

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021319\
 Data File : VN053767.D
 Acq On : 13 Feb 2019 20:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 14 00:17:01 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	634516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	986358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	864098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	439199	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	326165	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.59	113	312651	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.09	98	1133993	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.40	95	410501	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	314018	43.939	ug/l	100
3) Chloromethane	2.06	50	361620	48.005	ug/l	100
4) Vinyl Chloride	2.19	62	381373	52.153	ug/l	99
5) Bromomethane	2.57	94	251905	52.685	ug/l	100
6) Chloroethane	2.71	64	228477	54.675	ug/l	99
7) Trichlorofluoromethane	3.02	101	522765	52.717	ug/l	100
8) Diethyl Ether	3.41	74	185847	51.317	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	295215	48.137	ug/l	97
10) Methyl Iodide	3.96	142	453061	47.067	ug/l	99
11) Tert butyl alcohol	4.78	59	115379	306.272	ug/l	100
12) 1,1-Dichloroethene	3.74	96	286102	48.692	ug/l	99
13) Acrolein	3.61	56	45130	220.030	ug/l	97
14) Allyl chloride	4.33	41	461102	49.287	ug/l	99
15) Acrylonitrile	4.99	53	584519	287.412	ug/l	99
16) Acetone	3.82	43	398090	243.816	ug/l	98
17) Carbon Disulfide	4.06	76	779670	42.614	ug/l	98
18) Methyl Acetate	4.32	43	295337	61.078	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	829950	55.719	ug/l	99
20) Methylene Chloride	4.55	84	337995	49.342	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	305990	48.270	ug/l	98
22) Diisopropyl ether	5.95	45	940402	54.249	ug/l	100
23) Vinyl Acetate	5.90	43	3211317	267.787	ug/l	98
24) 1,1-Dichloroethane	5.85	63	585495	50.639	ug/l	99
25) 2-Butanone	6.83	43	632786	271.739	ug/l	99
26) 2,2-Dichloropropane	6.82	77	397527	45.039	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	360016	51.074	ug/l	98
28) Bromochloromethane	7.19	49	266775	53.168	ug/l	95
29) Tetrahydrofuran	7.21	42	429431	287.187	ug/l	98
30) Chloroform	7.37	83	586265	51.150	ug/l	99
31) Cyclohexane	7.65	56	495552	46.020	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	490452	51.418	ug/l	99
36) 1,1-Dichloropropene	7.79	75	426047	47.917	ug/l	99
37) Ethyl Acetate	6.93	43	274630	55.303	ug/l	98
38) Carbon Tetrachloride	7.77	117	437538	48.848	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	480690	45.569	ug/l	99
40) Benzene	8.04	78	1335495	48.707	ug/l	99
41) Methacrylonitrile	7.17	41	151861	54.716	ug/l	92
42) 1,2-Dichloroethane	8.12	62	400407	49.183	ug/l	99
43) Isopropyl Acetate	8.16	43	507108	52.878	ug/l	99
44) Trichloroethene	8.83	130	368847	47.252	ug/l	99
45) 1,2-Dichloropropane	9.12	63	359239	51.225	ug/l	98
46) Dibromomethane	9.21	93	212060	50.161	ug/l	98
47) Bromodichloromethane	9.40	83	448061	50.975	ug/l	100
48) Methyl methacrylate	9.20	41	232796	50.853	ug/l	91
49) 1,4-Dioxane	9.20	88	75169	1128.010	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	1342417	284.855	ug/l	100
52) Toluene	10.16	92	808685	49.695	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	451561	51.303	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	521565	50.006	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	306217	52.222	ug/l	99
56) Ethyl methacrylate	10.43	69	381459	54.990	ug/l	98
57) 1,3-Dichloropropane	10.71	76	511141	51.004	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	901758	210.904	ug/l	98
59) 2-Hexanone	10.75	43	861362	269.237	ug/l	100
60) Dibromochloromethane	10.90	129	351591	53.171	ug/l	100
61) 1,2-Dibromoethane	11.00	107	299279	51.566	ug/l	99
64) Tetrachloroethene	10.63	164	358045	48.337	ug/l	99
65) Chlorobenzene	11.43	112	898334	48.944	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	335757	52.380	ug/l	99
67) Ethyl Benzene	11.51	91	1488611	49.373	ug/l	100
68) m/p-Xylenes	11.62	106	1163224	101.085	ug/l	99
69) o-Xylene	11.95	106	568403	51.128	ug/l	98
70) Styrene	11.96	104	930073	51.616	ug/l	100
71) Bromoform	12.13	173	247488	56.317	ug/l #	99
73) Isopropylbenzene	12.25	105	1529652	49.543	ug/l	100
74) N-amyl acetate	12.07	43	392379	52.850	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	398383	53.914	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	484576	85.899	ug/l #	100
77) Bromobenzene	12.53	156	429561	51.623	ug/l	98
78) n-propylbenzene	12.59	91	1827377	51.199	ug/l	100
79) 2-Chlorotoluene	12.67	91	1085266	51.251	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1367058	53.394	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	105964	52.819	ug/l	99
82) 4-Chlorotoluene	12.77	91	1094546	50.373	ug/l	99
83) tert-Butylbenzene	12.99	119	1204237	53.218	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1385191	53.104	ug/l	100
85) sec-Butylbenzene	13.17	105	1608326	52.230	ug/l	100
86) p-Isopropyltoluene	13.29	119	1397840	51.904	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	732886	48.995	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	724087	48.936	ug/l	99
89) n-Butylbenzene	13.62	91	1144677	49.105	ug/l	100
90) Hexachloroethane	13.87	117	236715	53.288	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	719333	50.232	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58660	55.703	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

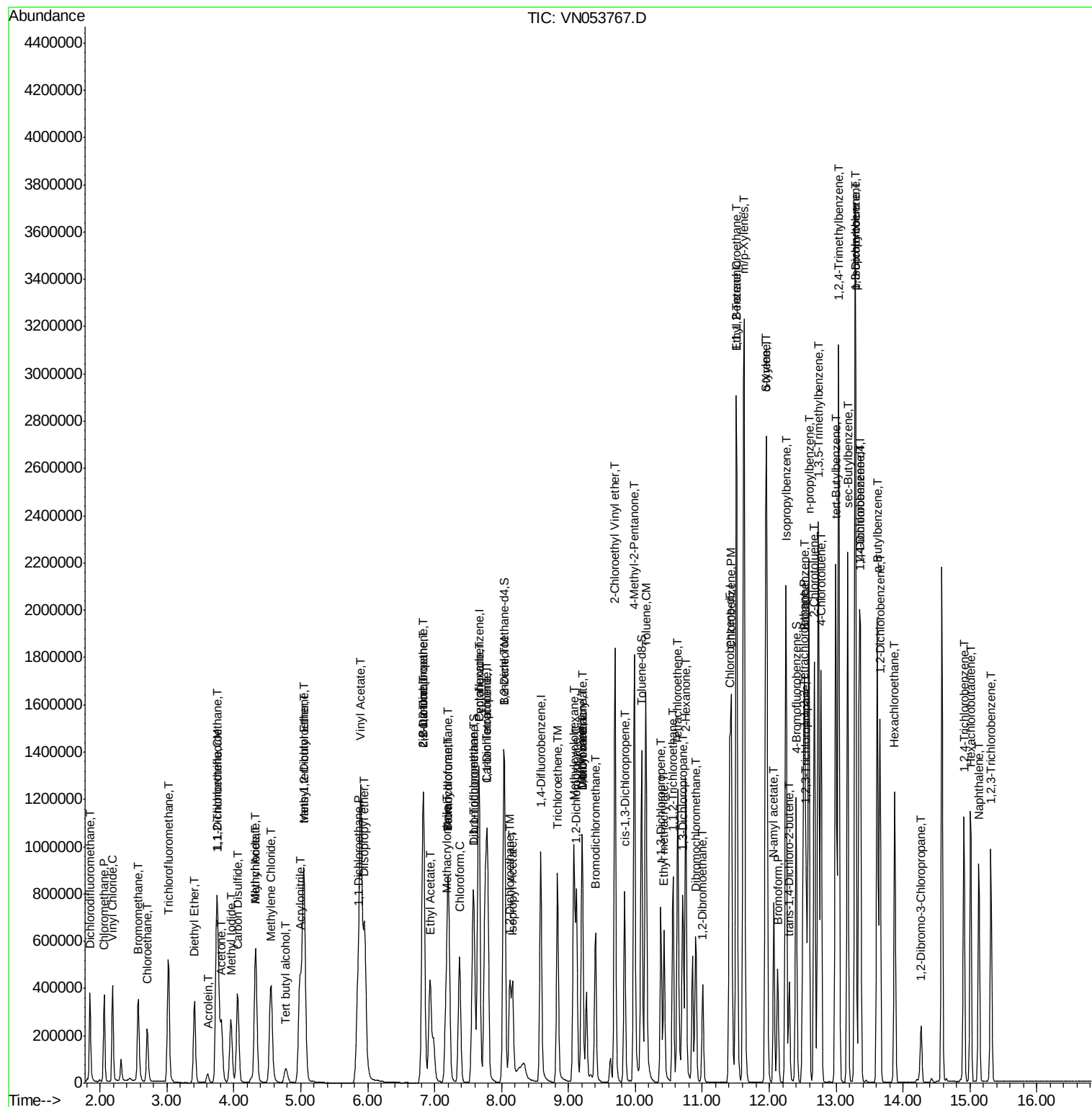
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	399145	48.598	ug/l	99
94) Hexachlorobutadiene	15.01	225	251689	49.208	ug/l	98
95) Naphthalene	15.13	128	834760	43.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	375196	49.233	ug/l	100

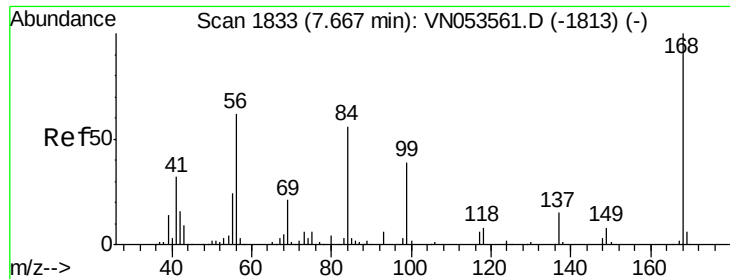
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

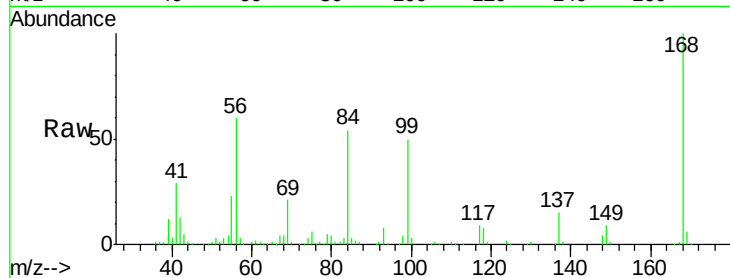
VSTDCCC050EC

Tot Ion:168 Resp: 634516

Ion Ratio Lower Upper

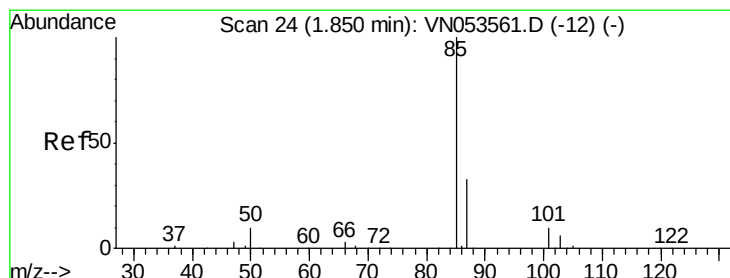
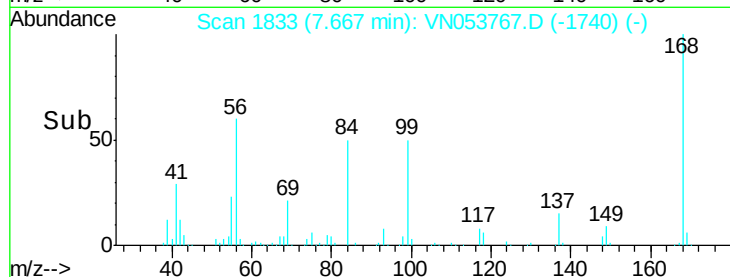
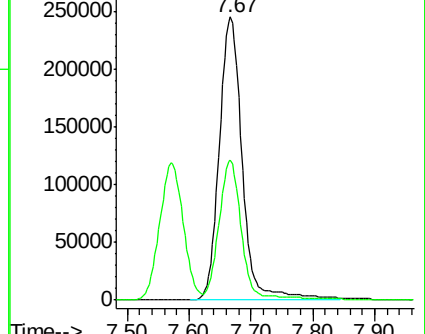
168 100

99 49.2 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: 43.939 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053767.D

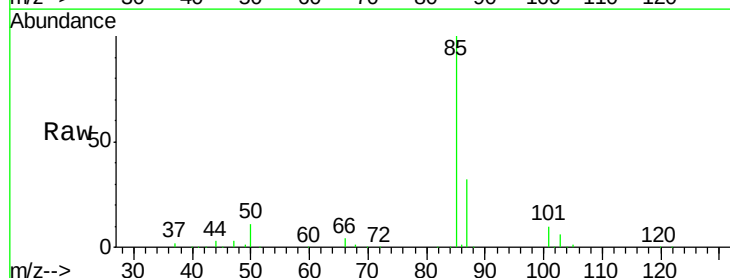
Acq: 13 Feb 2019 20:37

Tgt Ion: 85 Resp: 314018

Ion Ratio Lower Upper

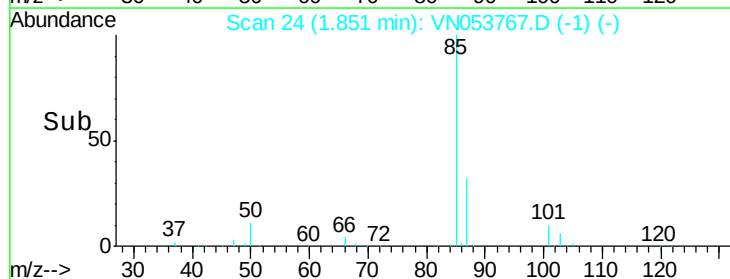
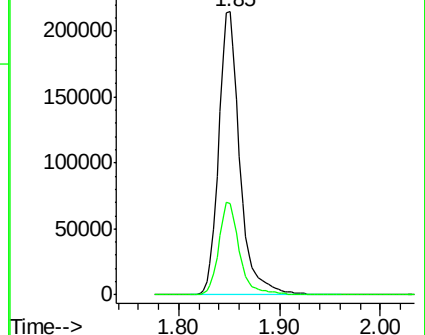
85 100

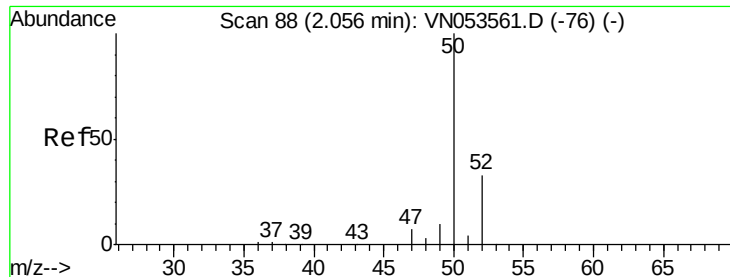
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.005 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

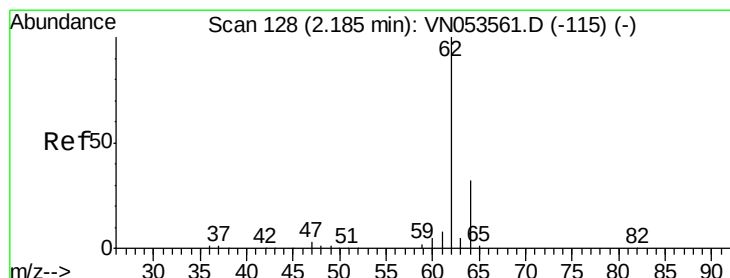
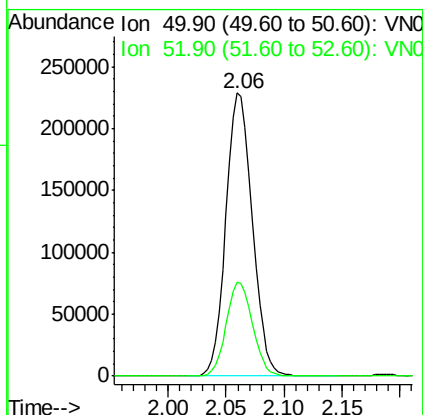
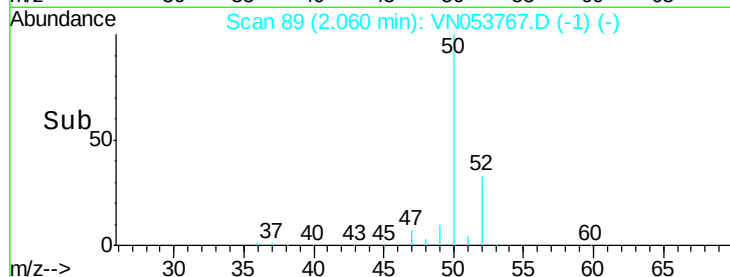
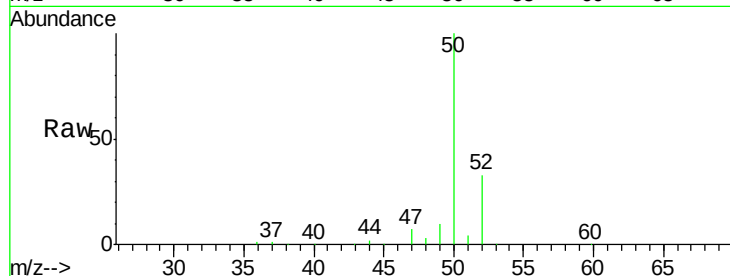
VSTDCCC050EC

Tot Ion: 50 Resp: 361620

Ion Ratio Lower Upper

50 100

52 33.1 26.6 40.0



#4

Vinyl Chloride

Concen: 52.153 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053767.D

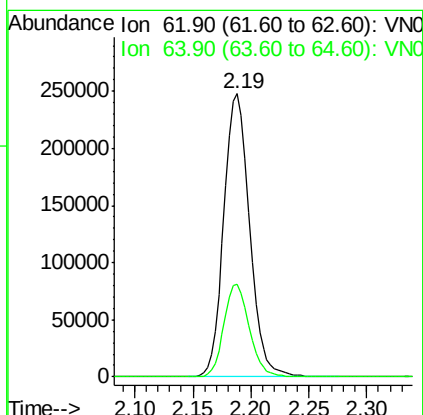
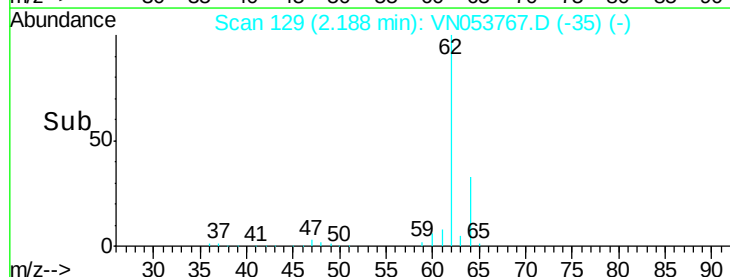
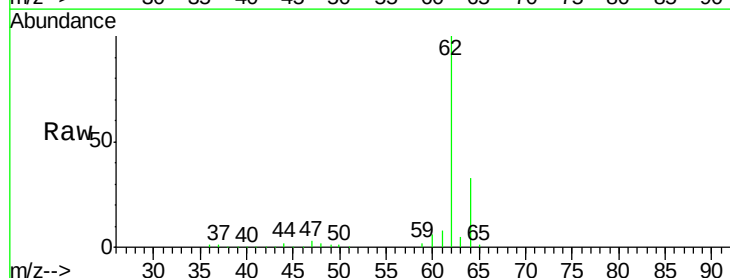
Acq: 13 Feb 2019 20:37

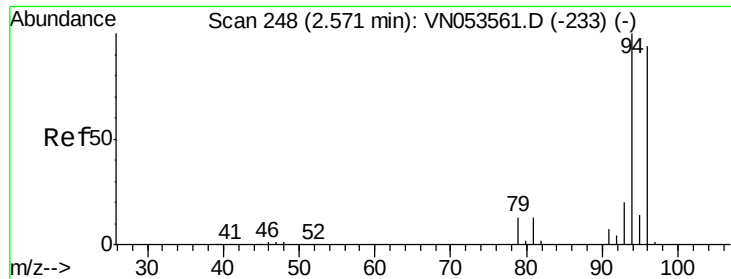
Tgt Ion: 62 Resp: 381373

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 52.685 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

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ClientSampleId :

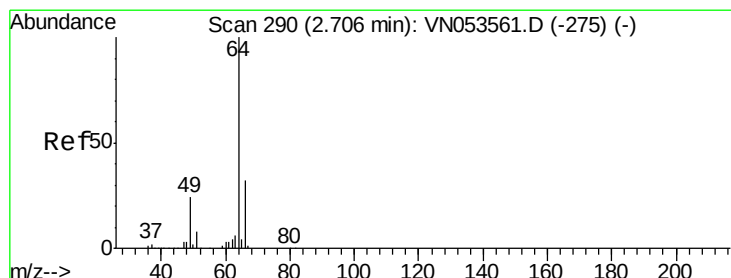
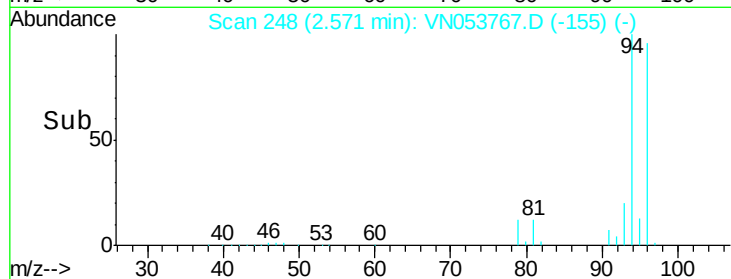
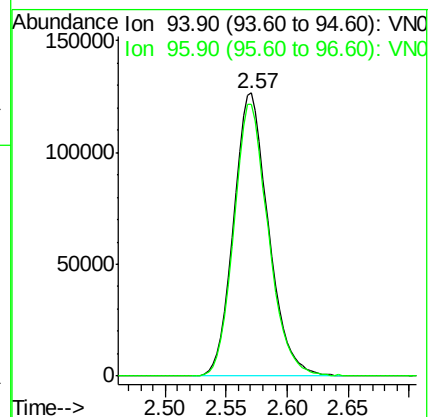
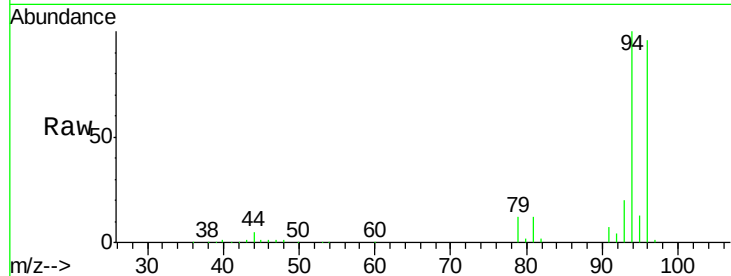
VSTDCCC050EC

Tot Ion: 94 Resp: 251905

Ion Ratio Lower Upper

94 100

96 96.2 76.8 115.2



#6

Chloroethane

Concen: 54.675 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053767.D

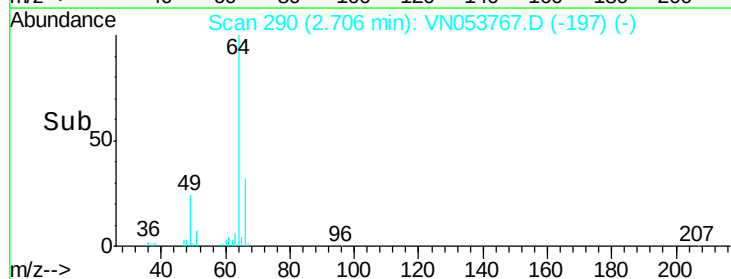
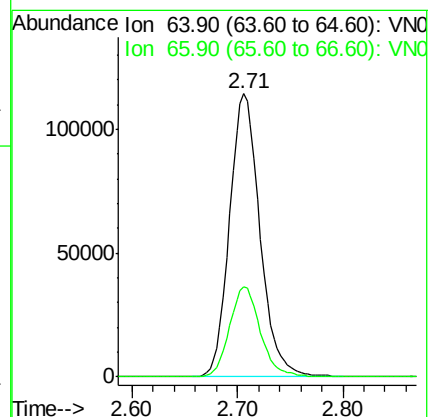
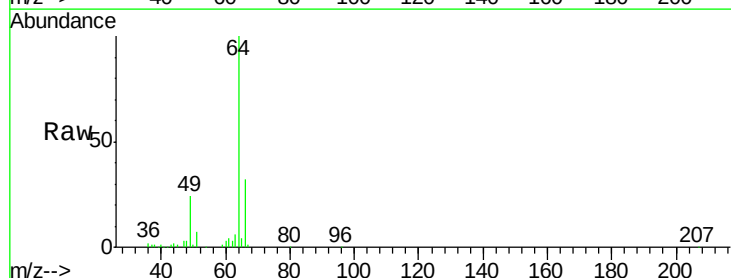
Acq: 13 Feb 2019 20:37

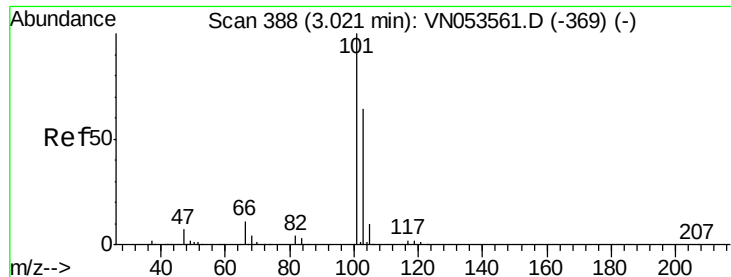
Tgt Ion: 64 Resp: 228477

Ion Ratio Lower Upper

64 100

66 31.9 25.1 37.7



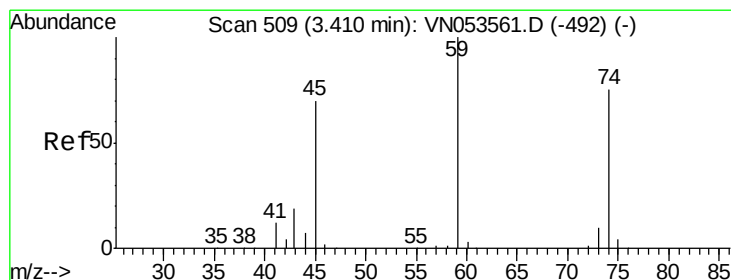
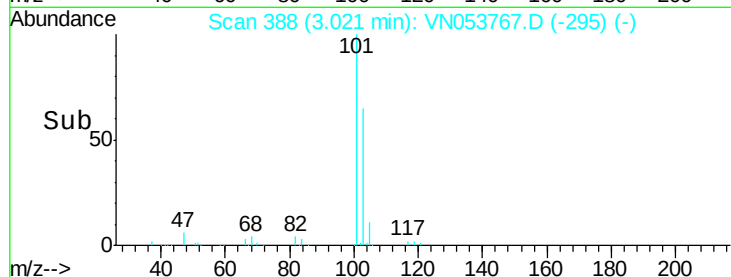
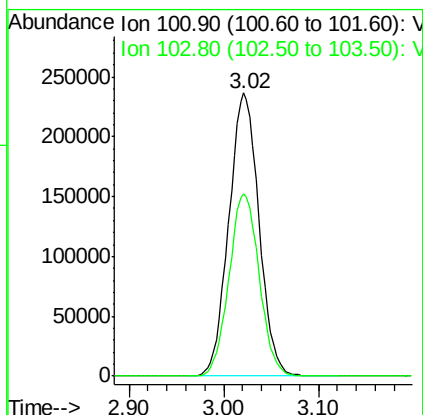
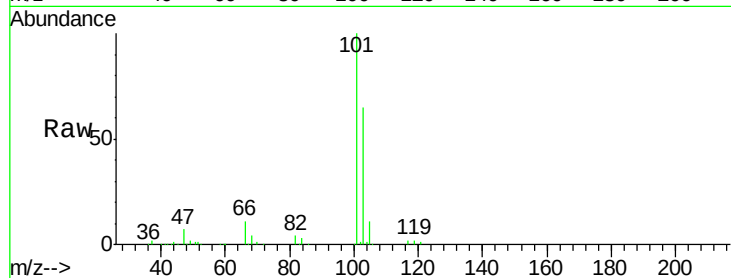


#7

Trichlorofluoromethane
 Concen: 52.717 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Instrument :
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 VSTDCCC050EC

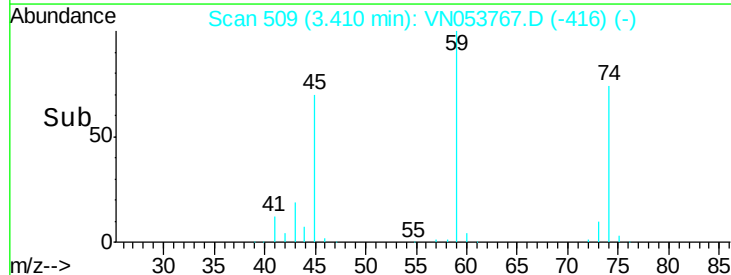
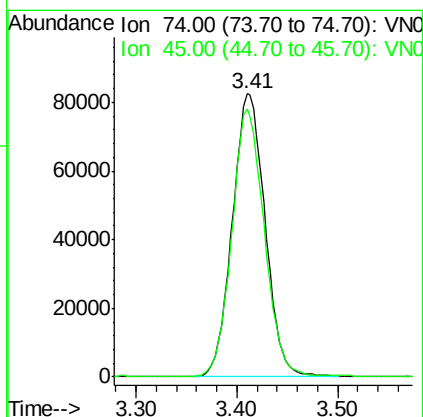
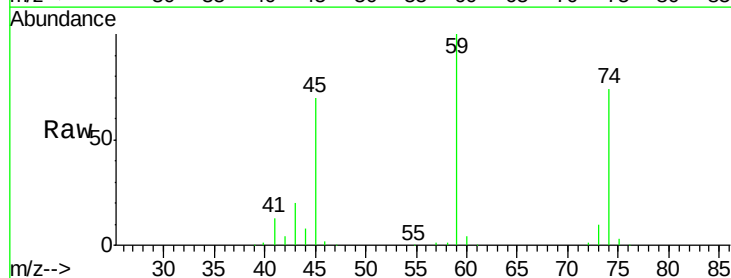
Tot Ion:101 Resp: 522765
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.6 77.4

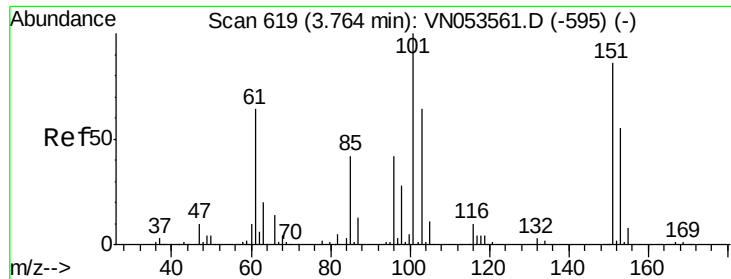


#8

Diethyl Ether
 Concen: 51.317 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion: 74 Resp: 185847
 Ion Ratio Lower Upper
 74 100
 45 94.0 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.137 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

