

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
 Data File : VN053303.D
 Acq On : 7 Jan 2019 16:37
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 08 01:25:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	927624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1383497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1270078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	627931	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	449223	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
35) Dibromofluoromethane	7.59	113	398687	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
50) Toluene-d8	10.09	98	1679873	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	604194	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	423728	51.814	ug/l	99
3) Chloromethane	2.06	50	551602	48.300	ug/l	98
4) Vinyl Chloride	2.19	62	539177	49.464	ug/l	99
5) Bromomethane	2.57	94	360541	50.618	ug/l	99
6) Chloroethane	2.71	64	319322	48.534	ug/l	99
7) Trichlorofluoromethane	3.02	101	698950	49.505	ug/l	99
8) Diethyl Ether	3.41	74	263767	47.664	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	451757	50.486	ug/l	100
10) Methyl Iodide	3.96	142	675062	53.820	ug/l	99
11) Tert butyl alcohol	4.77	59	144222	248.457	ug/l	99
12) 1,1-Dichloroethene	3.74	96	425231	49.129	ug/l	98
13) Acrolein	3.61	56	159864	219.039	ug/l	97
14) Allyl chloride	4.33	41	671629	48.145	ug/l	100
15) Acrylonitrile	4.98	53	780723	225.306	ug/l	100
16) Acetone	3.81	43	585266	251.999	ug/l	99
17) Carbon Disulfide	4.06	76	1319530	49.449	ug/l	100
18) Methyl Acetate	4.32	43	363553	41.623	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1152420	47.440	ug/l	100
20) Methylene Chloride	4.55	84	487456	47.028	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	463246	49.846	ug/l	99
22) Diisopropyl ether	5.95	45	1468953	48.879	ug/l	96
23) Vinyl Acetate	5.89	43	4662488	246.567	ug/l	100
24) 1,1-Dichloroethane	5.85	63	851316	49.115	ug/l	100
25) 2-Butanone	6.83	43	879275	222.077	ug/l	99
26) 2,2-Dichloropropane	6.82	77	634825	50.104	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	525009	49.470	ug/l	100
28) Bromochloromethane	7.19	49	364798	49.389	ug/l	100
29) Tetrahydrofuran	7.21	42	577331	220.963	ug/l	98
30) Chloroform	7.37	83	828979	48.591	ug/l	99
31) Cyclohexane	7.65	56	815056	49.482	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	701780	49.364	ug/l	99
36) 1,1-Dichloropropene	7.79	75	665868	51.554	ug/l	99
37) Ethyl Acetate	6.92	43	378370	44.975	ug/l	98
38) Carbon Tetrachloride	7.77	117	615363	51.618	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	803264	53.683	ug/l	99
40) Benzene	8.04	78	1971401	49.968	ug/l	99
41) Methacrylonitrile	7.17	41	210835	40.366	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	570755	48.771	ug/l	100
43) Isopropyl Acetate	8.16	43	691945	41.809	ug/l	98
44) Trichloroethene	8.83	130	546353	50.433	ug/l	100
45) 1,2-Dichloropropane	9.12	63	518704	50.128	ug/l	100
46) Dibromomethane	9.21	93	295392	48.960	ug/l	99
47) Bromodichloromethane	9.40	83	632810	50.330	ug/l	99
48) Methyl methacrylate	9.20	41	353177	46.971	ug/l	100
49) 1,4-Dioxane	9.20	88	93228	1163.762	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1892096	227.339	ug/l	100
52) Toluene	10.15	92	1231223	50.868	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	663465	51.583	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	776899	52.271	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	422103	47.428	ug/l	99
56) Ethyl methacrylate	10.43	69	565513	48.897	ug/l	99
57) 1,3-Dichloropropane	10.71	76	735720	49.433	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1512769	241.945	ug/l	100
59) 2-Hexanone	10.75	43	1315695	230.724	ug/l	99
60) Dibromochloromethane	10.90	129	485397	50.566	ug/l	99
61) 1,2-Dibromoethane	11.00	107	429345	48.886	ug/l	98
64) Tetrachloroethene	10.63	164	593260	49.629	ug/l	99
65) Chlorobenzene	11.43	112	1367289	49.556	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	472949	48.974	ug/l	99
67) Ethyl Benzene	11.51	91	2402603	51.247	ug/l	100
68) m/p-Xylenes	11.62	106	1841346	104.448	ug/l	100
69) o-Xylene	11.95	106	890243	51.581	ug/l	99
70) Styrene	11.96	104	1482542	52.779	ug/l	99
71) Bromoform	12.13	173	338206	49.581	ug/l	100
73) Isopropylbenzene	12.25	105	2362532	50.534	ug/l	100
74) N-amyl acetate	12.07	43	656548	47.030	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	476675	44.324	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	667353	72.865	ug/l #	100
77) Bromobenzene	12.53	156	613643	49.179	ug/l	99
78) n-propylbenzene	12.59	91	2760105	52.193	ug/l	100
79) 2-Chlorotoluene	12.67	91	1602493	50.080	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1952026	51.836	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	157187	50.495	ug/l	99
82) 4-Chlorotoluene	12.77	91	1662167	50.658	ug/l	100
83) tert-Butylbenzene	12.99	119	1699869	51.449	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1981291	51.644	ug/l	100
85) sec-Butylbenzene	13.17	105	2281688	52.364	ug/l	100
86) p-Isopropyltoluene	13.29	119	1997049	52.935	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1098658	50.000	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1093785	50.180	ug/l	100
89) n-Butylbenzene	13.61	91	1689388	53.411	ug/l	100
90) Hexachloroethane	13.87	117	321880	53.231	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1018997	49.509	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61217	46.930	ug/l	96

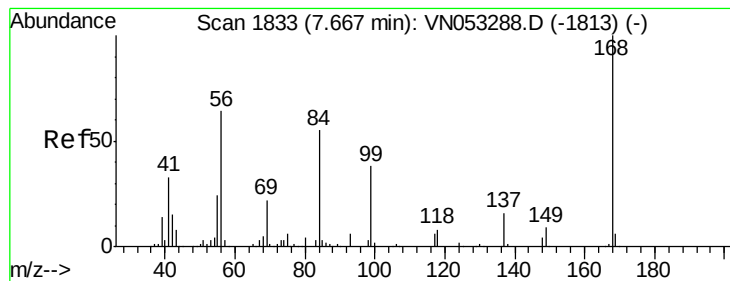
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	339742	52.497	ug/l	99
94) Hexachlorobutadiene	15.01	225	267768	50.585	ug/l	100
95) Naphthalene	15.13	128	544515	49.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	207768	49.036	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

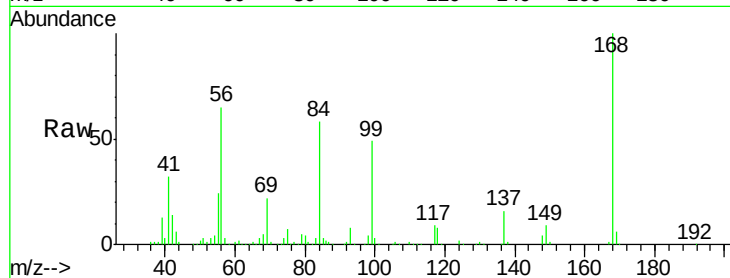
VSTDCCC050EC

Tot Ion:168 Resp: 927624

Ion Ratio Lower Upper

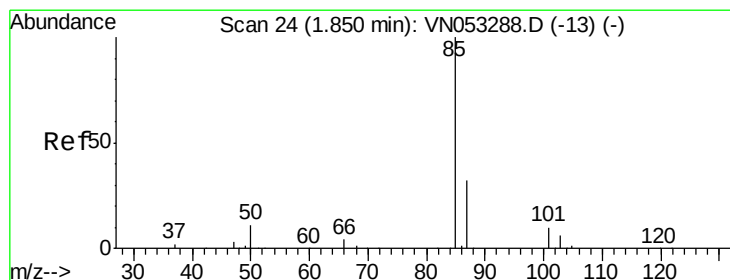
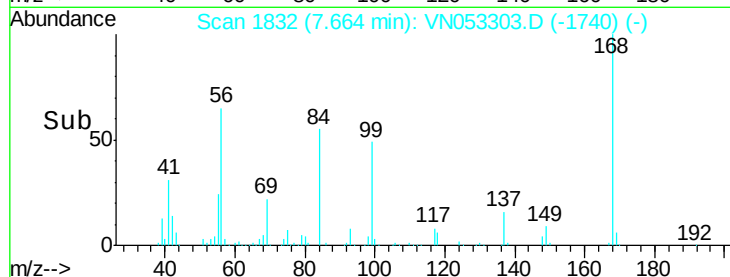
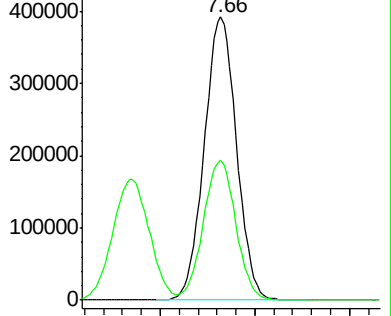
168 100

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: 51.814 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053303.D

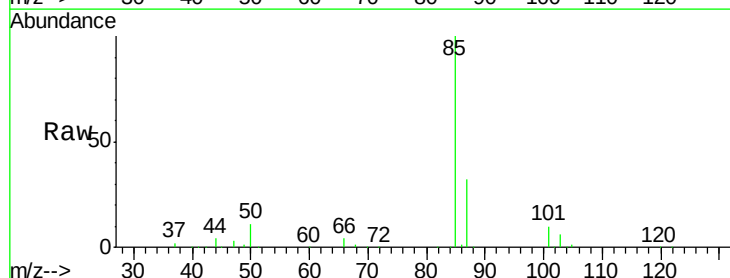
Acq: 7 Jan 2019 16:37

Tgt Ion: 85 Resp: 423728

Ion Ratio Lower Upper

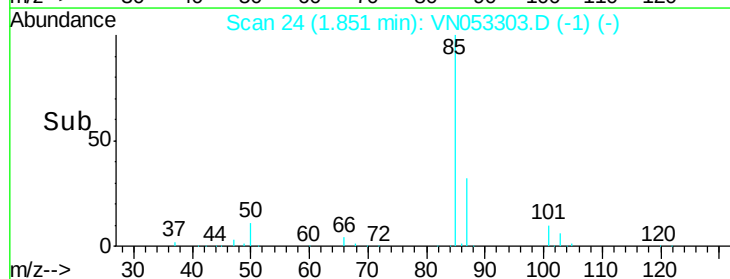
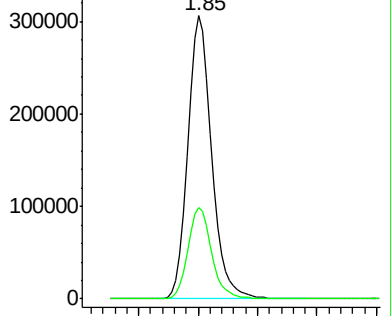
85 100

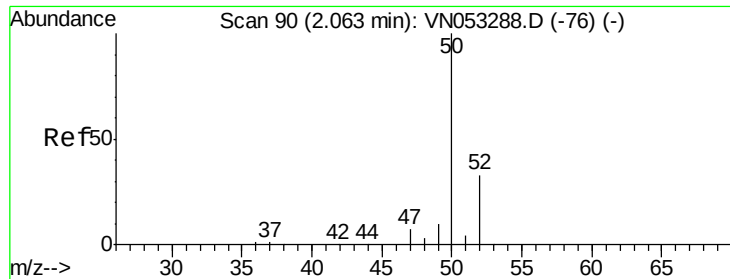
87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.300 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

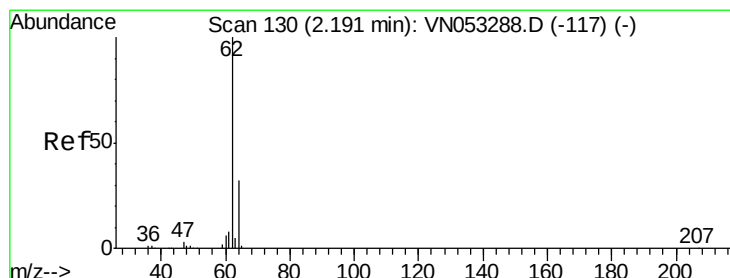
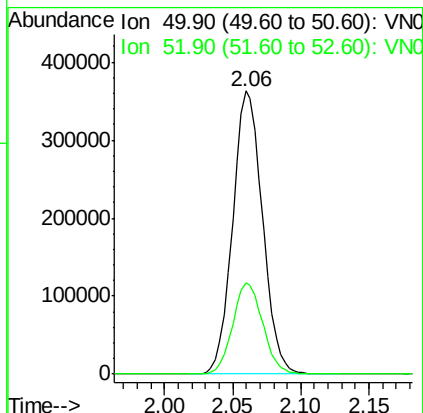
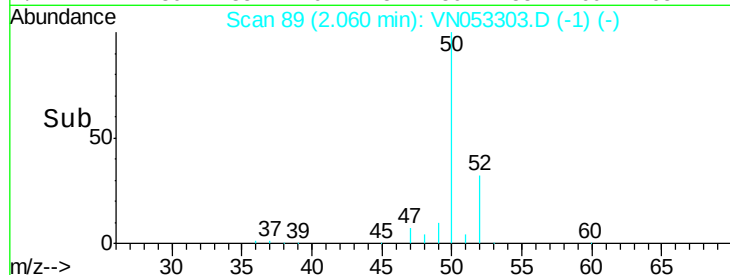
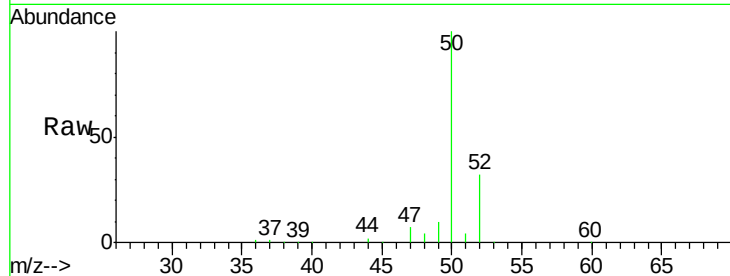
VSTDCCC050EC

Tot Ion: 50 Resp: 551602

Ion Ratio Lower Upper

50 100

52 32.4 26.6 40.0



#4

Vinyl Chloride

Concen: 49.464 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053303.D

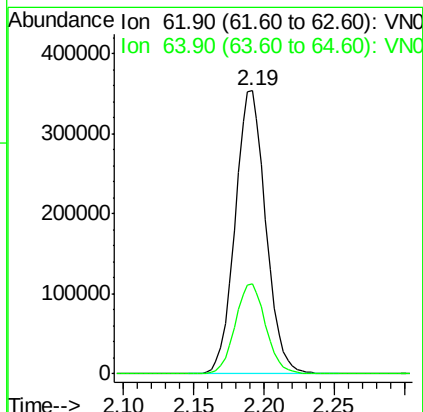
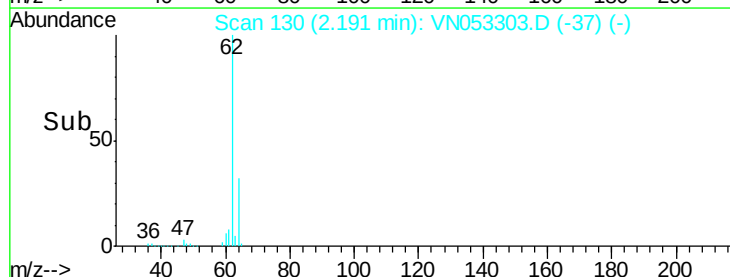
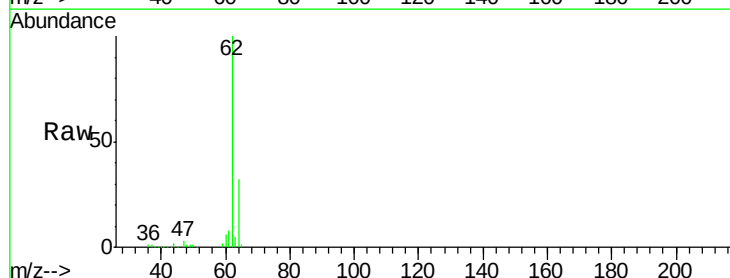
Acq: 7 Jan 2019 16:37

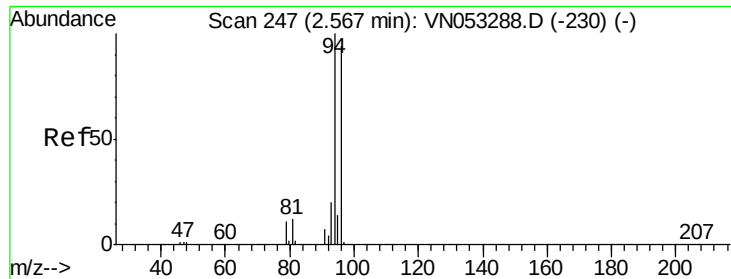
Tgt Ion: 62 Resp: 539177

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 50.618 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

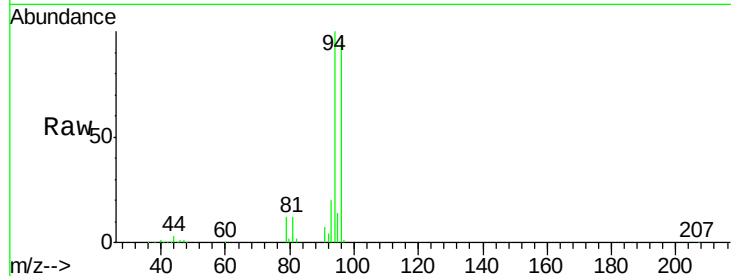
VSTDCCC050EC

Tot Ion: 94 Resp: 360541

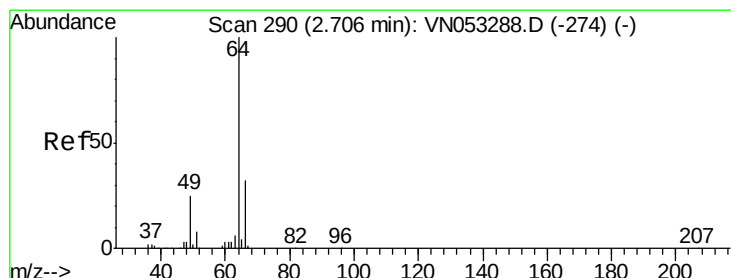
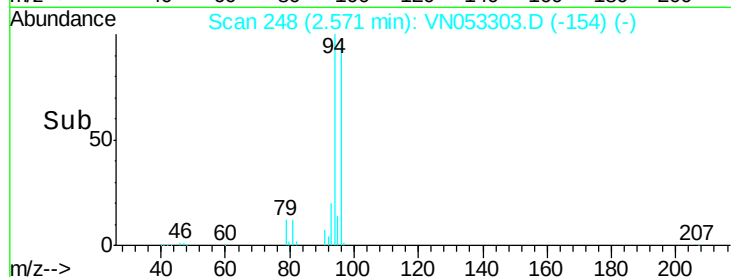
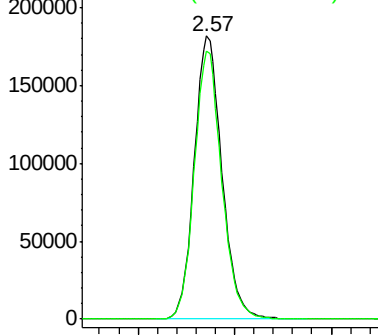
Ion Ratio Lower Upper

94 100

96 94.9 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.534 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053303.D

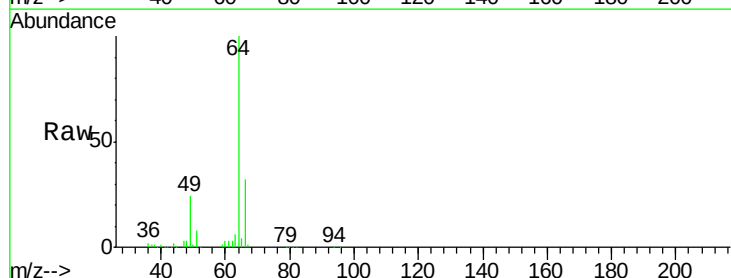
Acq: 7 Jan 2019 16:37

Tgt Ion: 64 Resp: 319322

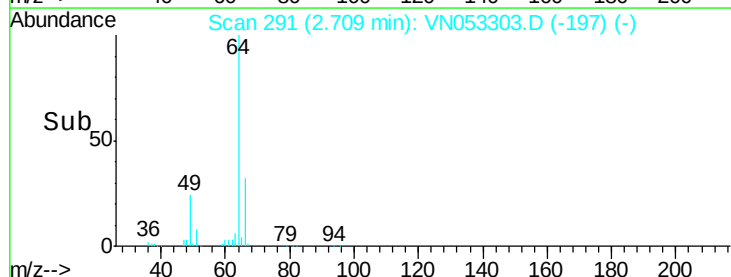
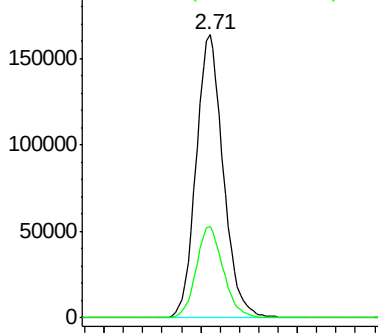
Ion Ratio Lower Upper

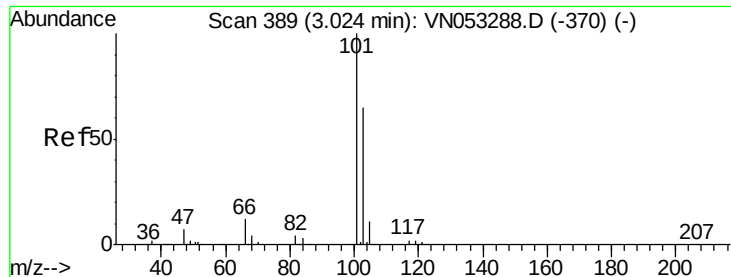
64 100

66 32.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



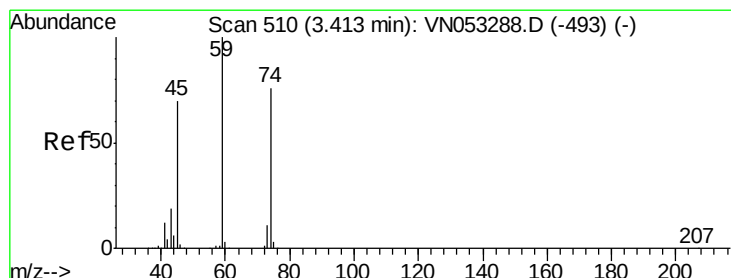
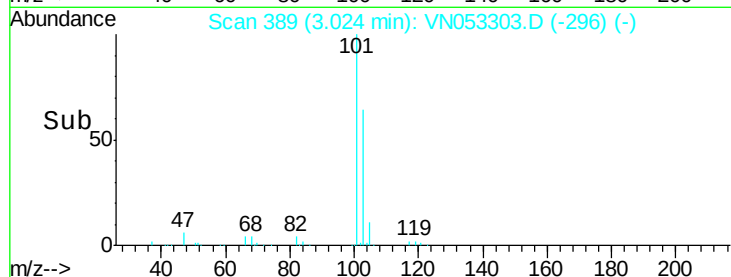
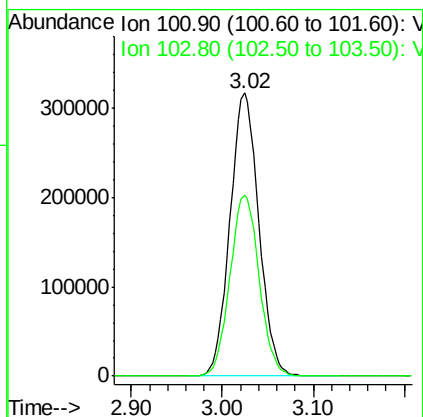
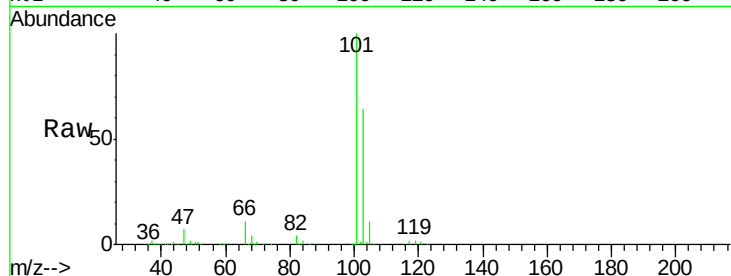


#7

Trichlorofluoromethane
 Concen: 49.505 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Instrument :
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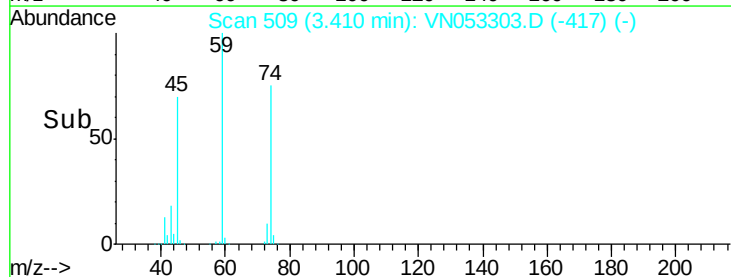
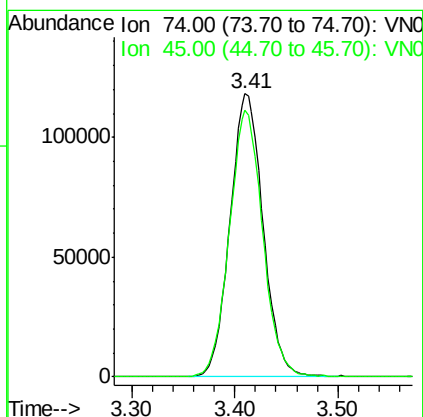
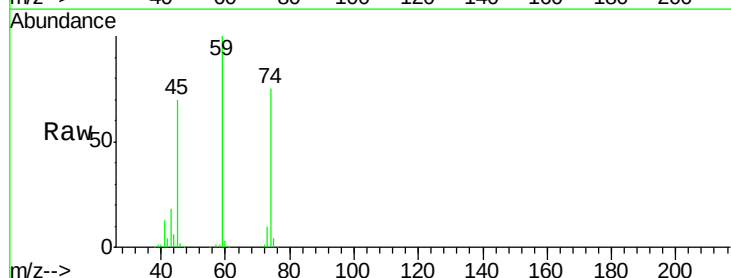
Tot Ion:101 Resp: 698950
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.1 78.1

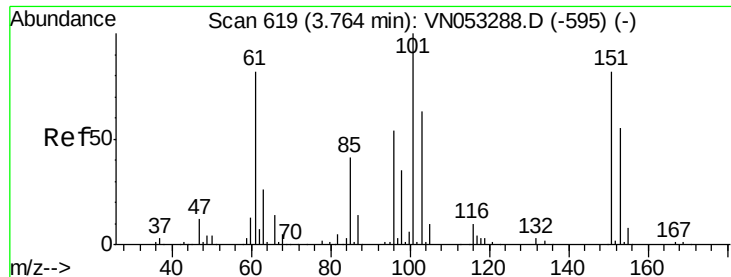


#8

Diethyl Ether
 Concen: 47.664 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion: 74 Resp: 263767
 Ion Ratio Lower Upper
 74 100
 45 95.1 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.486 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

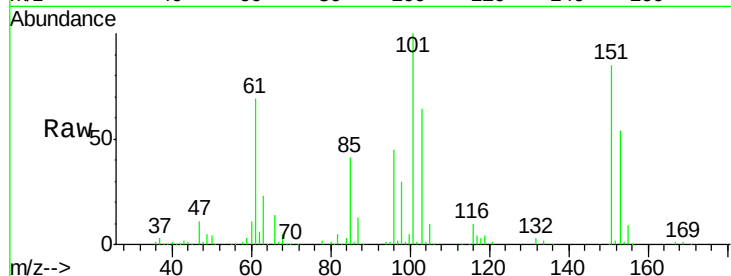
Tot Ion:101 Resp: 451757

Ion Ratio Lower Upper

101 100

85 41.3 33.3 49.9

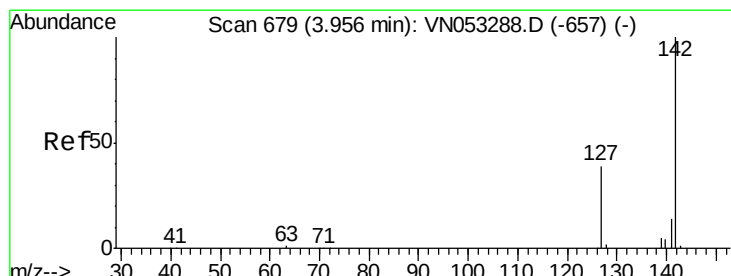
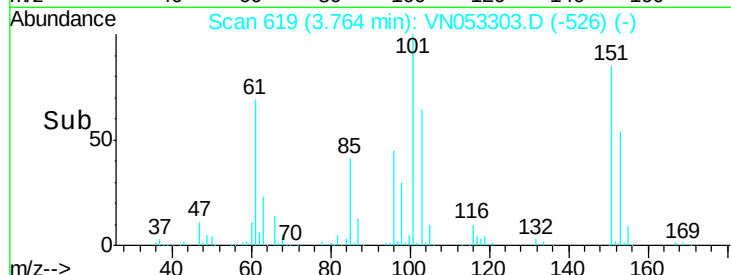
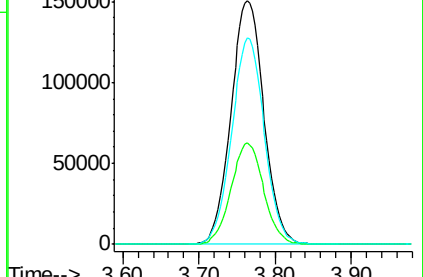
151 83.9 67.0 100.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.820 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

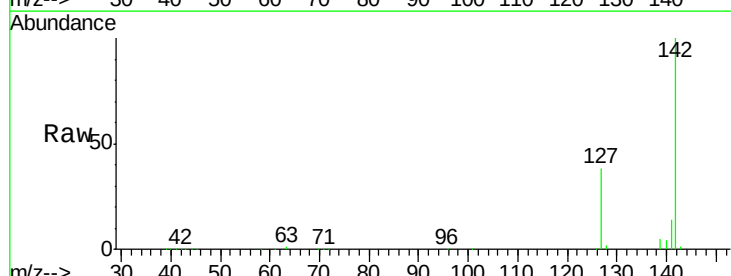
Tgt Ion:142 Resp: 675062

Ion Ratio Lower Upper

142 100

127 38.2 30.9 46.3

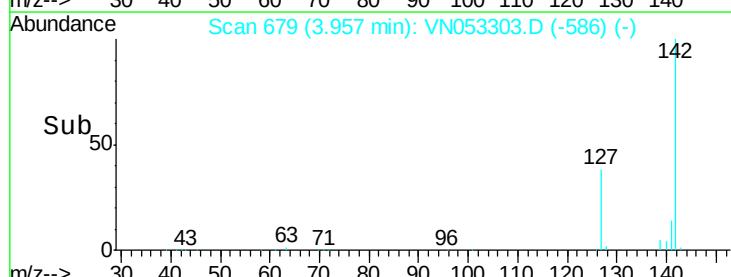
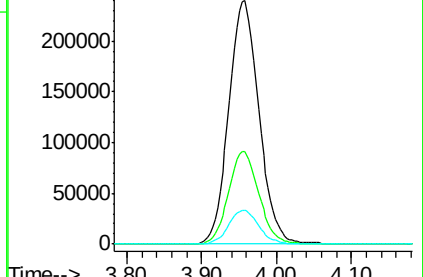
141 13.8 11.2 16.8

