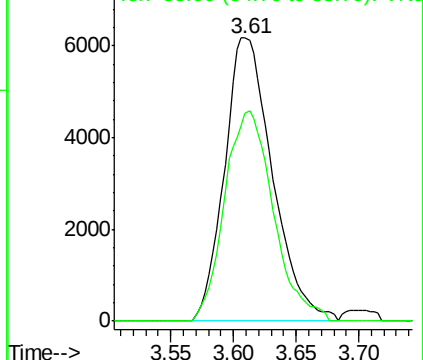
56 100

55 75.2 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.260 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

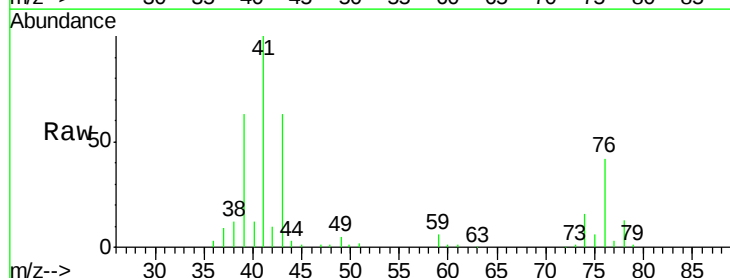
Tgt Ion: 41 Resp: 211265

Ion Ratio Lower Upper

41 100

39 60.9 48.9 73.3

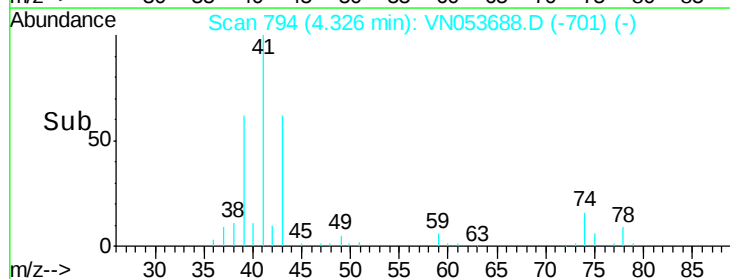
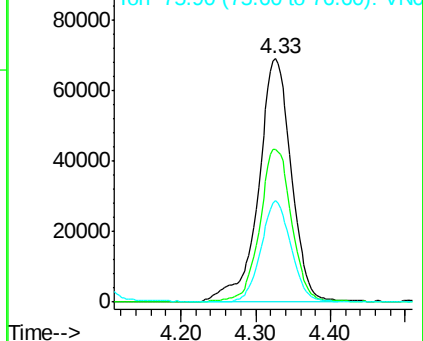
76 38.1 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 113.157 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampled :

VN0208WBSD01

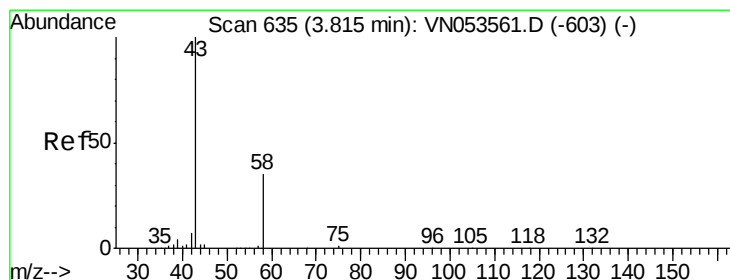
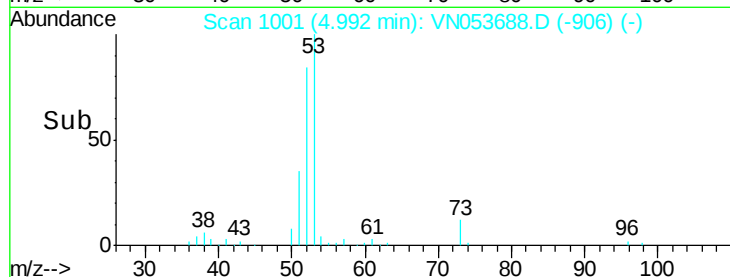
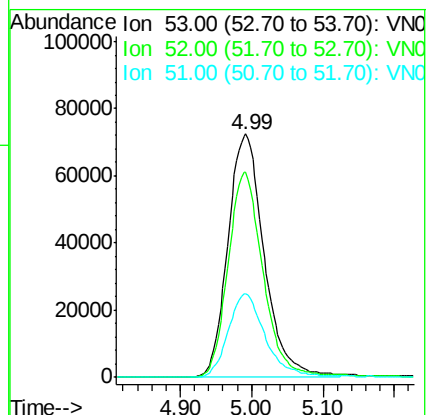
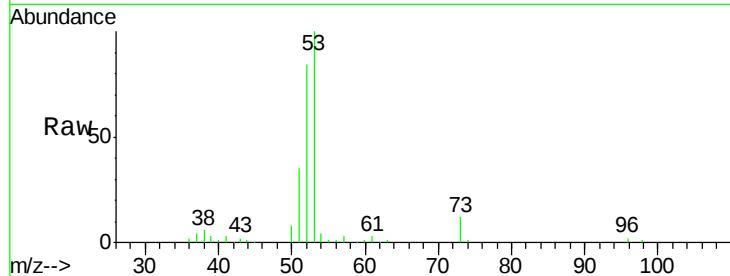
Tot Ion: 53 Resp: 256501

Ion Ratio Lower Upper

53 100

52 80.9 66.0 99.0

51 35.1 28.3 42.5



#16

Acetone

Concen: 93.899 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053688.D

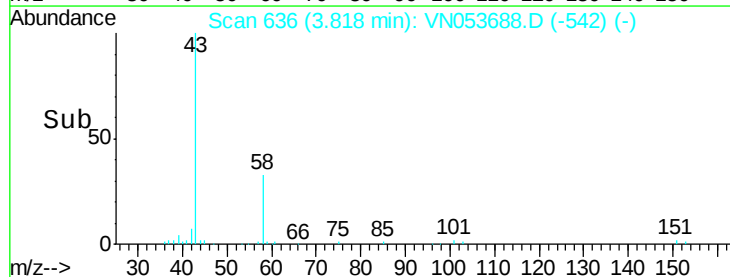
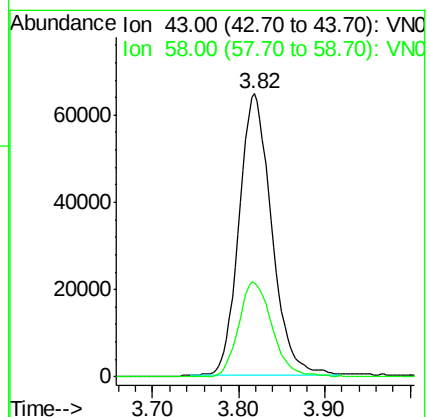
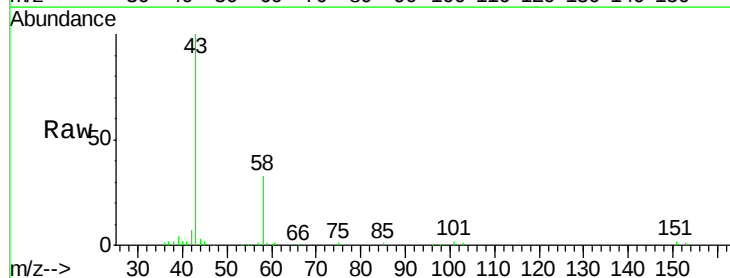
Acq: 8 Feb 2019 18:12

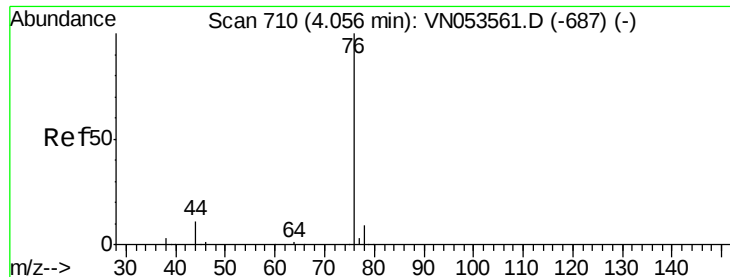
Tgt Ion: 43 Resp: 170880

Ion Ratio Lower Upper

43 100

58 33.2 27.1 40.7

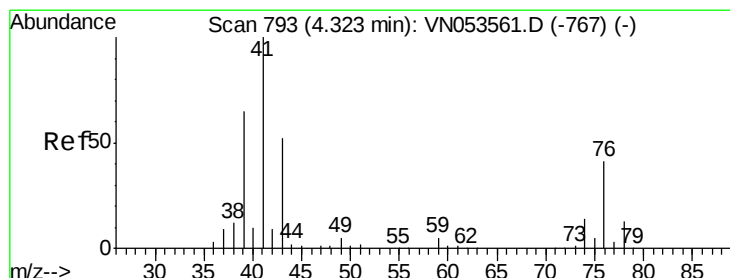
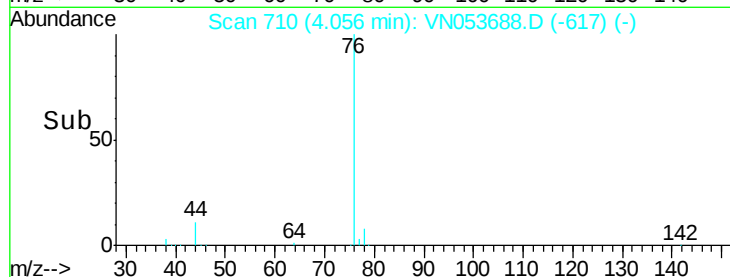
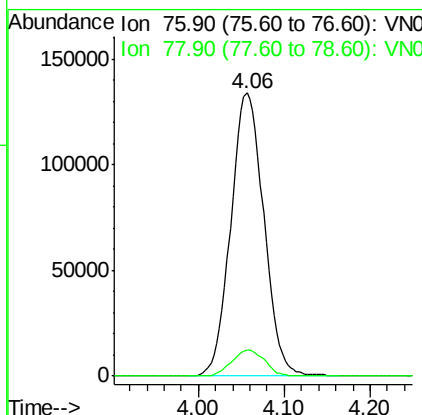
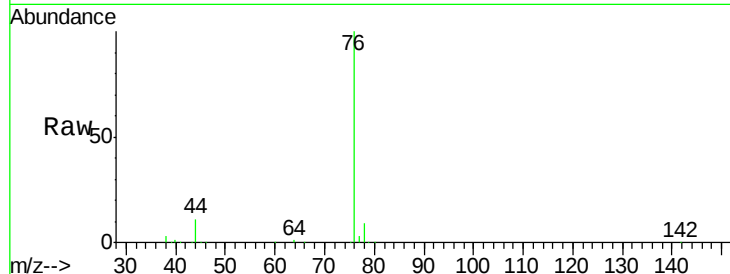




#17
Carbon Disulfide
Concen: 17.580 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

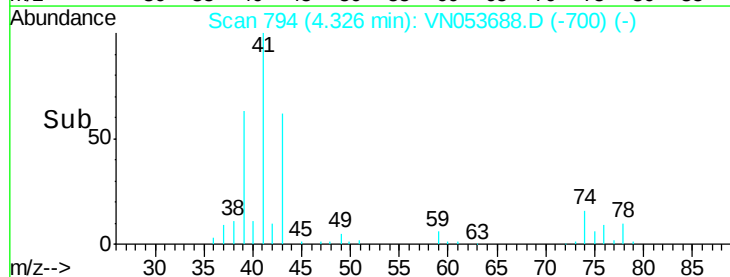
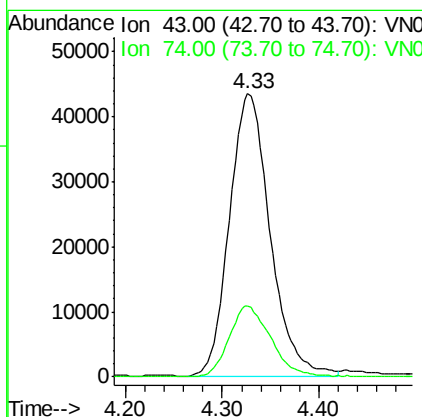
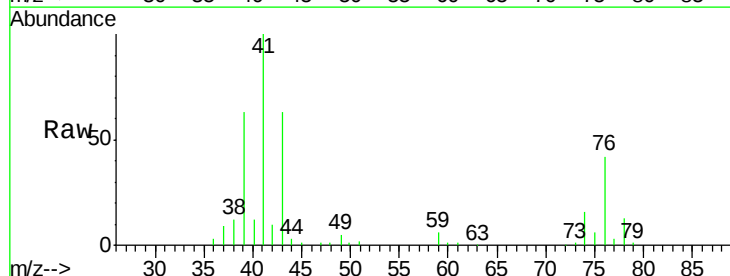
Instrument :
MSVOA_N
ClientSampleId :
VN0208WBSD01

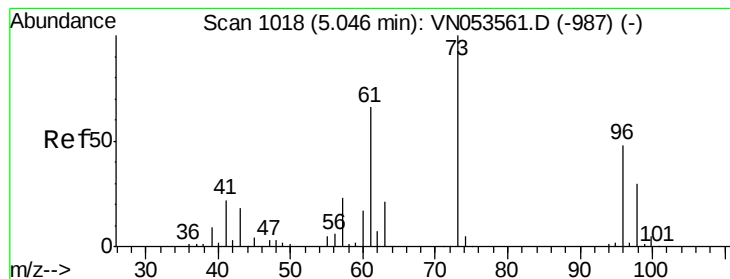
Tot Ion: 76 Resp: 358502
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 23.495 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion: 43 Resp: 126626
Ion Ratio Lower Upper
43 100
74 25.8 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 22.359 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampled :

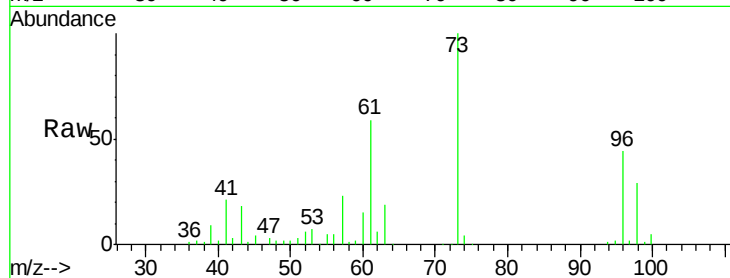
VN0208WBSD01

Tot Ion: 73 Resp: 371203

Ion Ratio Lower Upper

73 100

57 23.1 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.05

100000

80000

60000

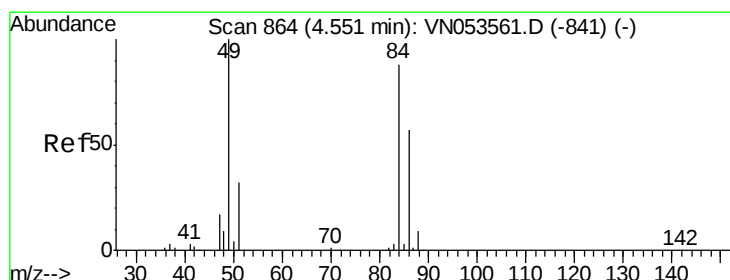
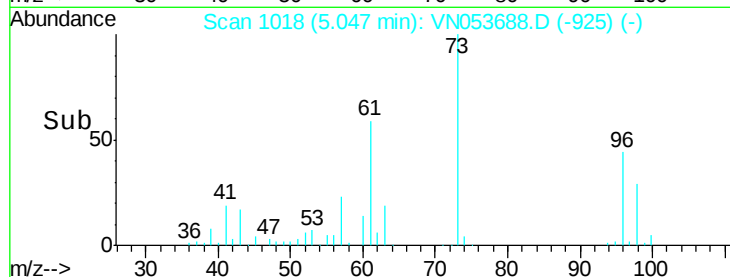
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 23.199 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Tgt Ion: 84 Resp: 177124

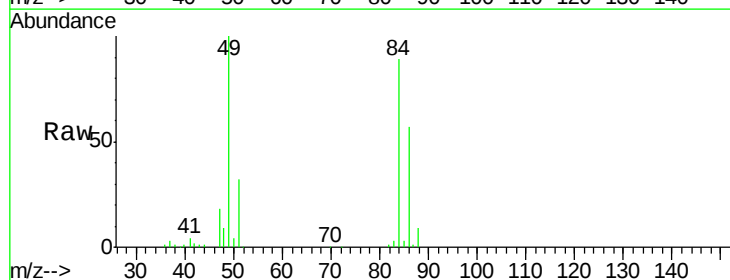
Ion Ratio Lower Upper

84 100

49 112.4 94.3 141.5

51 35.7 29.4 44.2

86 64.2 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

100000

80000

60000

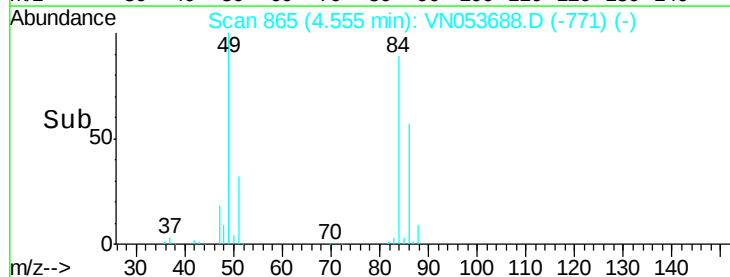
40000

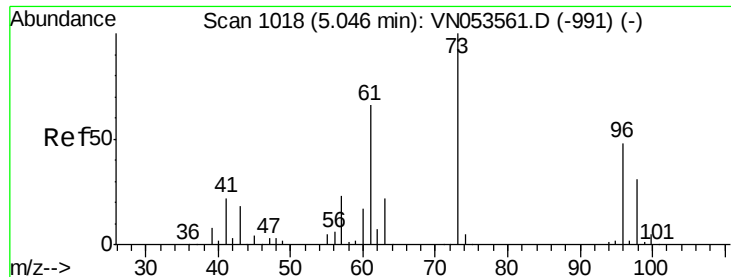
20000

0

Time-->

4.40 4.50 4.60 4.70





#21

trans-1,2-Dichloroethene

Concen: 19.753 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBSD01

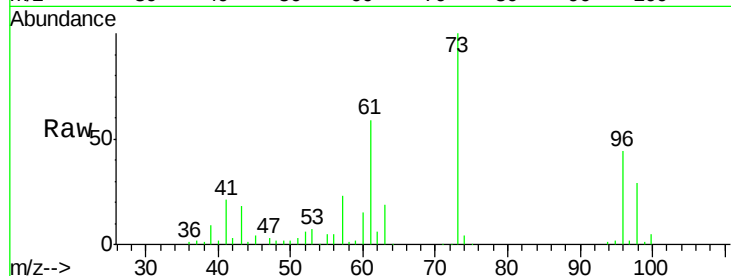
Tot Ion: 96 Resp: 139566

Ion Ratio Lower Upper

96 100

61 133.8 110.1 165.1

98 64.7 50.0 75.0

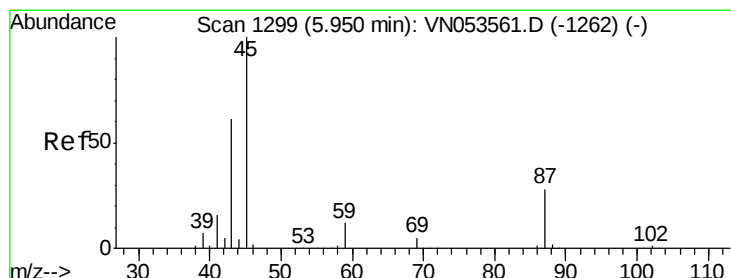
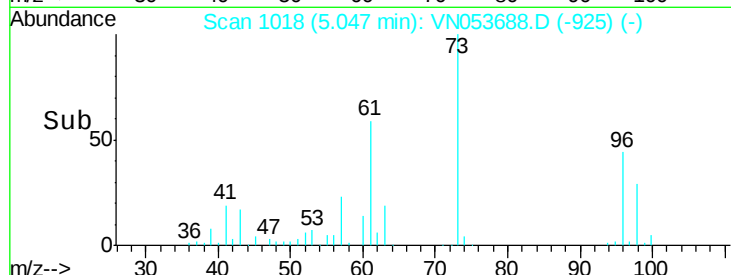
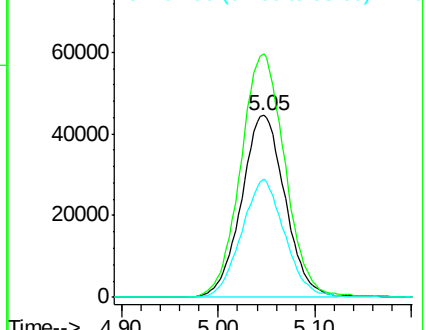


Abundance

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



#22

Diisopropyl ether

Concen: 21.504 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Tgt Ion: 45 Resp: 415480

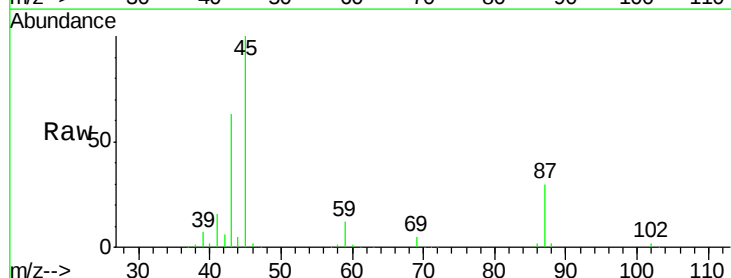
Ion Ratio Lower Upper

45 100

43 62.5 44.2 66.4

87 29.1 22.7 34.1

59 12.1 9.4 14.2



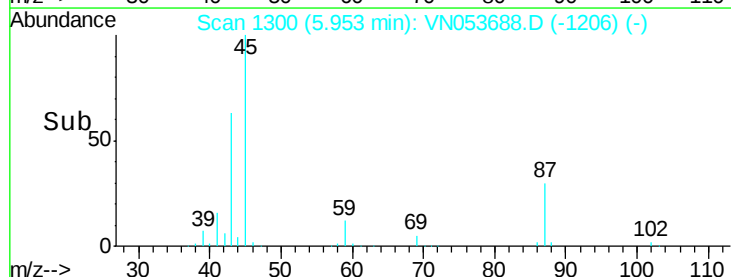
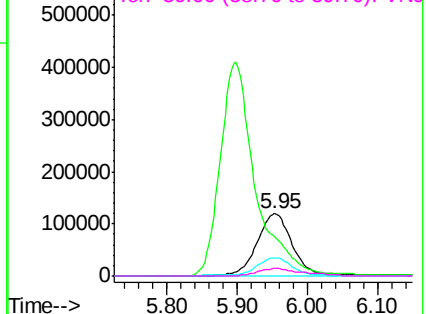
Abundance

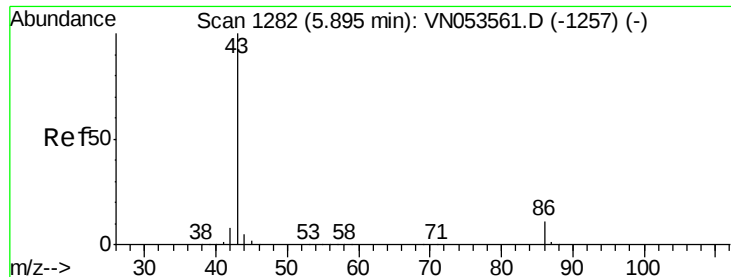
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 107.506 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

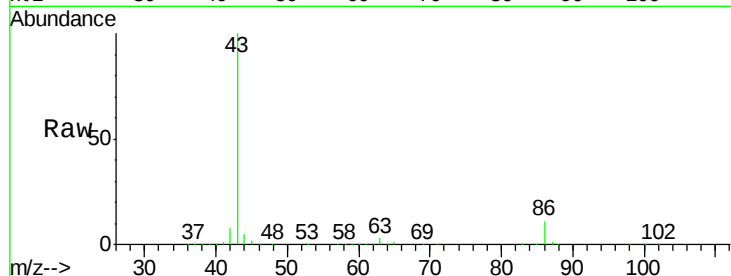
VN0208WBSD01

Tot Ion: 43 Resp: 1436937

Ion Ratio Lower Upper

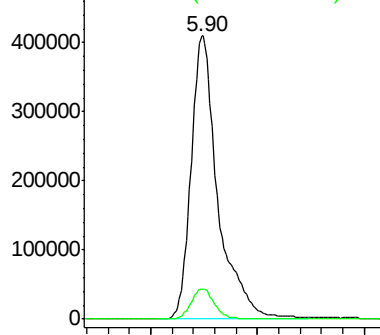
43 100

86 10.8 8.4 12.6

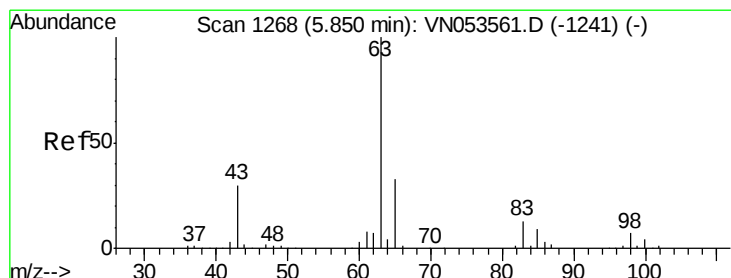
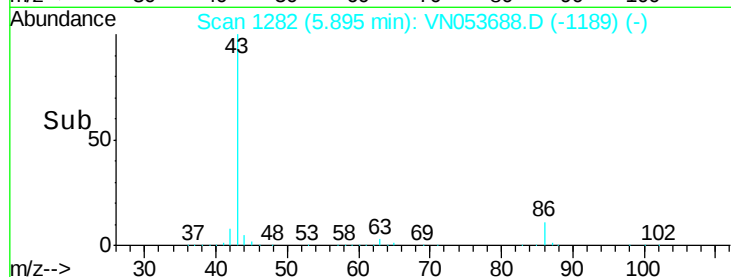


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.848 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

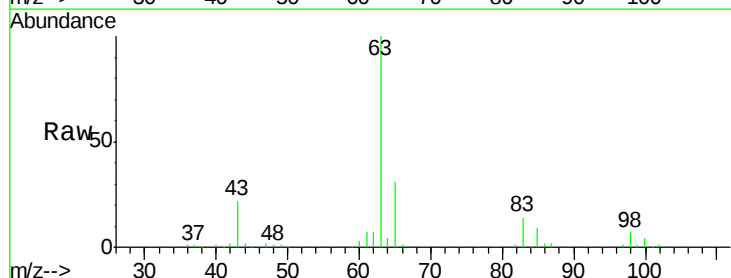
Tgt Ion: 63 Resp: 268667

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

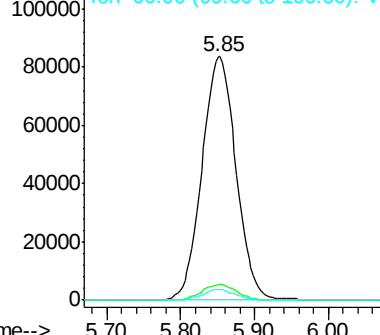
100 4.5 2.1 6.5



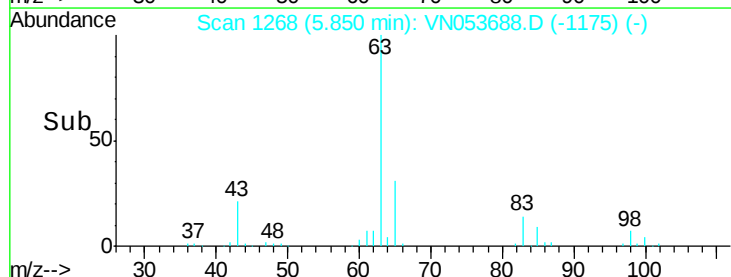
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 104.446 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

