

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\
 Data File : VN053305.D
 Acq On : 8 Jan 2019 9:08
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 09 00:03:38 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	7.67	168	915719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1347170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1241904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	598929	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	447233	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
35) Dibromofluoromethane	7.59	113	378800	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	10.09	98	1636033	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.40	95	582304	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	421230	52.178	ug/l	99
3) Chloromethane	2.06	50	548702	48.671	ug/l	99
4) Vinyl Chloride	2.19	62	532825	49.517	ug/l	99
5) Bromomethane	2.57	94	351065	49.929	ug/l	99
6) Chloroethane	2.71	64	312788	48.159	ug/l	99
7) Trichlorofluoromethane	3.02	101	687824	49.350	ug/l	99
8) Diethyl Ether	3.41	74	262039	47.967	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	444847	50.360	ug/l	100
10) Methyl Iodide	3.96	142	648221	52.352	ug/l	100
11) Tert butyl alcohol	4.78	59	139266	243.038	ug/l	99
12) 1,1-Dichloroethene	3.74	96	413653	48.413	ug/l	100
13) Acrolein	3.61	56	175557	243.668	ug/l	99
14) Allyl chloride	4.33	41	660251	47.944	ug/l	100
15) Acrylonitrile	4.99	53	819781	239.653	ug/l	99
16) Acetone	3.81	43	705824	308.359	ug/l	100
17) Carbon Disulfide	4.06	76	1287088	48.861	ug/l	99
18) Methyl Acetate	4.32	43	379107	43.969	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1163896	48.536	ug/l	99
20) Methylene Chloride	4.55	84	480708	46.980	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	453556	49.438	ug/l	99
22) Diisopropyl ether	5.95	45	1457920	49.143	ug/l	98
23) Vinyl Acetate	5.89	43	4624833	247.755	ug/l	99
24) 1,1-Dichloroethane	5.85	63	832528	48.656	ug/l	99
25) 2-Butanone	6.83	43	992842	254.021	ug/l	100
26) 2,2-Dichloropropane	6.82	77	635984	50.848	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	516715	49.321	ug/l	100
28) Bromochloromethane	7.19	49	370702	50.840	ug/l	100
29) Tetrahydrofuran	7.21	42	617929	239.576	ug/l	99
30) Chloroform	7.37	83	822117	48.815	ug/l	99
31) Cyclohexane	7.65	56	807002	49.630	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	682713	48.647	ug/l	99
36) 1,1-Dichloropropene	7.79	75	654923	52.074	ug/l	99
37) Ethyl Acetate	6.93	43	405772	49.533	ug/l	99
38) Carbon Tetrachloride	7.77	117	611413	52.670	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	793847	54.484	ug/l	99
40) Benzene	8.04	78	1957573	50.956	ug/l	99
41) Methacrylonitrile	7.17	41	225730	44.384	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	571749	50.173	ug/l	100
43) Isopropyl Acetate	8.16	43	721001	44.739	ug/l	98
44) Trichloroethene	8.83	130	537797	50.982	ug/l	99
45) 1,2-Dichloropropane	9.12	63	517007	51.311	ug/l	99
46) Dibromomethane	9.21	93	299227	50.933	ug/l	99
47) Bromodichloromethane	9.40	83	632142	51.633	ug/l	100
48) Methyl methacrylate	9.20	41	371314	50.715	ug/l	100
49) 1,4-Dioxane	9.20	88	85137	1091.420	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2064628	254.759	ug/l	100
52) Toluene	10.16	92	1221028	51.807	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	665547	53.140	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	757811	52.361	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	432449	49.901	ug/l	99
56) Ethyl methacrylate	10.43	69	587638	52.180	ug/l	99
57) 1,3-Dichloropropane	10.71	76	744283	51.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1557314	255.785	ug/l	100
59) 2-Hexanone	10.75	43	1508559	271.679	ug/l	100
60) Dibromochloromethane	10.90	129	495257	52.985	ug/l	99
61) 1,2-Dibromoethane	11.00	107	440289	51.484	ug/l	99
64) Tetrachloroethene	10.63	164	593232	50.752	ug/l	99
65) Chlorobenzene	11.43	112	1363552	50.542	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	478972	50.723	ug/l	99
67) Ethyl Benzene	11.51	91	2391055	52.157	ug/l	100
68) m/p-Xylenes	11.62	106	1826456	105.954	ug/l	100
69) o-Xylene	11.95	106	881989	52.262	ug/l	99
70) Styrene	11.96	104	1465489	53.356	ug/l	100
71) Bromoform	12.13	173	352421	52.837	ug/l #	99
73) Isopropylbenzene	12.25	105	2336886	52.406	ug/l	100
74) N-amyl acetate	12.07	43	669543	50.283	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	504444	49.177	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	691843	79.197	ug/l #	100
77) Bromobenzene	12.53	156	608332	51.114	ug/l	99
78) n-propylbenzene	12.59	91	2726502	54.054	ug/l	99
79) 2-Chlorotoluene	12.67	91	1579306	51.746	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1905520	53.051	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	161794	54.492	ug/l	98
82) 4-Chlorotoluene	12.77	91	1628701	52.042	ug/l	100
83) tert-Butylbenzene	12.99	119	1659088	52.646	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1952081	53.346	ug/l	100
85) sec-Butylbenzene	13.17	105	2251386	54.171	ug/l	100
86) p-Isopropyltoluene	13.29	119	1969999	54.747	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1078407	51.455	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1063295	51.144	ug/l	99
89) n-Butylbenzene	13.62	91	1659580	55.010	ug/l	100
90) Hexachloroethane	13.88	117	317047	54.971	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1006932	51.291	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66580	53.513	ug/l	99

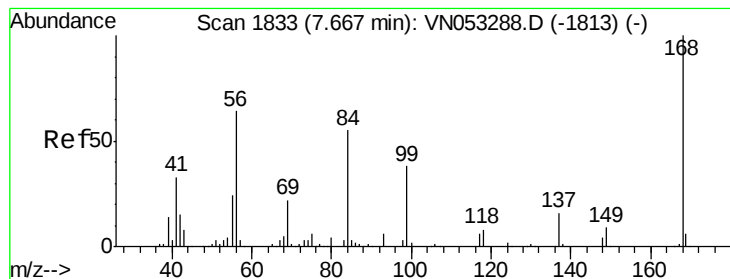
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	359464	58.234	ug/l	100
94) Hexachlorobutadiene	15.01	225	282407	55.934	ug/l	99
95) Naphthalene	15.13	128	603910	57.350	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	238444	59.001	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

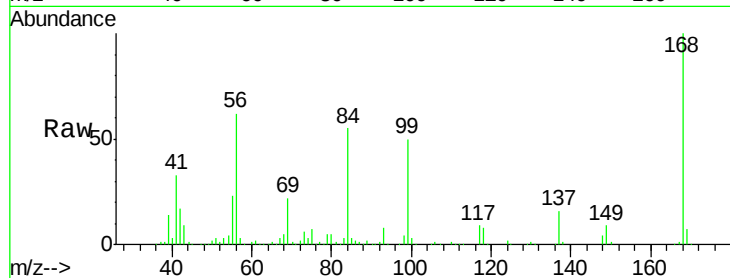
VSTDCCC050

Tot Ion:168 Resp: 915719

Ion Ratio Lower Upper

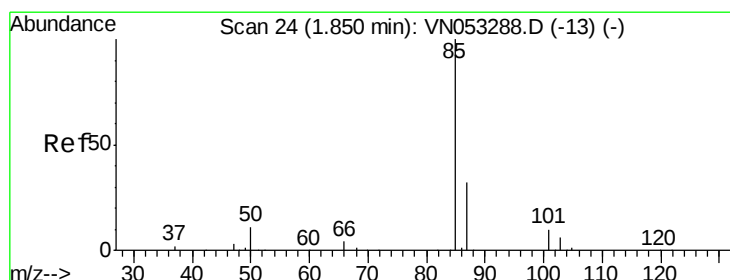
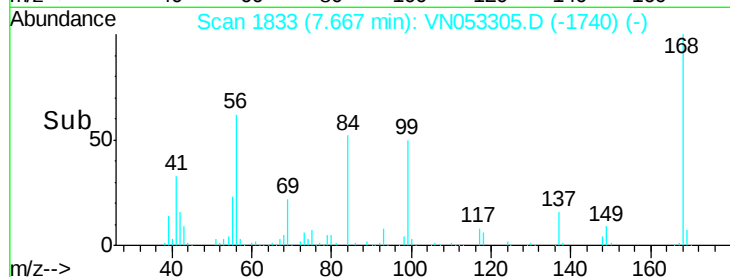
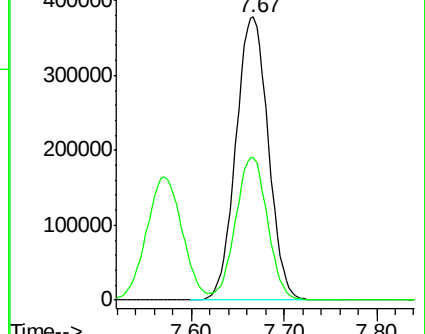
168 100

99 50.2 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: 52.178 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053305.D

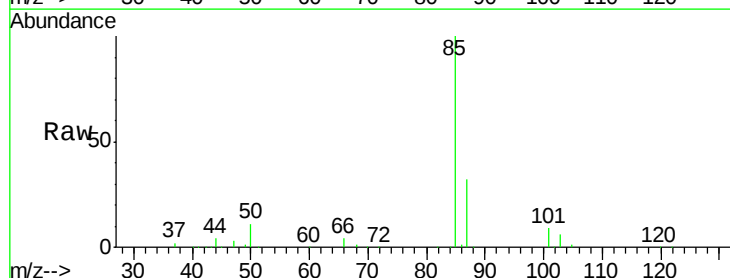
Acq: 8 Jan 2019 9:08

Tgt Ion: 85 Resp: 421230

Ion Ratio Lower Upper

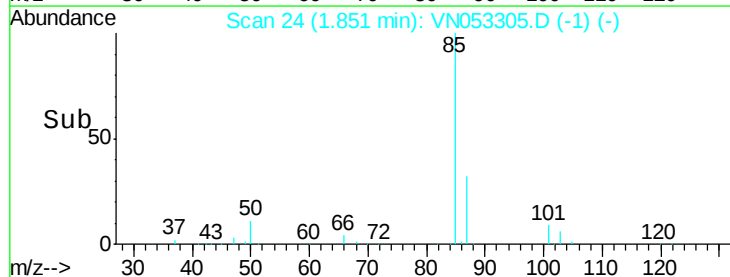
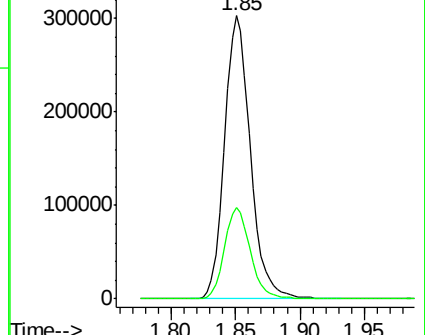
85 100

87 32.2 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: 48.671 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

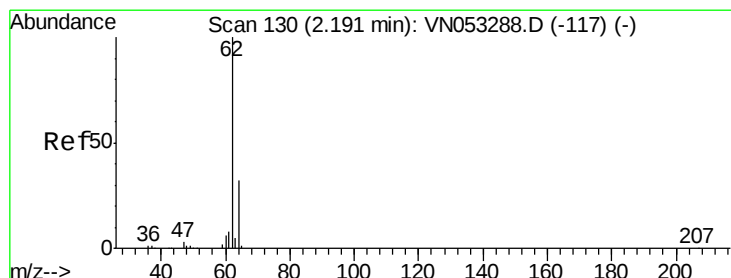
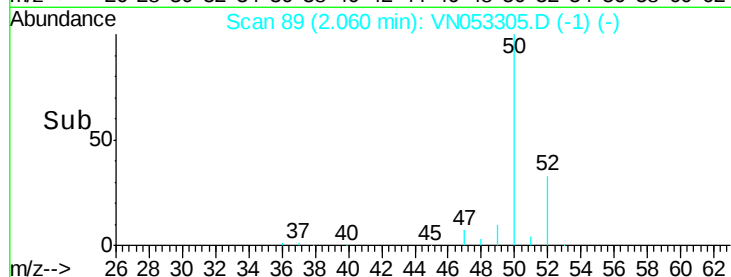
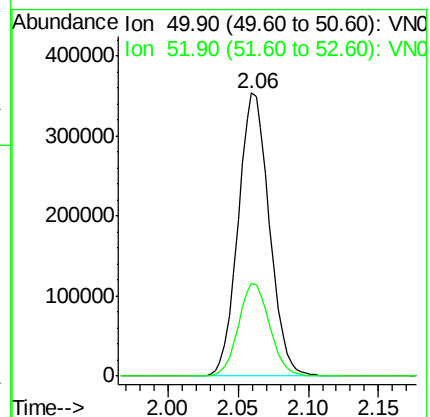
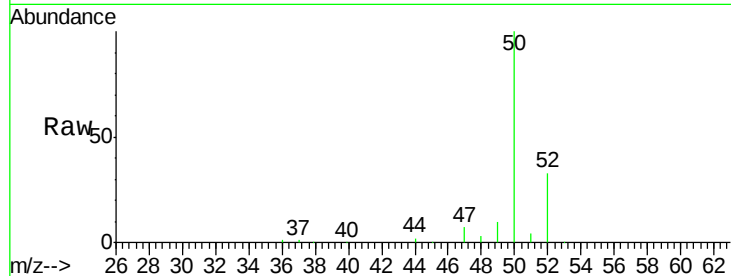
VSTDCCC050

Tot Ion: 50 Resp: 548702

Ion Ratio Lower Upper

50 100

52 32.7 26.6 40.0



#4

Vinyl Chloride

Concen: 49.517 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053305.D

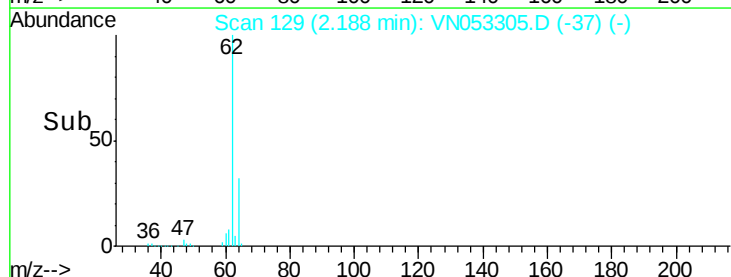
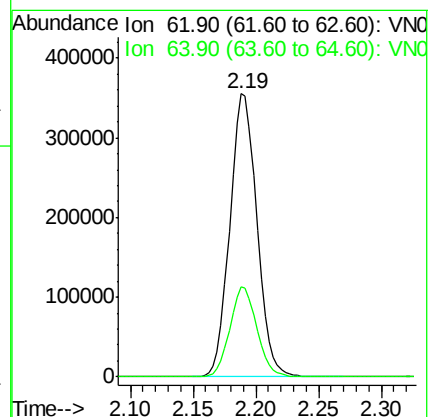
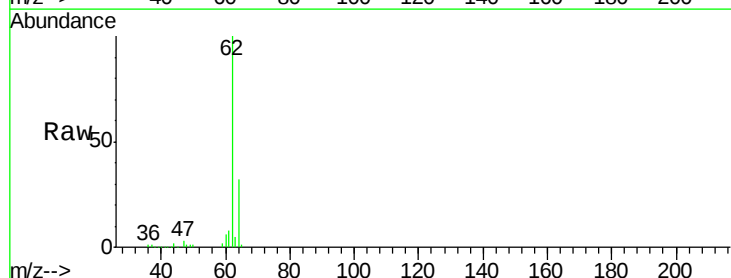
Acq: 8 Jan 2019 9:08

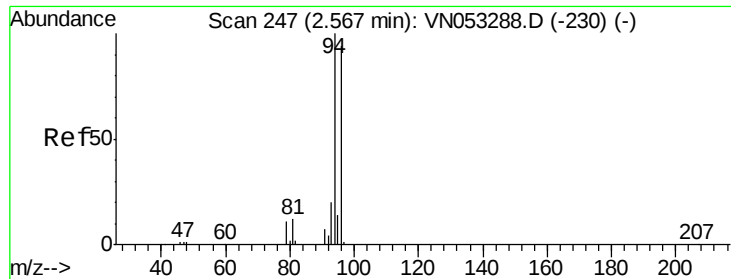
Tgt Ion: 62 Resp: 532825

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 49.929 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

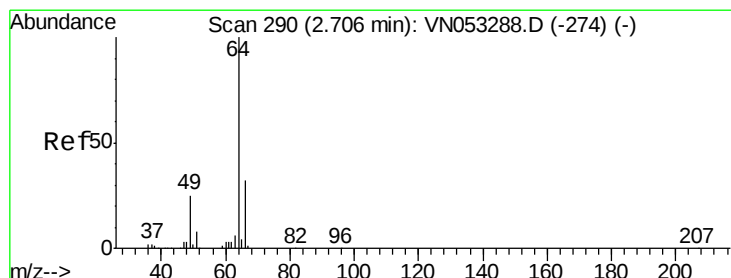
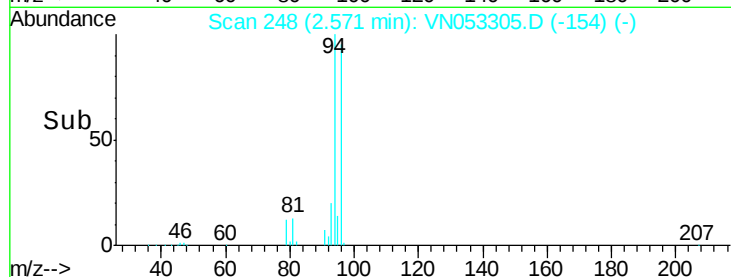
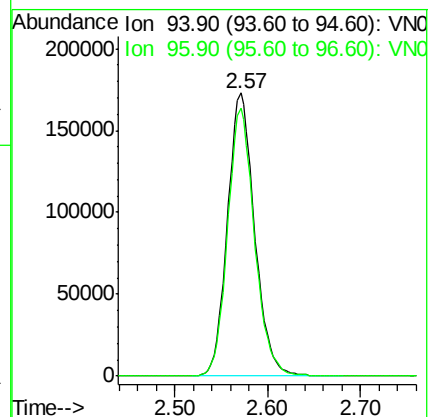
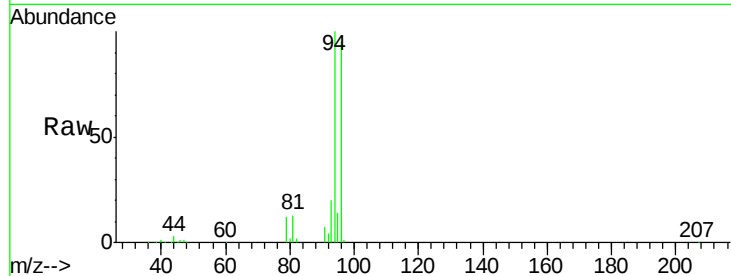
VSTDCCC050