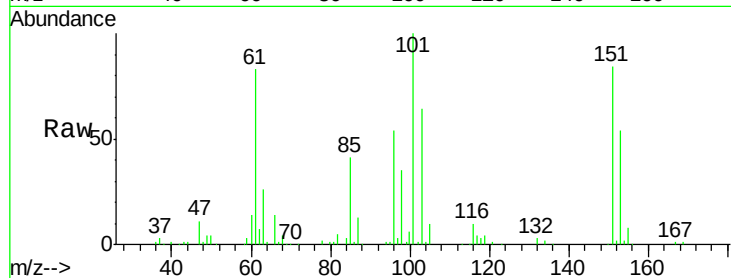
Tot Ion:101 Resp: 295215

Ion Ratio Lower Upper

101 100

85 40.5 32.8 49.2

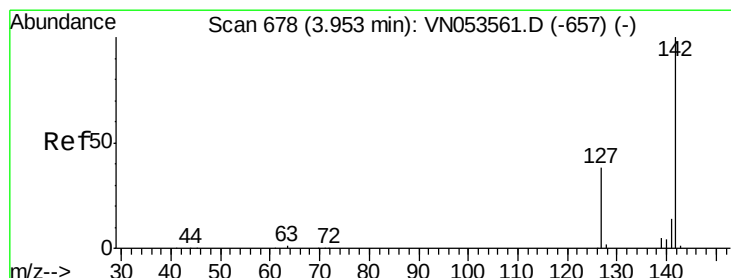
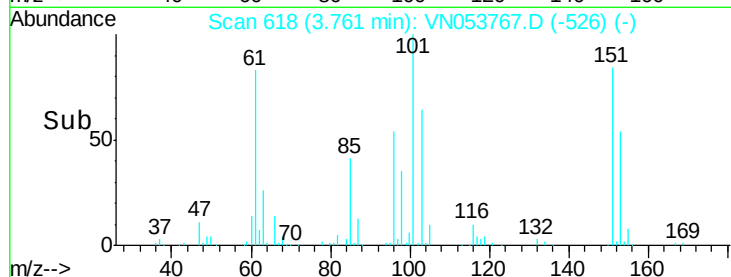
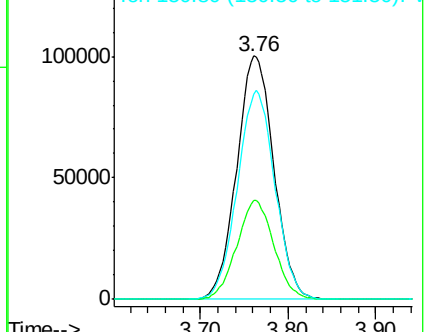
151 86.8 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN053767.D (-526) (-)

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.067 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

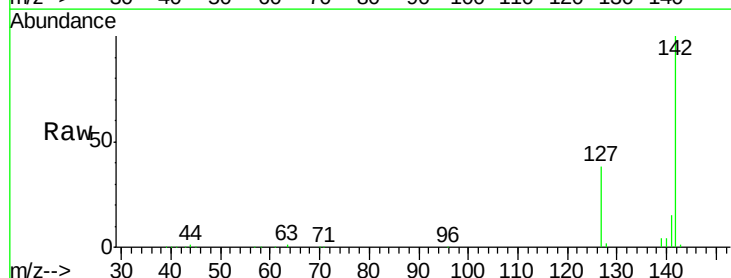
Tgt Ion:142 Resp: 453061

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.4

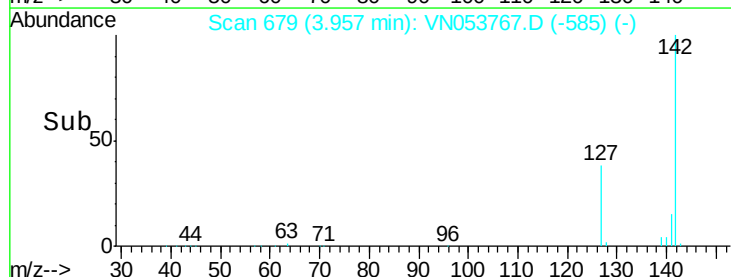
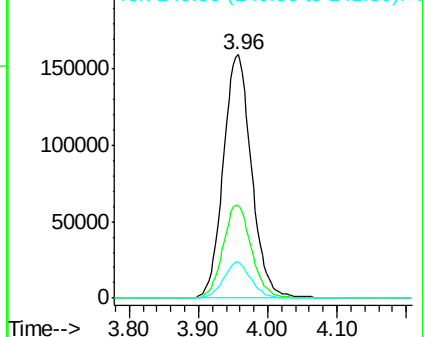
141 14.3 11.1 16.7

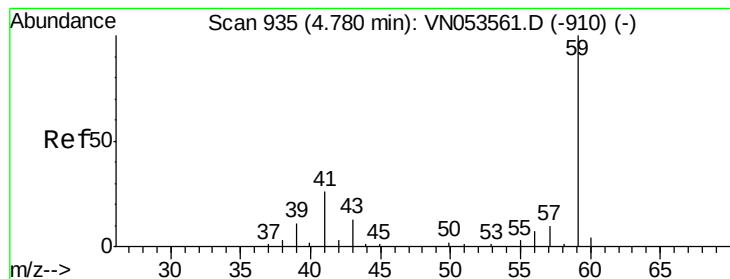


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



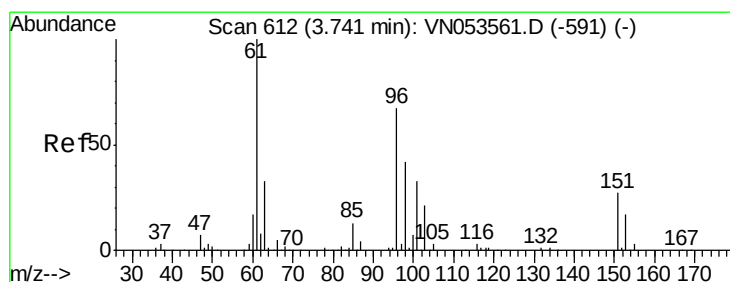
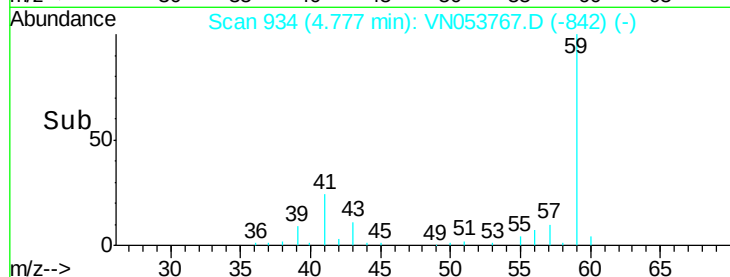
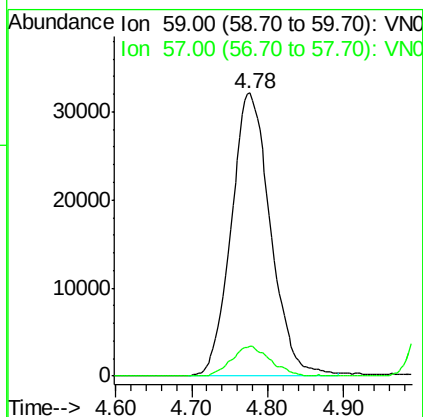
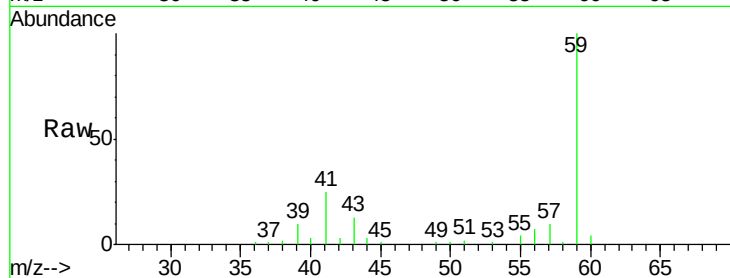


#11

Tert butyl alcohol
Concen: 306.272 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

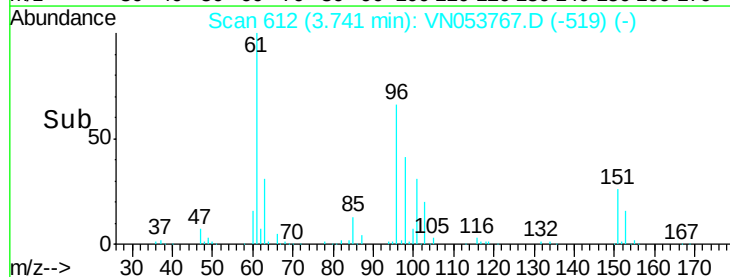
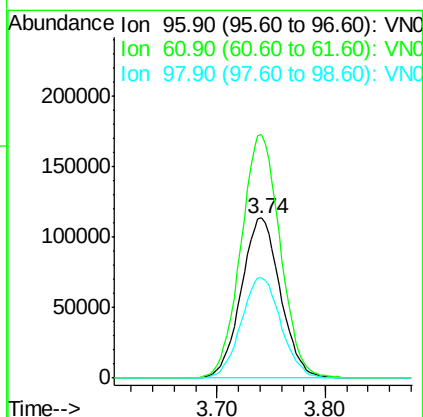
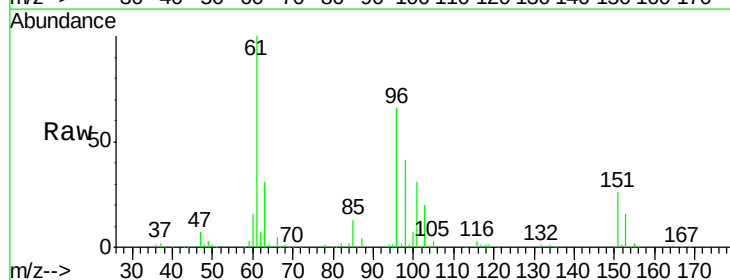
Tot Ion: 59 Resp: 115379
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

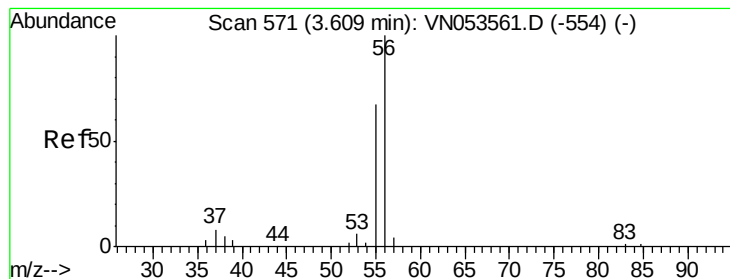


#12

1,1-Dichloroethene
Concen: 48.692 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 96 Resp: 286102
Ion Ratio Lower Upper
96 100
61 151.9 122.9 184.3
98 62.6 49.4 74.0





#13

Acrolein

Concen: 220.030 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

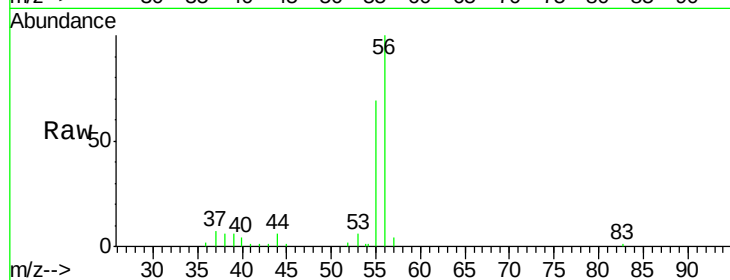
VSTDCCC050EC

Tot Ion: 56 Resp: 45130

Ion Ratio Lower Upper

56 100

55 69.2 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN053561.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN053561.D (-554) (-)

3.61

20000

15000

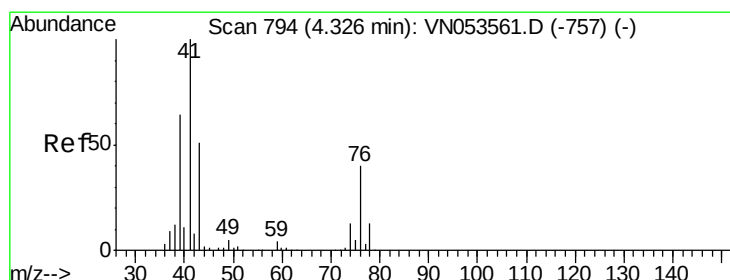
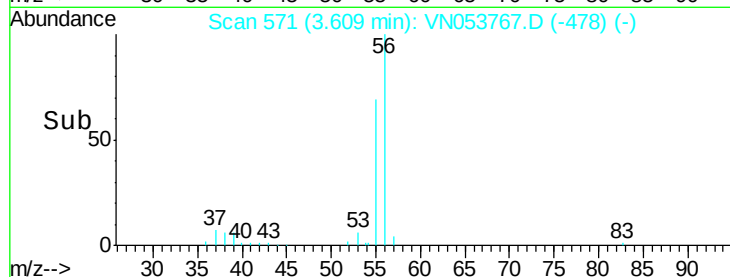
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 49.287 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

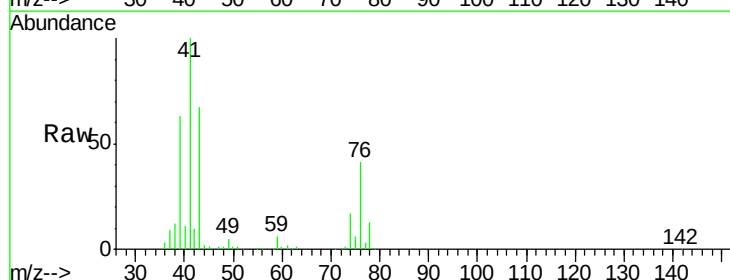
Tgt Ion: 41 Resp: 461102

Ion Ratio Lower Upper

41 100

39 60.5 48.9 73.3

76 38.0 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN053561.D (-757) (-)

Ion 39.00 (38.70 to 39.70): VN053561.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN053561.D (-757) (-)

4.33

200000

150000

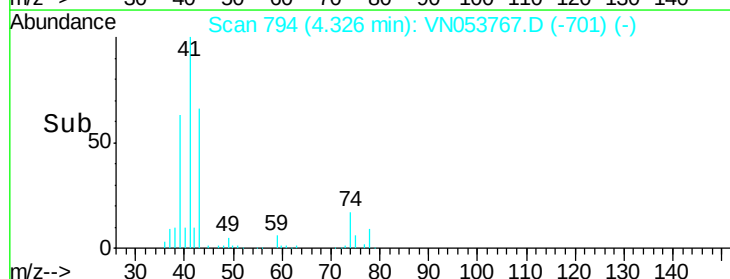
100000

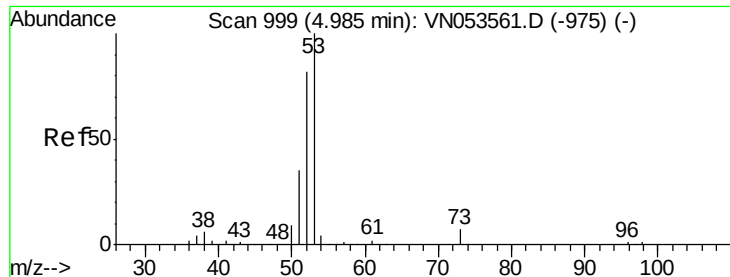
50000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 287.412 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

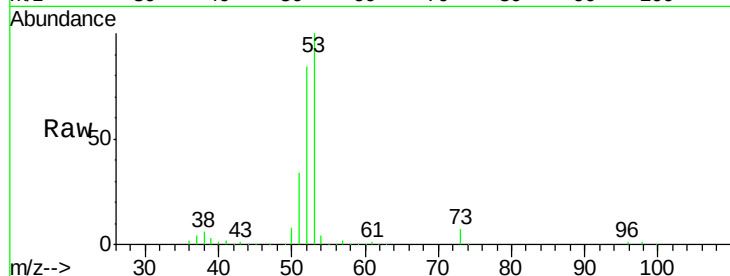
Tot Ion: 53 Resp: 584519

Ion Ratio Lower Upper

53 100

52 81.7 66.0 99.0

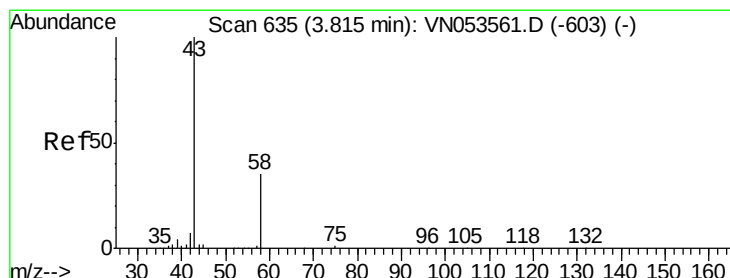
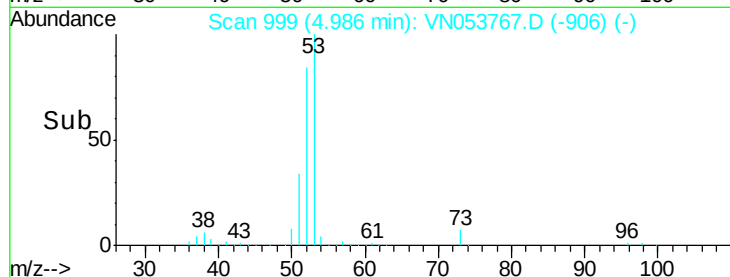
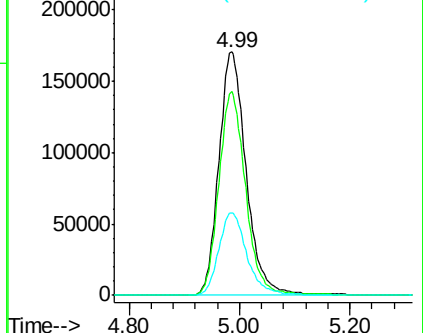
51 34.8 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 243.816 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053767.D

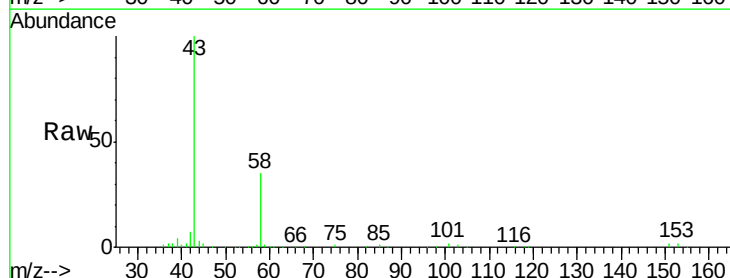
Acq: 13 Feb 2019 20:37

Tgt Ion: 43 Resp: 398090

Ion Ratio Lower Upper

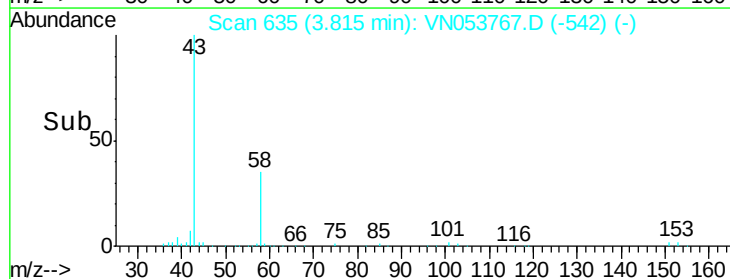
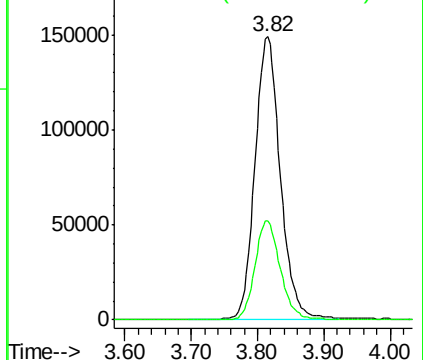
43 100

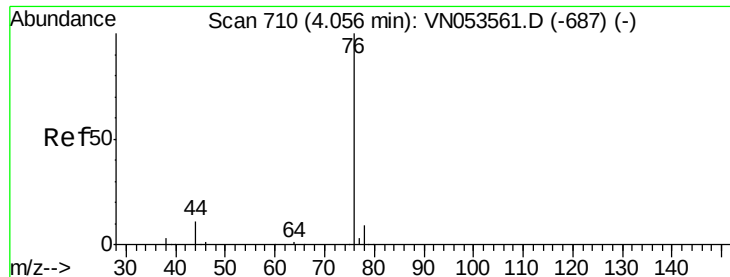
58 34.8 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 42.614 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

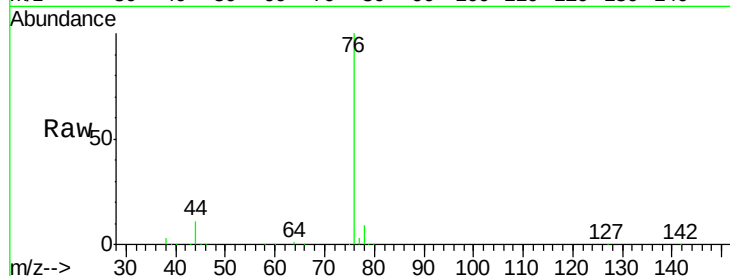
VSTDCCC050EC

Tot Ion: 76 Resp: 779670

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

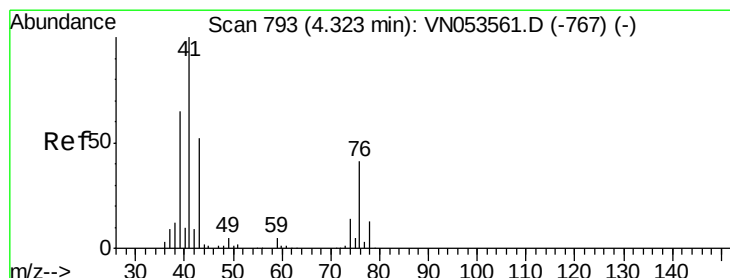
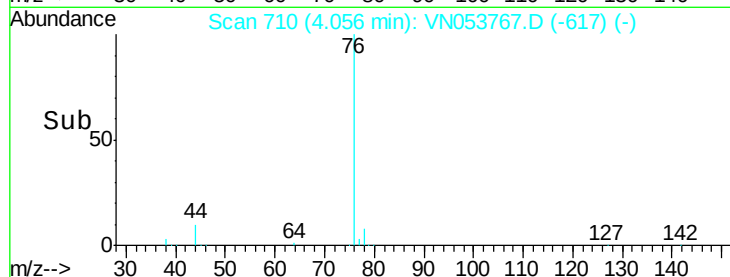
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 61.078 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053767.D

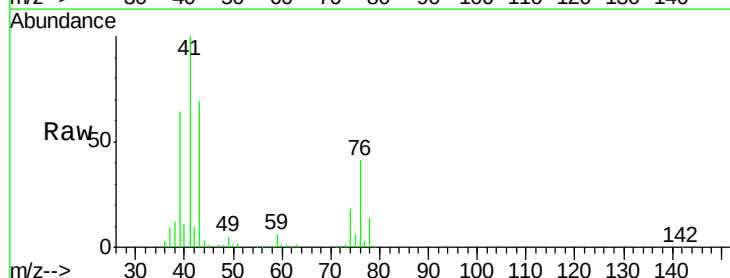
Acq: 13 Feb 2019 20:37

Tgt Ion: 43 Resp: 295337

Ion Ratio Lower Upper

43 100

74 25.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.32

120000

100000

80000

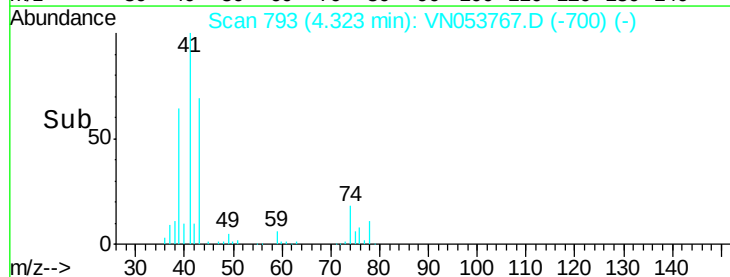
60000

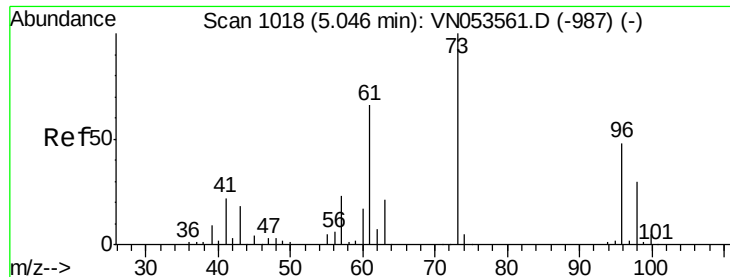
40000

20000

0

Time-->

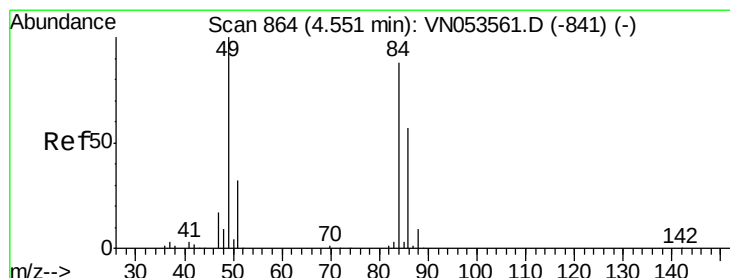
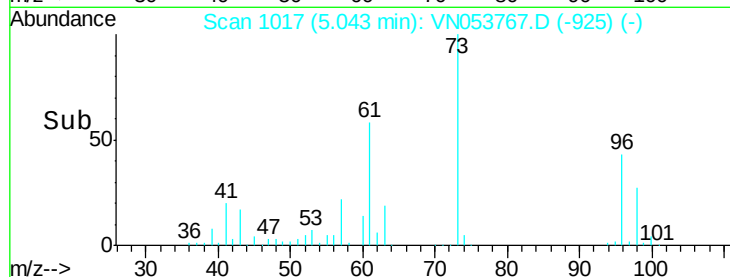
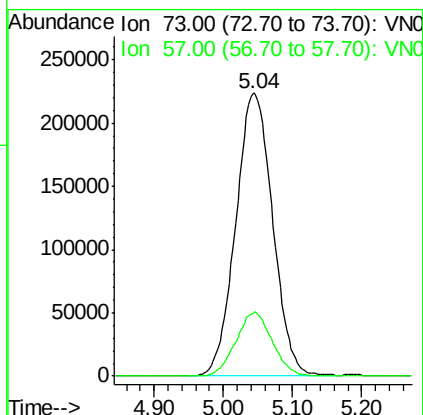
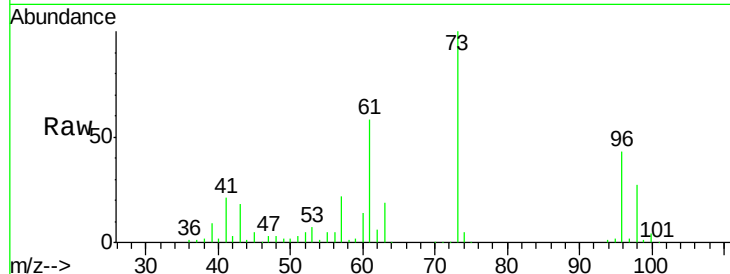




#19
Methyl tert-butyl Ether
Concen: 55.719 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

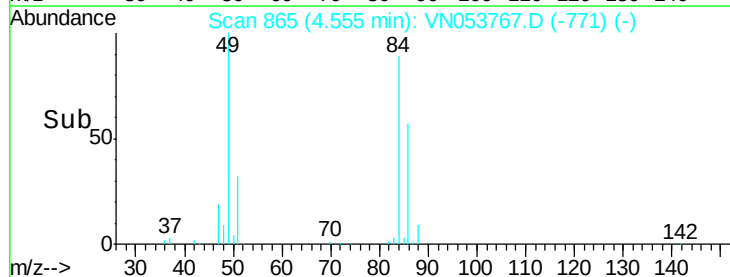
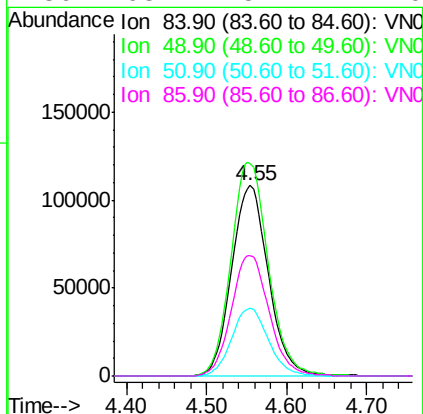
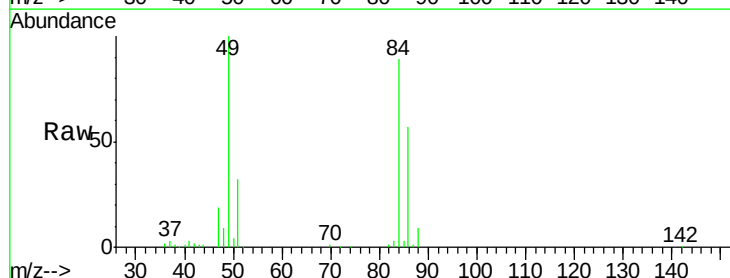
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

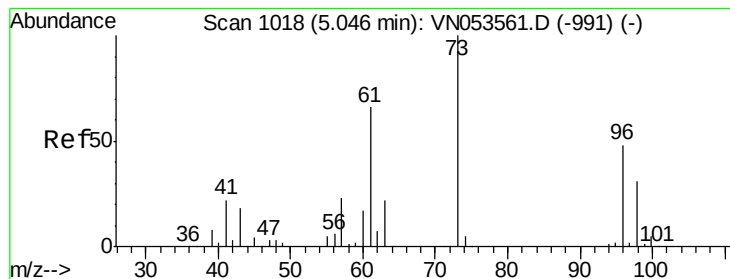
Tot Ion: 73 Resp: 829950
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5



#20
Methylene Chloride
Concen: 49.342 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 84 Resp: 337995
Ion Ratio Lower Upper
84 100
49 111.8 94.3 141.5
51 35.4 29.4 44.2
86 63.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 48.270 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

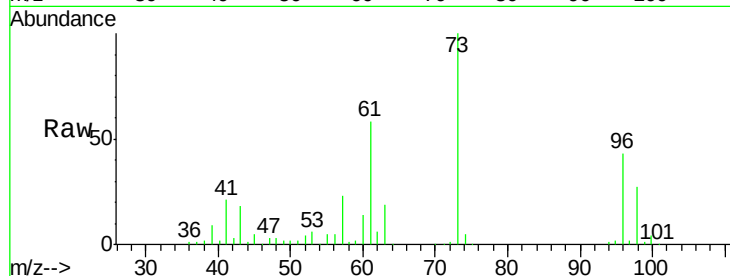
Tot Ion: 96 Resp: 305990

Ion Ratio Lower Upper

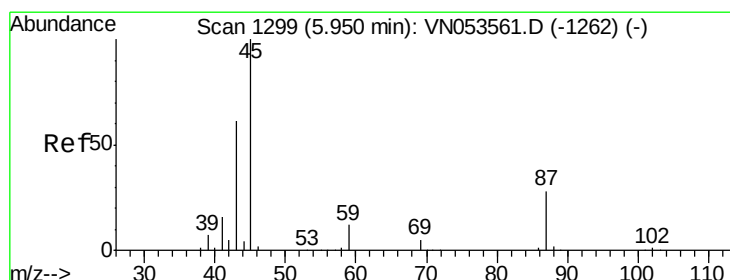
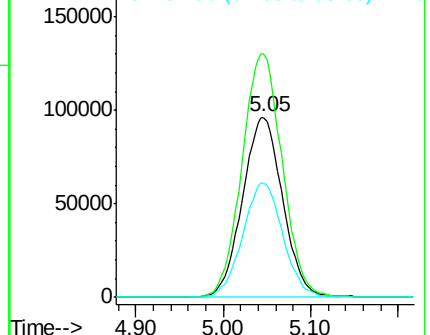
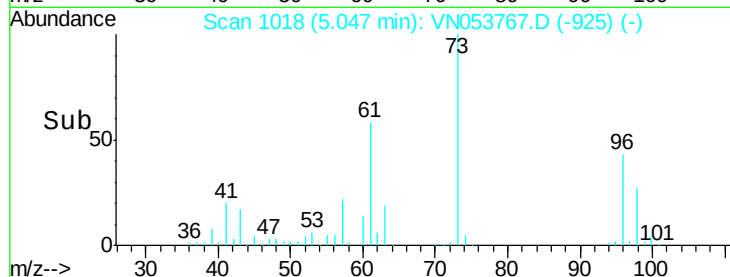
96 100

61 135.0 110.1 165.1

98 63.4 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN053767.D (-925) (-)



#22

Diisopropyl ether

Concen: 54.249 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Tgt Ion: 45 Resp: 940402

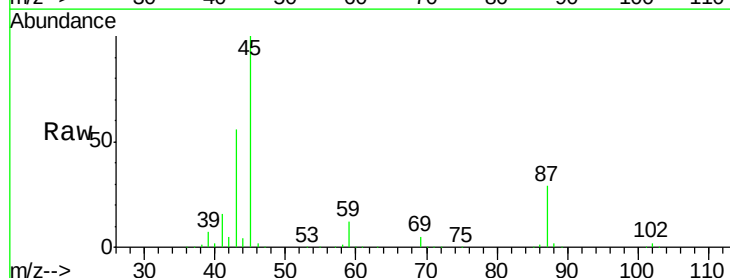
Ion Ratio Lower Upper

45 100

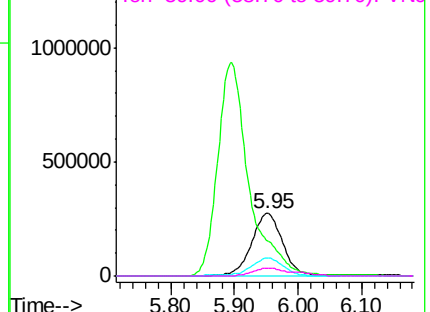
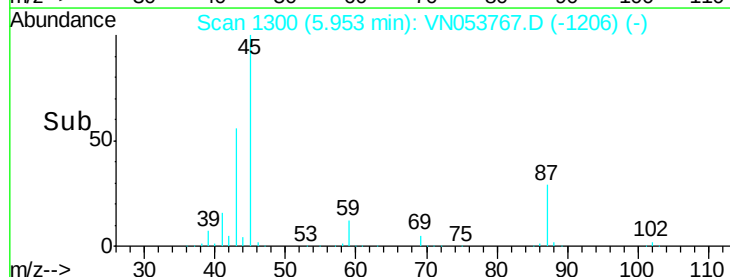
43 55.2 44.2 66.4