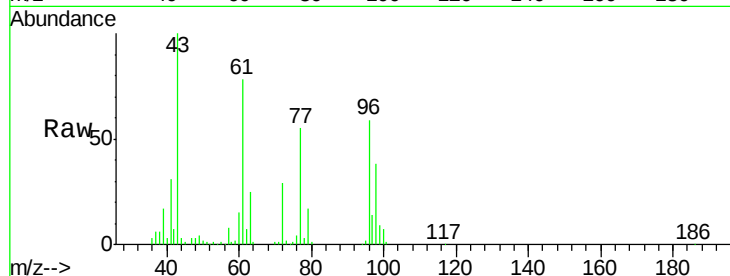
VN0208WBSD01

Tot Ion: 43 Resp: 271088

Ion Ratio Lower Upper

43 100

72 28.7 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

100000

80000

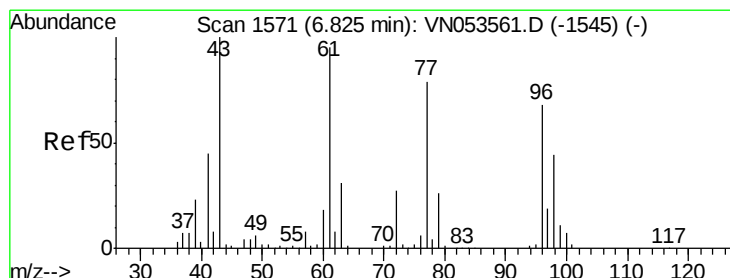
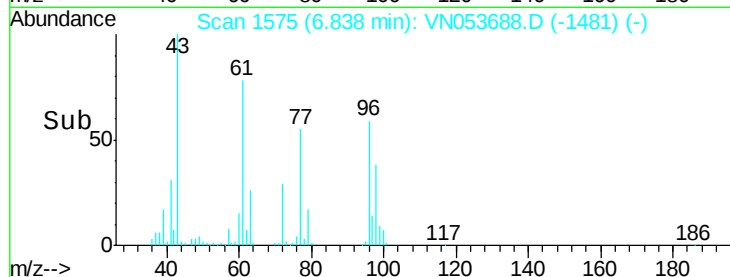
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 18.263 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053688.D

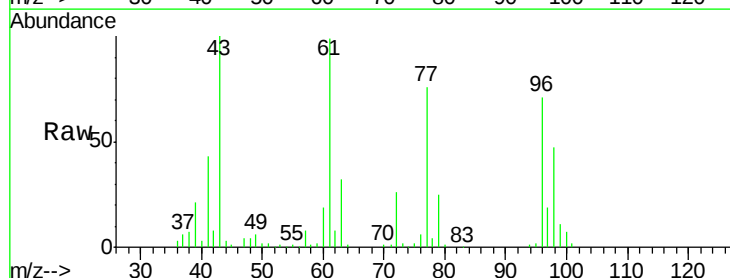
Acq: 8 Feb 2019 18:12

Tgt Ion: 77 Resp: 179667

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

60000

50000

40000

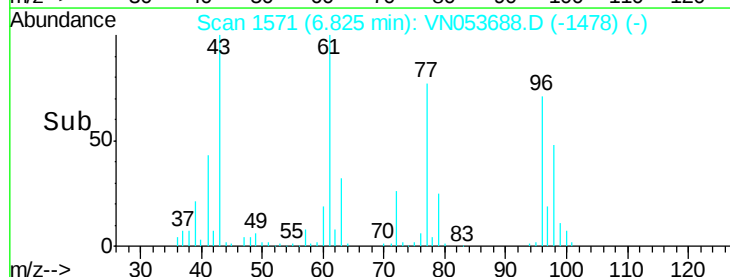
30000

20000

10000

0

Time-->

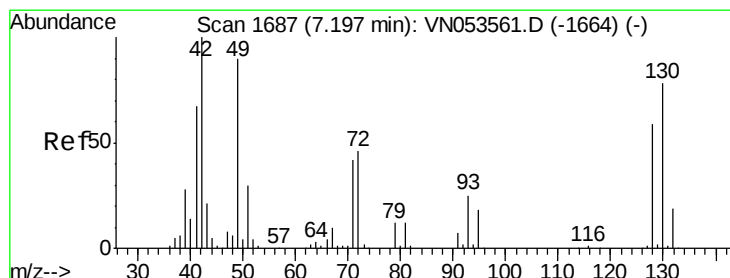
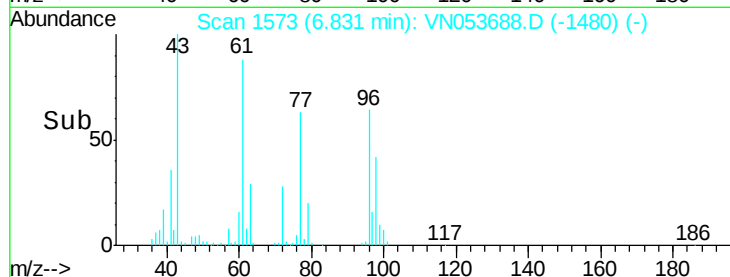
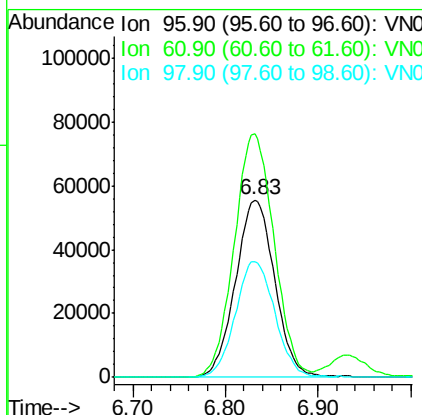
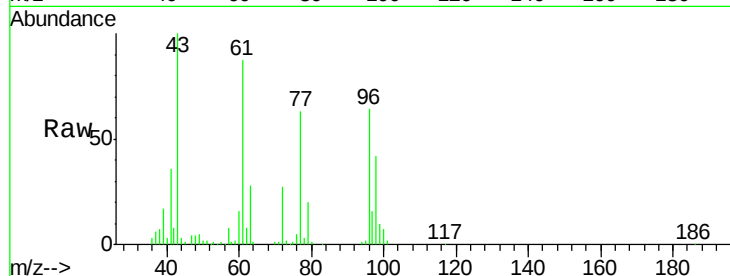




#27
 cis-1,2-Dichloroethene
 Concen: 20.774 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053688.D
 Acq: 8 Feb 2019 18:12

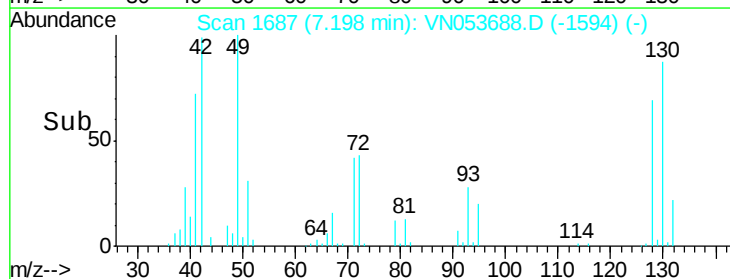
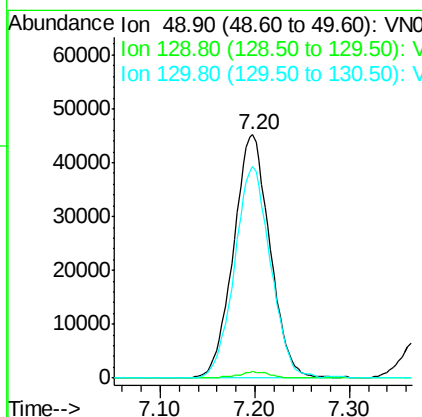
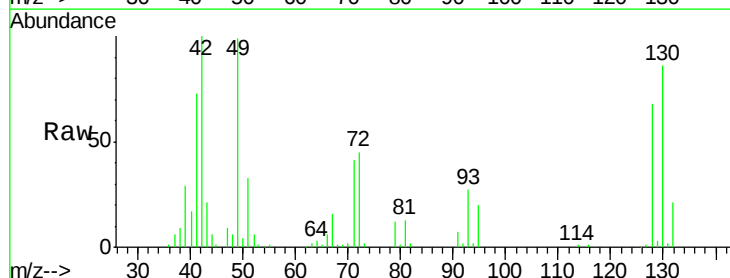
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBSD01

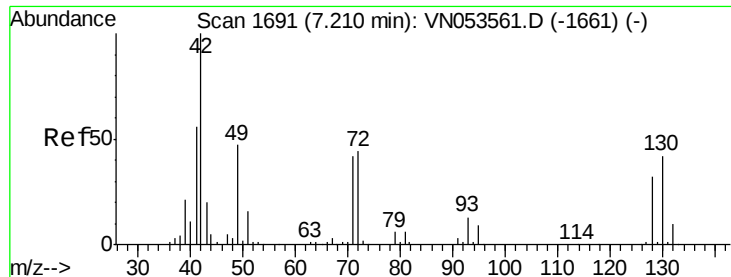
Tot Ion: 96 Resp: 163213
 Ion Ratio Lower Upper
 96 100
 61 139.2 0.0 283.8
 98 65.8 0.0 129.2



#28
 Bromochloromethane
 Concen: 21.652 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN053688.D
 Acq: 8 Feb 2019 18:12

Tgt Ion: 49 Resp: 121090
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.0
 130 86.0 66.3 99.5

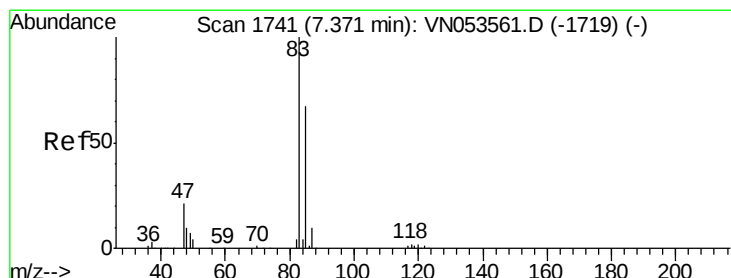
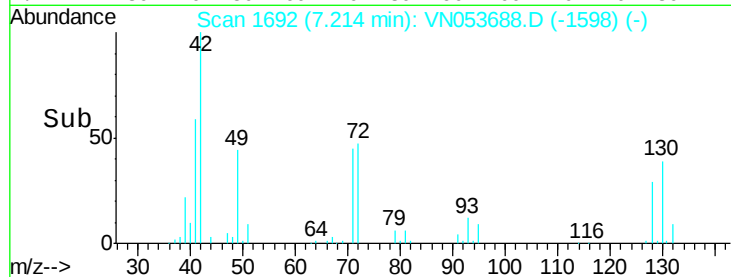
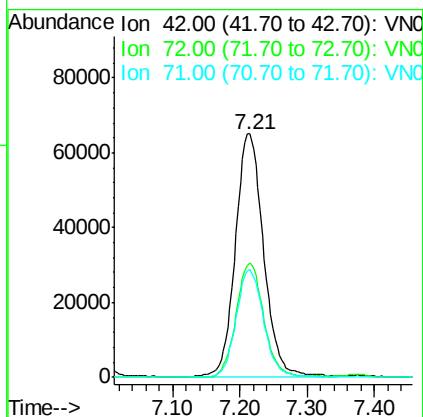
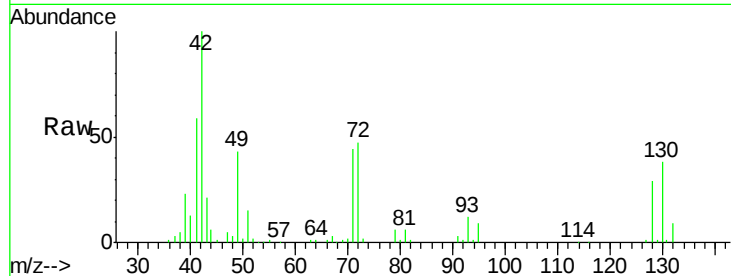




#29
Tetrahydrofuran
Concen: 114.581 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

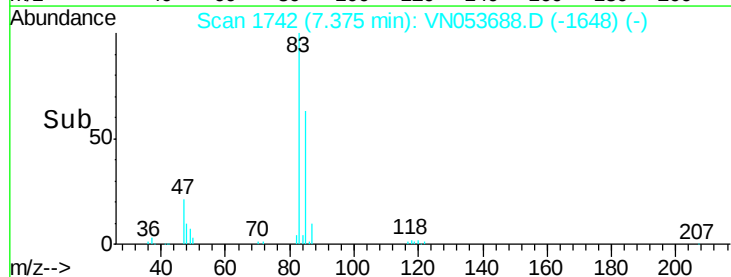
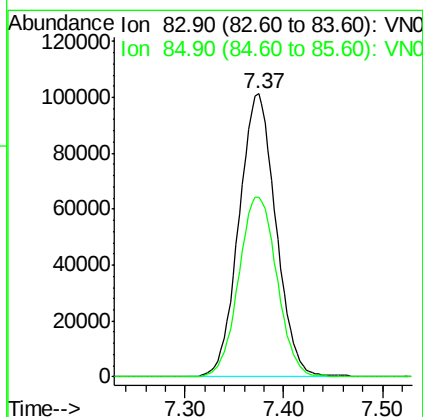
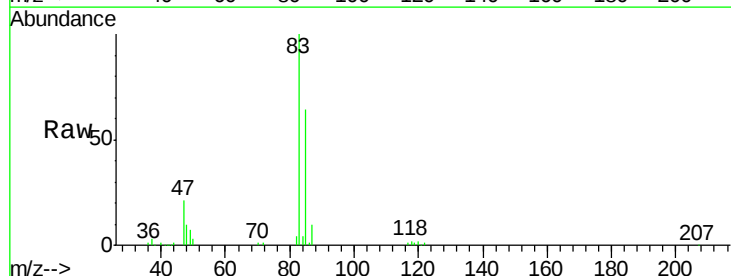
Instrument :
MSVOA_N
ClientSampleId :
VN0208WBSD01

Tot Ion: 42 Resp: 190965
Ion Ratio Lower Upper
42 100
72 45.6 35.2 52.8
71 42.5 33.0 49.4



#30
Chloroform
Concen: 20.550 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion: 83 Resp: 262528
Ion Ratio Lower Upper
83 100
85 63.7 52.2 78.2





#31

Cyclohexane

Concen: 19.297 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampled :

VN0208WBSD01

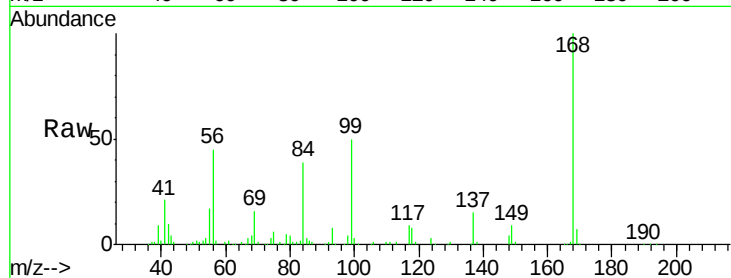
Tot Ion: 56 Resp: 232785

Ion Ratio Lower Upper

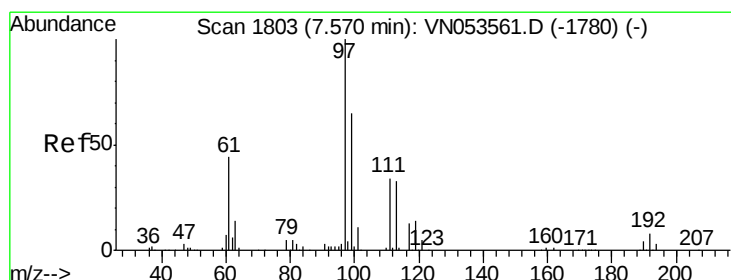
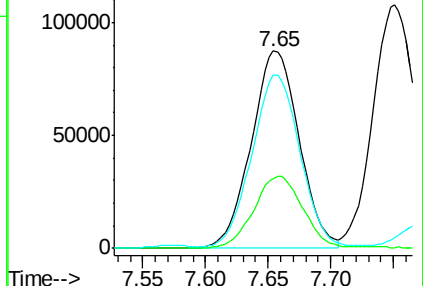
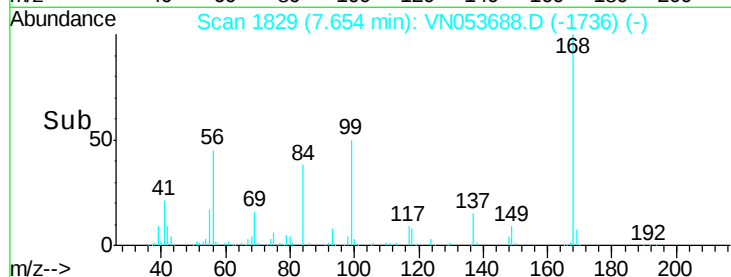
56 100

69 35.4 26.4 39.6

84 86.6 67.9 101.9



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



#32

1,1,1-Trichloroethane

Concen: 20.386 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

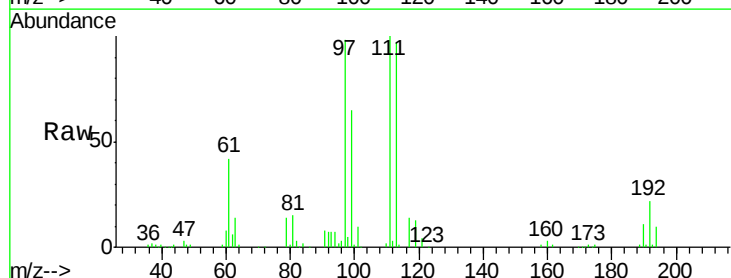
Tgt Ion: 97 Resp: 216731

Ion Ratio Lower Upper

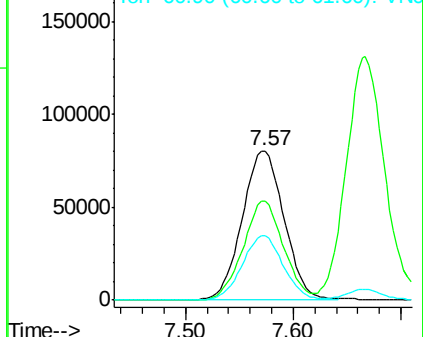
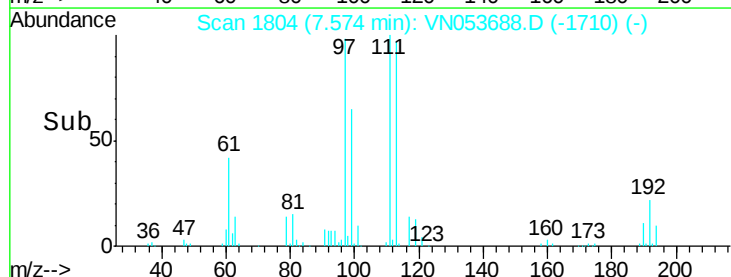
97 100

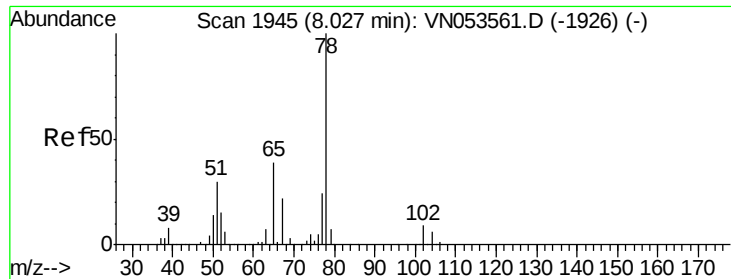
99 64.0 52.0 78.0

61 42.0 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 20.386 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

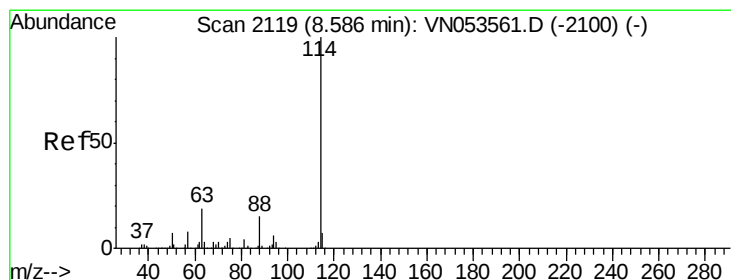
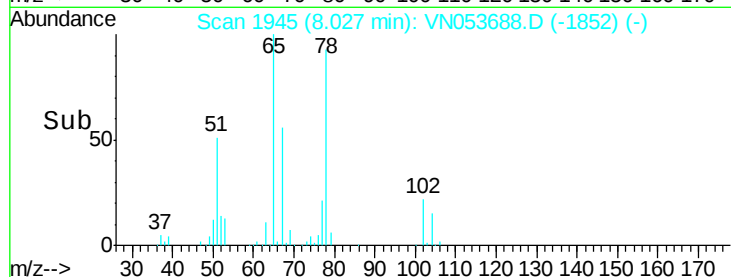
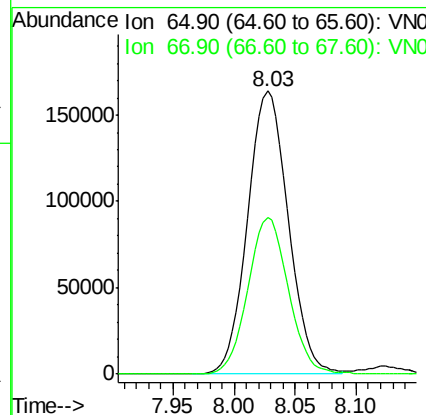
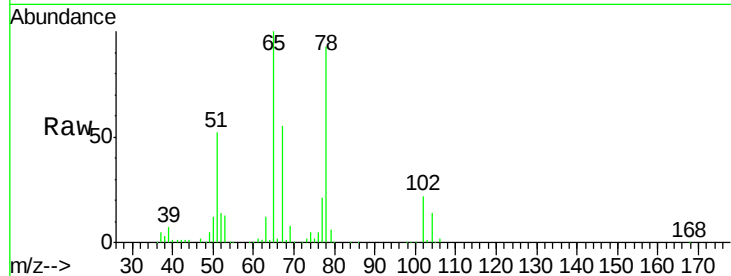
VN0208WBSD01

Tot Ion: 65 Resp: 378651

Ion Ratio Lower Upper

65 100

67 55.3 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

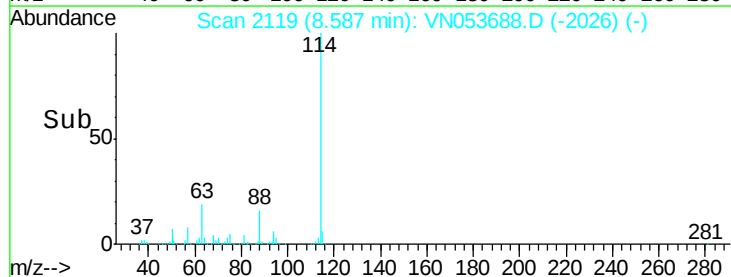
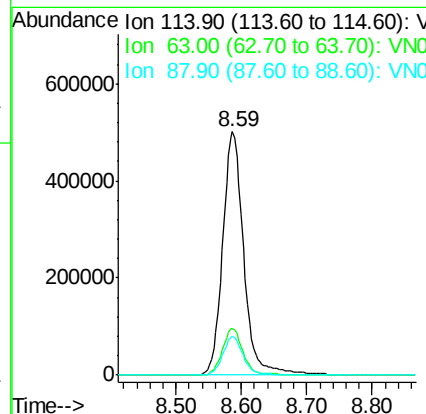
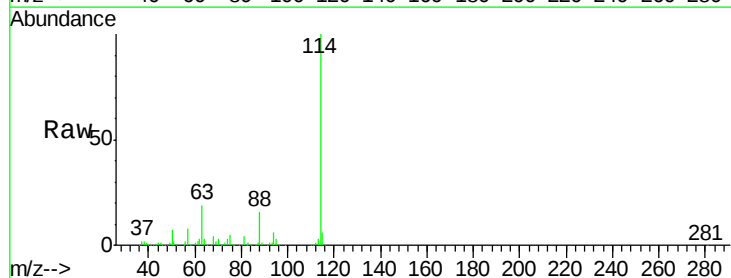
Tgt Ion: 114 Resp: 1126768

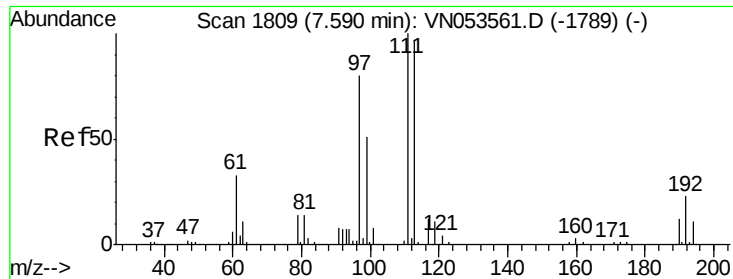
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