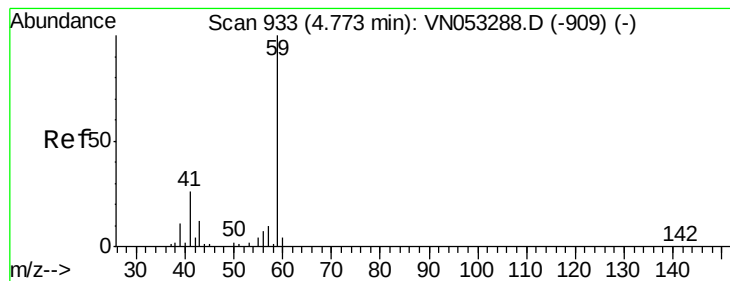


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



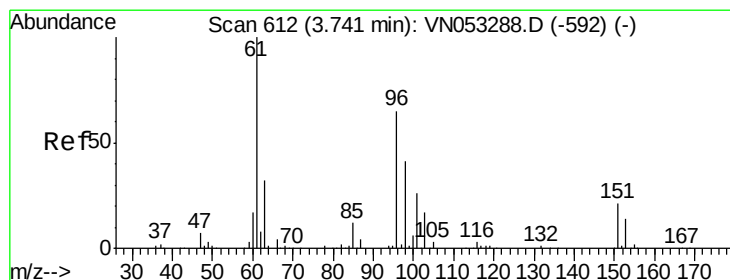
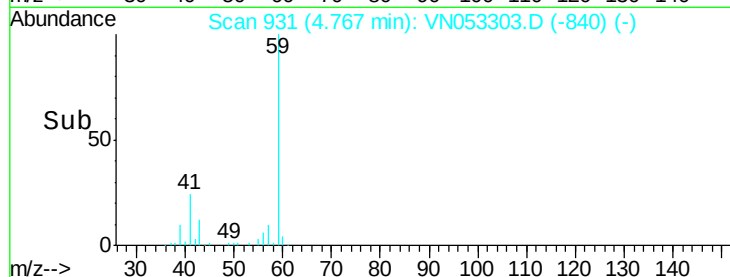
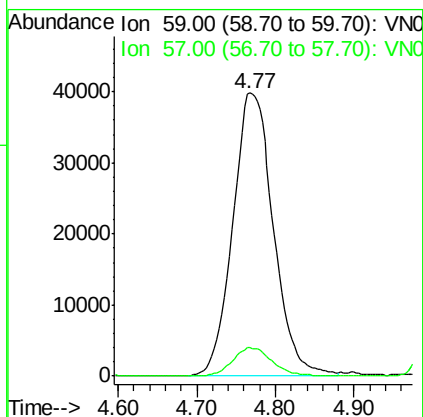
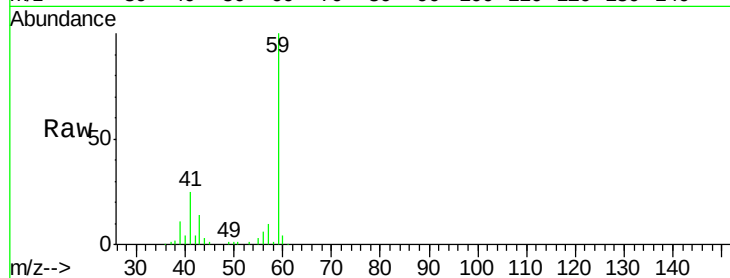


#11

Tert butyl alcohol
 Concen: 248.457 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. -0.01 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

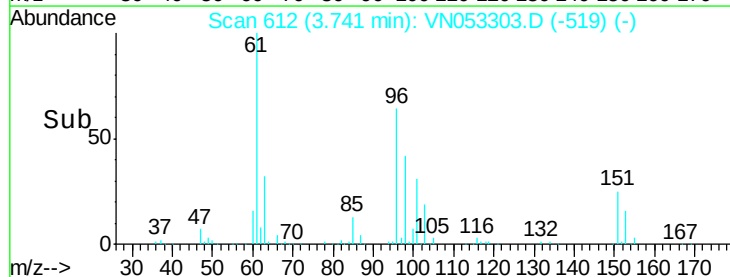
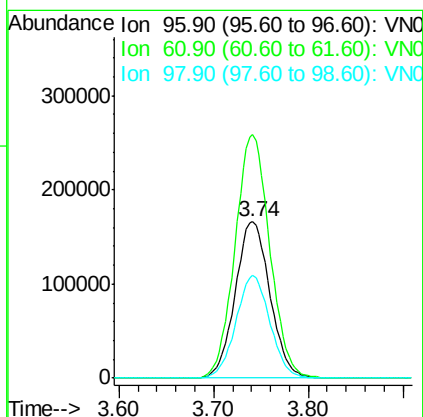
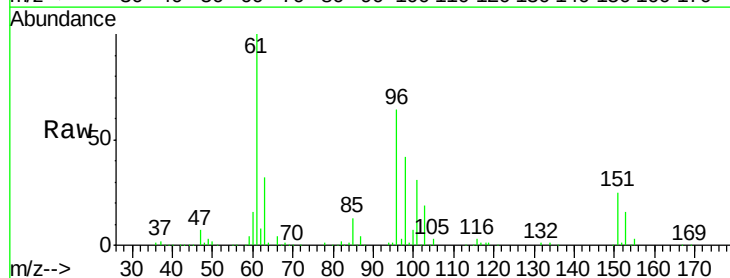
Tot Ion: 59 Resp: 144222
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.0 12.0

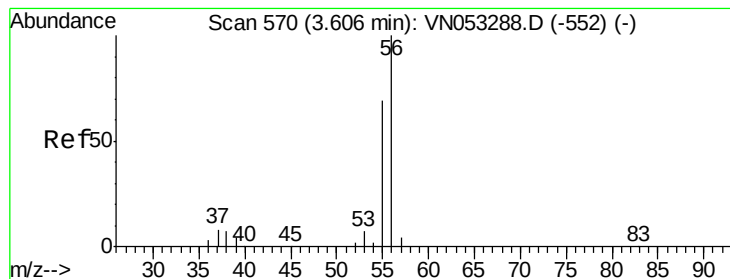


#12

1,1-Dichloroethene
 Concen: 49.129 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion: 96 Resp: 425231
 Ion Ratio Lower Upper
 96 100
 61 155.7 123.2 184.8
 98 65.8 50.5 75.7





#13

Acrolein

Concen: 219.039 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

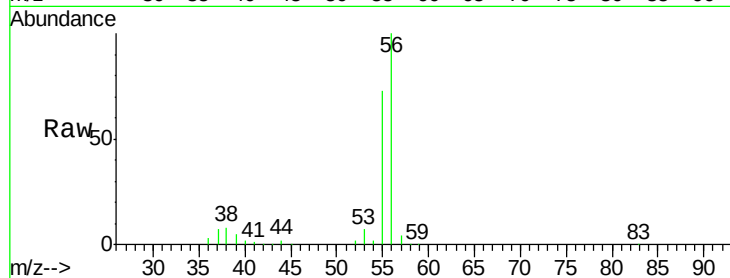
VSTDCCC050EC

Tot Ion: 56 Resp: 159864

Ion Ratio Lower Upper

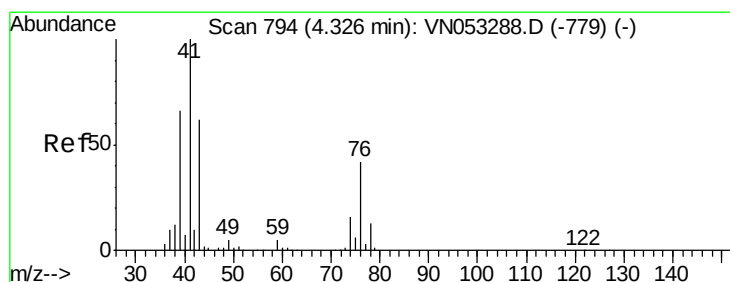
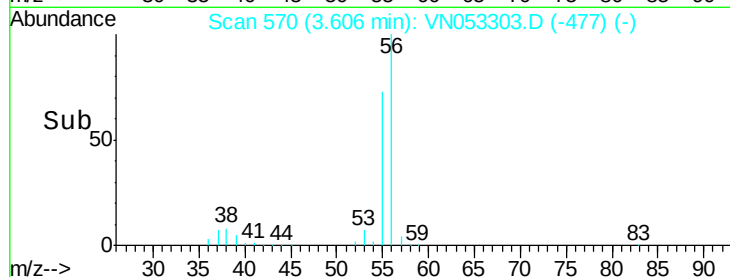
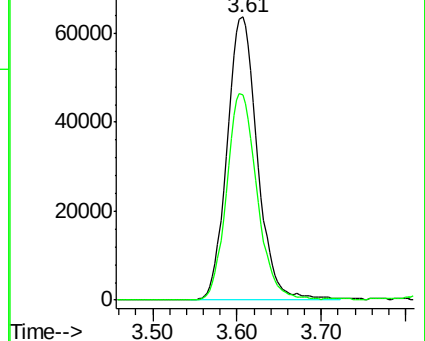
56 100

55 73.0 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 48.145 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

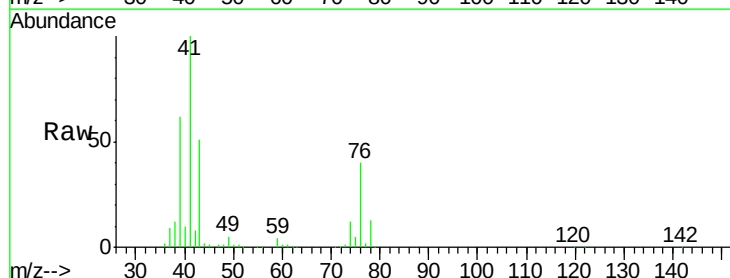
Tgt Ion: 41 Resp: 671629

Ion Ratio Lower Upper

41 100

39 64.8 51.9 77.9

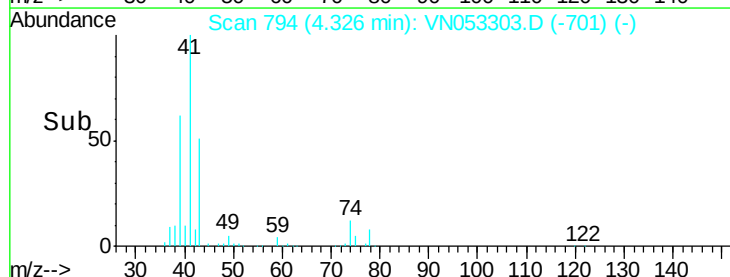
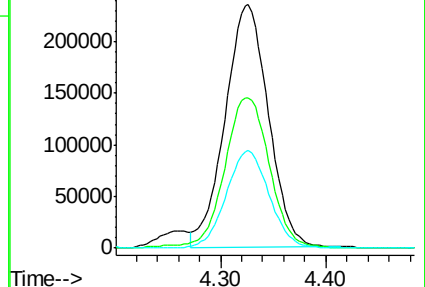
76 39.3 31.2 46.8

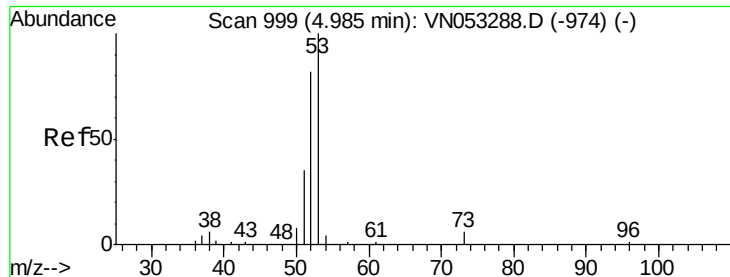


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 225.306 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

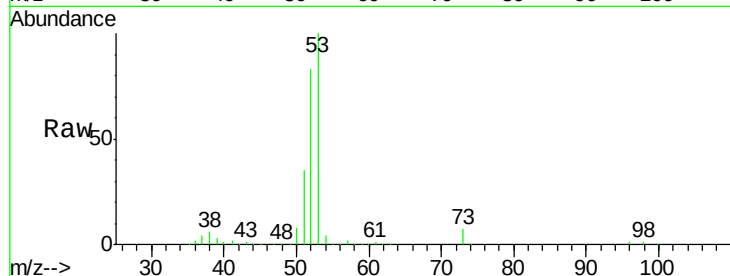
Tot Ion: 53 Resp: 780723

Ion Ratio Lower Upper

53 100

52 81.7 65.2 97.8

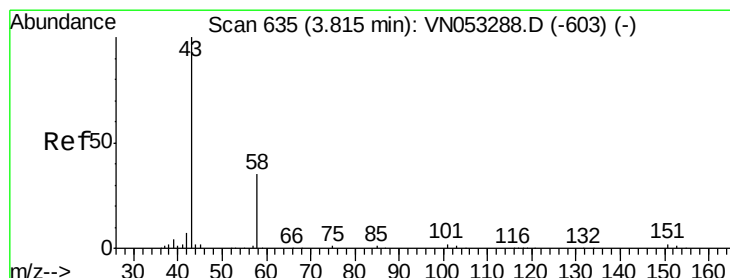
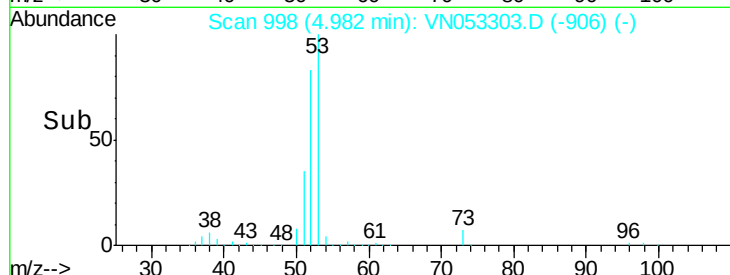
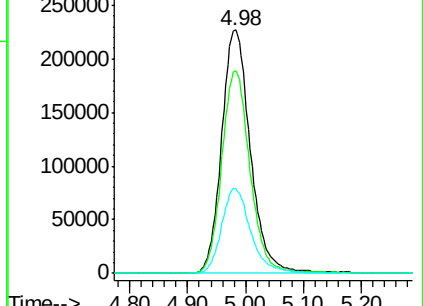
51 35.5 28.0 42.0



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: 251.999 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053303.D

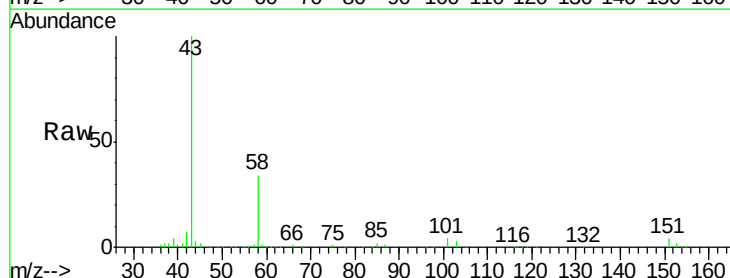
Acq: 7 Jan 2019 16:37

Tgt Ion: 43 Resp: 585266

Ion Ratio Lower Upper

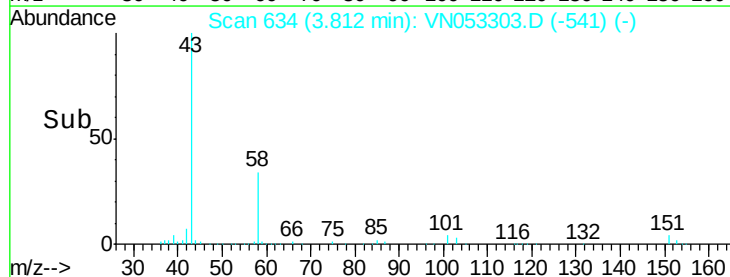
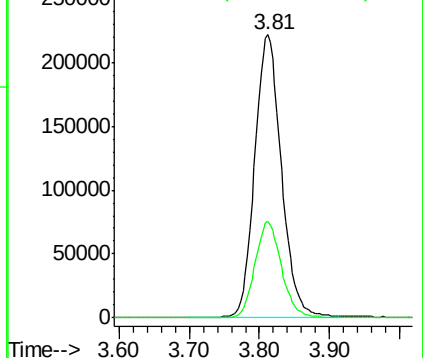
43 100

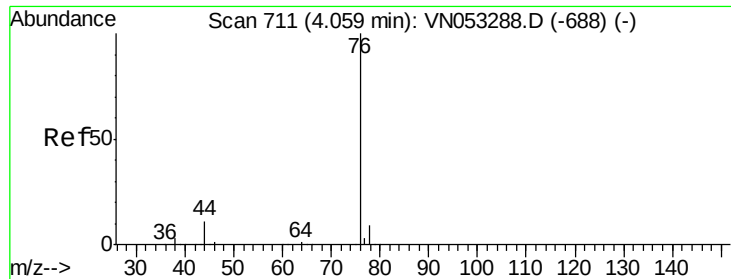
58 33.9 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

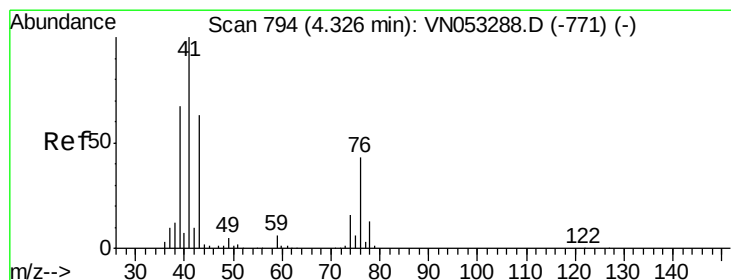
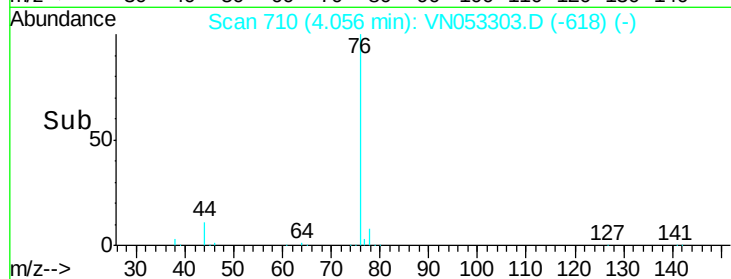
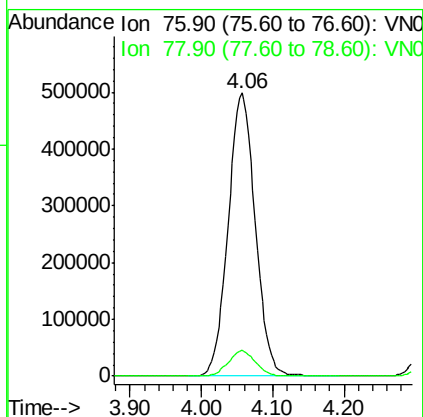
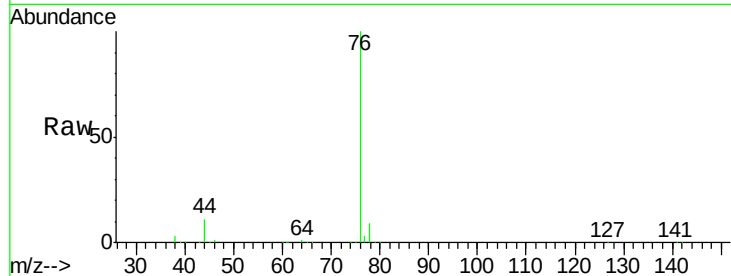




#17
Carbon Disulfide
Concen: 49.449 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

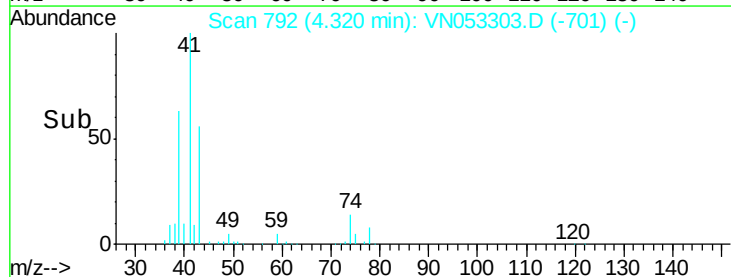
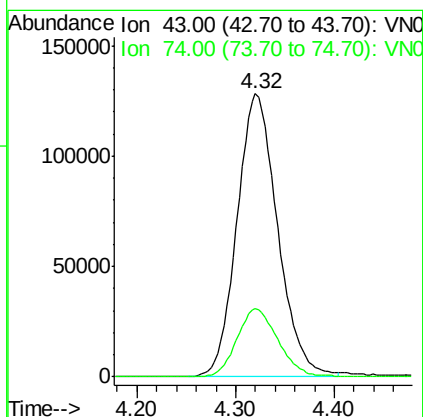
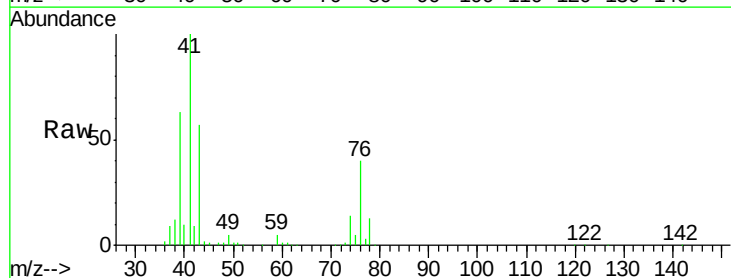
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

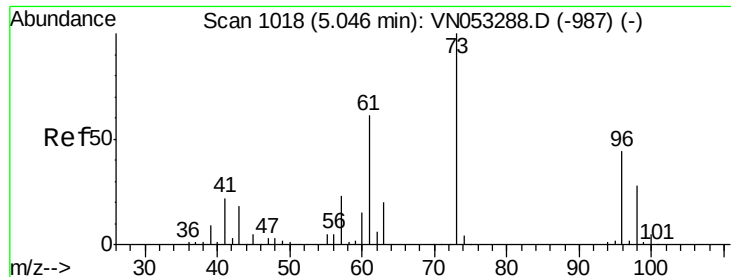
Tot Ion: 76 Resp: 1319530
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 41.623 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion: 43 Resp: 363553
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.8

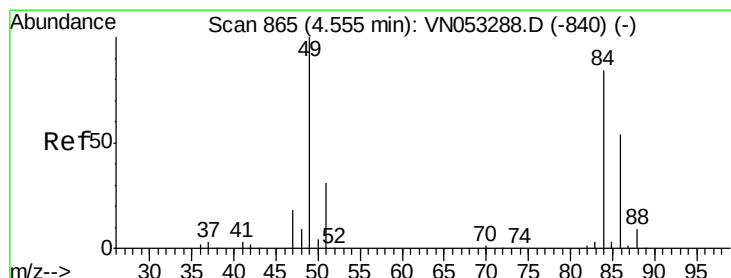
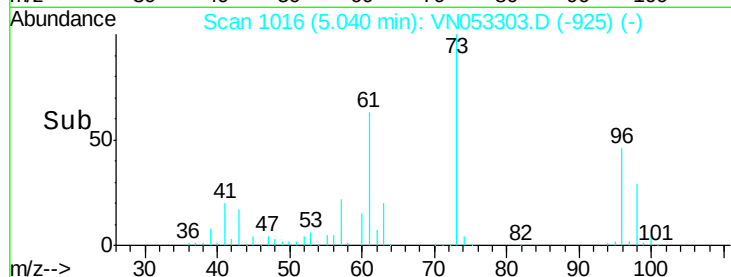
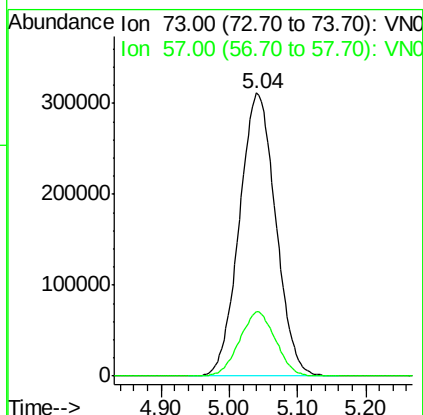
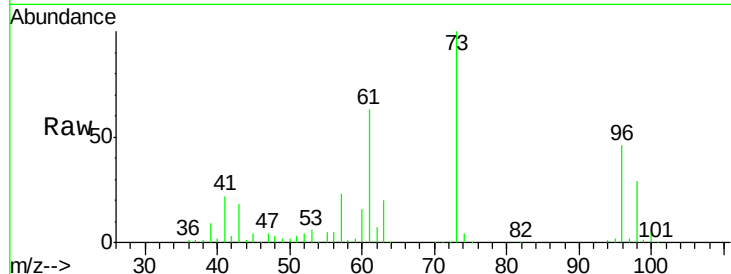




#19
Methyl tert-butyl Ether
Concen: 47.440 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

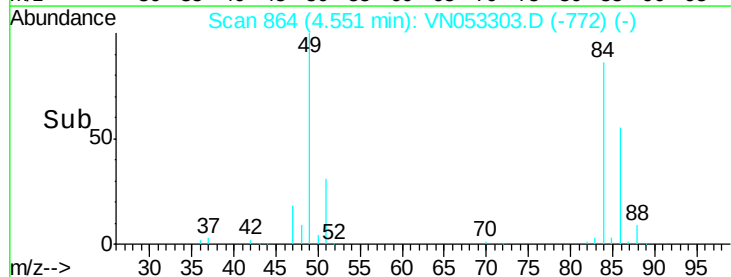
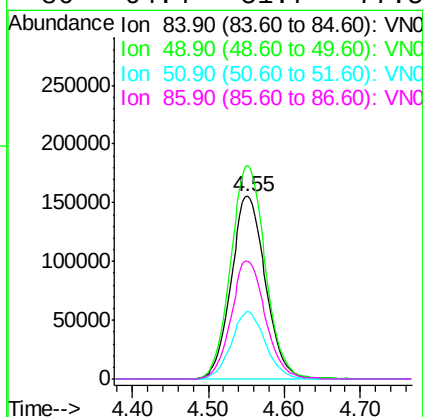
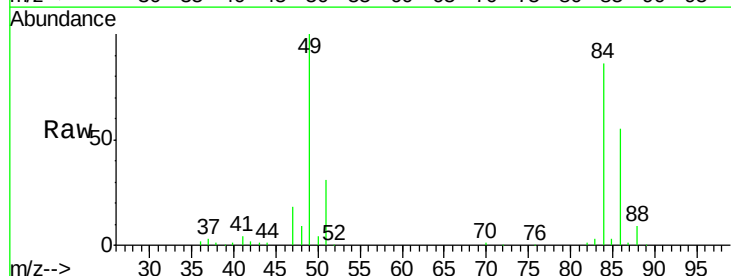
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

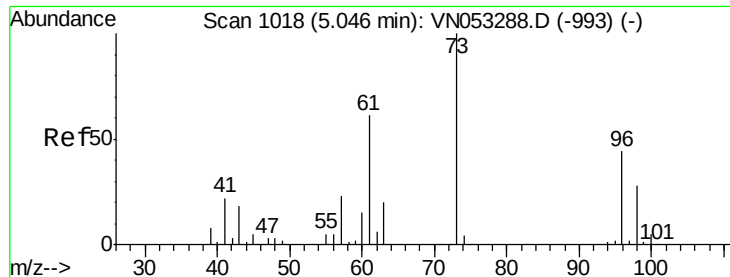
Tot Ion: 73 Resp: 1152420
Ion Ratio Lower Upper
73 100
57 22.9 18.5 27.7



#20
Methylene Chloride
Concen: 47.028 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion: 84 Resp: 487456
Ion Ratio Lower Upper
84 100
49 116.8 95.3 142.9
51 36.8 29.0 43.6
86 64.4 51.7 77.5

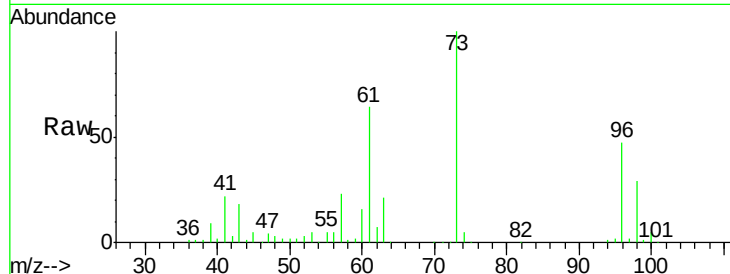




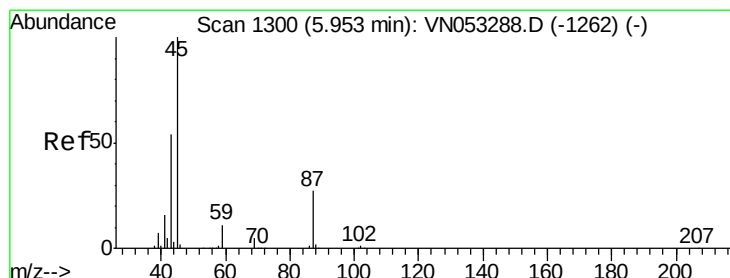
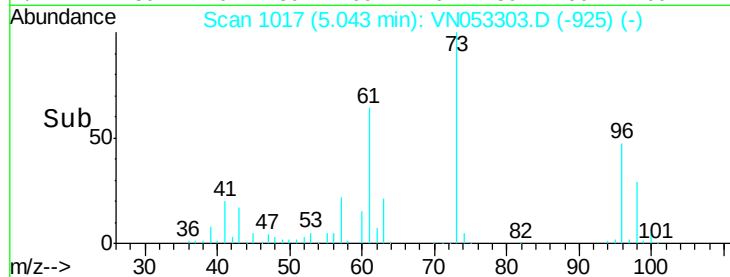
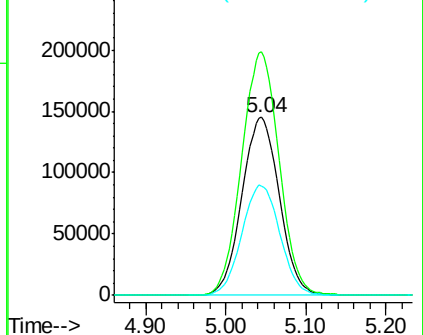
#21
trans-1,2-Dichloroethene
Concen: 49.846 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 463246
Ion Ratio Lower Upper
96 100
61 136.7 110.2 165.4
98 61.6 50.7 76.1

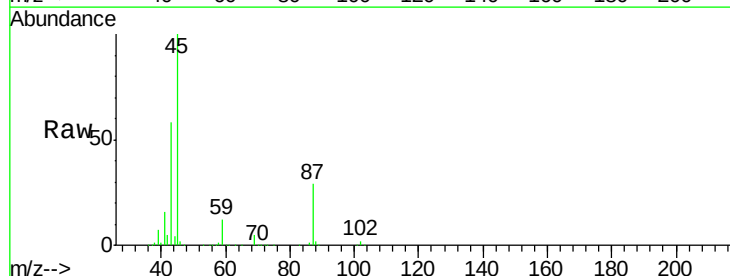


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

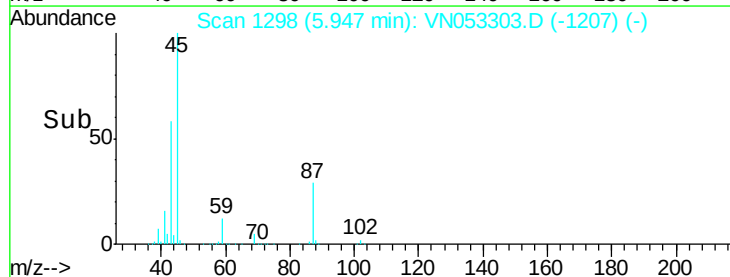
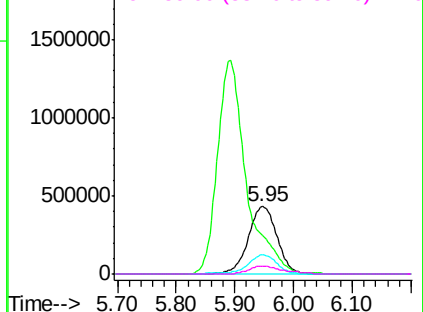


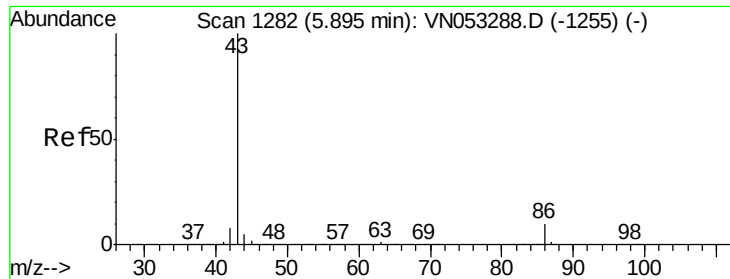
#22
Diisopropyl ether
Concen: 48.879 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion: 45 Resp: 1468953
Ion Ratio Lower Upper
45 100
43 57.4 43.0 64.6
87 28.5 22.1 33.1
59 12.0 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 246.567 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