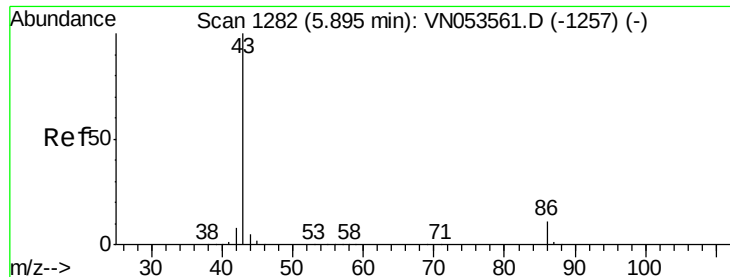
87 28.5 22.7 34.1

59 12.0 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VN053767.D (-1206) (-)





#23

Vinyl Acetate

Concen: 267.787 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

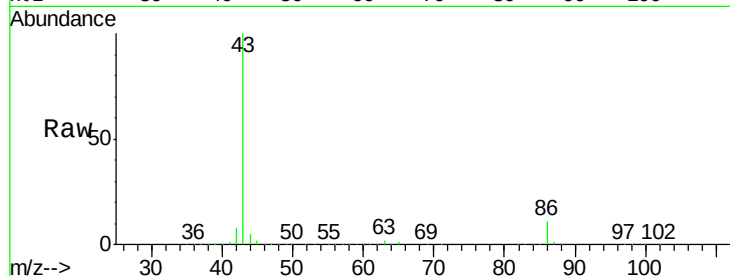
MSVOA_N

ClientSampleId :

VSTDCCC050EC

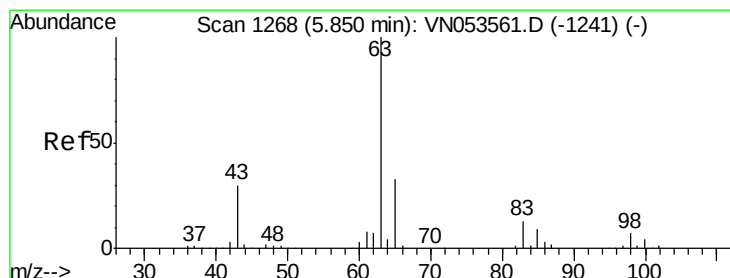
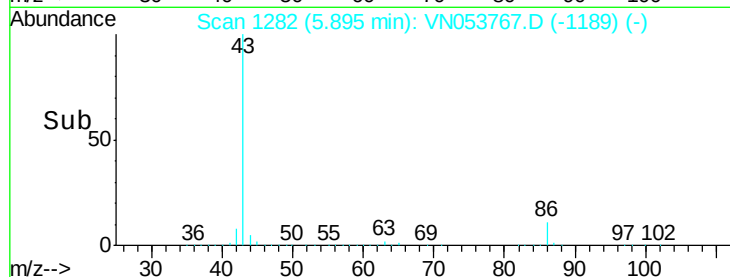
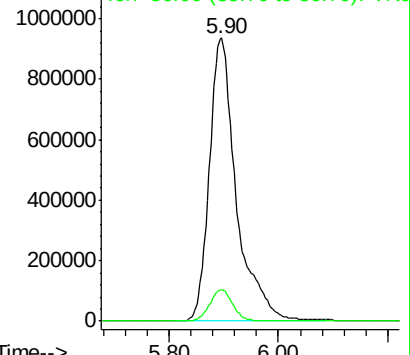
Tot Ion: 43 Resp: 3211317

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.4	12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.639 ug/l

RT: 5.85 min Scan# 1268

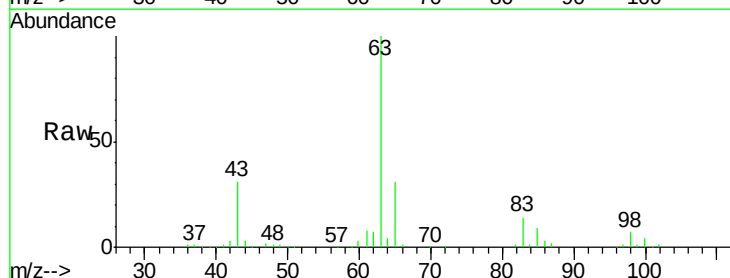
Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Tgt Ion: 63 Resp: 585495

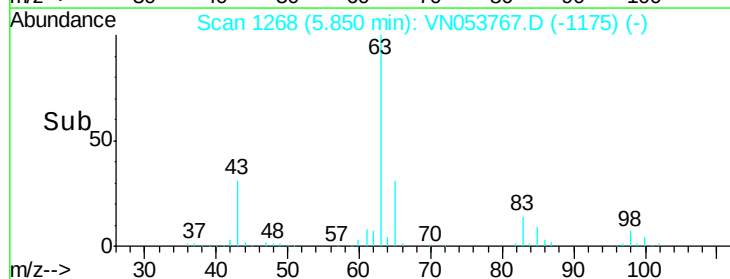
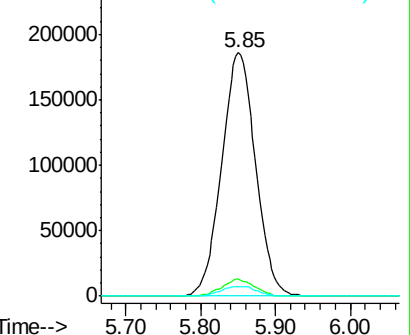
Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.3	9.9
100	4.1	2.1	6.5

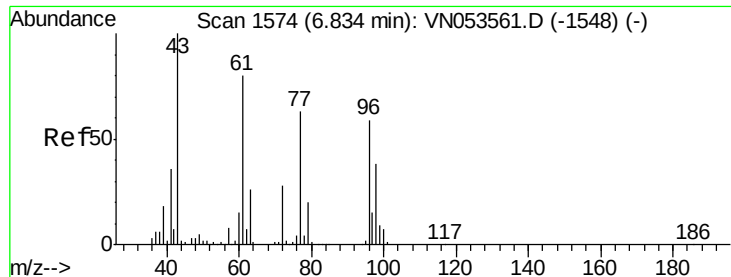


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 271.739 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

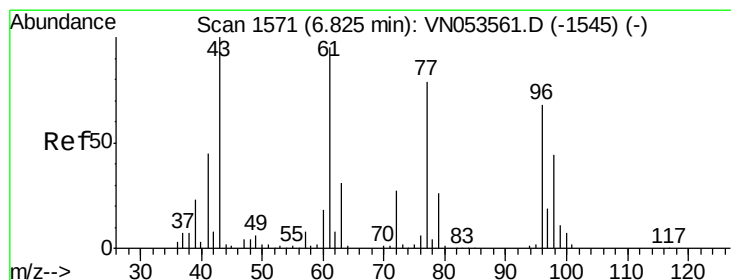
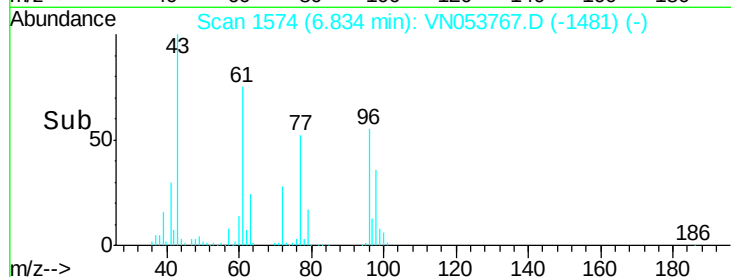
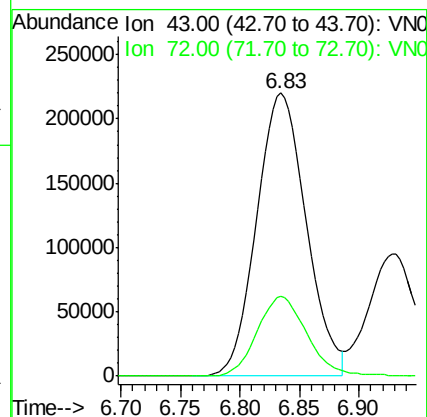
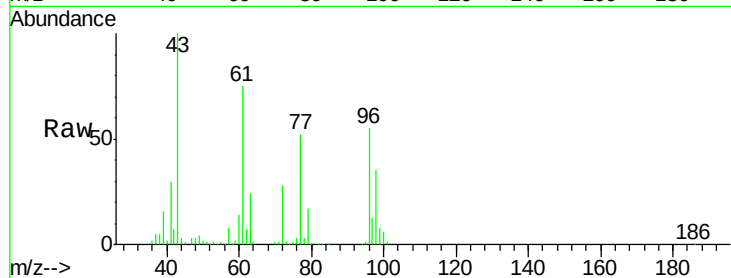
VSTDCCC050EC

Tot Ion: 43 Resp: 632786

Ion Ratio Lower Upper

43 100

72 28.3 22.0 33.0



#26

2,2-Dichloropropane

Concen: 45.039 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053767.D

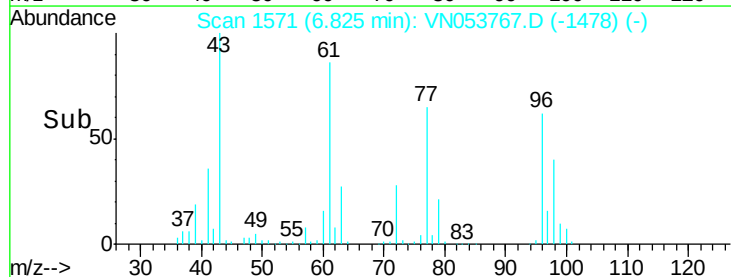
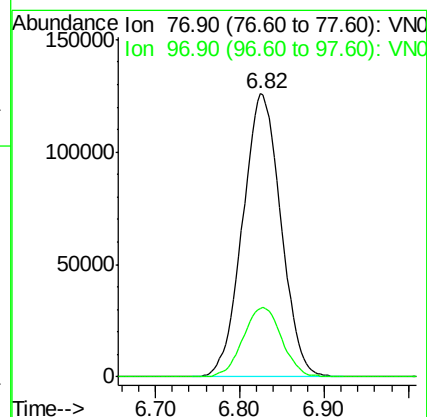
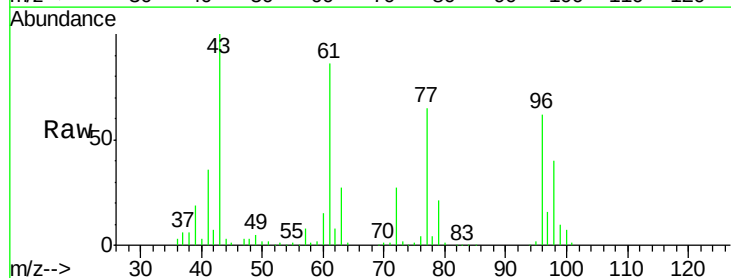
Acq: 13 Feb 2019 20:37

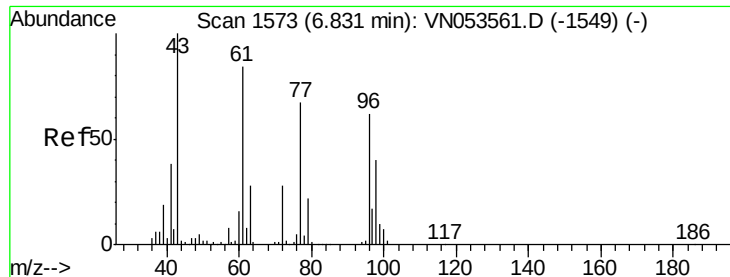
Tgt Ion: 77 Resp: 397527

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.074 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

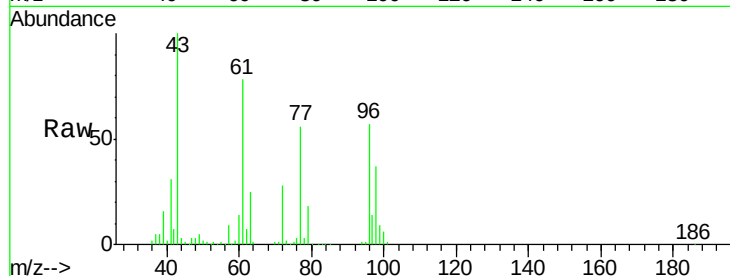
Tot Ion: 96 Resp: 360016

Ion Ratio Lower Upper

96 100

61 137.7 0.0 283.8

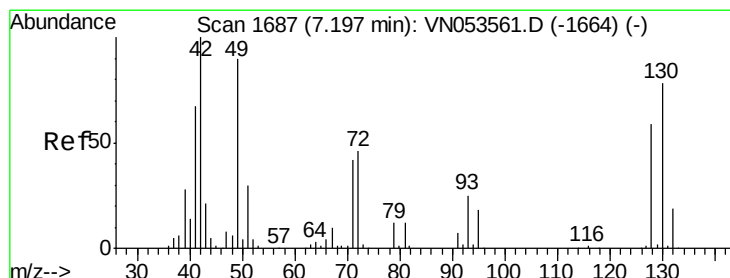
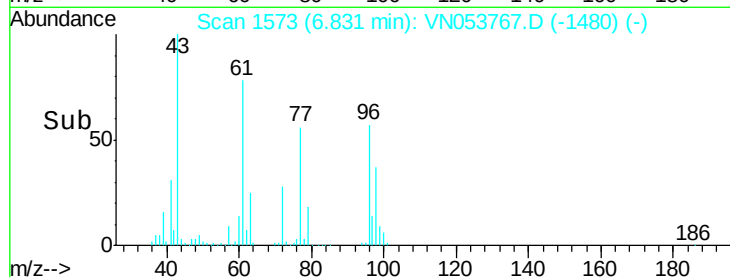
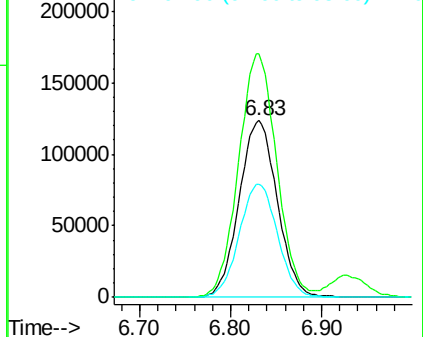
98 64.5 0.0 129.2



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



#28

Bromochloromethane

Concen: 53.168 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

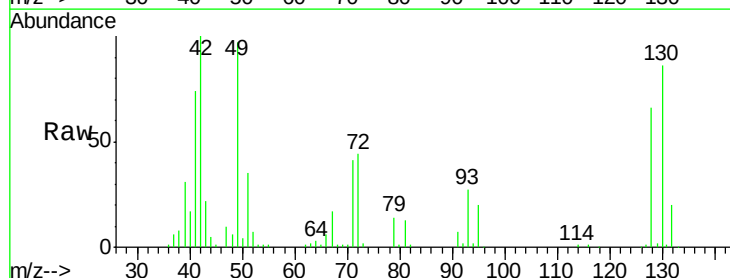
Tgt Ion: 49 Resp: 266775

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

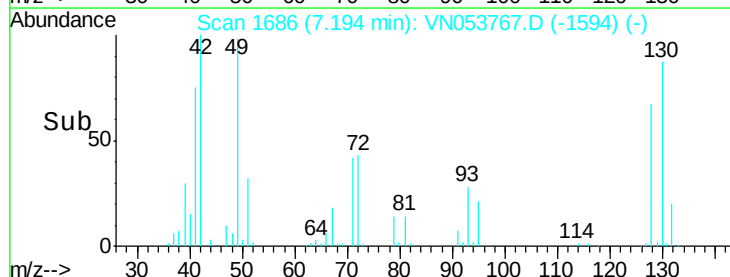
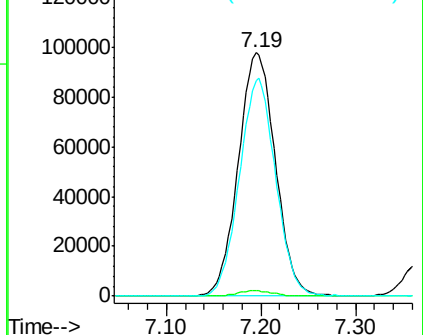
130 87.2 66.3 99.5

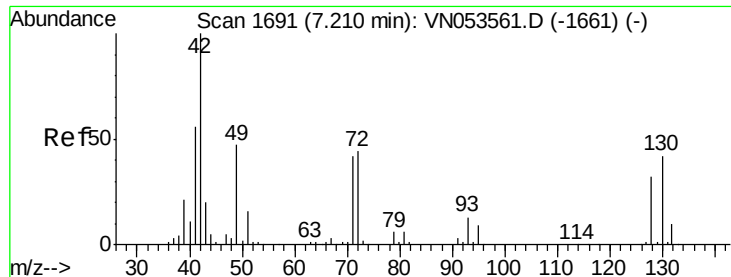


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 287.187 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

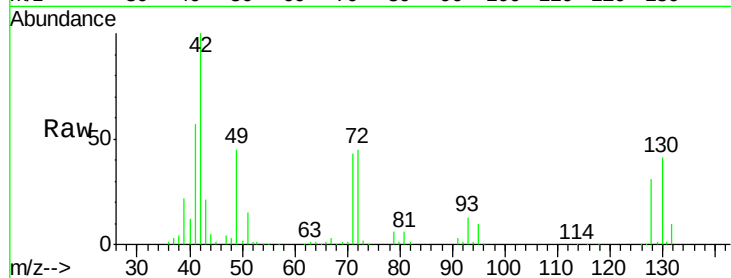
Tot Ion: 42 Resp: 429431

Ion Ratio Lower Upper

42 100

72 44.9 35.2 52.8

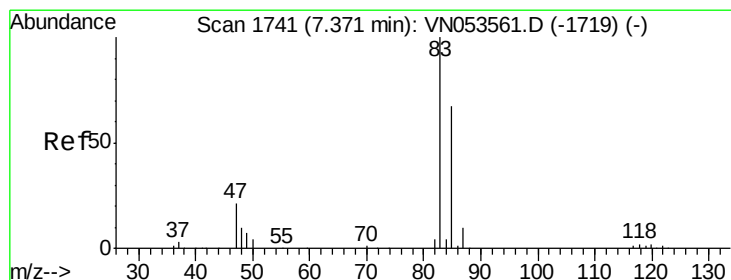
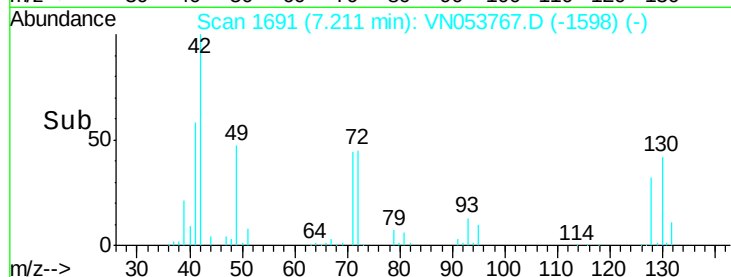
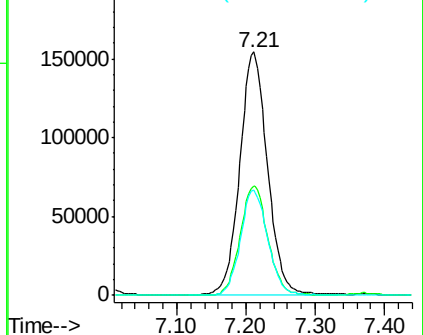
71 42.4 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 51.150 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN053767.D

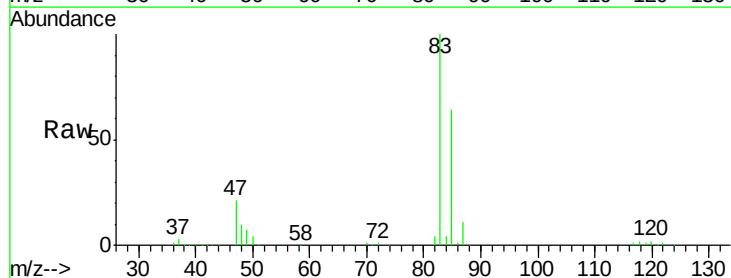
Acq: 13 Feb 2019 20:37

Tgt Ion: 83 Resp: 586265

Ion Ratio Lower Upper

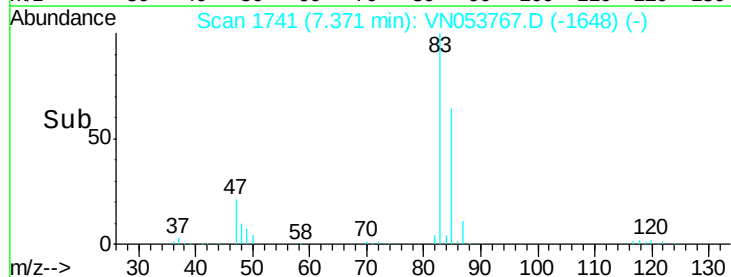
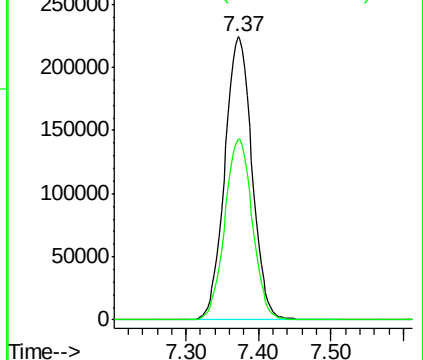
83 100

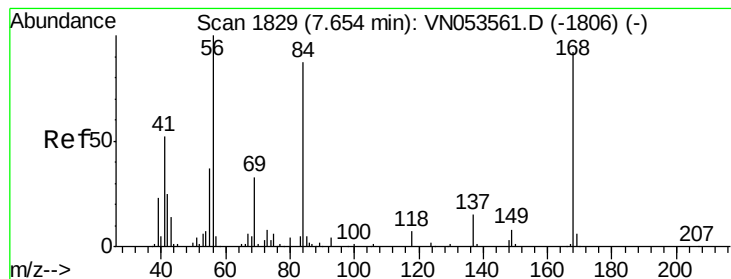
85 64.1 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 46.020 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

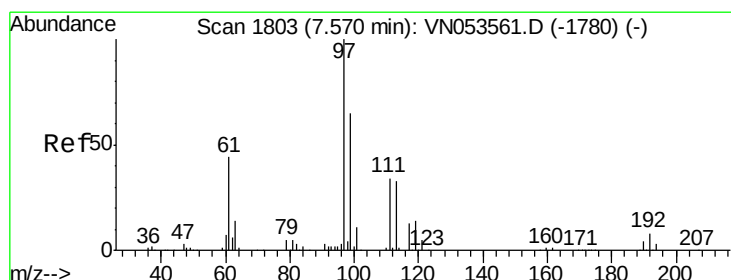
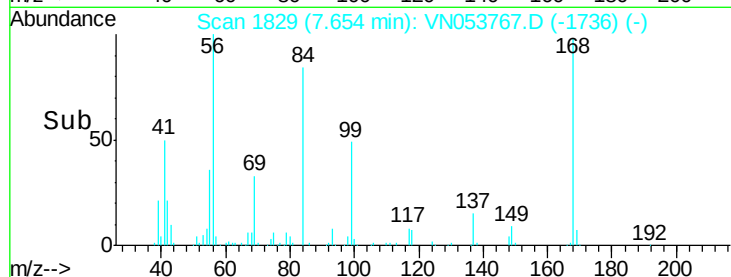
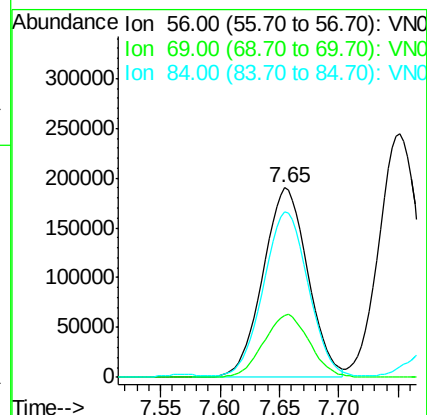
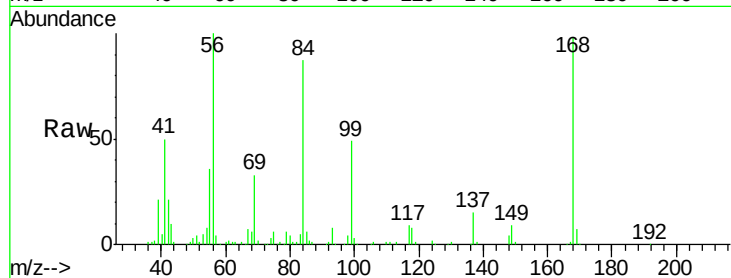
Tot Ion: 56 Resp: 495552

Ion Ratio Lower Upper

56 100

69 32.8 26.4 39.6

84 85.7 67.9 101.9



#32

1,1,1-Trichloroethane

Concen: 51.418 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

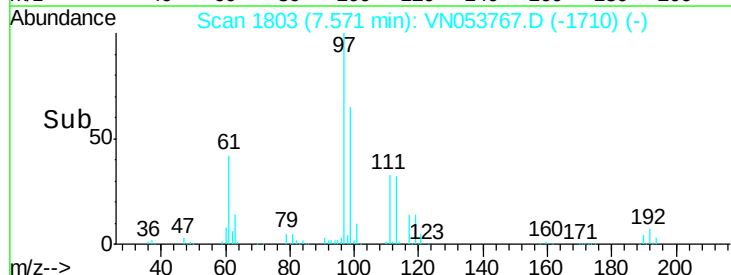
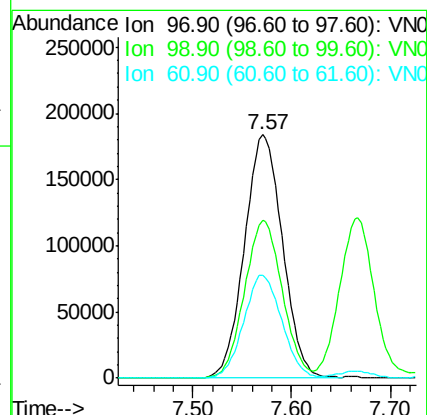
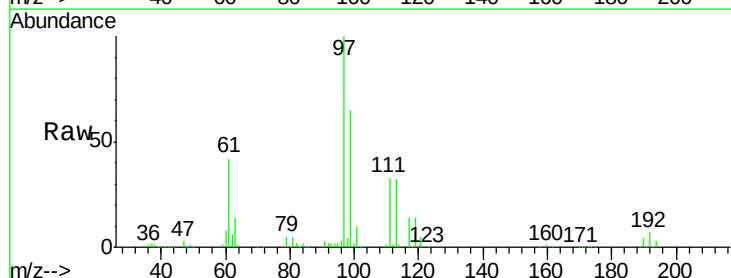
Tgt Ion: 97 Resp: 490452

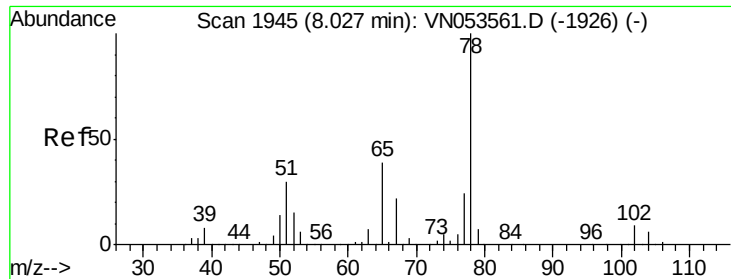
Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

61 42.4 34.4 51.6

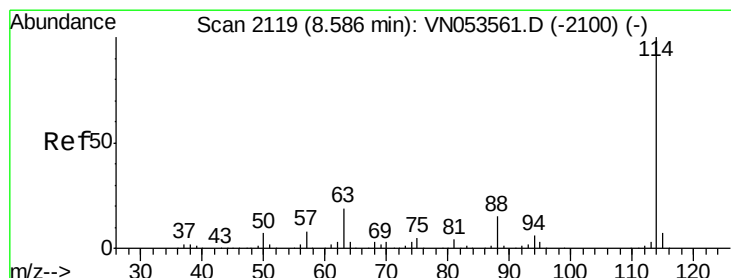
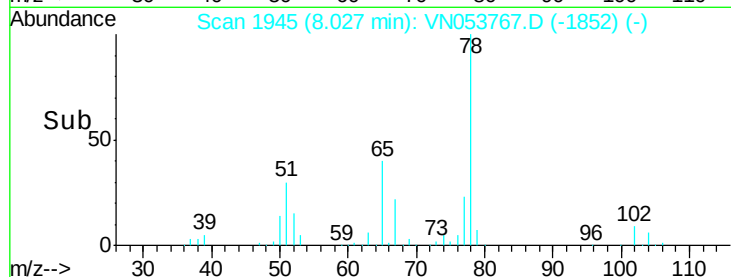
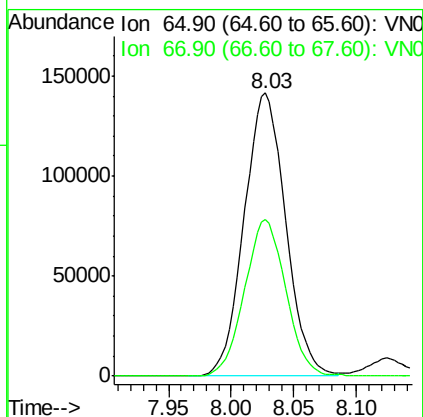
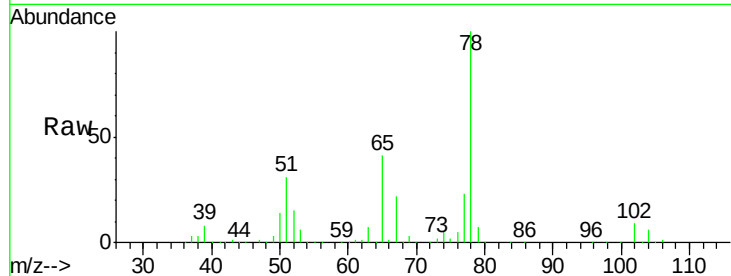




#33
 1,2-Dichloroethane-d4
 Concen: 51.240 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

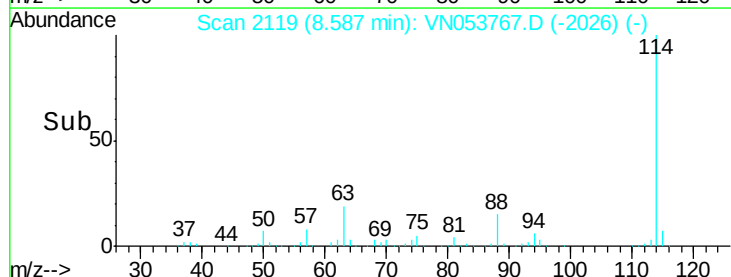
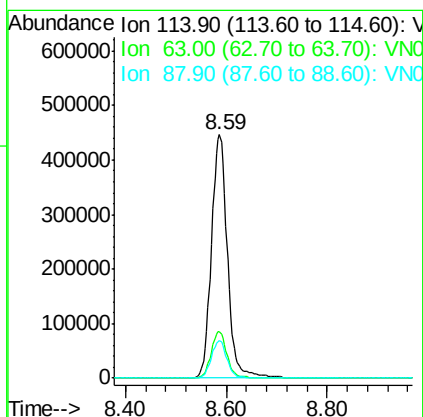
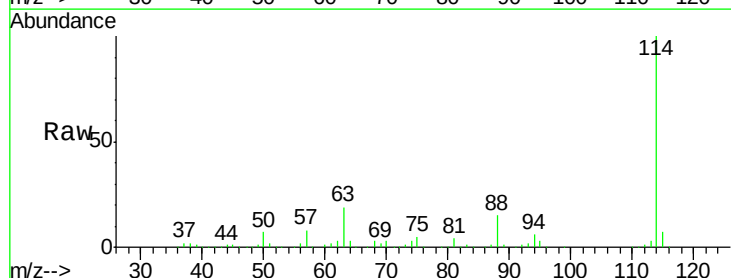
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