Tot Ion: 94 Resp: 351065

Ion Ratio Lower Upper

94 100

96 94.7 74.9 112.3



#6

Chloroethane

Concen: 48.159 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053305.D

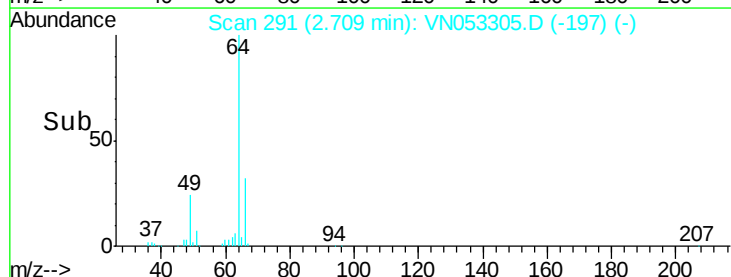
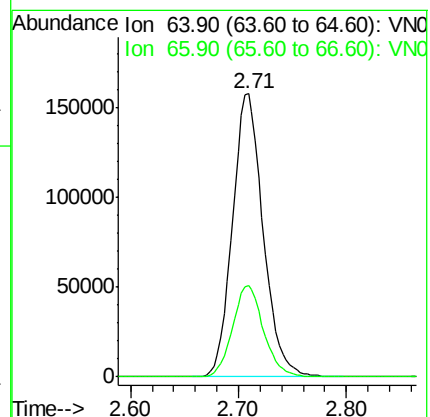
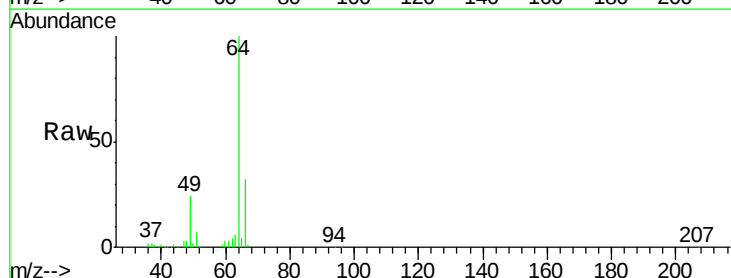
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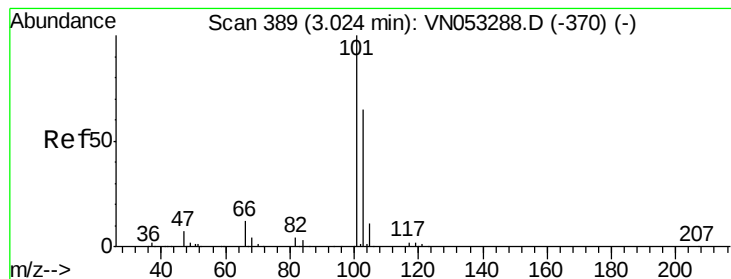
Tgt Ion: 64 Resp: 312788

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4



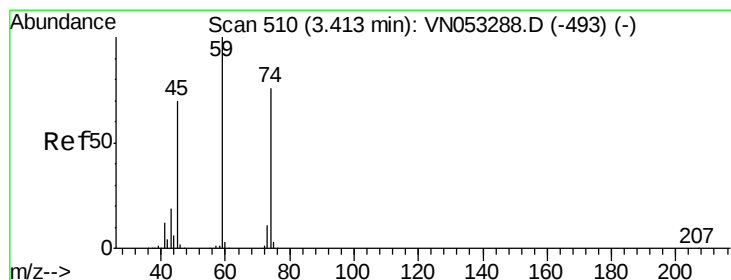
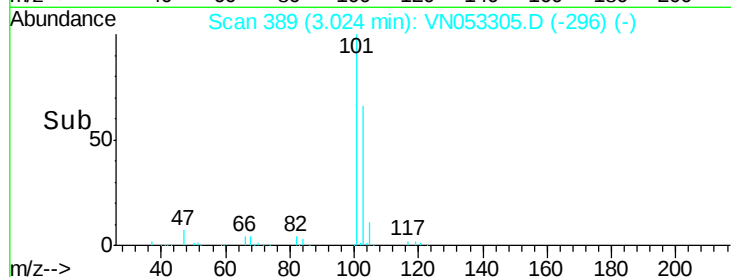
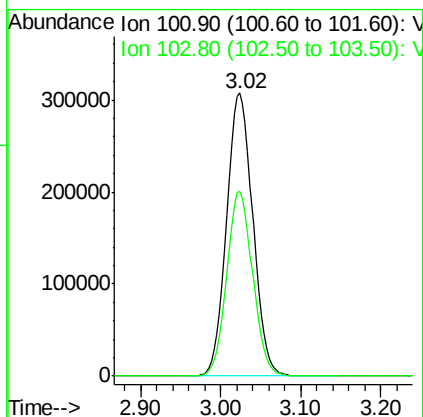
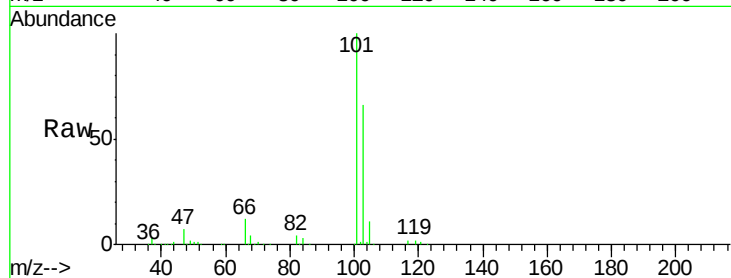


#7

Trichlorofluoromethane
 Concen: 49.350 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Instrument :
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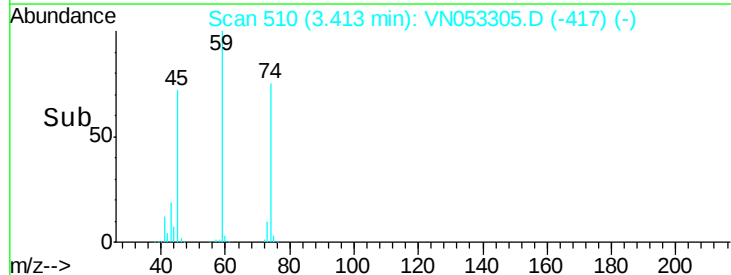
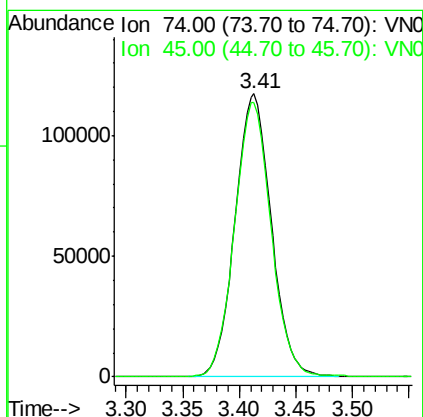
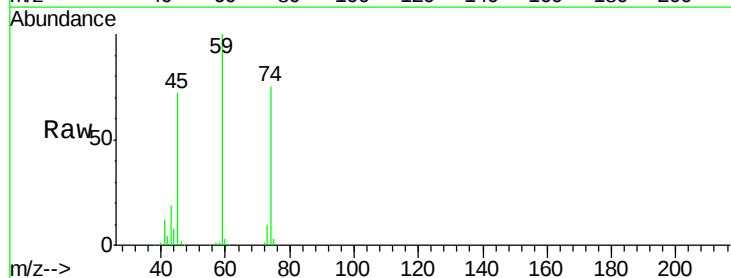
Tot Ion:101 Resp: 687824
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.1 78.1

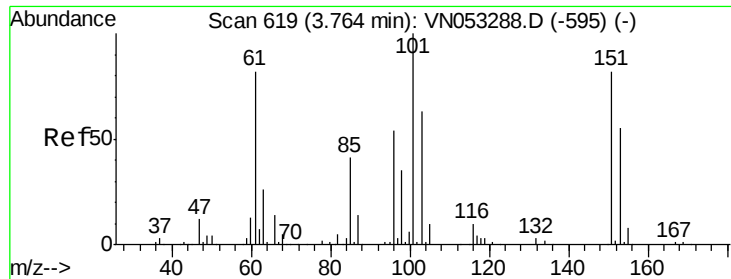


#8

Diethyl Ether
 Concen: 47.967 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion: 74 Resp: 262039
 Ion Ratio Lower Upper
 74 100
 45 97.9 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.360 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

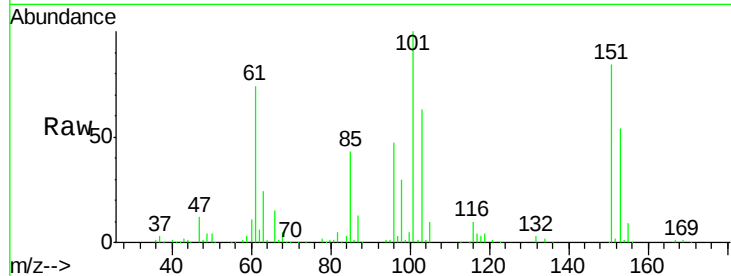
Tot Ion:101 Resp: 444847

Ion Ratio Lower Upper

101 100

85 41.5 33.3 49.9

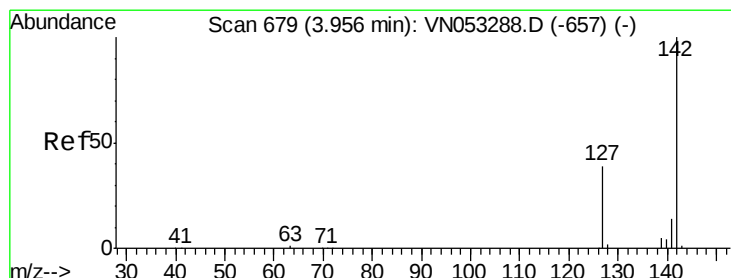
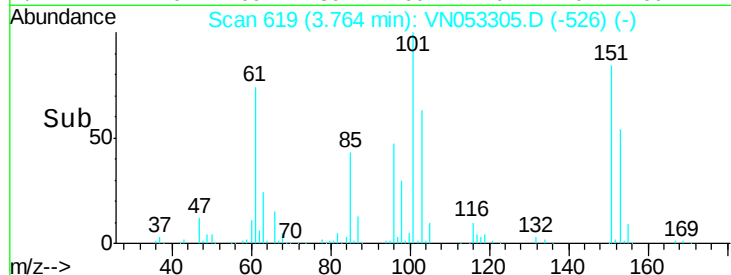
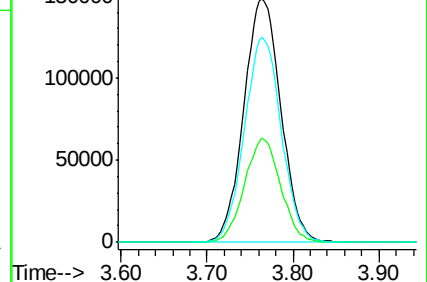
151 83.8 67.0 100.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.352 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

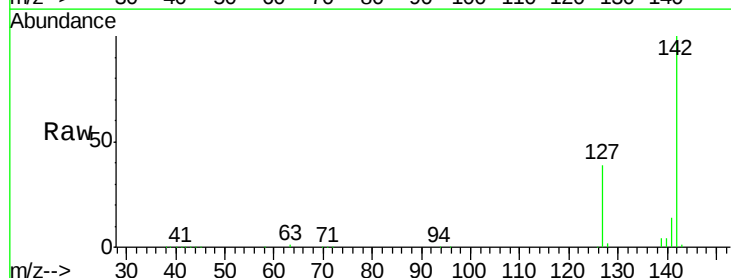
Tgt Ion:142 Resp: 648221

Ion Ratio Lower Upper

142 100

127 38.5 30.9 46.3

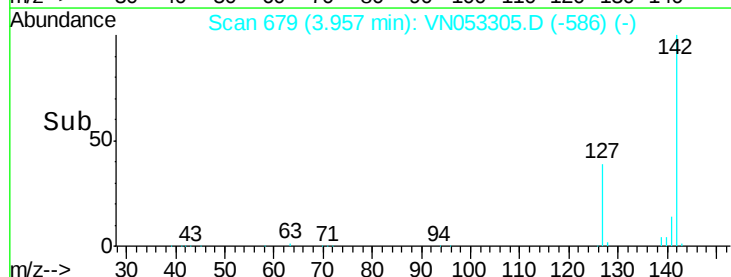
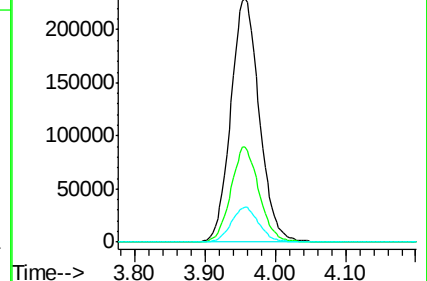
141 14.0 11.2 16.8

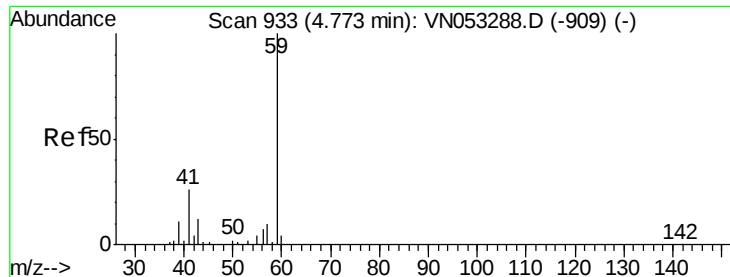


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

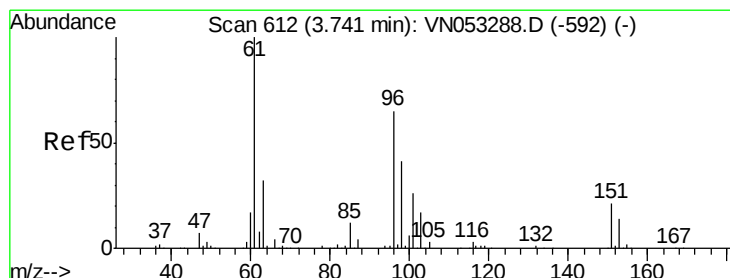
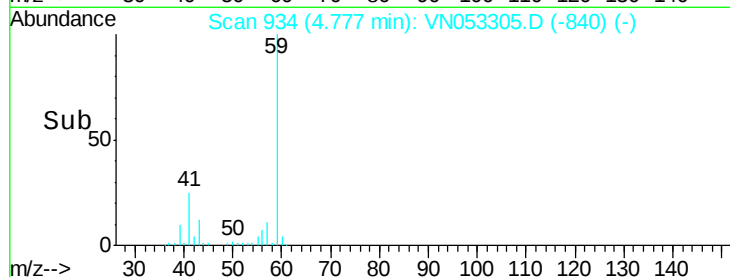
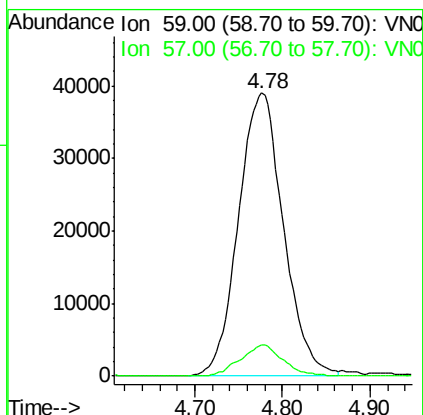
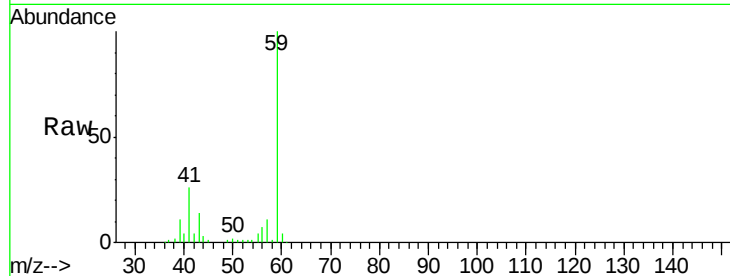




#11
Tert butyl alcohol
Concen: 243.038 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

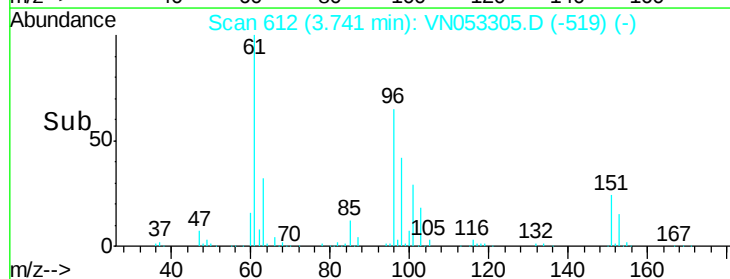
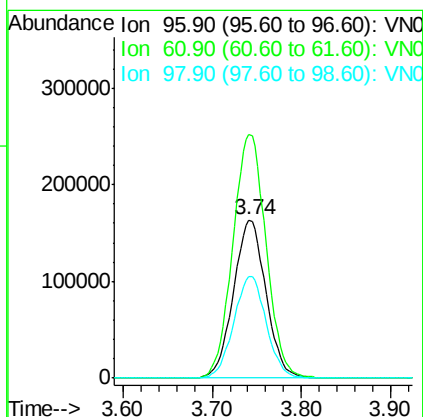
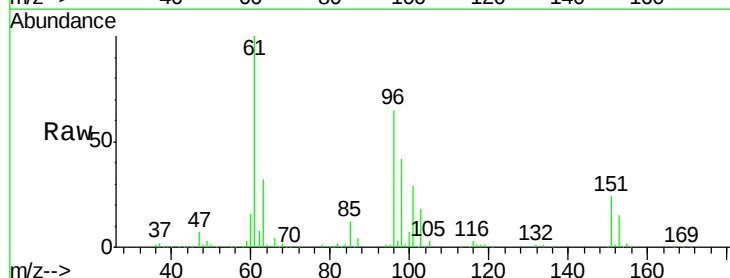
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

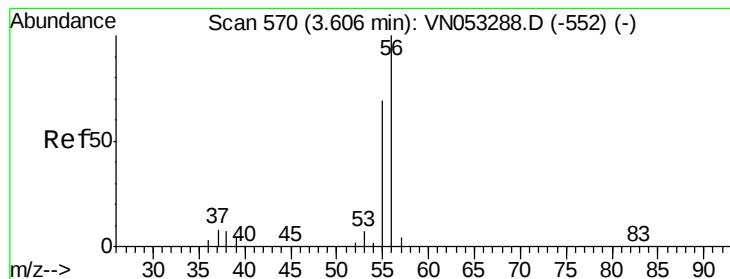
Tot Ion: 59 Resp: 139266
Ion Ratio Lower Upper
59 100
57 10.4 8.0 12.0



#12
1,1-Dichloroethene
Concen: 48.413 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion: 96 Resp: 413653
Ion Ratio Lower Upper
96 100
61 153.9 123.2 184.8
98 64.2 50.5 75.7





#13

Acrolein

Concen: 243.668 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

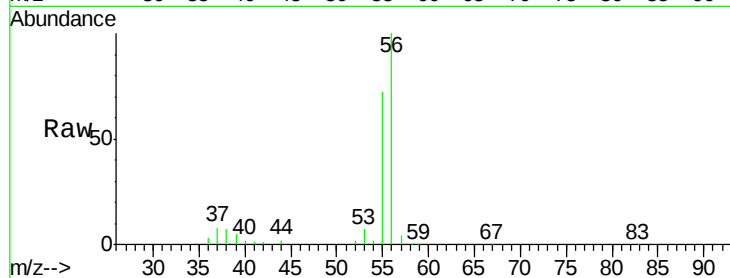
VSTDCCC050

Tot Ion: 56 Resp: 175557

Ion Ratio Lower Upper

56 100

55 70.0 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN053288.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN053288.D (-552) (-)

3.61

80000

60000

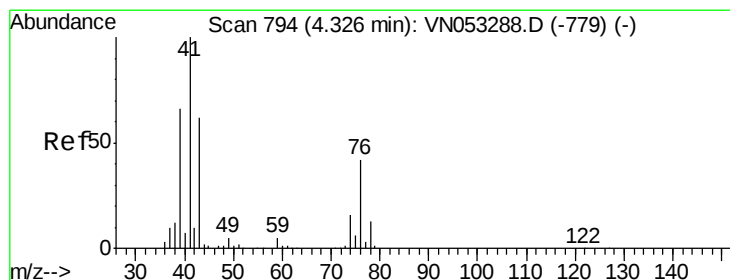
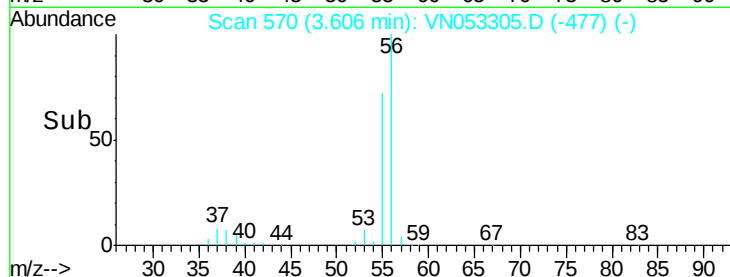
40000