88 15.8 0.0 30.4

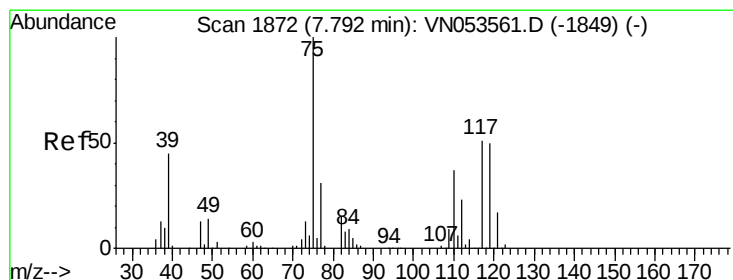
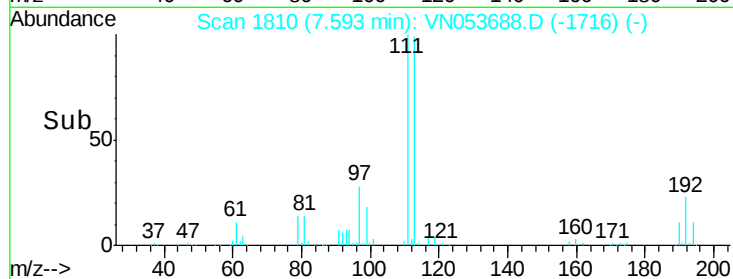
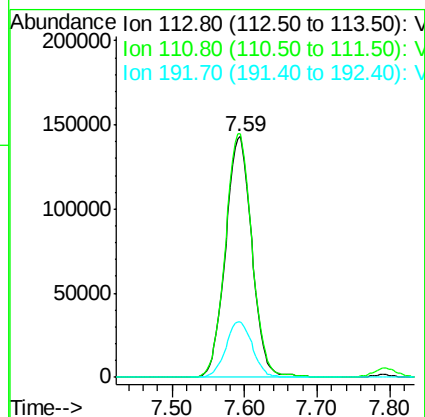
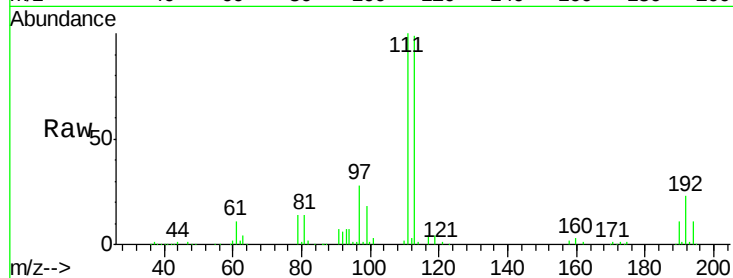




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

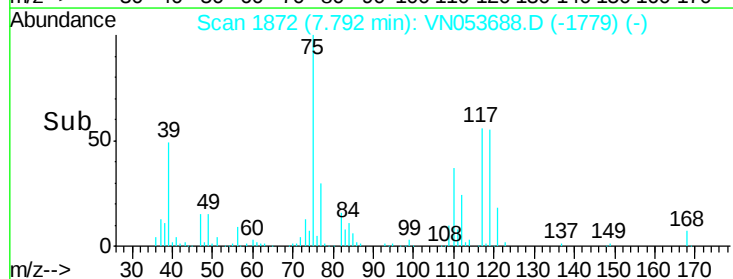
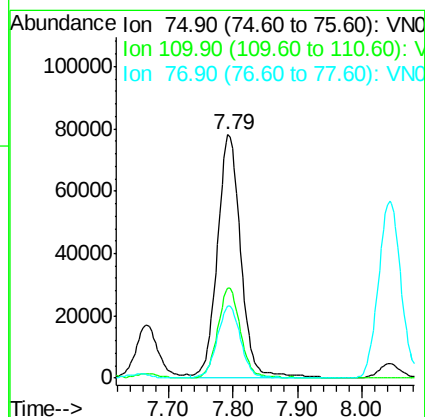
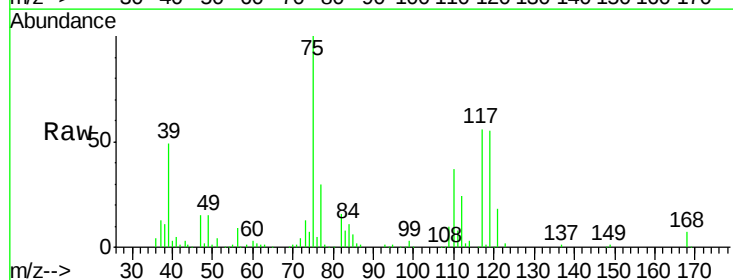
Instrument :
MSVOA_N
ClientSampleId :
VN0208WBSD01

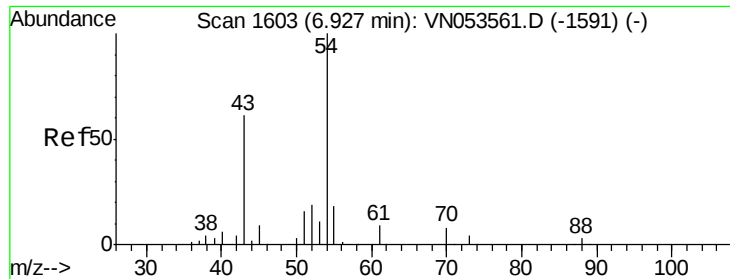
Tot Ion:113 Resp: 362445
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 23.3 18.2 27.2



#36
1,1-Dichloropropene
Concen: 19.419 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion: 75 Resp: 197242
Ion Ratio Lower Upper
75 100
110 35.8 18.1 54.3
77 29.5 25.1 37.7

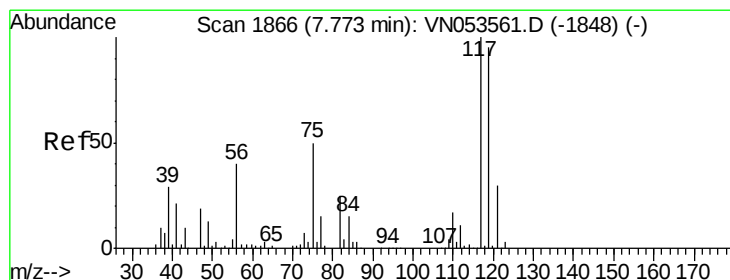
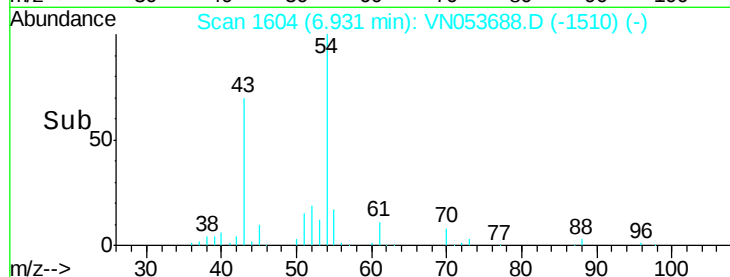
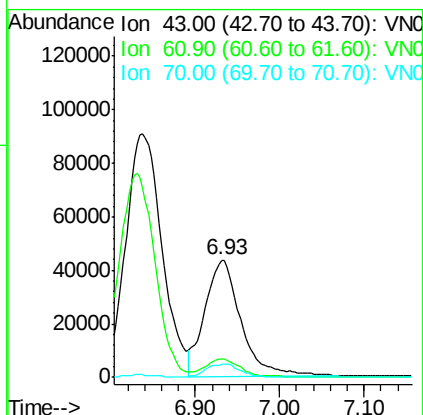
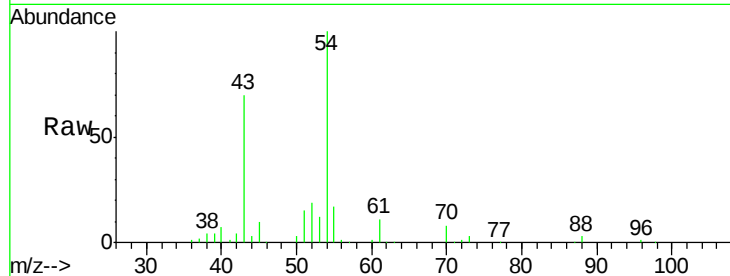




#37
Ethyl Acetate
Concen: 22.695 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

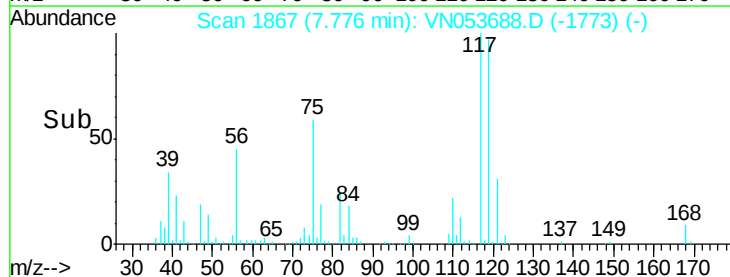
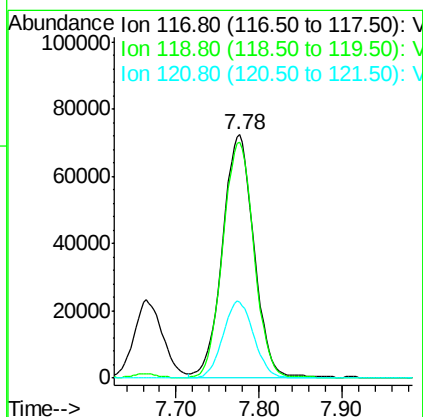
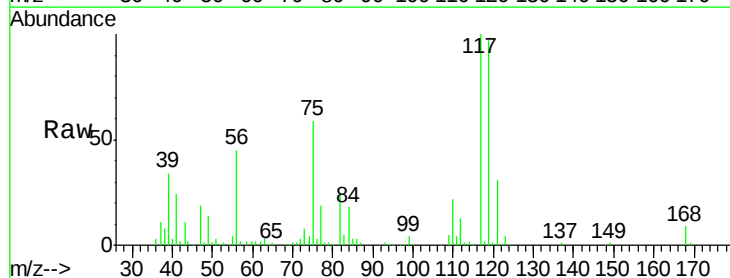
Instrument :
MSVOA_N
ClientSampled :
VN0208WBSD01

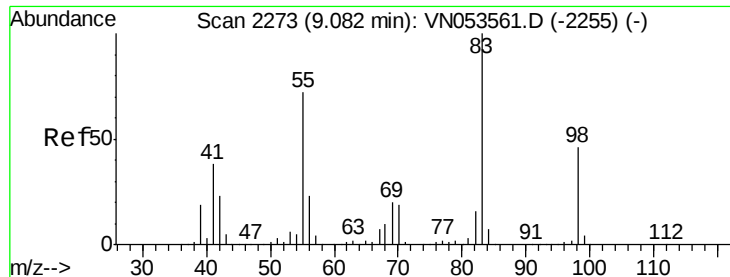
Tot Ion: 43 Resp: 128746
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 11.0 8.6 12.8



#38
Carbon Tetrachloride
Concen: 18.599 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion: 117 Resp: 190305
Ion Ratio Lower Upper
117 100
119 96.8 77.2 115.8
121 31.1 24.6 37.0

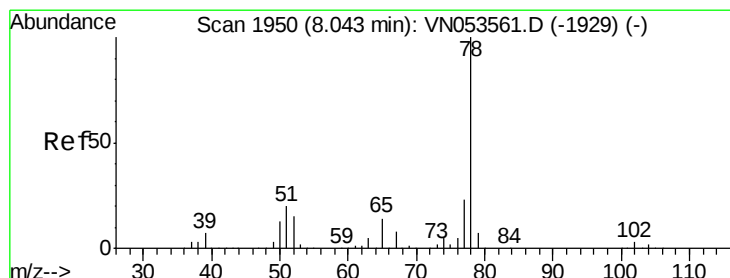
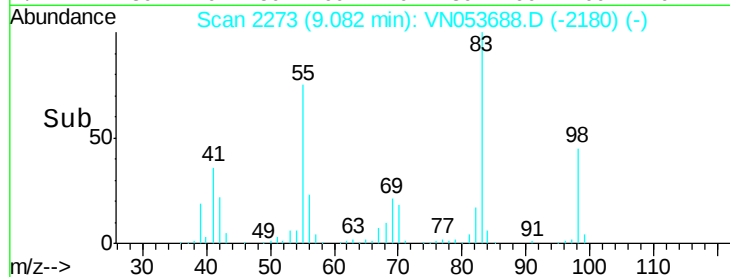
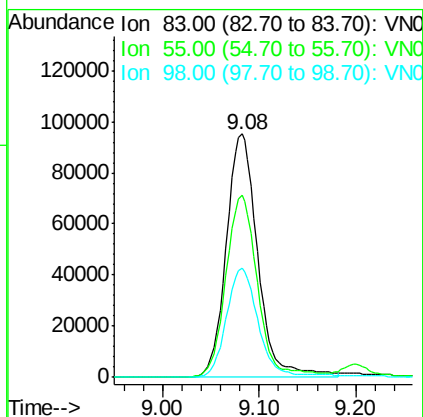
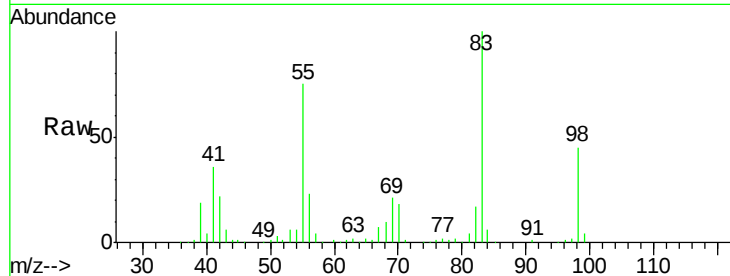




#39
Methvlcvclohexane
Concen: 17.901 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

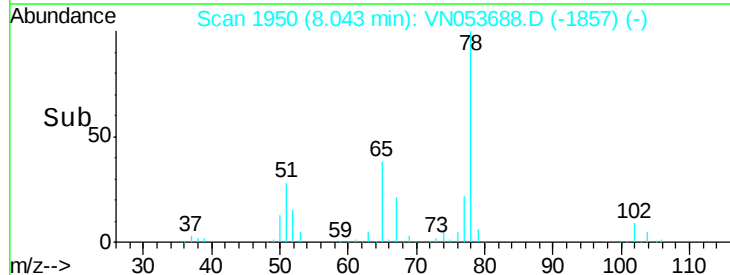
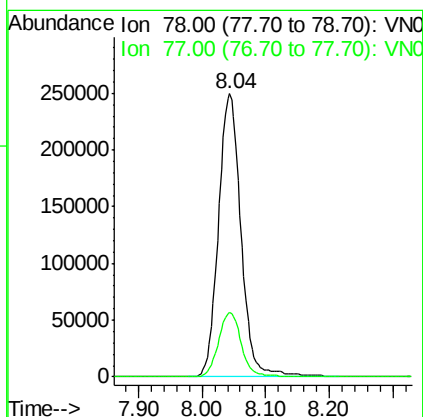
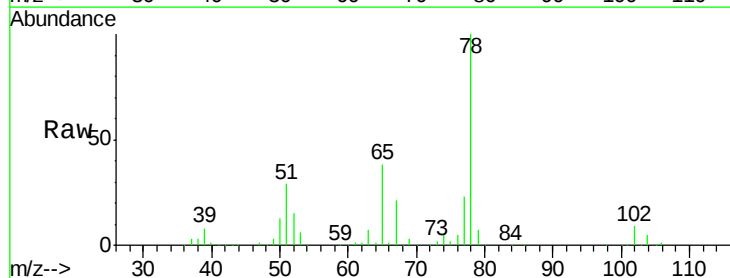
Instrument :
MSVOA_N
ClientSampleId :
VN0208WBSD01

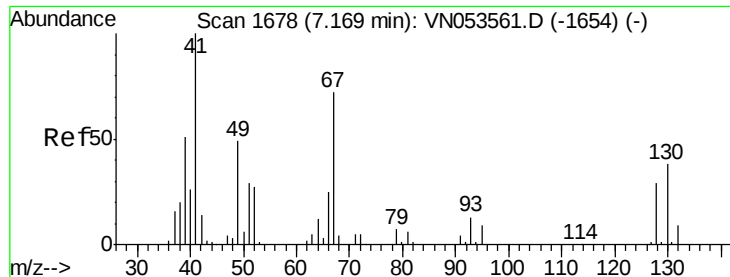
Tot Ion: 83 Resp: 215709
Ion Ratio Lower Upper
83 100
55 74.6 60.1 90.1
98 44.6 36.6 55.0



#40
Benzene
Concen: 19.612 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion: 78 Resp: 614275
Ion Ratio Lower Upper
78 100
77 22.7 18.8 28.2

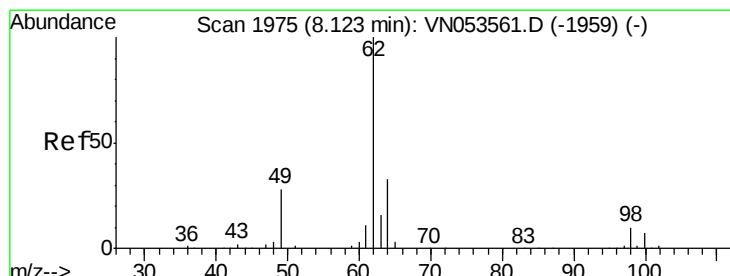
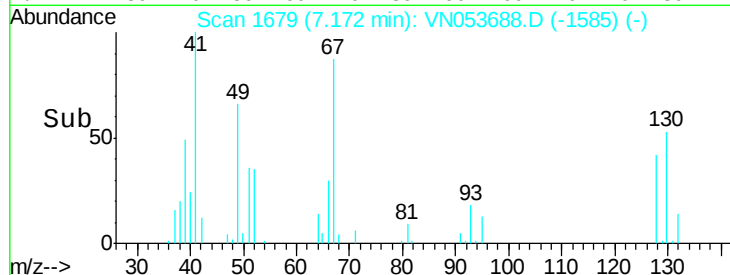
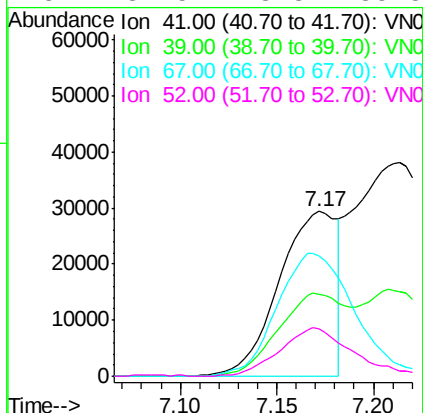
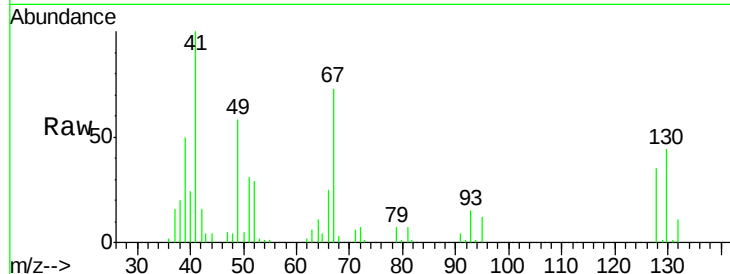




#41
Methacrylonitrile
Concen: 19.338 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

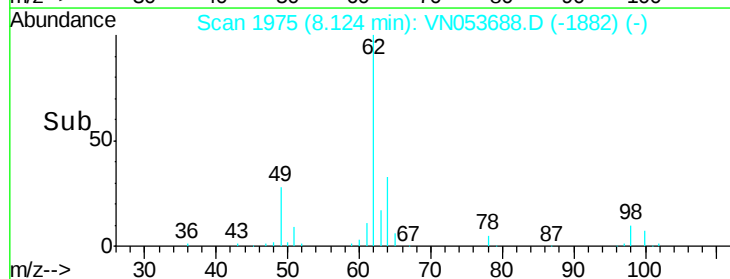
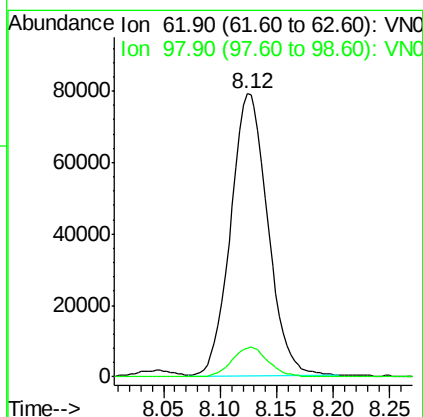
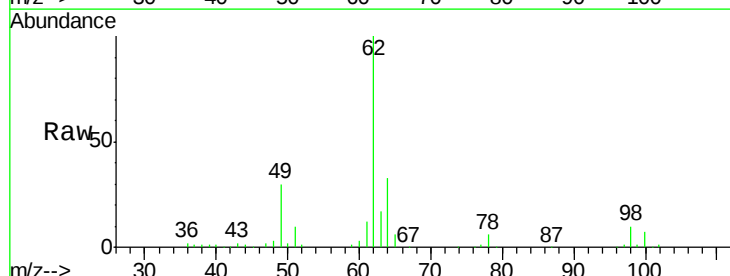
Instrument :
MSVOA_N
ClientSampleId :
VN0208WBSD01

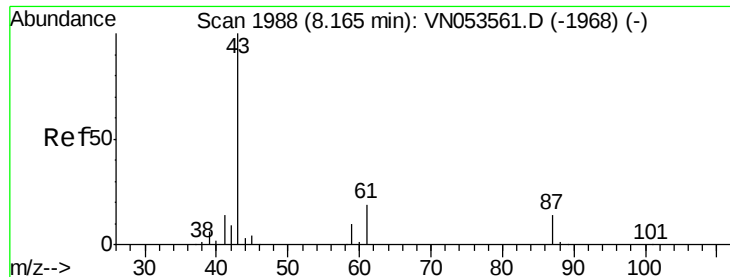
Tot Ion: 41 Resp: 61311
Ion Ratio Lower Upper
41 100
39 57.9 46.8 70.2
67 99.5 63.0 94.6#
52 37.5 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 19.406 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion: 62 Resp: 180483
Ion Ratio Lower Upper
62 100
98 10.4 0.0 19.6





#43

Isopropyl Acetate

Concen: 20.936 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBSD01

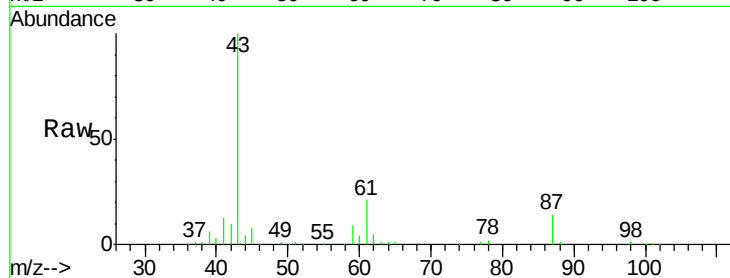
Tot Ion: 43 Resp: 229363

Ion Ratio Lower Upper

43 100

61 28.1 23.9 35.9

87 12.9 11.0 16.6

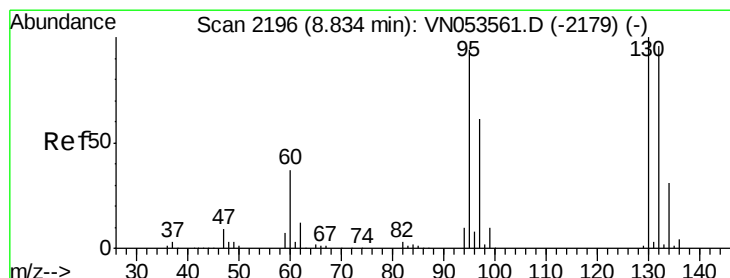
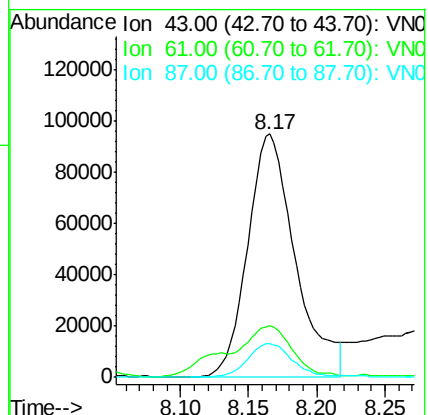
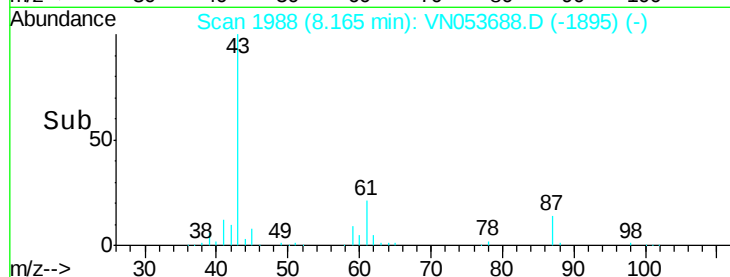


Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN053561.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN053561.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 18.523 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053688.D

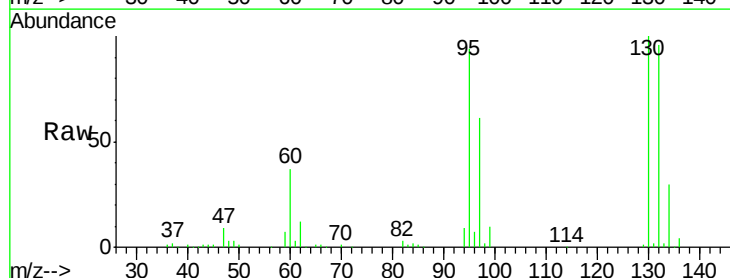
Acq: 8 Feb 2019 18:12

Tgt Ion:130 Resp: 165175

Ion Ratio Lower Upper

130 100

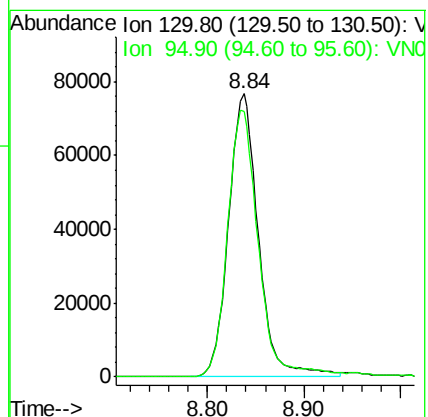
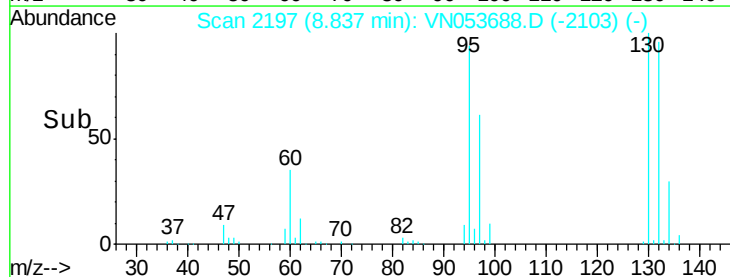
95 93.7 0.0 191.4

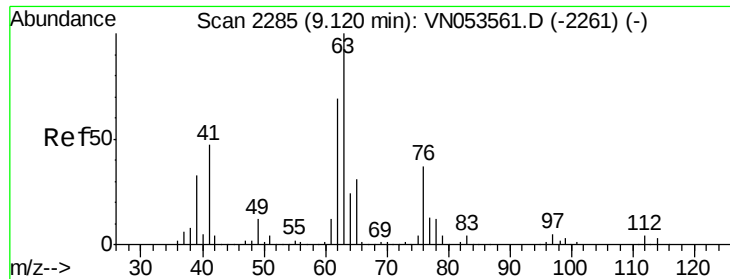


Abundance Ion 129.80 (129.50 to 130.50): VN053561.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053561.D (-2179) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 20.255 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