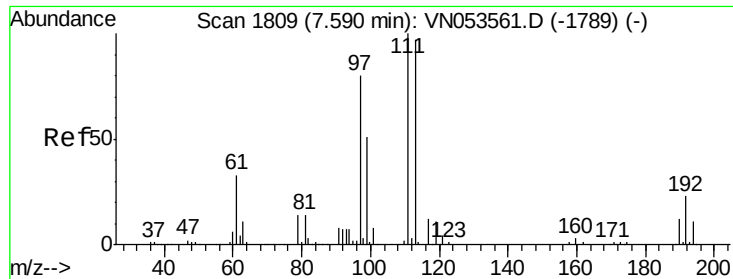
Tot Ion: 65 Resp: 326165
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion: 114 Resp: 986358
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.4 0.0 30.4

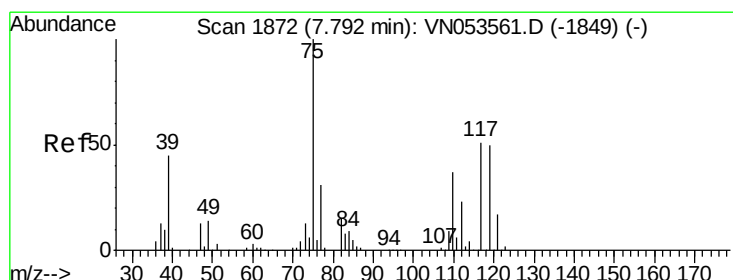
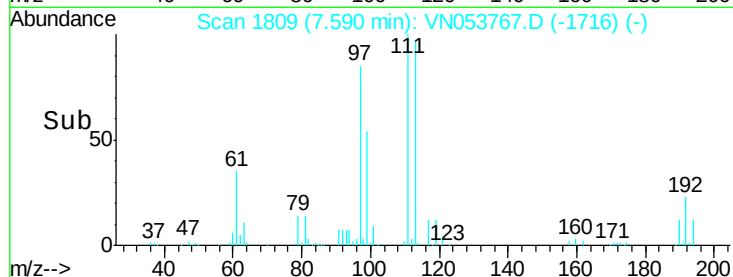
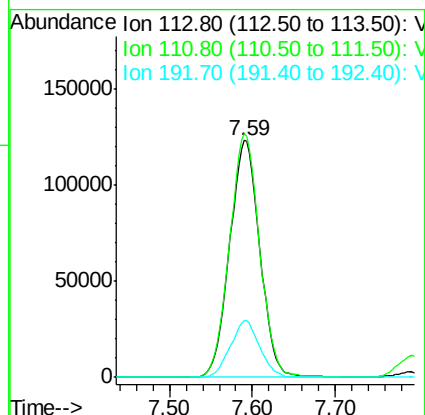
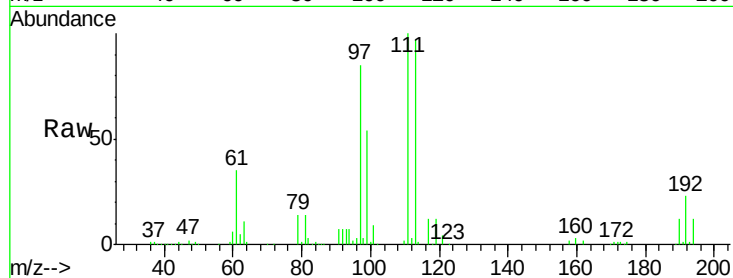




#35
 Dibromofluoromethane
 Concen: 50.165 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

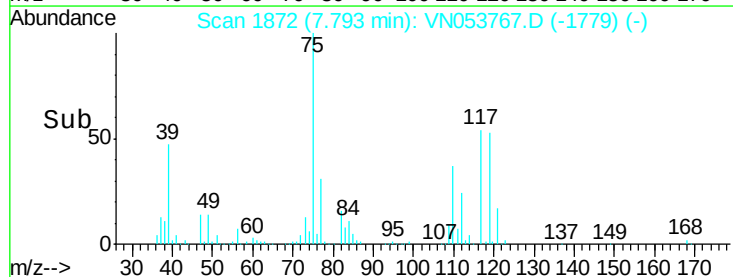
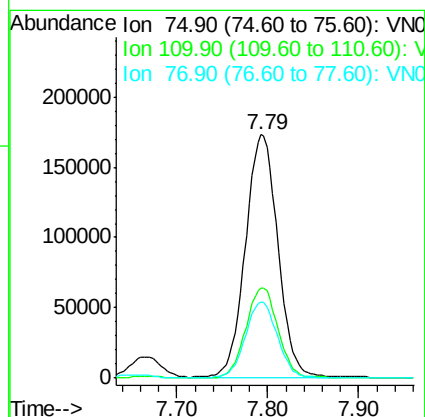
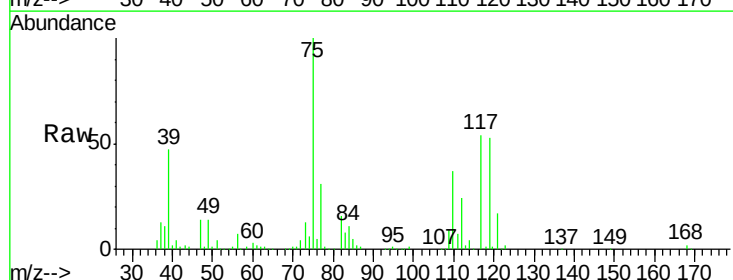
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

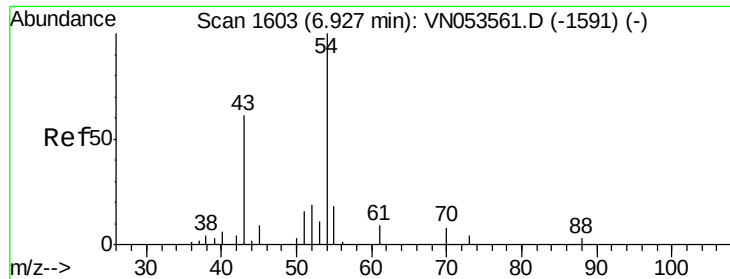
Tot Ion:113 Resp: 312651
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.1 121.7
 192 23.3 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 47.917 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion: 75 Resp: 426047
 Ion Ratio Lower Upper
 75 100
 110 37.4 18.1 54.3
 77 31.7 25.1 37.7

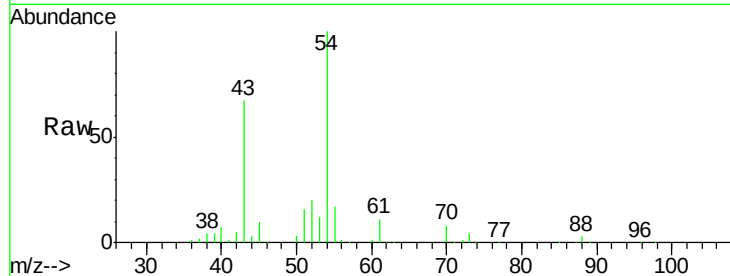




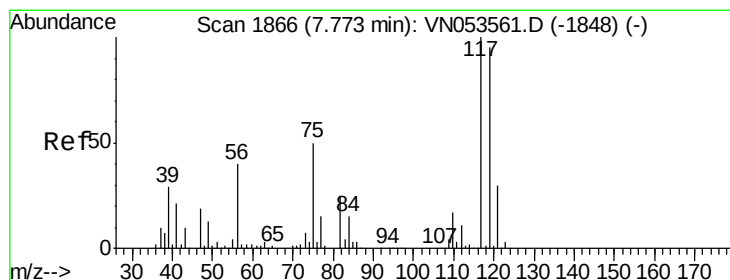
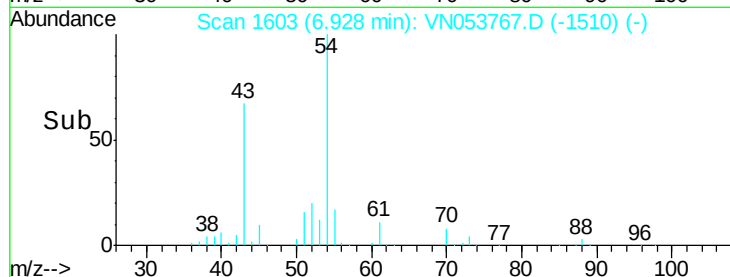
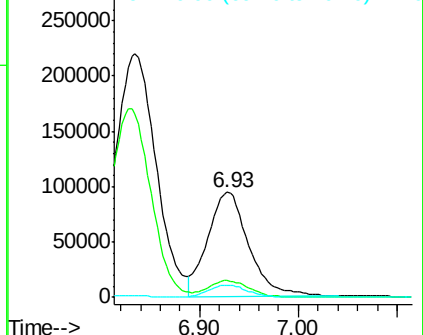
#37
Ethyl Acetate
Concen: 55.303 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 274630
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.6
70 10.8 8.6 12.8

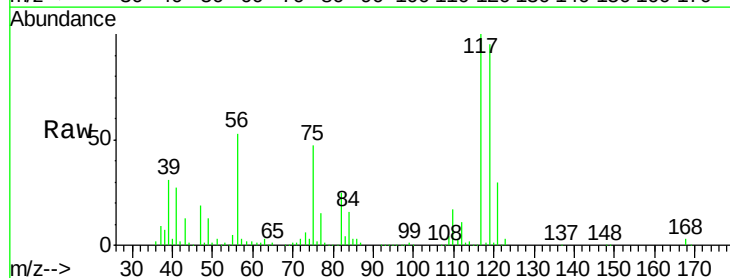


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

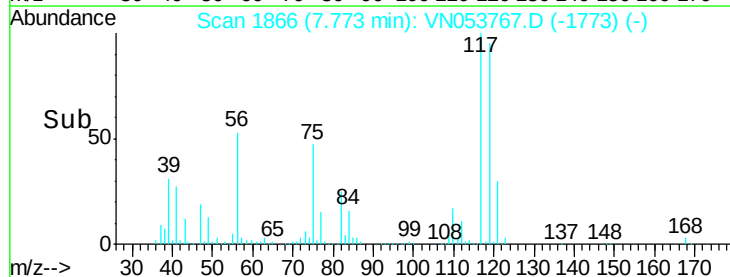
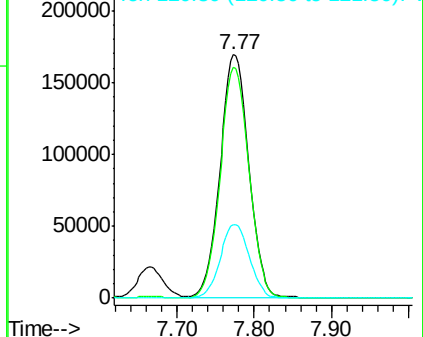


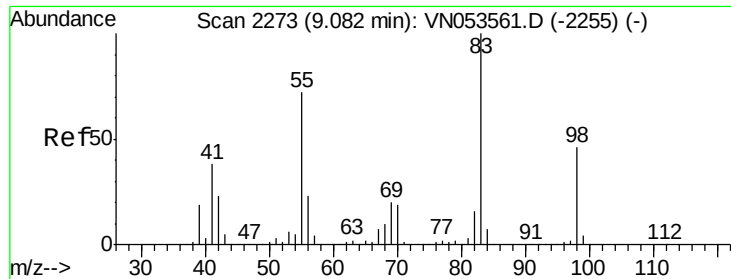
#38
Carbon Tetrachloride
Concen: 48.848 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 117 Resp: 437538
Ion Ratio Lower Upper
117 100
119 94.6 77.2 115.8
121 30.2 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

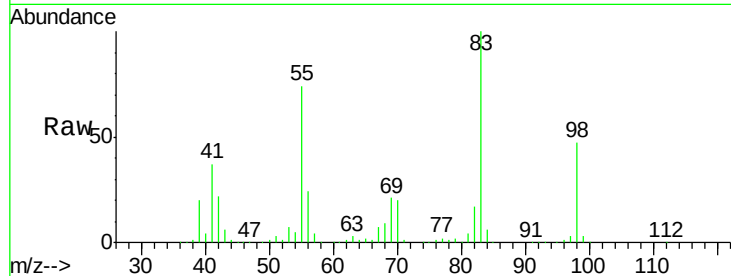




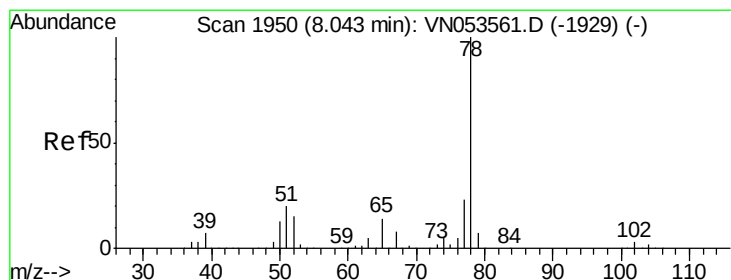
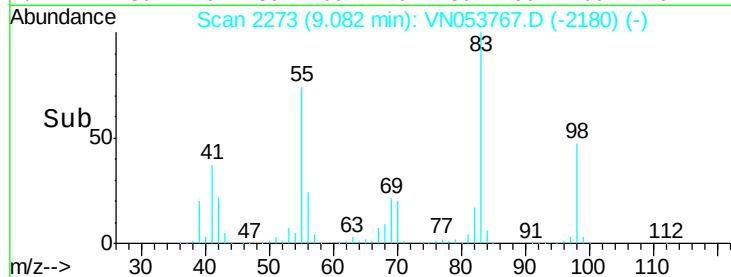
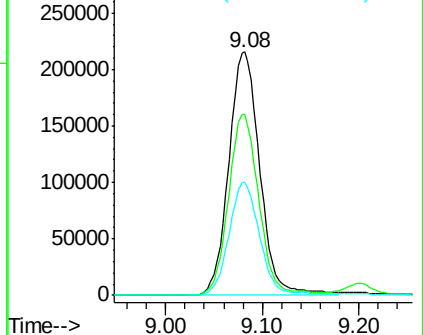
#39
Methylvlcyclohexane
Concen: 45.569 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 480690
Ion Ratio Lower Upper
83 100
55 74.1 60.1 90.1
98 46.7 36.6 55.0

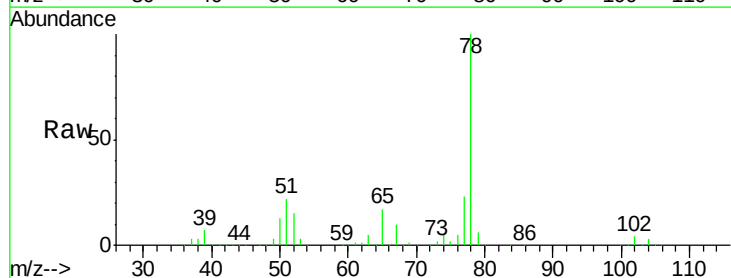


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

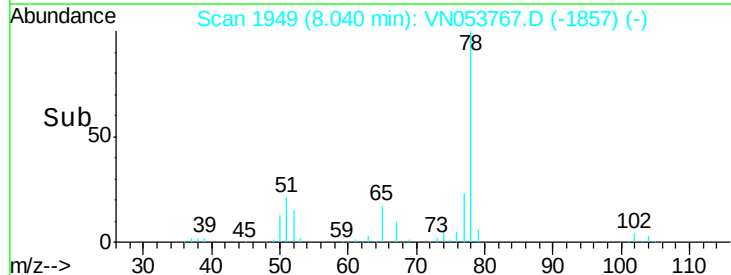
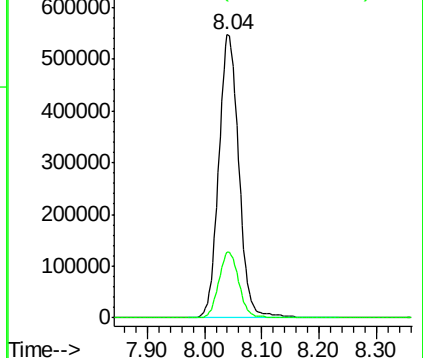


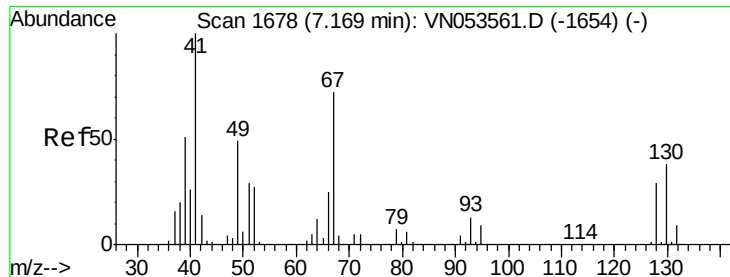
#40
Benzene
Concen: 48.707 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 78 Resp: 1335495
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

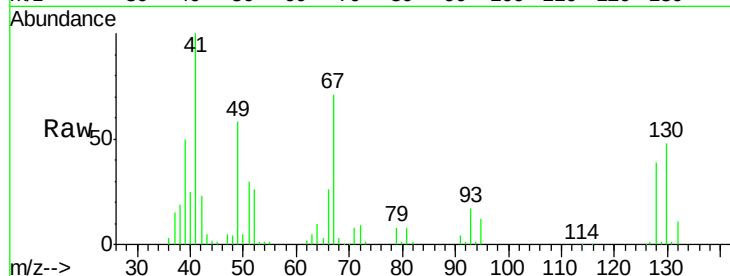




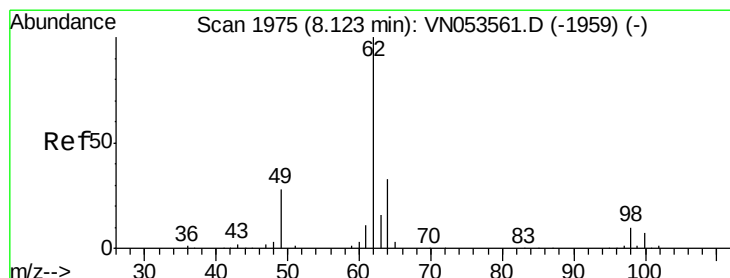
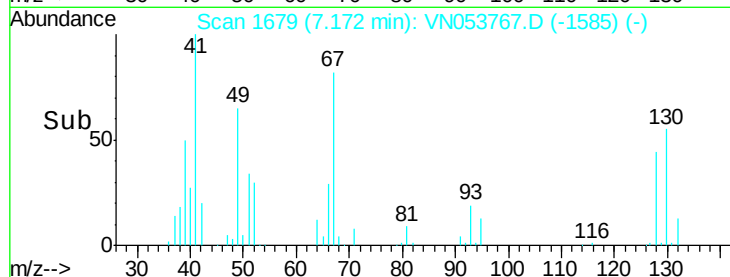
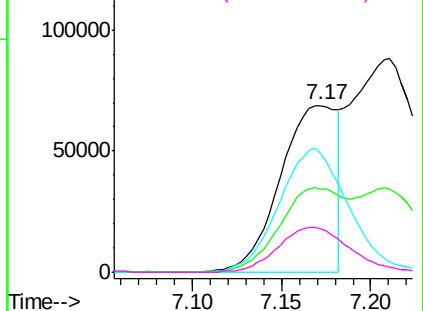
#41
Methacrylonitrile
Concen: 54.716 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 151861
Ion Ratio Lower Upper
41 100
39 58.5 46.8 70.2
67 91.6 63.0 94.6
52 33.3 23.8 35.8

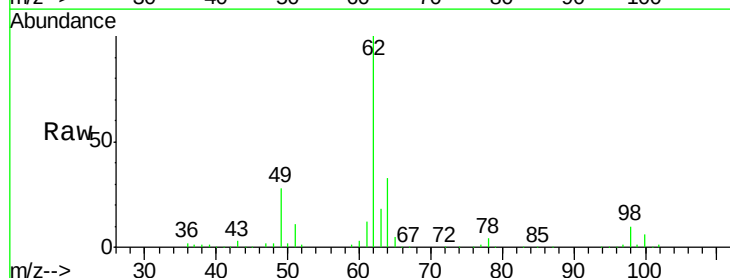


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

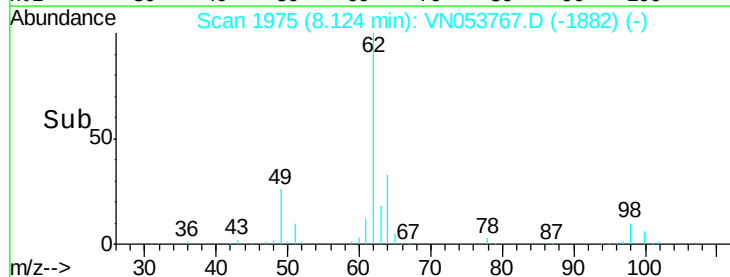
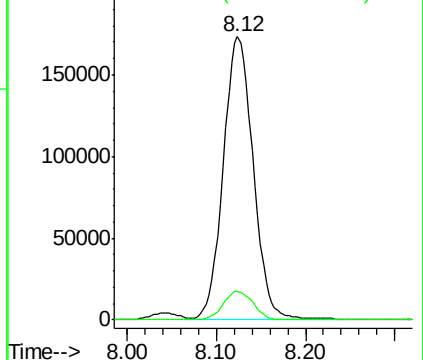


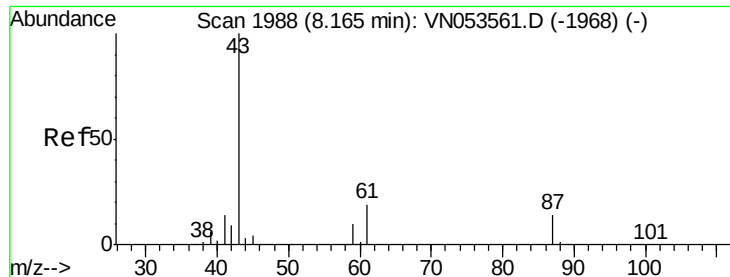
#42
1,2-Dichloroethane
Concen: 49.183 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 62 Resp: 400407
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 52.878 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

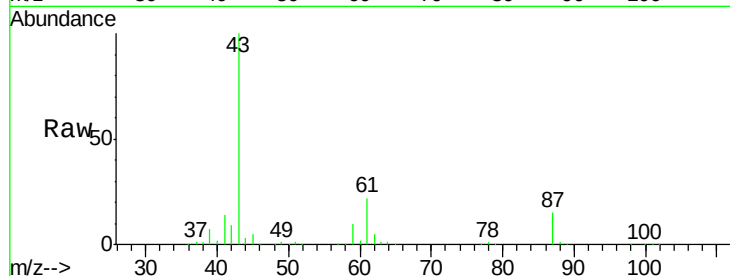
Tot Ion: 43 Resp: 507108

Ion Ratio Lower Upper

43 100

61 29.0 23.9 35.9

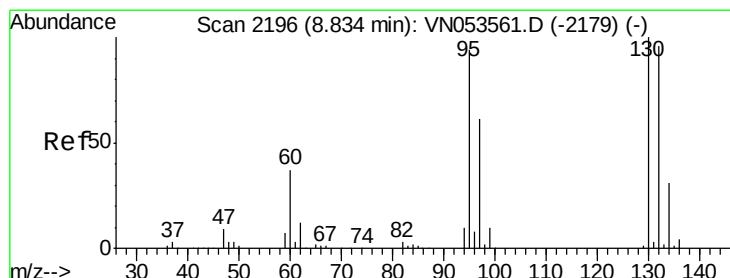
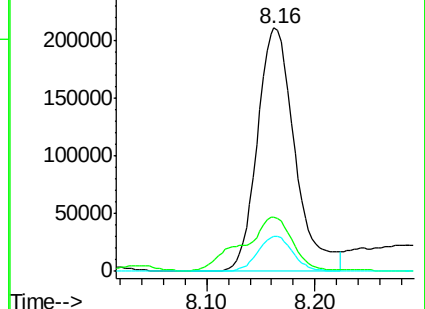
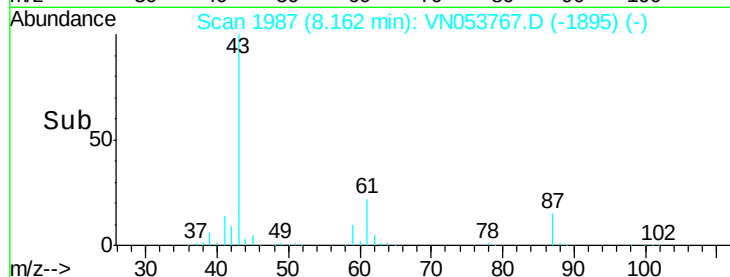
87 13.6 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053767.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN053767.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN053767.D (-1895) (-)



#44

Trichloroethene

Concen: 47.252 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053767.D

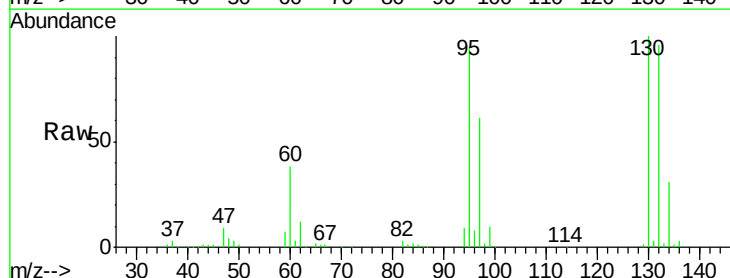
Acq: 13 Feb 2019 20:37

Tgt Ion:130 Resp: 368847

Ion Ratio Lower Upper

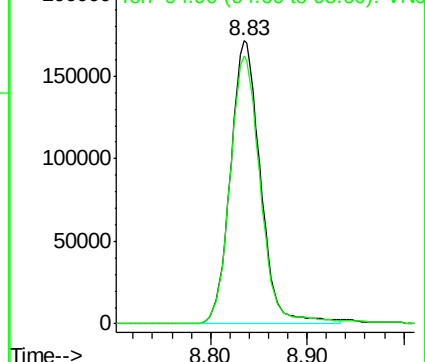
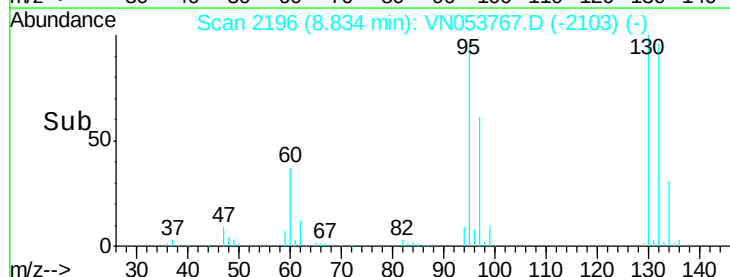
130 100

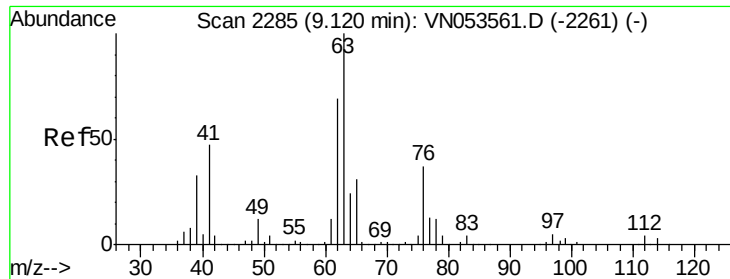
95 94.6 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053767.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN053767.D (-2103) (-)

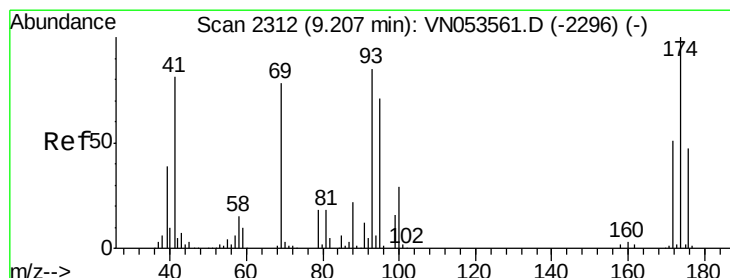
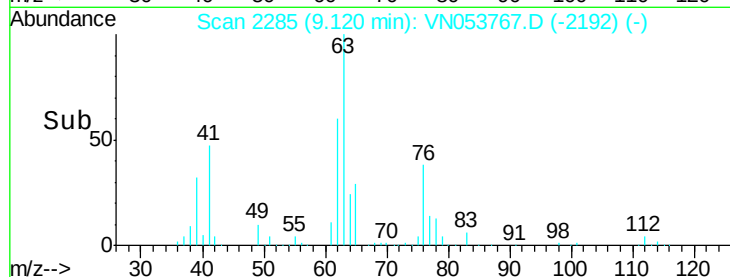
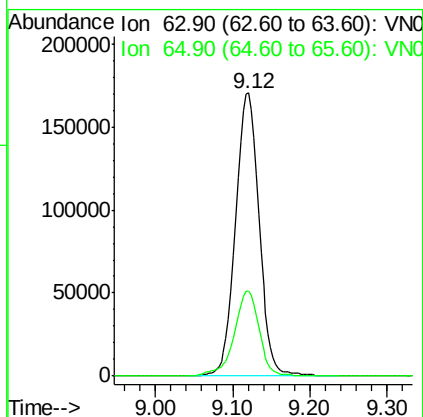
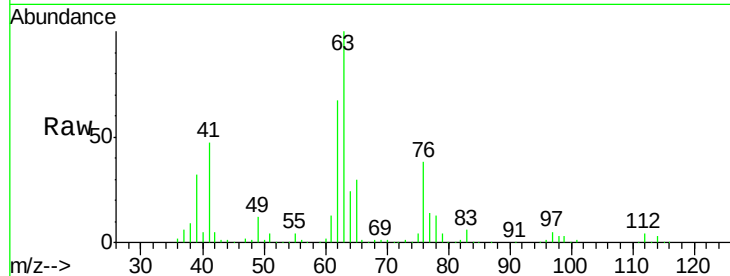




#45
 1,2-Dichloropropane
 Concen: 51.225 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

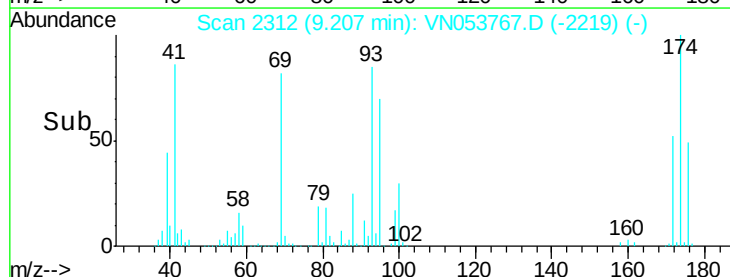
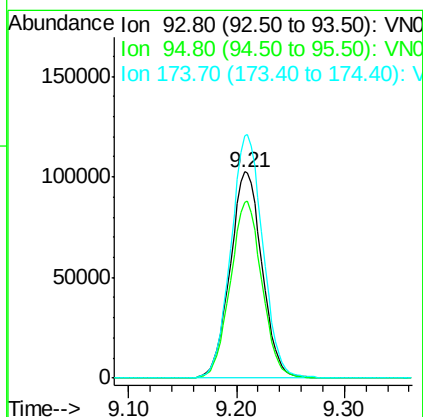
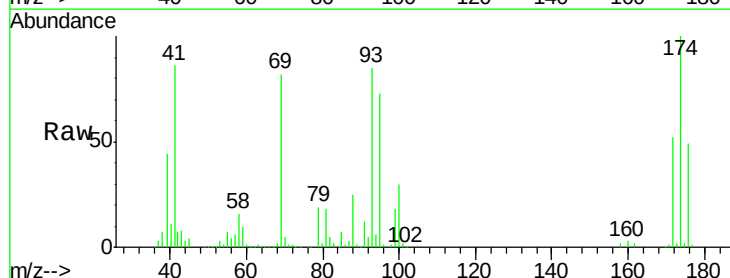
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

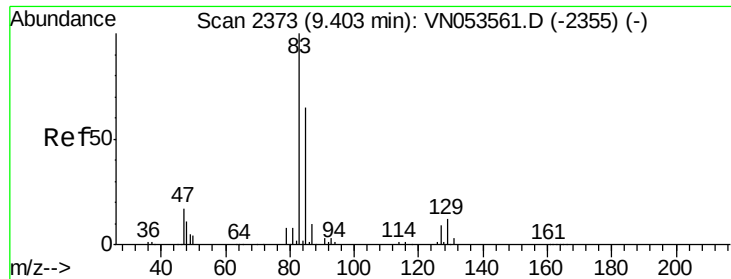
Tot Ion: 63 Resp: 359239
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.4



#46
 Dibromomethane
 Concen: 50.161 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion: 93 Resp: 212060
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.3 100.9
 174 117.9 91.0 136.4