20000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 47.944 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

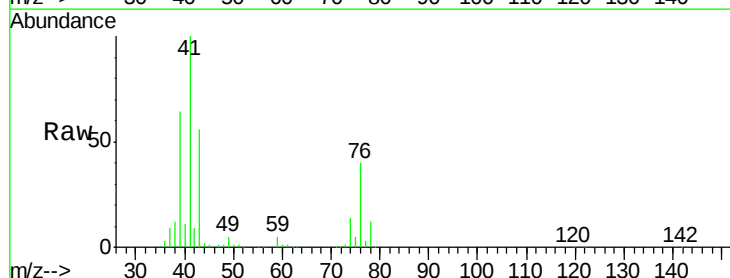
Tgt Ion: 41 Resp: 660251

Ion Ratio Lower Upper

41 100

39 64.6 51.9 77.9

76 38.8 31.2 46.8



Abundance Ion 41.00 (40.70 to 41.70): VN053288.D (-779) (-)

Ion 39.00 (38.70 to 39.70): VN053288.D (-779) (-)

Ion 75.90 (75.60 to 76.60): VN053288.D (-779) (-)

4.33

300000

250000

200000

150000

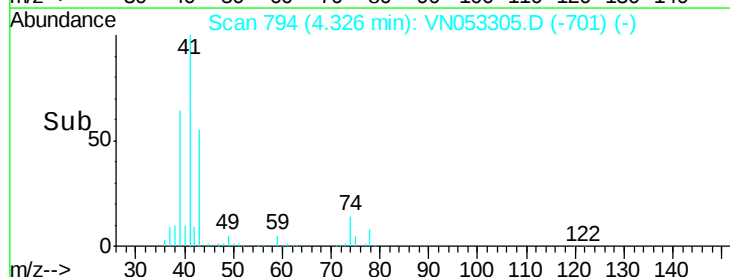
100000

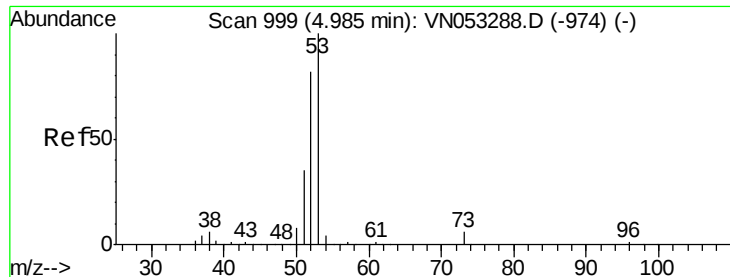
50000

0

Time-->

4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 239.653 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

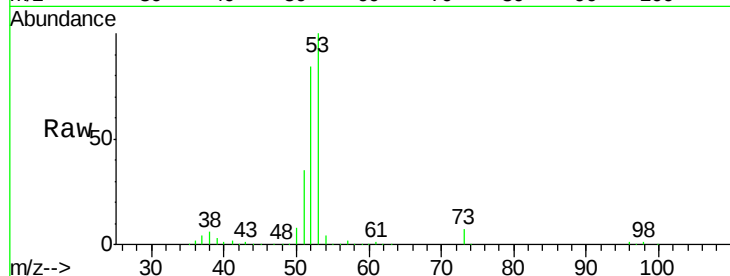
Tot Ion: 53 Resp: 819781

Ion Ratio Lower Upper

53 100

52 83.0 65.2 97.8

51 35.2 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN053288.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053288.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053288.D (-974) (-)

4.99

300000

250000

200000

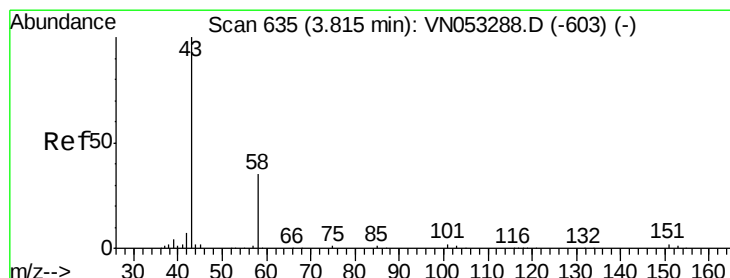
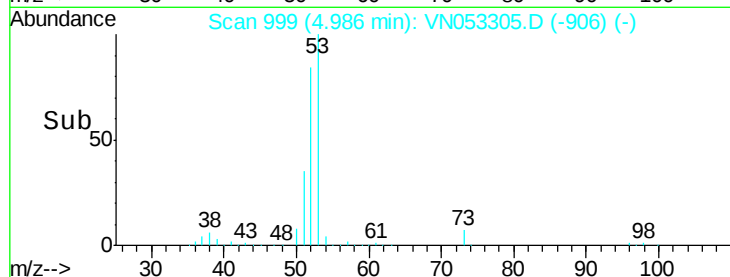
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#16

Acetone

Concen: 308.359 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053305.D

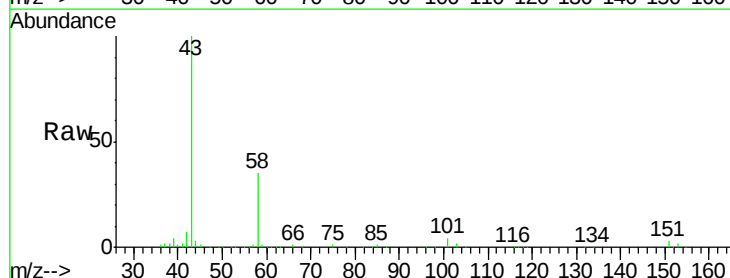
Acq: 8 Jan 2019 9:08

Tgt Ion: 43 Resp: 705824

Ion Ratio Lower Upper

43 100

58 34.9 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053288.D (-603) (-)

3.81

300000

250000

200000

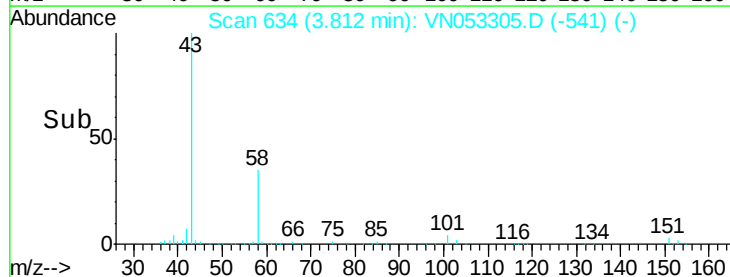
150000

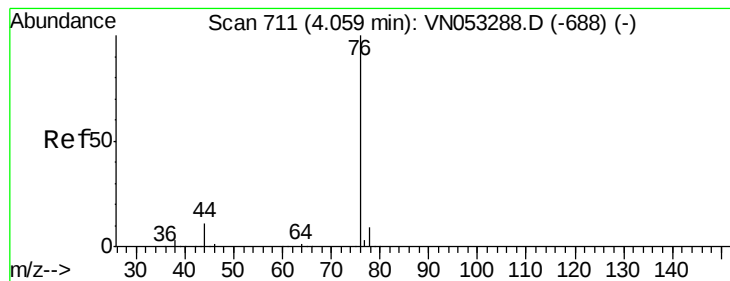
100000

50000

0

Time--> 3.60 3.70 3.80 3.90 4.00





#17

Carbon Disulfide

Concen: 48.861 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

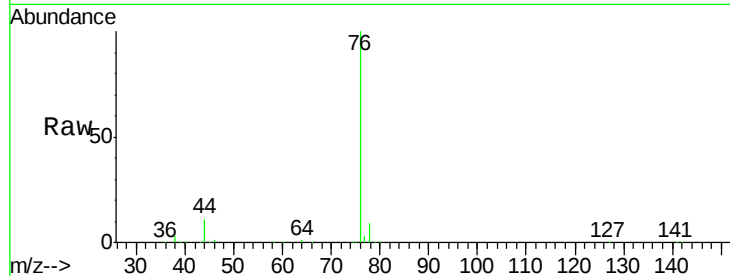
VSTDCCC050

Tot Ion: 76 Resp: 1287088

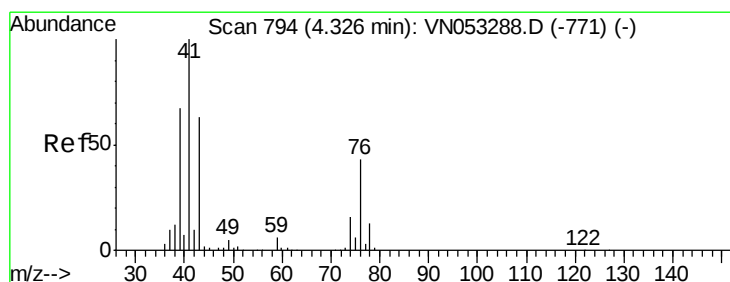
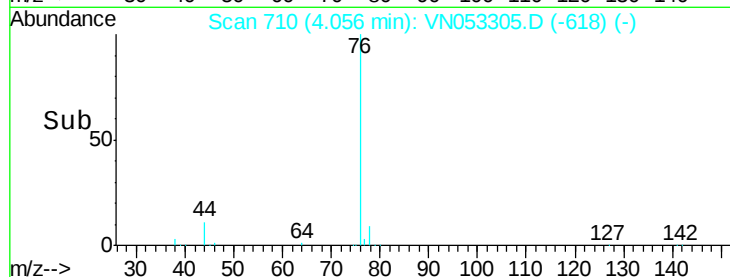
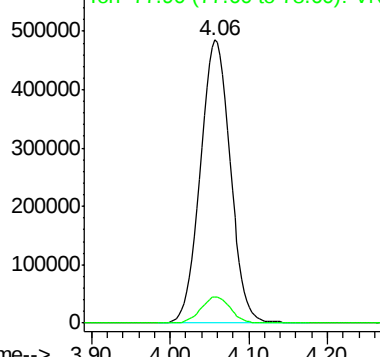
Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 43.969 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053305.D

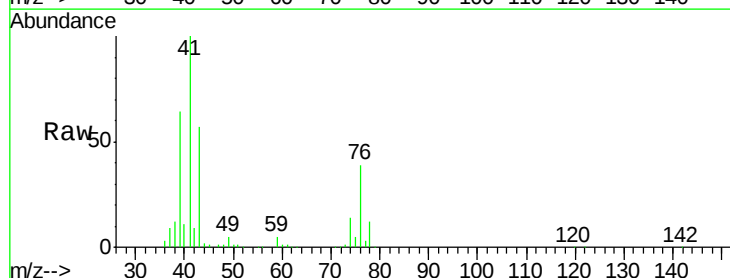
Acq: 8 Jan 2019 9:08

Tgt Ion: 43 Resp: 379107

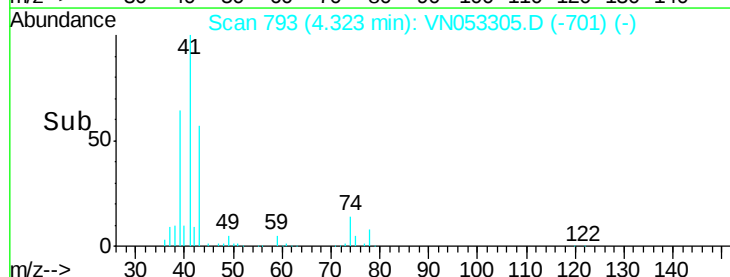
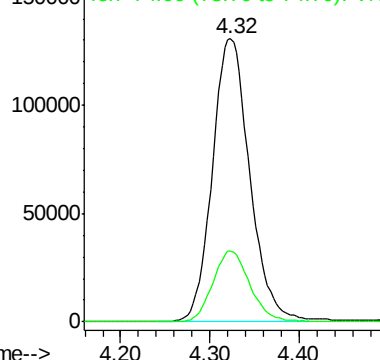
Ion Ratio Lower Upper

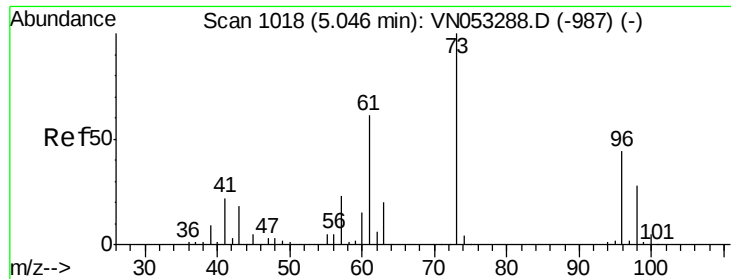
43 100

74 25.0 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

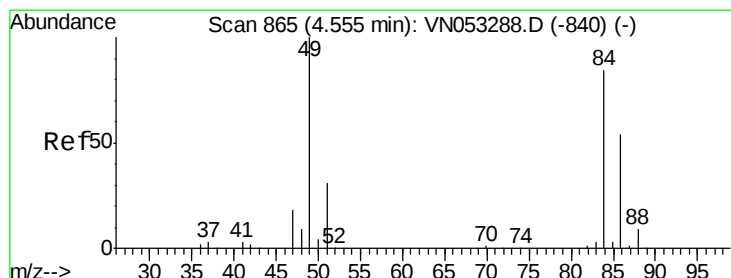
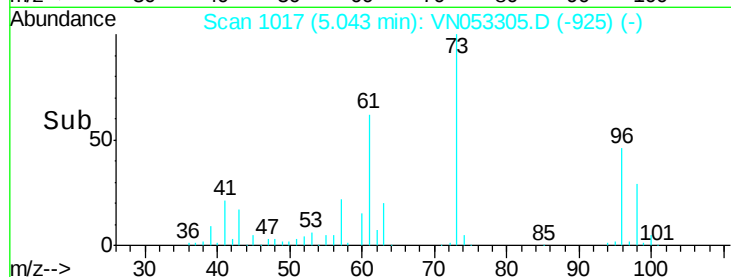
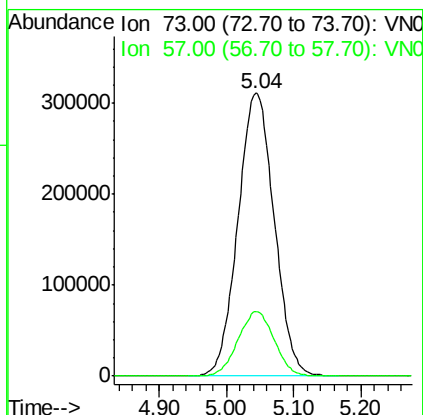
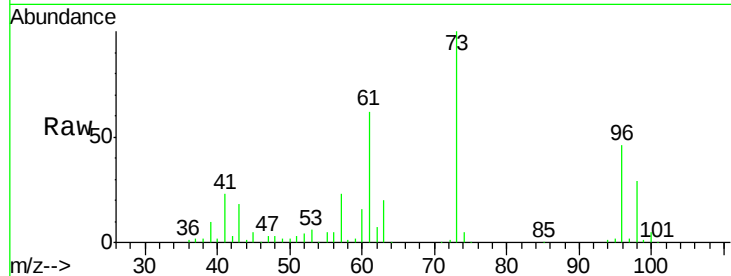




#19
Methyl tert-butyl Ether
Concen: 48.536 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

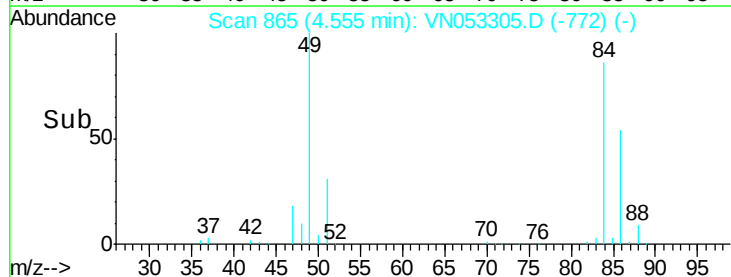
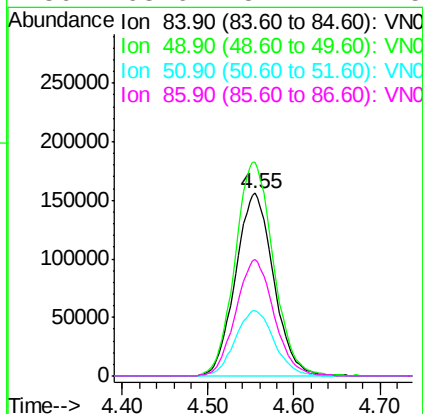
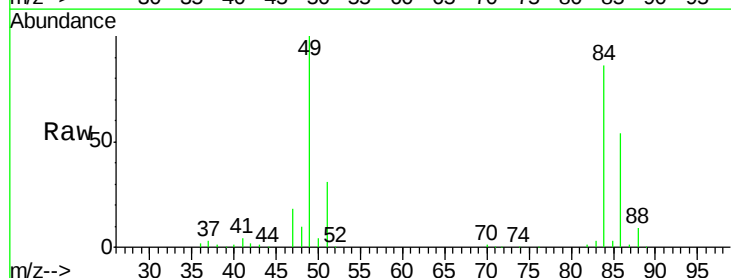
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

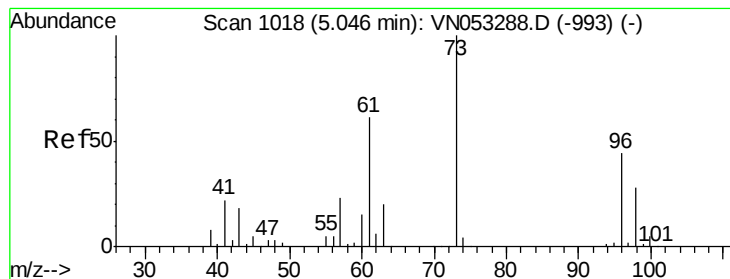
Tot Ion: 73 Resp: 1163896
Ion Ratio Lower Upper
73 100
57 22.7 18.5 27.7



#20
Methylene Chloride
Concen: 46.980 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion: 84 Resp: 480708
Ion Ratio Lower Upper
84 100
49 116.8 95.3 142.9
51 35.8 29.0 43.6
86 63.6 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 49.438 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

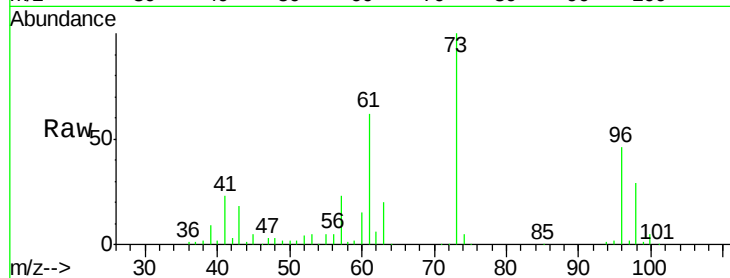
Tot Ion: 96 Resp: 453556

Ion Ratio Lower Upper

96 100

61 135.8 110.2 165.4

98 62.8 50.7 76.1

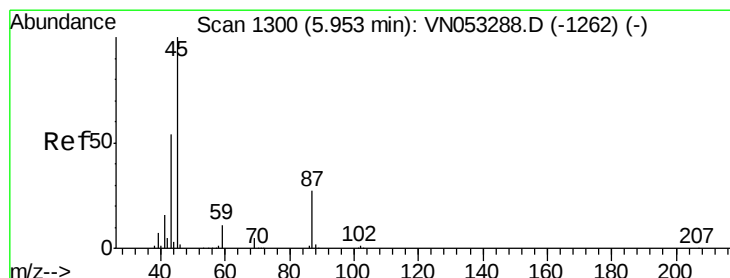
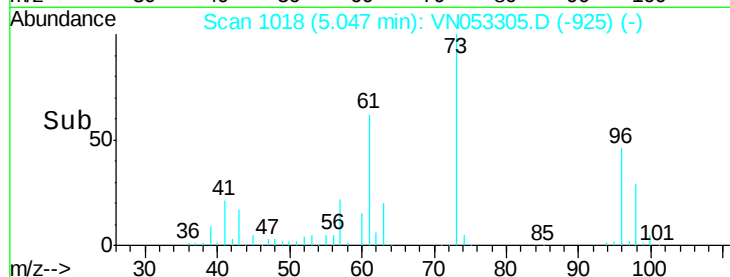
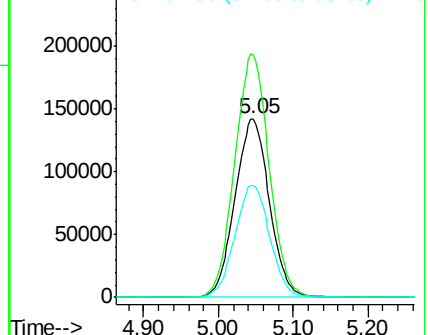