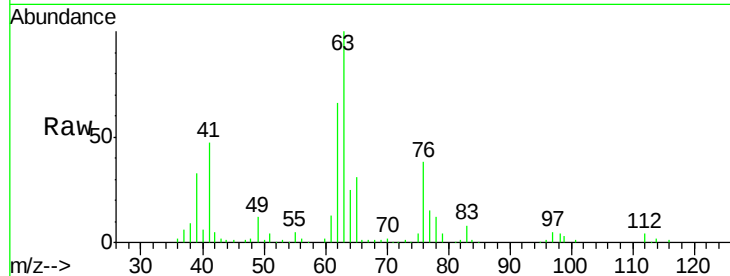
VN0208WBSD01

Tot Ion: 63 Resp: 162267

Ion Ratio Lower Upper

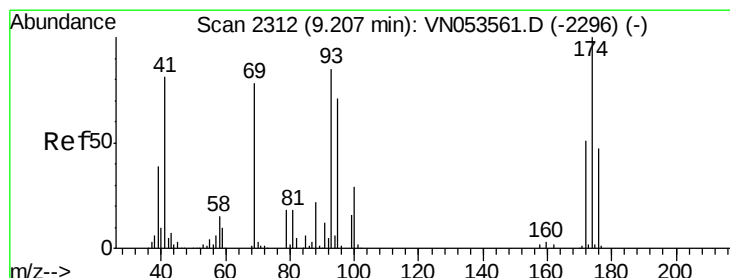
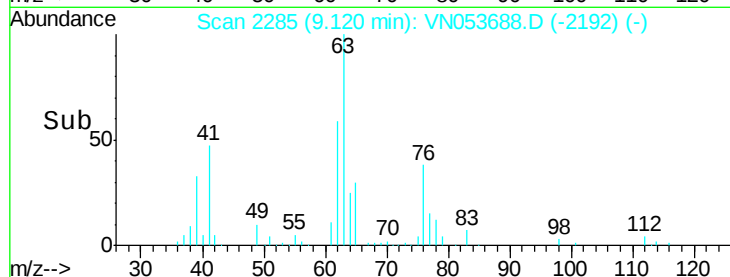
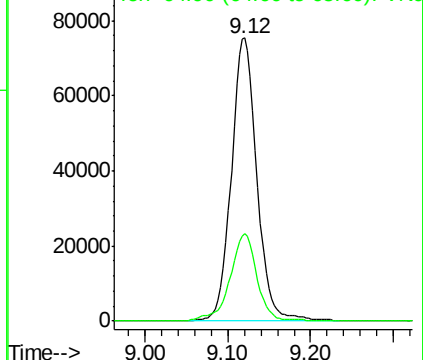
63 100

65 30.7 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.770 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

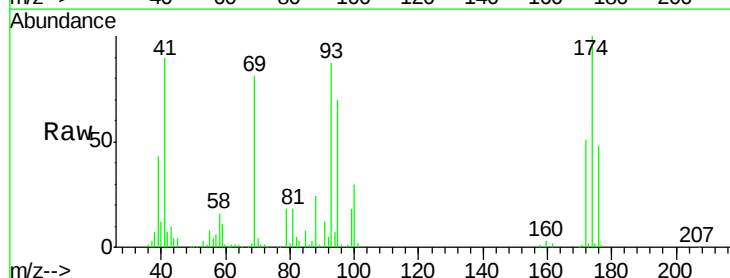
Tgt Ion: 93 Resp: 95475

Ion Ratio Lower Upper

93 100

95 83.3 67.3 100.9

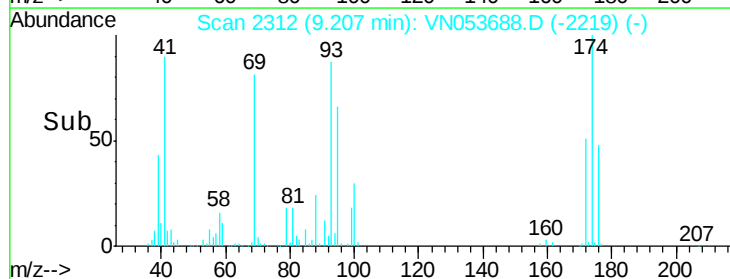
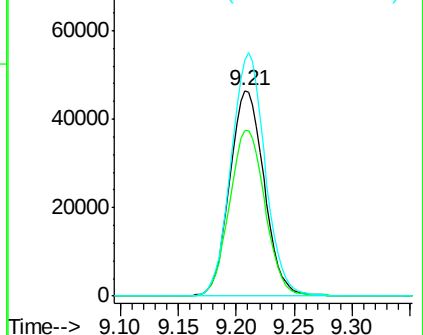
174 116.7 91.0 136.4

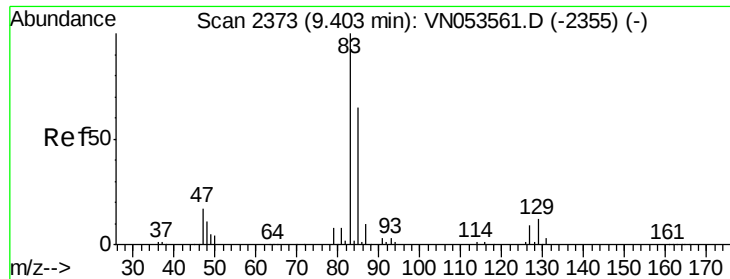


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.560 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBSD01

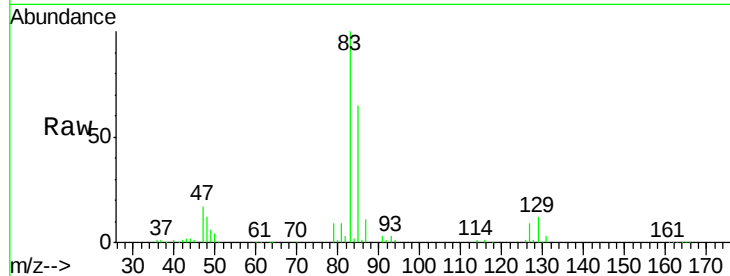
Tot Ion: 83 Resp: 196403

Ion Ratio Lower Upper

83 100

85 65.0 51.0 76.6

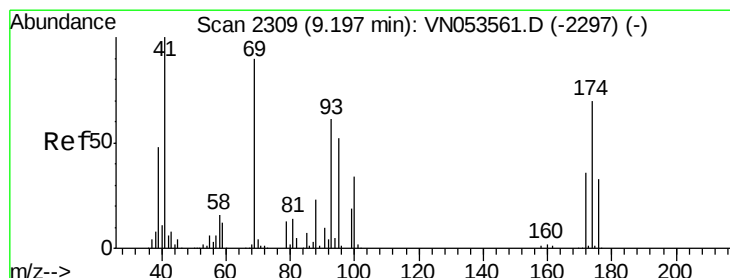
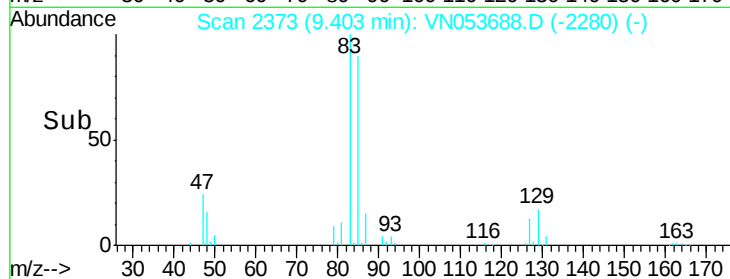
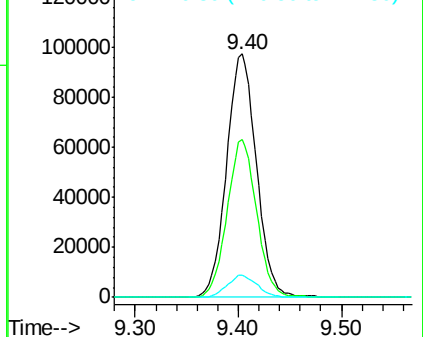
127 9.2 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.840 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

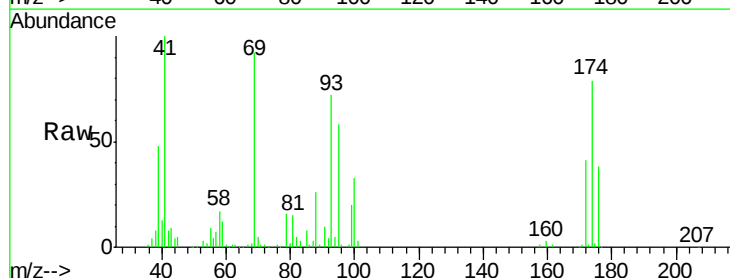
Tgt Ion: 41 Resp: 108982

Ion Ratio Lower Upper

41 100

69 93.3 73.8 110.6

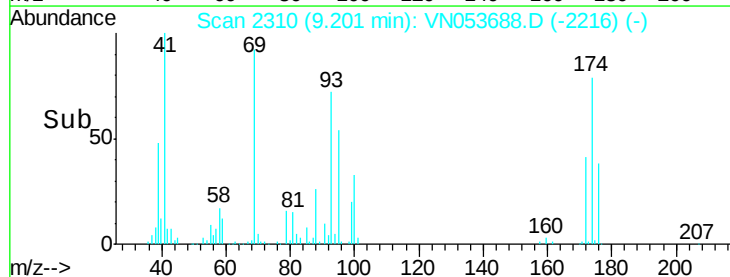
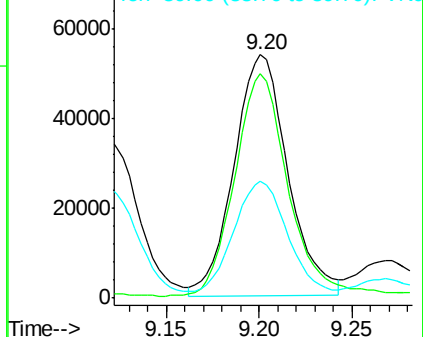
39 49.2 40.0 60.0

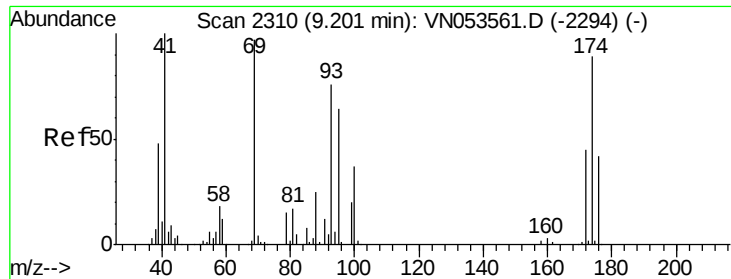


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

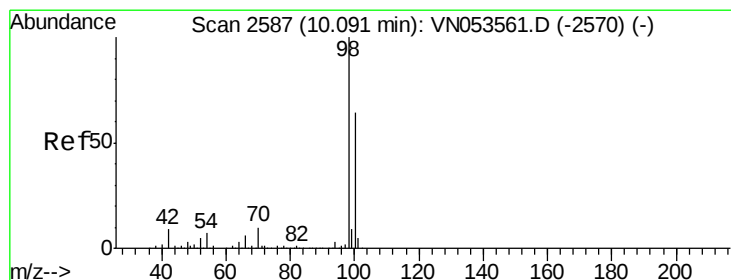
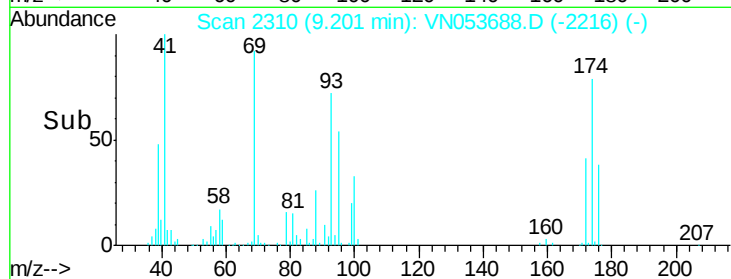
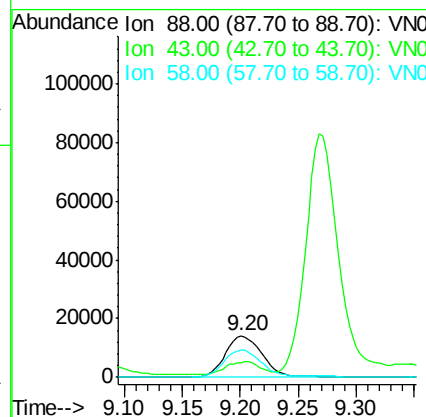
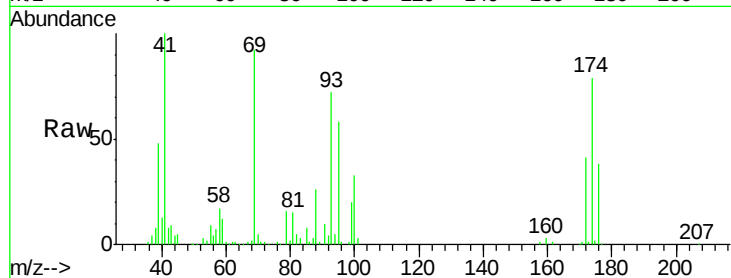




#49
1,4-Dioxane
Concen: 438.715 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

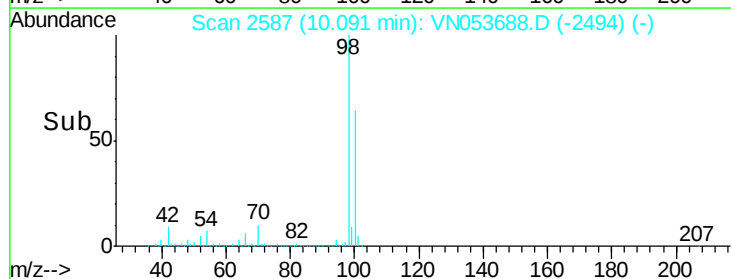
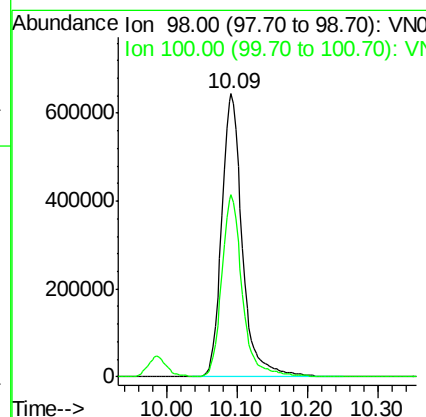
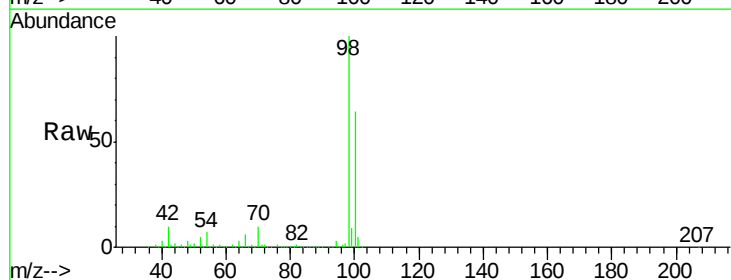
Instrument :
MSVOA_N
ClientSampleId :
VN0208WBSD01

Tot Ion: 88 Resp: 31513
Ion Ratio Lower Upper
88 100
43 28.3 27.8 41.6
58 67.5 56.5 84.7



#50
Toluene-d8
Concen: 438.715 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion: 98 Resp: 1312915
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 108.788 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

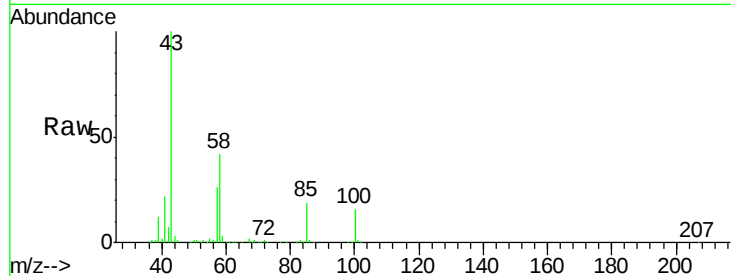
VN0208WBSD01

Tot Ion: 43 Resp: 585658

Ion Ratio Lower Upper

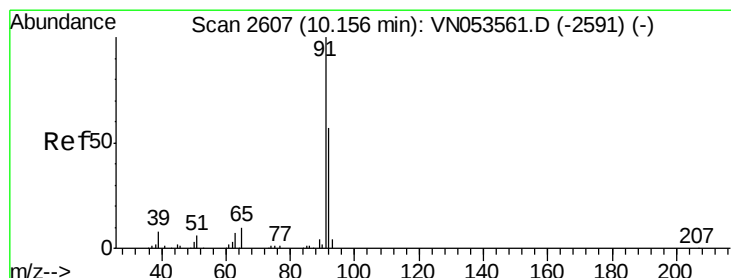
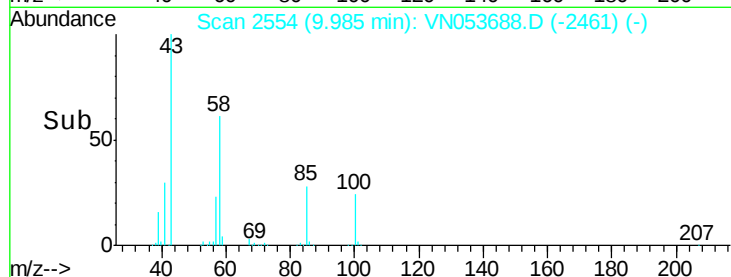
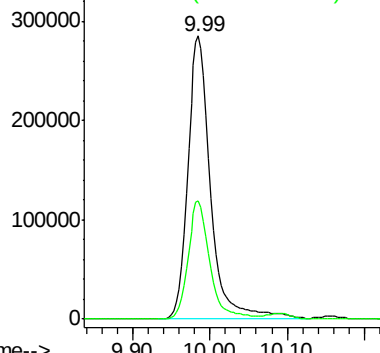
43 100

58 40.3 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.637 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053688.D

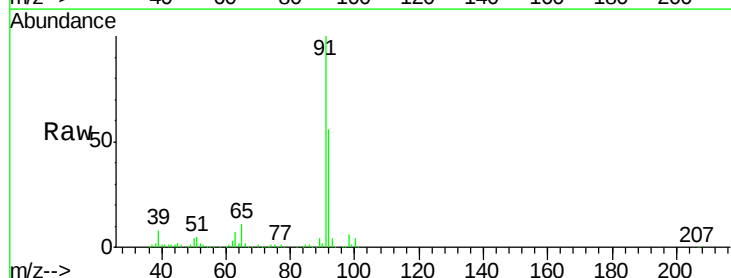
Acq: 8 Feb 2019 18:12

Tgt Ion: 92 Resp: 365043

Ion Ratio Lower Upper

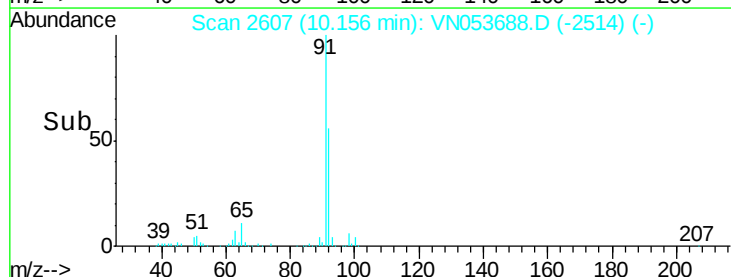
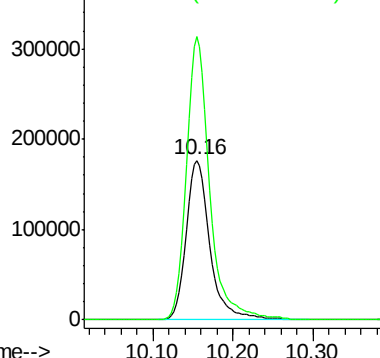
92 100

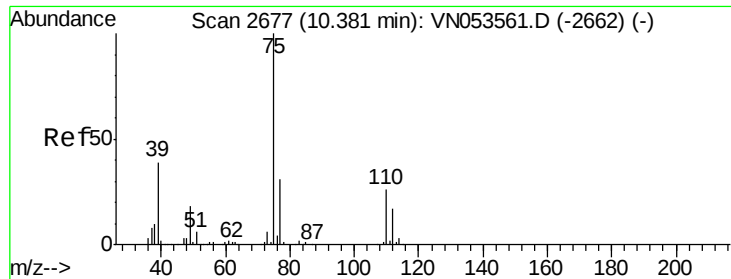
91 173.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

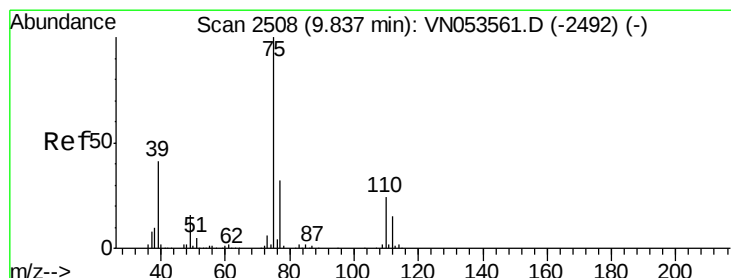
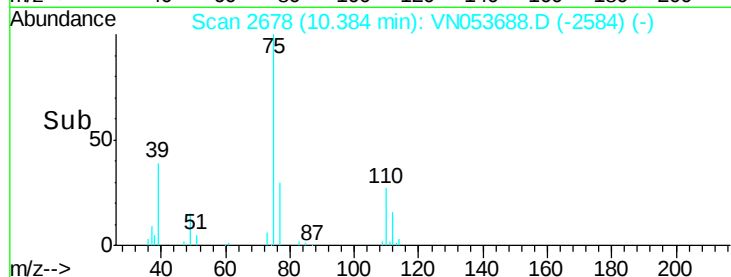
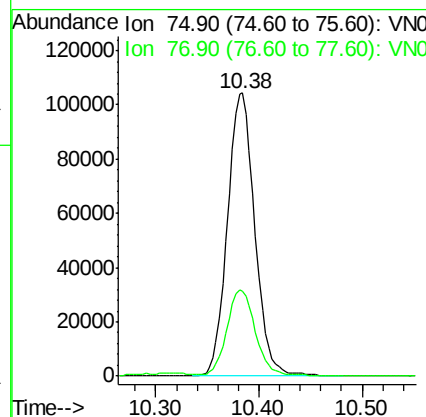
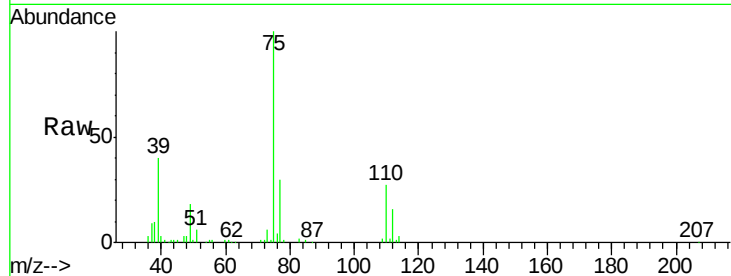




#53
 t-1,3-Dichloropropene
 Concen: 19.146 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN053688.D
 Acq: 8 Feb 2019 18:12

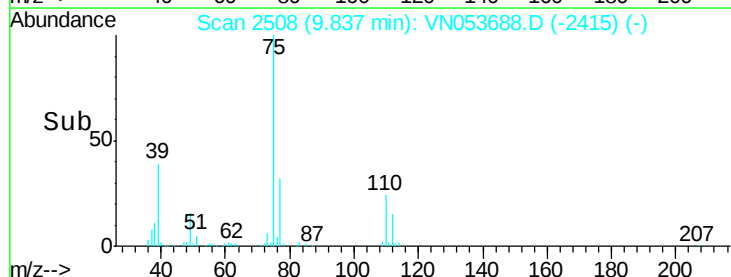
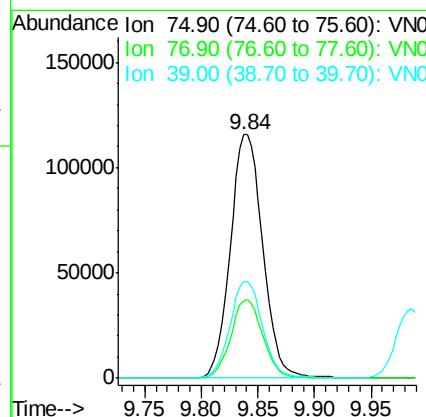
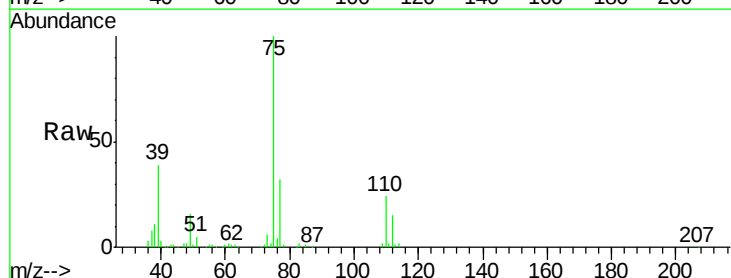
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBSD01

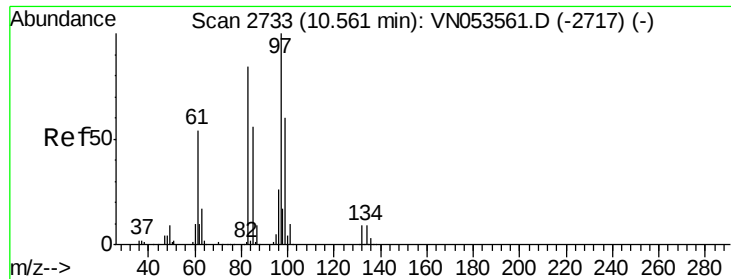
Tot Ion: 75 Resp: 192510
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 19.396 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN053688.D
 Acq: 8 Feb 2019 18:12

Tgt Ion: 75 Resp: 231103
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.6
 39 39.4 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 20.138 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBSD01