#47

Bromodichloromethane

Concen: 50.975 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

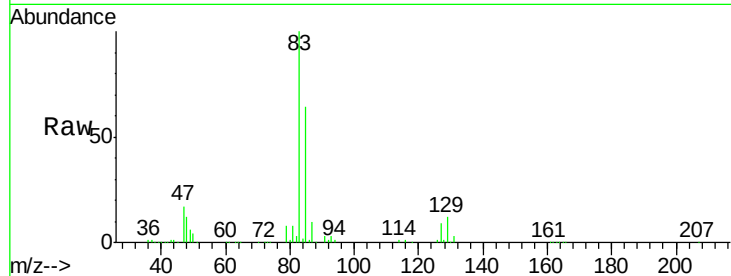
Tot Ion: 83 Resp: 448061

Ion Ratio Lower Upper

83 100

85 63.7 51.0 76.6

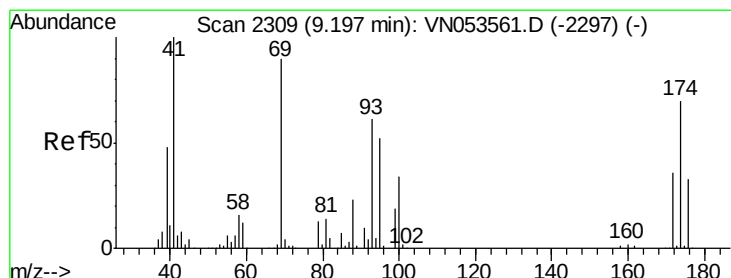
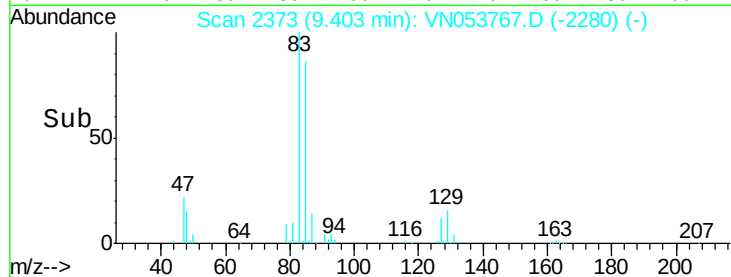
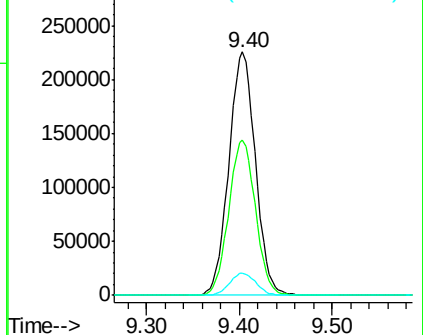
127 9.1 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053767.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053767.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053767.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.853 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

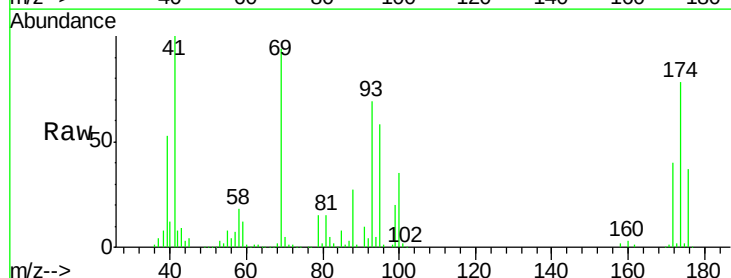
Tgt Ion: 41 Resp: 232796

Ion Ratio Lower Upper

41 100

69 101.6 73.8 110.6

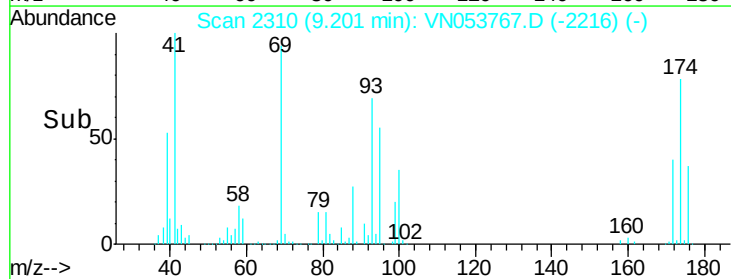
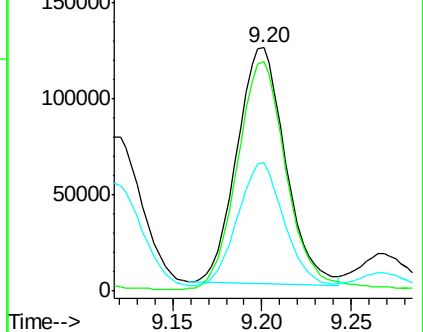
39 54.6 40.0 60.0

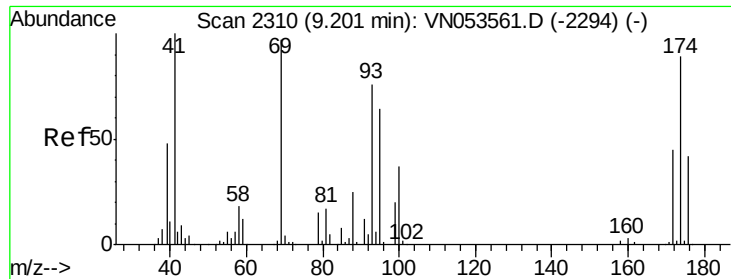


Abundance Ion 41.00 (40.70 to 41.70): VN053767.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053767.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053767.D (-2216) (-)

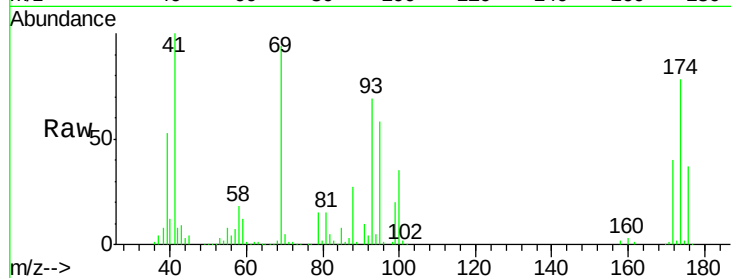




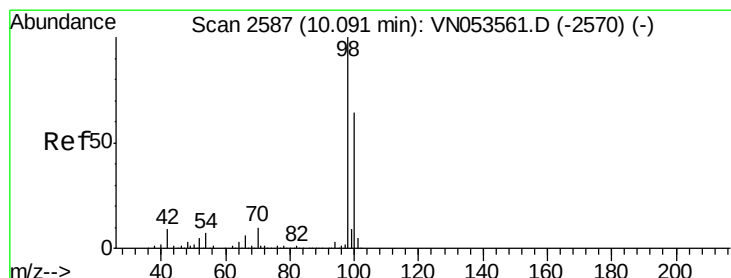
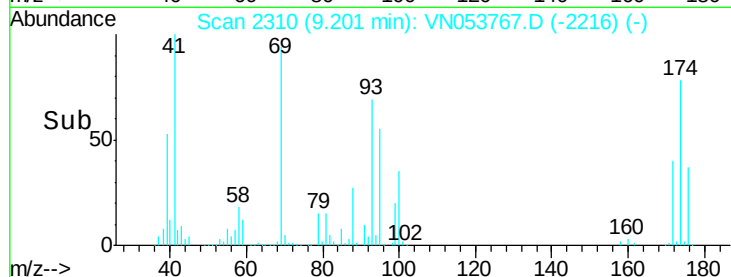
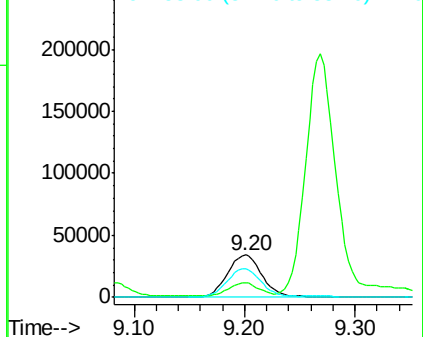
#49
1,4-Dioxane
Concen: 1128.010 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 75169
Ion Ratio Lower Upper
88 100
43 26.9 27.8 41.6#
58 66.6 56.5 84.7

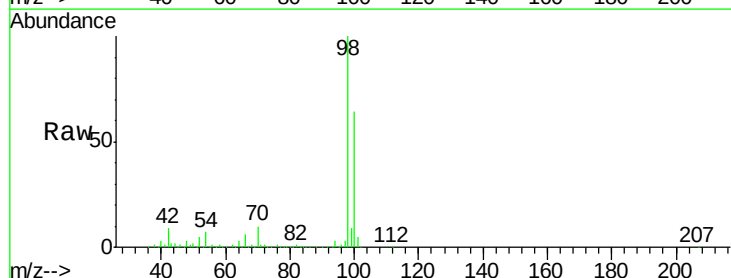


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

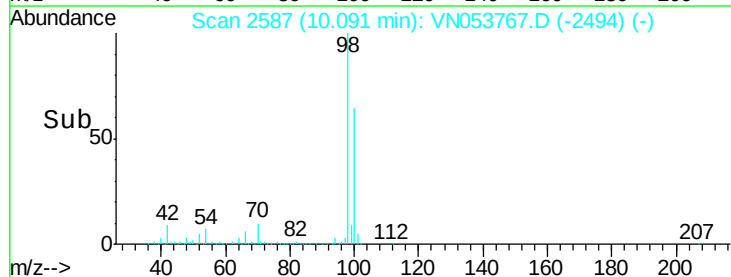
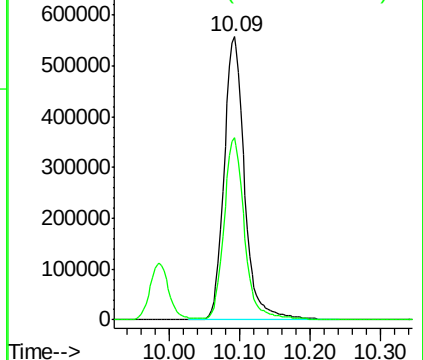


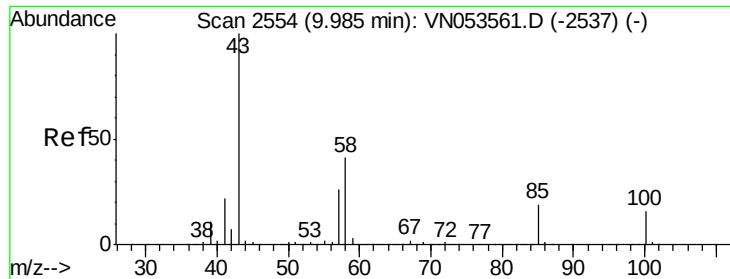
#50
Toluene-d8
Concen: 48.457 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 98 Resp: 1133993
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 284.855 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

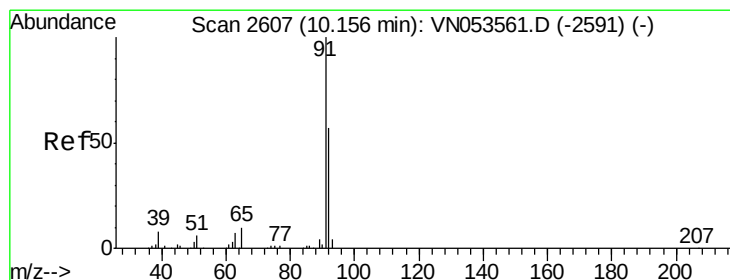
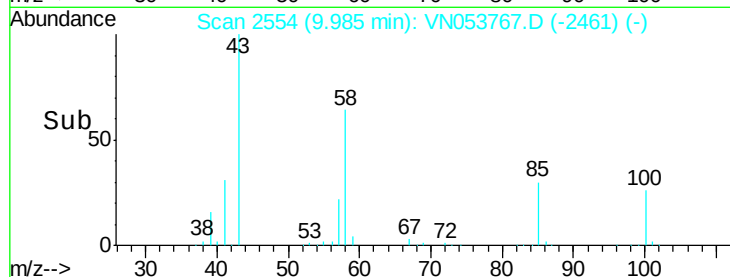
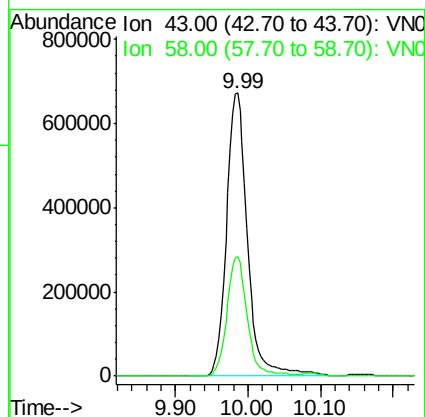
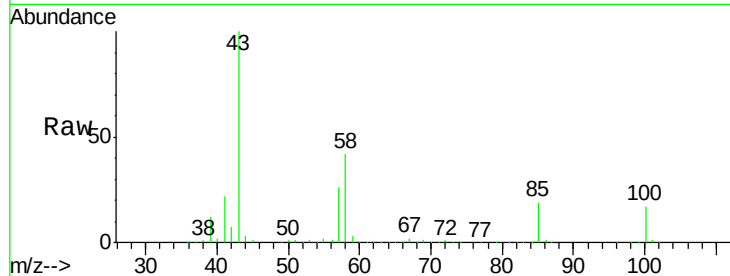
VSTDCCC050EC

Tot Ion: 43 Resp: 1342417

Ion Ratio Lower Upper

43 100

58 41.0 32.8 49.2



#52

Toluene

Concen: 49.695 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053767.D

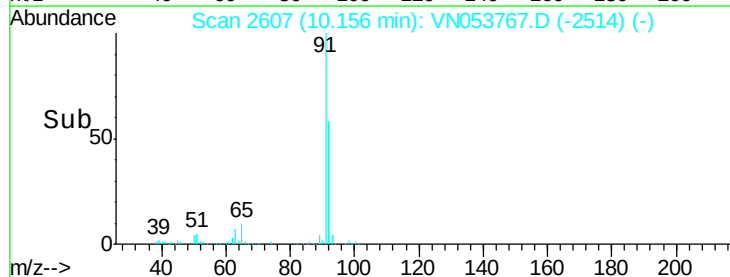
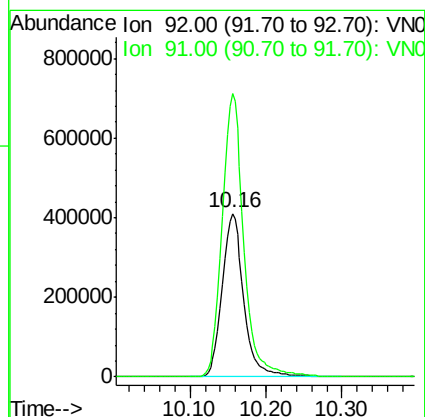
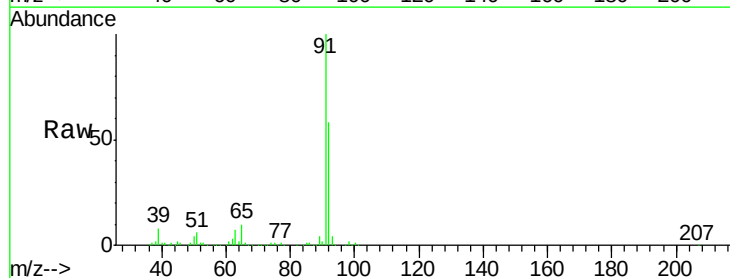
Acq: 13 Feb 2019 20:37

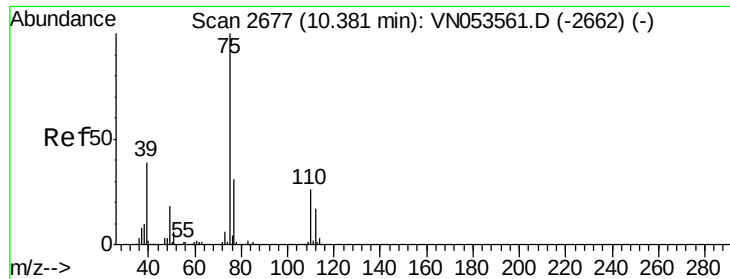
Tgt Ion: 92 Resp: 808685

Ion Ratio Lower Upper

92 100

91 174.3 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 51.303 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

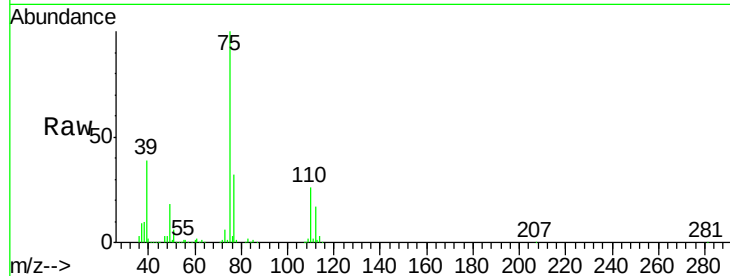
VSTDCCC050EC

Tot Ion: 75 Resp: 451561

Ion Ratio Lower Upper

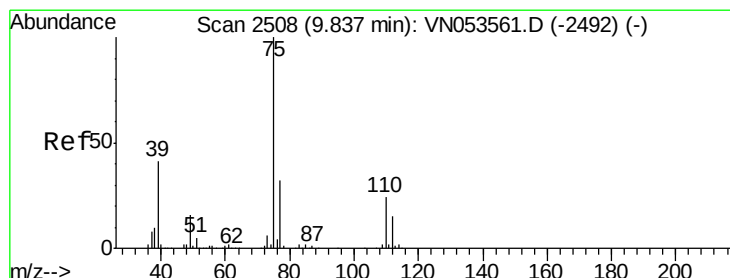
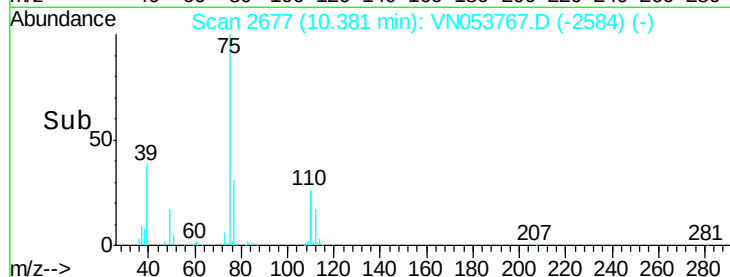
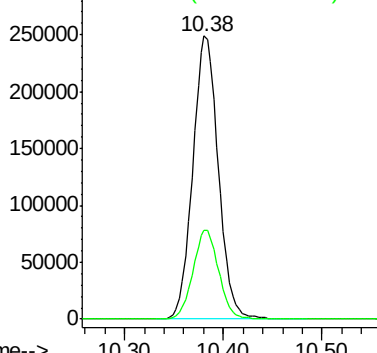
75 100

77 31.4 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.006 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

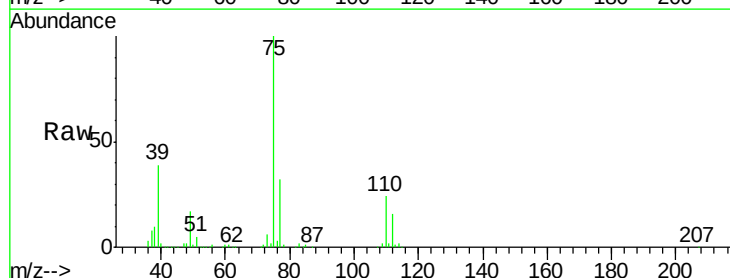
Tgt Ion: 75 Resp: 521565

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

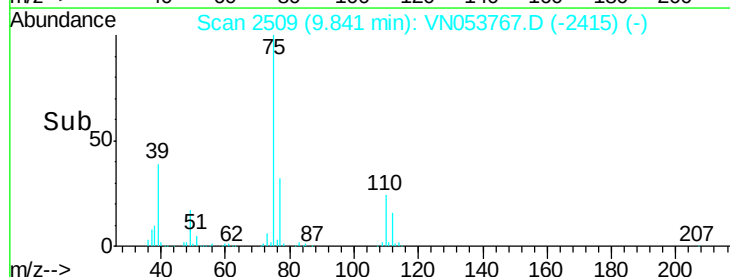
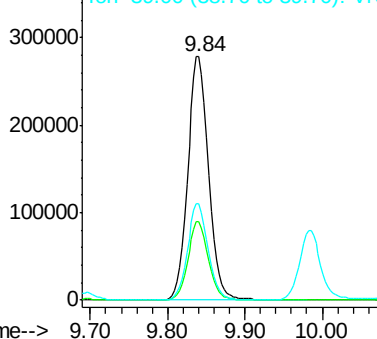
39 39.5 33.4 50.0

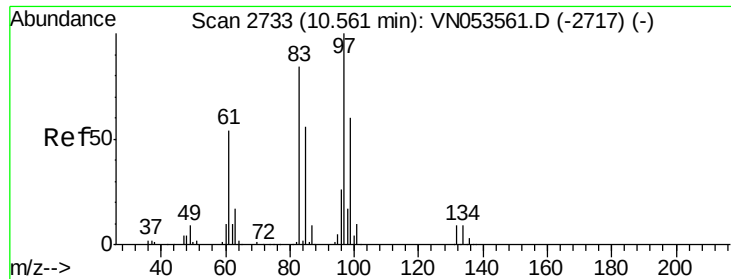


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

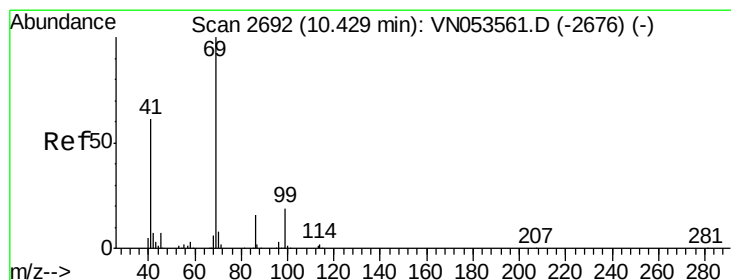
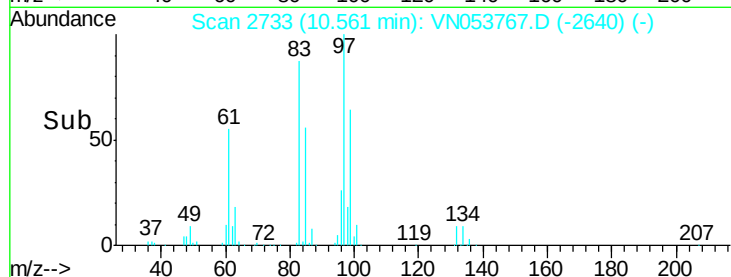
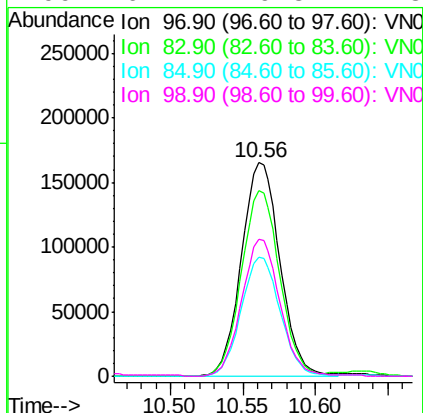
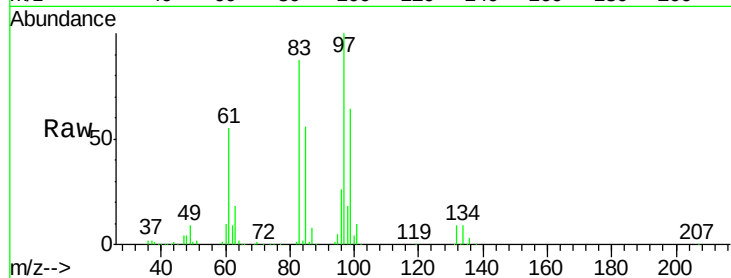




#55
 1,1,2-Trichloroethane
 Concen: 52.222 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

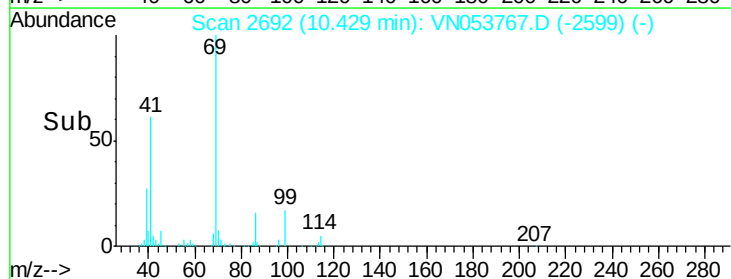
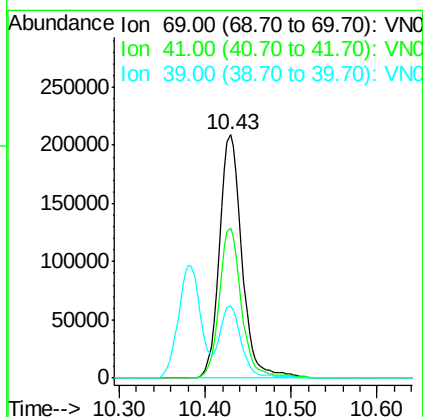
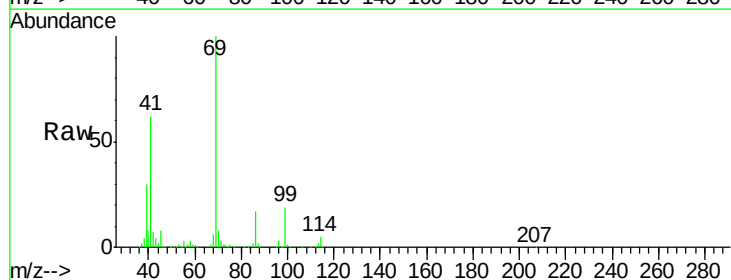
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

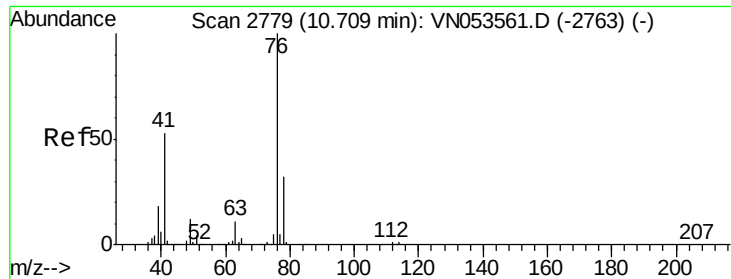
Tot Ion:	97	Resp:	306217
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.1	105.1
85	55.8	45.4	68.0
99	64.1	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 54.990 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion:	69	Resp:	381459
Ion	Ratio	Lower	Upper
69	100		
41	59.8	49.4	74.0
39	28.9	23.3	34.9

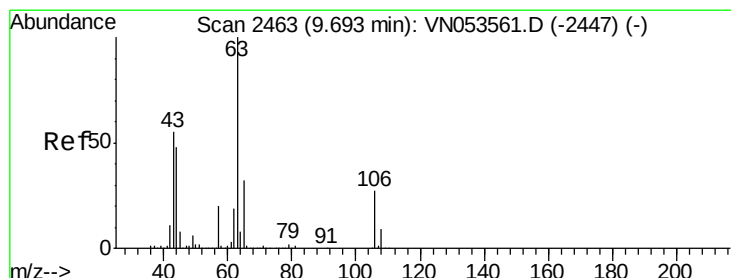
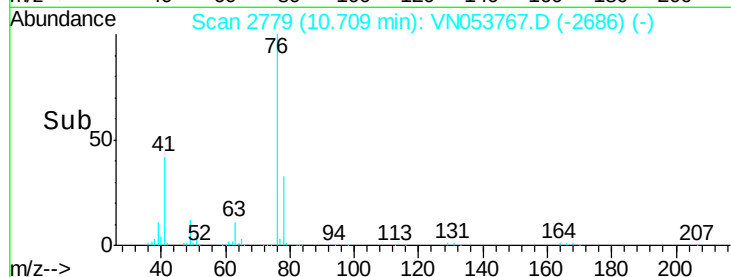
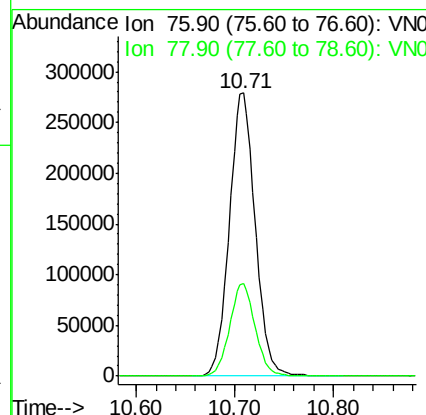
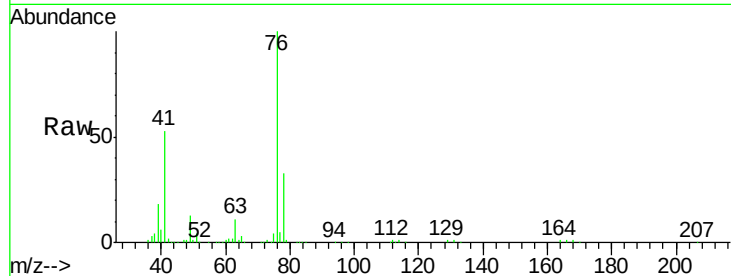




#57
 1,3-Dichloropropane
 Concen: 51.004 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

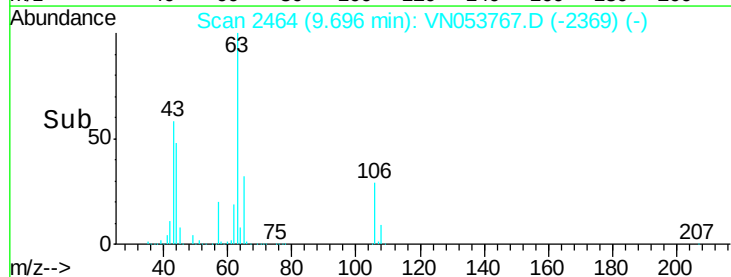
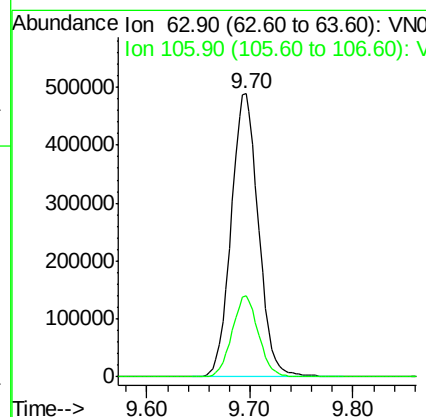
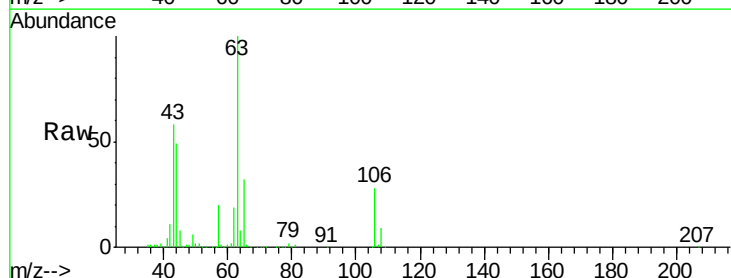
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

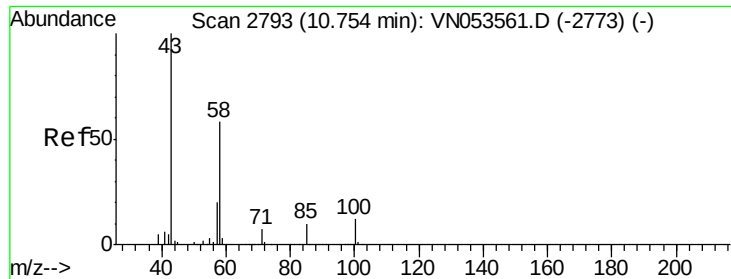
Tot Ion: 76 Resp: 511141
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 210.904 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion: 63 Resp: 901758
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.5 32.3

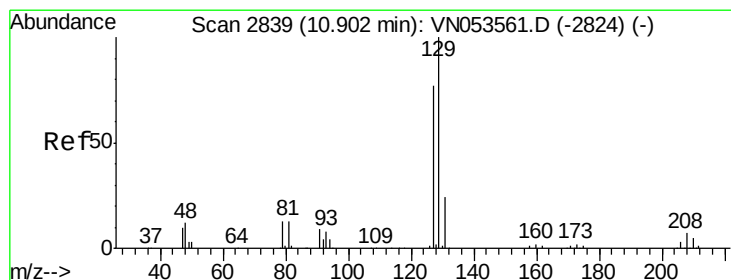
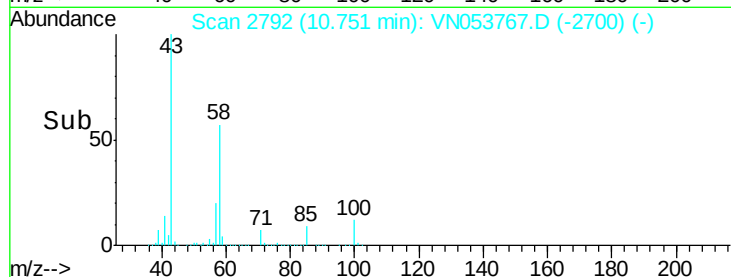
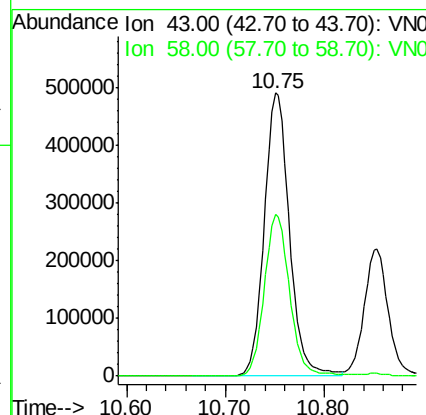
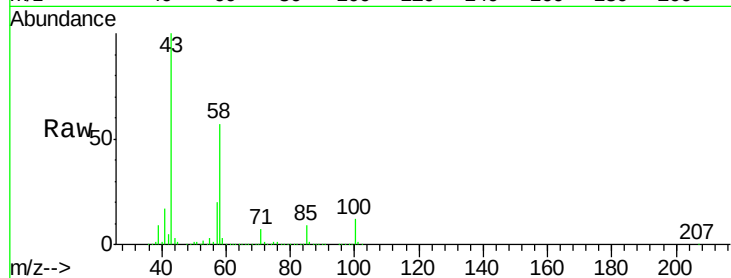