Abundance

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: 49.143 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Tgt Ion: 45 Resp: 1457920

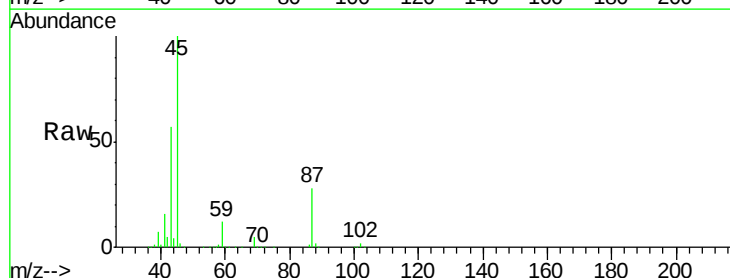
Ion Ratio Lower Upper

45 100

43 55.9 43.0 64.6

87 27.8 22.1 33.1

59 12.2 9.0 13.4



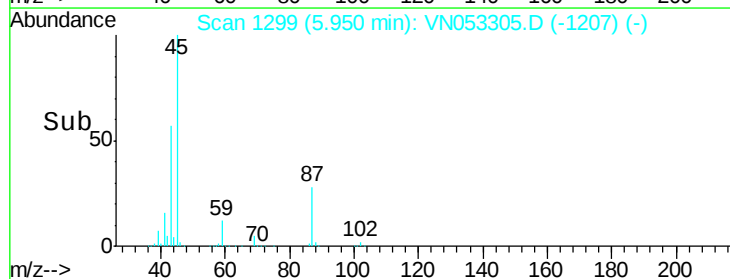
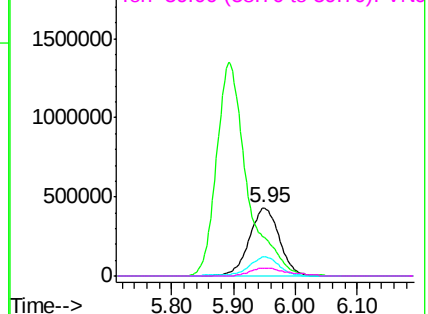
Abundance

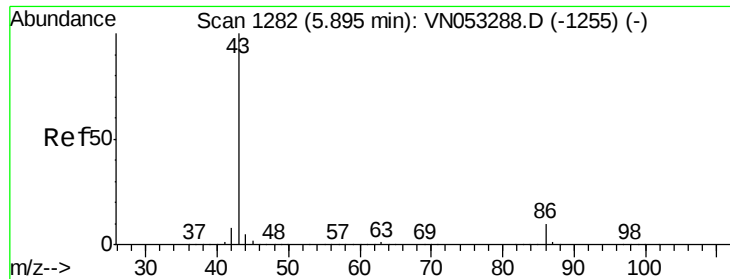
Ion 45.00 (44.70 to 45.70): VN0

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: 247.755 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

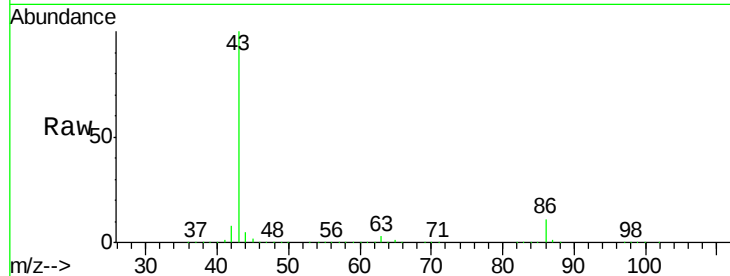
VSTDCCC050

Tot Ion: 43 Resp: 4624833

Ion Ratio Lower Upper

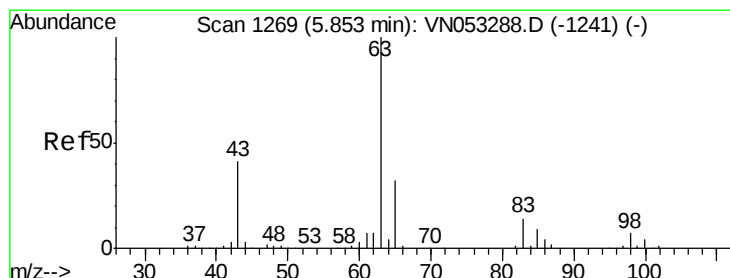
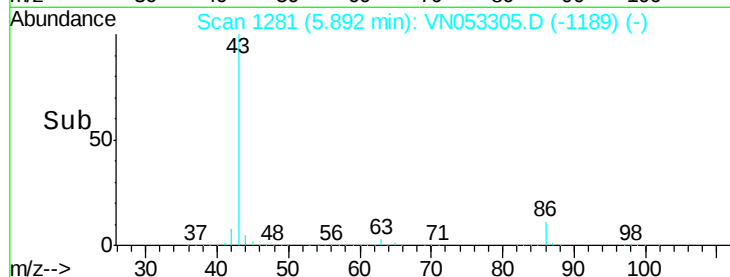
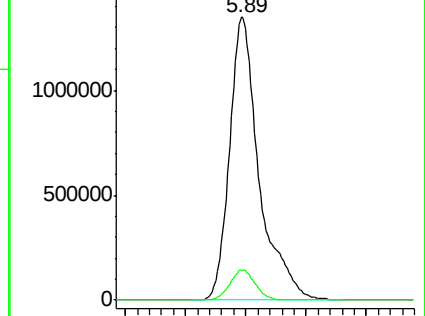
43 100

86 10.7 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.656 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

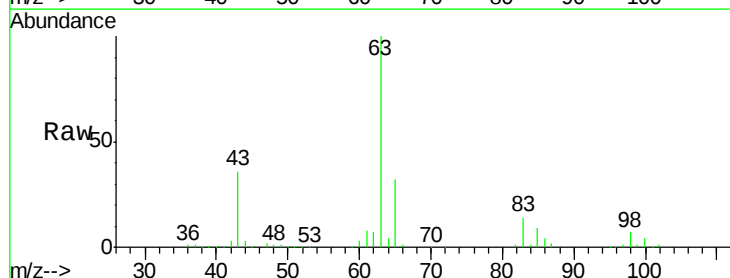
Tgt Ion: 63 Resp: 832528

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

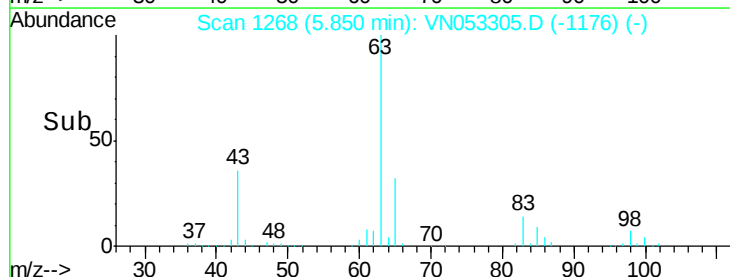
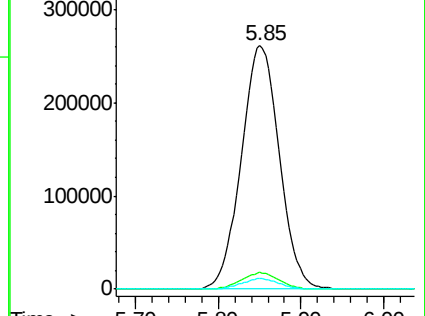
100 4.2 2.1 6.5

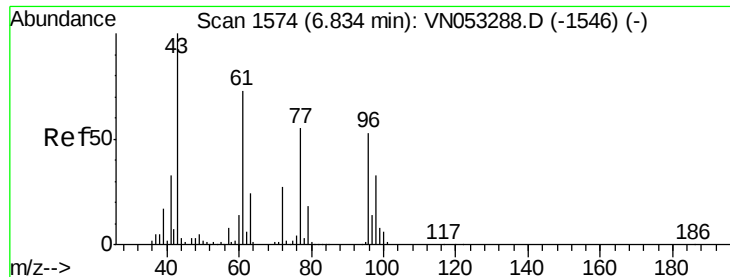


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 254.021 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

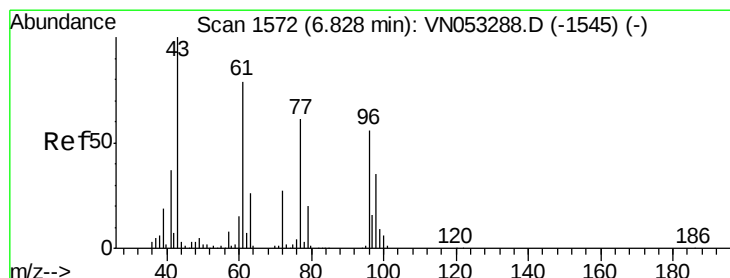
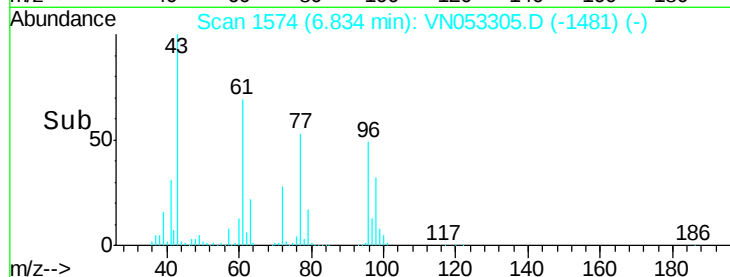
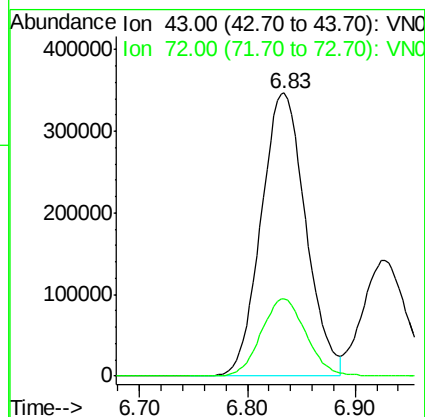
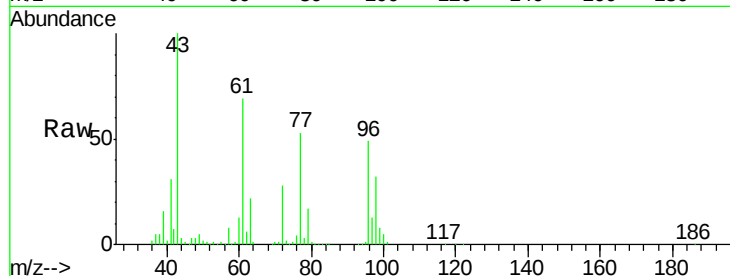
VSTDCCC050

Tot Ion: 43 Resp: 992842

Ion Ratio Lower Upper

43 100

72 27.5 22.0 33.0



#26

2,2-Dichloropropane

Concen: 50.848 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053305.D

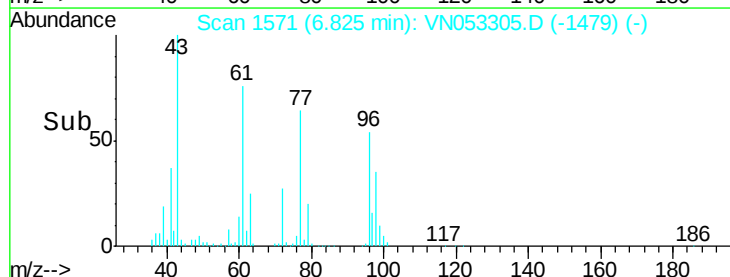
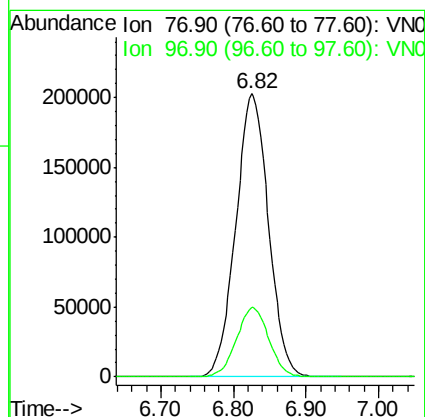
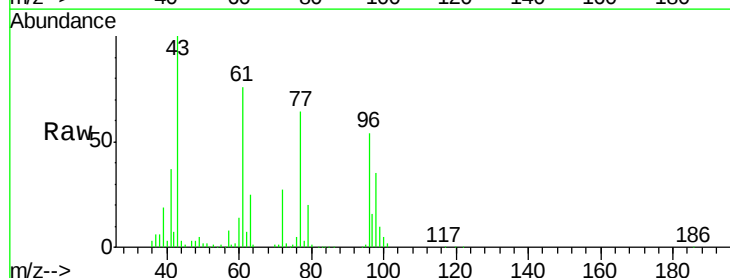
Acq: 8 Jan 2019 9:08

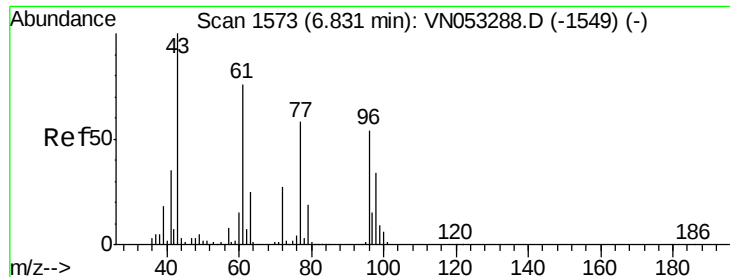
Tgt Ion: 77 Resp: 635984

Ion Ratio Lower Upper

77 100

97 24.3 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 49.321 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

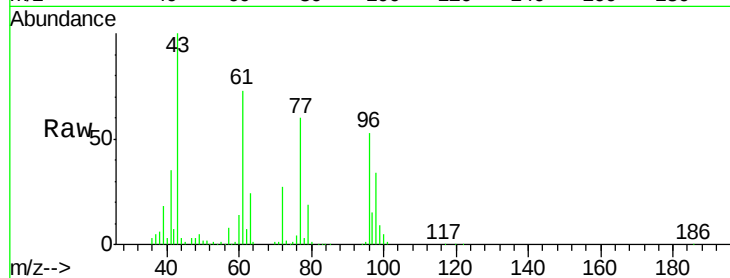
Tot Ion: 96 Resp: 516715

Ion Ratio Lower Upper

96 100

61 140.7 0.0 280.6

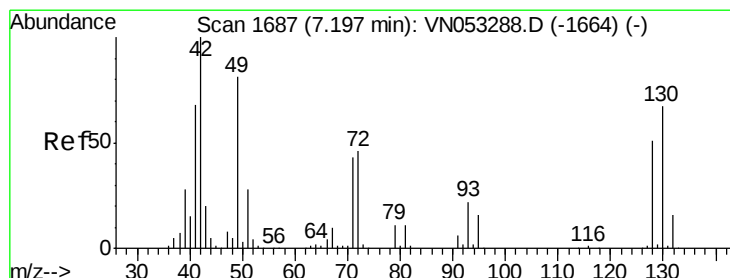
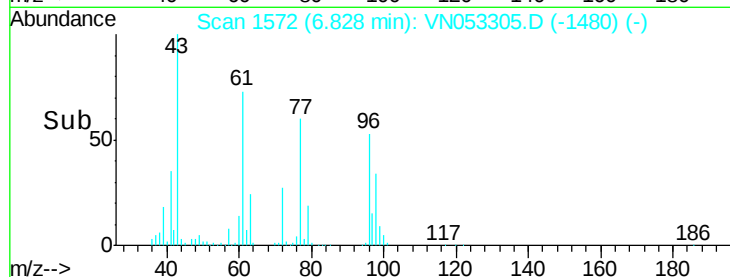
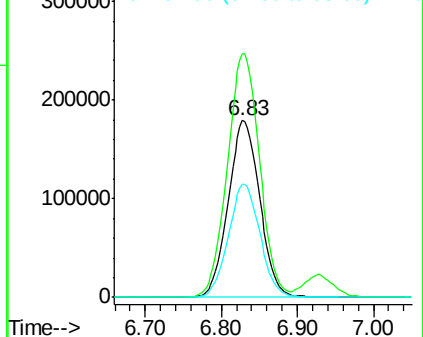
98 64.0 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.840 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

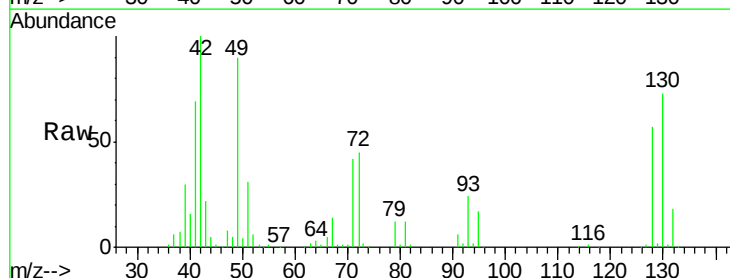
Tgt Ion: 49 Resp: 370702

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

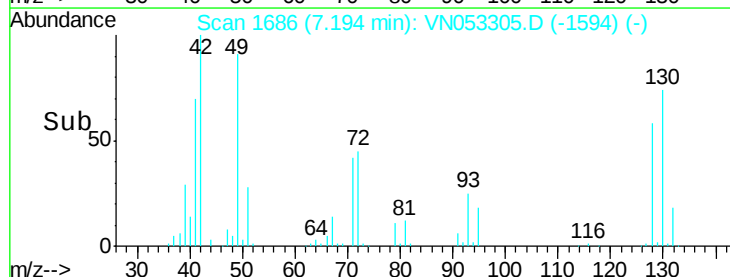
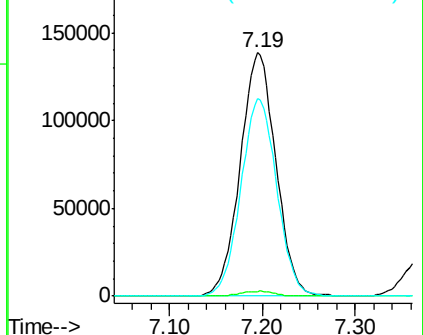
130 81.7 65.4 98.0

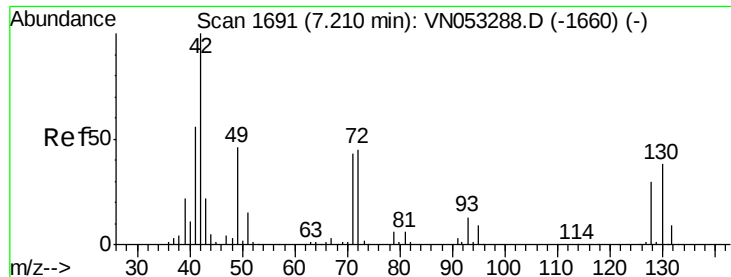


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 239.576 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