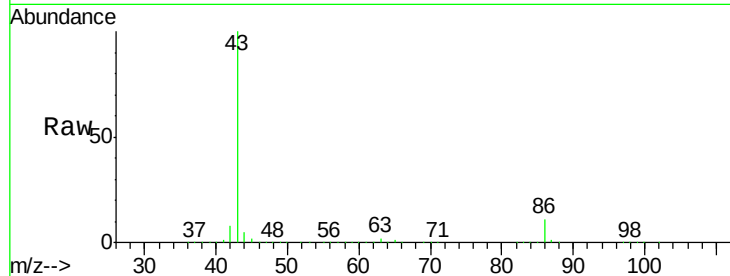
VSTDCCC050EC

Tot Ion: 43 Resp: 4662488

Ion Ratio Lower Upper

43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.89

1500000

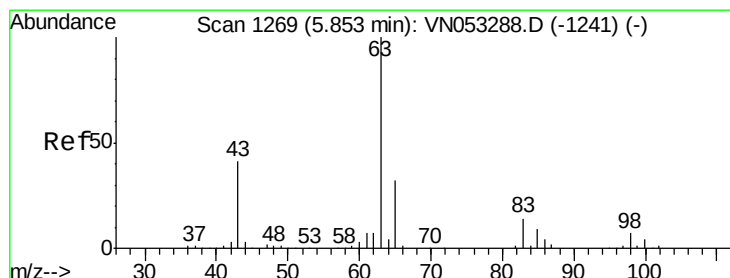
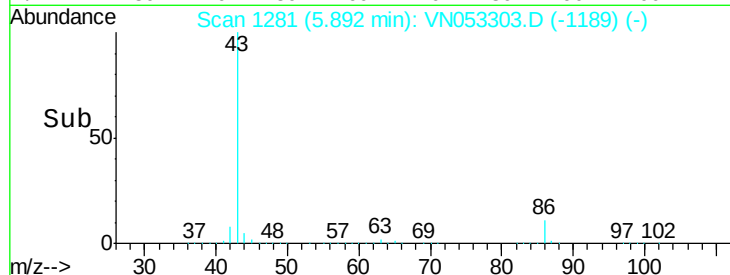
1000000

500000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 49.115 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

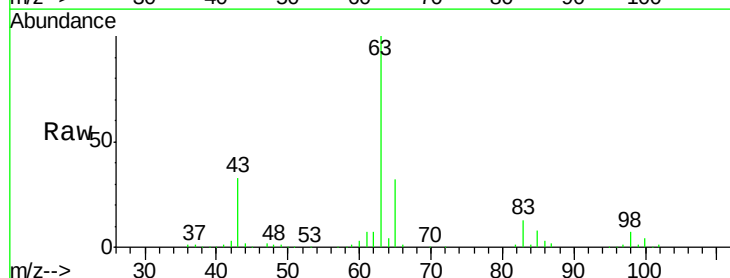
Tgt Ion: 63 Resp: 851316

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

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

5.85

300000

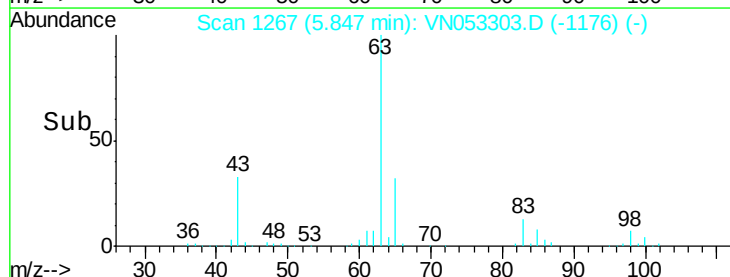
200000

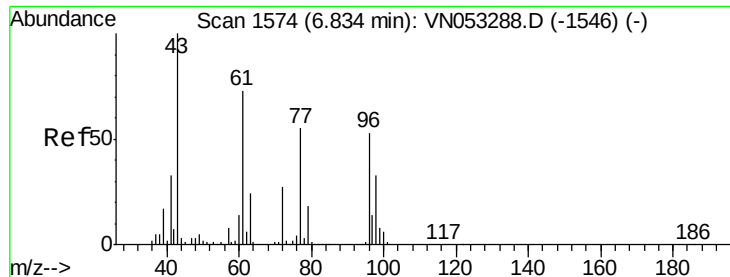
100000

0

Time-->

5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 222.077 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

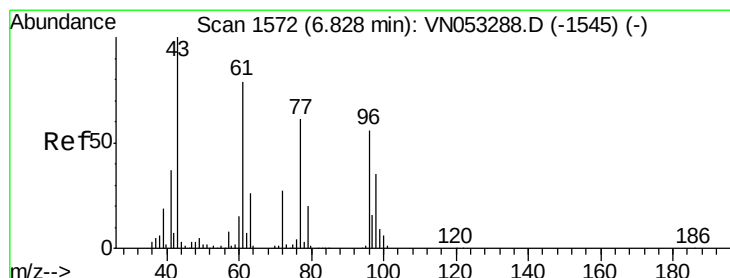
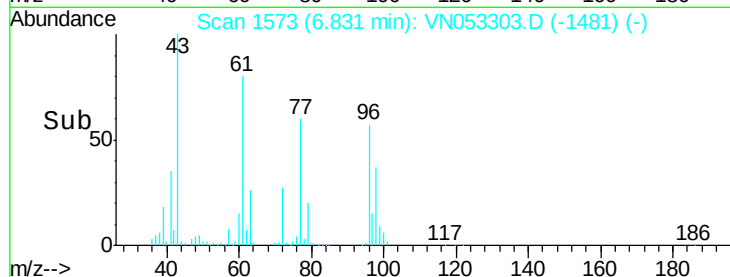
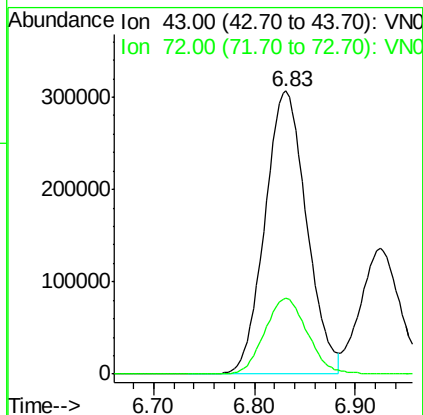
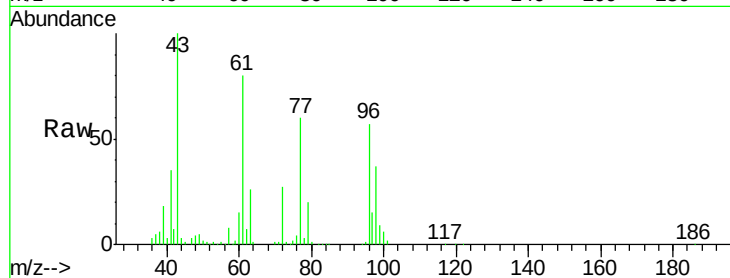
VSTDCCC050EC

Tot Ion: 43 Resp: 879275

Ion Ratio Lower Upper

43 100

72 26.9 22.0 33.0



#26

2,2-Dichloropropane

Concen: 50.104 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN053303.D

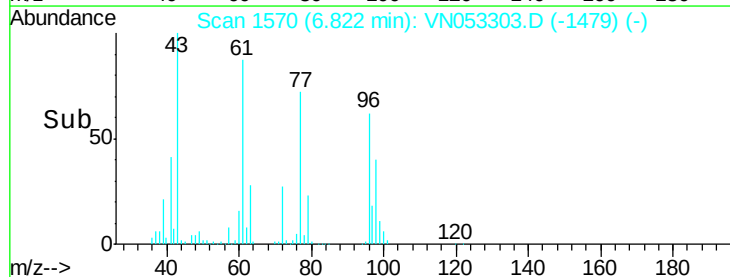
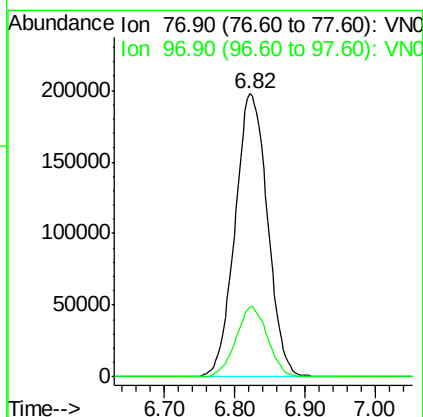
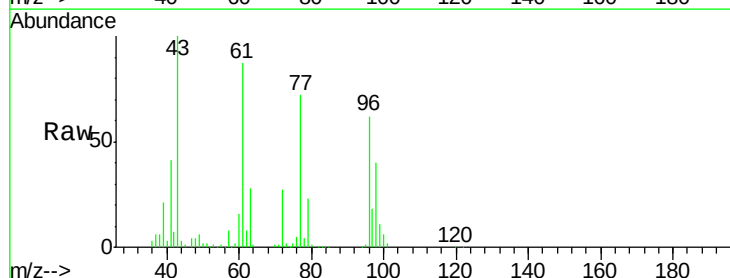
Acq: 7 Jan 2019 16:37

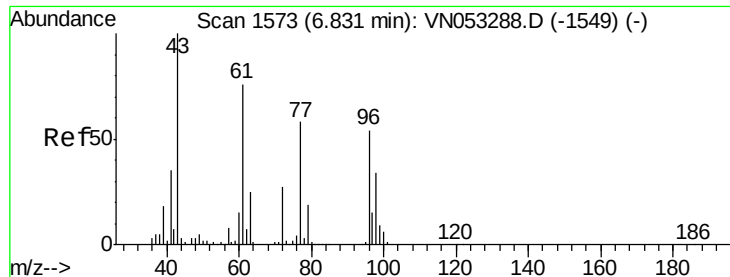
Tgt Ion: 77 Resp: 634825

Ion Ratio Lower Upper

77 100

97 24.2 12.3 36.9

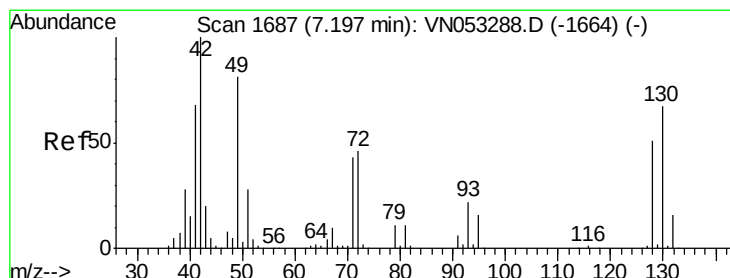
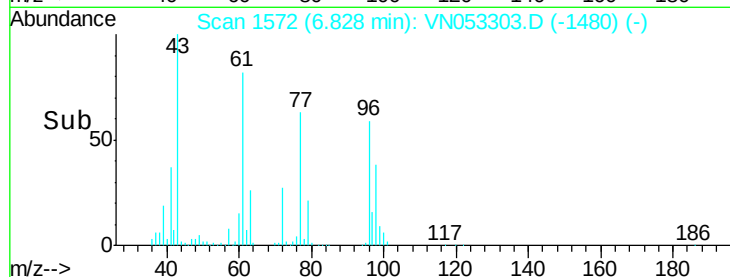
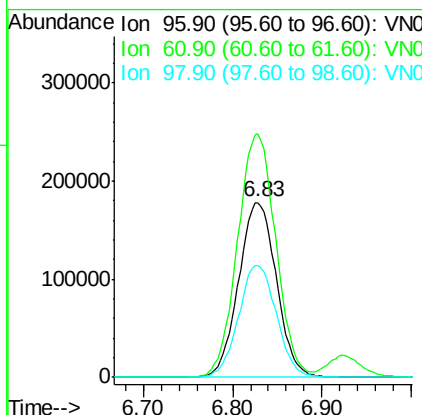
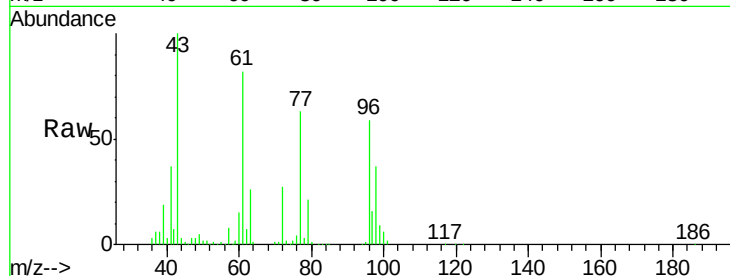




#27
 cis-1,2-Dichloroethene
 Concen: 49.470 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

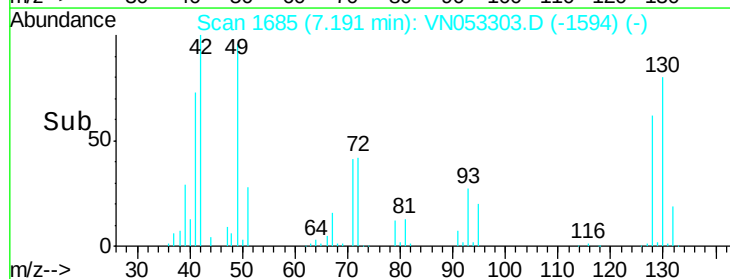
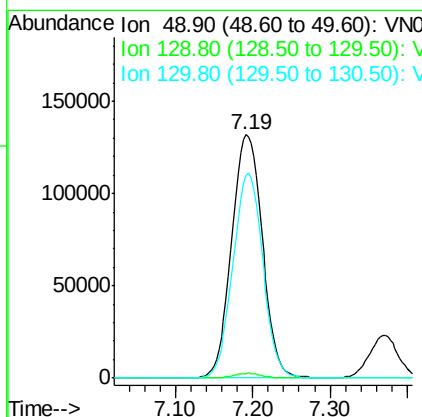
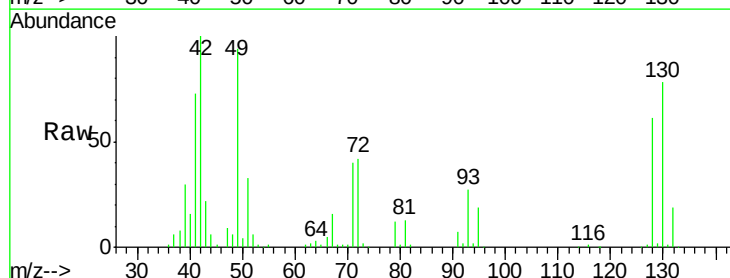
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

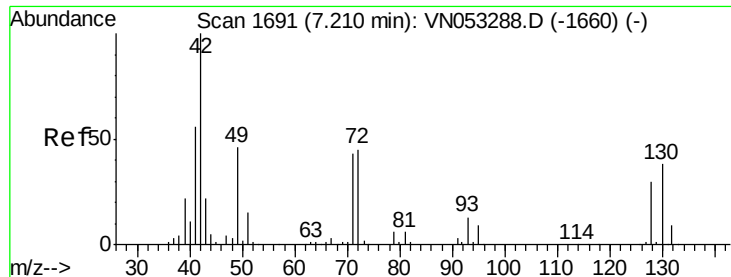
Tot Ion: 96 Resp: 525009
 Ion Ratio Lower Upper
 96 100
 61 140.7 0.0 280.6
 98 64.3 0.0 127.6



#28
 Bromochloromethane
 Concen: 49.389 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion: 49 Resp: 364798
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.8
 130 82.0 65.4 98.0





#29

Tetrahydrofuran

Concen: 220.963 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

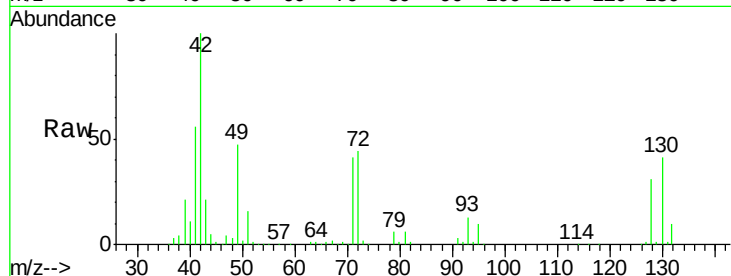
Tot Ion: 42 Resp: 577331

Ion Ratio Lower Upper

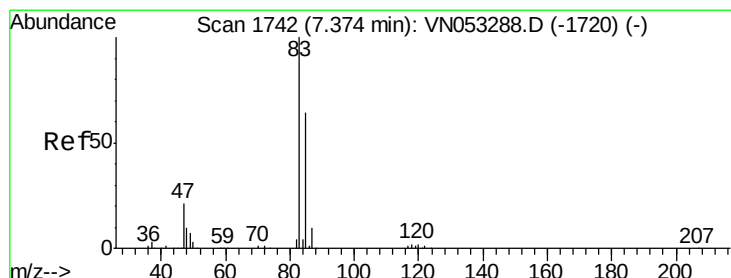
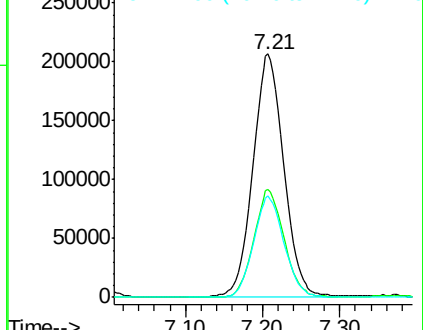
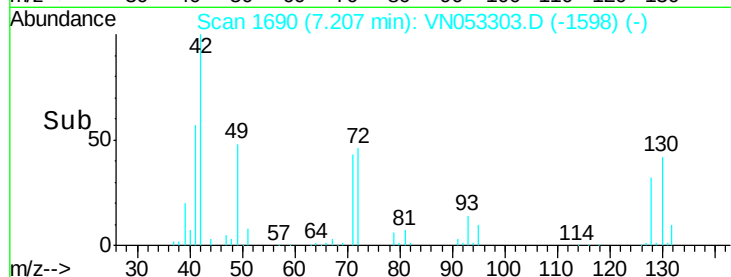
42 100

72 43.5 35.6 53.4

71 41.0 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VN053303.D (-1598) (-)



#30

Chloroform

Concen: 48.591 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053303.D

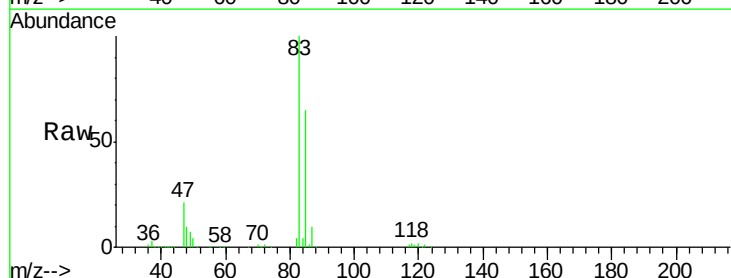
Acq: 7 Jan 2019 16:37

Tgt Ion: 83 Resp: 828979

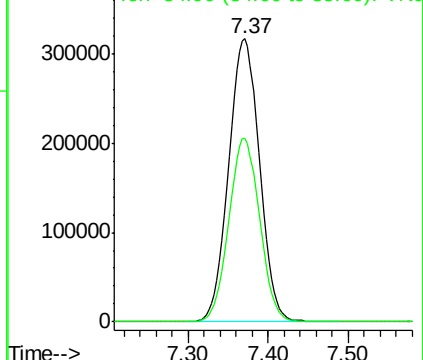
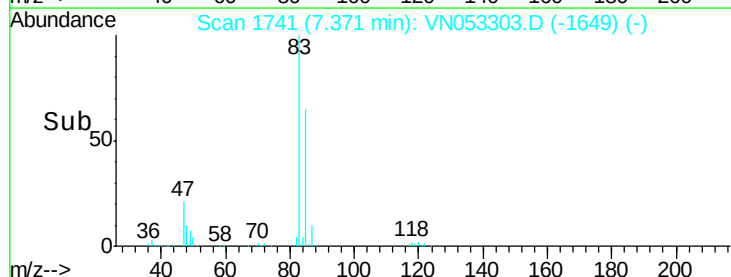
Ion Ratio Lower Upper

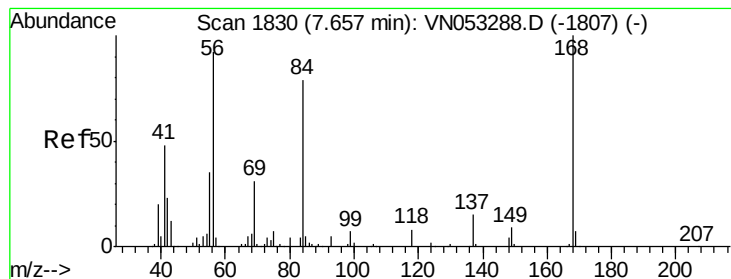
83 100

85 65.0 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN053303.D (-1649) (-)





#31

Cyclohexane

Concen: 49.482 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

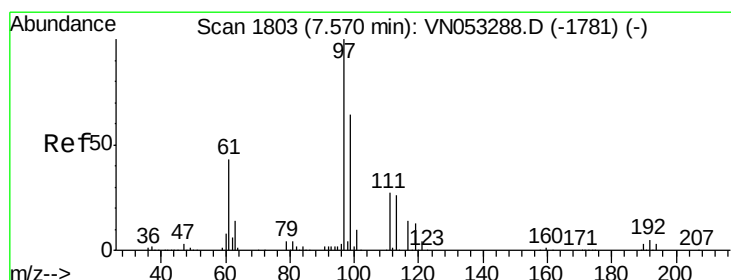
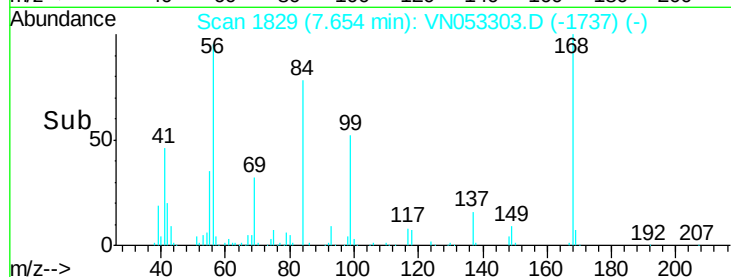
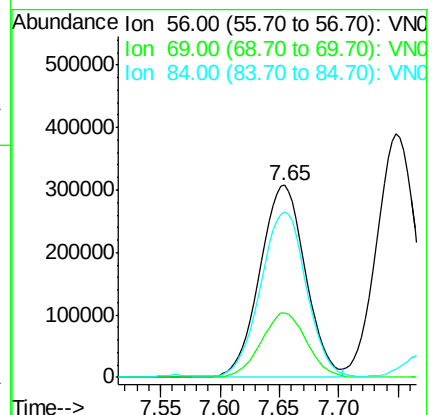
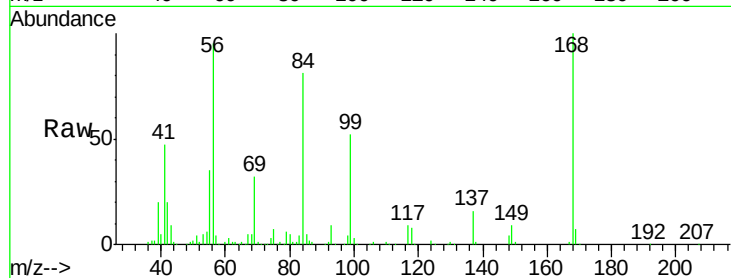
Tot Ion: 56 Resp: 815056

Ion Ratio Lower Upper

56 100

69 33.5 26.7 40.1

84 84.8 68.2 102.4



#32

1,1,1-Trichloroethane

Concen: 49.364 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

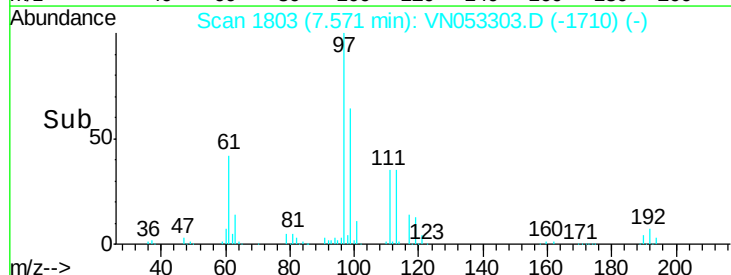
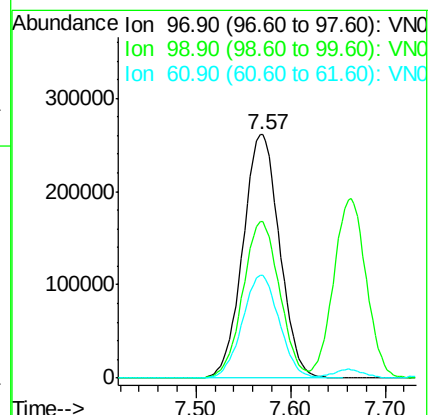
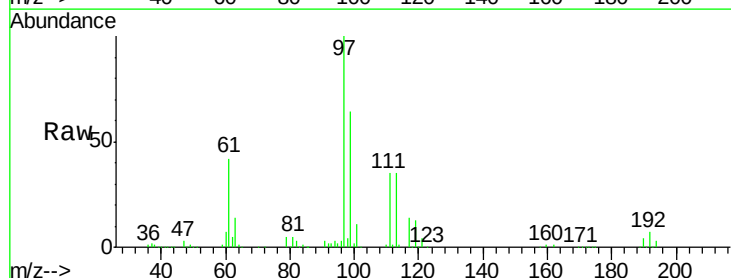
Tgt Ion: 97 Resp: 701780

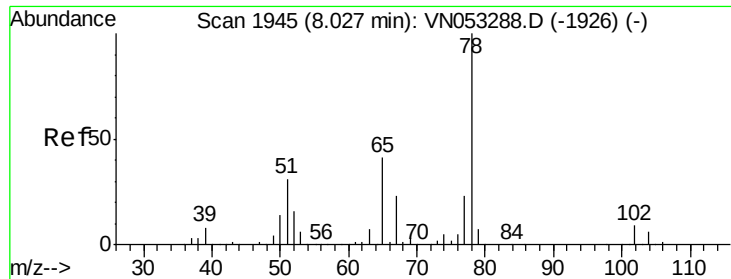
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 42.5 34.6 52.0

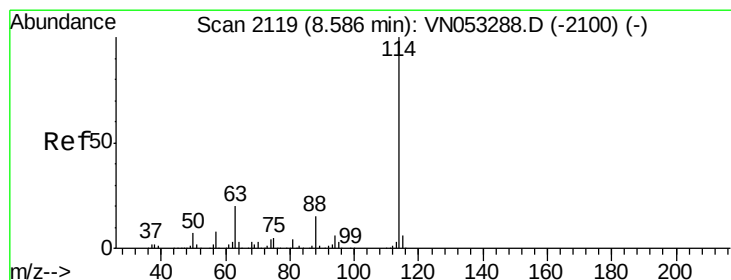
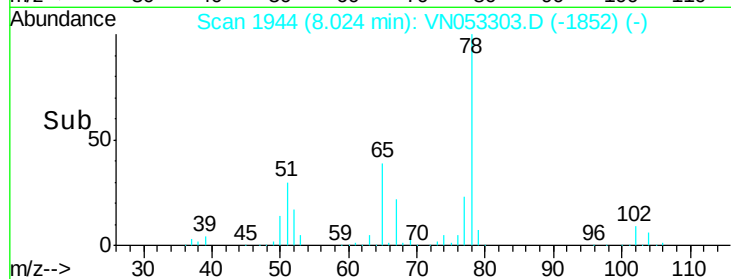
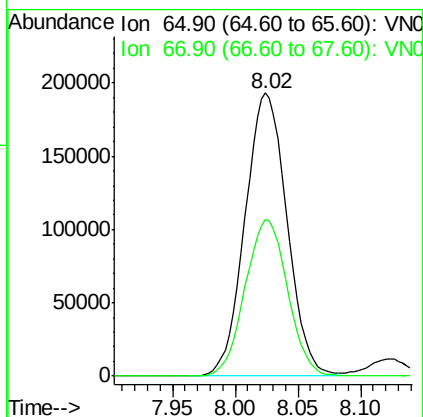
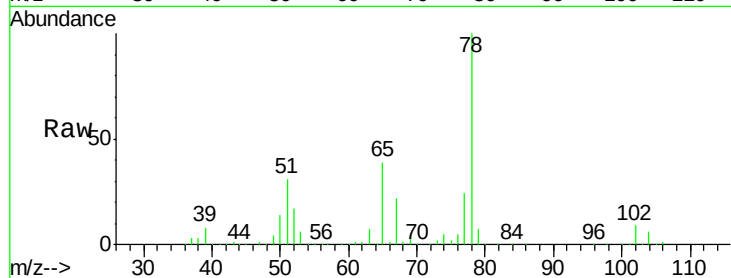




#33
 1,2-Dichloroethane-d4
 Concen: 49.364 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

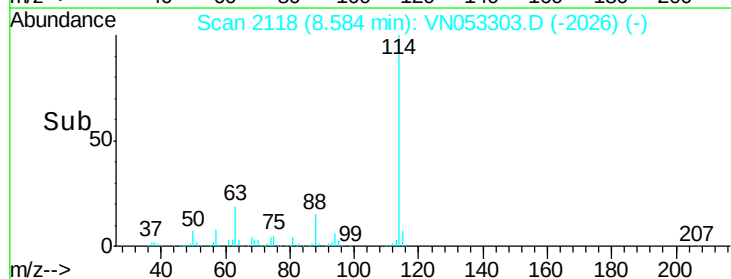
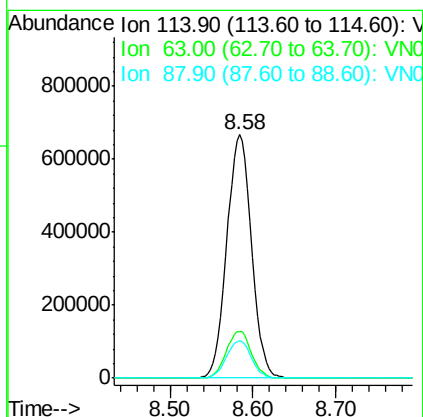
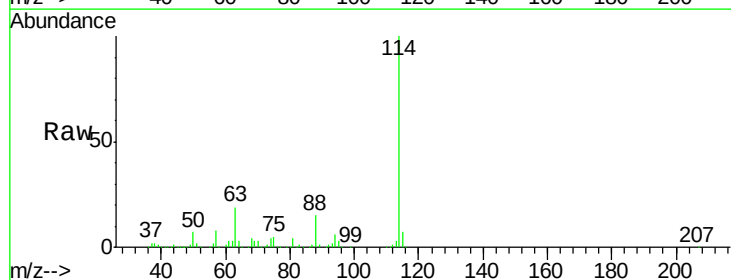
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

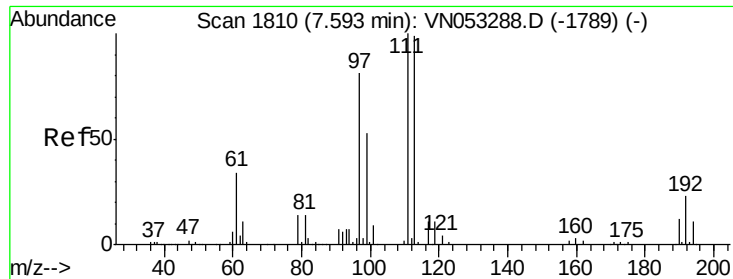
Tot Ion: 65 Resp: 449223
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion: 114 Resp: 1383497
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 15.4 0.0 30.8