#59
2-Hexanone
Concen: 269.237 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

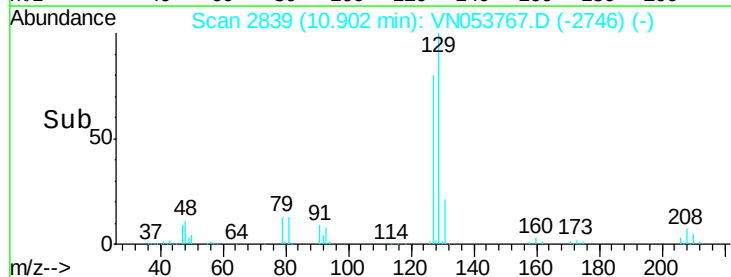
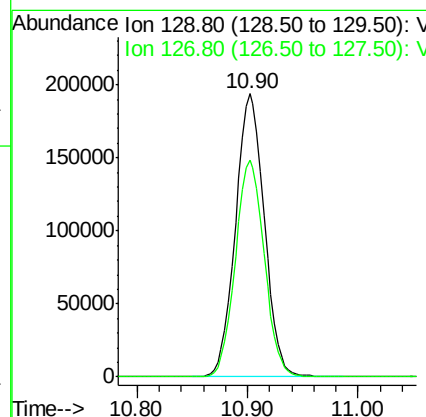
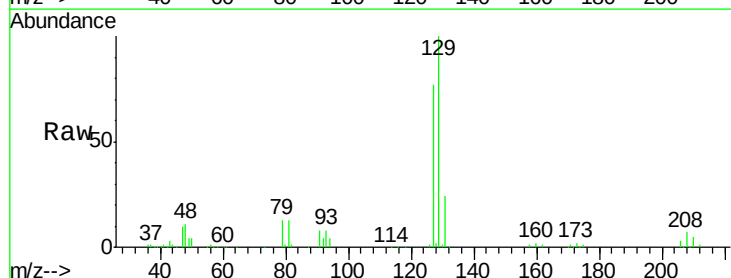
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

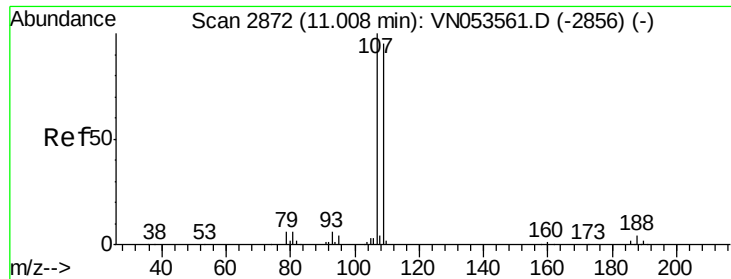
Tot Ion: 43 Resp: 861362
Ion Ratio Lower Upper
43 100
58 57.5 28.6 85.8



#60
Dibromochloromethane
Concen: 53.171 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 129 Resp: 351591
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.566 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

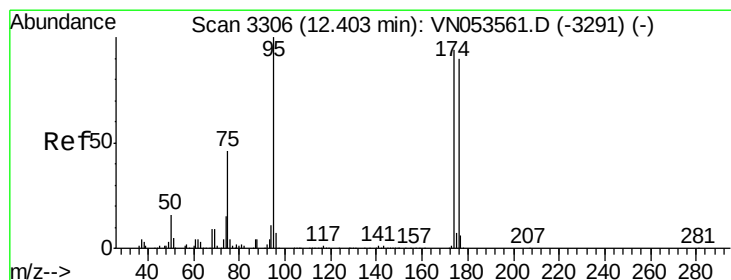
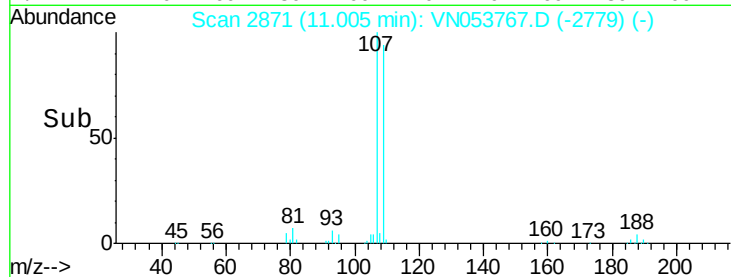
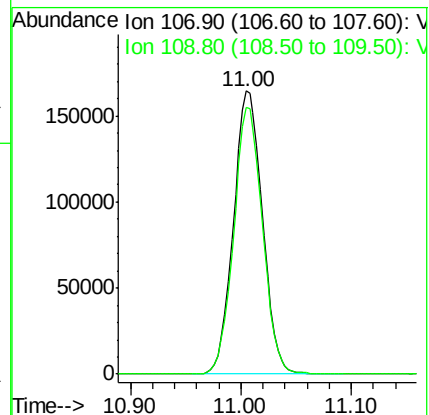
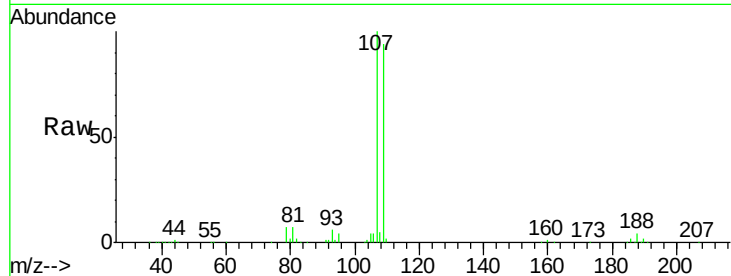
VSTDCCC050EC

Tot Ion:107 Resp: 299279

Ion Ratio Lower Upper

107 100

109 93.8 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 52.595 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

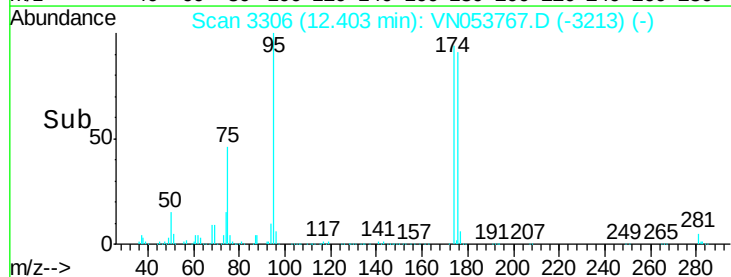
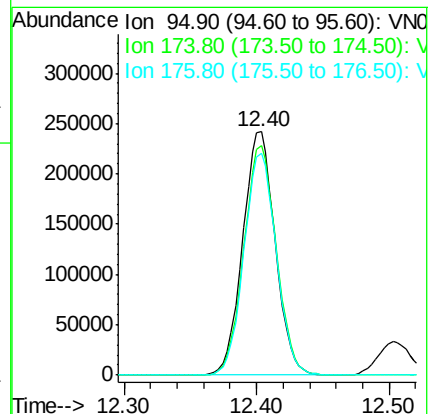
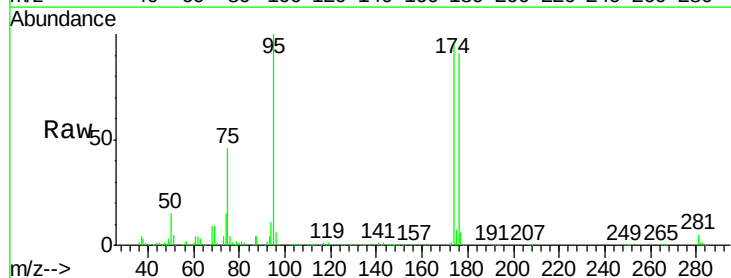
Tgt Ion: 95 Resp: 410501

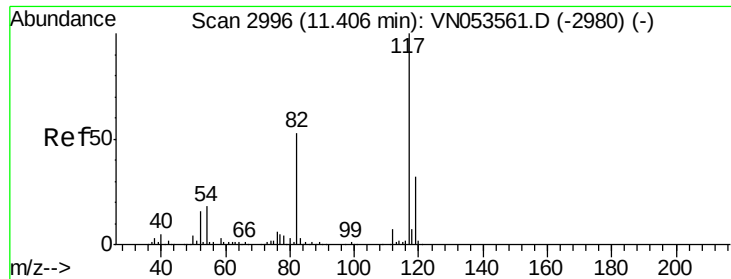
Ion Ratio Lower Upper

95 100

174 94.4 0.0 183.2

176 91.0 0.0 177.4

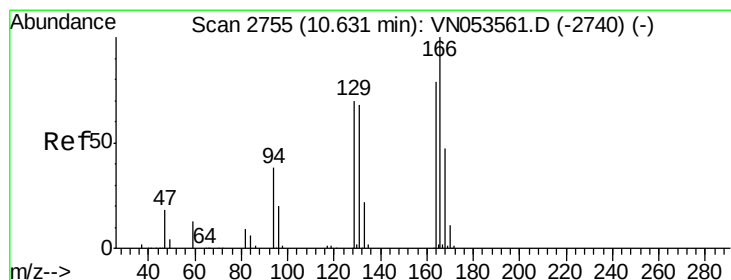
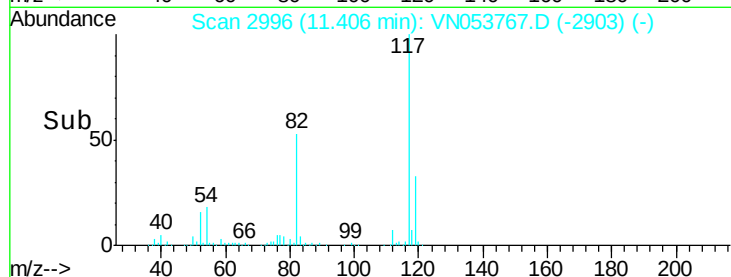
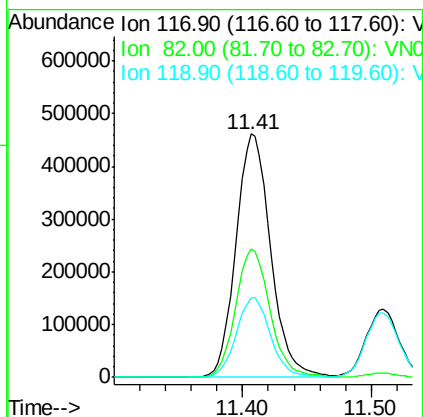
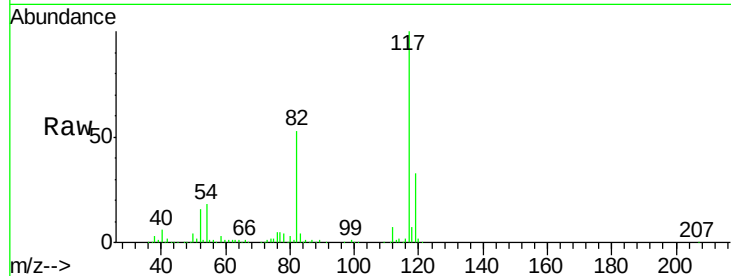




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

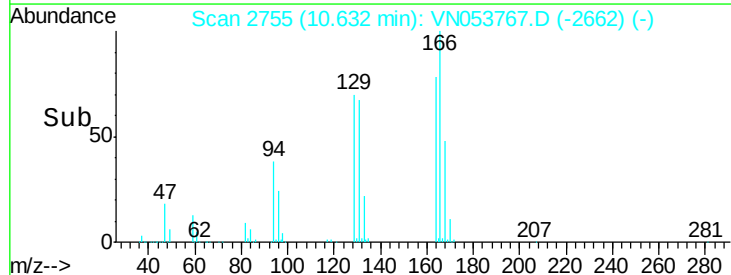
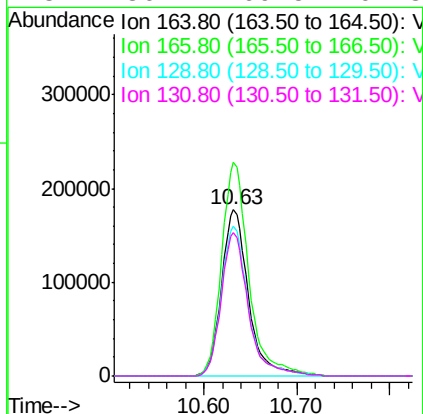
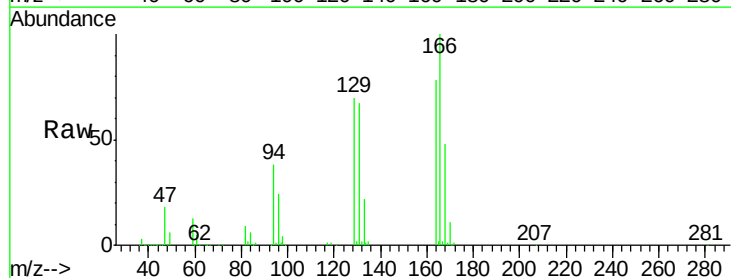
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

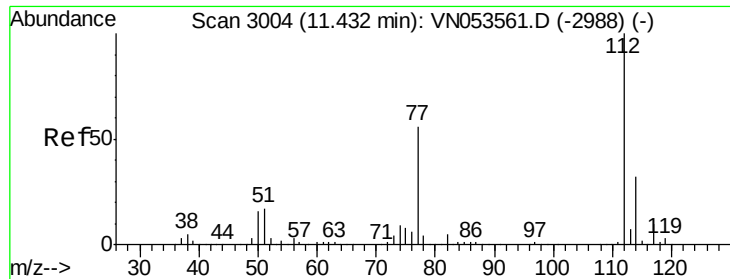
Tot Ion:117 Resp: 864098
Ion Ratio Lower Upper
117 100
82 52.7 42.9 64.3
119 32.8 26.0 39.0



#64
Tetrachloroethene
Concen: 48.337 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion:164 Resp: 358045
Ion Ratio Lower Upper
164 100
166 128.5 102.2 153.4
129 90.2 72.6 109.0
131 86.4 69.5 104.3

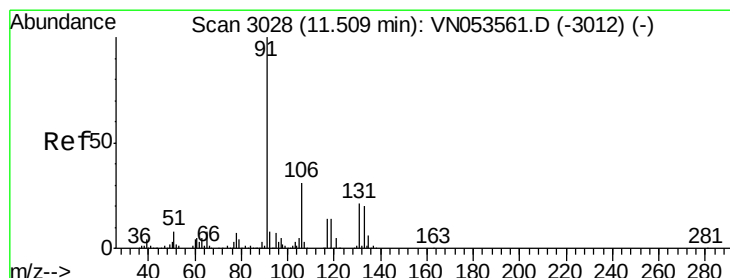
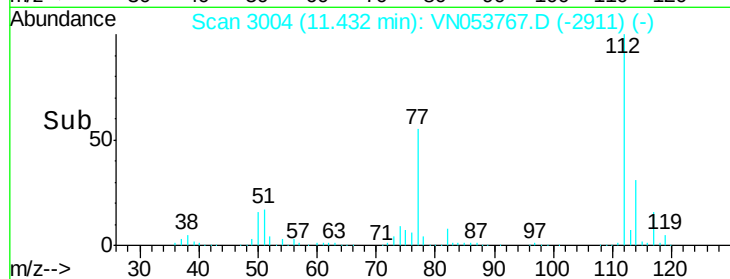
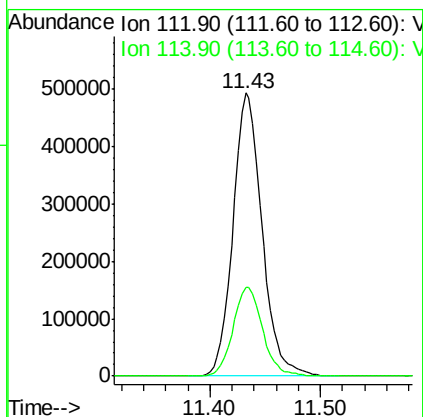
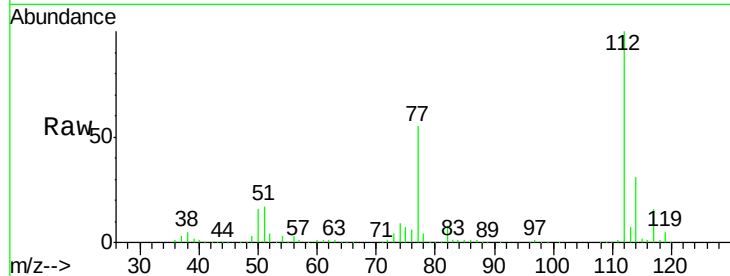




#65
Chlorobenzene
Concen: 48.944 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

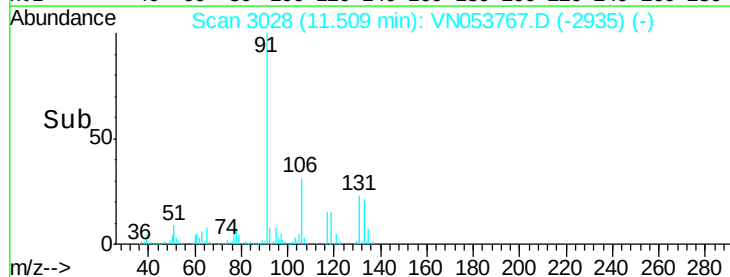
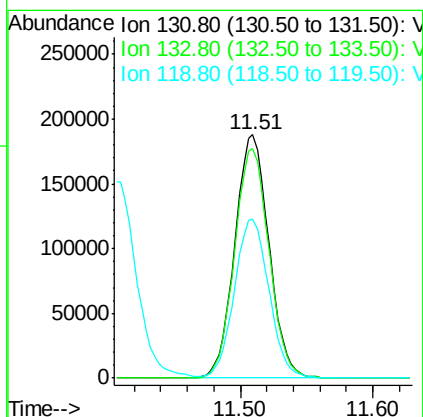
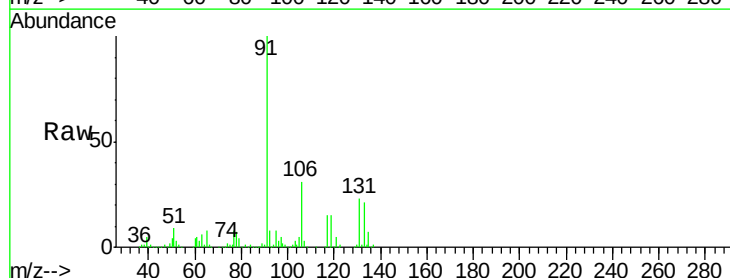
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

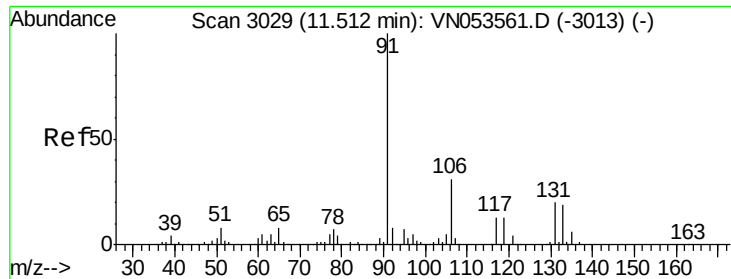
Tot Ion:112 Resp: 898334
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.380 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion:131 Resp: 335757
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 66.4 33.5 100.5

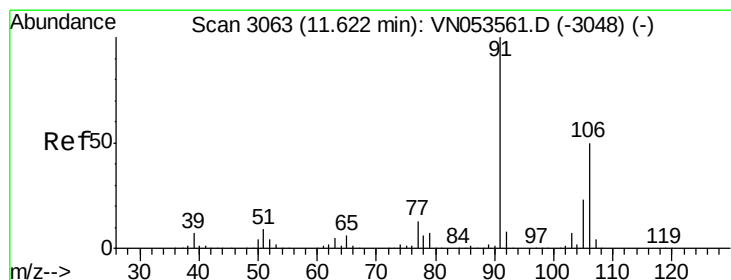
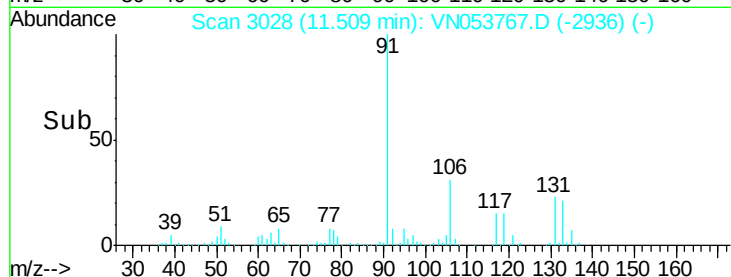
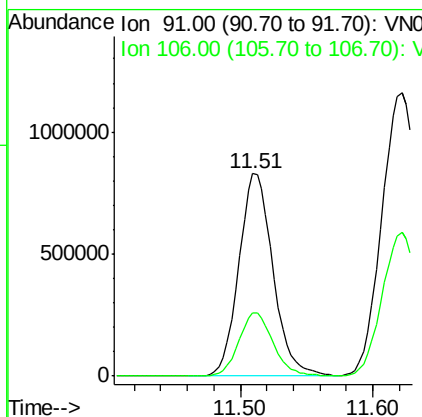
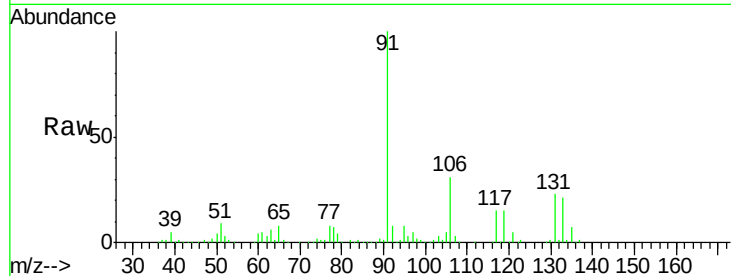




#67
Ethyl Benzene
Concen: 49.373 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

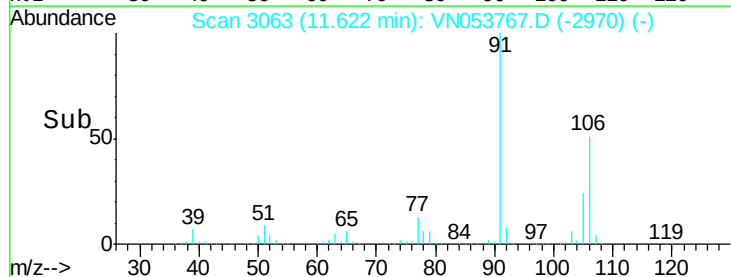
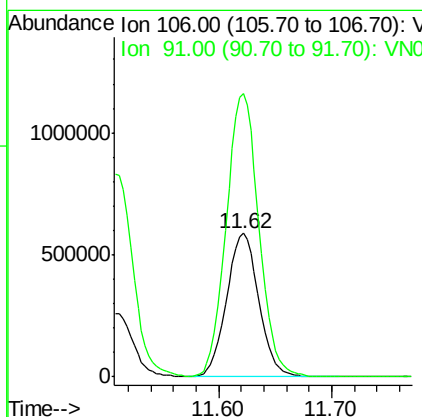
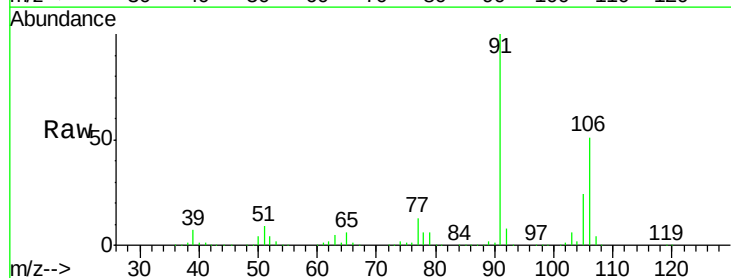
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

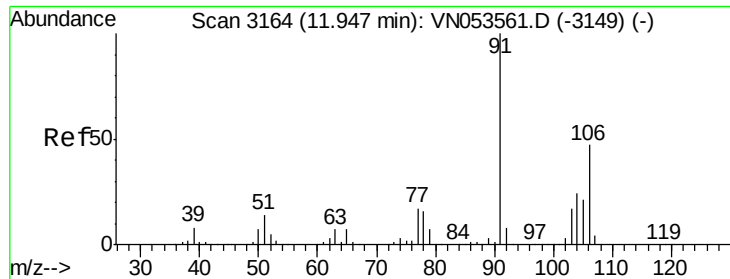
Tot Ion: 91 Resp: 1488611
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6



#68
m/p-Xylenes
Concen: 101.085 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 106 Resp: 1163224
Ion Ratio Lower Upper
106 100
91 199.8 161.4 242.2

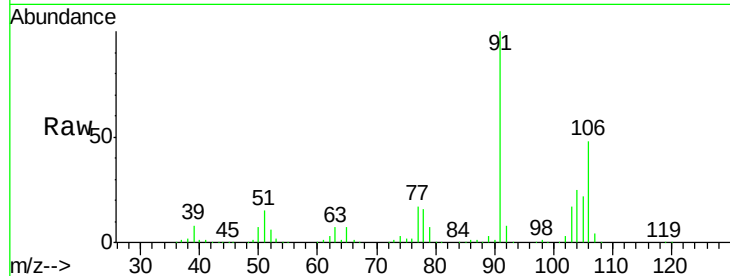




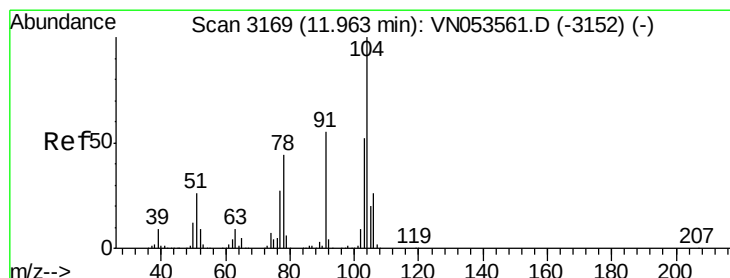
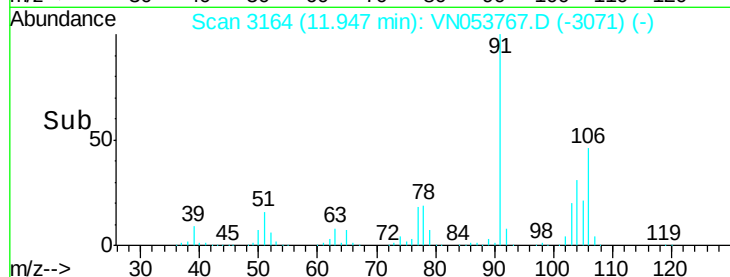
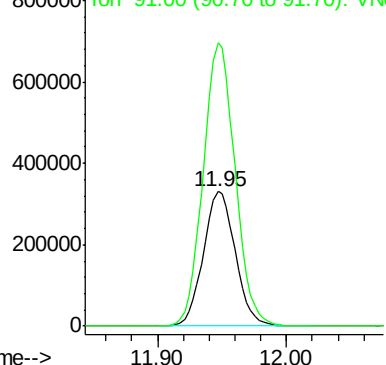
#69
o-Xylene
Concen: 51.128 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 568403
Ion Ratio Lower Upper
106 100
91 210.6 106.9 320.8

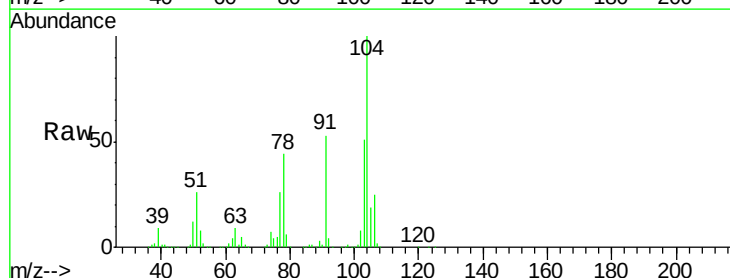


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

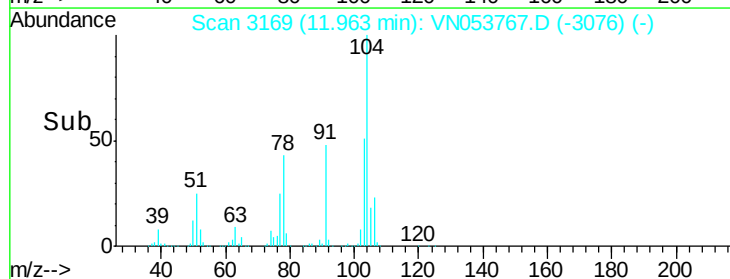
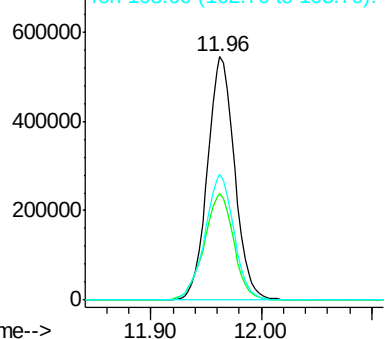


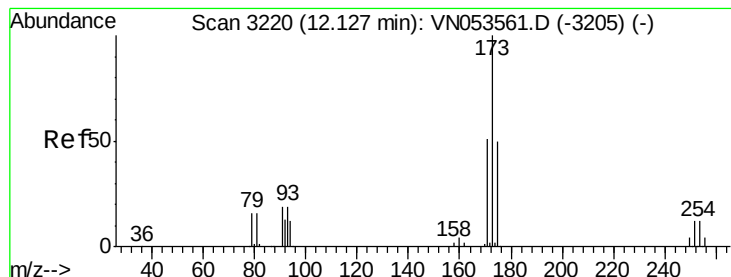
#70
Styrene
Concen: 51.616 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion:104 Resp: 930073
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 55.0 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 56.317 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

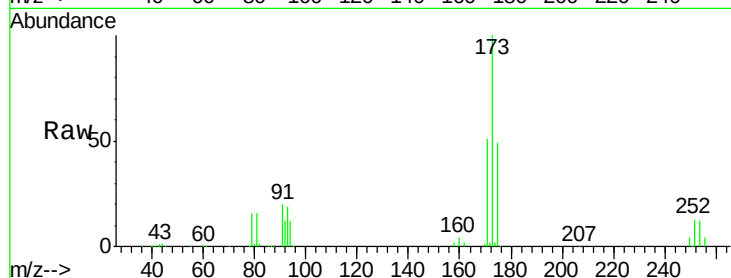
Tot Ion:173 Resp: 247488

Ion Ratio Lower Upper

173 100

175 48.8 24.6 74.0

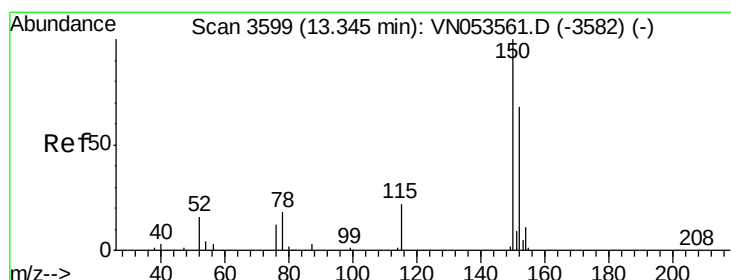
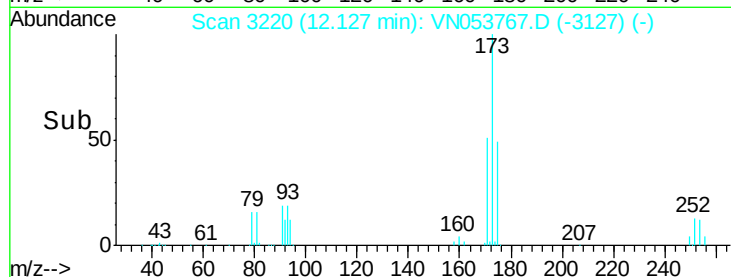
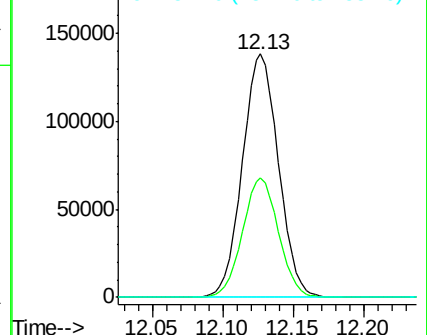
254 0.1 0.2 0.2#