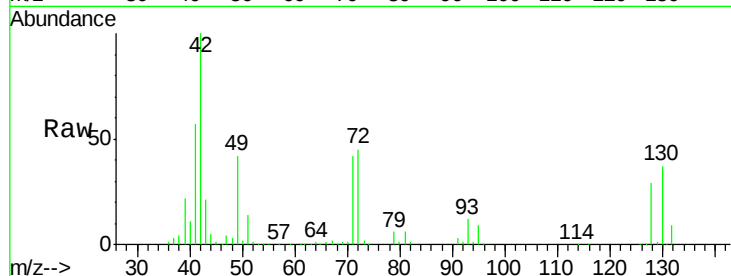
Tot Ion: 42 Resp: 617929

Ion Ratio Lower Upper

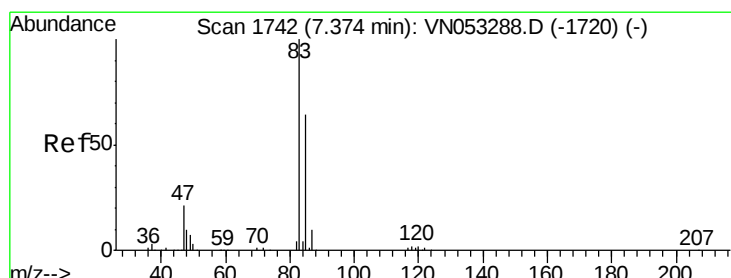
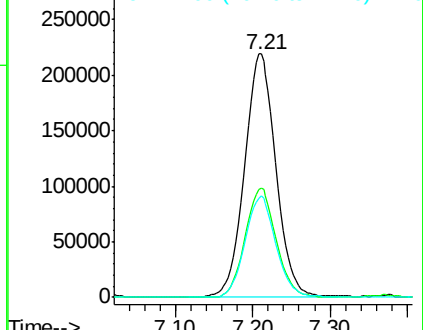
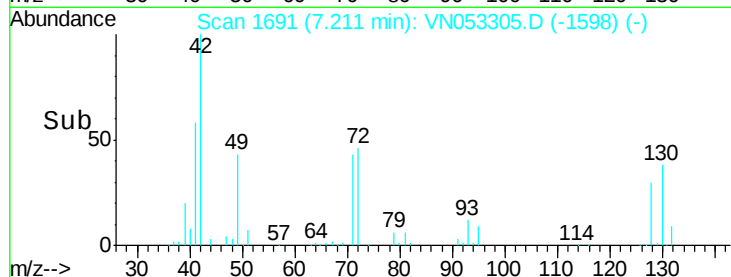
42 100

72 44.4 35.6 53.4

71 41.2 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VN053305.D (-1598) (-)



#30

Chloroform

Concen: 48.815 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053305.D

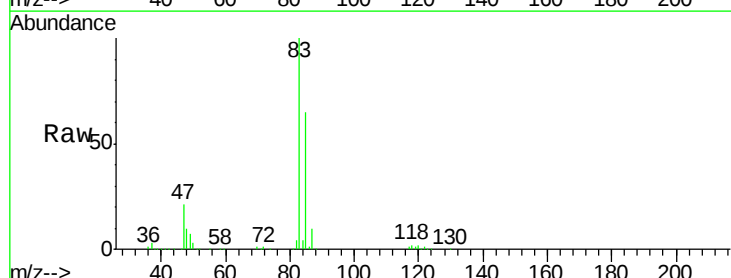
Acq: 8 Jan 2019 9:08

Tgt Ion: 83 Resp: 822117

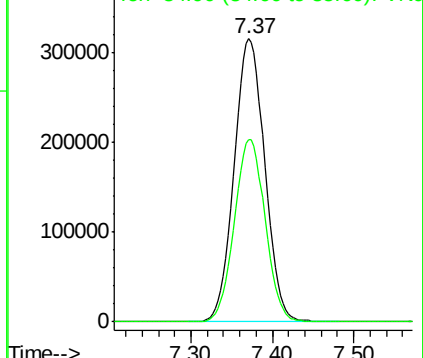
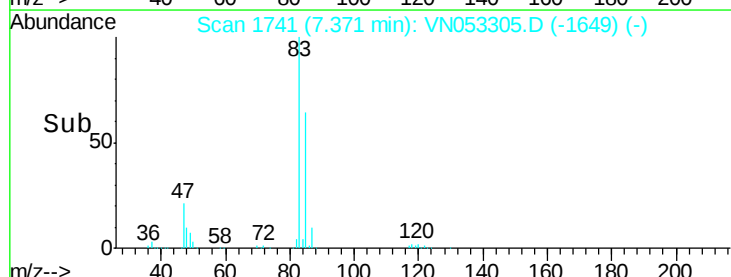
Ion Ratio Lower Upper

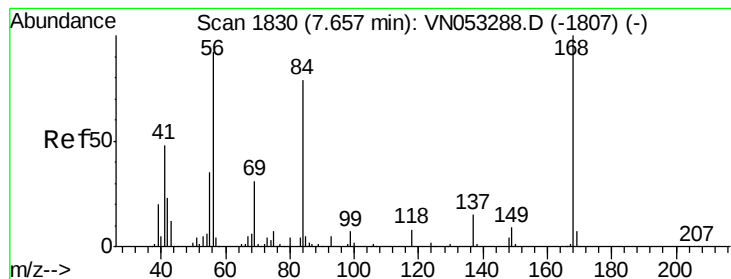
83 100

85 64.5 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN053305.D (-1649) (-)





#31

Cyclohexane

Concen: 49.630 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

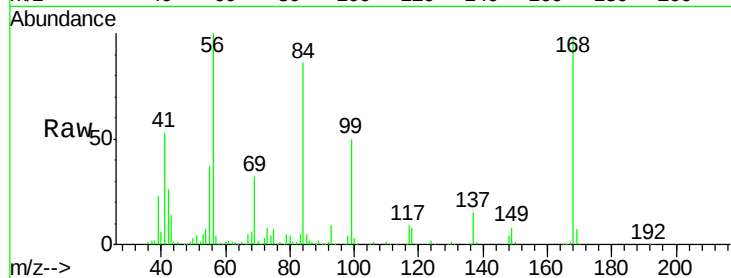
Tot Ion: 56 Resp: 807002

Ion Ratio Lower Upper

56 100

69 32.3 26.7 40.1

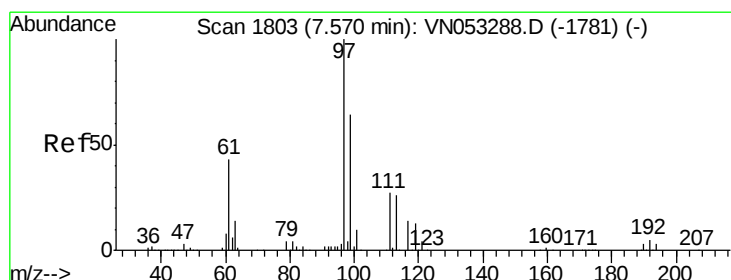
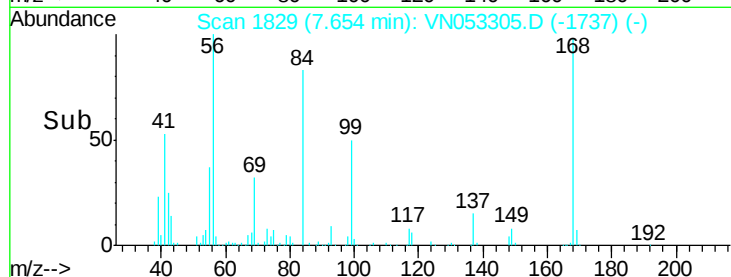
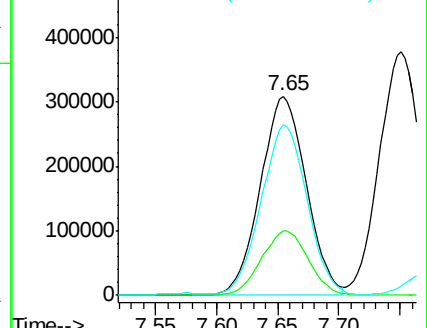
84 84.6 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.647 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

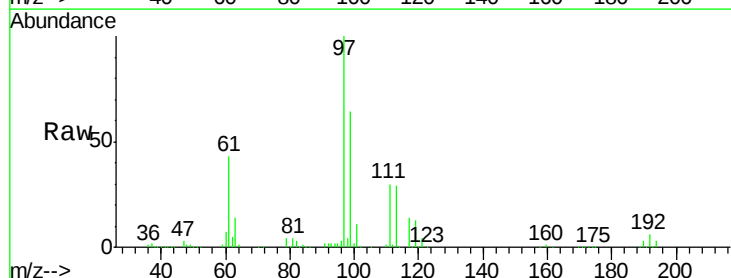
Tgt Ion: 97 Resp: 682713

Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

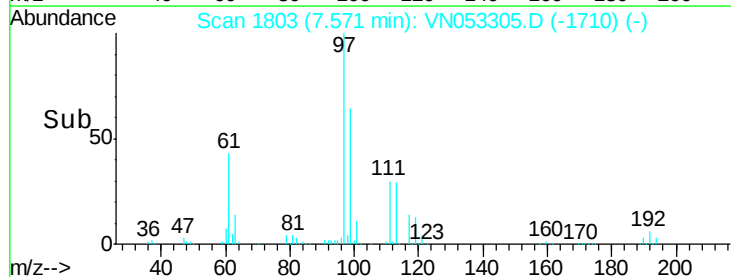
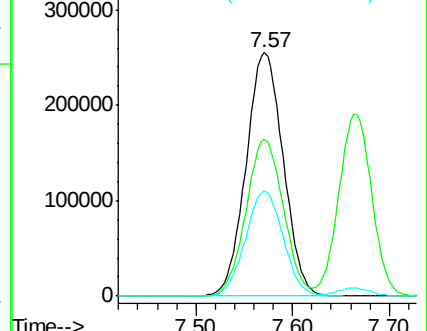
61 43.6 34.6 52.0

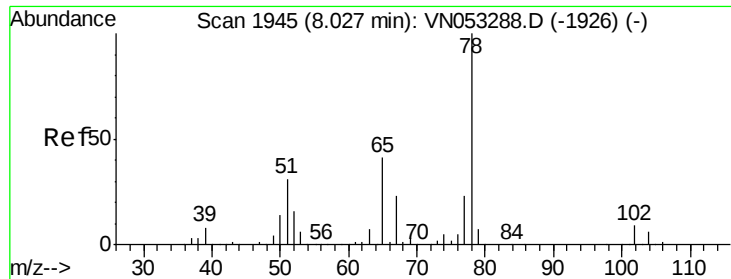


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.647 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

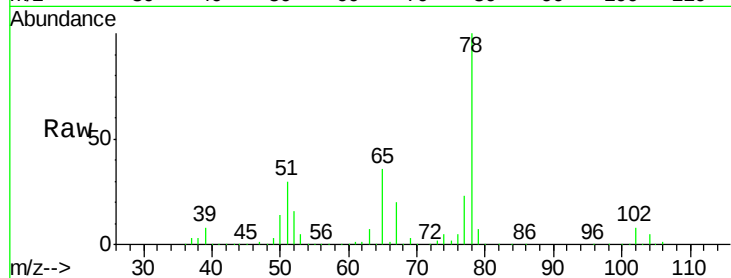
VSTDCCC050

Tot Ion: 65 Resp: 447233

Ion Ratio Lower Upper

65 100

67 55.2 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN053305.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053305.D (-1852) (-)

8.03

200000

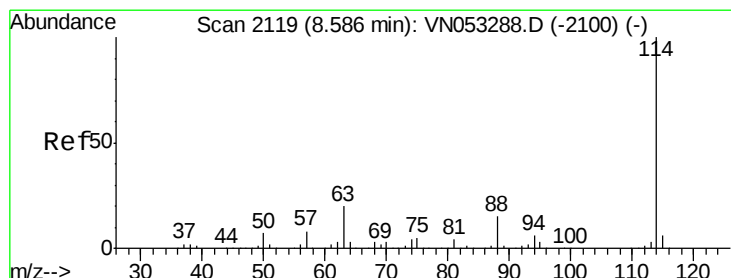
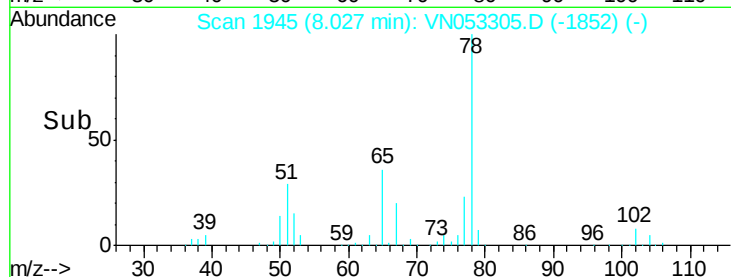
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

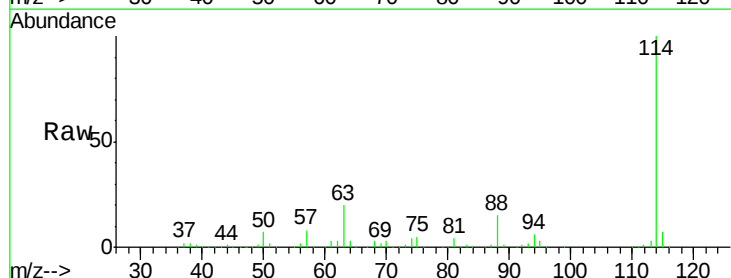
Tgt Ion: 114 Resp: 1347170

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

88 15.1 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN053305.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053305.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053305.D (-2026) (-)

8.58

800000

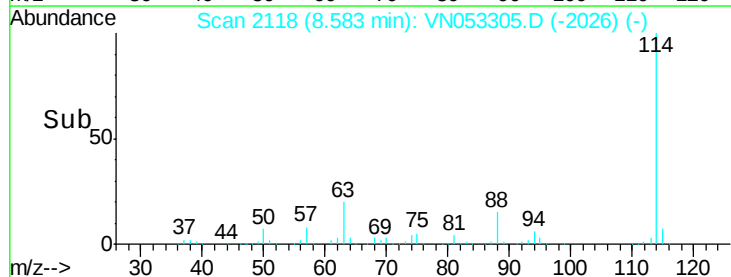
600000

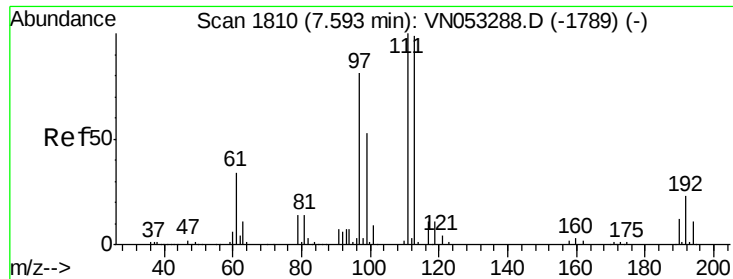
400000

200000

0

Time-->

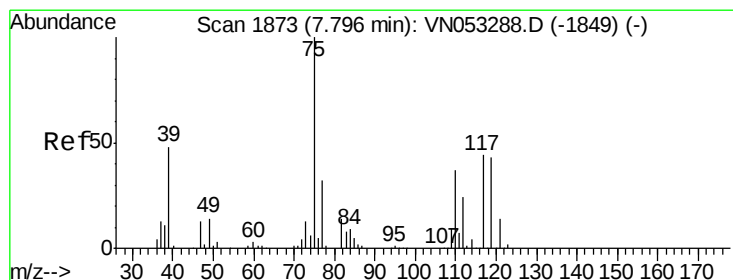
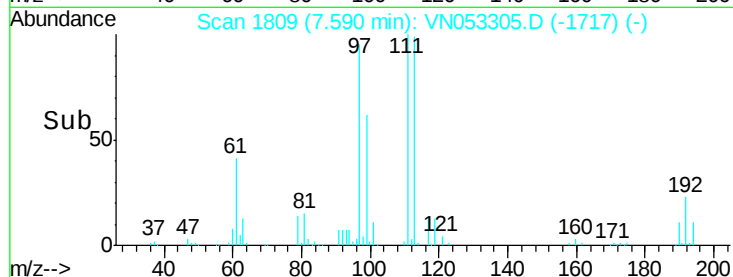
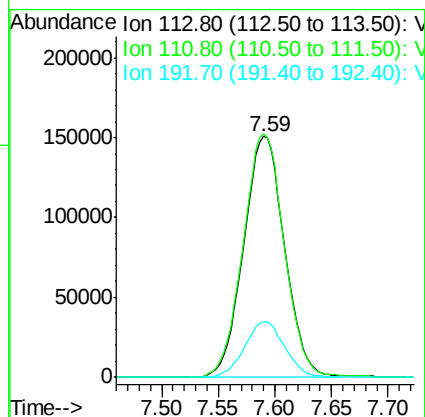
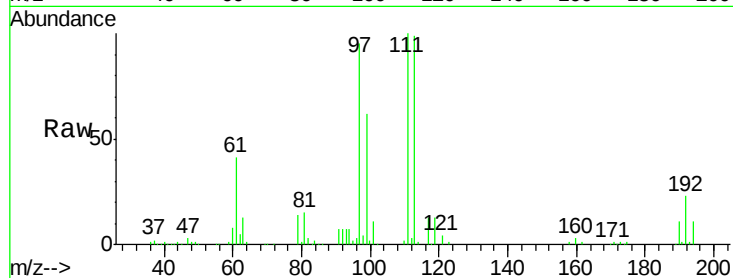




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

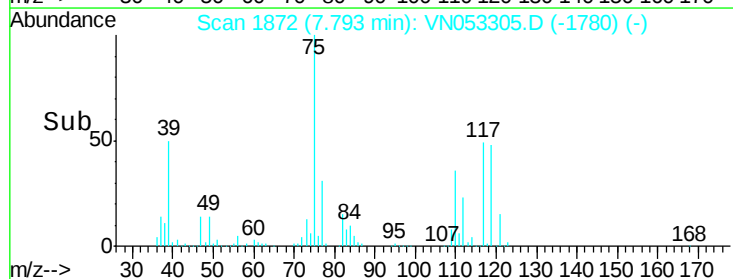
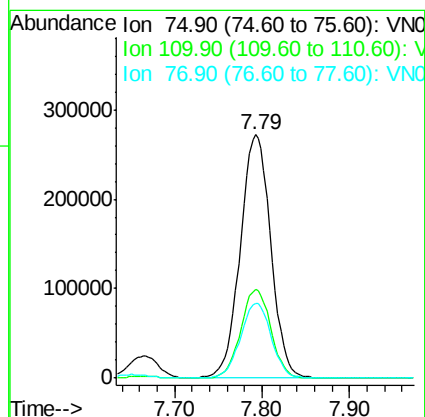
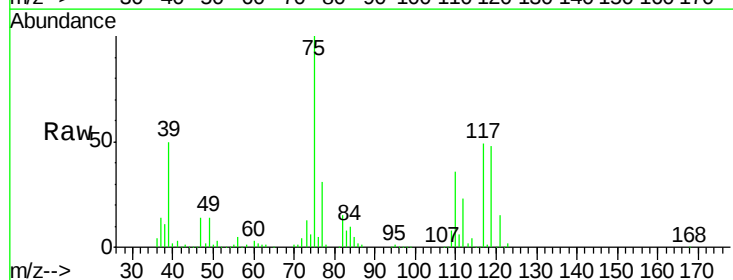
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

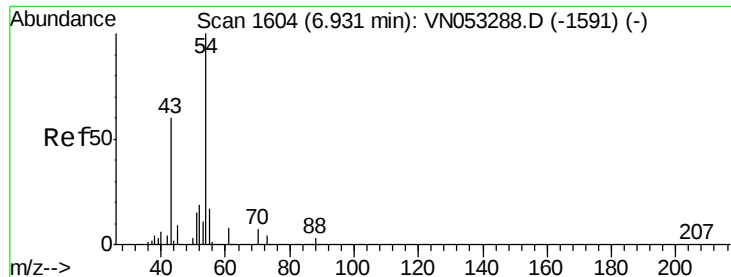
Tot Ion:113 Resp: 378800
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.4 122.2
 192 22.8 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 52.074 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion: 75 Resp: 654923
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.4 55.0
 77 31.3 25.3 37.9