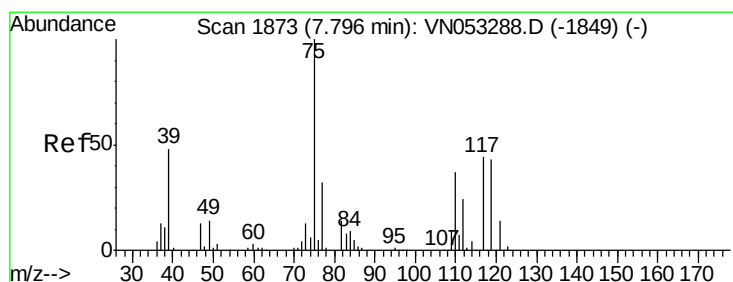
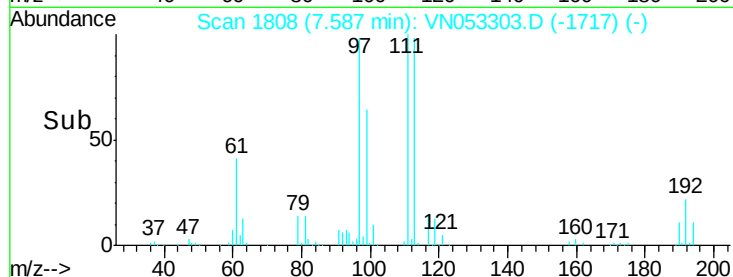
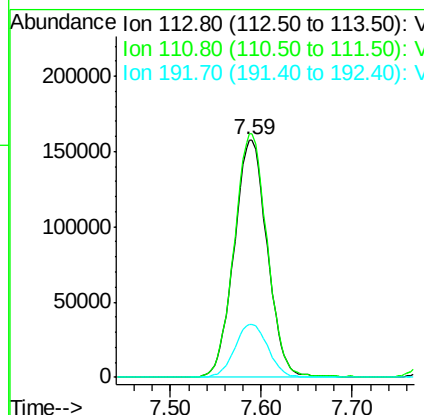
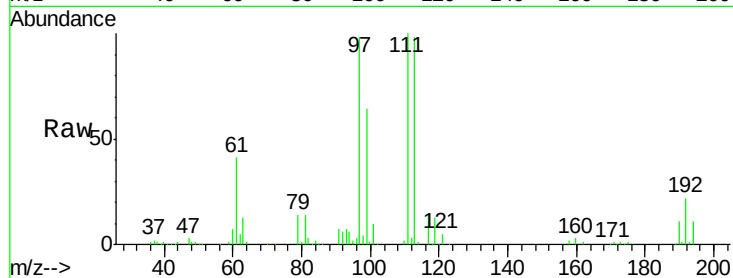




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

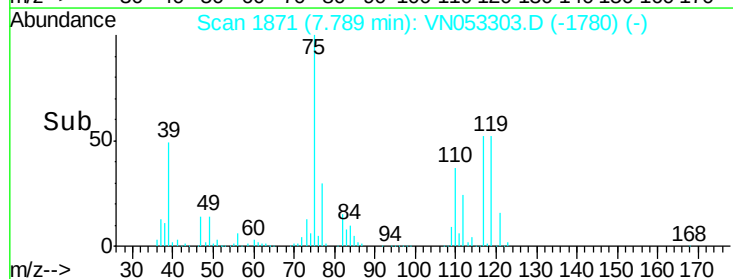
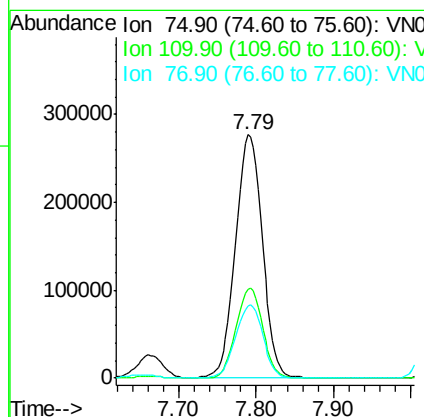
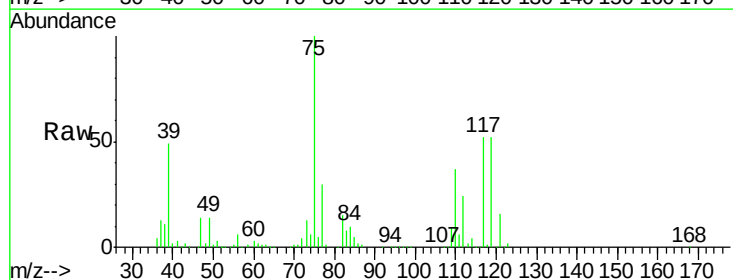
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

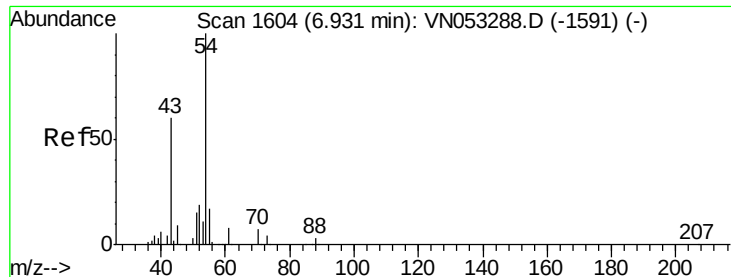
Tot Ion:113 Resp: 398687
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.4 122.2
 192 22.6 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 51.554 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion: 75 Resp: 665868
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.4 55.0
 77 30.9 25.3 37.9

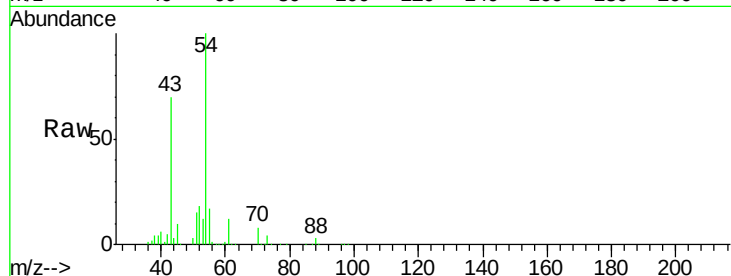




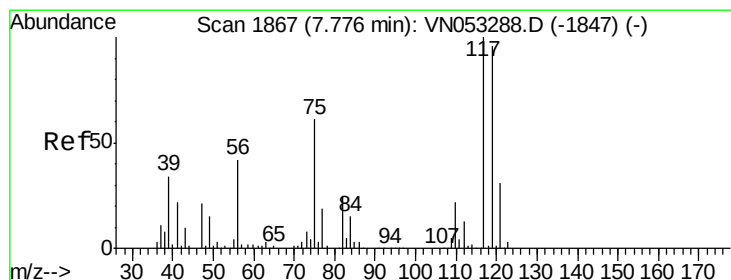
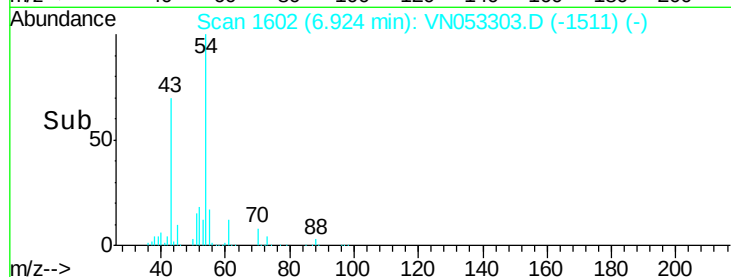
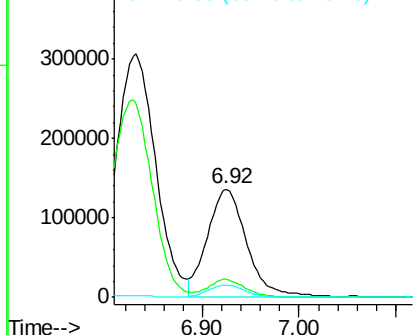
#37
Ethyl Acetate
Concen: 44.975 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 378370
Ion Ratio Lower Upper
43 100
61 15.9 11.9 17.9
70 11.1 8.6 13.0

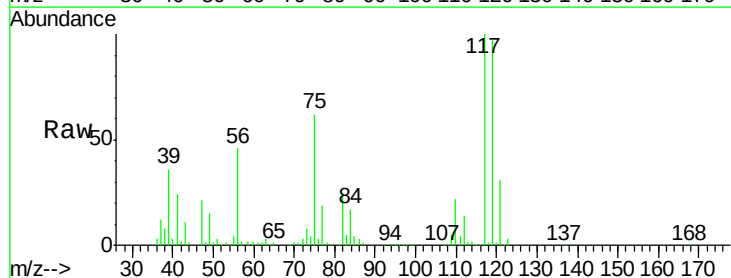


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

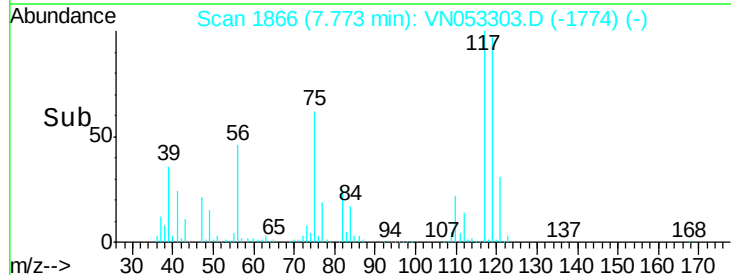
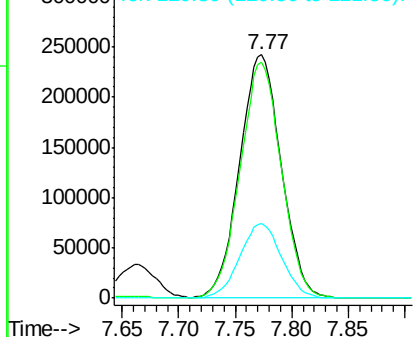


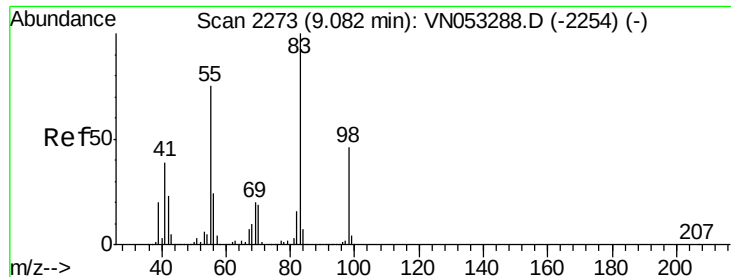
#38
Carbon Tetrachloride
Concen: 51.618 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion: 117 Resp: 615363
Ion Ratio Lower Upper
117 100
119 96.9 76.6 115.0
121 30.6 25.0 37.4



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

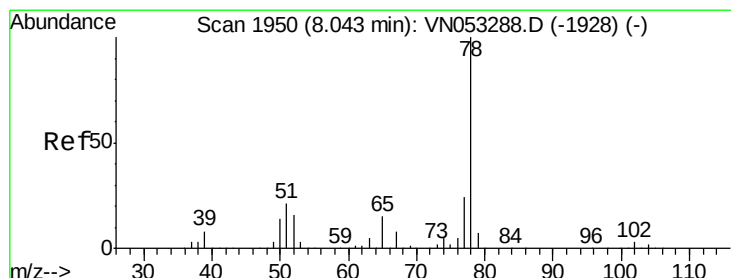
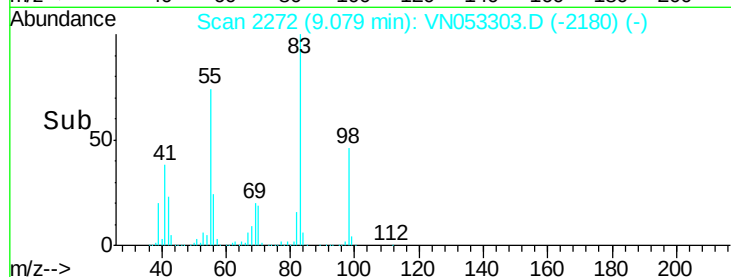
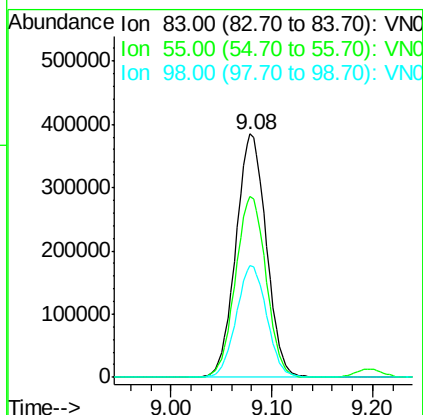
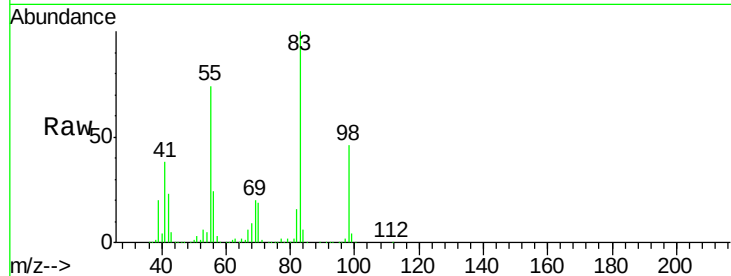




#39
Methylvlcyclohexane
Concen: 53.683 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

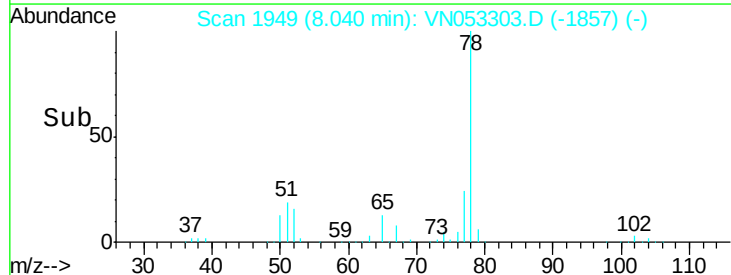
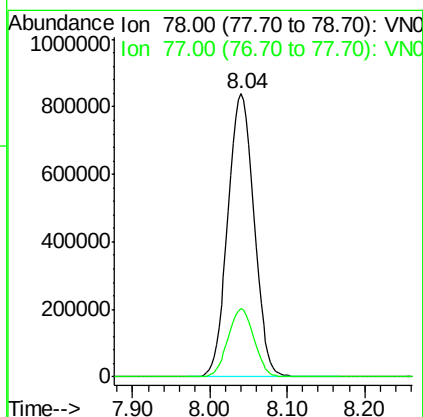
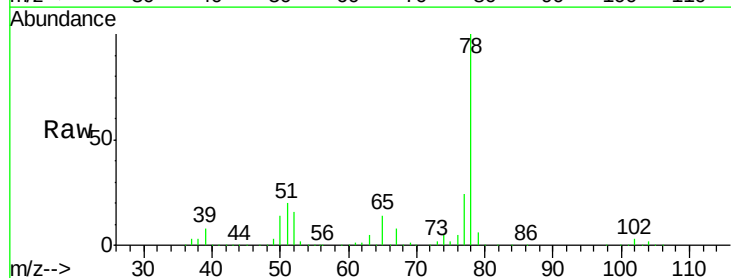
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

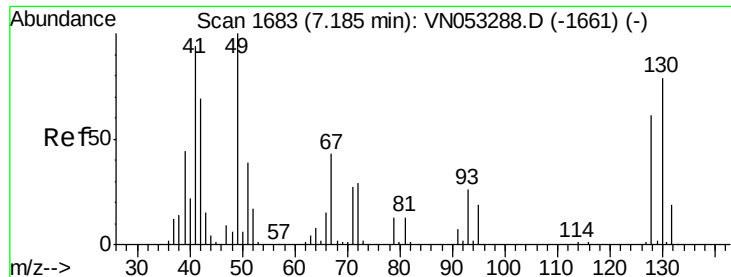
Tot Ion: 83 Resp: 803264
Ion Ratio Lower Upper
83 100
55 74.2 60.1 90.1
98 45.7 36.7 55.1



#40
Benzene
Concen: 49.968 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion: 78 Resp: 1971401
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4





#41

Methacrylonitrile

Concen: 40.366 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.02 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 210835

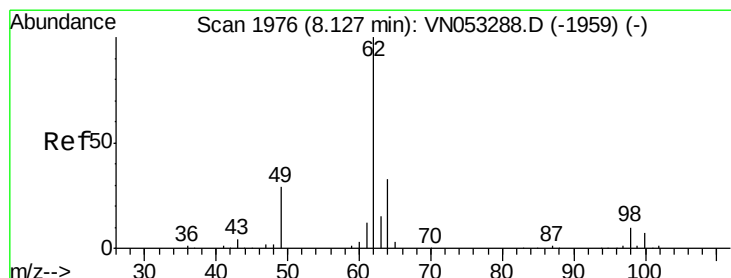
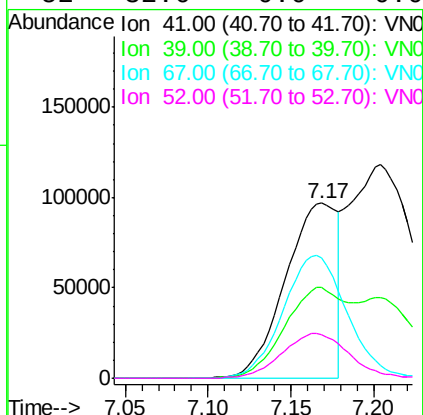
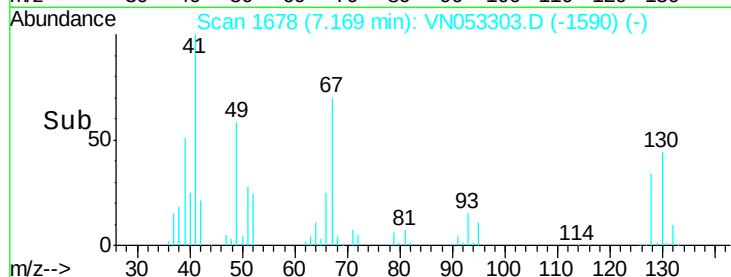
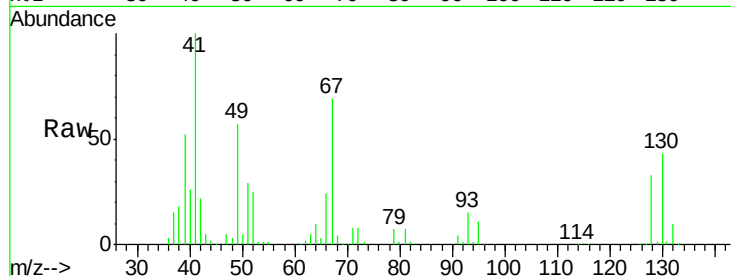
Ion Ratio Lower Upper

41 100

39 62.9 0.0 0.0#

67 87.1 0.0 0.0#

52 32.6 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 48.771 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. -0.01 min

Lab File: VN053303.D

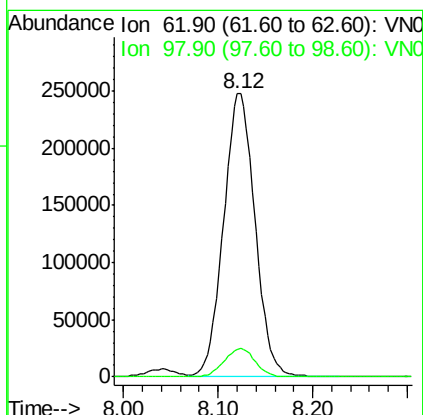
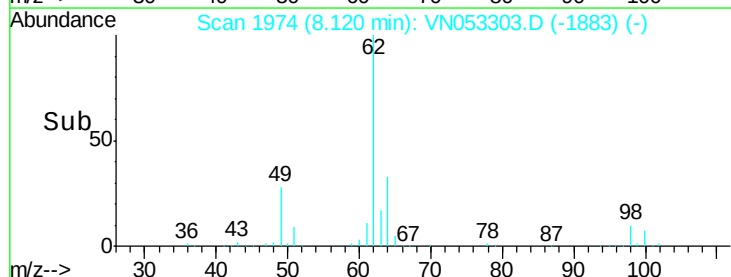
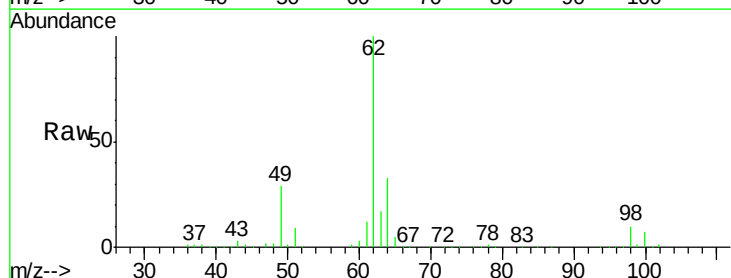
Acq: 7 Jan 2019 16:37

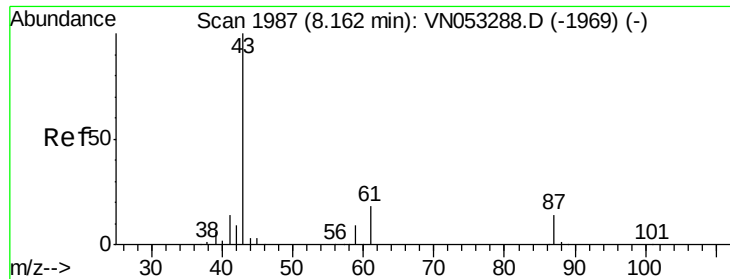
Tgt Ion: 62 Resp: 570755

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.2





#43

Isopropyl Acetate

Concen: 41.809 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

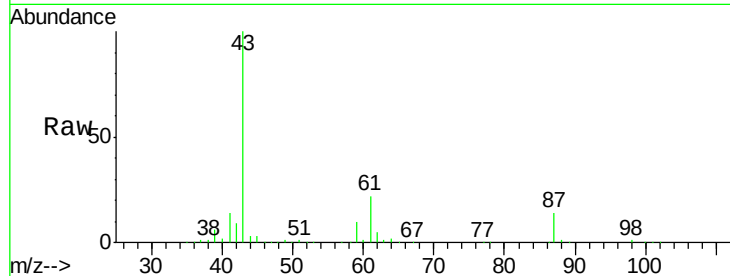
Tot Ion: 43 Resp: 691945

Ion Ratio Lower Upper

43 100

61 30.3 23.3 34.9

87 13.9 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053288.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053288.D (-1969) (-)

8.16

400000

300000

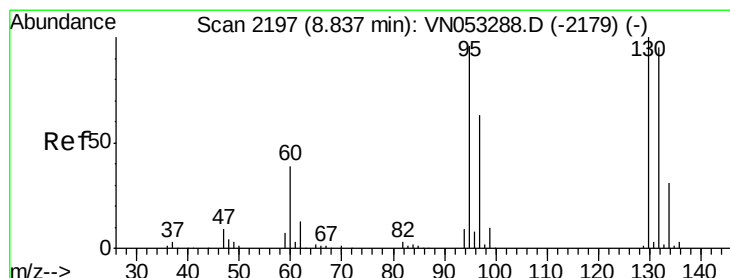
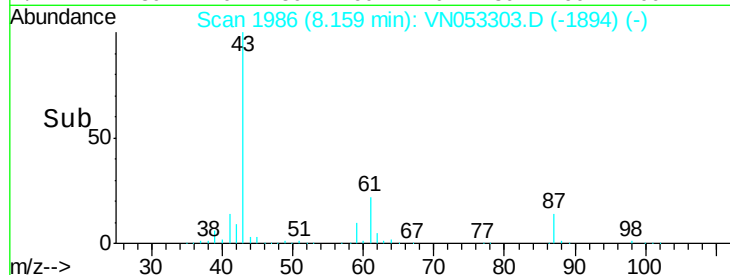
200000

100000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 50.433 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053303.D

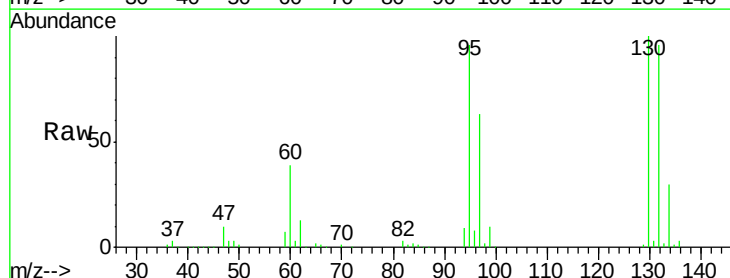
Acq: 7 Jan 2019 16:37

Tgt Ion:130 Resp: 546353

Ion Ratio Lower Upper

130 100

95 95.7 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): VN053288.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053288.D (-2179) (-)

8.83

300000

250000

200000

150000

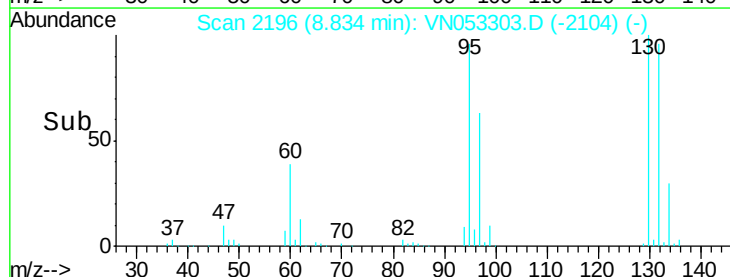
100000

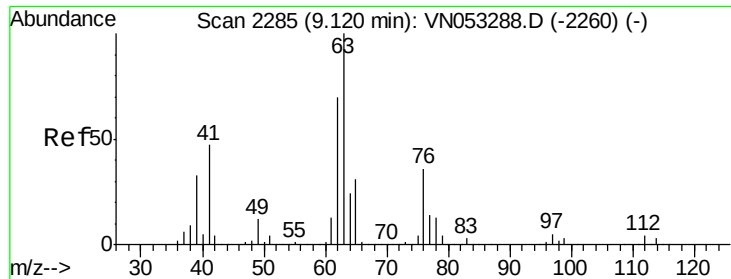
50000

0

8.70 8.80 8.90 9.00

Time-->

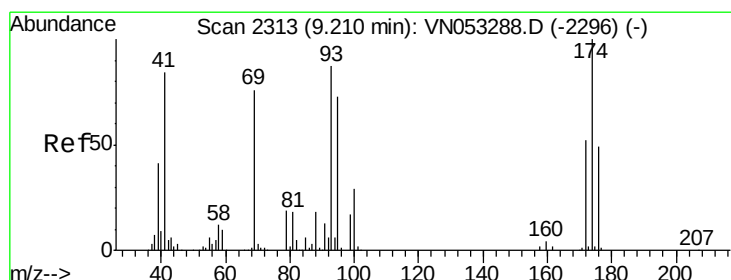
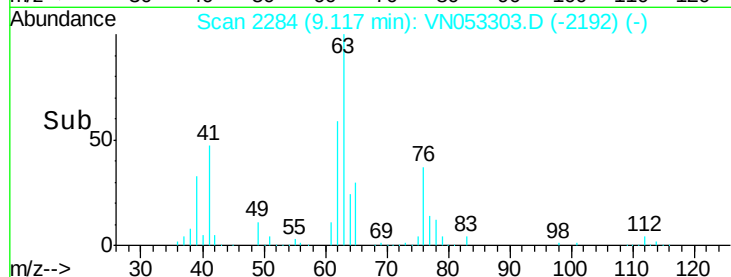
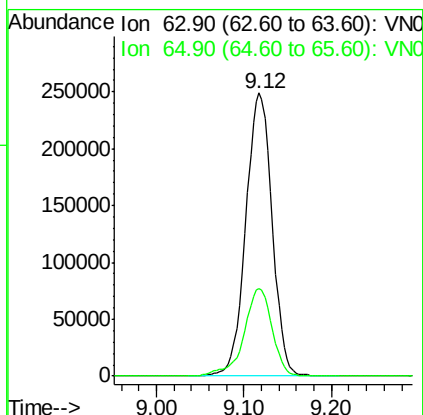
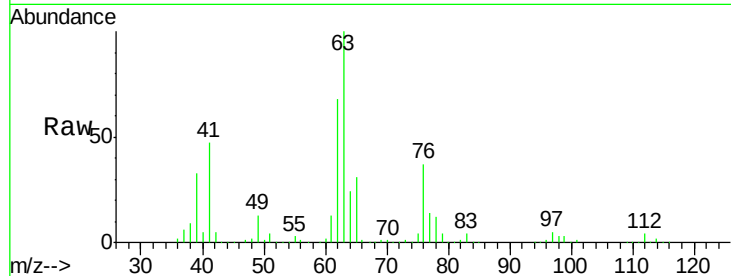




#45
 1,2-Dichloropropane
 Concen: 50.128 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

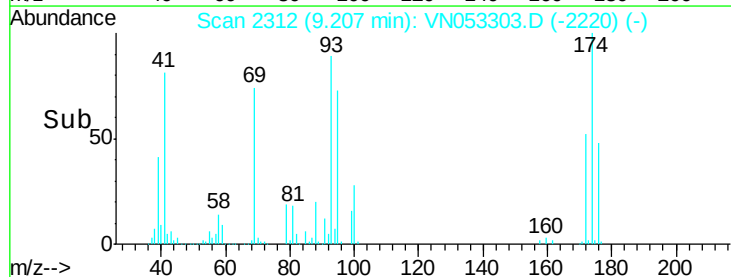
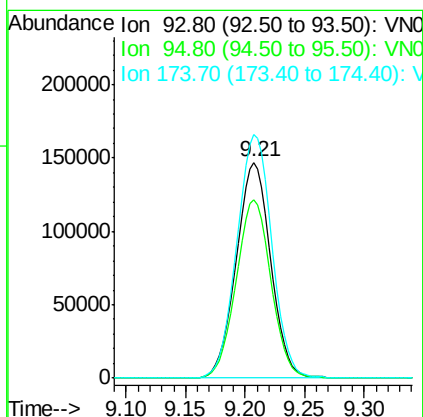
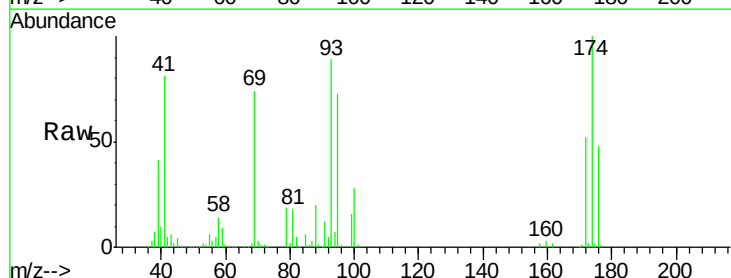
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

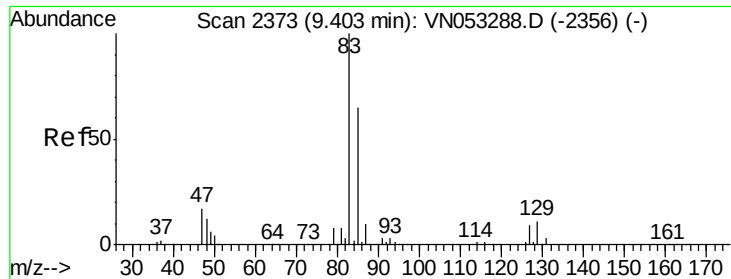
Tot Ion: 63 Resp: 518704
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6



#46
 Dibromomethane
 Concen: 48.960 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion: 93 Resp: 295392
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.6 100.0
 174 115.1 91.4 137.0





#47

Bromodichloromethane

Concen: 50.330 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

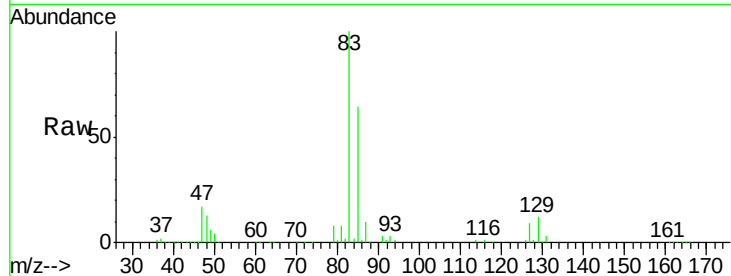
Tot Ion: 83 Resp: 632810

Ion Ratio Lower Upper

83 100

85 63.6 51.7 77.5

127 8.8 7.0 10.6

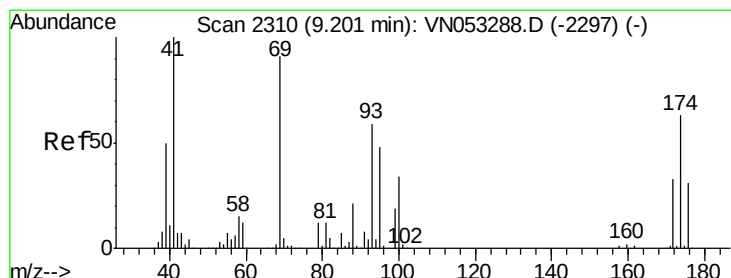
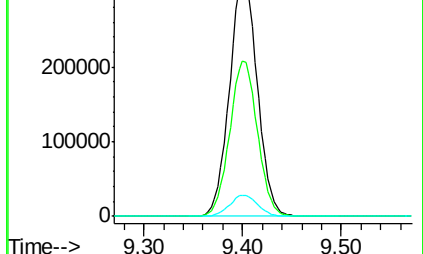
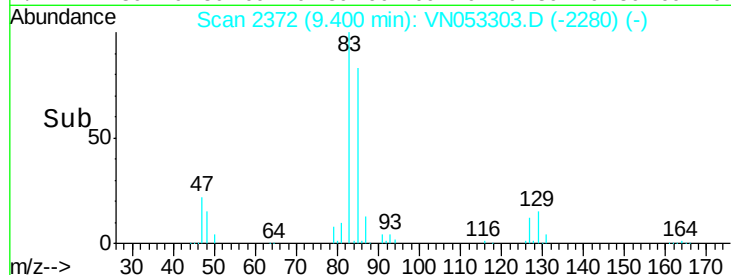