Tot Ion: 97 Resp: 134898

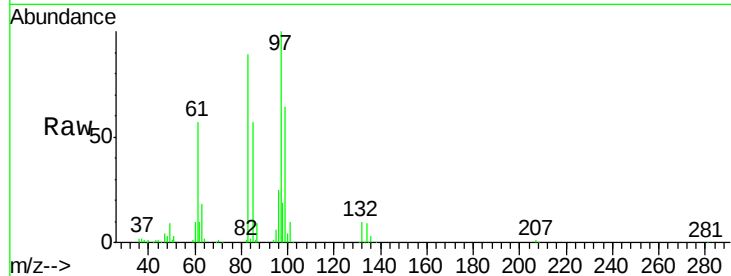
Ion Ratio Lower Upper

97 100

83 88.7 70.1 105.1

85 56.9 45.4 68.0

99 63.8 49.8 74.8

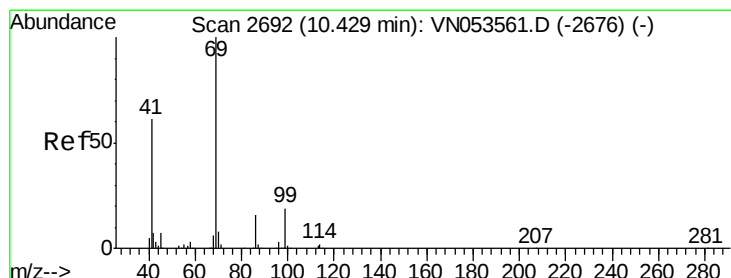
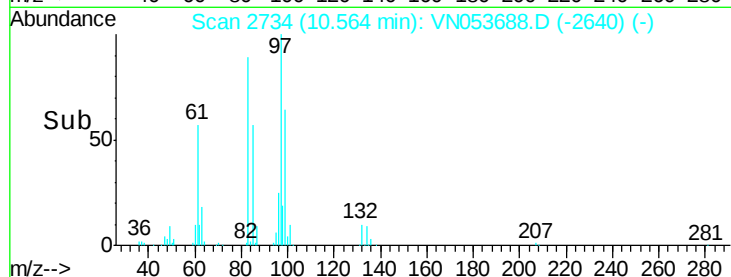
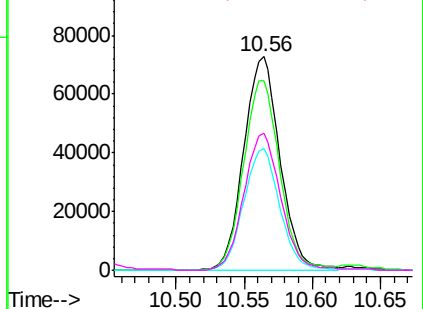


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.185 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

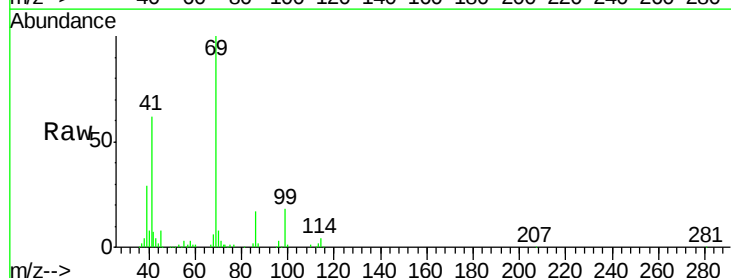
Tgt Ion: 69 Resp: 167878

Ion Ratio Lower Upper

69 100

41 59.3 49.4 74.0

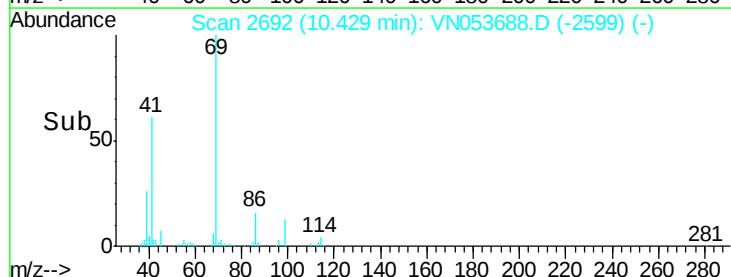
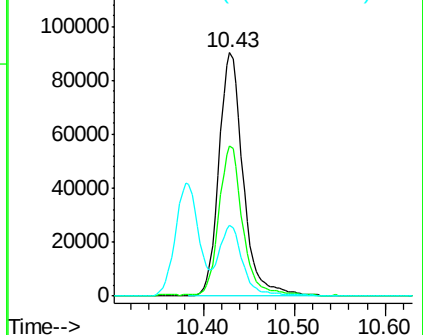
39 27.3 23.3 34.9

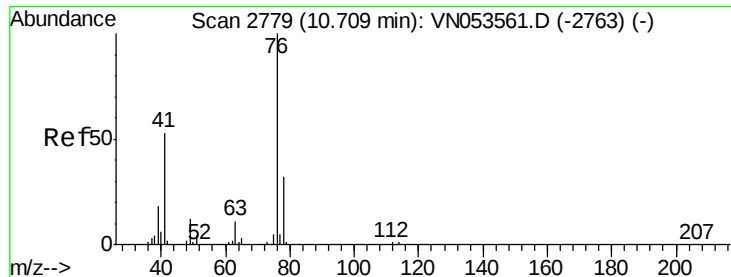


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

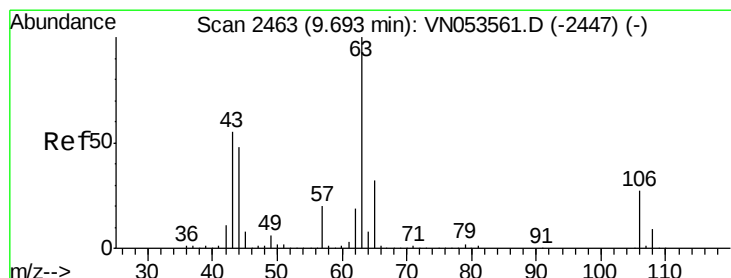
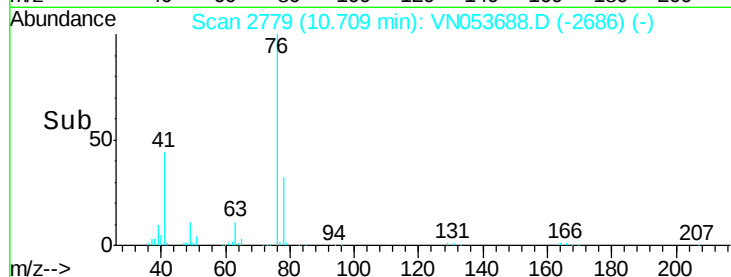
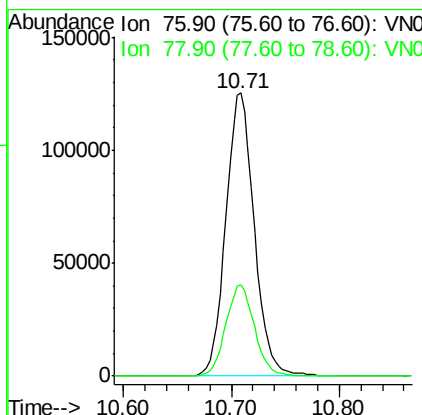
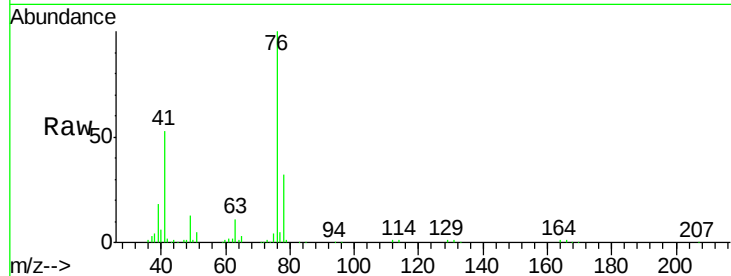




#57
 1,3-Dichloropropane
 Concen: 20.107 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053688.D
 Acq: 8 Feb 2019 18:12

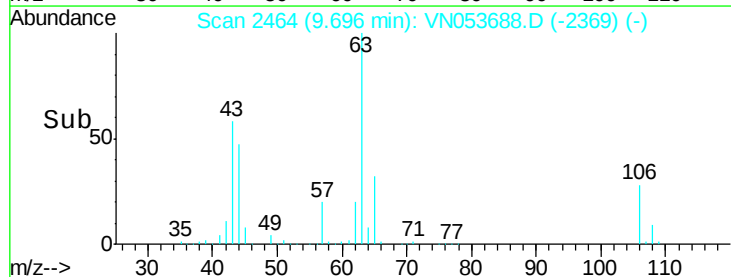
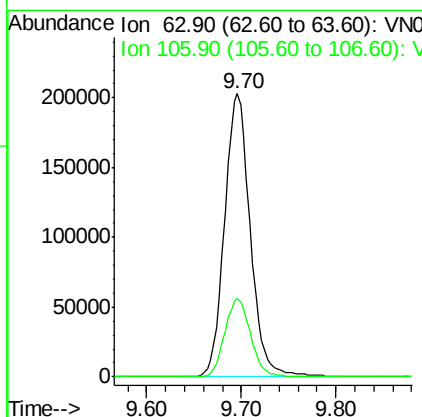
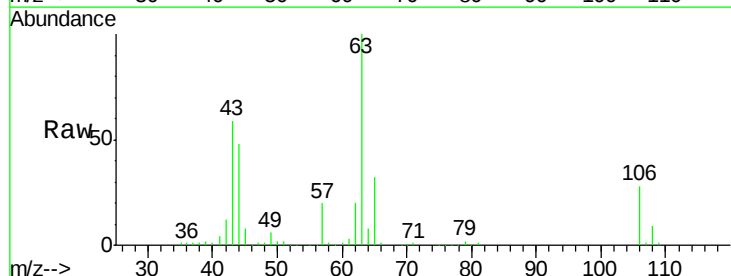
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBSD01

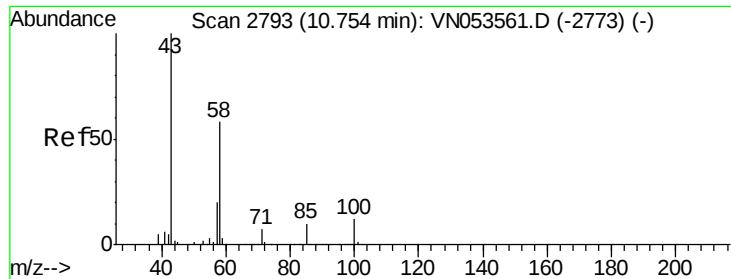
Tot Ion: 76 Resp: 230194
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.480 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053688.D
 Acq: 8 Feb 2019 18:12

Tgt Ion: 63 Resp: 383179
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.5 32.3

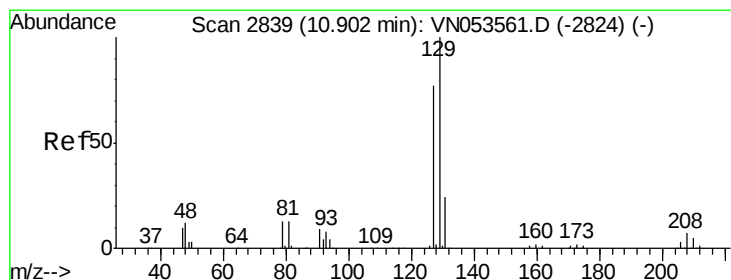
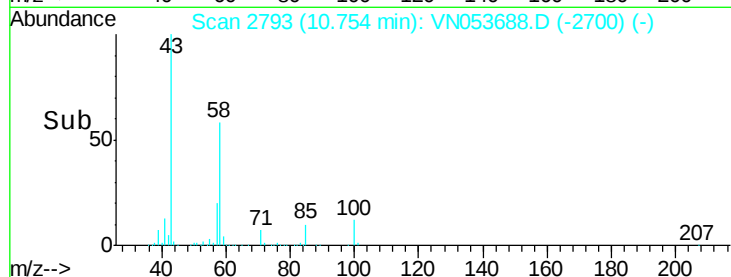
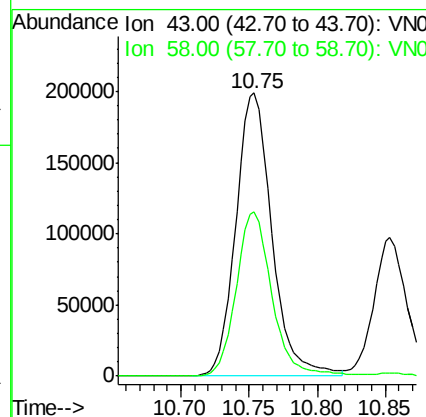
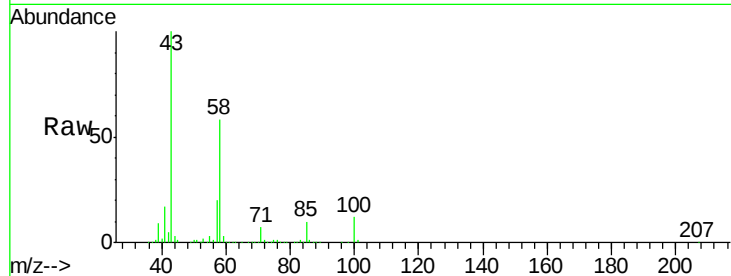




#59
2-Hexanone
Concen: 99.311 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

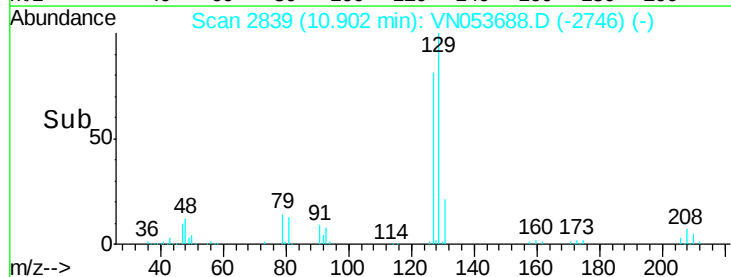
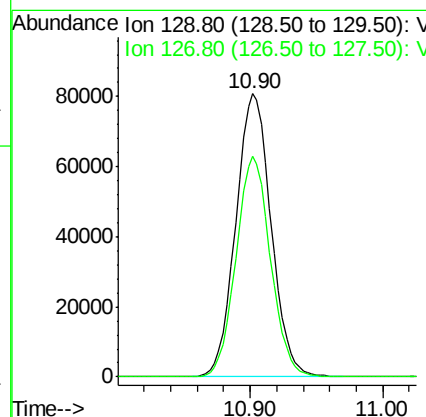
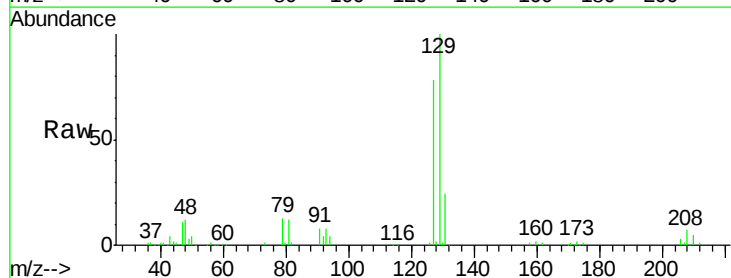
Instrument :
MSVOA_N
ClientSampled :
VN0208WBSD01

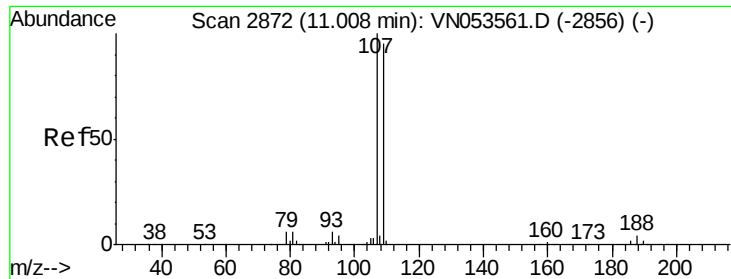
Tot Ion: 43 Resp: 362950
Ion Ratio Lower Upper
43 100
58 57.8 28.6 85.8



#60
Dibromochloromethane
Concen: 19.717 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion: 129 Resp: 148941
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8

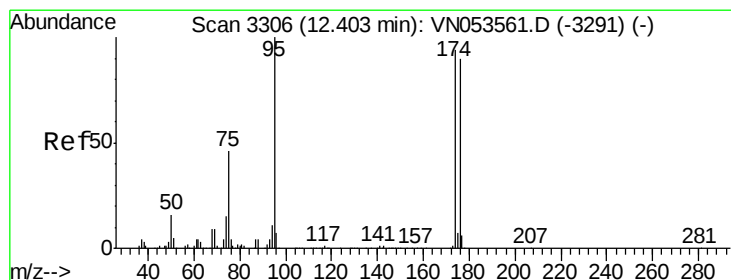
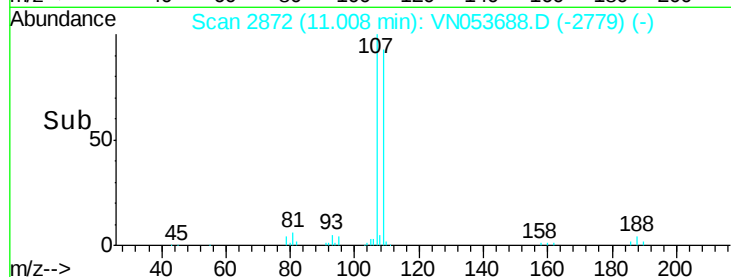
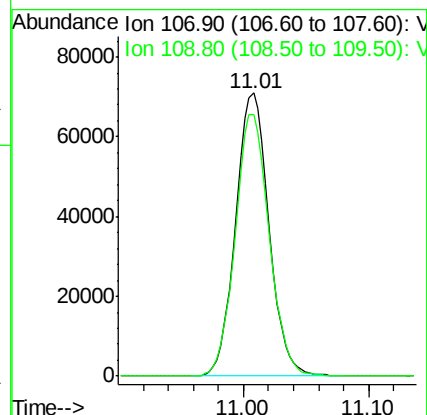
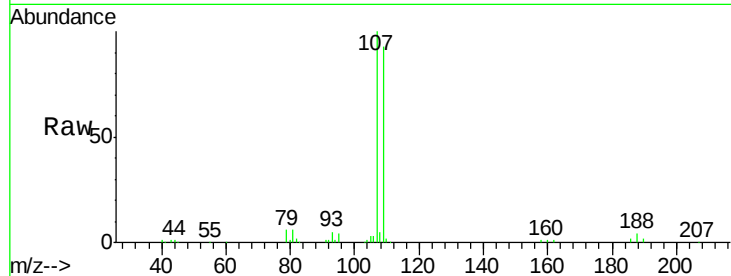




#61
 1,2-Dibromoethane
 Concen: 19.749 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053688.D
 Acq: 8 Feb 2019 18:12

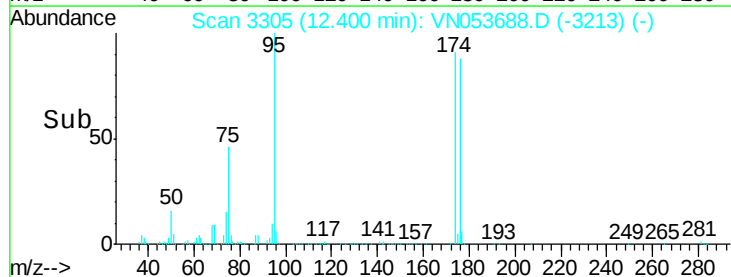
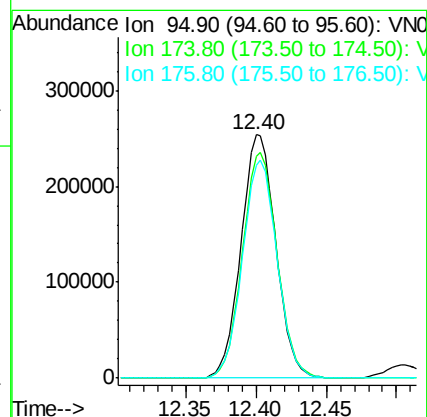
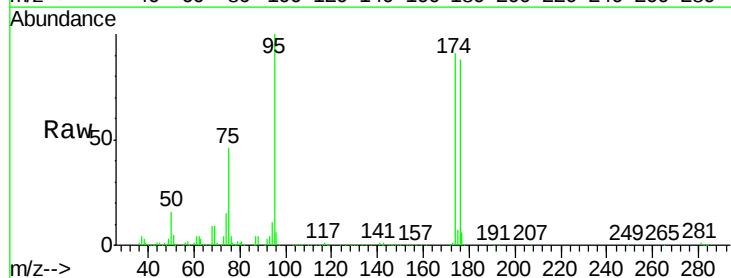
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0208WBSD01

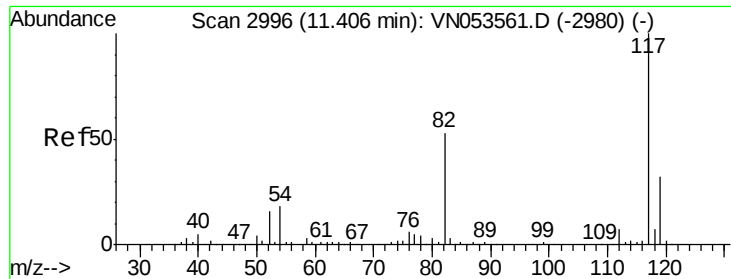
Tot Ion:107 Resp: 130934
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 19.749 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053688.D
 Acq: 8 Feb 2019 18:12

Tgt Ion: 95 Resp: 439316
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 183.2
 176 89.1 0.0 177.4

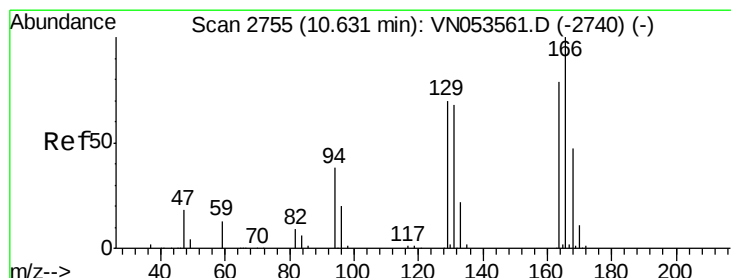
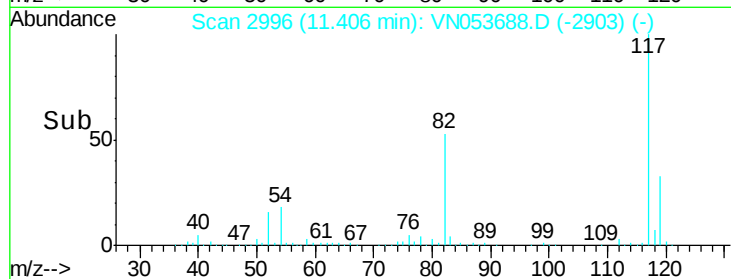
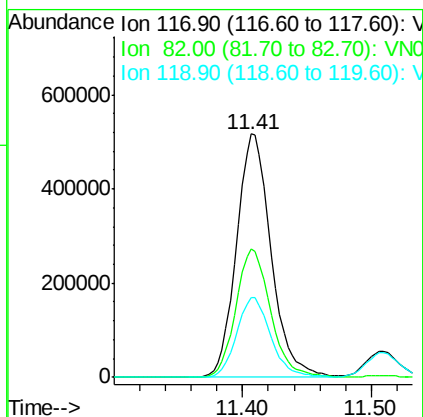
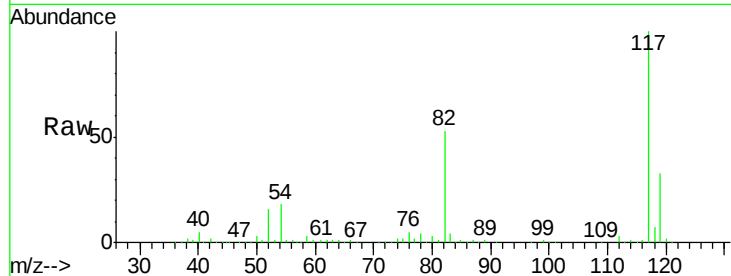




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

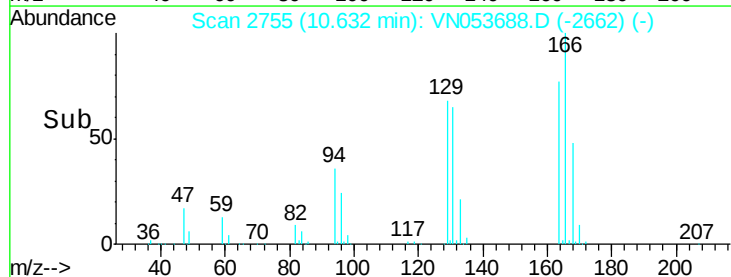
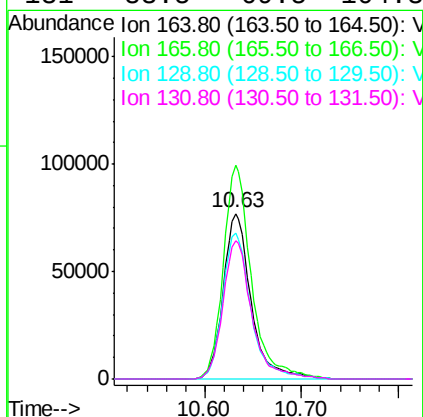
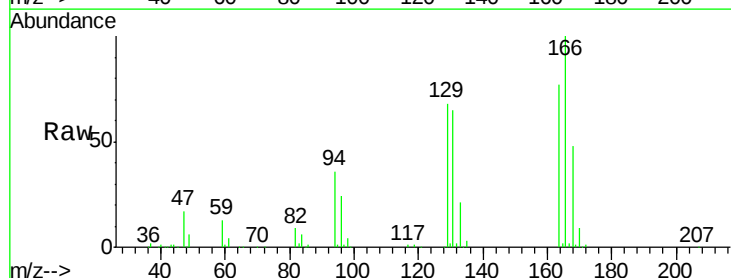
Instrument :
MSVOA_N
ClientSampleId :
VN0208WBSD01

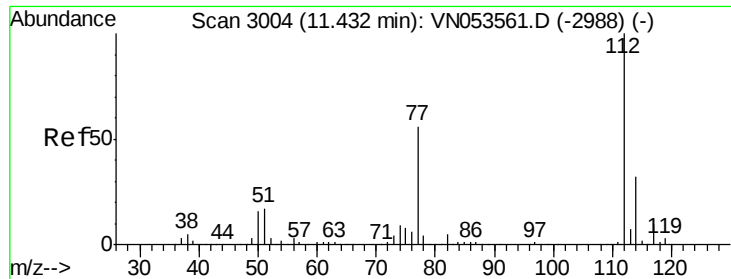
Tot Ion:117 Resp: 965319
Ion Ratio Lower Upper
117 100
82 52.6 42.9 64.3
119 32.9 26.0 39.0



#64
Tetrachloroethene
Concen: 18.646 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion:164 Resp: 154292
Ion Ratio Lower Upper
164 100
166 129.3 102.2 153.4
129 88.5 72.6 109.0
131 83.5 69.5 104.3