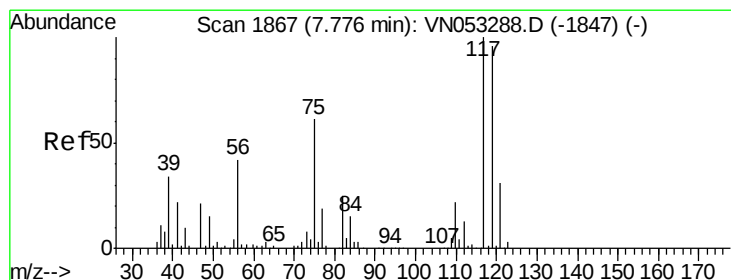
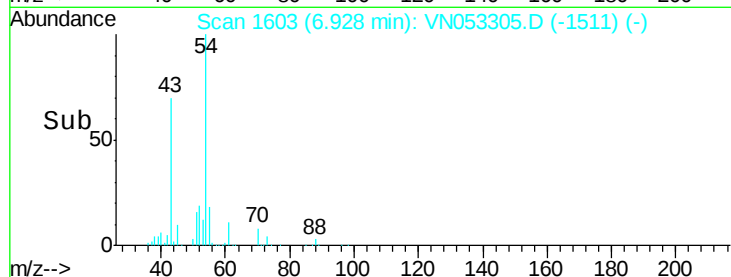
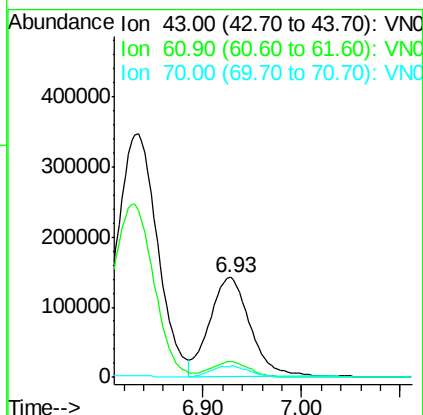
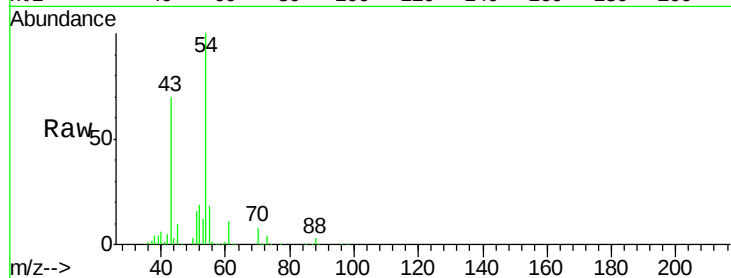




#37
Ethyl Acetate
Concen: 49.533 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

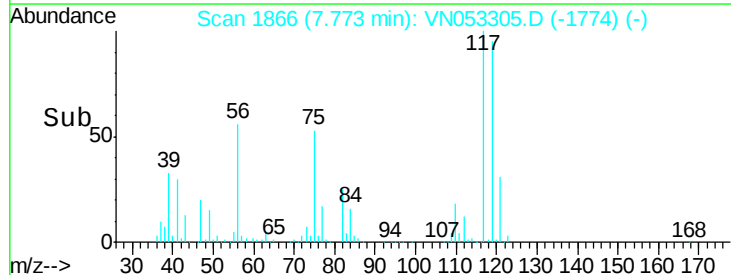
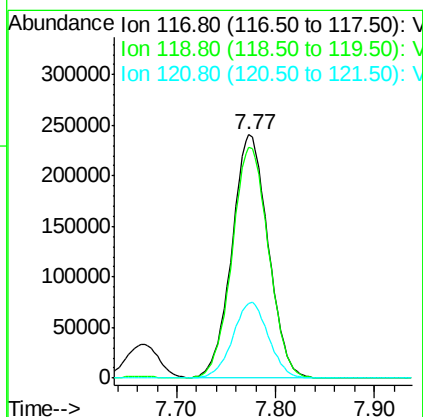
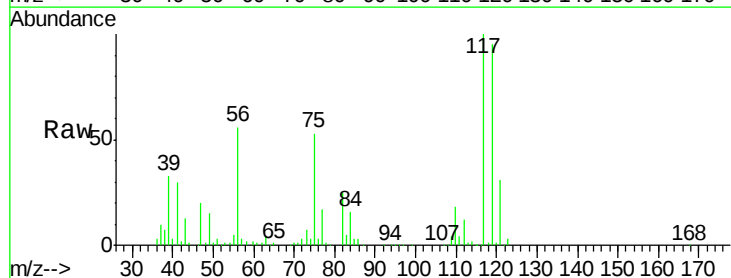
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

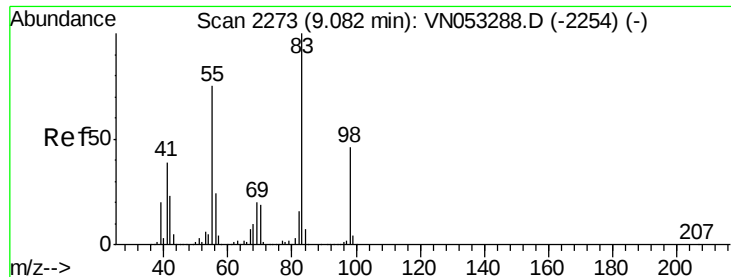
Tot Ion: 43 Resp: 405772
Ion Ratio Lower Upper
43 100
61 15.1 11.9 17.9
70 11.1 8.6 13.0



#38
Carbon Tetrachloride
Concen: 52.670 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion: 117 Resp: 611413
Ion Ratio Lower Upper
117 100
119 94.6 76.6 115.0
121 30.7 25.0 37.4

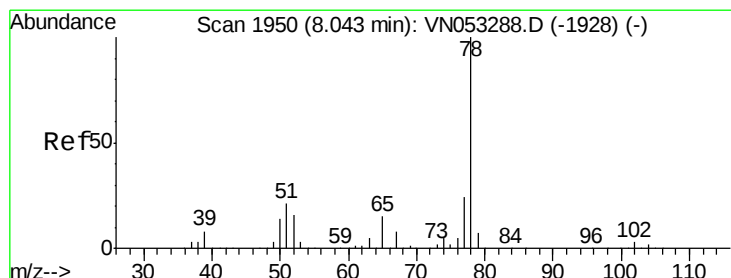
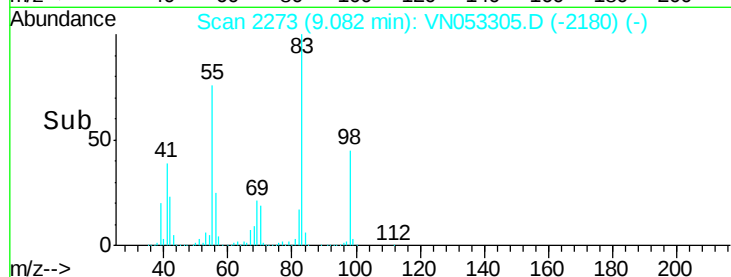
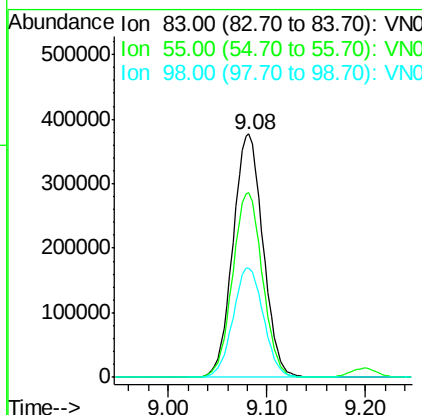
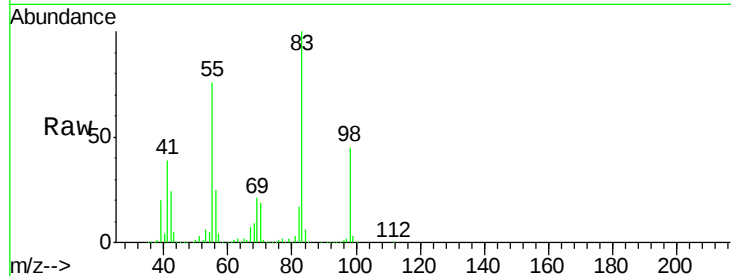




#39
Methvlcvclohexane
Concen: 54.484 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

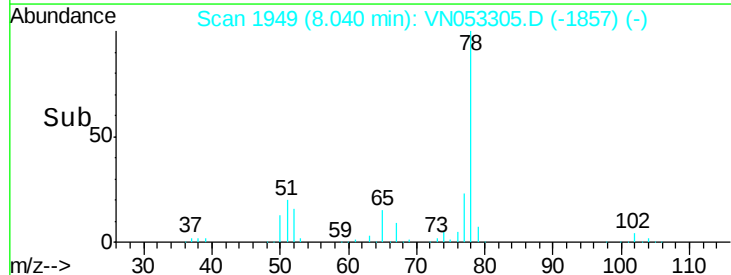
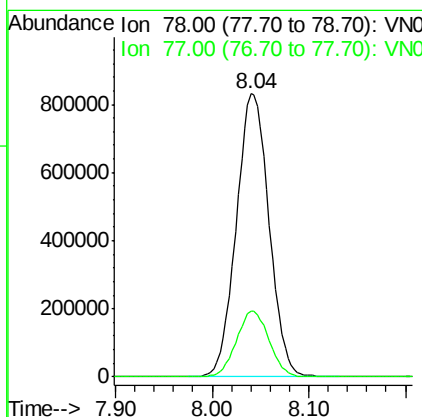
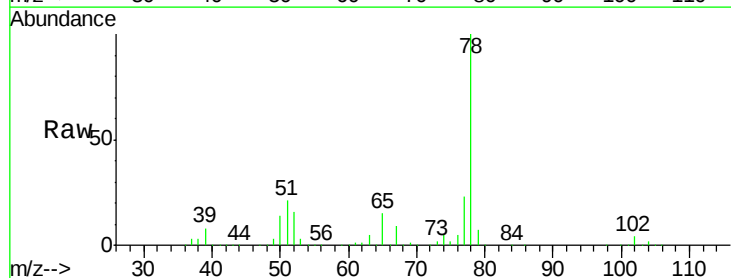
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

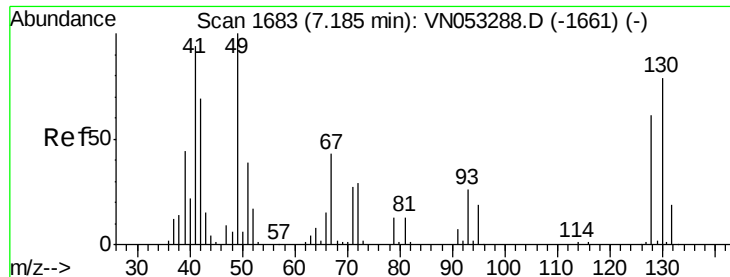
Tot Ion: 83 Resp: 793847
Ion Ratio Lower Upper
83 100
55 75.8 60.1 90.1
98 44.9 36.7 55.1



#40
Benzene
Concen: 50.956 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion: 78 Resp: 1957573
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

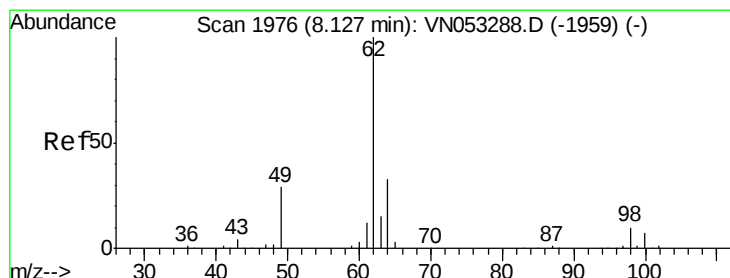
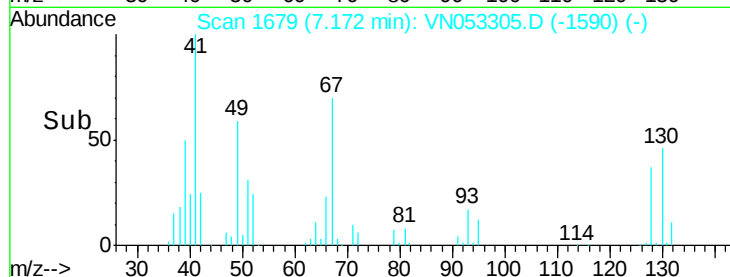
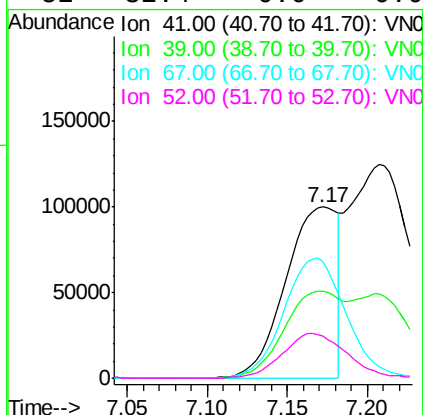
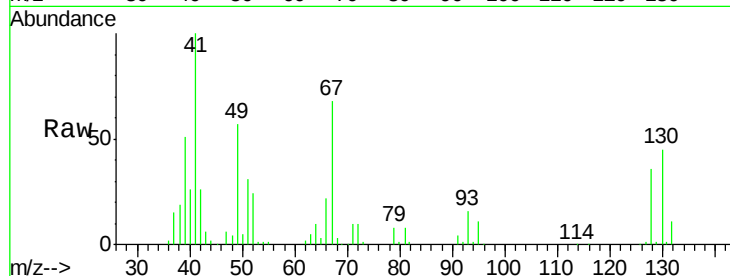




#41
Methacrylonitrile
Concen: 44.384 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

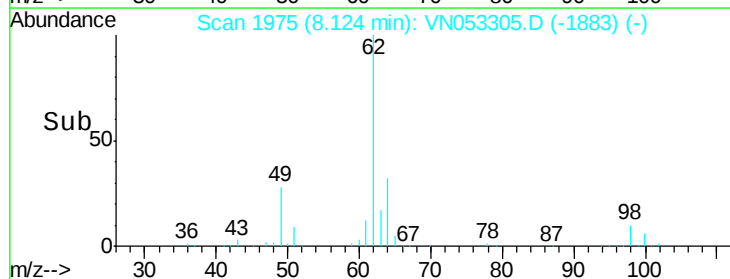
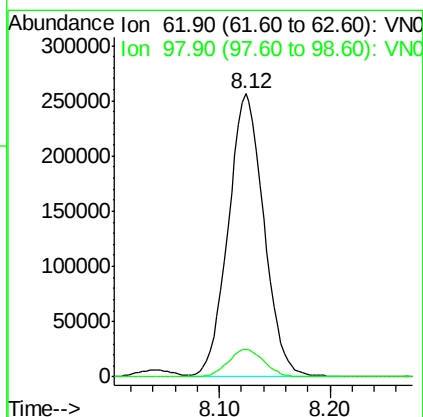
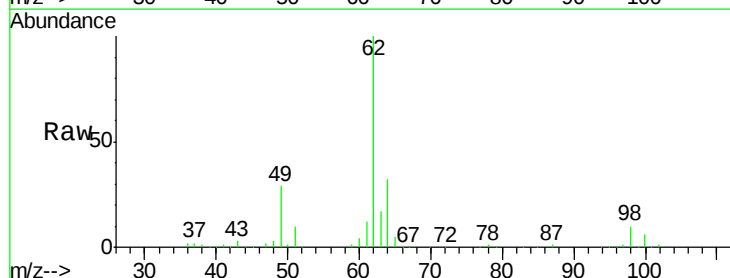
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

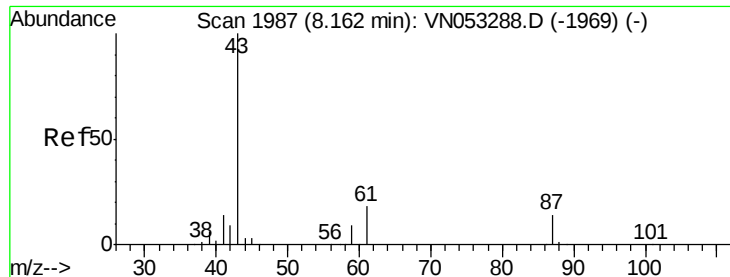
Tot Ion: 41 Resp: 225730
Ion Ratio Lower Upper
41 100
39 59.4 0.0 0.0#
67 84.5 0.0 0.0#
52 32.4 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 50.173 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion: 62 Resp: 571749
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.2





#43

Isopropyl Acetate

Concen: 44.739 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

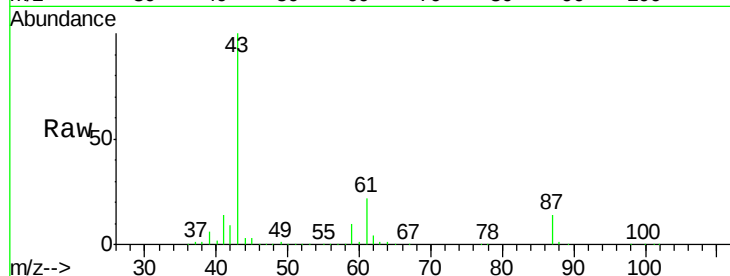
Tot Ion: 43 Resp: 721001

Ion Ratio Lower Upper

43 100

61 30.5 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

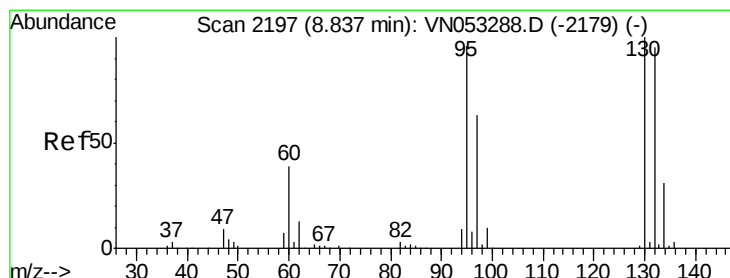
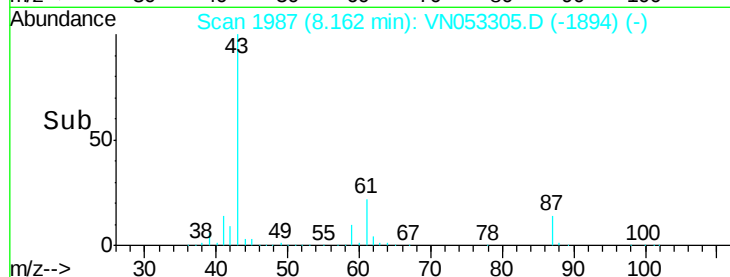
200000

100000

0

8.10 8.20

Time-->



#44

Trichloroethene

Concen: 50.982 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053305.D

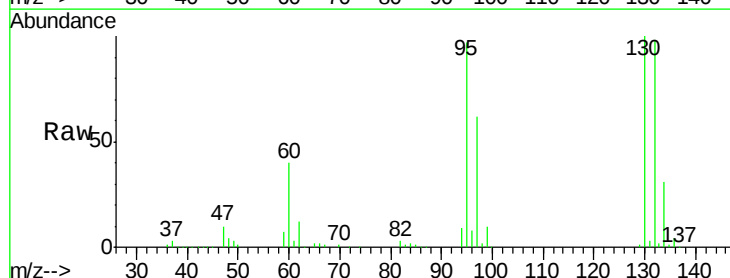
Acq: 8 Jan 2019 9:08

Tgt Ion:130 Resp: 537797

Ion Ratio Lower Upper

130 100

95 97.4 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

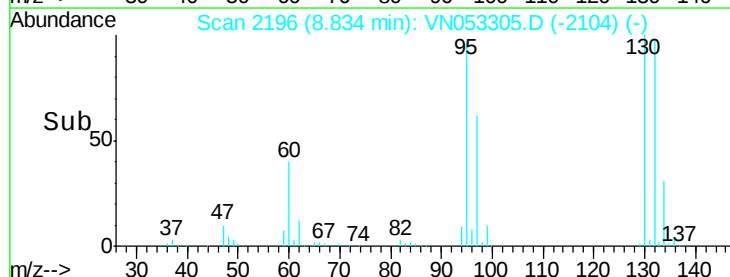
100000

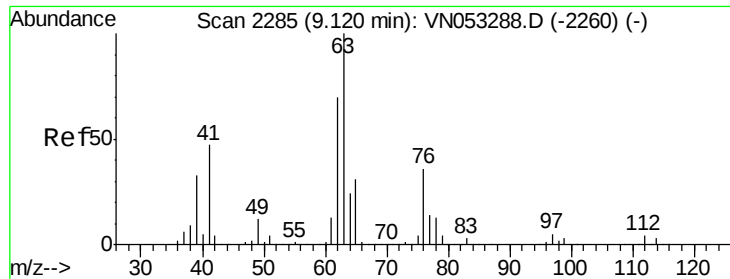
50000

0

8.80 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 51.311 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