Abundance Ion 82.90 (82.60 to 83.60): VN053303.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053303.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053303.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 46.971 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

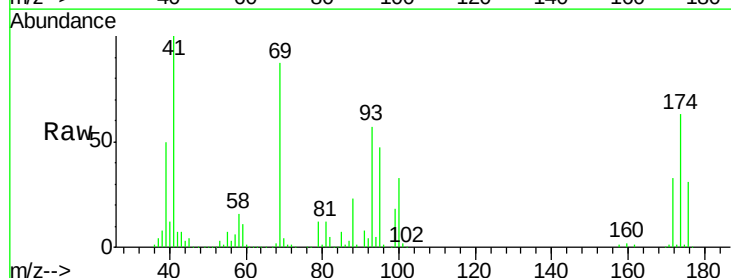
Tgt Ion: 41 Resp: 353177

Ion Ratio Lower Upper

41 100

69 92.0 73.5 110.3

39 52.1 41.6 62.4

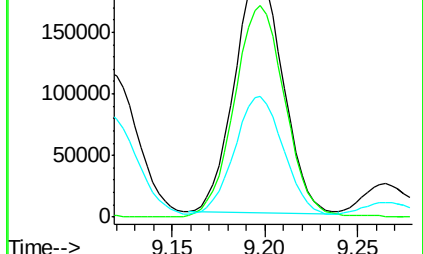
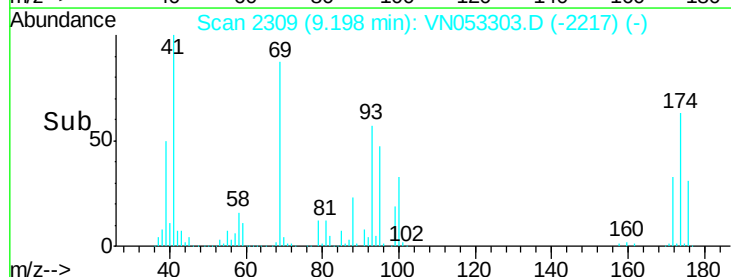


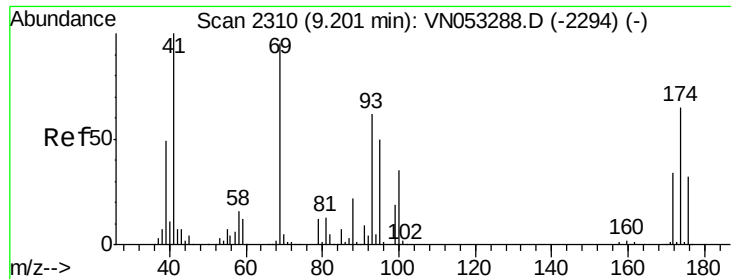
Abundance Ion 41.00 (40.70 to 41.70): VN053303.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN053303.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN053303.D (-2217) (-)

Time-->

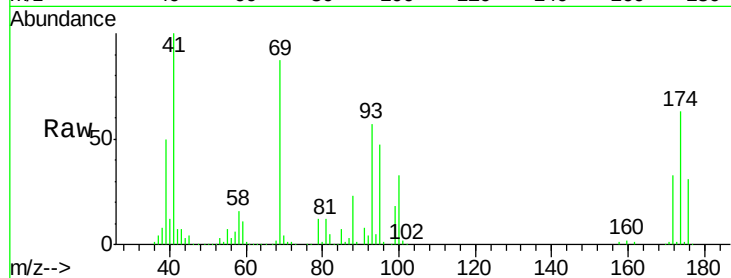




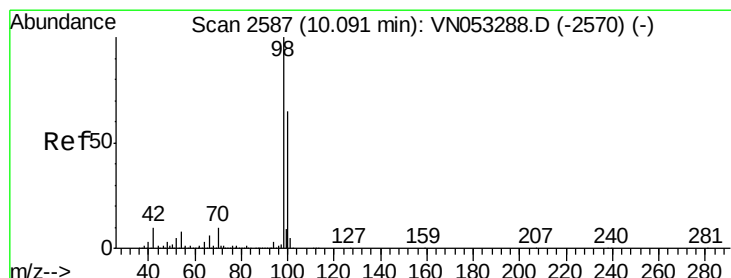
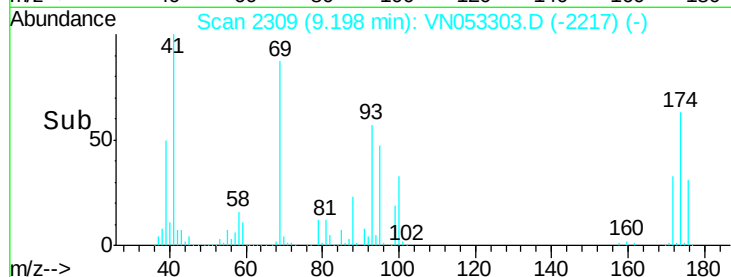
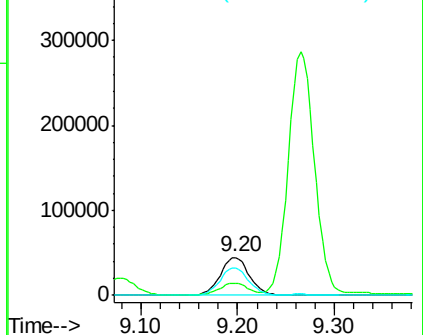
#49
1,4-Dioxane
Concen: 1163.762 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 93228
Ion Ratio Lower Upper
88 100
43 30.3 26.2 39.4
58 70.4 55.5 83.3

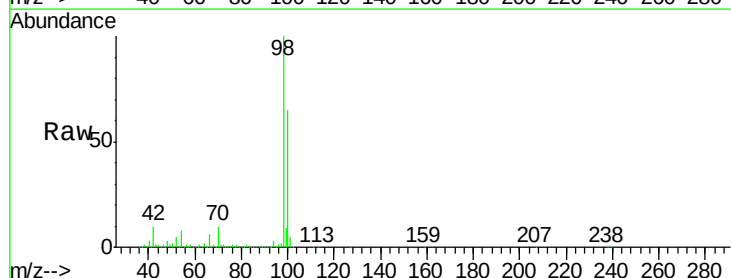


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

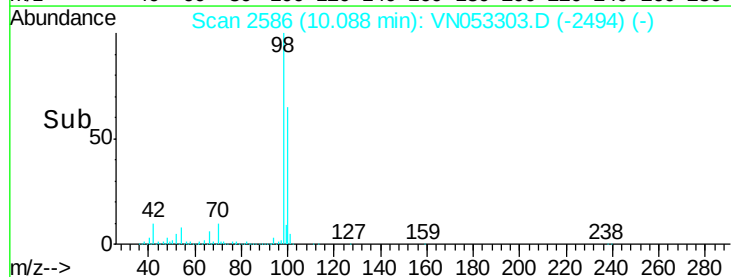
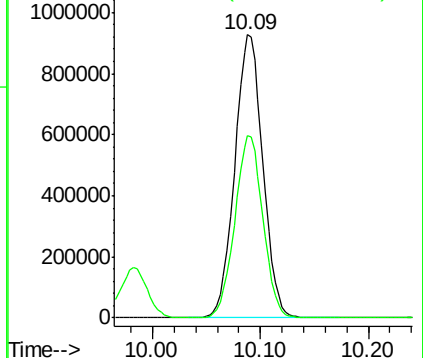


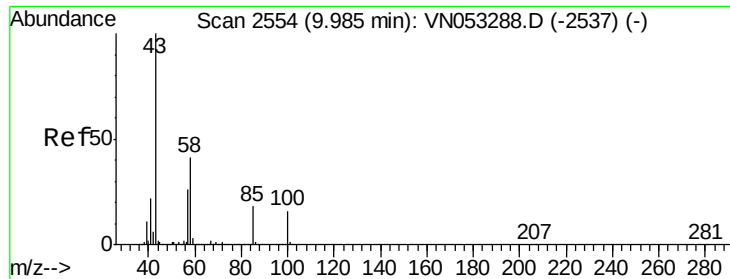
#50
Toluene-d8
Concen: 1163.762 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion: 98 Resp: 1679873
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



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: 227.339 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

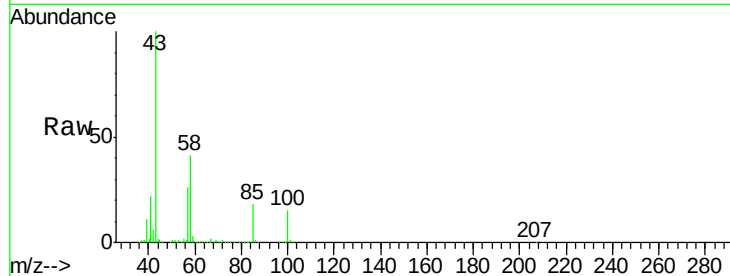
VSTDCCC050EC

Tot Ion: 43 Resp: 1892096

Ion Ratio Lower Upper

43 100

58 40.8 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN053288.D (-2537) (-)

9.98

1200000

1000000

800000

600000

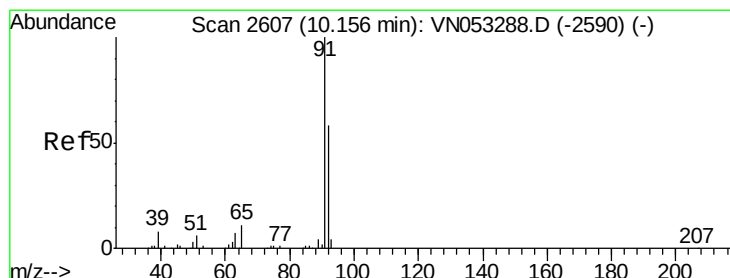
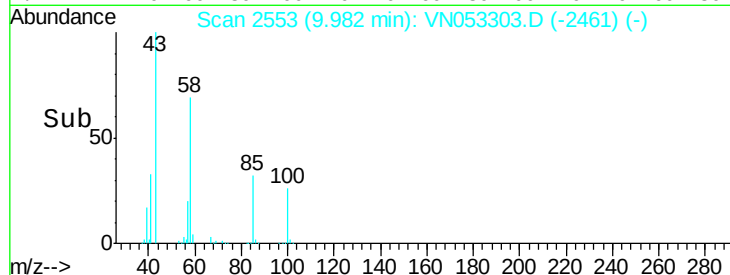
400000

200000

0

Time-->

9.90 10.00 10.10



#52

Toluene

Concen: 50.868 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053303.D

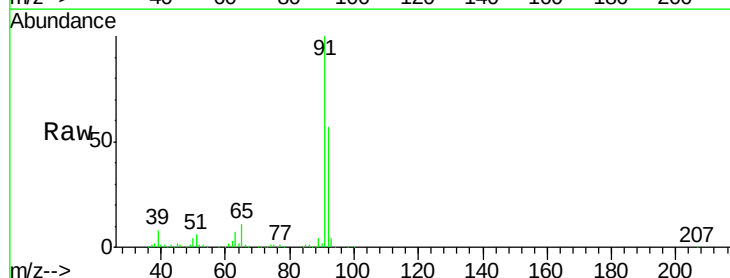
Acq: 7 Jan 2019 16:37

Tgt Ion: 92 Resp: 1231223

Ion Ratio Lower Upper

92 100

91 175.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN053288.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN053288.D (-2590) (-)

10.15

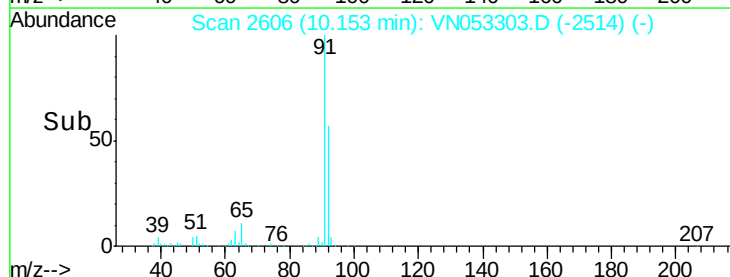
1000000

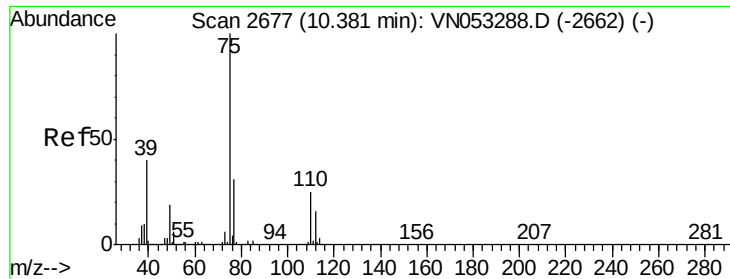
500000

0

Time-->

10.10 10.20





#53

t-1,3-Dichloropropene

Concen: 51.583 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

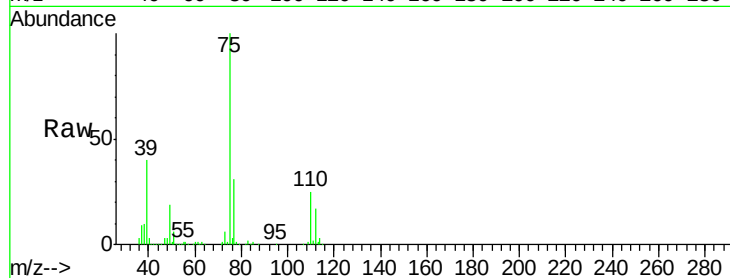
VSTDCCC050EC

Tot Ion: 75 Resp: 663465

Ion Ratio Lower Upper

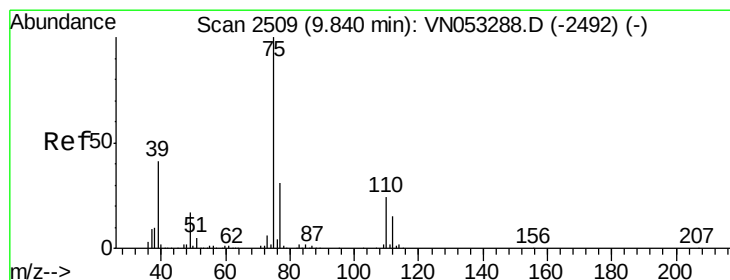
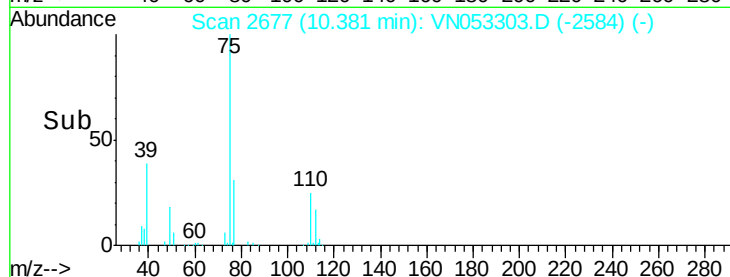
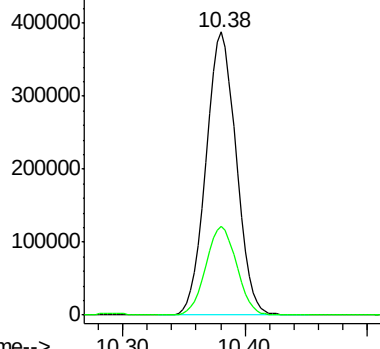
75 100

77 31.0 25.0 37.4



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: 52.271 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

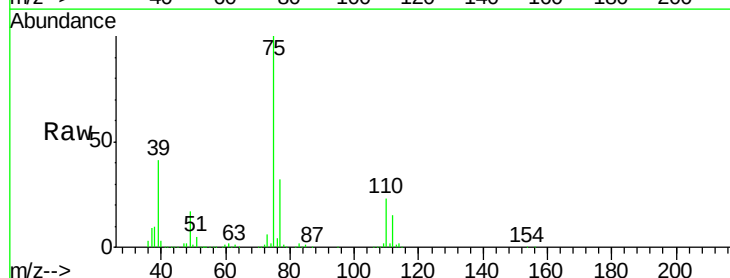
Tgt Ion: 75 Resp: 776899

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

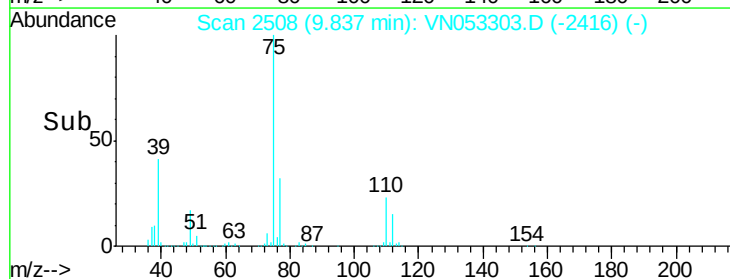
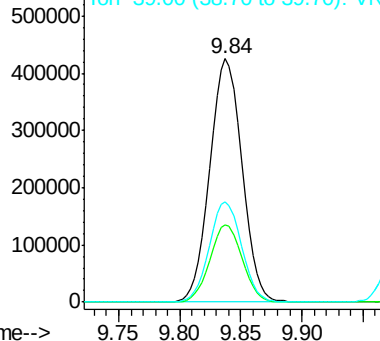
39 41.2 33.1 49.7

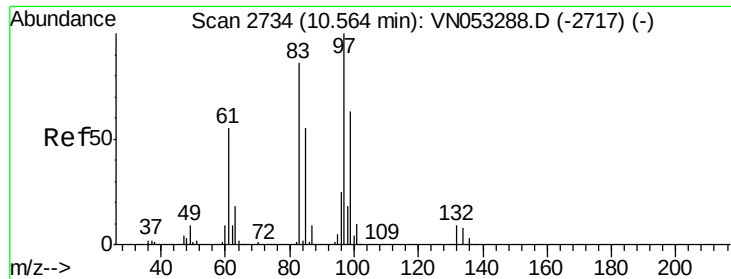


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



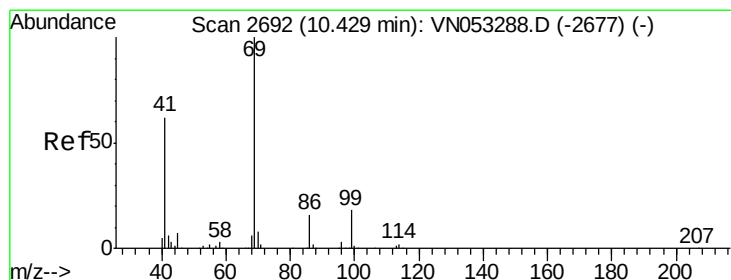
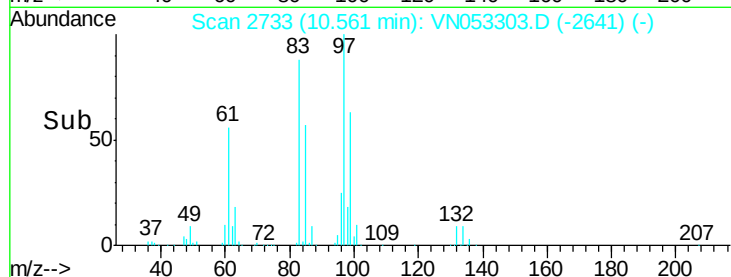
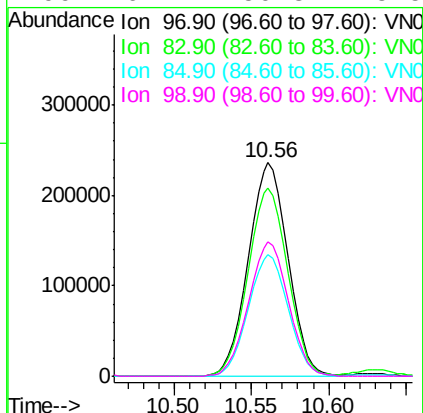
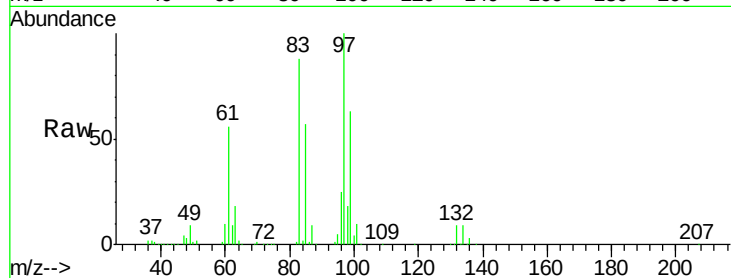


#55
 1,1,2-Trichloroethane
 Concen: 47.428 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 422103

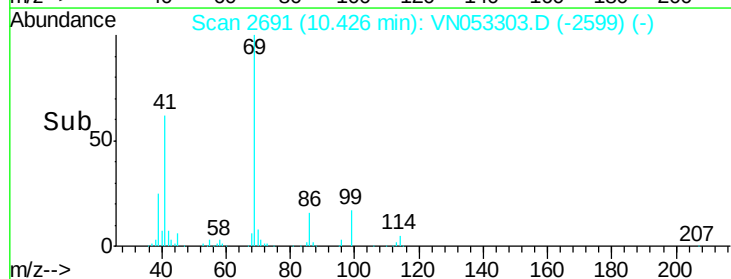
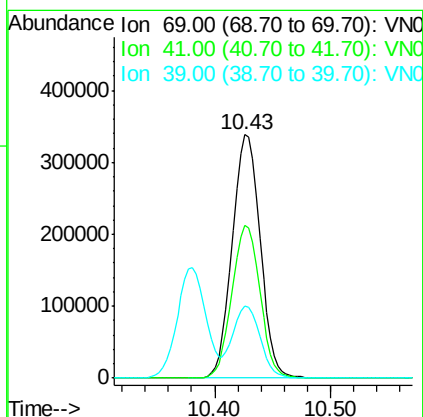
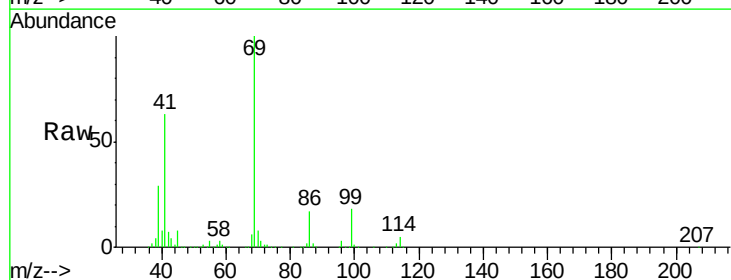
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.1	103.7
85	56.9	44.2	66.4
99	62.7	50.3	75.5

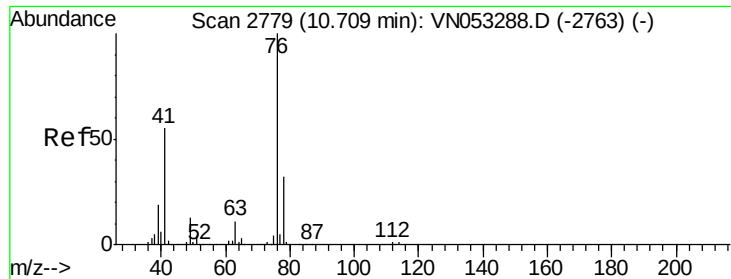


#56
 Ethyl methacrylate
 Concen: 48.897 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion: 69 Resp: 565513

Ion	Ratio	Lower	Upper
69	100		
41	62.3	49.2	73.8
39	28.5	23.4	35.0

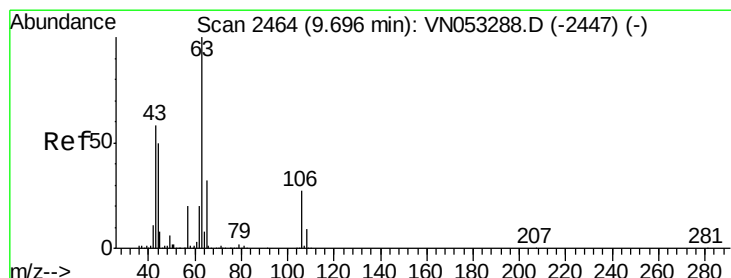
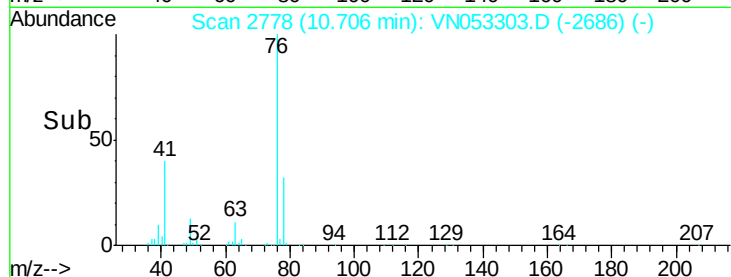
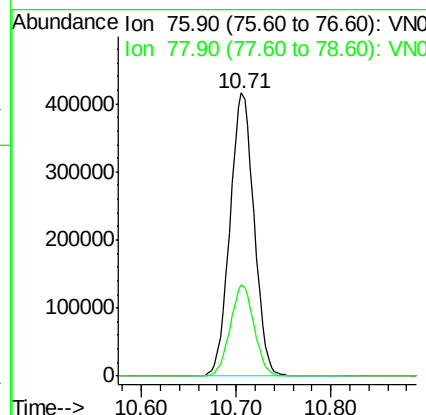
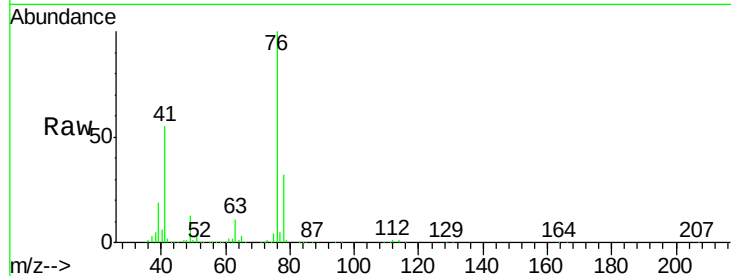




#57
 1,3-Dichloropropane
 Concen: 49.433 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

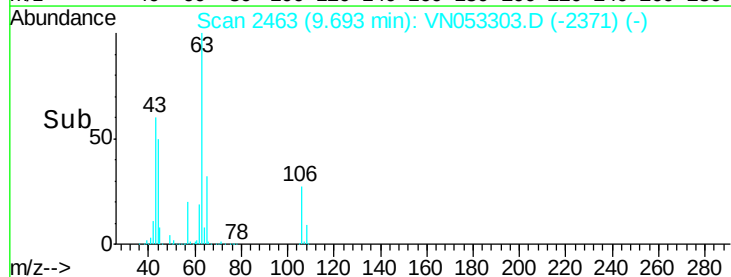
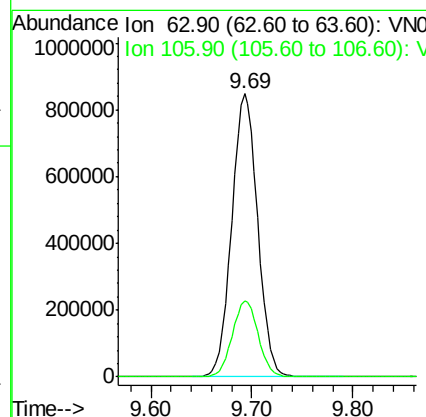
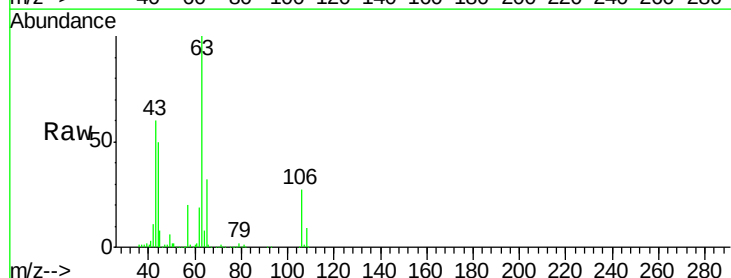
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

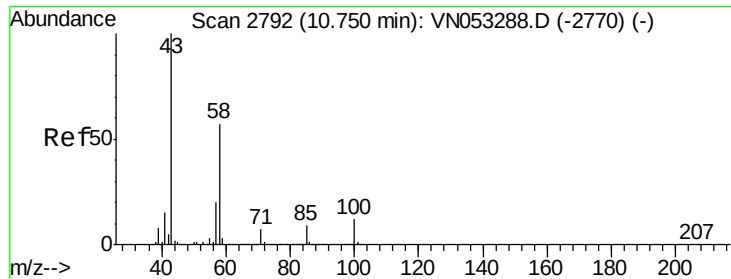
Tot Ion: 76 Resp: 735720
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.945 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion: 63 Resp: 1512769
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.7 32.5

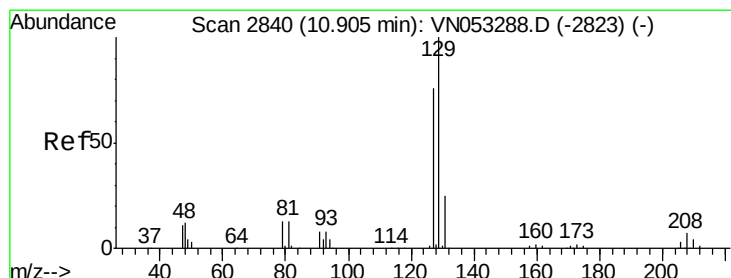
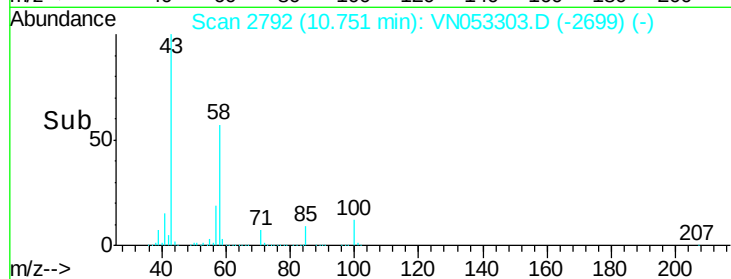
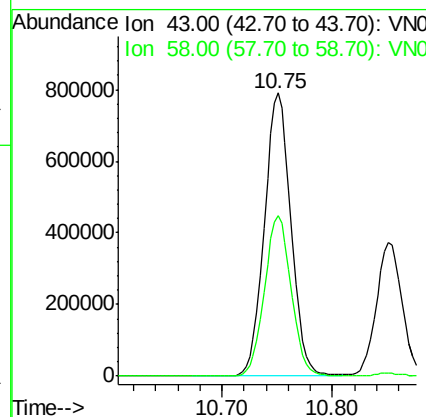
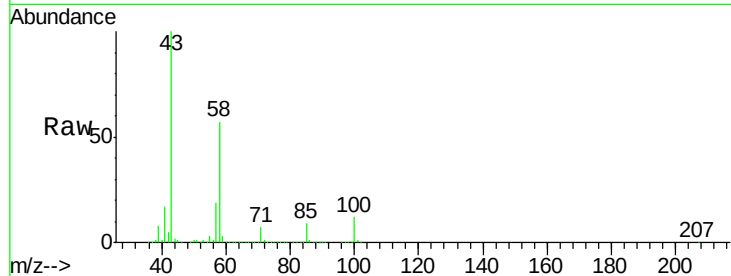




#59
2-Hexanone
Concen: 230.724 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