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: VN053767.D

Acq: 13 Feb 2019 20:37

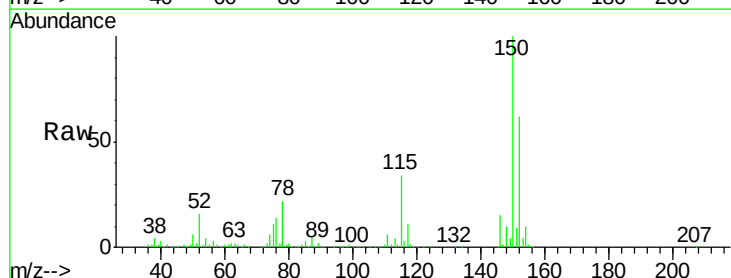
Tgt Ion:152 Resp: 439199

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.4

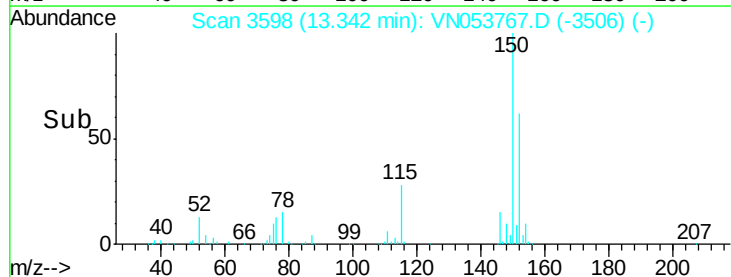
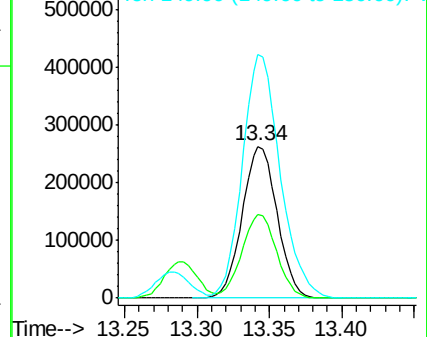
150 174.0 0.0 349.0

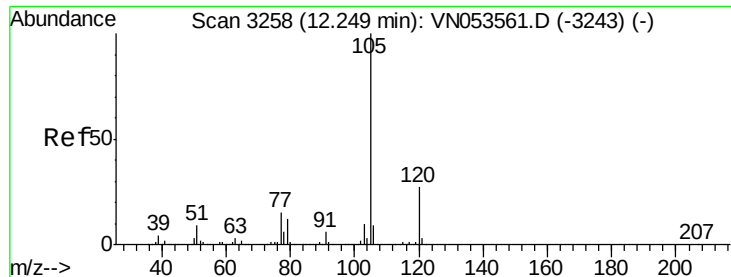


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.543 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

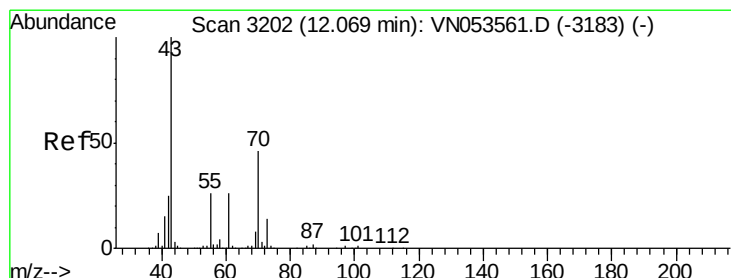
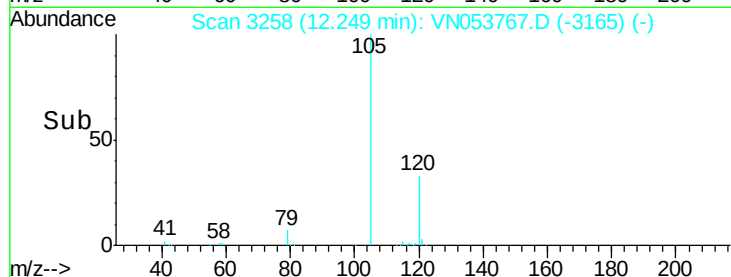
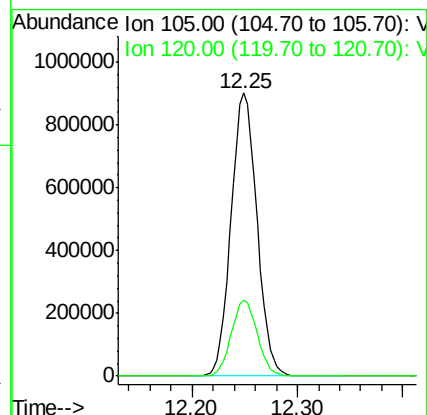
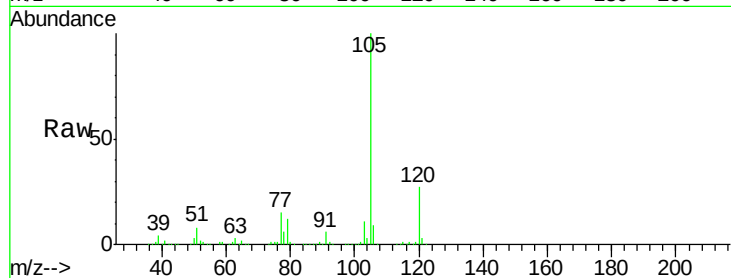
VSTDCCC050EC

Tot Ion:105 Resp: 1529652

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



#74

N-ethyl acetate

Concen: 52.850 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Tgt Ion: 43 Resp: 392379

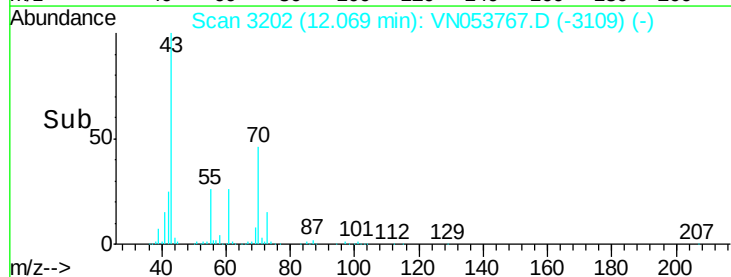
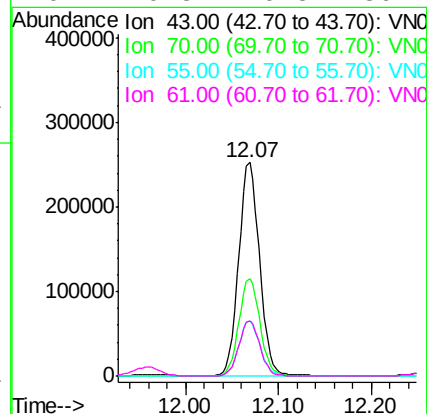
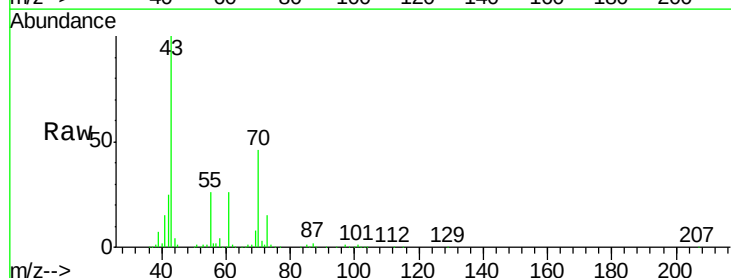
Ion Ratio Lower Upper

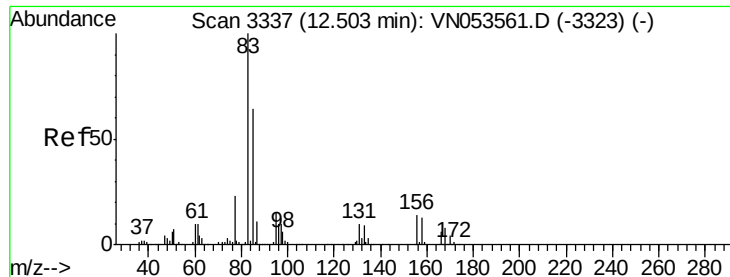
43 100

70 46.2 35.4 53.2

55 26.5 20.9 31.3

61 26.3 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 53.914 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

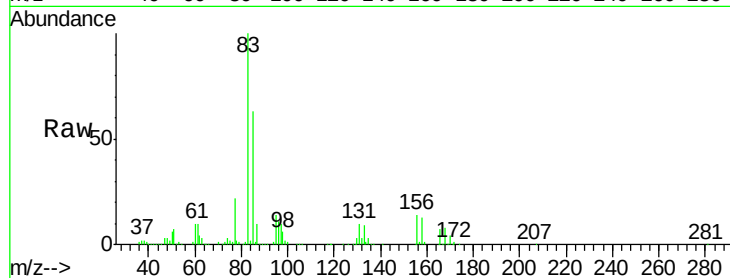
Tot Ion: 83 Resp: 398383

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

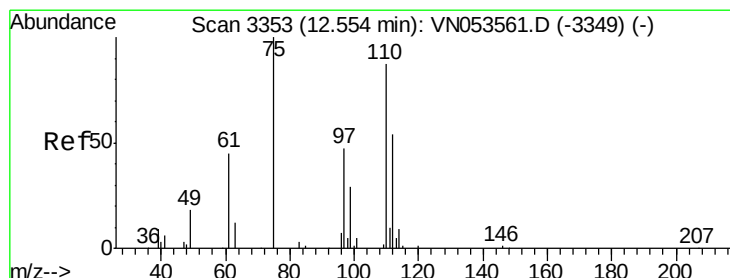
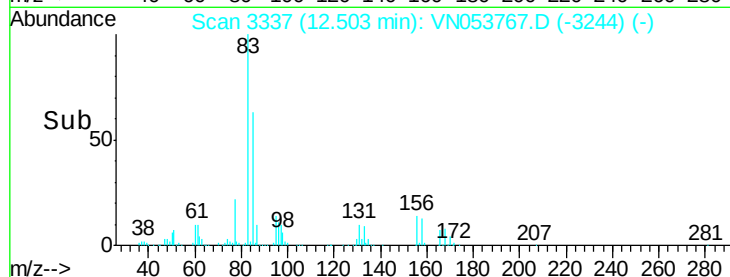
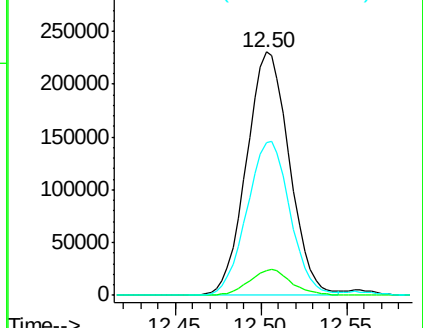
85 63.7 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053767.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053767.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053767.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 85.899 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053767.D

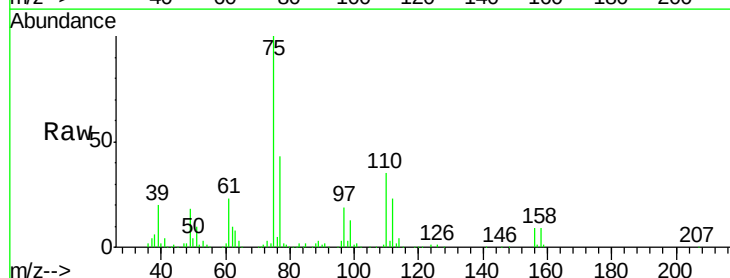
Acq: 13 Feb 2019 20:37

Tgt Ion: 75 Resp: 484576

Ion Ratio Lower Upper

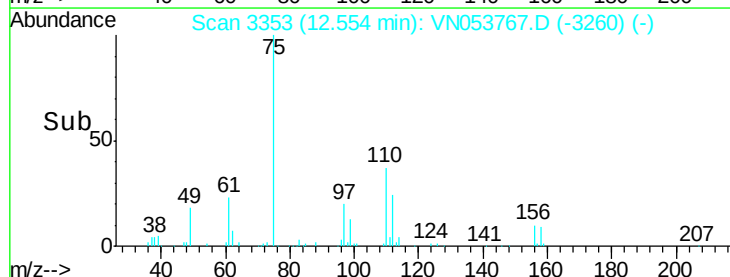
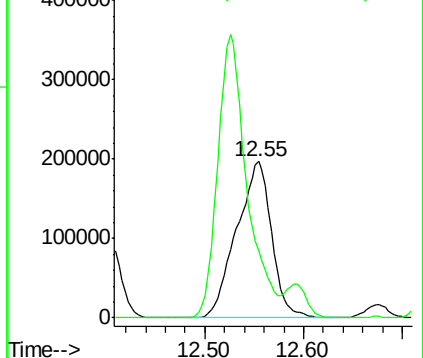
75 100

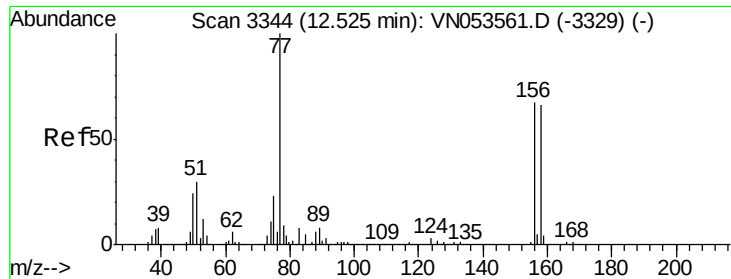
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053767.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053767.D (-3260) (-)





#77

Bromobenzene

Concen: 51.623 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

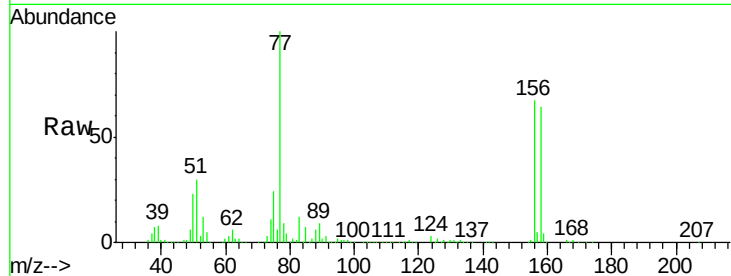
Tot Ion:156 Resp: 429561

Ion Ratio Lower Upper

156 100

77 172.8 87.9 263.8

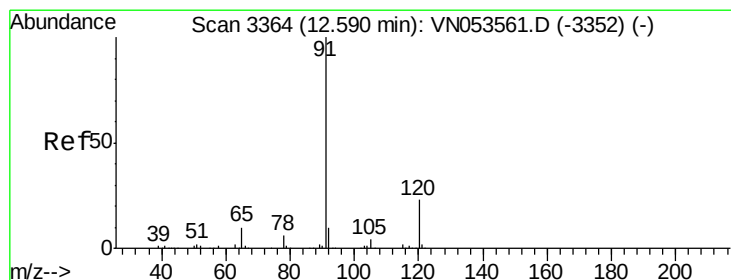
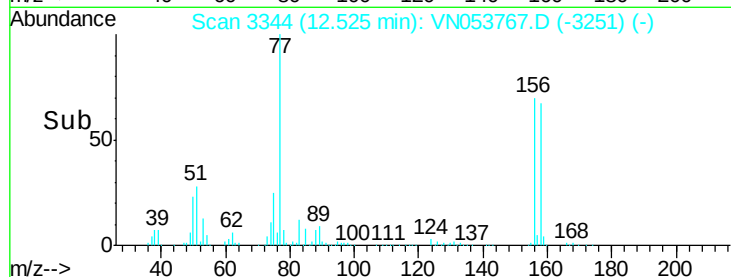
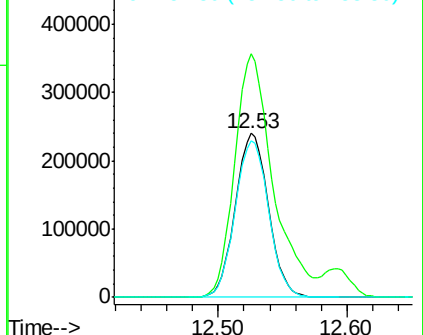
158 96.3 48.8 146.4



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: 51.199 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053767.D

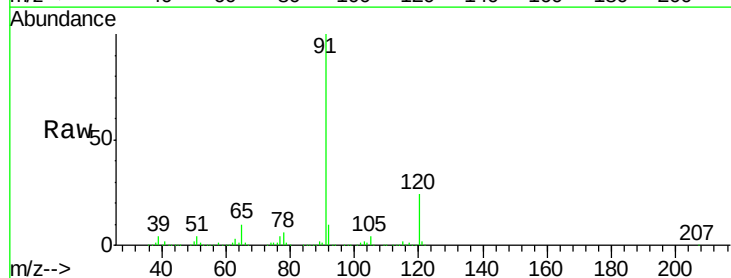
Acq: 13 Feb 2019 20:37

Tgt Ion: 91 Resp: 1827377

Ion Ratio Lower Upper

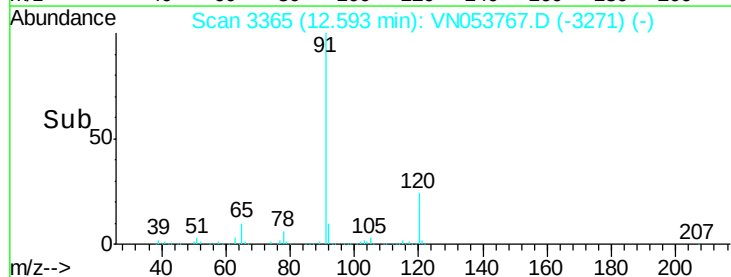
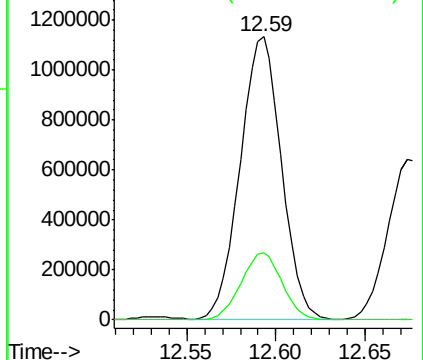
91 100

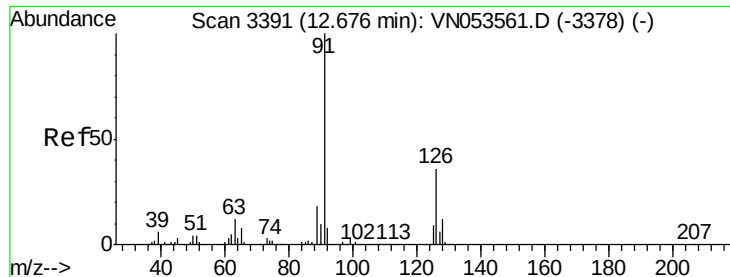
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.251 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

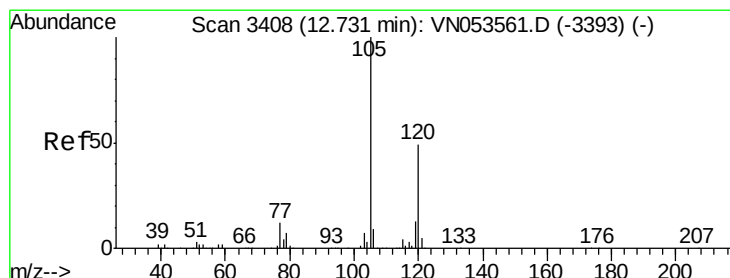
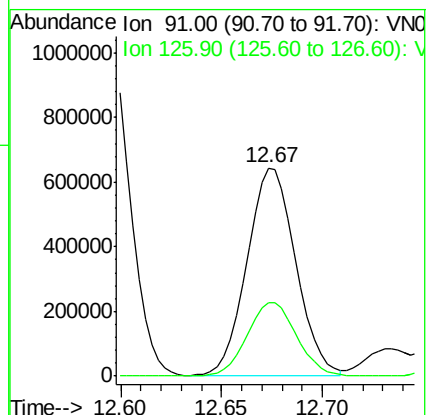
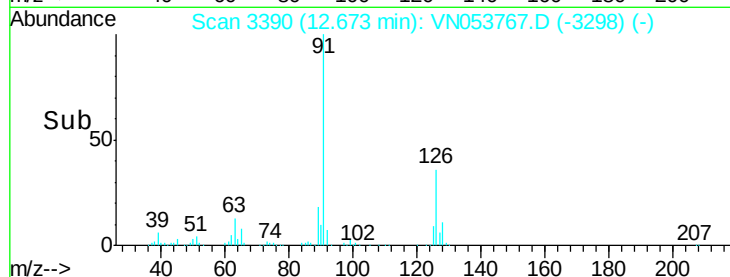
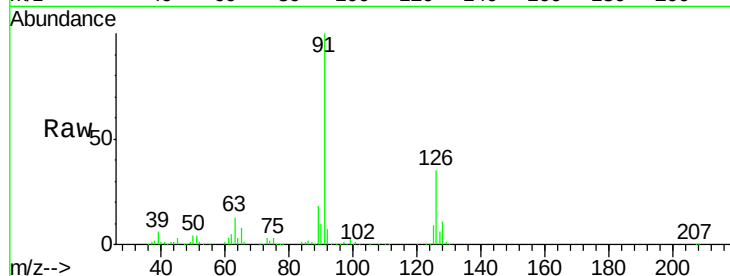
VSTDCCC050EC

Tot Ion: 91 Resp: 1085266

Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 53.394 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053767.D

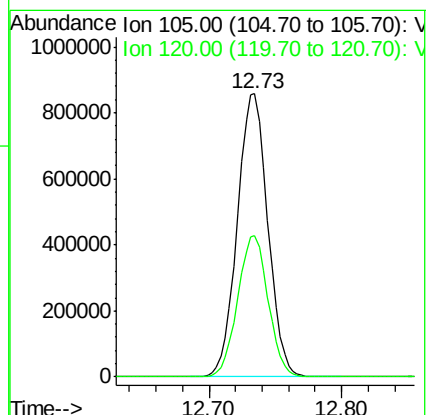
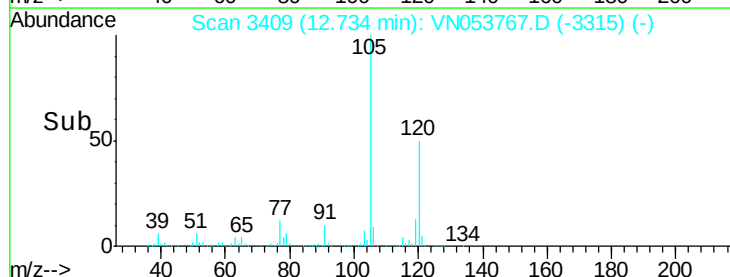
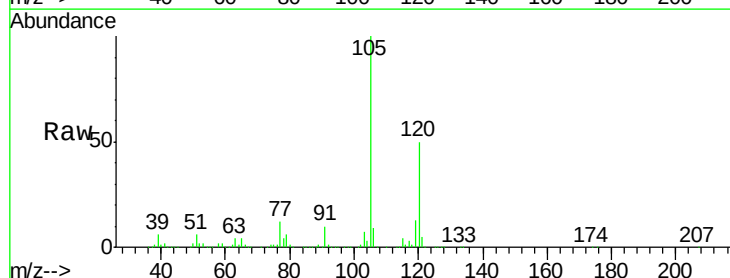
Acq: 13 Feb 2019 20:37

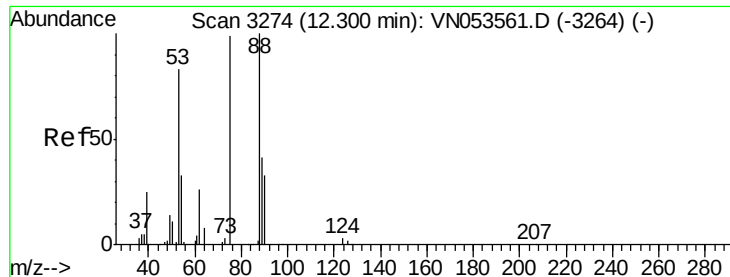
Tgt Ion: 105 Resp: 1367058

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6

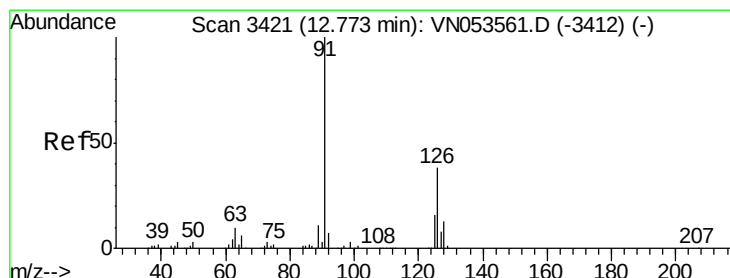
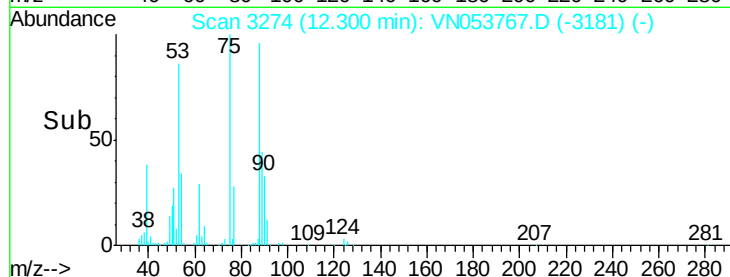
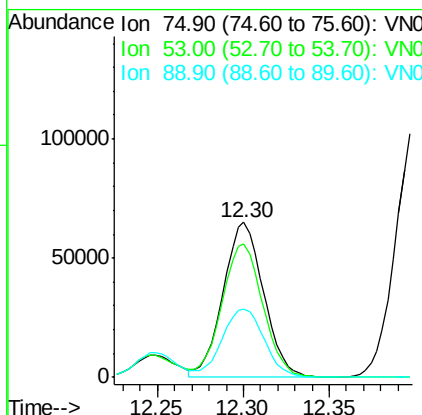
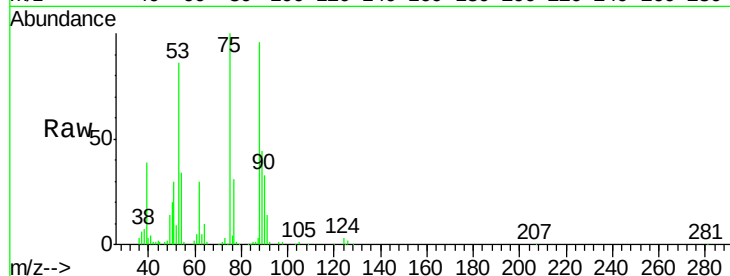




#81
trans-1,4-Dichloro-2-butene
Concen: 52.819 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

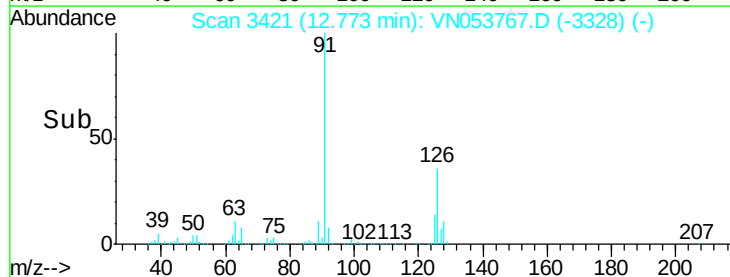
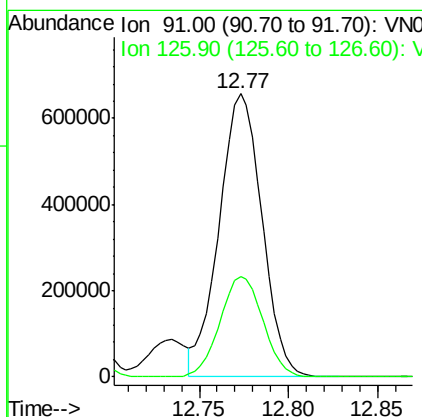
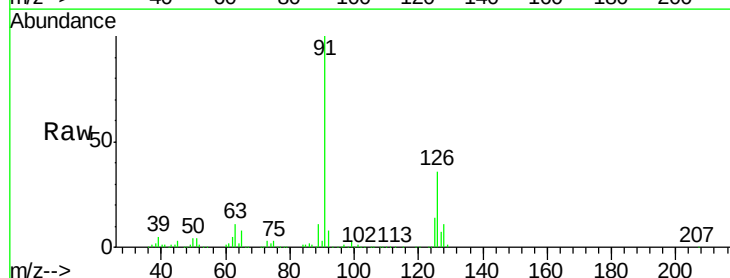
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

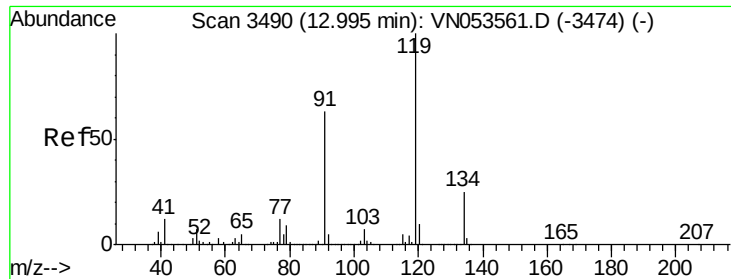
Tot Ion: 75 Resp: 105964
Ion Ratio Lower Upper
75 100
53 88.0 69.8 104.6
89 46.0 35.6 53.4



#82
4-Chlorotoluene
Concen: 50.373 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 91 Resp: 1094546
Ion Ratio Lower Upper
91 100
126 35.6 17.6 52.9

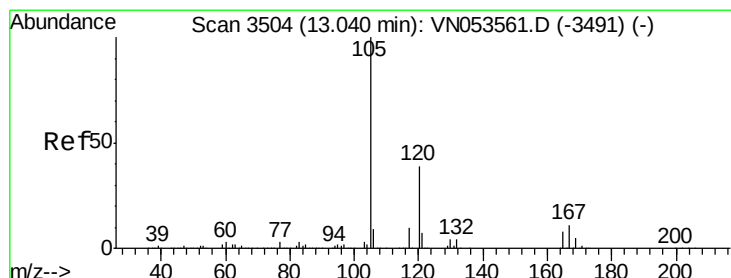
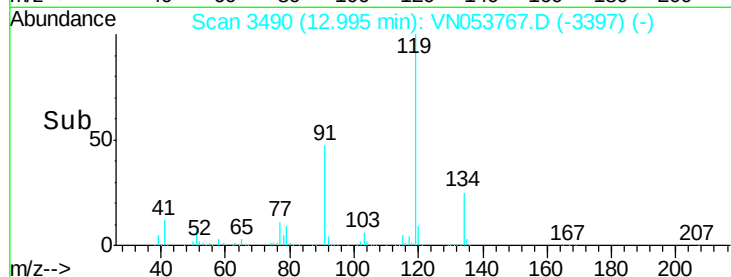
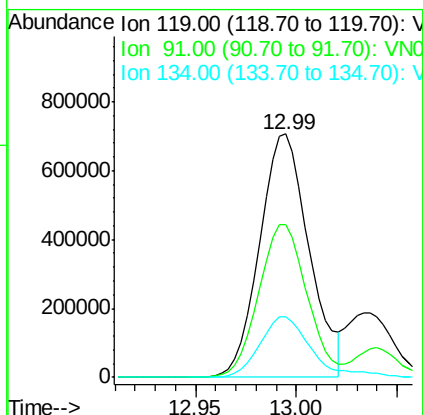
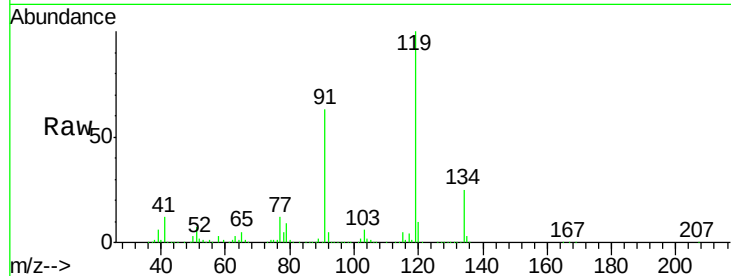




#83
 tert-Butylbenzene
 Concen: 53.218 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