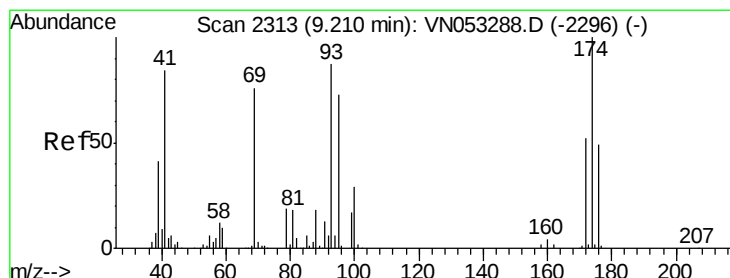
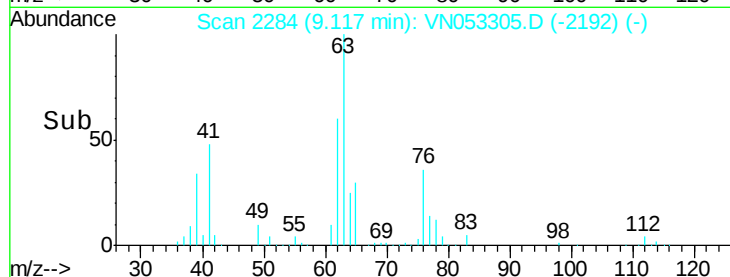
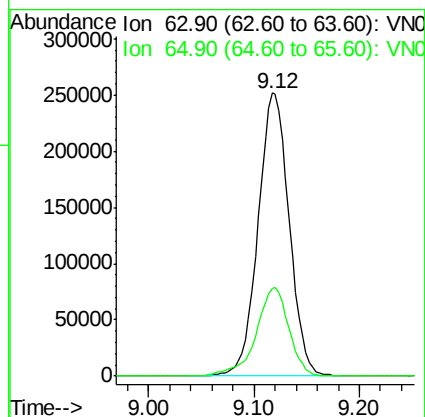
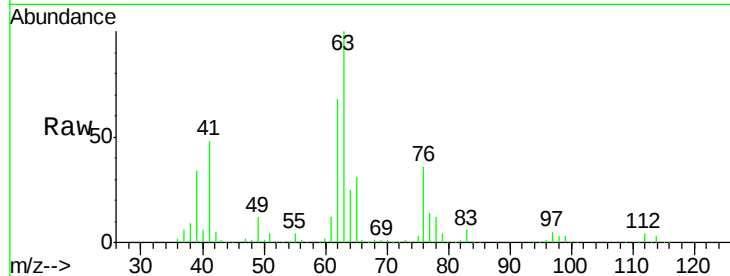
VSTDCCC050

Tot Ion: 63 Resp: 517007

Ion Ratio Lower Upper

63 100

65 31.0 25.0 37.6



#46

Dibromomethane

Concen: 50.933 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

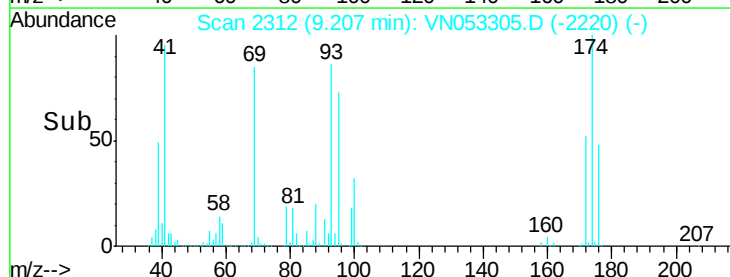
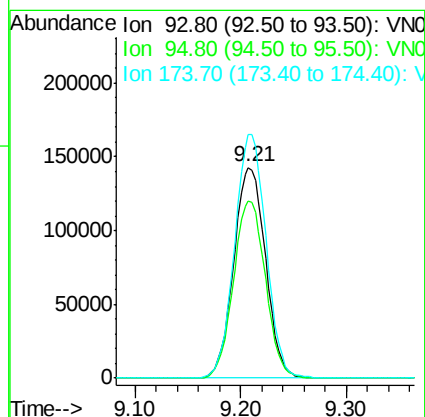
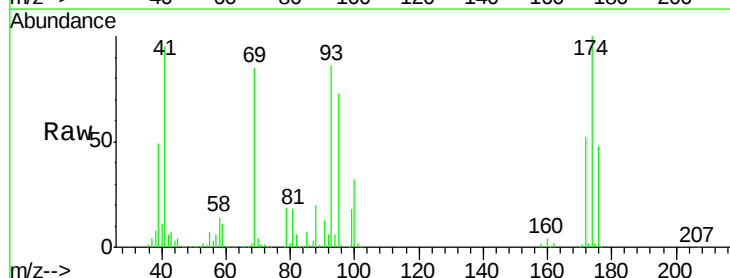
Tgt Ion: 93 Resp: 299227

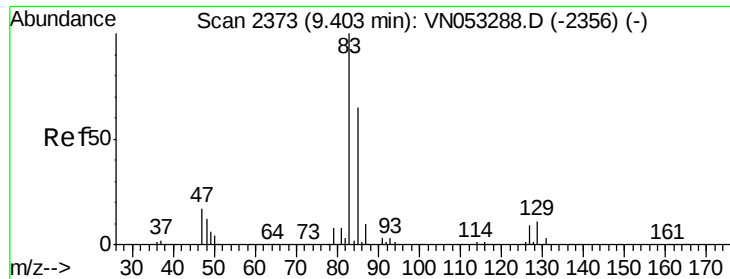
Ion Ratio Lower Upper

93 100

95 84.4 66.6 100.0

174 114.2 91.4 137.0

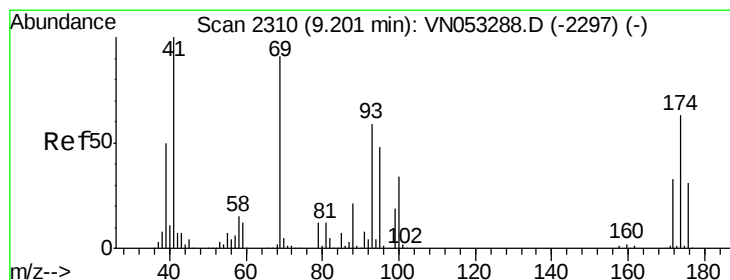
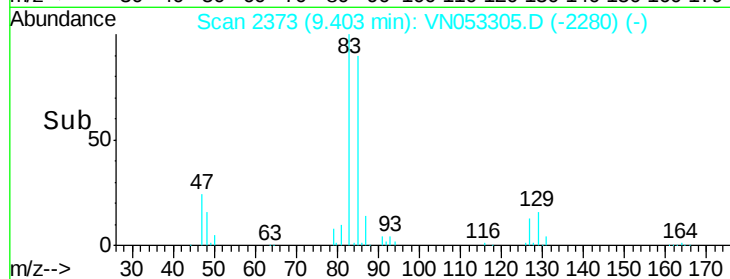
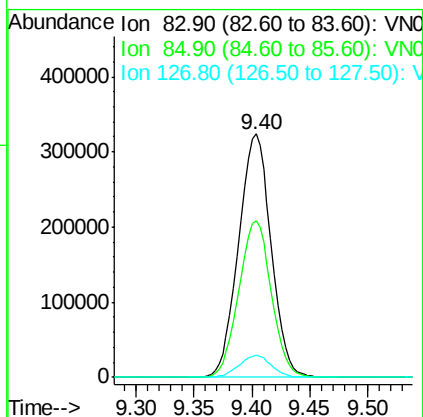
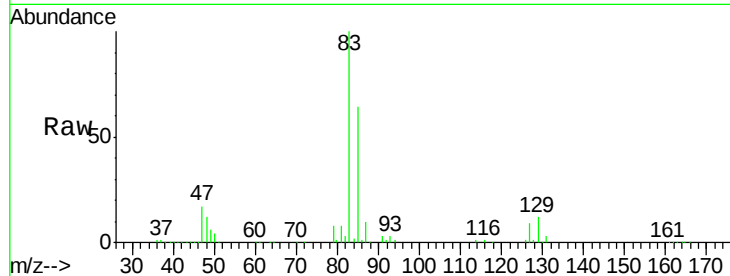




#47
Bromodichloromethane
Concen: 51.633 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

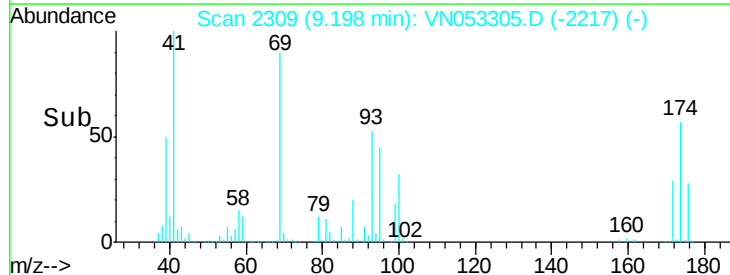
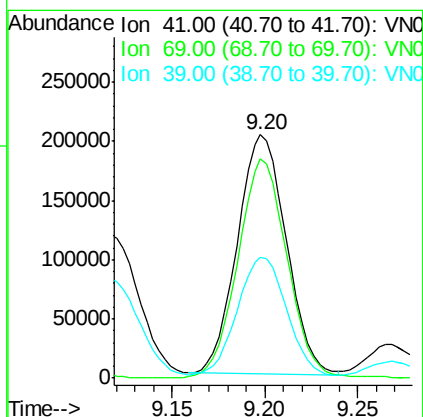
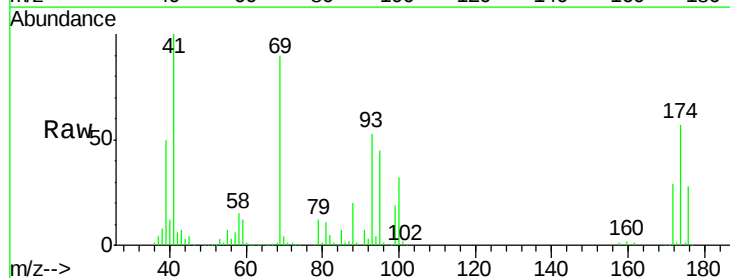
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

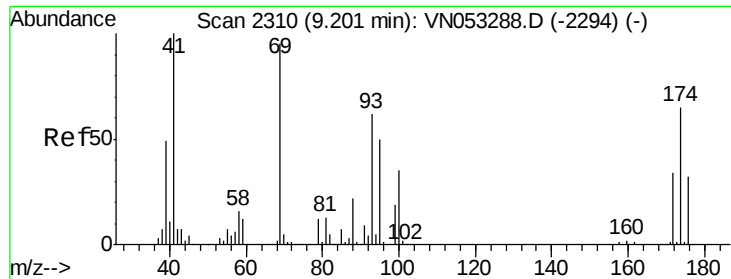
Tot Ion: 83 Resp: 632142
Ion Ratio Lower Upper
83 100
85 64.4 51.7 77.5
127 9.0 7.0 10.6



#48
Methyl methacrylate
Concen: 50.715 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion: 41 Resp: 371314
Ion Ratio Lower Upper
41 100
69 92.5 73.5 110.3
39 52.1 41.6 62.4





#49

1,4-Dioxane

Concen: 1091.420 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

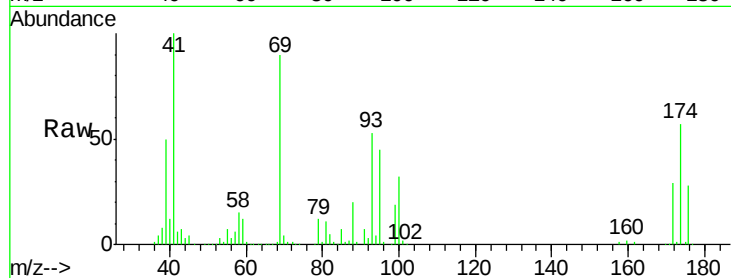
Tot Ion: 88 Resp: 85137

Ion Ratio Lower Upper

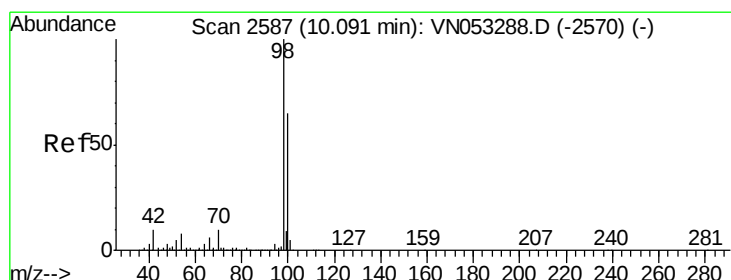
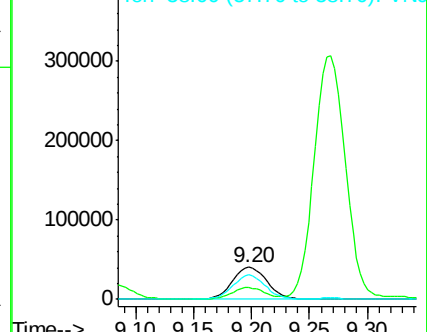
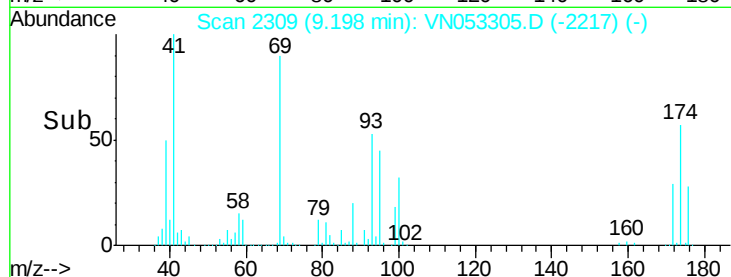
88 100

43 32.9 26.2 39.4

58 70.5 55.5 83.3



Abundance Ion 88.00 (87.70 to 88.70): VN053305.D (-2217) (-)



#50

Toluene-d8

Concen: 1091.420 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053305.D

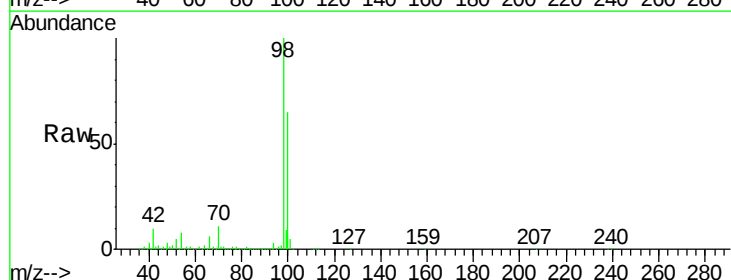
Acq: 8 Jan 2019 9:08

Tgt Ion: 98 Resp: 1636033

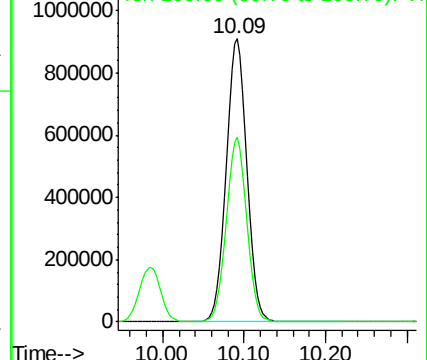
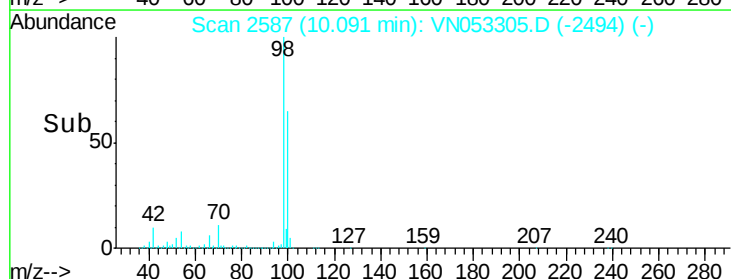
Ion Ratio Lower Upper

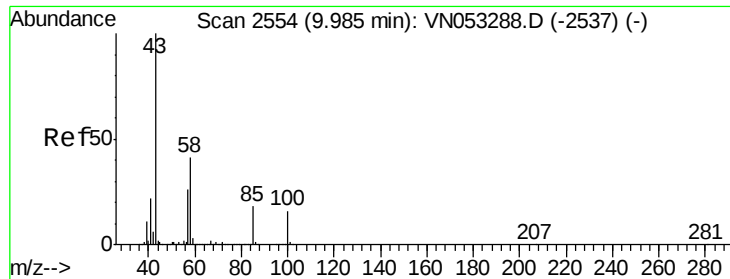
98 100

100 64.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN053305.D (-2494) (-)

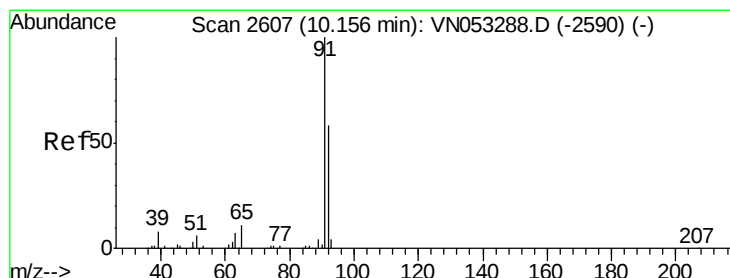
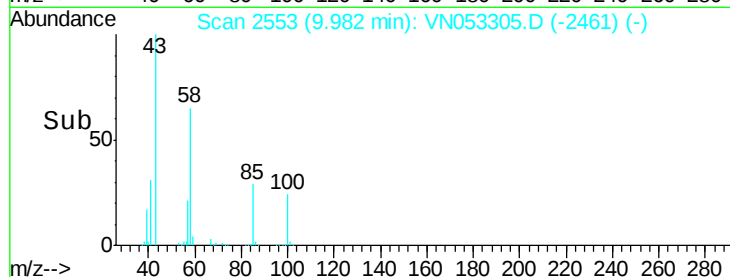
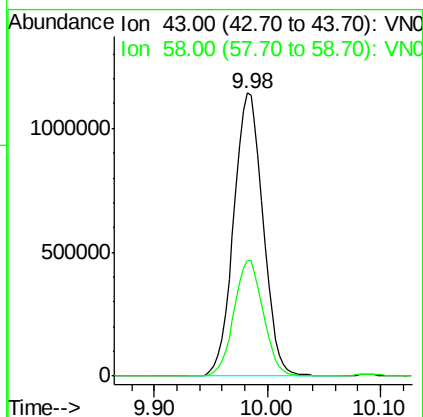
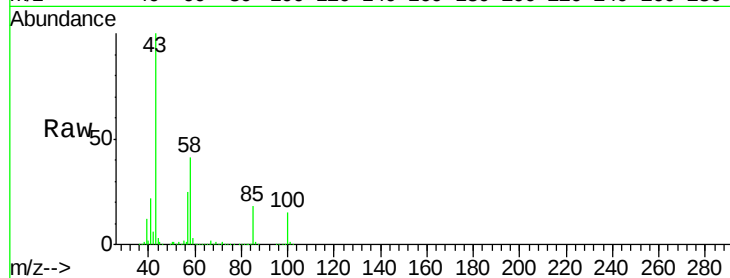