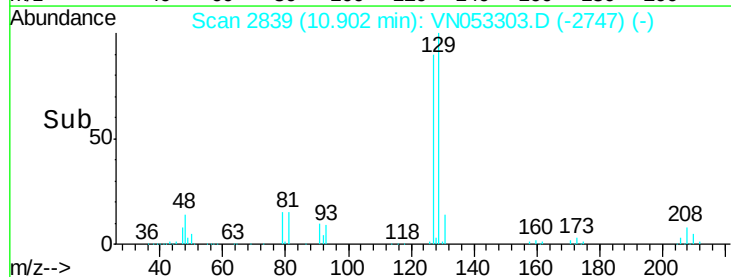
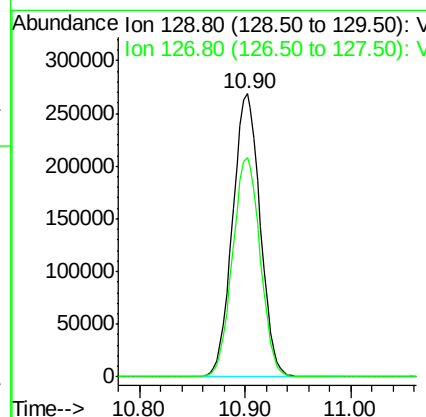
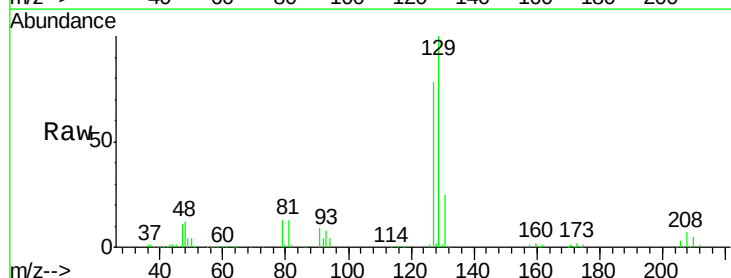
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

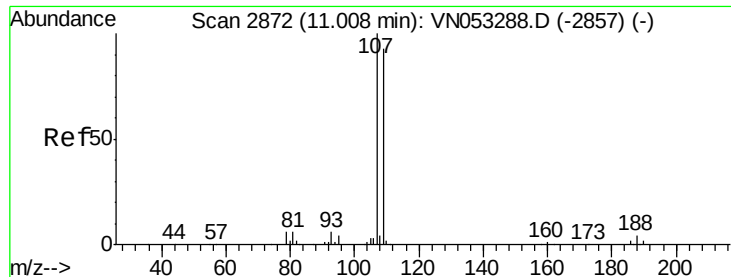
Tot Ion: 43 Resp: 1315695
Ion Ratio Lower Upper
43 100
58 57.3 28.3 85.0



#60
Dibromochloromethane
Concen: 50.566 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion: 129 Resp: 485397
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2

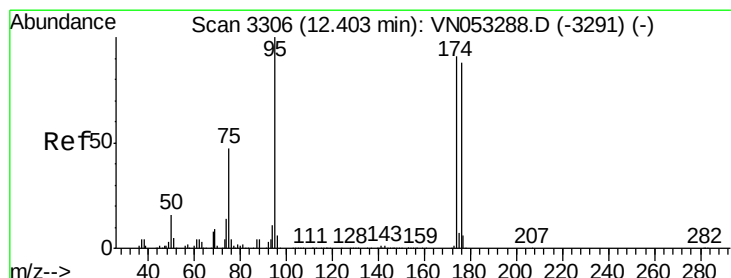
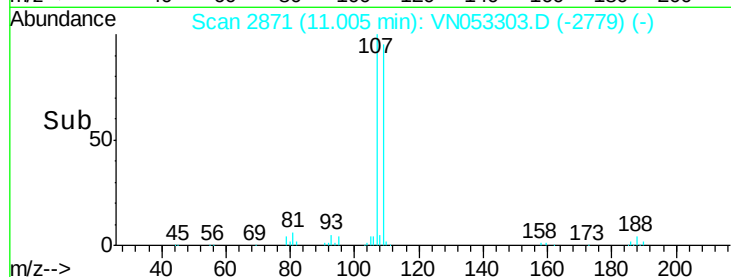
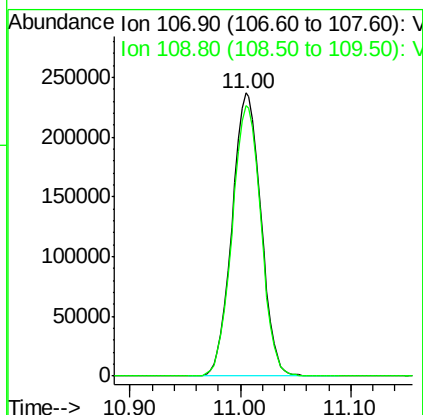
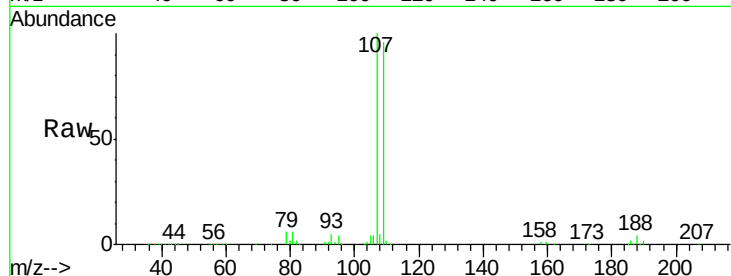




#61
 1,2-Dibromoethane
 Concen: 48.886 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

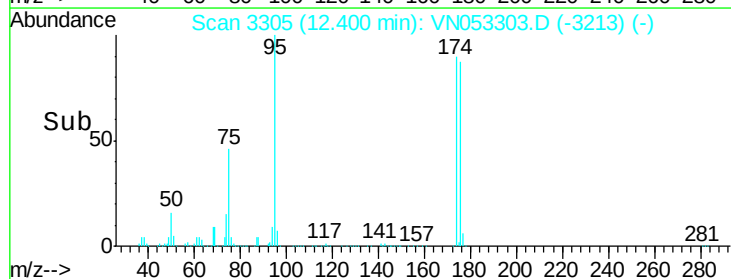
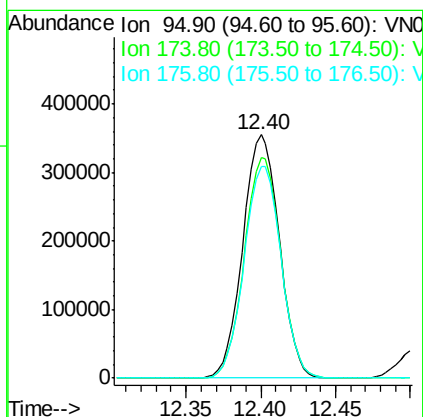
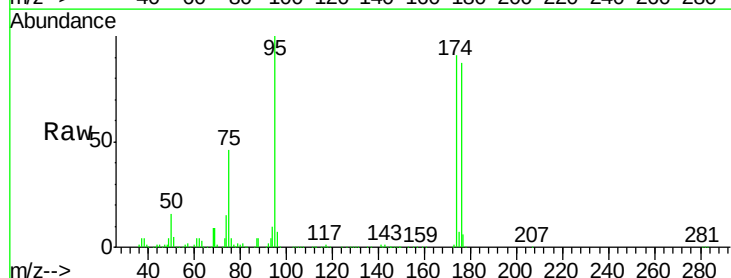
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

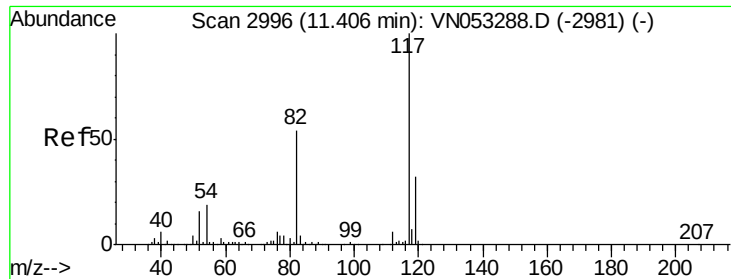
Tot Ion:107 Resp: 429345
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.886 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion: 95 Resp: 604194
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 180.4
 176 87.9 0.0 175.6

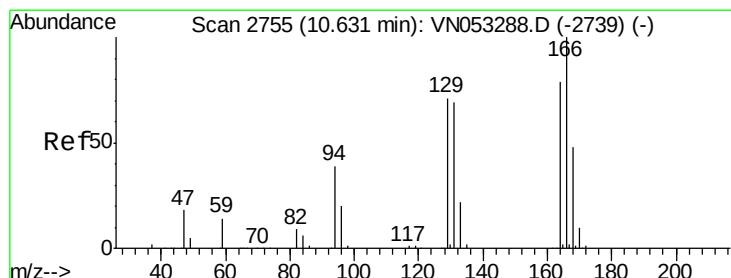
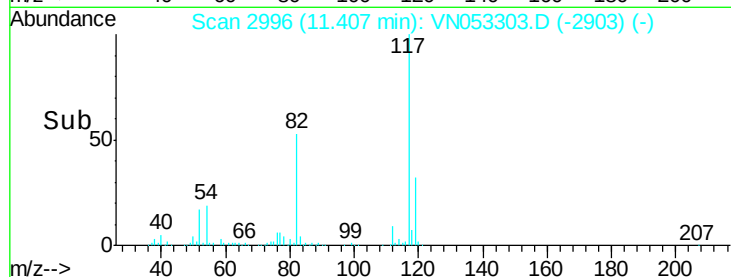
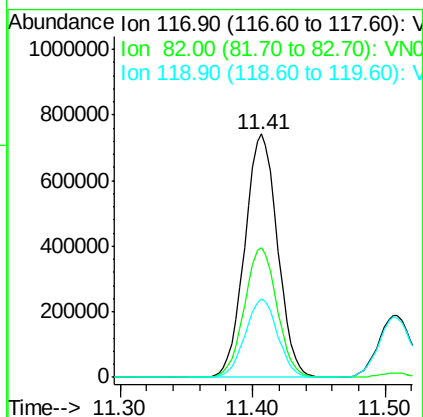
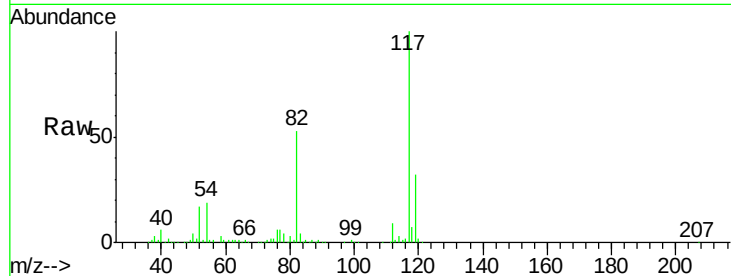




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

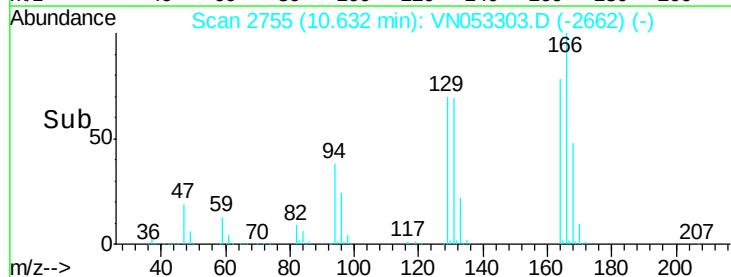
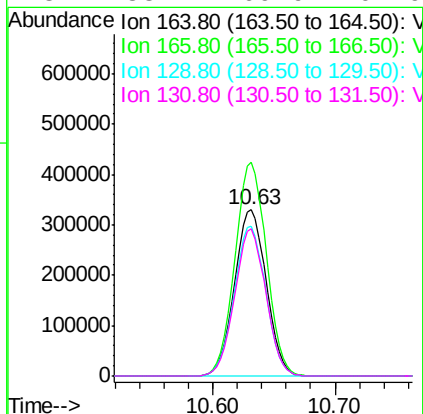
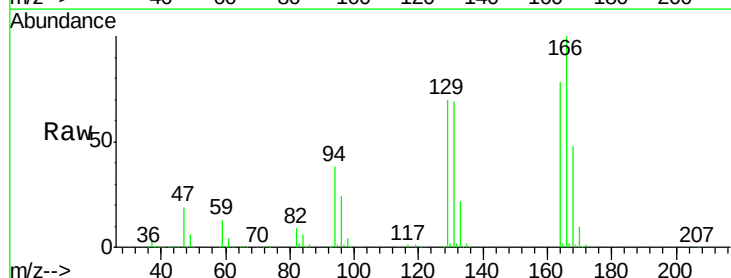
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

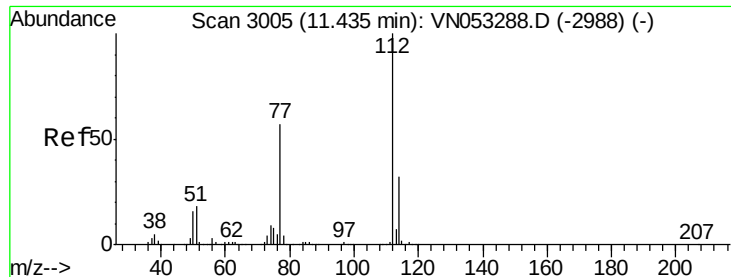
Tot Ion:117 Resp: 1270078
Ion Ratio Lower Upper
117 100
82 53.5 42.9 64.3
119 32.2 25.6 38.4



#64
Tetrachloroethene
Concen: 49.629 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion:164 Resp: 593260
Ion Ratio Lower Upper
164 100
166 128.6 101.7 152.5
129 90.2 72.1 108.1
131 88.4 69.9 104.9





#65

Chlorobenzene

Concen: 49.556 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

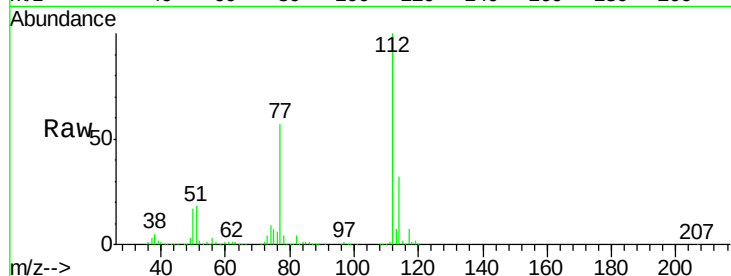
VSTDCCC050EC

Tot Ion:112 Resp: 1367289

Ion Ratio Lower Upper

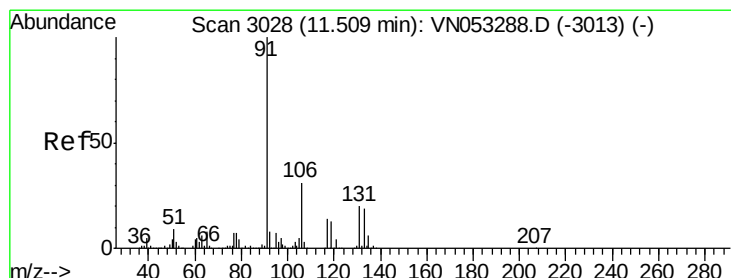
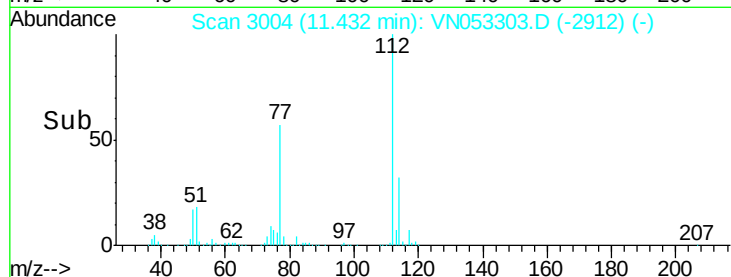
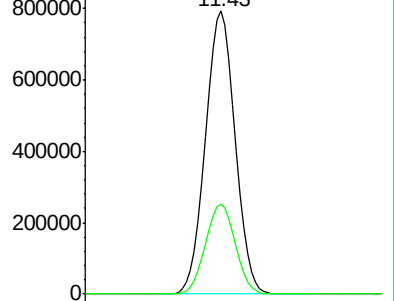
112 100

114 32.0 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.974 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

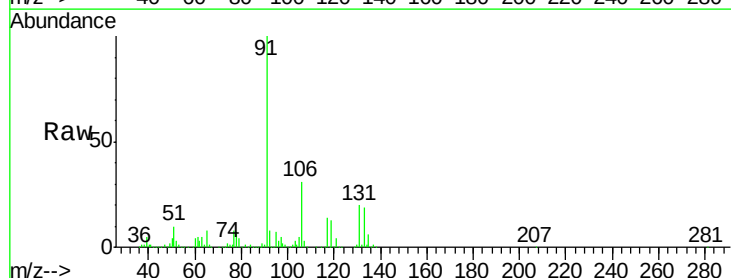
Tgt Ion:131 Resp: 472949

Ion Ratio Lower Upper

131 100

133 97.4 48.0 144.0

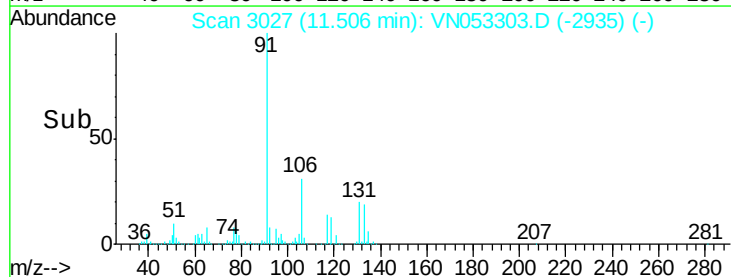
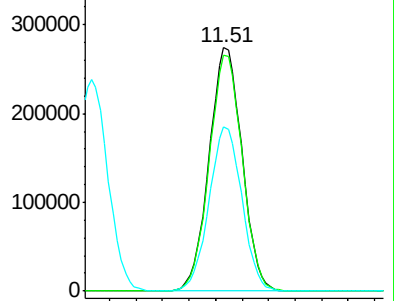
119 67.4 33.3 99.9

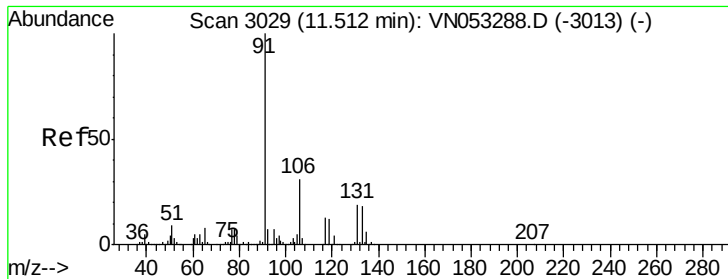


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

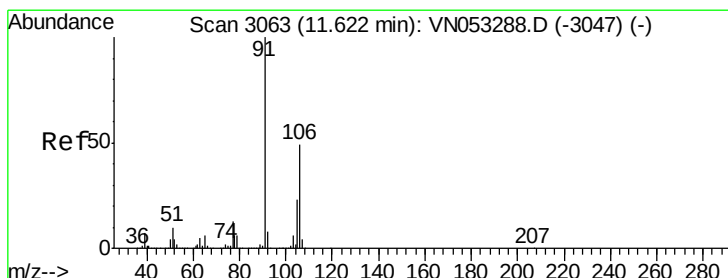
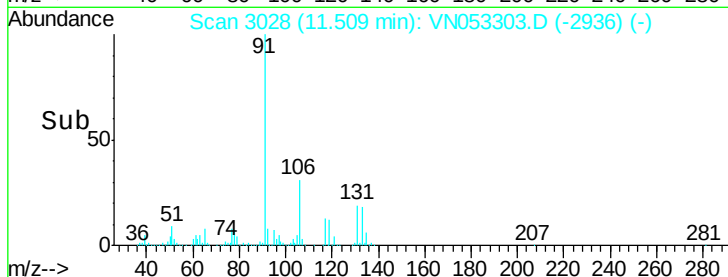
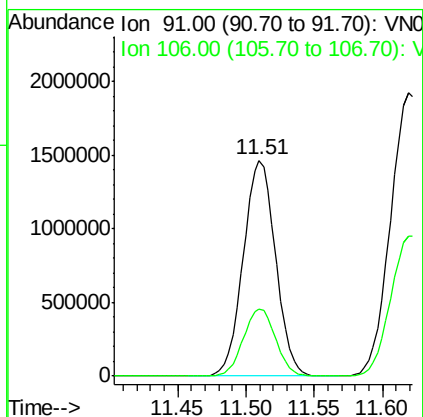
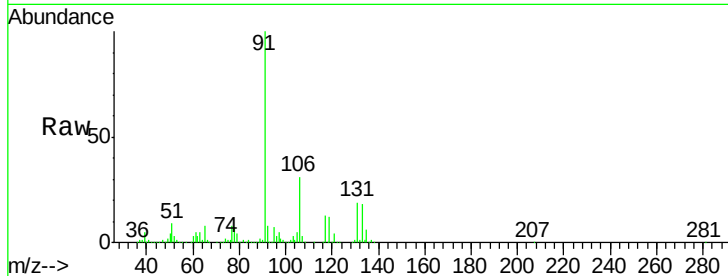




#67
Ethyl Benzene
Concen: 51.247 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

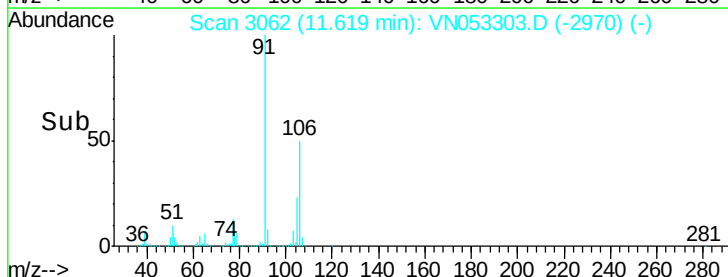
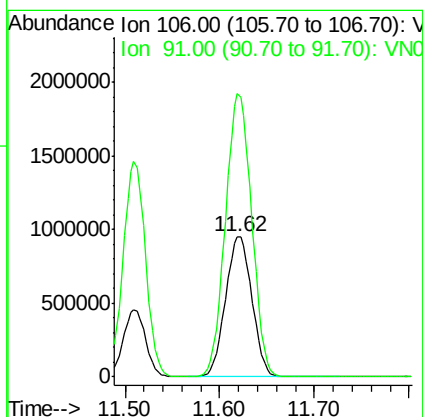
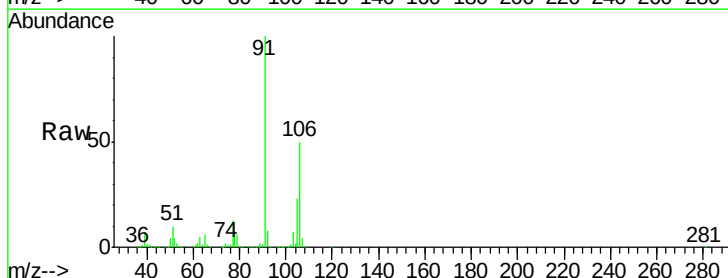
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

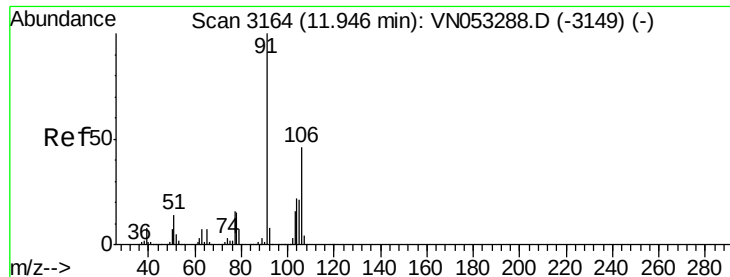
Tot Ion: 91 Resp: 2402603
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 104.448 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion: 106 Resp: 1841346
Ion Ratio Lower Upper
106 100
91 201.1 161.4 242.2





#69

o-Xylene

Concen: 51.581 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

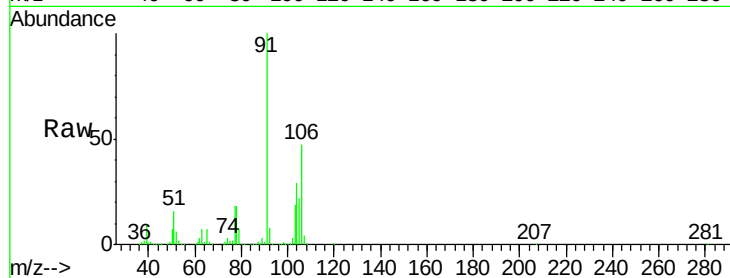
VSTDCCC050EC

Tot Ion:106 Resp: 890243

Ion Ratio Lower Upper

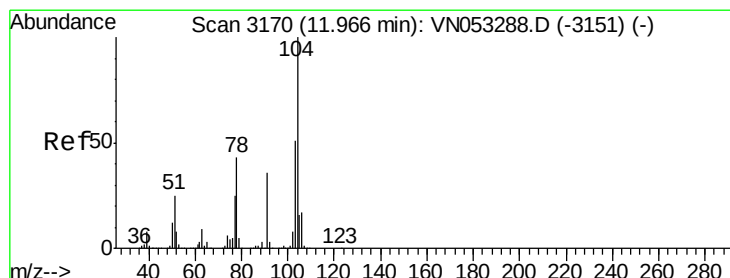
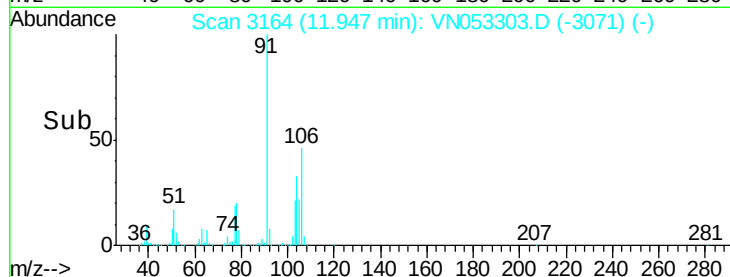
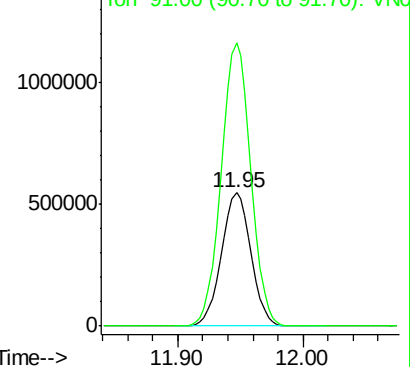
106 100

91 212.6 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 52.779 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

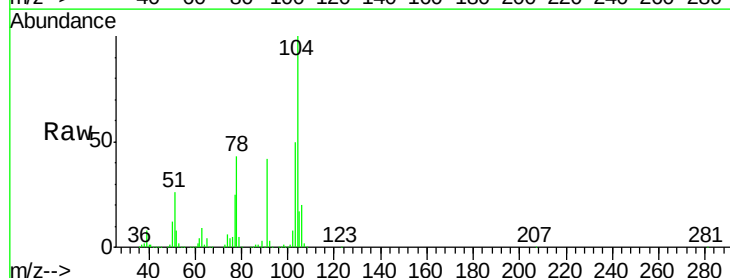
Tgt Ion:104 Resp: 1482542

Ion Ratio Lower Upper

104 100

78 47.9 38.5 57.7

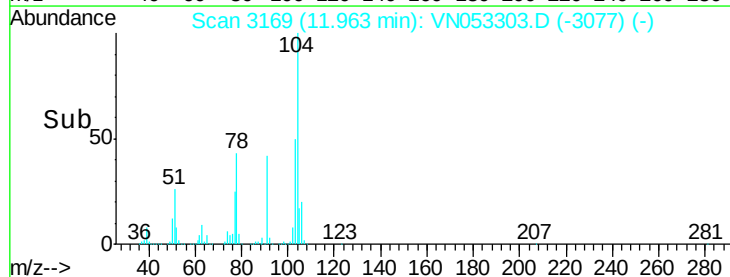
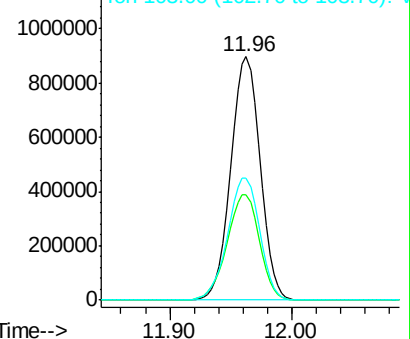
103 54.9 44.5 66.7

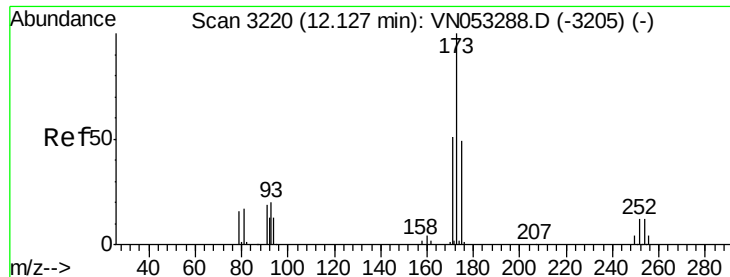


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V

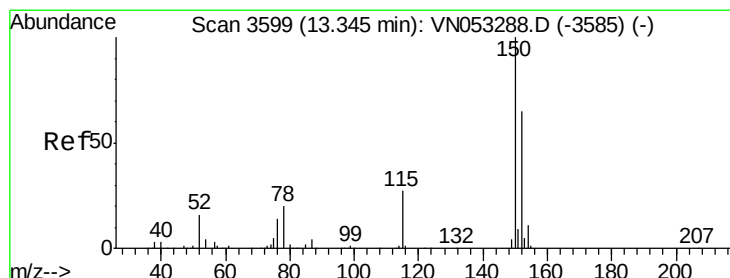
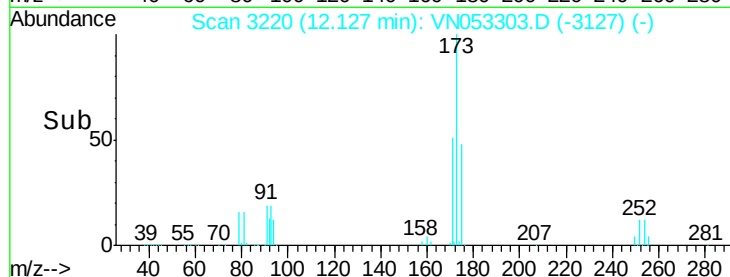
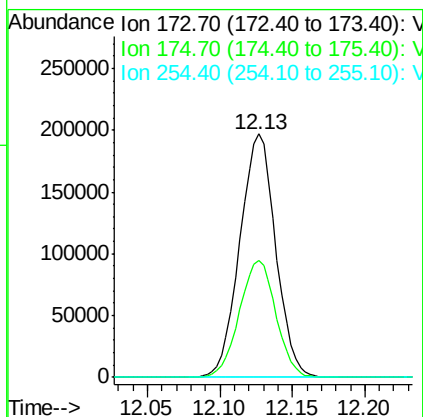
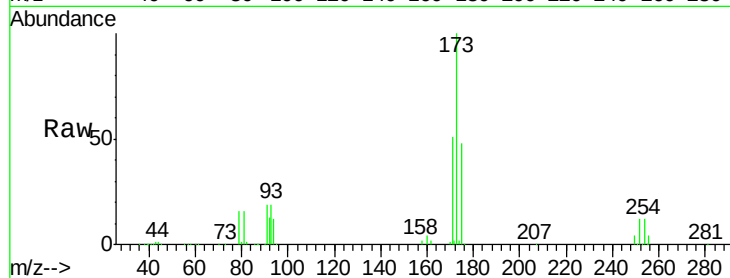




#71
Bromoform
Concen: 49.581 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