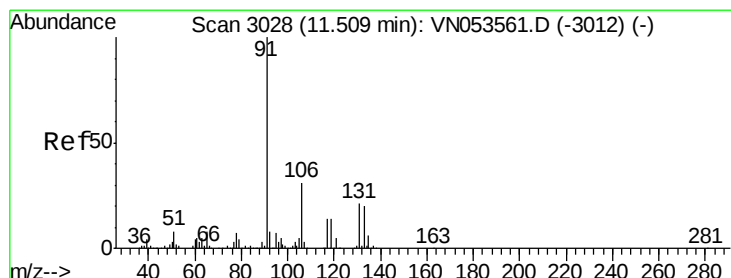
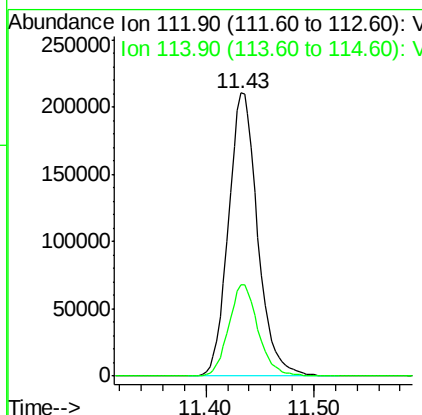
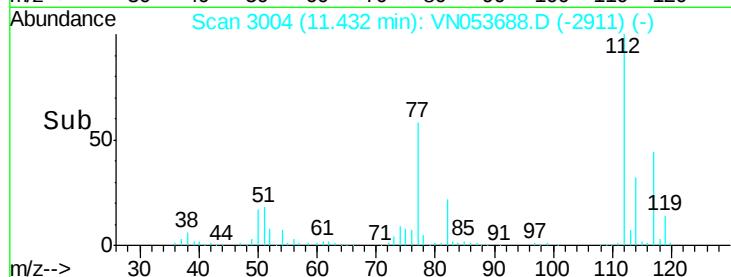
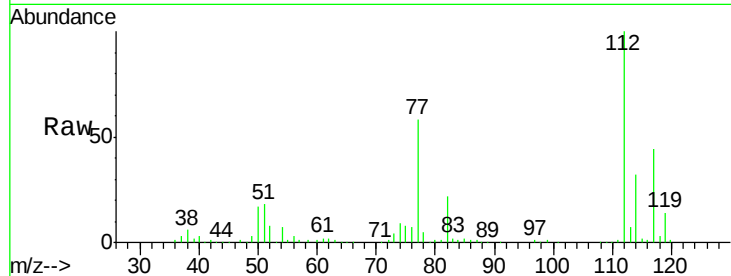




#65
Chlorobenzene
Concen: 19.418 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

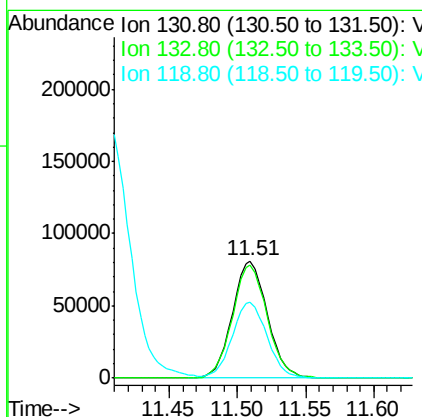
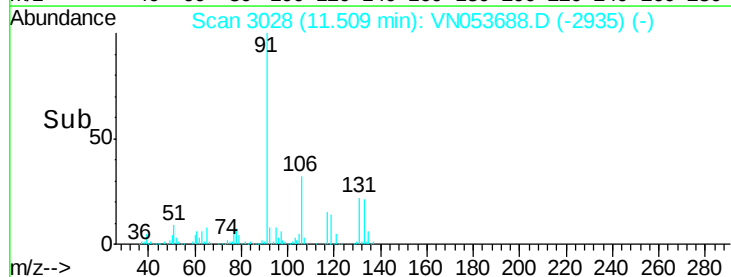
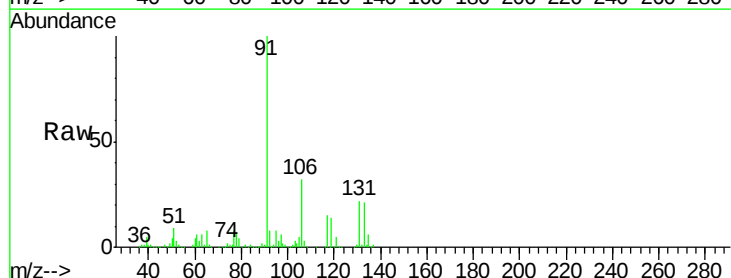
Instrument :
MSVOA_N
ClientSampleId :
VN0208WBSD01

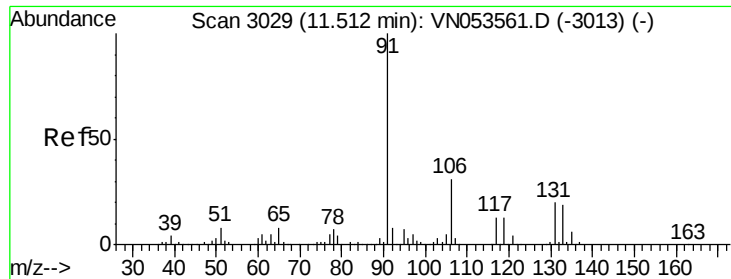
Tot Ion:112 Resp: 398158
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.192 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion:131 Resp: 144597
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 64.7 33.5 100.5

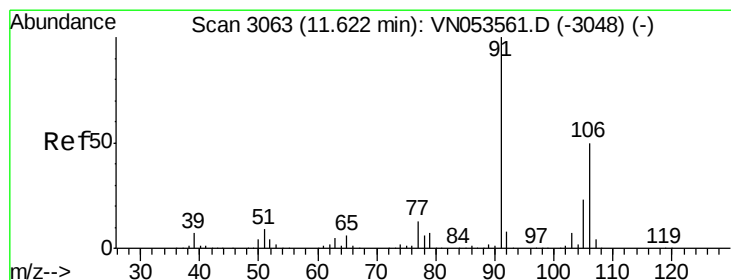
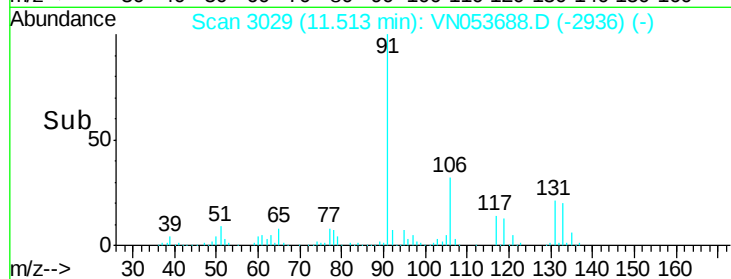
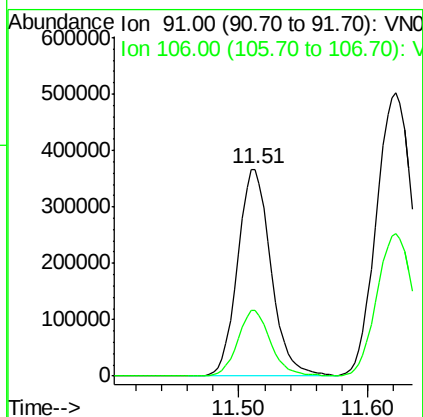
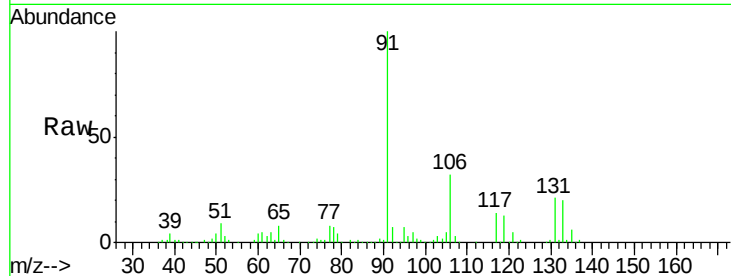




#67
Ethyl Benzene
Concen: 19.644 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

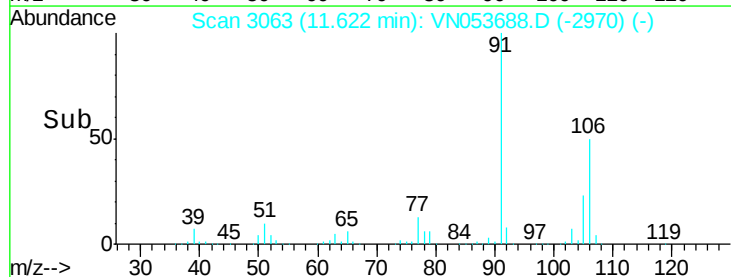
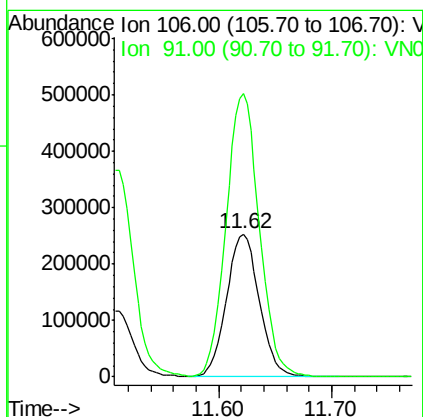
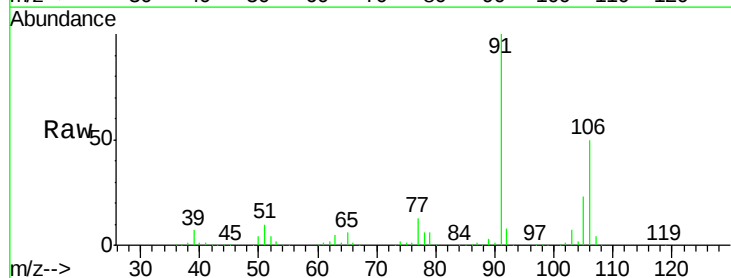
Instrument :
MSVOA_N
ClientSampled :
VN0208WBSD01

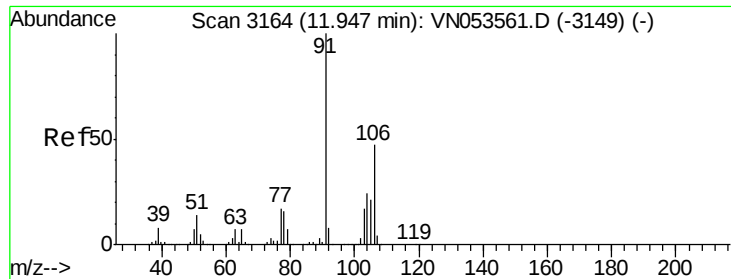
Tot Ion: 91 Resp: 661646
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.6



#68
m/p-Xylenes
Concen: 39.755 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion: 106 Resp: 511067
Ion Ratio Lower Upper
106 100
91 200.0 161.4 242.2

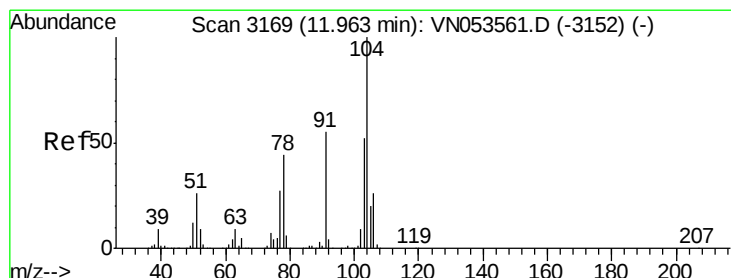
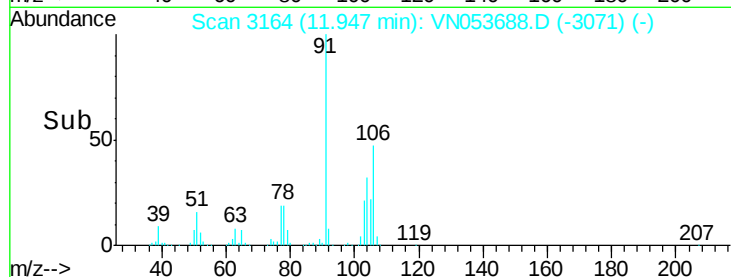
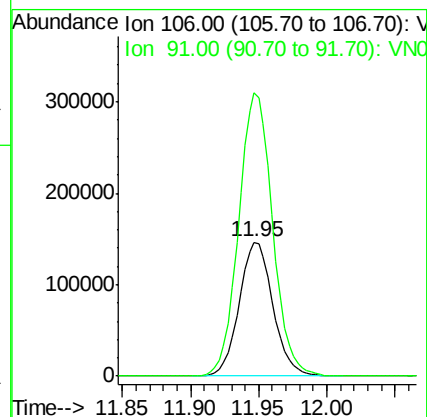
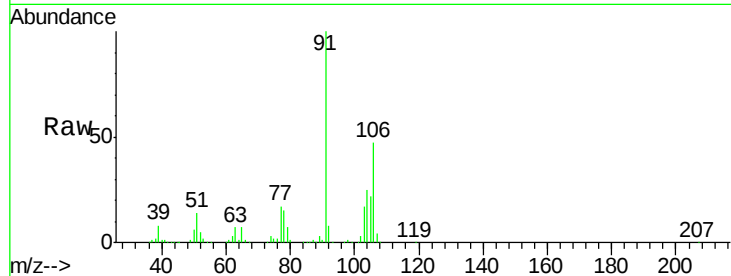




#69
o-Xylene
Concen: 20.197 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

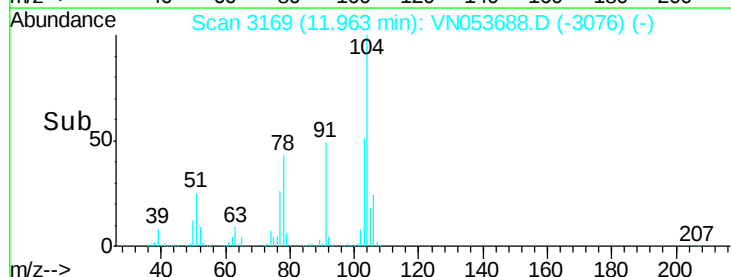
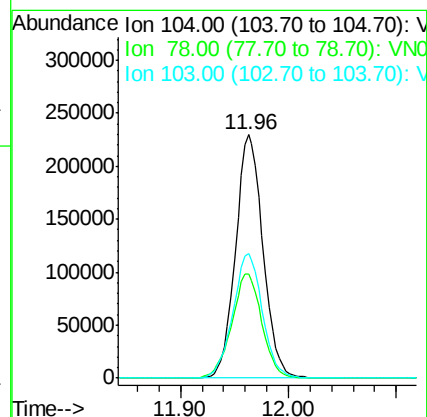
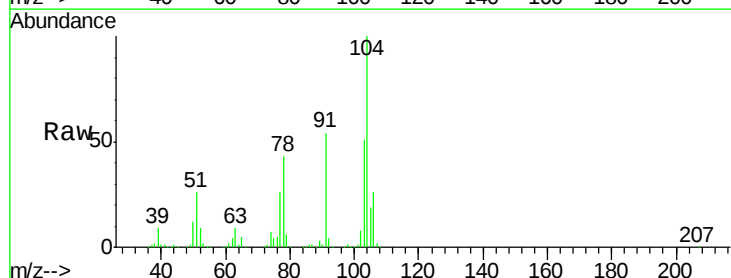
Instrument :
MSVOA_N
ClientSampleId :
VN0208WBSD01

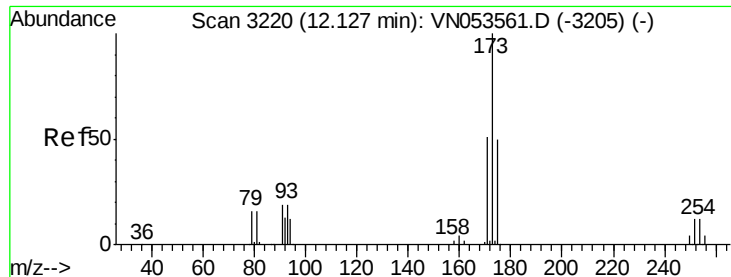
Tot Ion:106 Resp: 250833
Ion Ratio Lower Upper
106 100
91 212.4 106.9 320.8



#70
Styrene
Concen: 20.260 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion:104 Resp: 407823
Ion Ratio Lower Upper
104 100
78 46.8 38.2 57.2
103 54.8 44.4 66.6

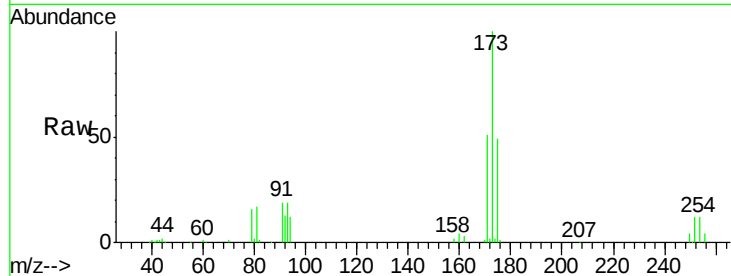




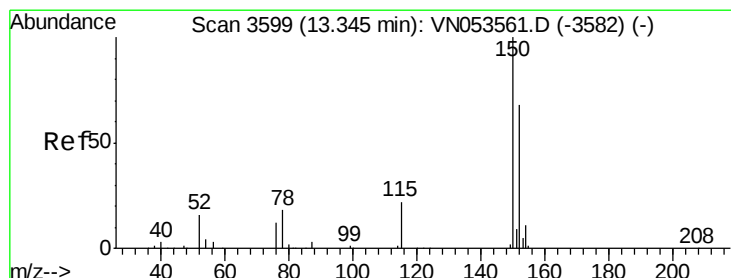
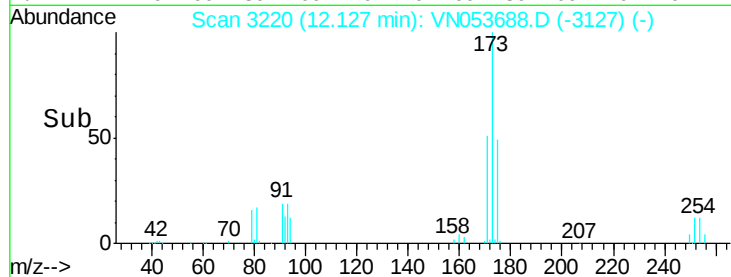
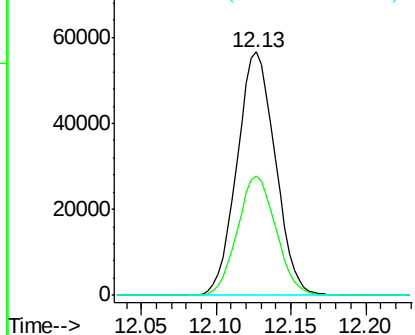
#71
Bromoform
Concen: 20.560 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Instrument :
MSVOA_N
ClientSampled :
VN0208WBSD01

Tot Ion:173 Resp: 100937
Ion Ratio Lower Upper
173 100
175 49.2 24.6 74.0
254 0.0 0.2 0.2#

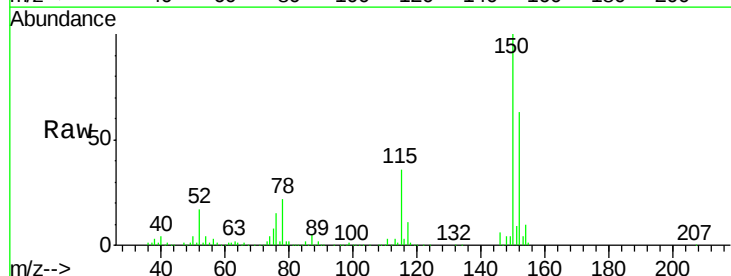


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

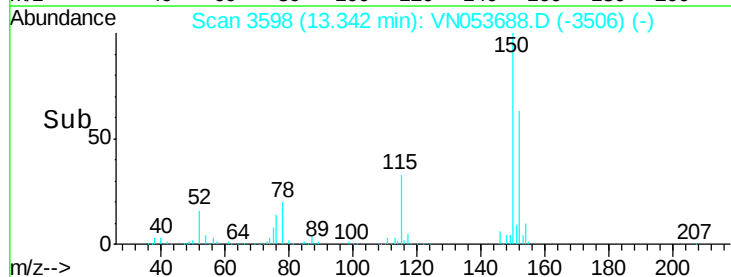
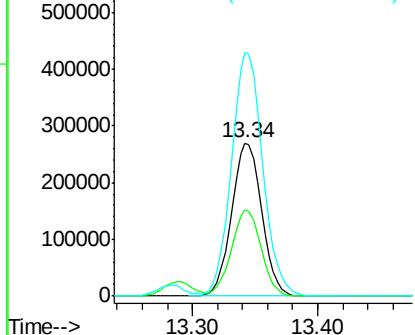


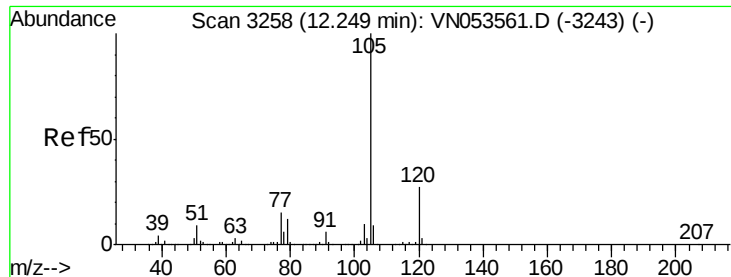
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion:152 Resp: 449590
Ion Ratio Lower Upper
152 100
115 55.8 27.8 83.4
150 165.3 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.729 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampled :

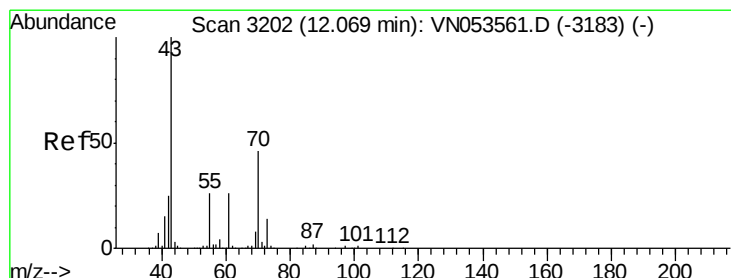
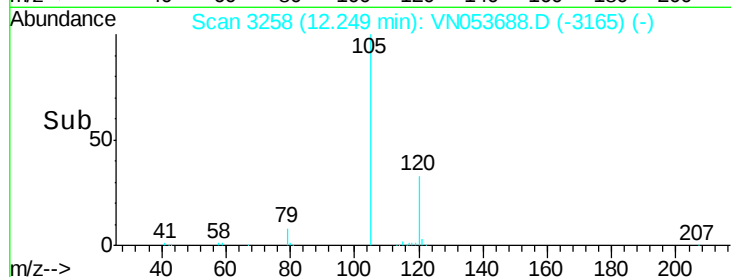
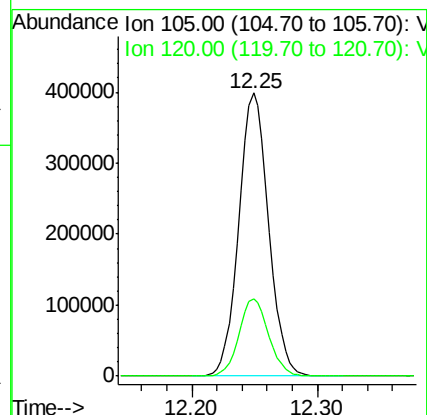
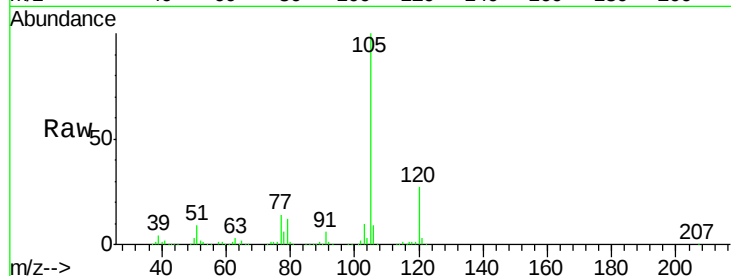
VN0208WBSD01

Tot Ion:105 Resp: 655150

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



#74

N-ethyl acetate

Concen: 21.718 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Tgt Ion: 43 Resp: 165062

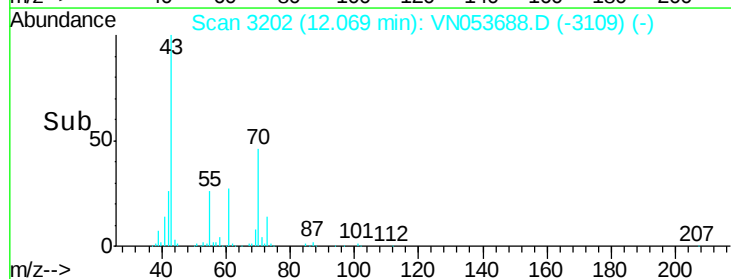
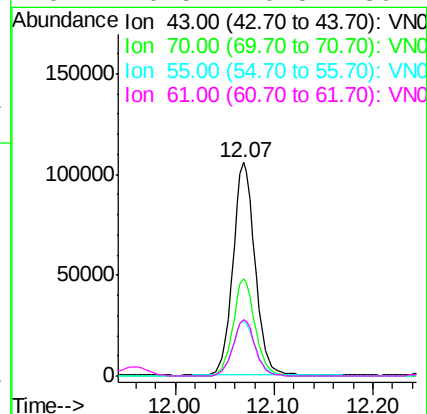
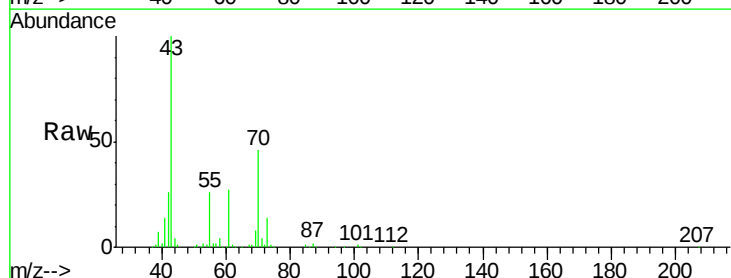
Ion Ratio Lower Upper

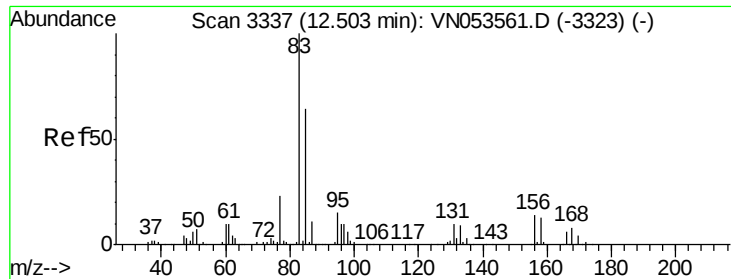
43 100

70 45.4 35.4 53.2

55 26.6 20.9 31.3

61 26.5 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.422 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBSD01