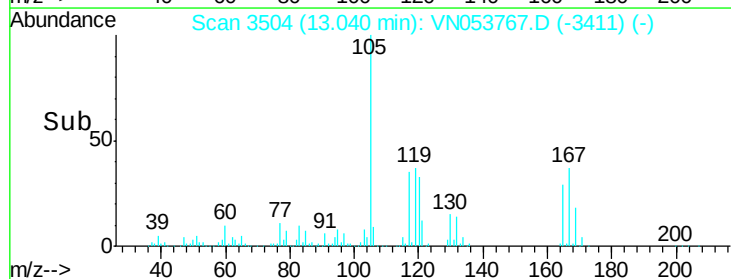
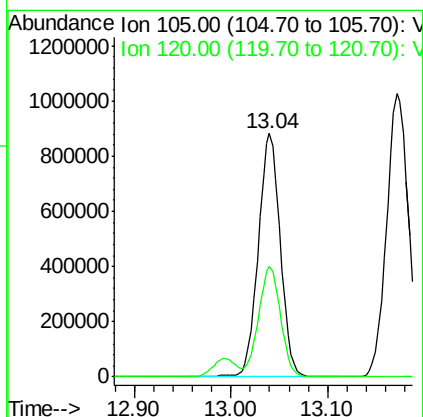
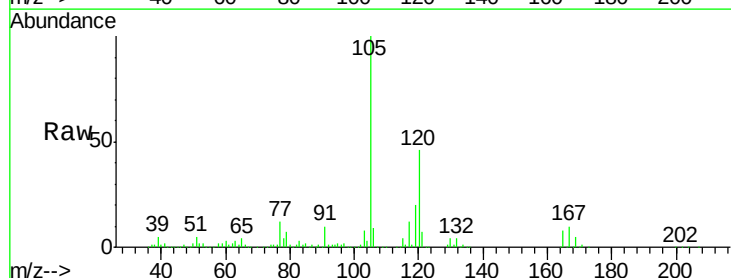
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

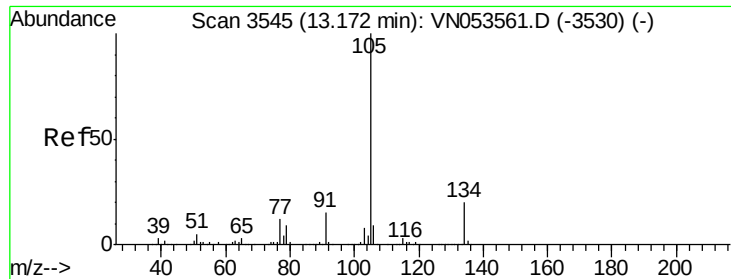
Tot Ion:119 Resp: 1204237
 Ion Ratio Lower Upper
 119 100
 91 61.2 31.3 93.8
 134 26.0 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 53.104 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion:105 Resp: 1385191
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 52.230 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

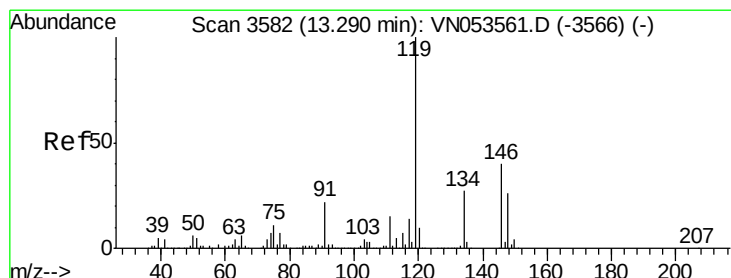
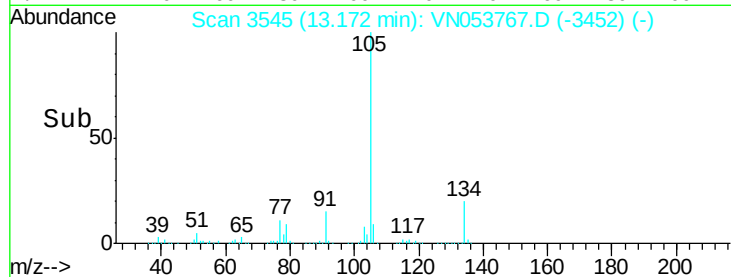
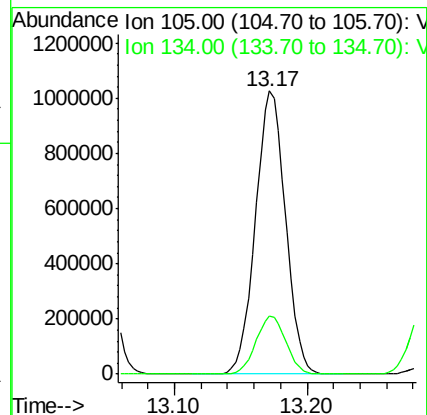
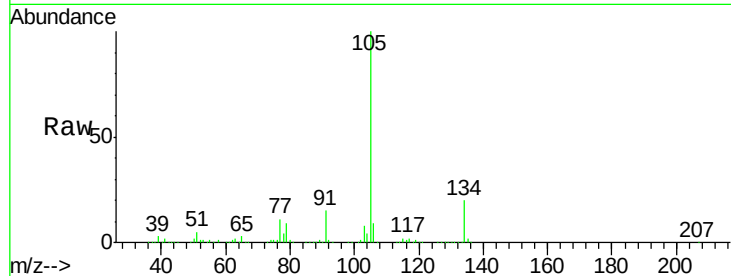
VSTDCCC050EC

Tot Ion:105 Resp: 1608326

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6



#86

p-Isopropyltoluene

Concen: 51.904 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

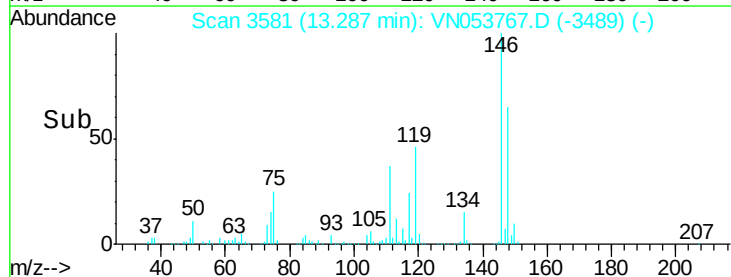
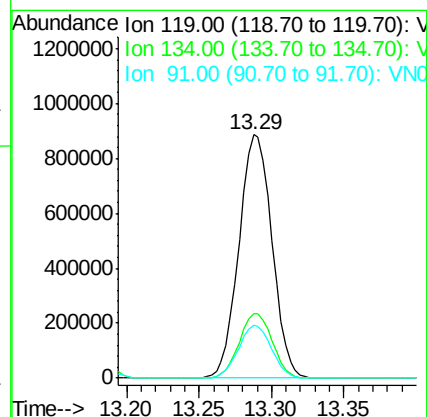
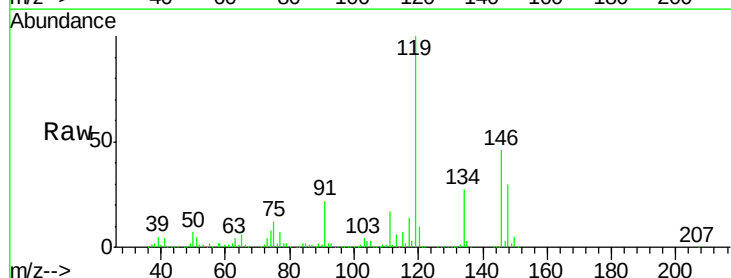
Tgt Ion:119 Resp: 1397840

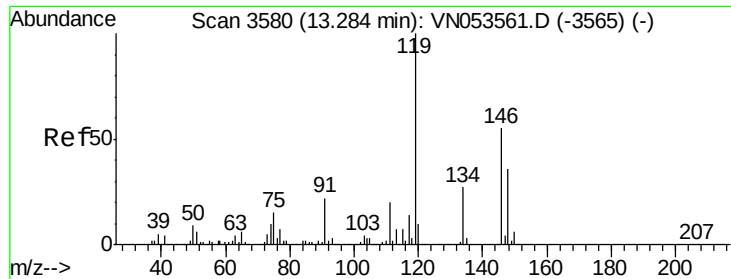
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 21.7 11.0 33.0

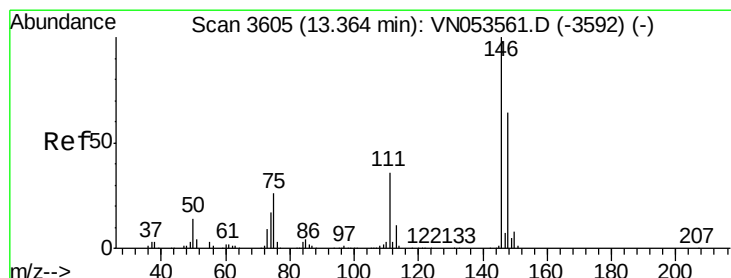
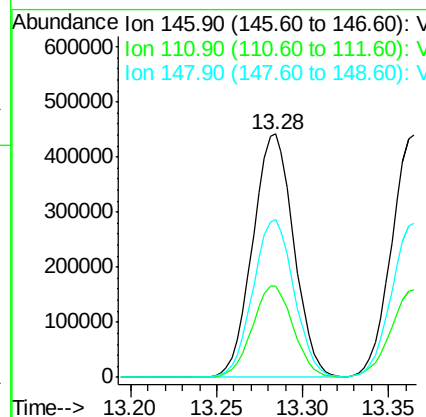
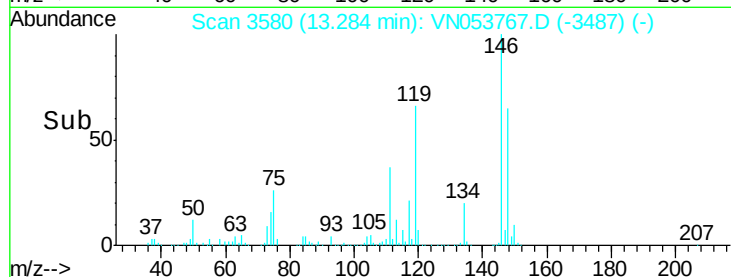
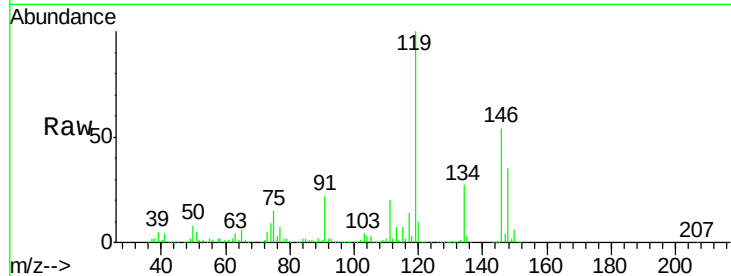




#87
 1,3-Dichlorobenzene
 Concen: 48.995 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

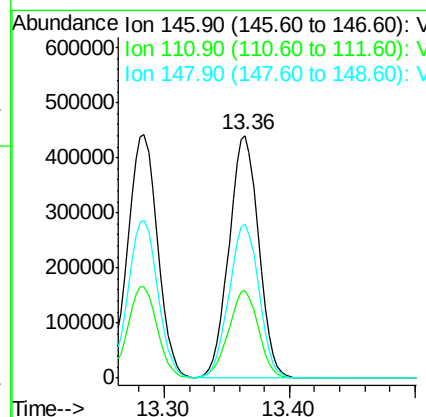
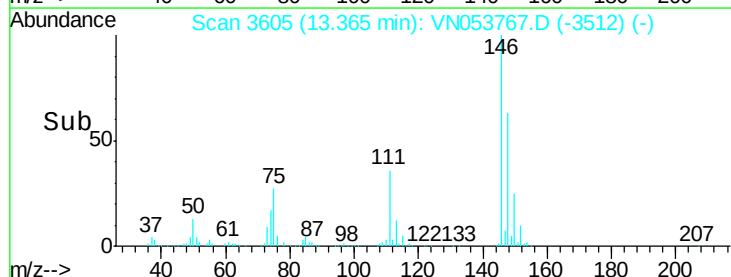
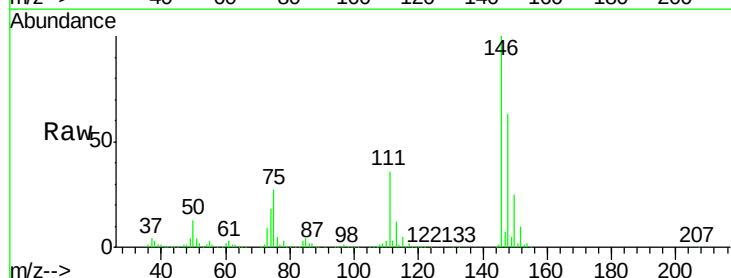
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

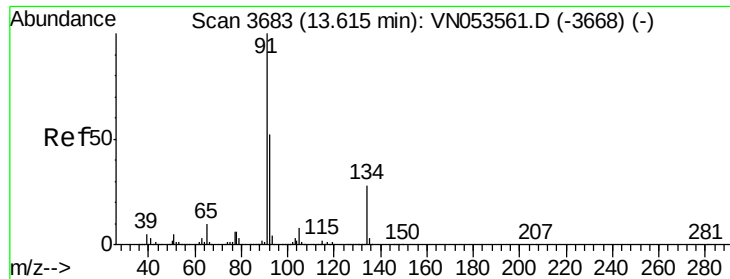
Tot Ion:146 Resp: 732886
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.8 56.3
 148 64.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 48.936 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion:146 Resp: 724087
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.6 55.8
 148 63.9 32.4 97.0

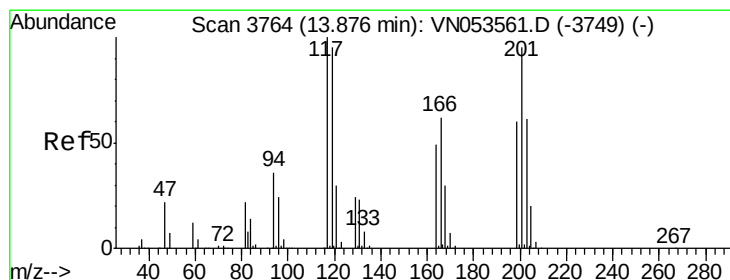
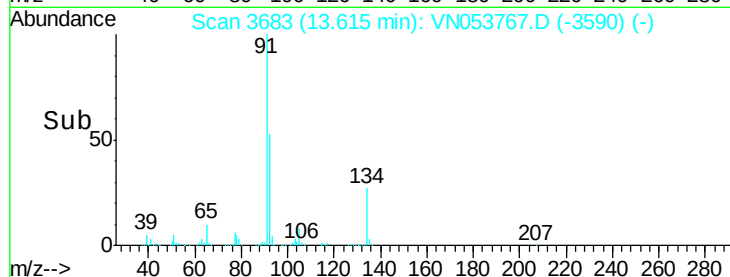
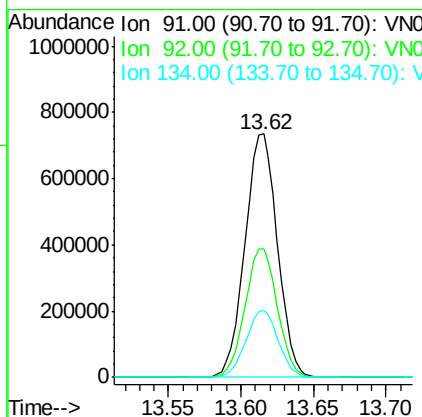
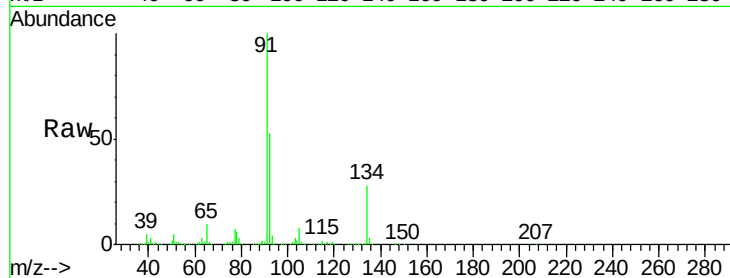




#89
n-Butylbenzene
Concen: 49.105 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

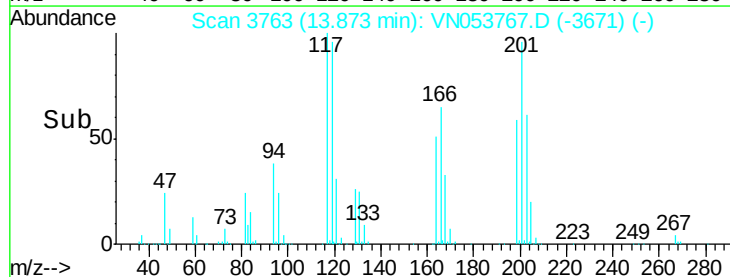
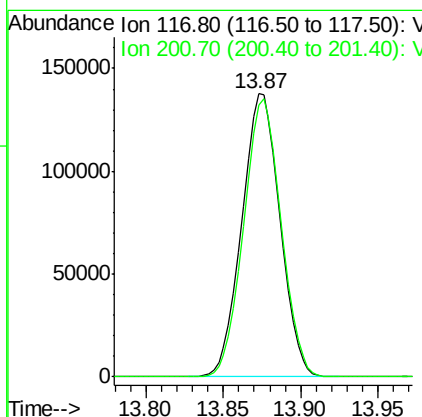
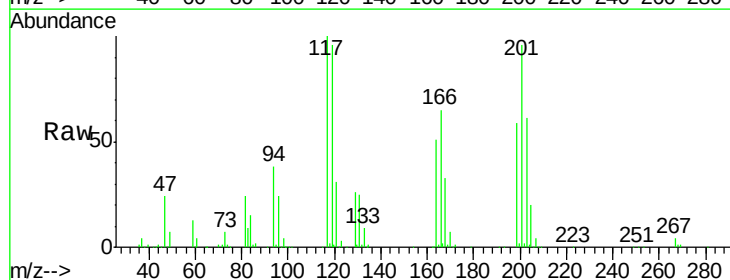
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

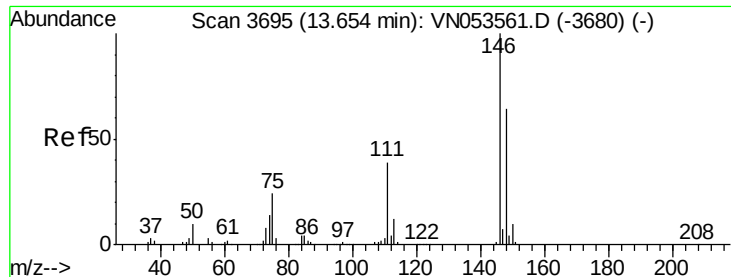
Tot Ion: 91 Resp: 1144677
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.8
134 27.3 13.5 40.5



#90
Hexachloroethane
Concen: 53.288 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053767.D
Acq: 13 Feb 2019 20:37

Tgt Ion: 117 Resp: 236715
Ion Ratio Lower Upper
117 100
201 96.2 46.8 140.4

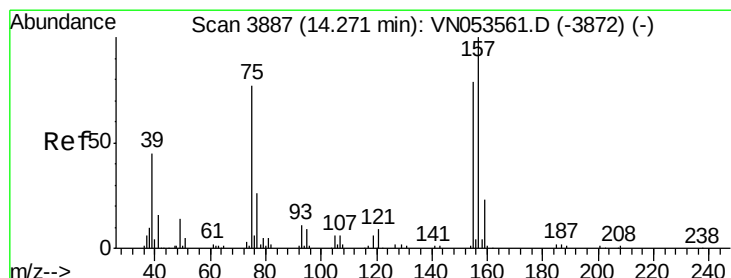
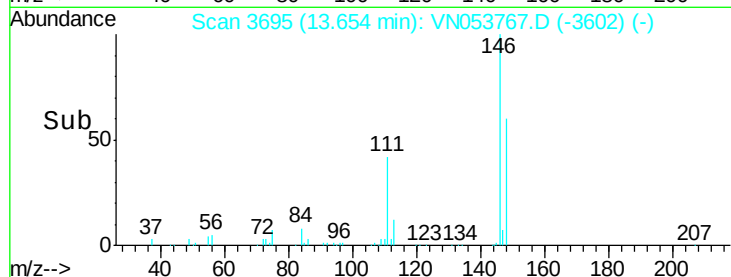
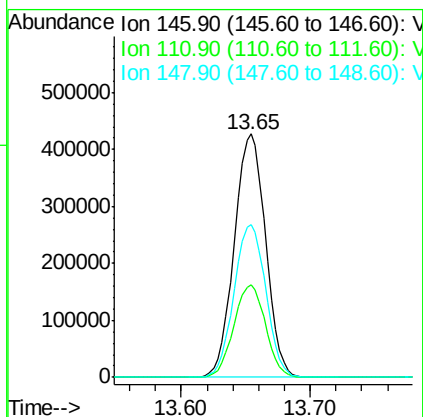
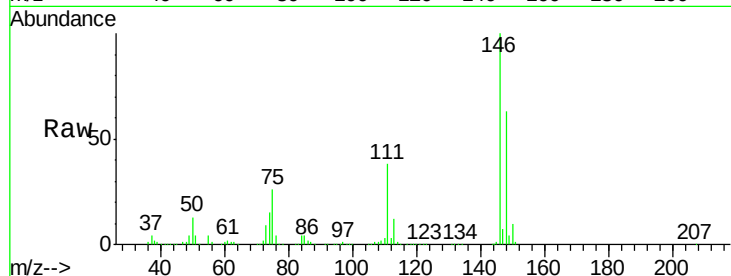




#91
 1,2-Dichlorobenzene
 Concen: 50.232 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

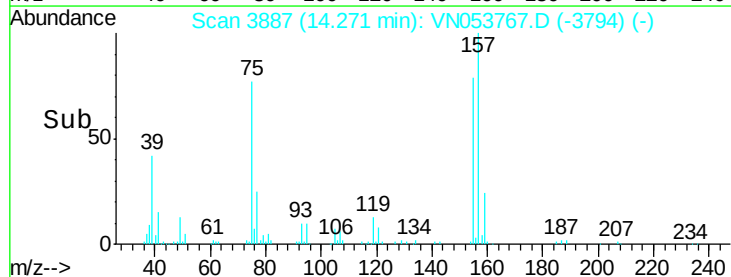
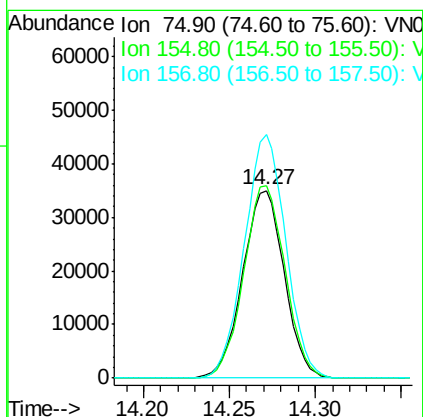
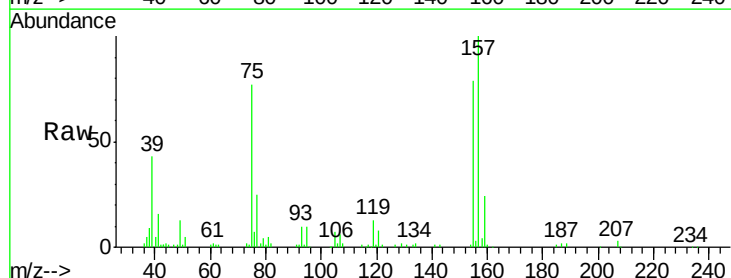
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

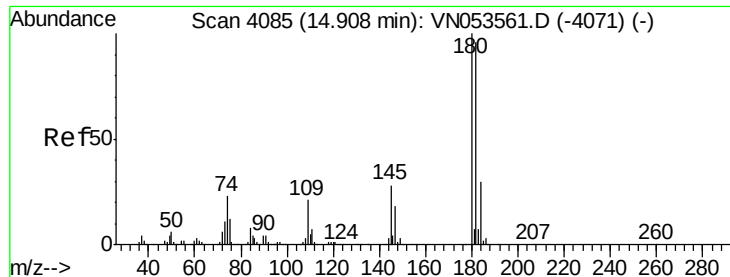
Tot Ion:146 Resp: 719333
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.5 58.5
 148 63.8 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.703 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion: 75 Resp: 58660
 Ion Ratio Lower Upper
 75 100
 155 102.0 48.9 146.7
 157 129.4 63.7 191.3

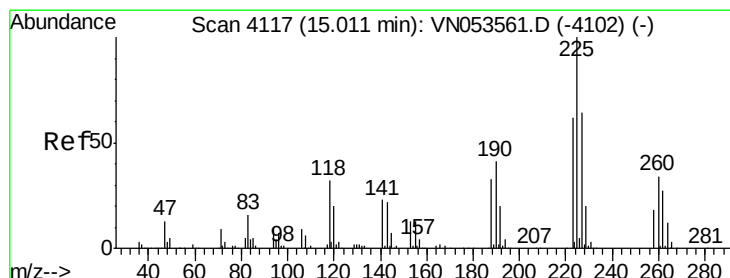
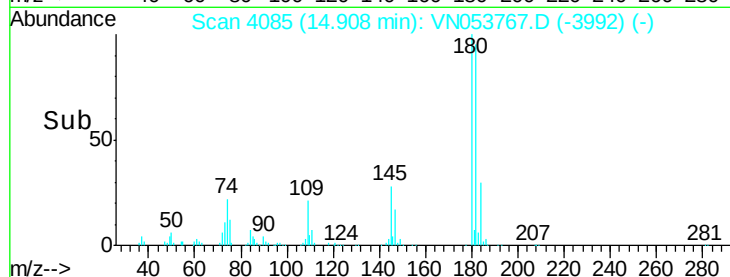
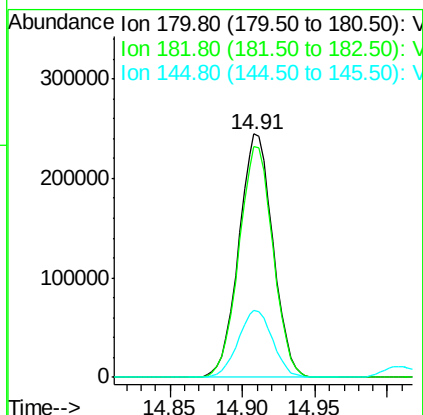
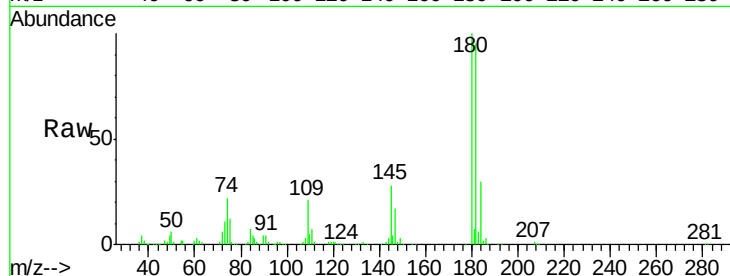




#93
 1,2,4-Trichlorobenzene
 Concen: 48.598 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

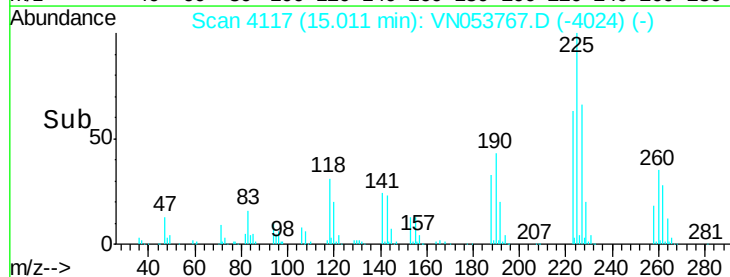
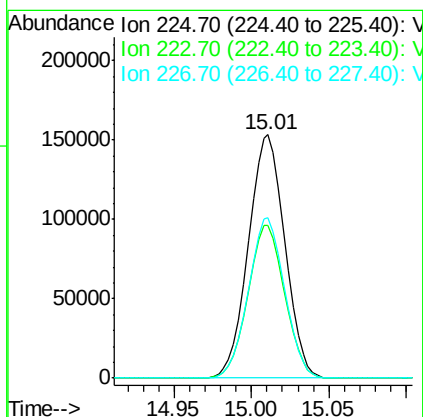
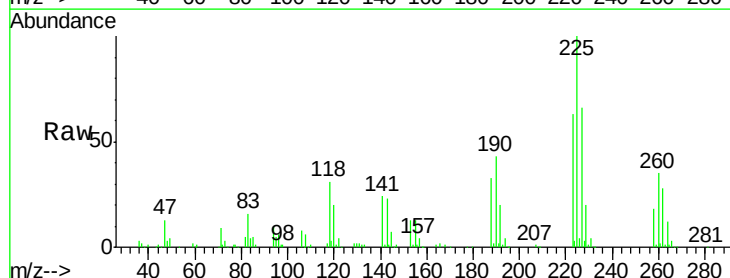
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

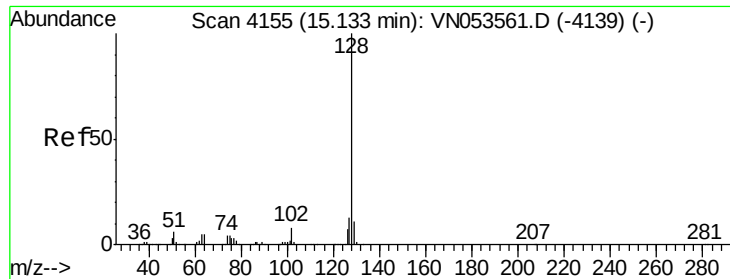
Tot Ion:180 Resp: 399145
 Ion Ratio Lower Upper
 180 100
 182 95.0 48.1 144.3
 145 27.9 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 49.208 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053767.D
 Acq: 13 Feb 2019 20:37

Tgt Ion:225 Resp: 251689
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.1 93.2
 227 65.5 32.0 96.2





#95

Naphthalene

Concen: 43.501 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

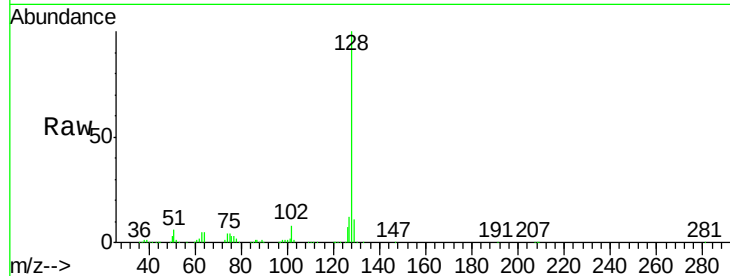
Tot Ion:128 Resp: 834760

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.9 8.6 13.0

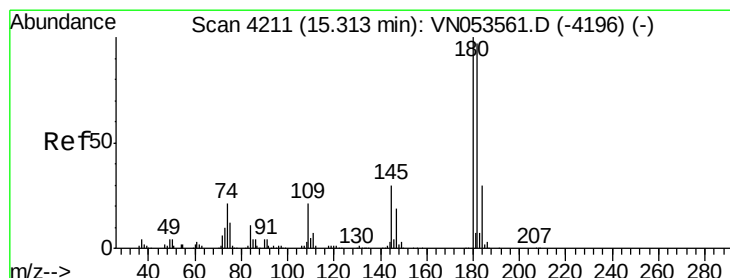
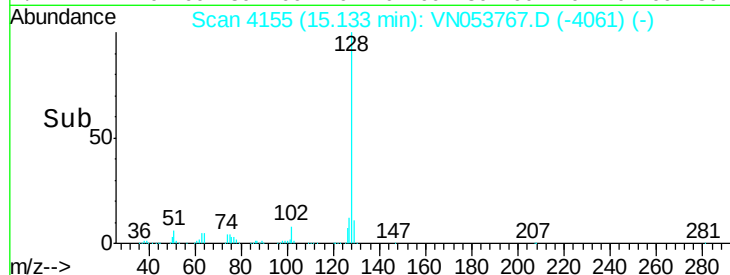
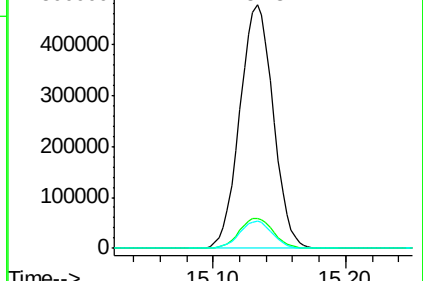


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13



#96

1,2,3-Trichlorobenzene

Concen: 49.233 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053767.D

Acq: 13 Feb 2019 20:37

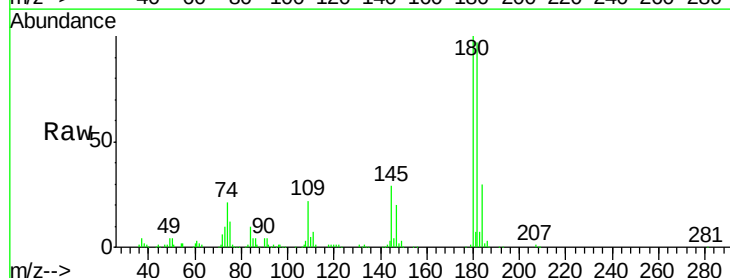
Tgt Ion:180 Resp: 375196

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.8

145 29.0 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

15.31