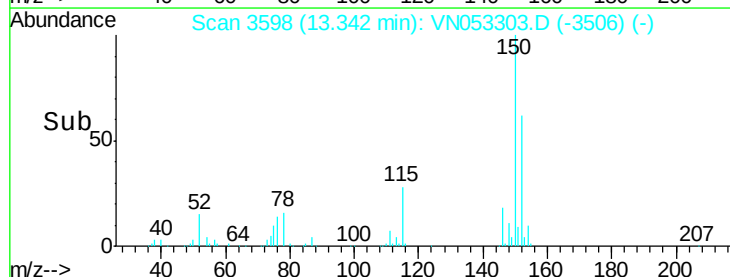
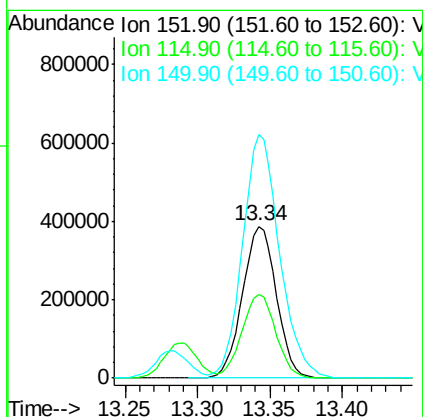
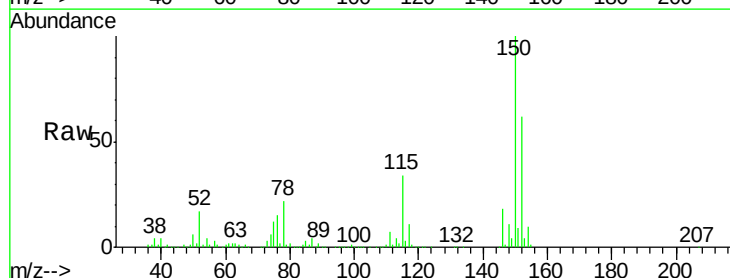
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

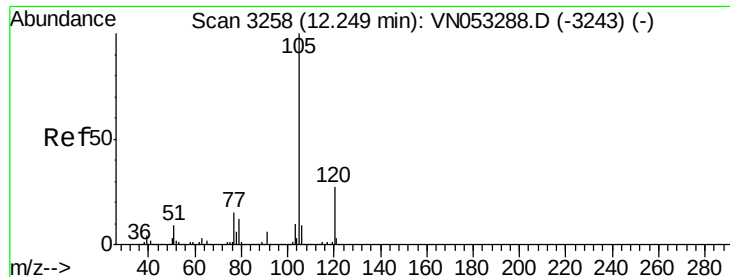
Tot Ion:173 Resp: 338206
Ion Ratio Lower Upper
173 100
175 48.8 24.3 72.8
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion:152 Resp: 627931
Ion Ratio Lower Upper
152 100
115 55.2 28.0 84.0
150 175.0 0.0 346.6





#73

Isopropylbenzene

Concen: 50.534 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

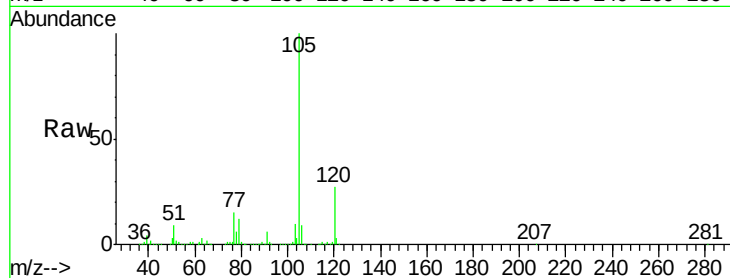
VSTDCCC050EC

Tot Ion:105 Resp: 2362532

Ion Ratio Lower Upper

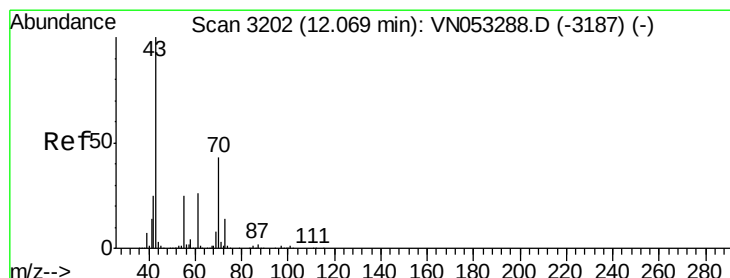
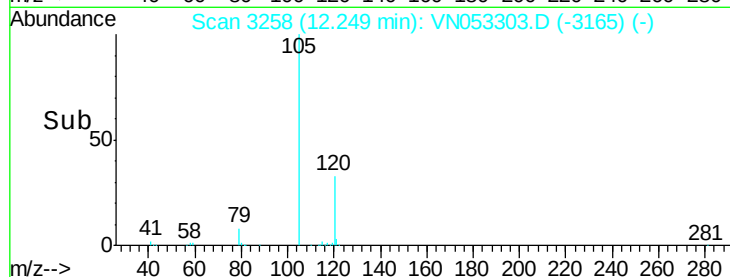
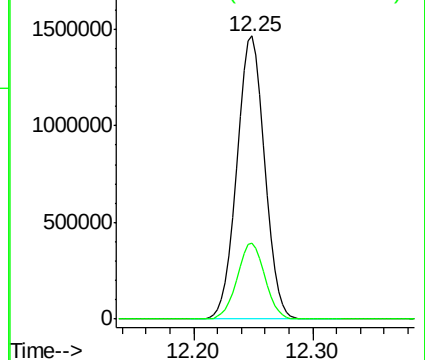
105 100

120 26.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.030 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Tgt Ion: 43 Resp: 656548

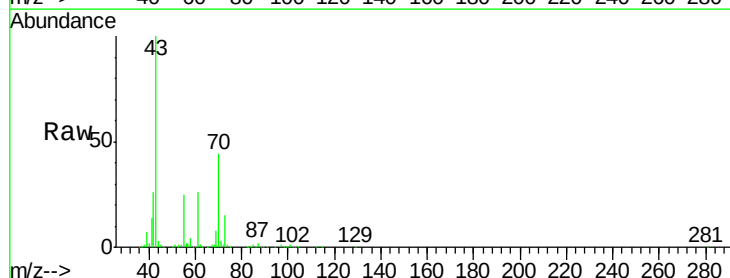
Ion Ratio Lower Upper

43 100

70 43.8 35.0 52.6

55 25.1 20.0 30.0

61 25.3 20.3 30.5

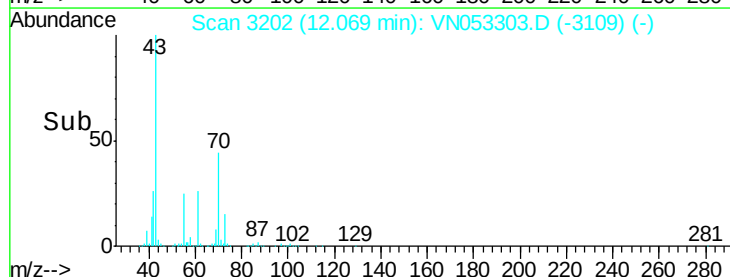
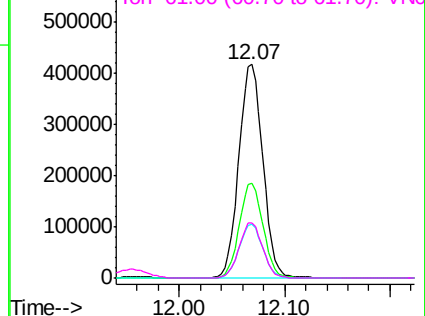


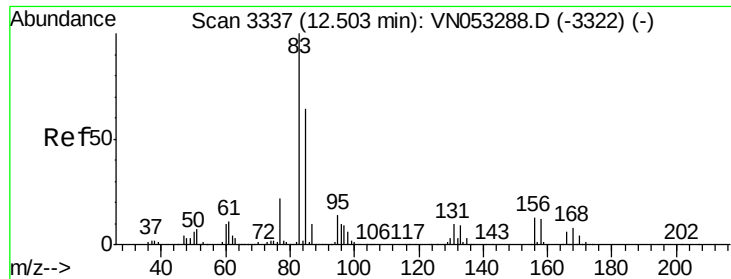
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.324 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

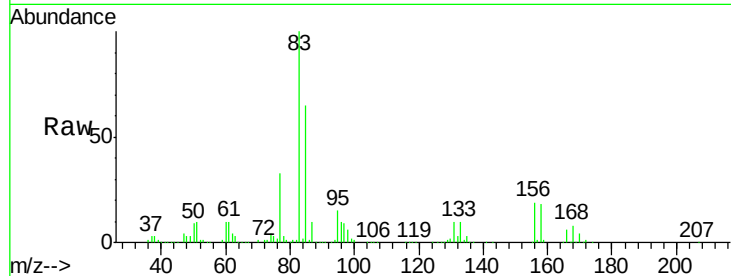
Tot Ion: 83 Resp: 476675

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

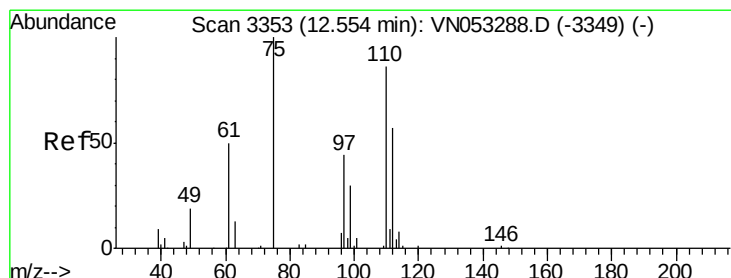
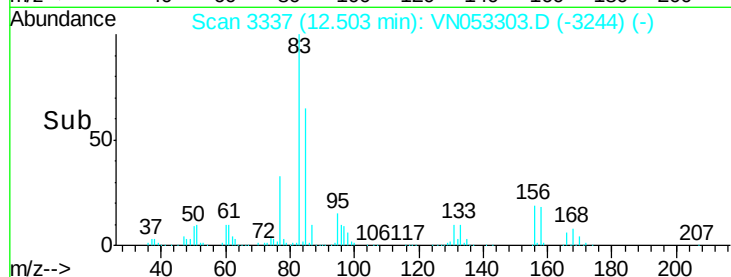
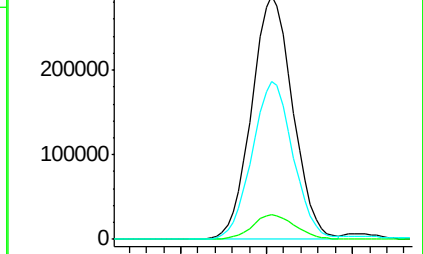
85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN053303.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053303.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053303.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 72.865 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053303.D

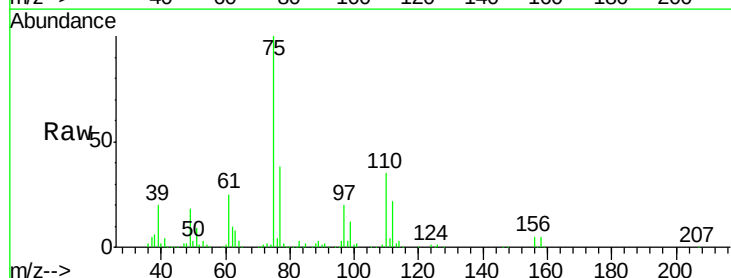
Acq: 7 Jan 2019 16:37

Tgt Ion: 75 Resp: 667353

Ion Ratio Lower Upper

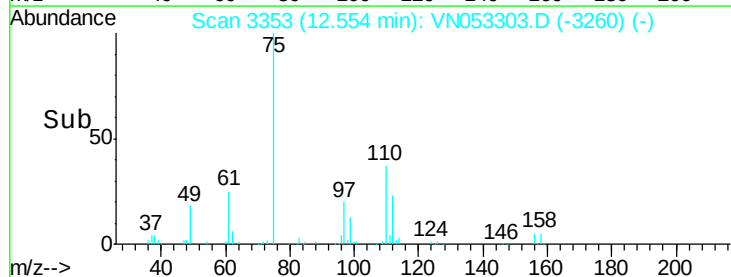
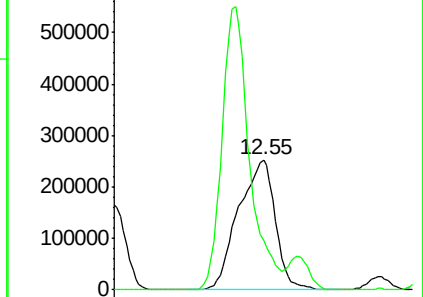
75 100

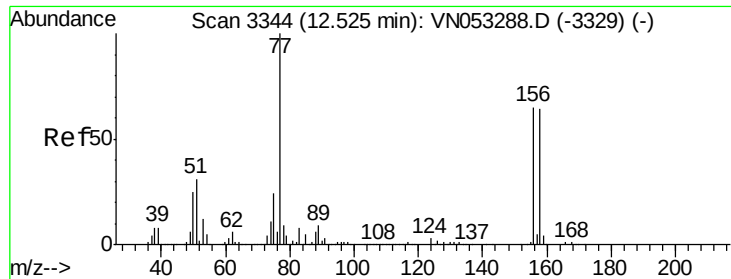
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053303.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053303.D (-3260) (-)





#77

Bromobenzene

Concen: 49.179 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

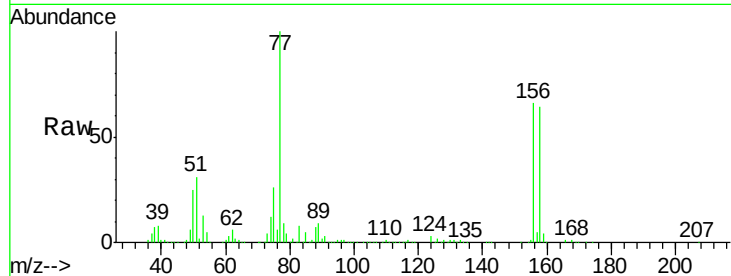
Tot Ion:156 Resp: 613643

Ion Ratio Lower Upper

156 100

77 176.8 89.3 268.1

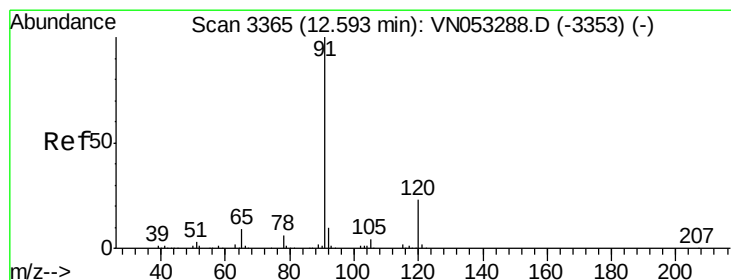
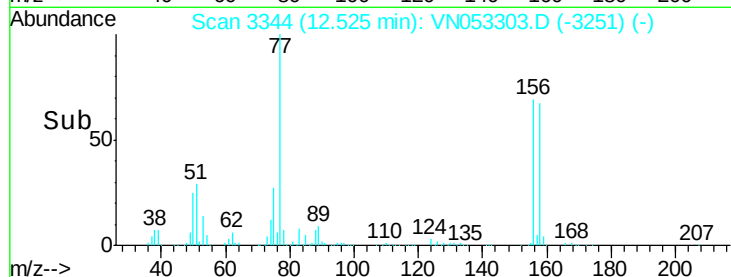
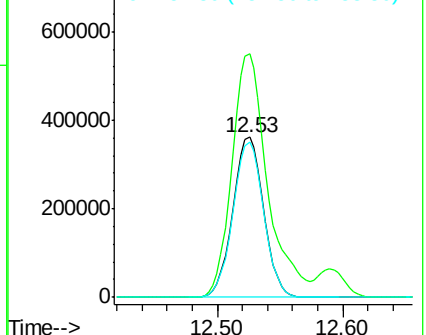
158 97.3 48.9 146.8



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: 52.193 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053303.D

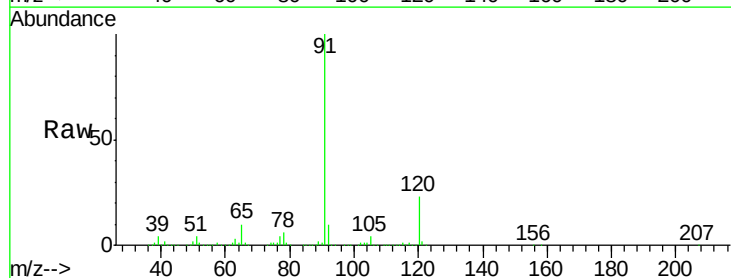
Acq: 7 Jan 2019 16:37

Tgt Ion: 91 Resp: 2760105

Ion Ratio Lower Upper

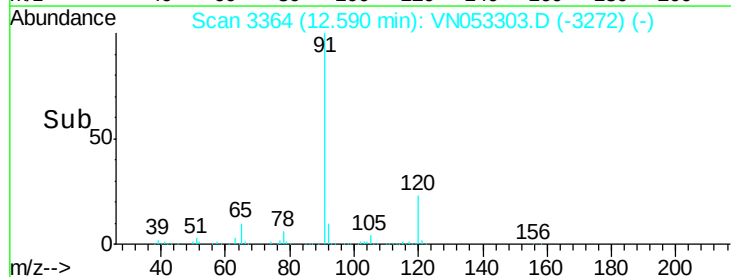
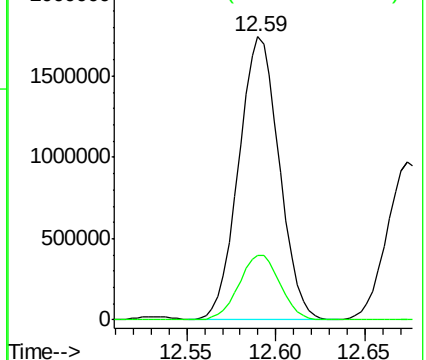
91 100

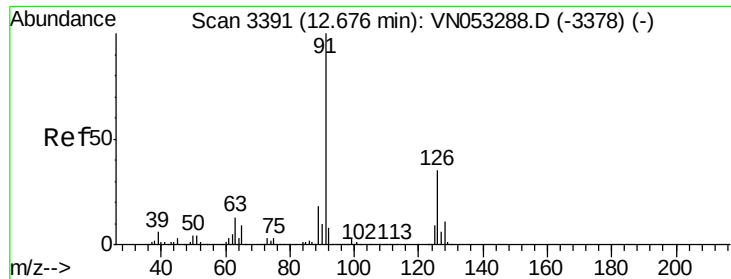
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

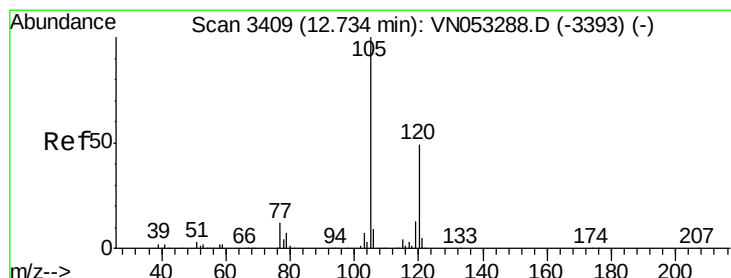
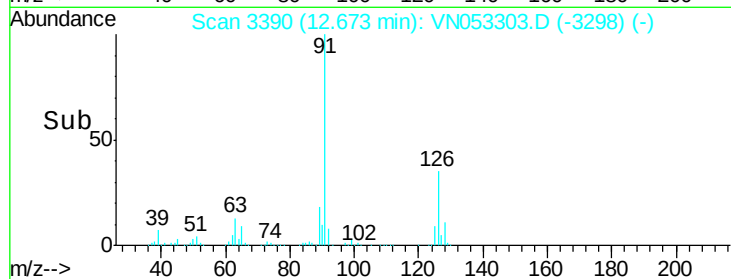
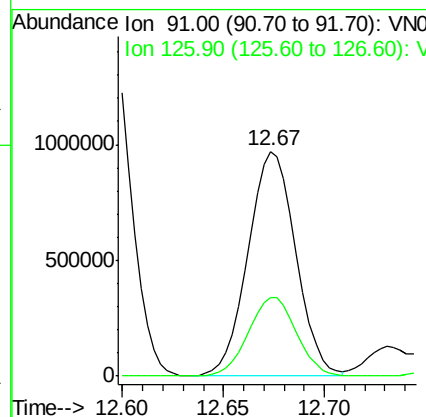
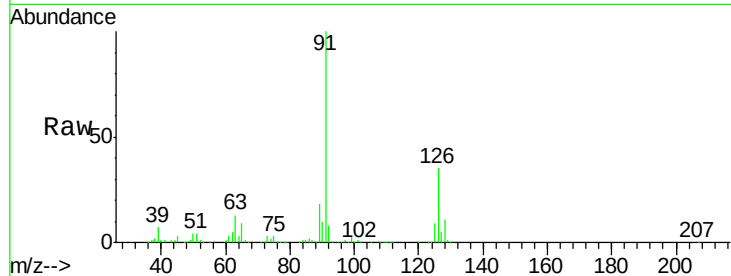




#79
 2-Chlorotoluene
 Concen: 50.080 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

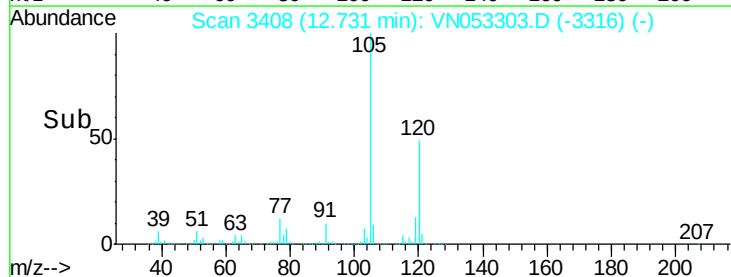
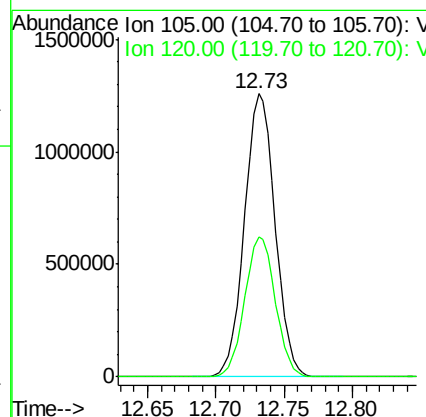
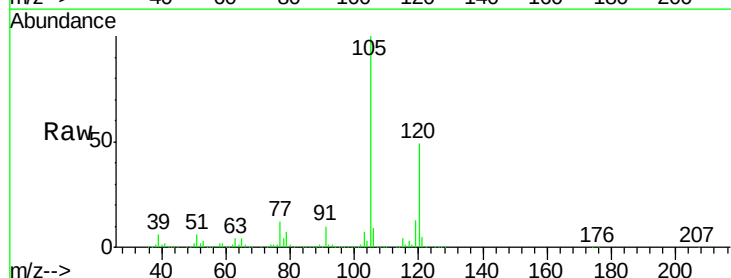
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

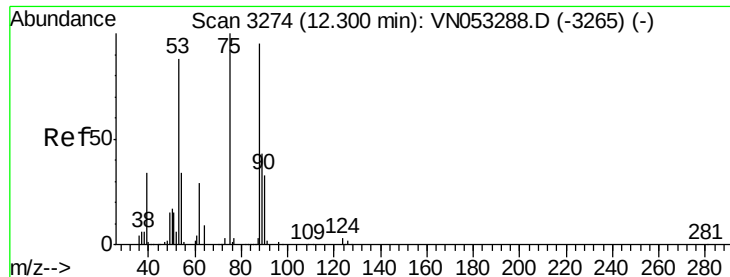
Tot Ion: 91 Resp: 1602493
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 51.836 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion: 105 Resp: 1952026
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.7 74.1

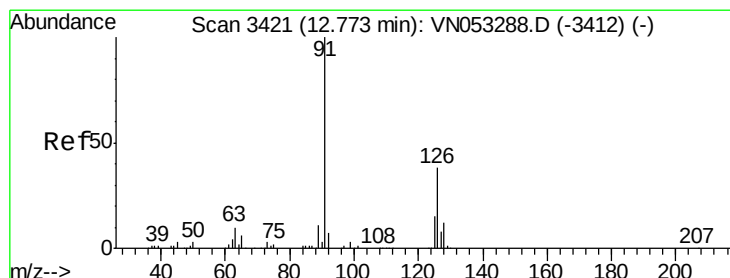
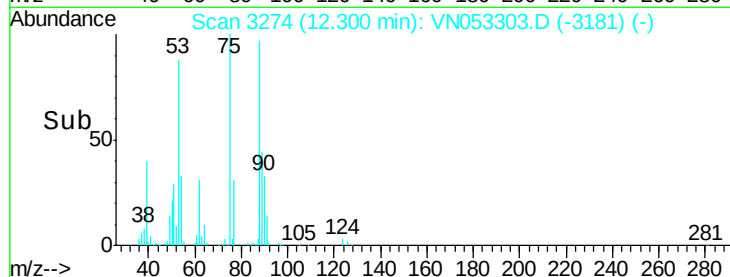
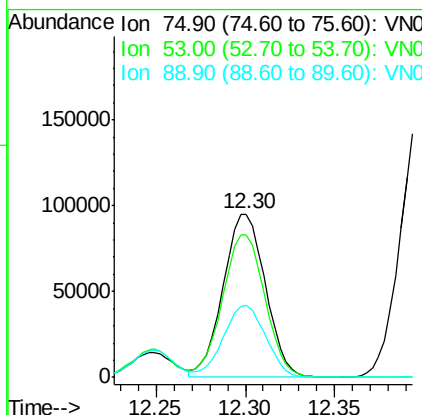
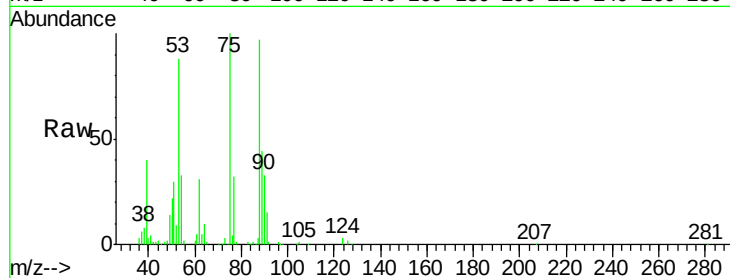




#81
trans-1,4-Dichloro-2-butene
Concen: 50.495 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

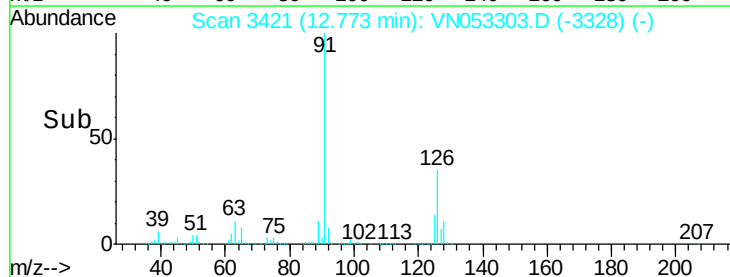
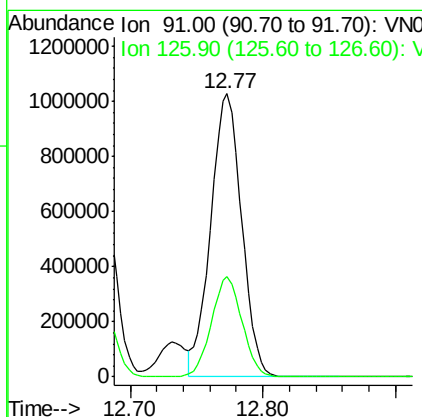
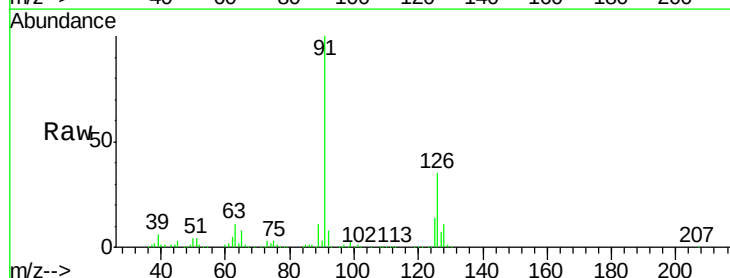
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

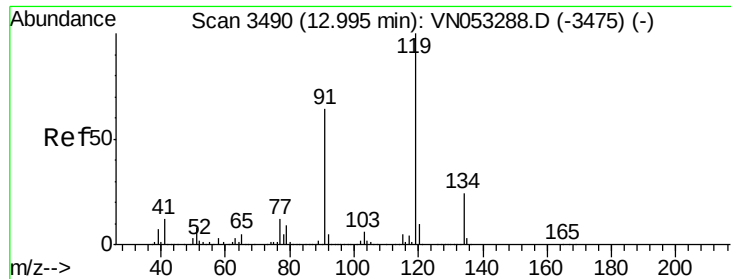
Tot Ion: 75 Resp: 157187
Ion Ratio Lower Upper
75 100
53 86.5 70.5 105.7
89 43.8 35.4 53.0



#82
4-Chlorotoluene
Concen: 50.658 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion: 91 Resp: 1662167
Ion Ratio Lower Upper
91 100
126 34.9 17.4 52.2

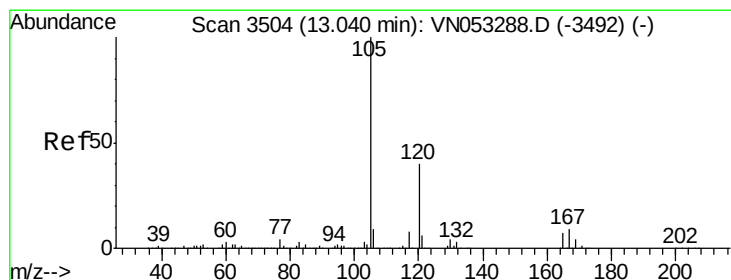
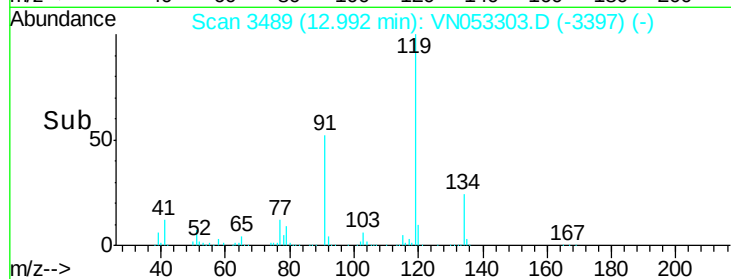
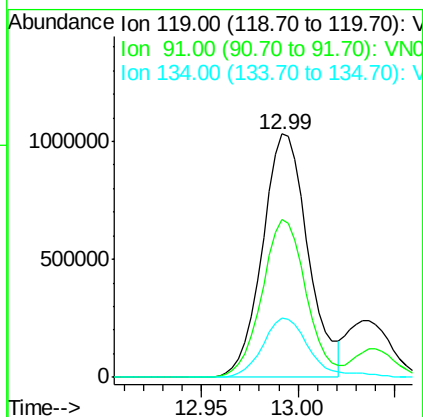
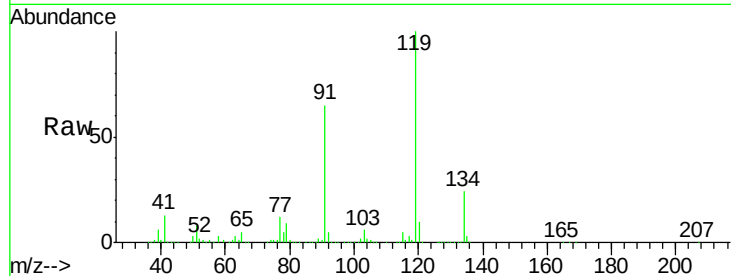




#83
 tert-Butylbenzene
 Concen: 51.449 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