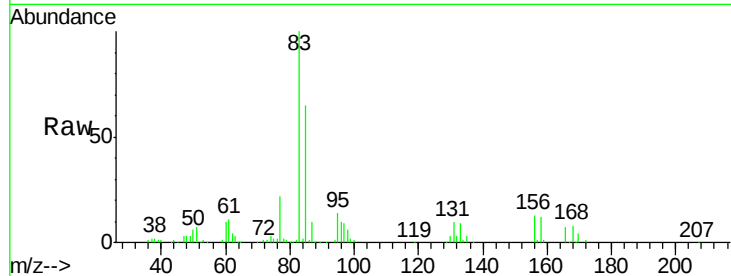
Tot Ion: 83 Resp: 162040

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

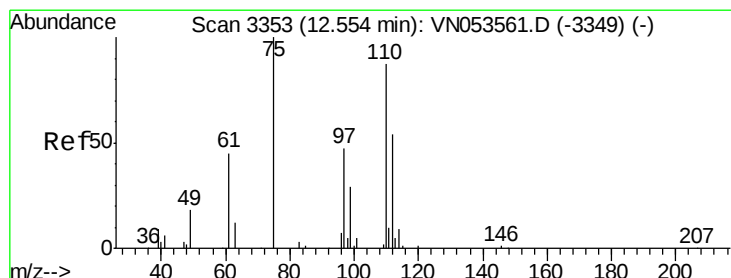
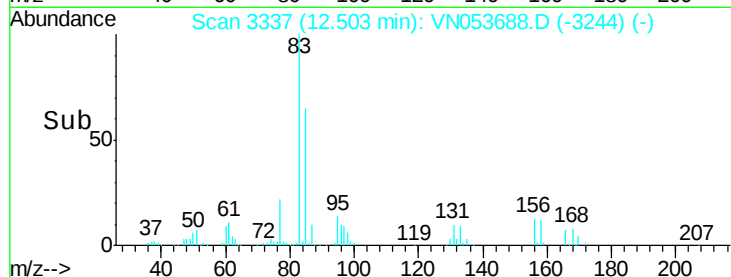
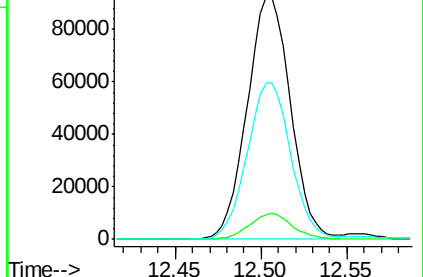
85 64.7 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 33.166 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053688.D

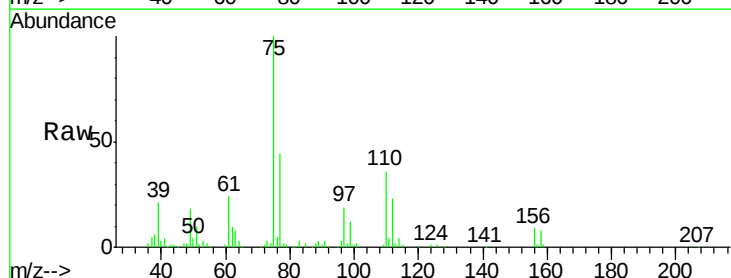
Acq: 8 Feb 2019 18:12

Tgt Ion: 75 Resp: 191526

Ion Ratio Lower Upper

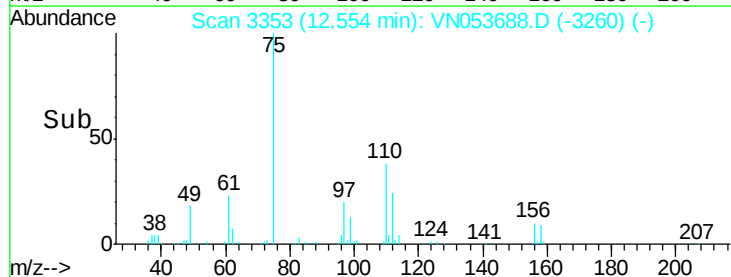
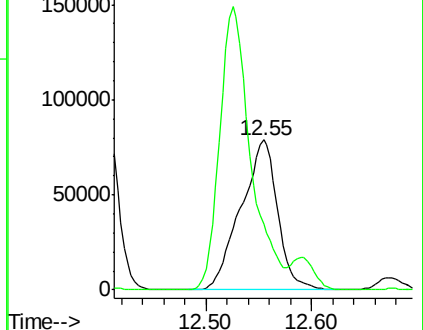
75 100

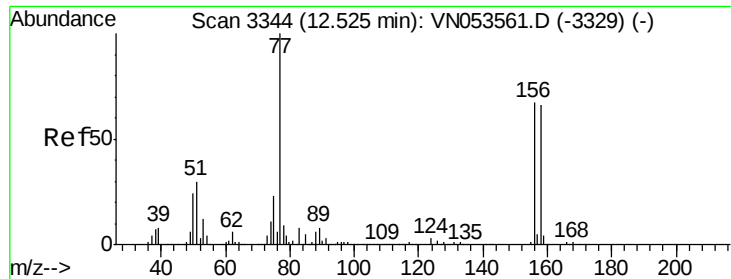
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.600 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBSD01

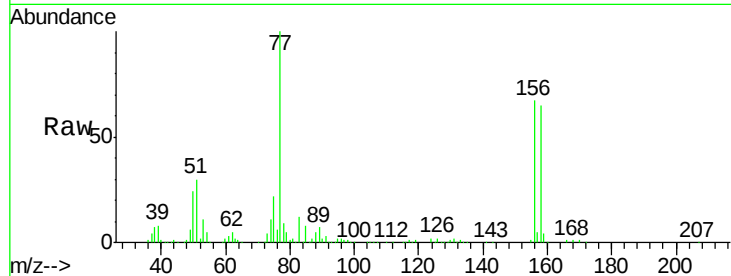
Tot Ion:156 Resp: 175469

Ion Ratio Lower Upper

156 100

77 174.0 87.9 263.8

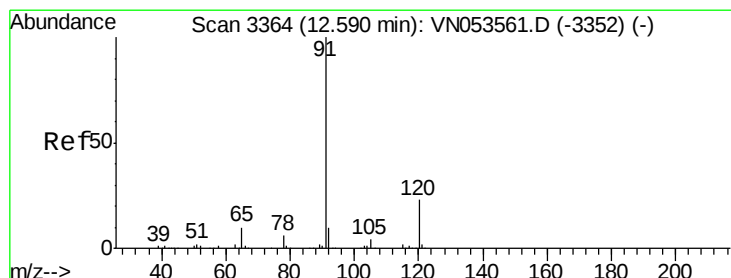
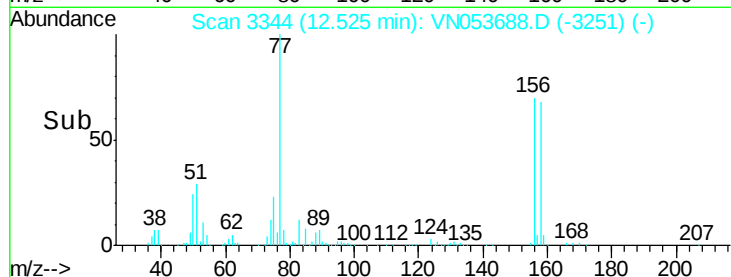
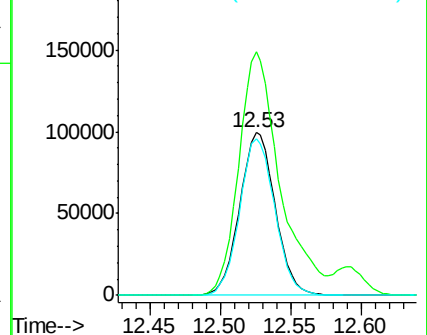
158 95.6 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.352 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053688.D

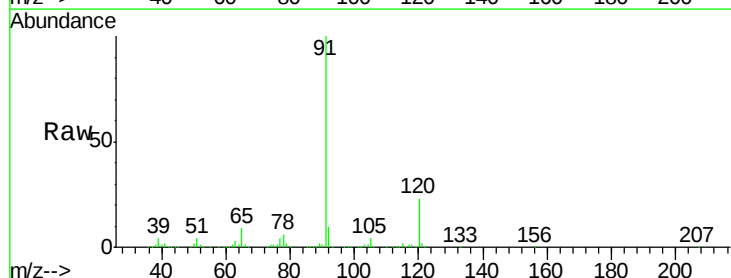
Acq: 8 Feb 2019 18:12

Tgt Ion: 91 Resp: 743584

Ion Ratio Lower Upper

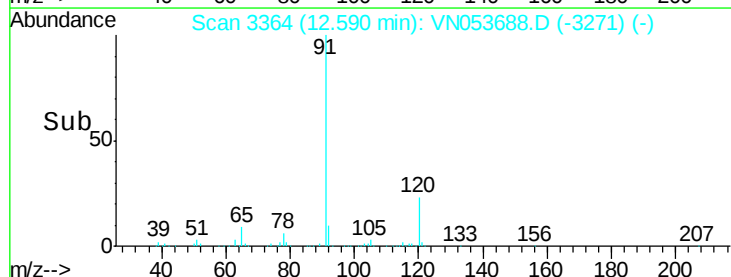
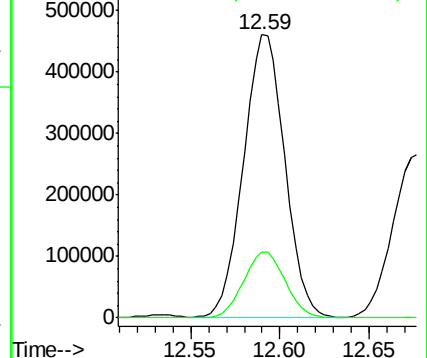
91 100

120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.536 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

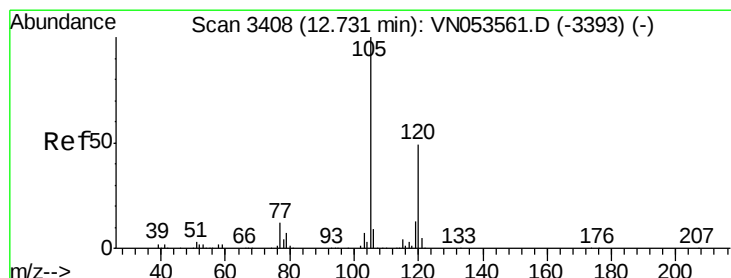
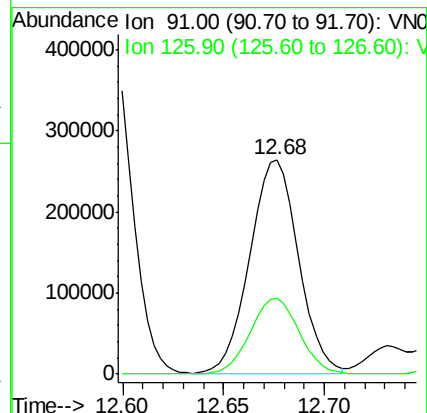
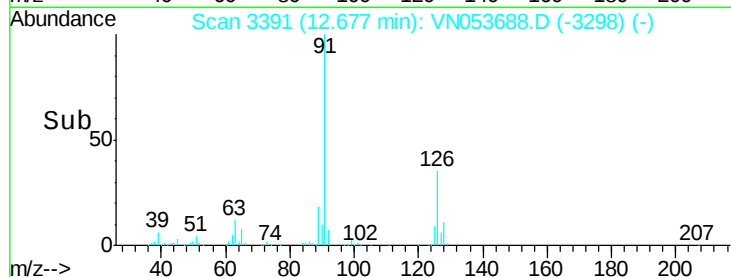
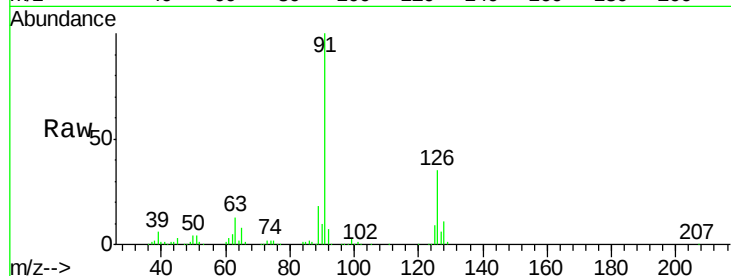
VN0208WBSD01

Tot Ion: 91 Resp: 445135

Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 21.141 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053688.D

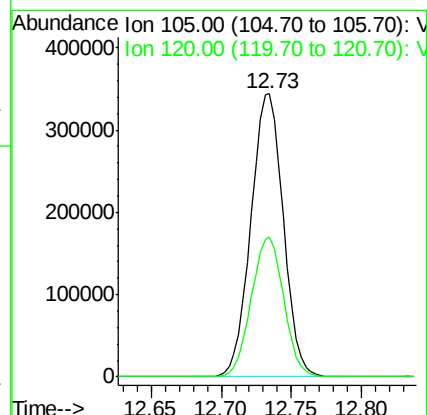
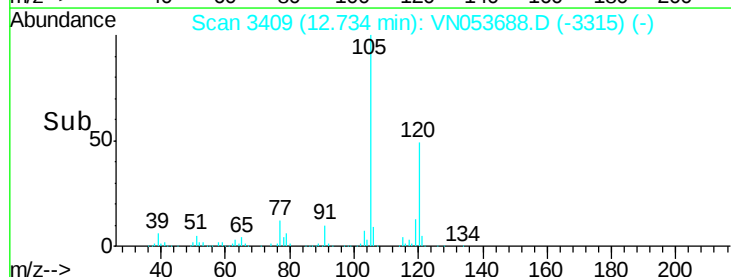
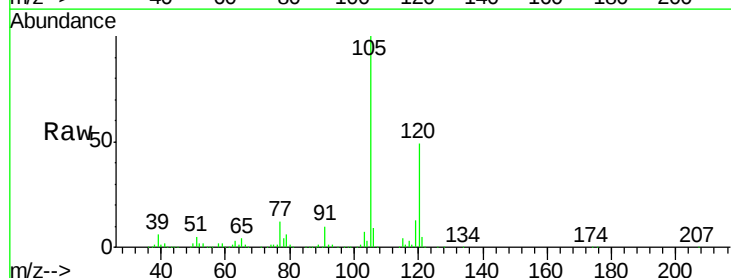
Acq: 8 Feb 2019 18:12

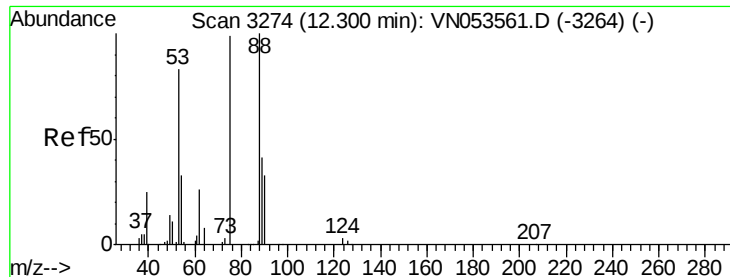
Tgt Ion: 105 Resp: 554080

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.147 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBSD01

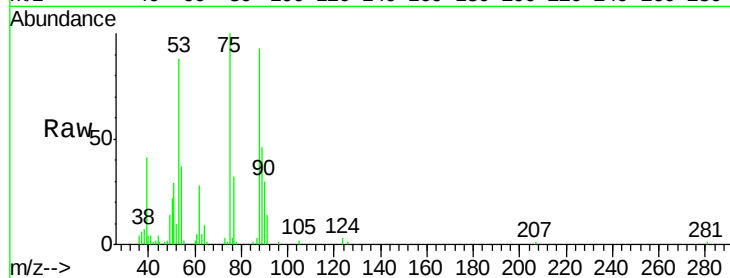
Tot Ion: 75 Resp: 41374

Ion Ratio Lower Upper

75 100

53 87.9 69.8 104.6

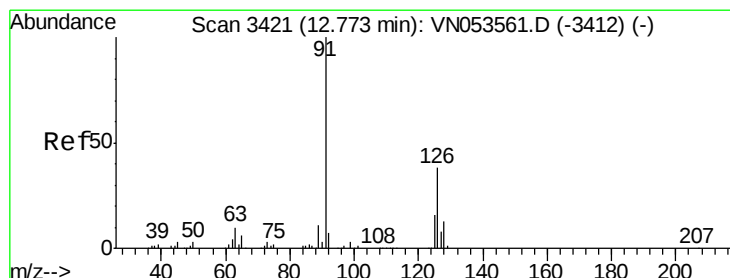
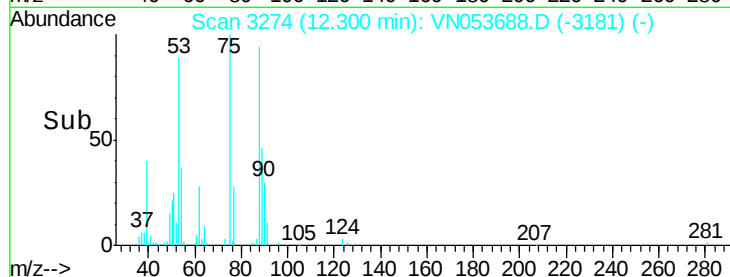
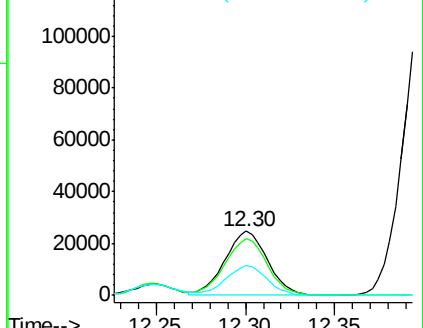
89 44.6 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.041 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053688.D

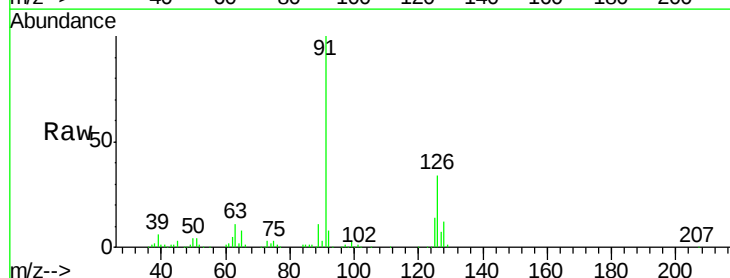
Acq: 8 Feb 2019 18:12

Tgt Ion: 91 Resp: 445774

Ion Ratio Lower Upper

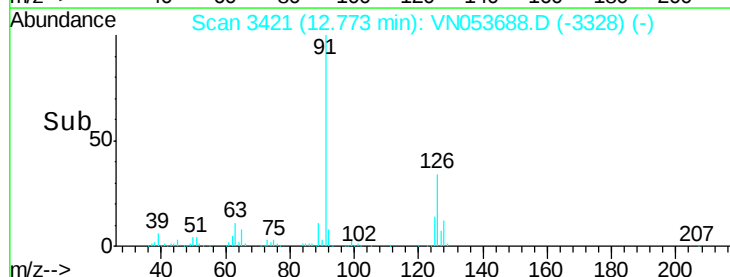
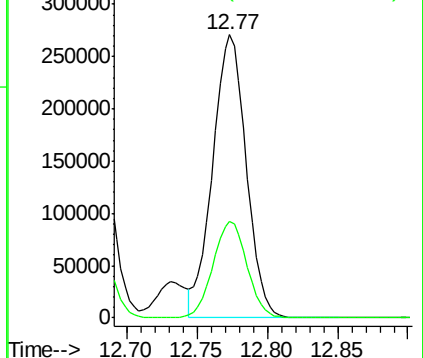
91 100

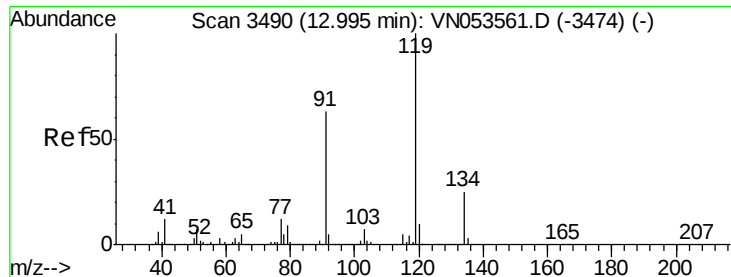
126 34.5 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

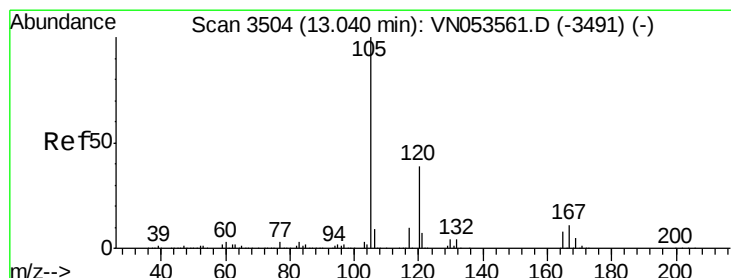
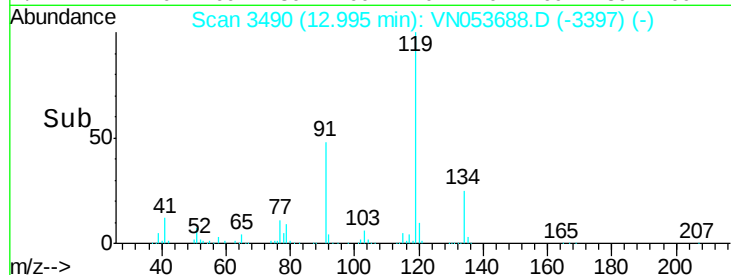
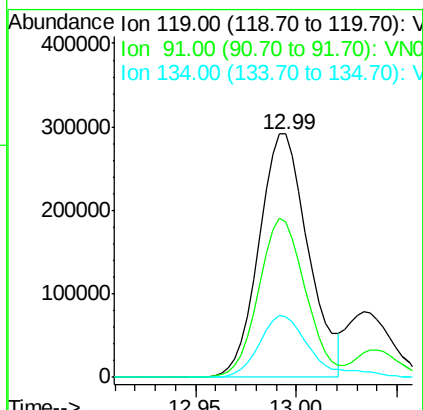
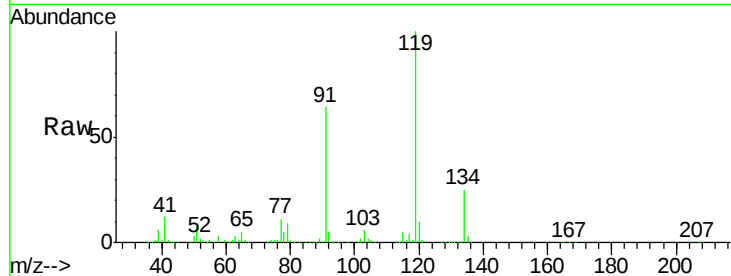




#83
tert-Butylbenzene
Concen: 21.391 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

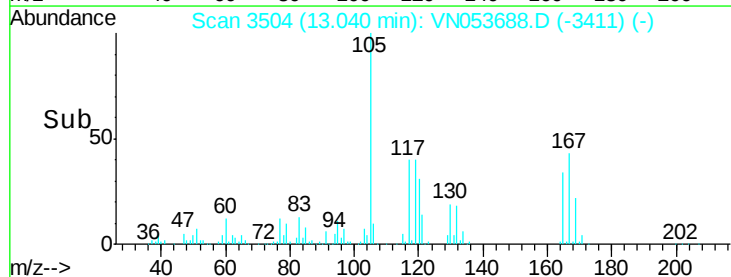
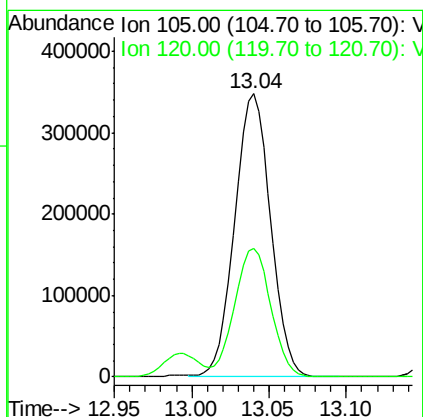
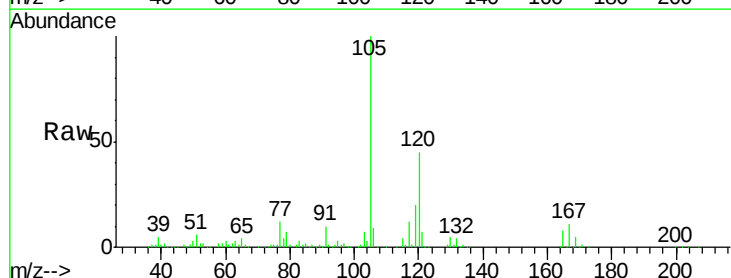
Instrument :
MSVOA_N
ClientSampleId :
VN0208WBSD01

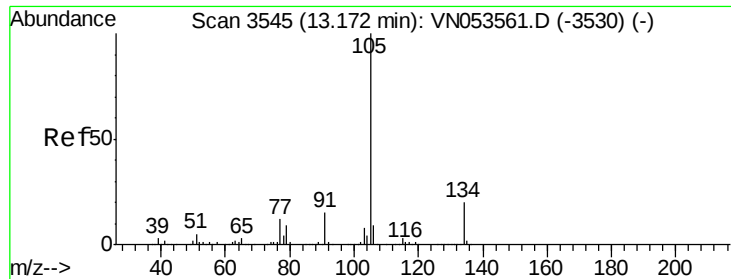
Tot Ion:119 Resp: 495509
Ion Ratio Lower Upper
119 100
91 62.6 31.3 93.8
134 26.5 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 20.971 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053688.D
Acq: 8 Feb 2019 18:12

Tgt Ion:105 Resp: 559955
Ion Ratio Lower Upper
105 100
120 45.9 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.130 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

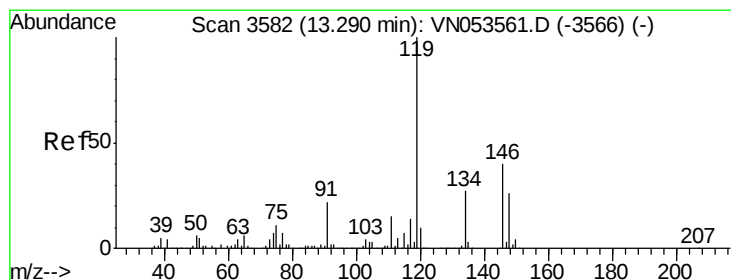
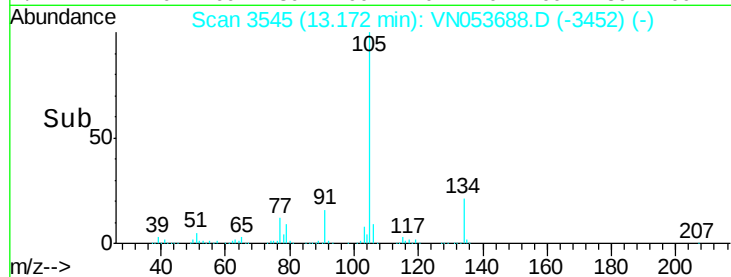
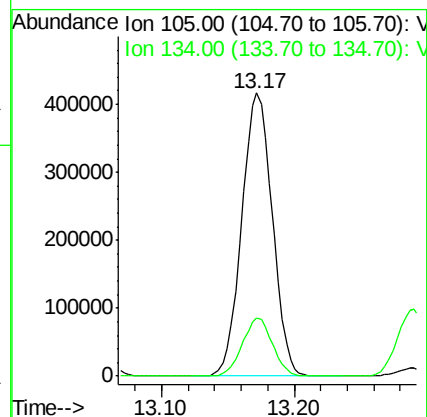
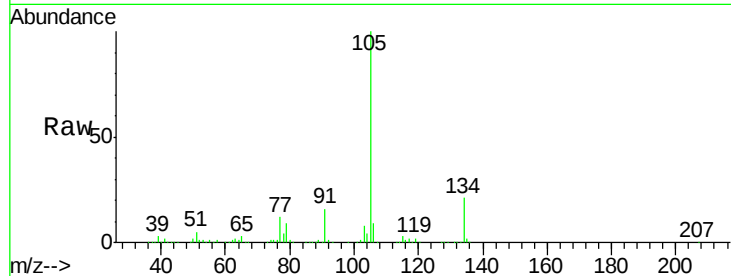
VN0208WBSD01

Tot Ion:105 Resp: 666041

Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.841 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

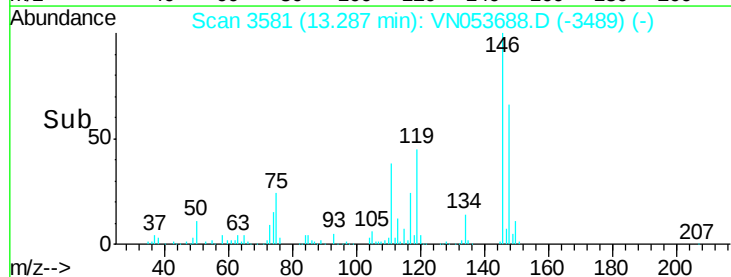
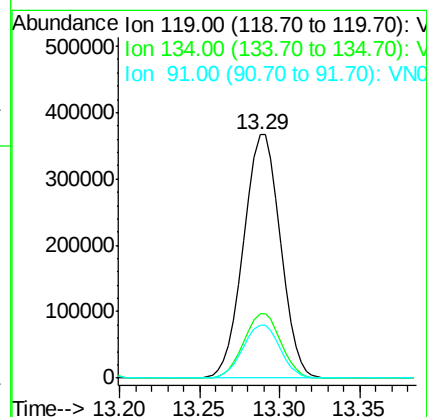
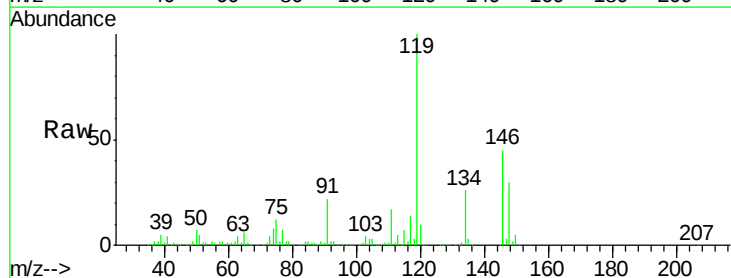
Tgt Ion:119 Resp: 574557

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 21.9 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 19.410 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBSD01

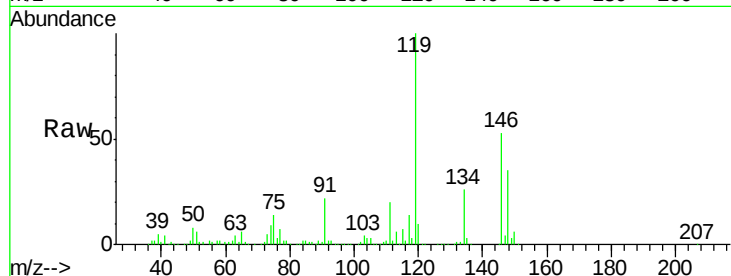
Tot Ion:146 Resp: 297216

Ion Ratio Lower Upper

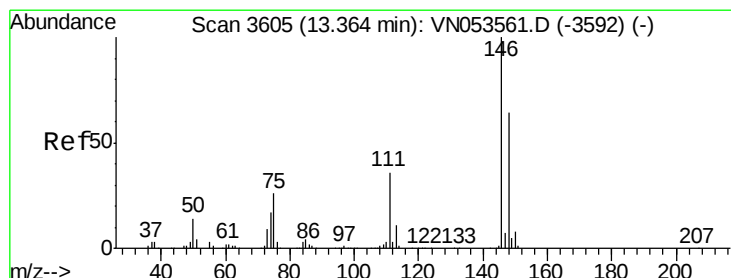
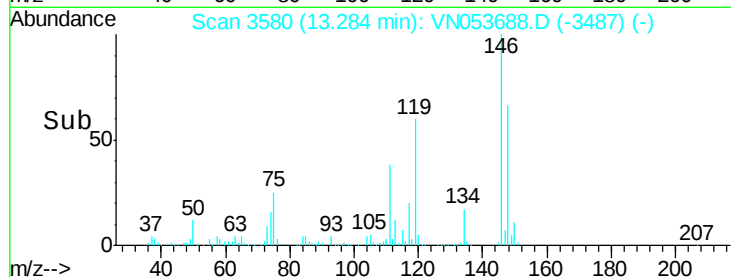
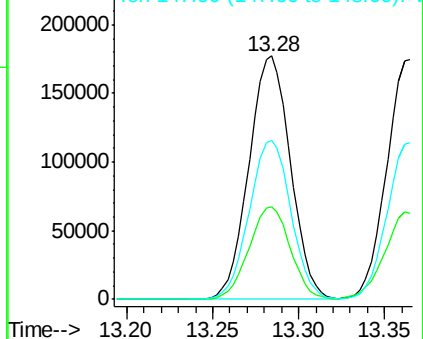
146 100

111 37.9 18.8 56.3

148 65.4 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 19.409 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

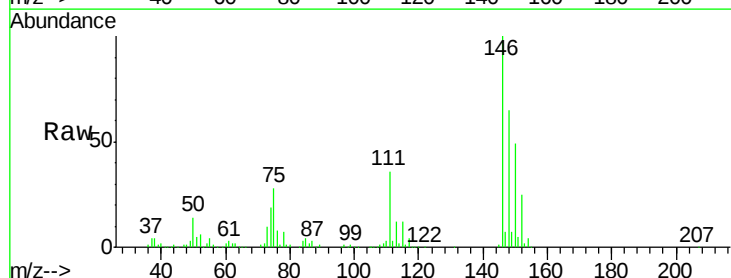
Tgt Ion:146 Resp: 293980

Ion Ratio Lower Upper

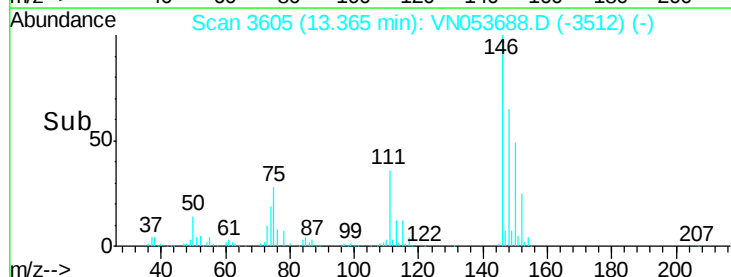
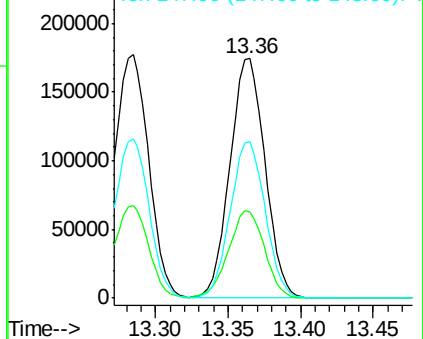
146 100

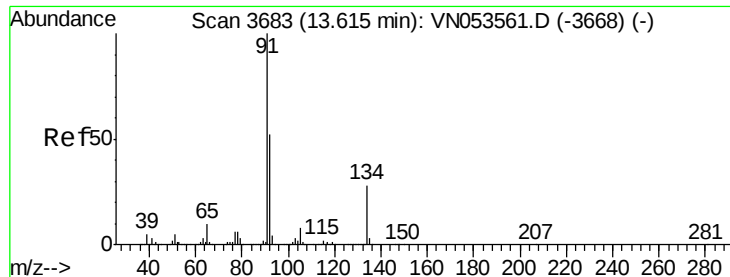
111 37.6 18.6 55.8

148 64.9 32.4 97.0



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





#89

n-Butylbenzene

Concen: 19.503 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBSD01

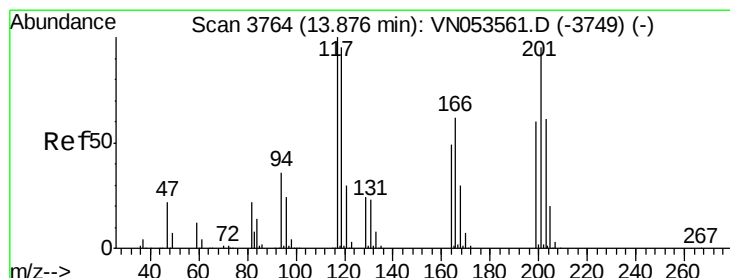
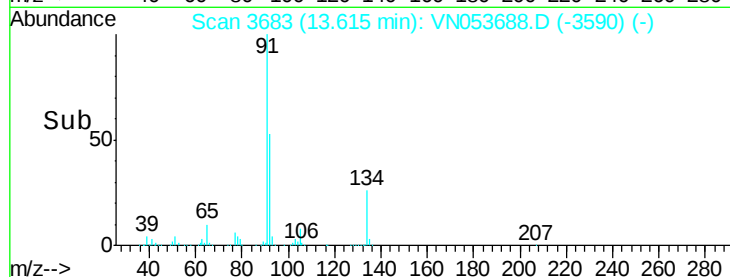
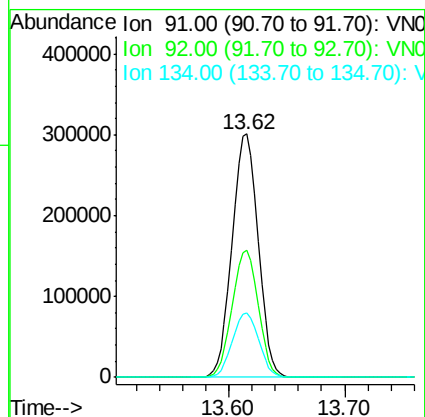
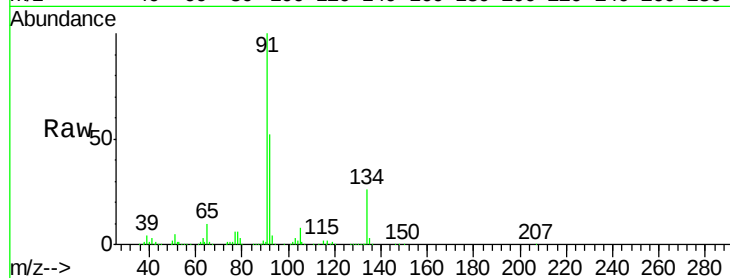
Tot Ion: 91 Resp: 465375

Ion Ratio Lower Upper

91 100

92 52.3 26.3 78.8

134 26.8 13.5 40.5



#90

Hexachloroethane

Concen: 20.747 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053688.D

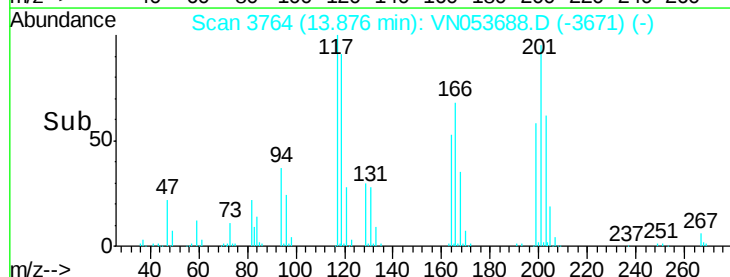
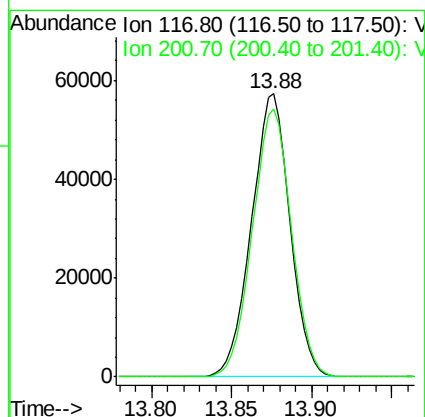
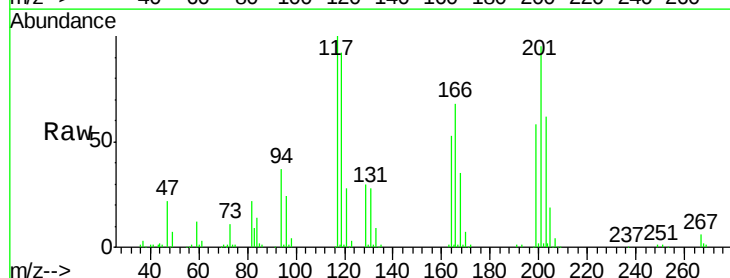
Acq: 8 Feb 2019 18:12

Tgt Ion: 117 Resp: 94341

Ion Ratio Lower Upper

117 100

201 96.0 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 20.354 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBSD01

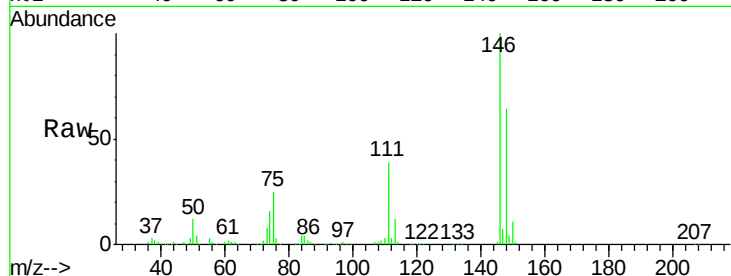
Tot Ion:146 Resp: 298377

Ion Ratio Lower Upper

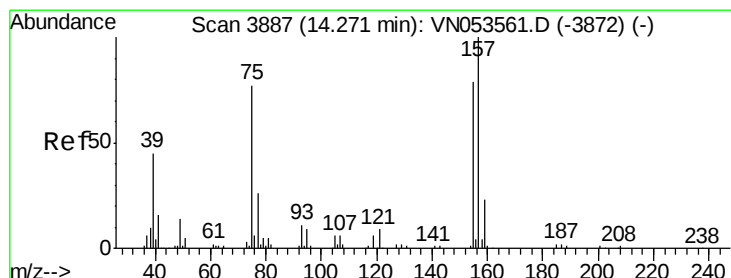
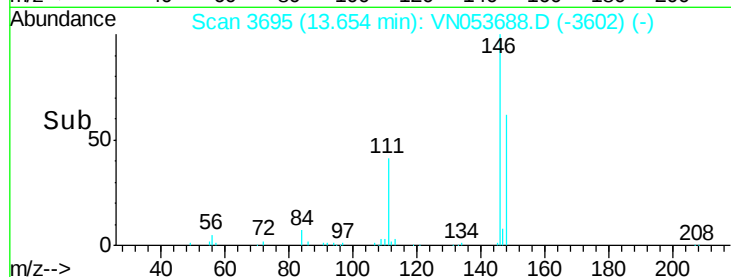
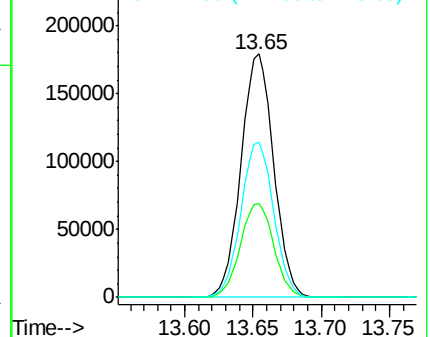
146 100

111 39.4 19.5 58.5

148 63.8 31.9 95.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.159 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

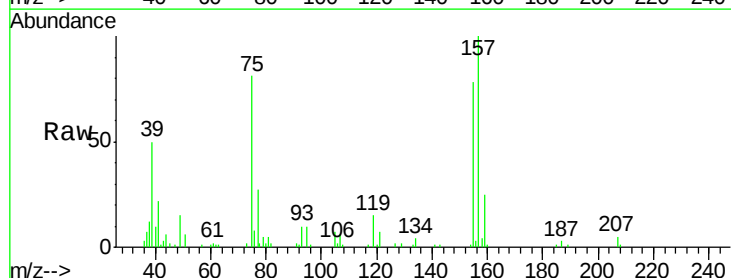
Tgt Ion: 75 Resp: 23887

Ion Ratio Lower Upper

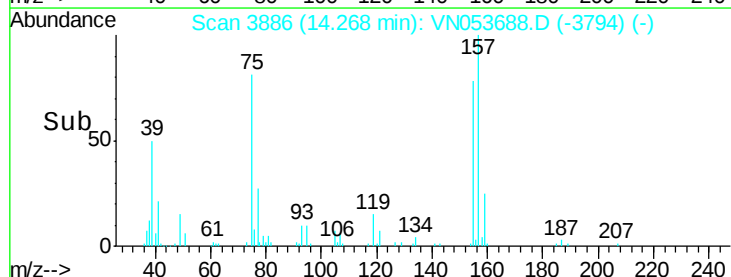
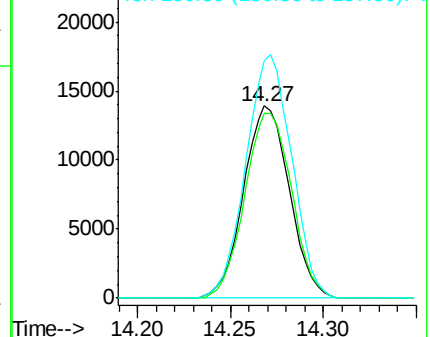
75 100

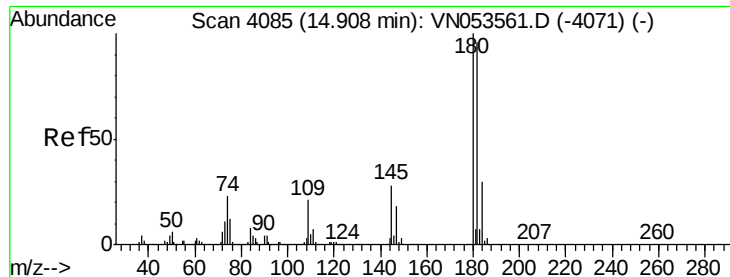
155 98.4 48.9 146.7

157 126.8 63.7 191.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.983 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBSD01

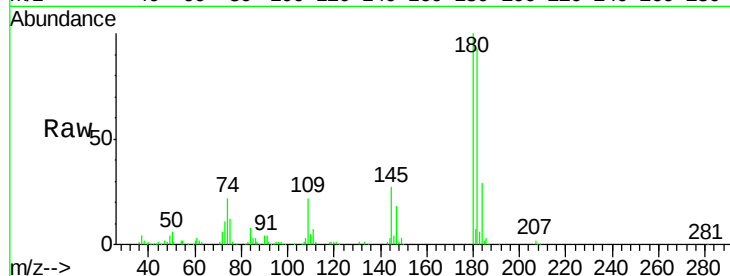
Tot Ion:180 Resp: 159603

Ion Ratio Lower Upper

180 100

182 94.4 48.1 144.3

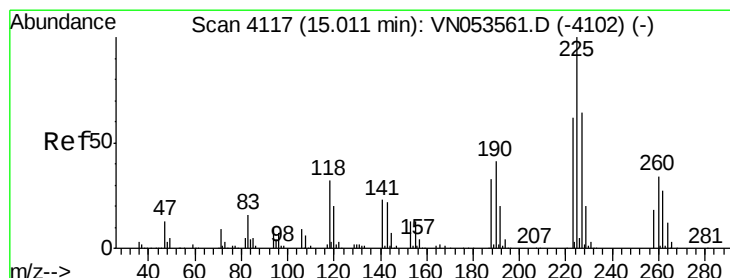
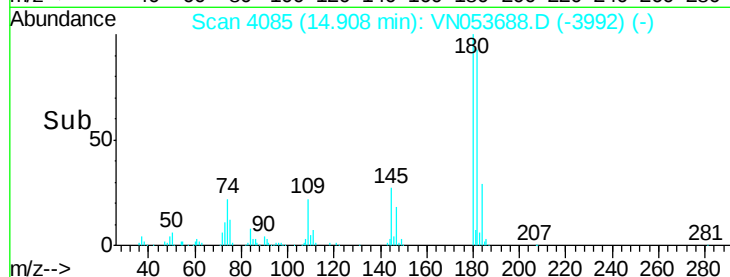
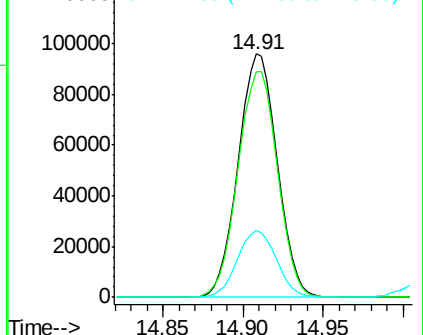
145 27.6 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.888 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

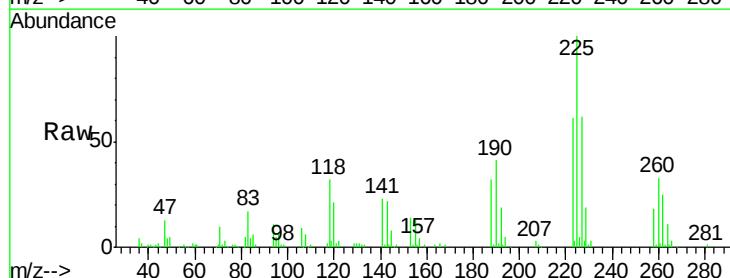
Tgt Ion:225 Resp: 104132

Ion Ratio Lower Upper

225 100

223 62.1 31.1 93.2

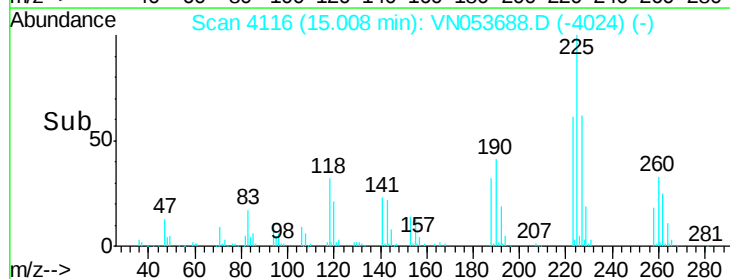
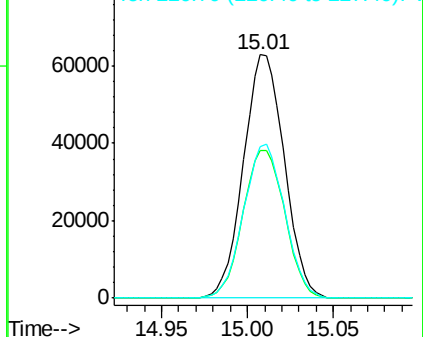
227 63.5 32.0 96.2

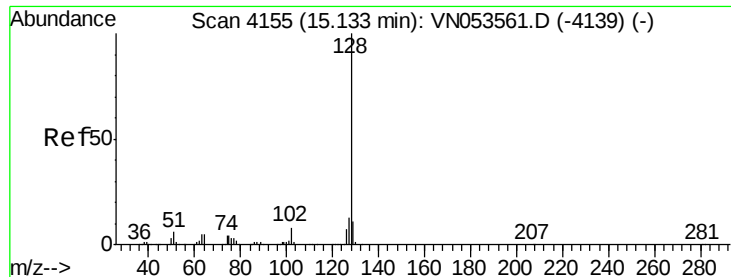


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.805 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN0208WBSD01

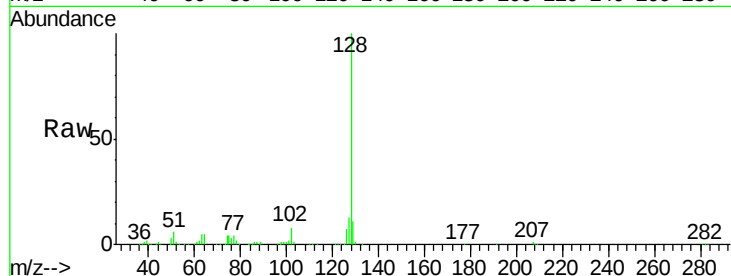
Tot Ion:128 Resp: 349225

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

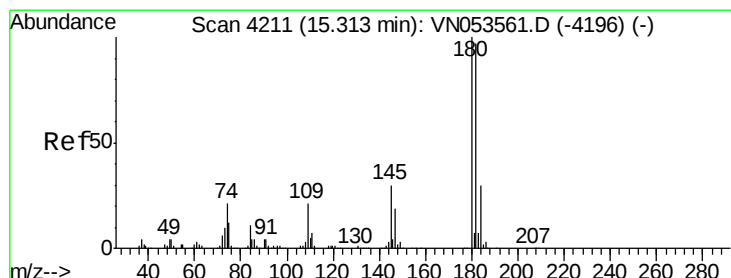
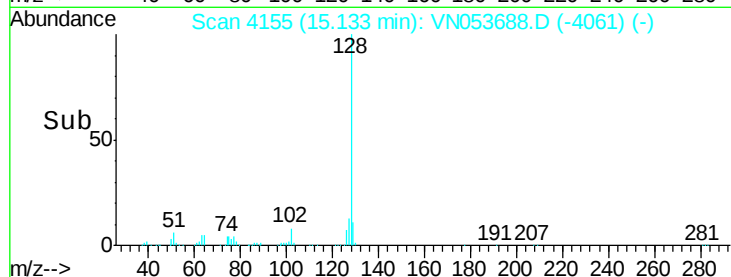
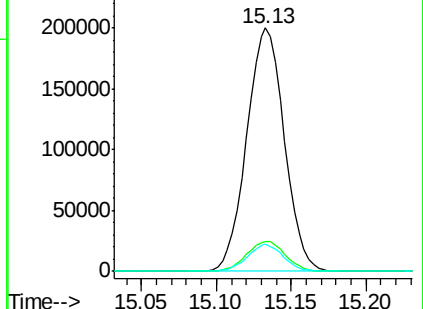
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.955 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053688.D

Acq: 8 Feb 2019 18:12

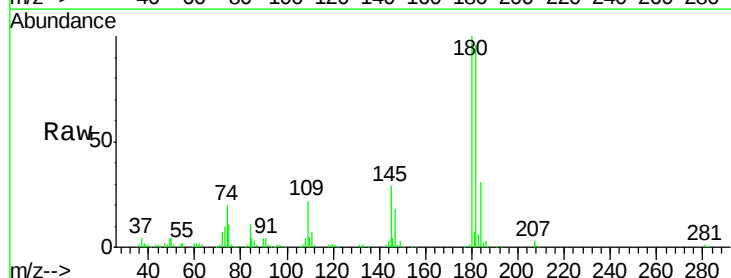
Tgt Ion:180 Resp: 155667

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.8

145 29.2 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