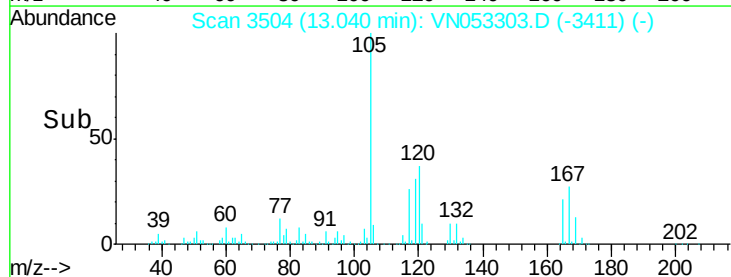
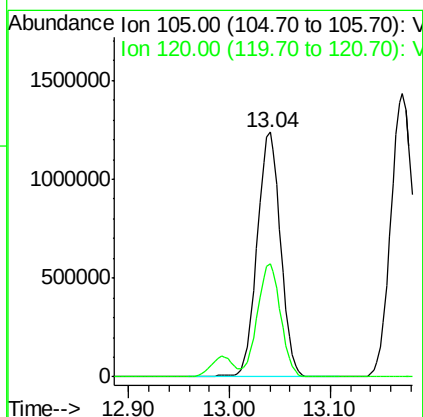
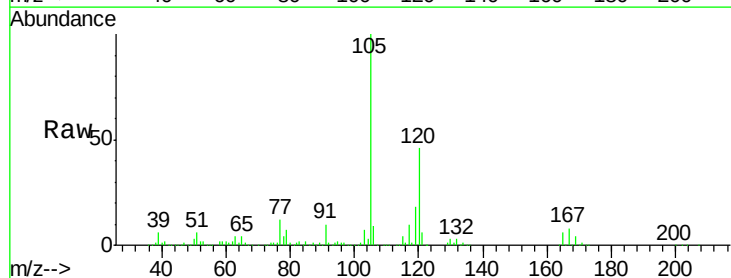
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

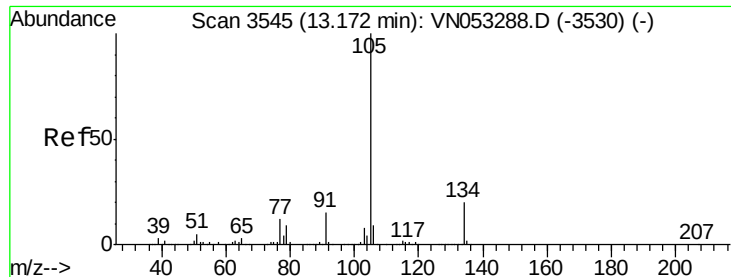
Tot Ion:119 Resp: 1699869
 Ion Ratio Lower Upper
 119 100
 91 62.5 31.6 95.0
 134 25.3 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.644 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion:105 Resp: 1981291
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.0 69.0





#85

sec-Butylbenzene

Concen: 52.364 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

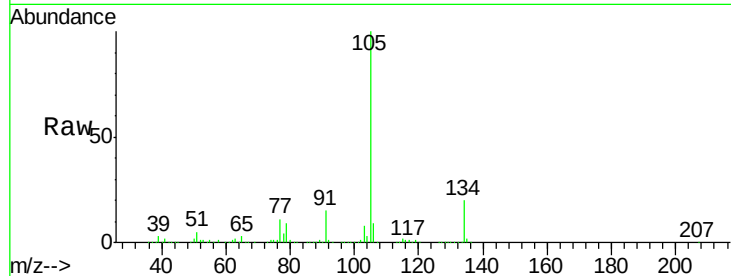
VSTDCCC050EC

Tot Ion:105 Resp: 2281688

Ion Ratio Lower Upper

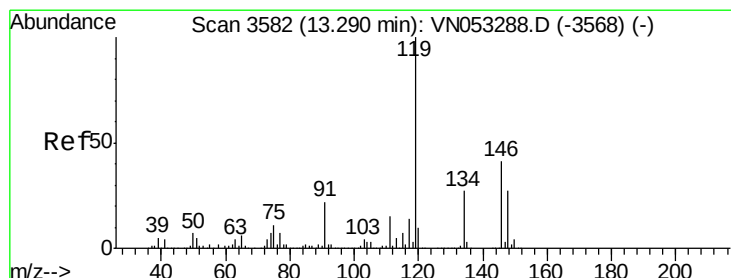
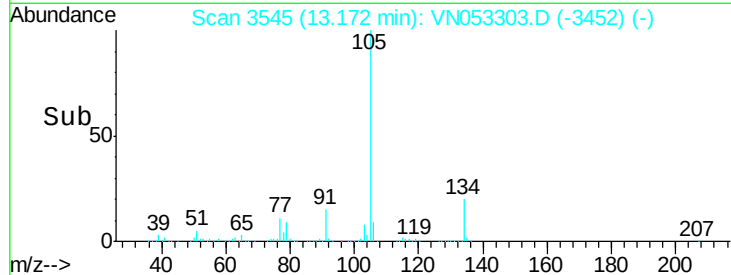
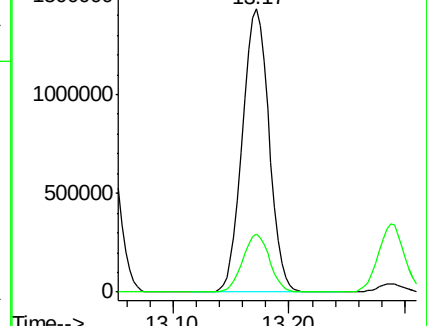
105 100

134 20.5 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.935 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

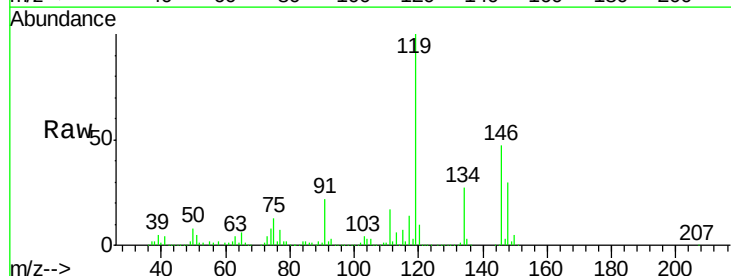
Tgt Ion:119 Resp: 1997049

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

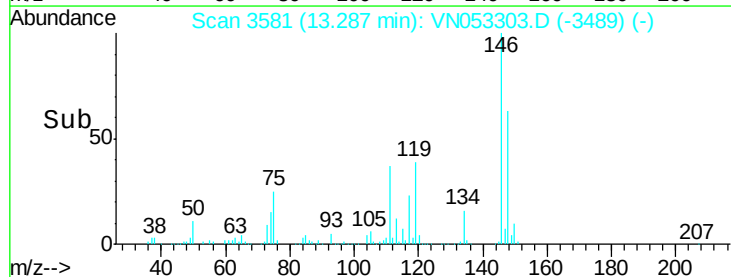
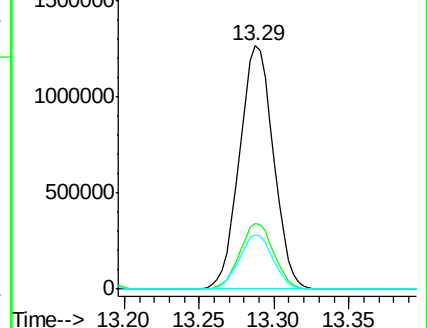
91 22.2 11.1 33.1

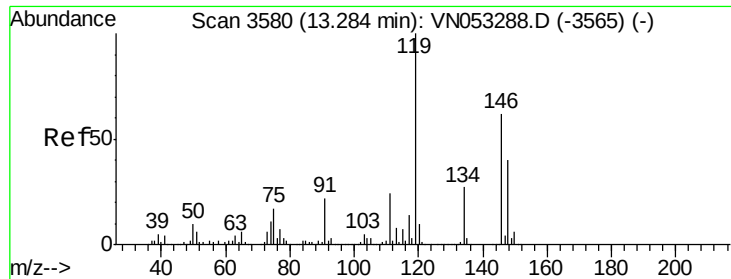


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

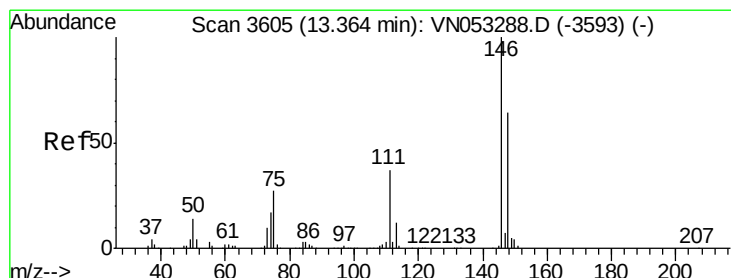
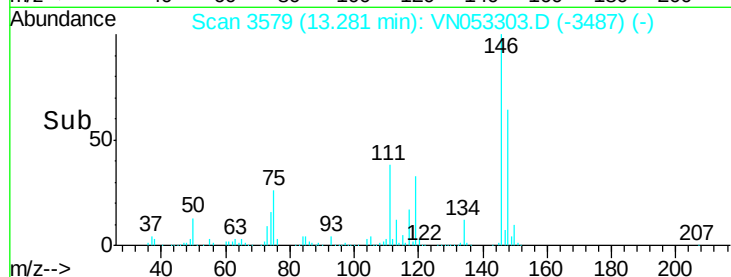
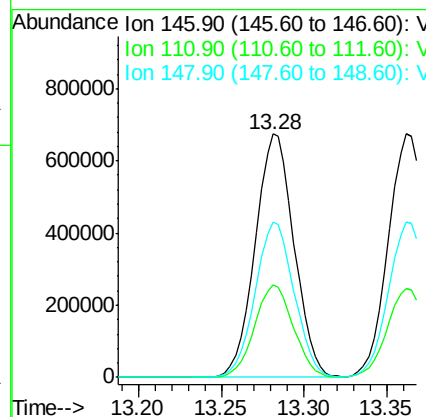
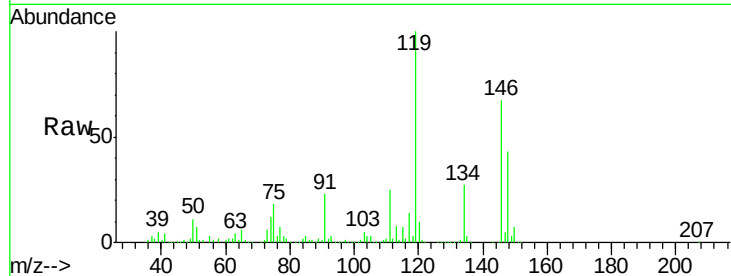




#87
 1,3-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

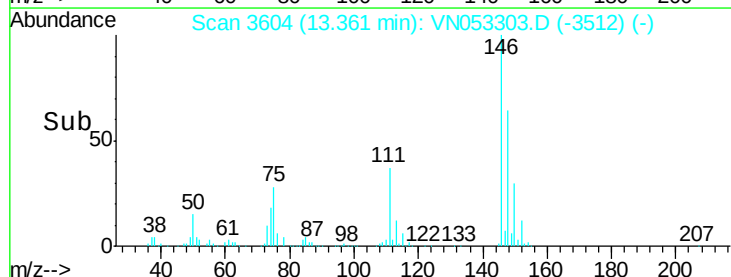
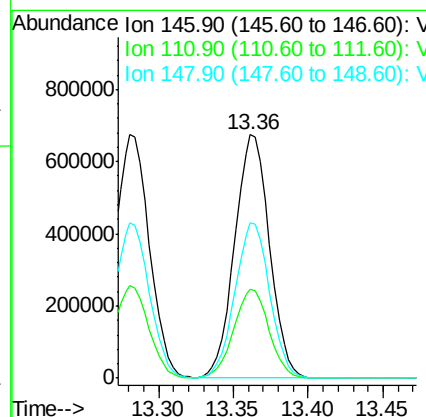
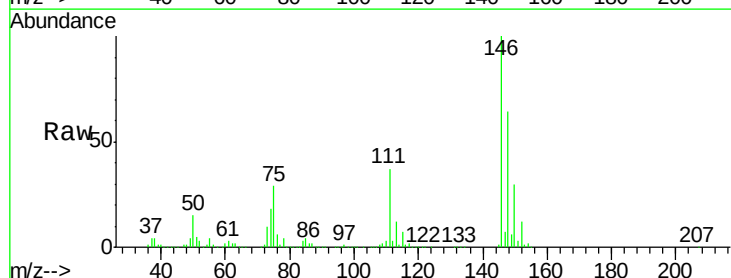
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

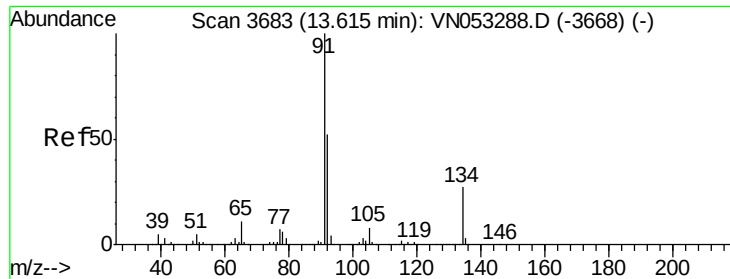
Tot Ion:146 Resp: 1098658
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.5
 148 63.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 50.180 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion:146 Resp: 1093785
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 55.8
 148 63.8 32.0 96.0

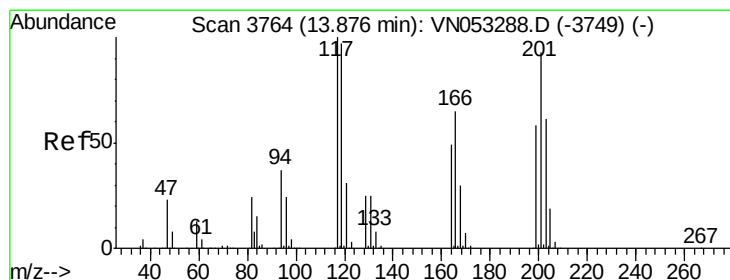
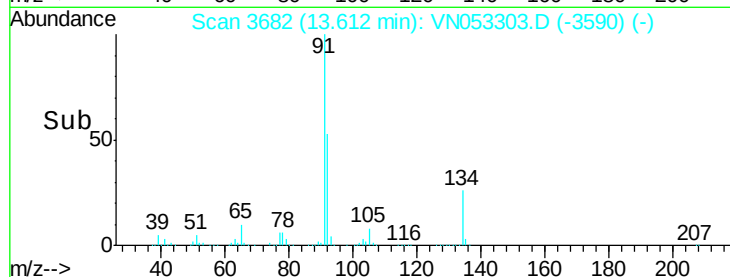
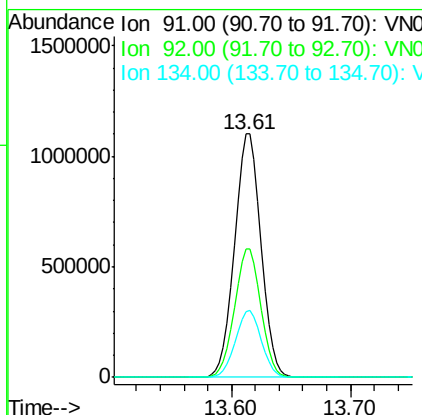
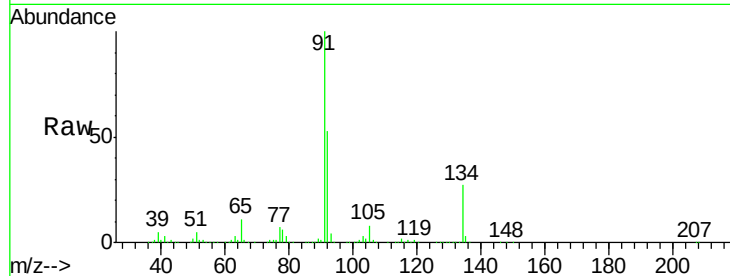




#89
n-Butylbenzene
Concen: 53.411 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

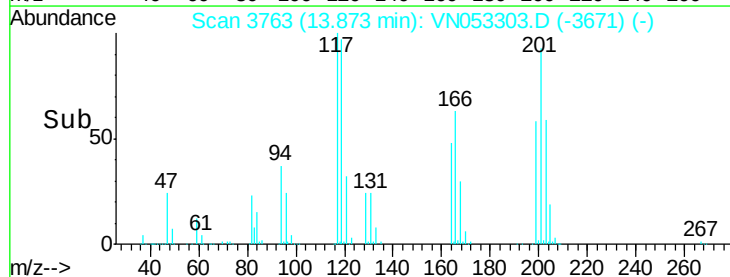
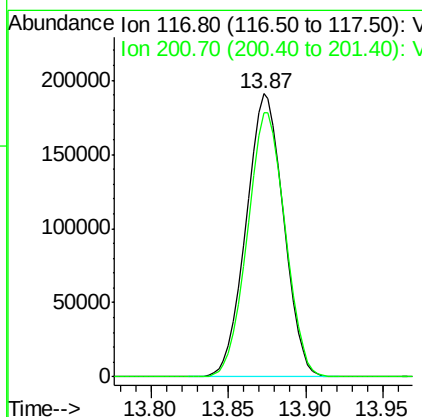
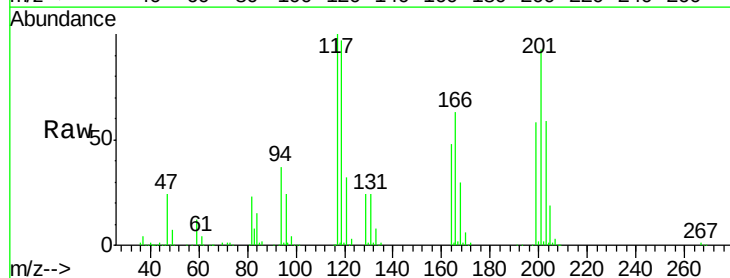
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

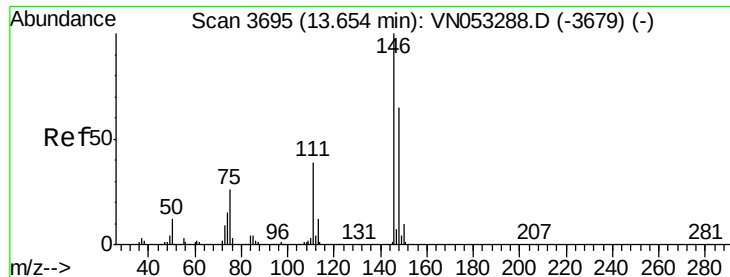
Tot Ion: 91 Resp: 1689388
Ion Ratio Lower Upper
91 100
92 52.4 26.3 78.8
134 27.1 13.5 40.5



#90
Hexachloroethane
Concen: 53.231 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053303.D
Acq: 7 Jan 2019 16:37

Tgt Ion: 117 Resp: 321880
Ion Ratio Lower Upper
117 100
201 93.9 46.1 138.3

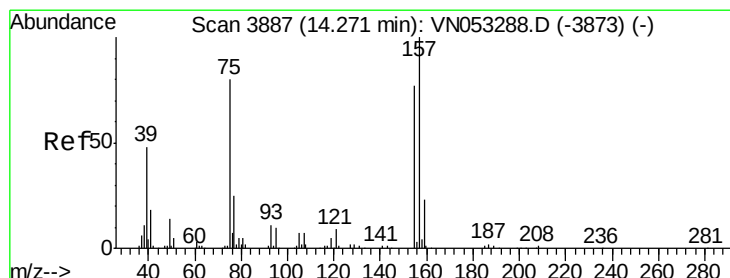
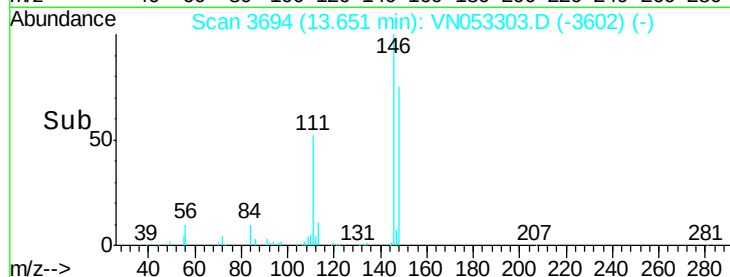
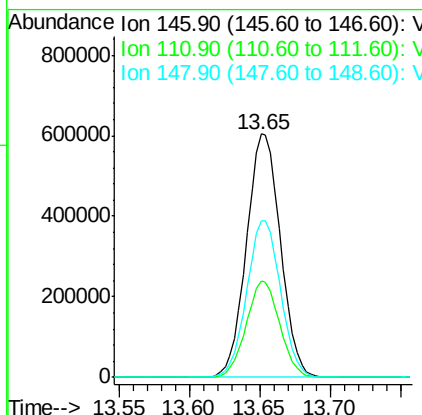
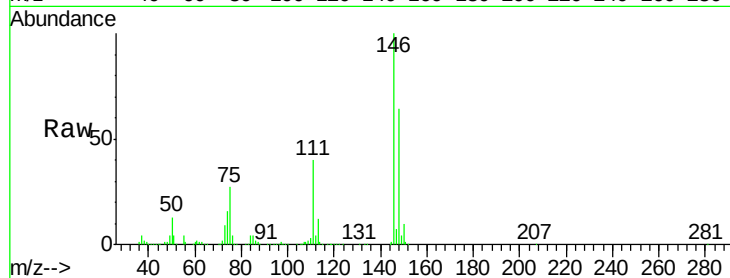




#91
 1,2-Dichlorobenzene
 Concen: 49.509 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

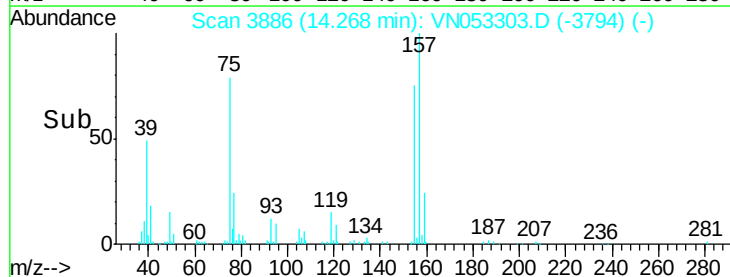
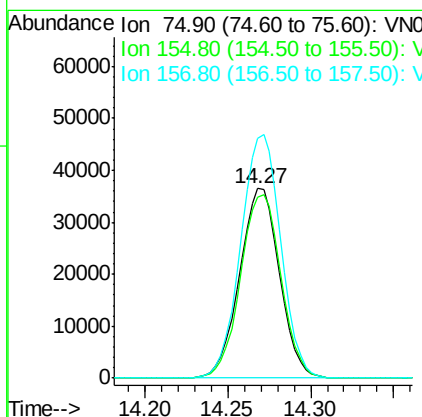
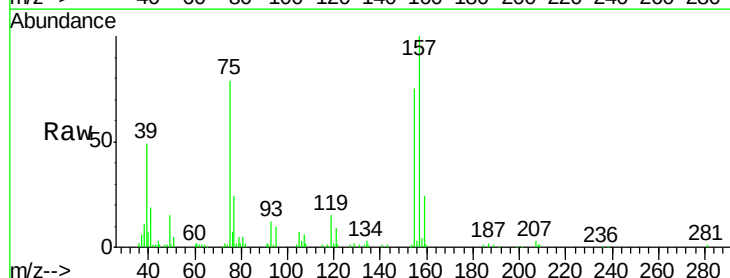
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

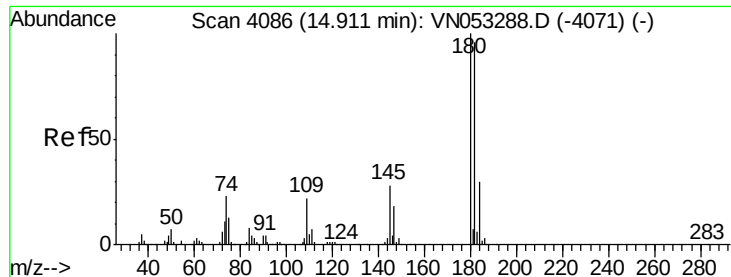
Tot Ion:146 Resp: 1018997
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.4 58.2
 148 64.2 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.930 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion: 75 Resp: 61217
 Ion Ratio Lower Upper
 75 100
 155 98.0 48.1 144.3
 157 128.9 61.5 184.4

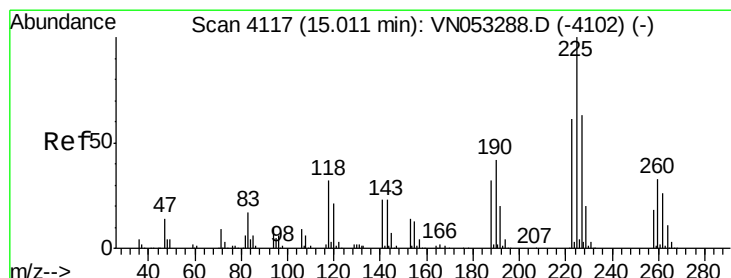
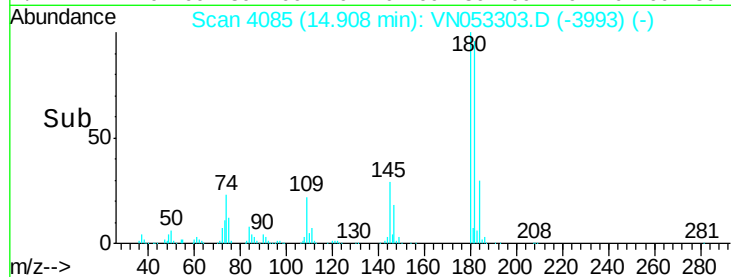
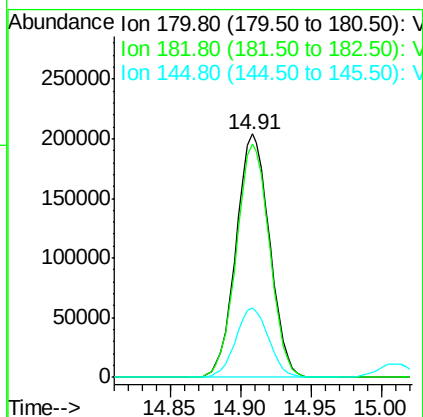
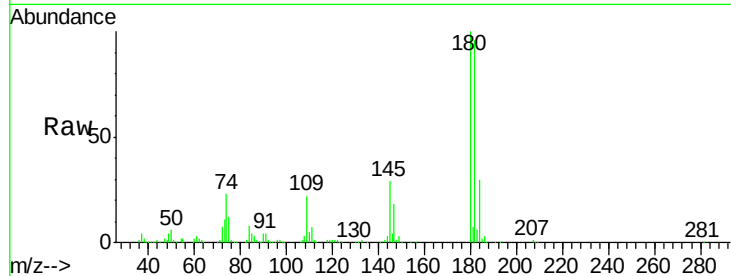




#93
 1,2,4-Trichlorobenzene
 Concen: 52.497 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

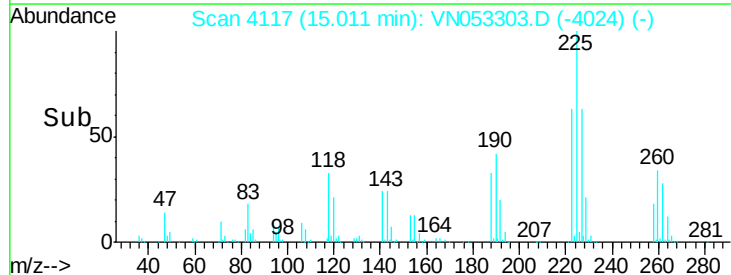
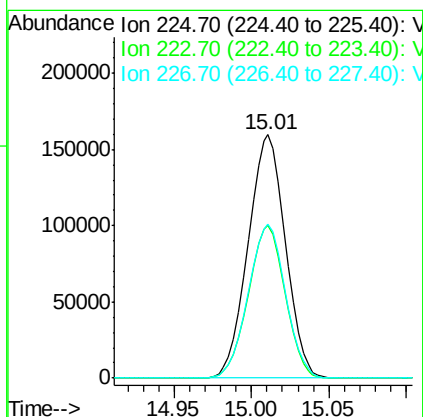
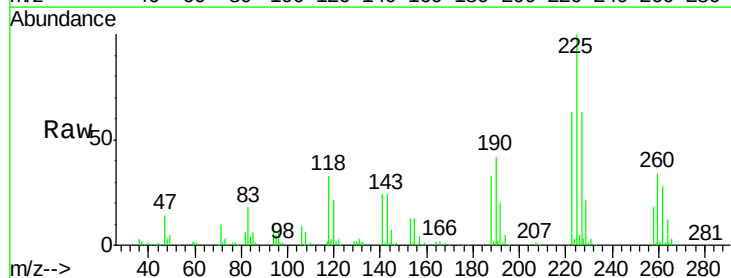
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

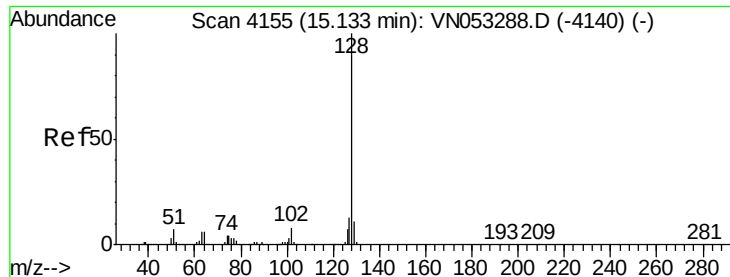
Tot Ion:180 Resp: 339742
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.8 143.4
 145 28.1 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 50.585 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053303.D
 Acq: 7 Jan 2019 16:37

Tgt Ion:225 Resp: 267768
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.9 92.8
 227 63.0 31.4 94.2





#95

Naphthalene

Concen: 49.321 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

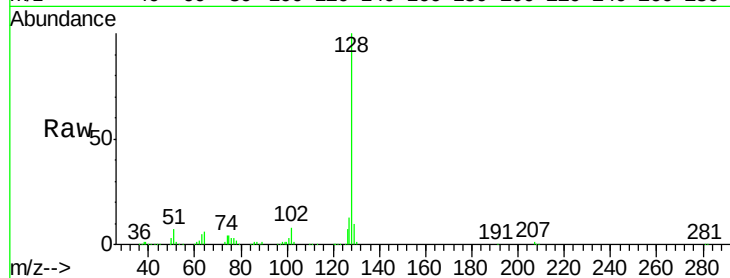
Tot Ion:128 Resp: 544515

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

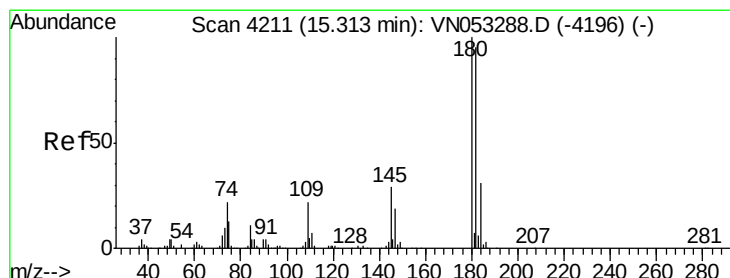
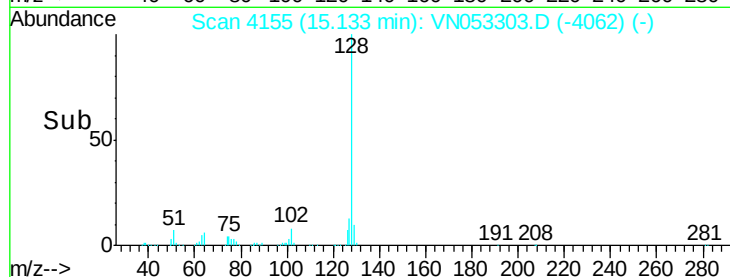
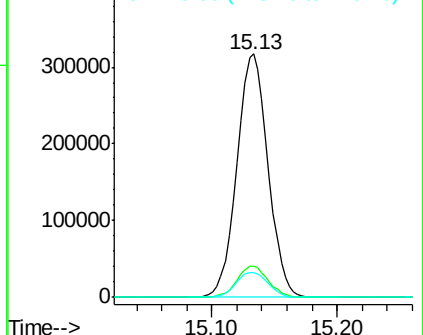
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.036 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053303.D

Acq: 7 Jan 2019 16:37

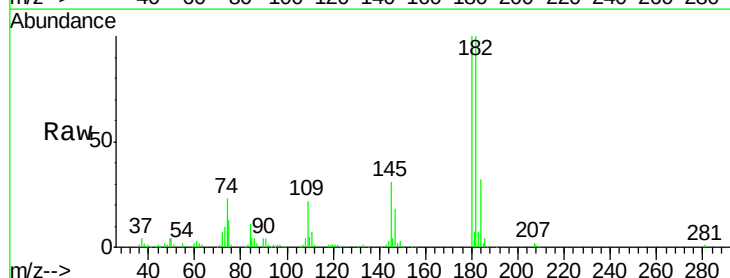
Tgt Ion:180 Resp: 207768

Ion Ratio Lower Upper

180 100

182 97.5 48.4 145.0

145 29.8 14.9 44.5



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