#51
 4-Methyl-2-Pentanone
 Concen: 254.759 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

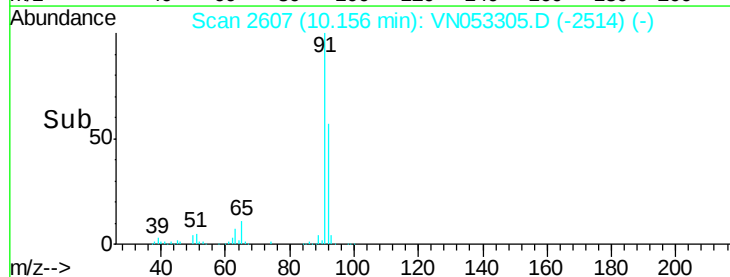
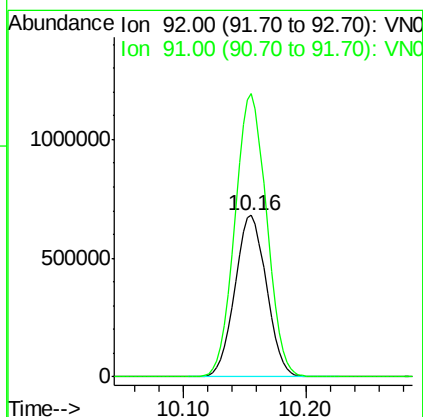
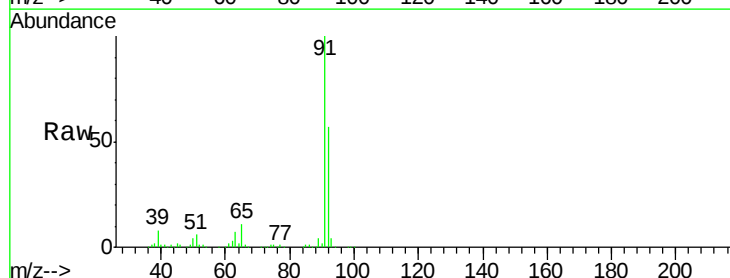
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

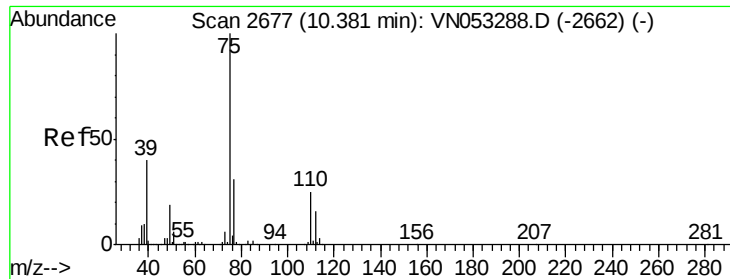
Tot Ion: 43 Resp: 2064628
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.7 49.1



#52
 Toluene
 Concen: 51.807 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion: 92 Resp: 1221028
 Ion Ratio Lower Upper
 92 100
 91 176.2 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 53.140 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

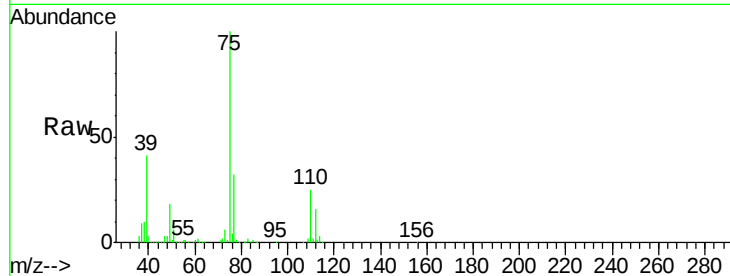
VSTDCCC050

Tot Ion: 75 Resp: 665547

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

10.38

400000

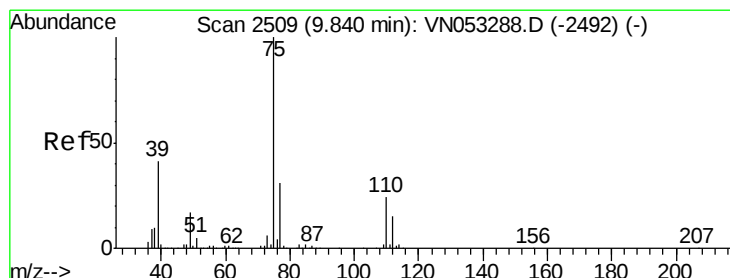
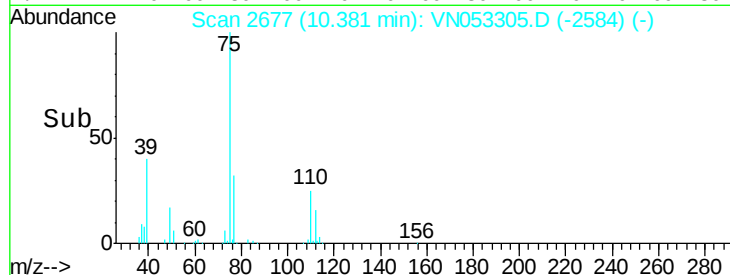
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.361 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

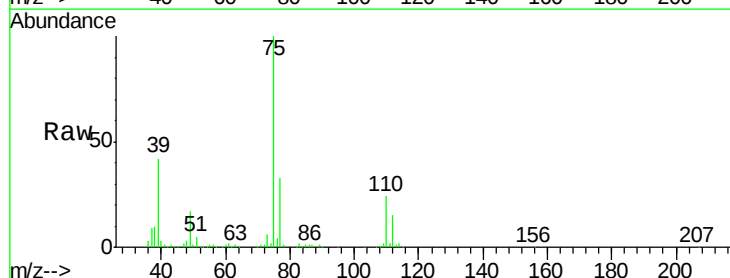
Tgt Ion: 75 Resp: 757811

Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7

39 42.3 33.1 49.7



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

9.84

500000

400000

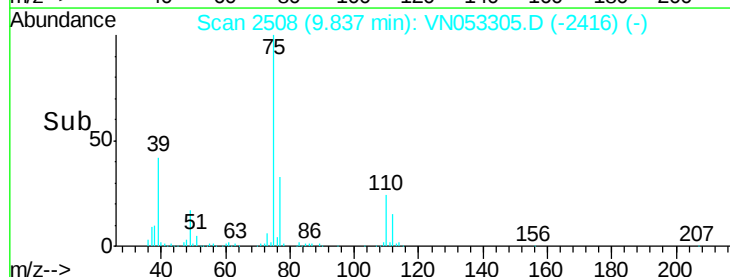
300000

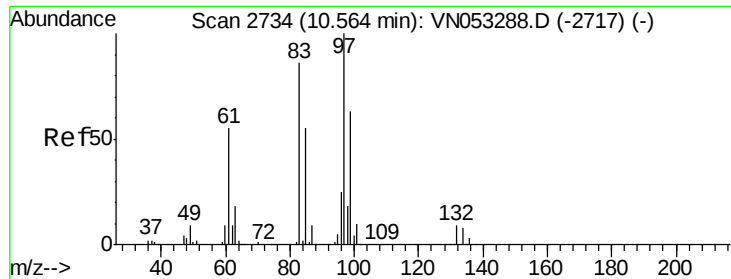
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.901 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 432449

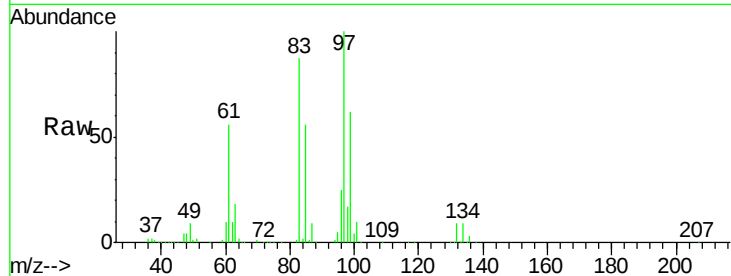
Ion Ratio Lower Upper

97 100

83 86.7 69.1 103.7

85 55.8 44.2 66.4

99 61.8 50.3 75.5

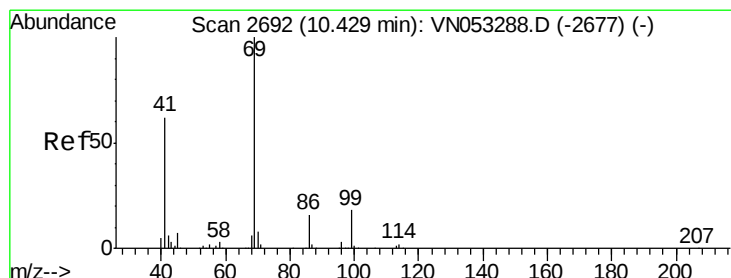
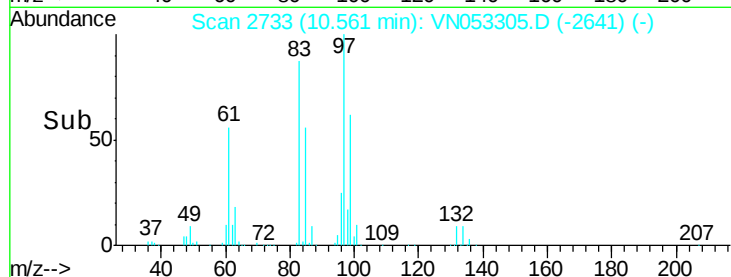
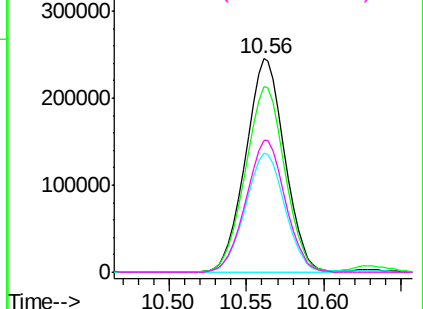


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 98.90 (98.60 to 99.60): VNC



#56

Ethyl methacrylate

Concen: 52.180 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

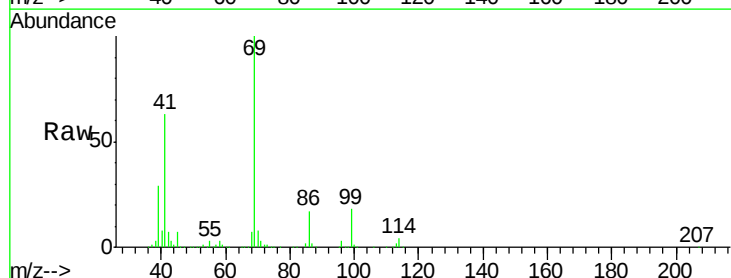
Tgt Ion: 69 Resp: 587638

Ion Ratio Lower Upper

69 100

41 62.6 49.2 73.8

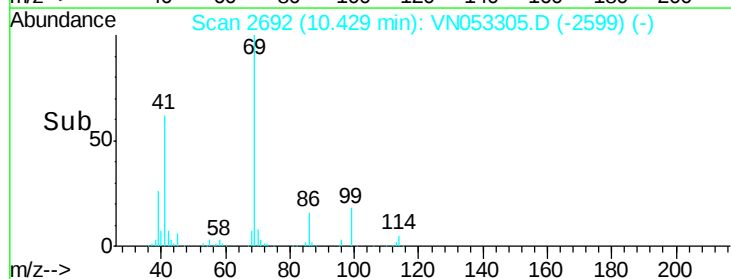
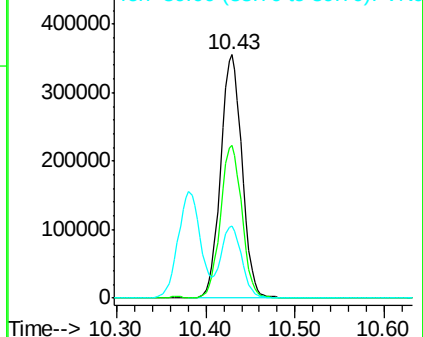
39 29.2 23.4 35.0

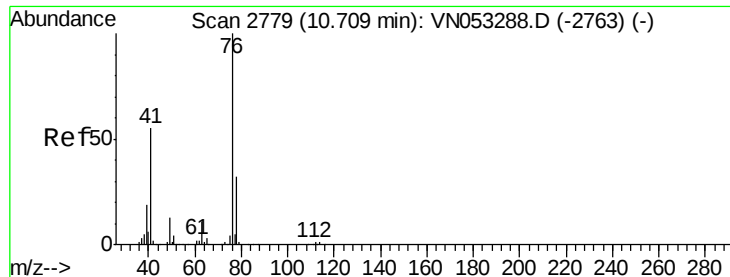


Abundance Ion 69.00 (68.70 to 69.70): VNC

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

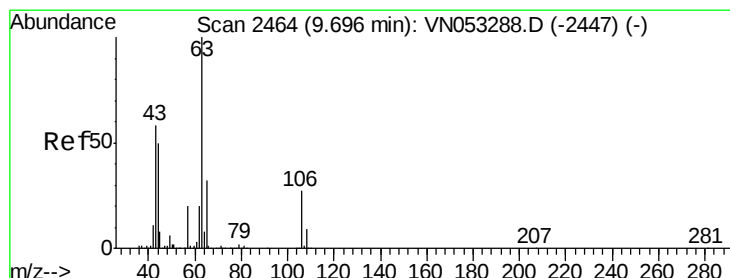
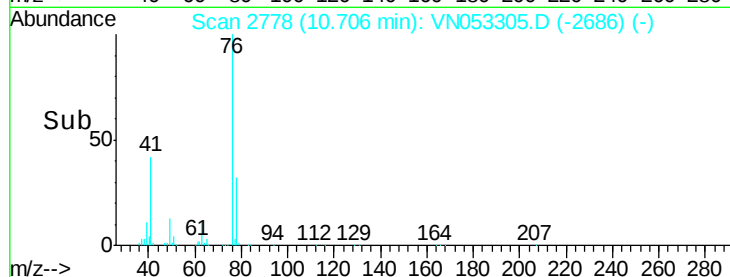
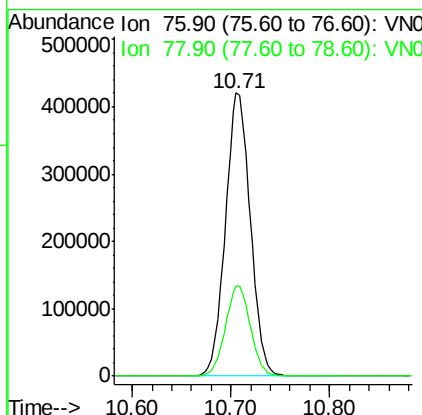
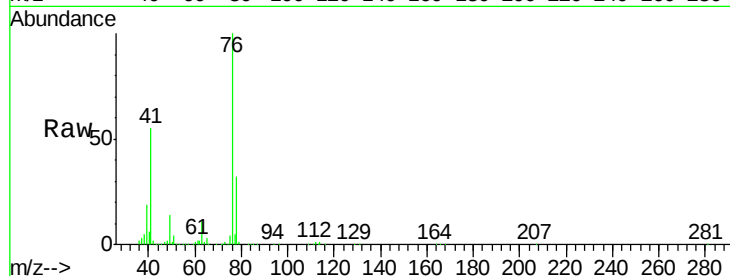




#57
 1,3-Dichloropropane
 Concen: 51.357 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

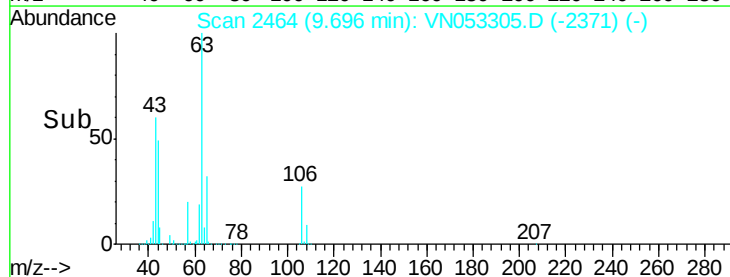
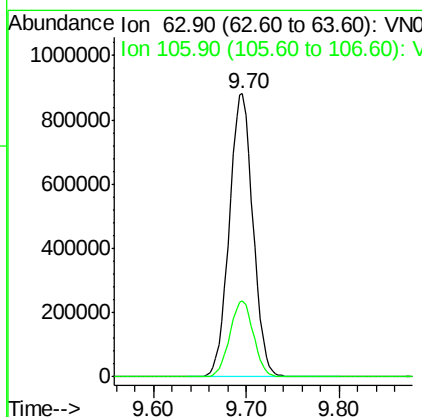
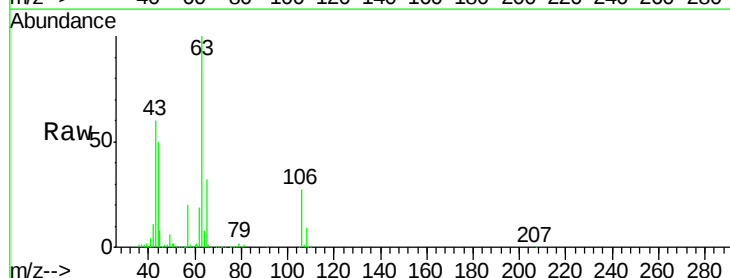
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

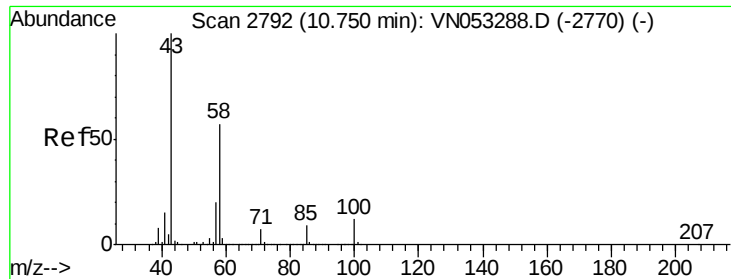
Tot Ion: 76 Resp: 744283
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.785 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion: 63 Resp: 1557314
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5

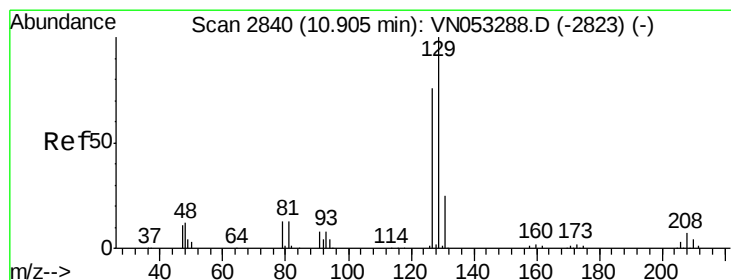
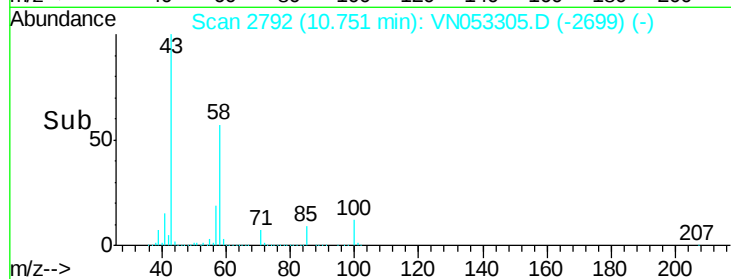
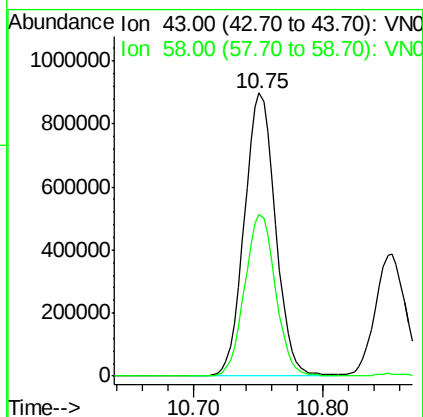
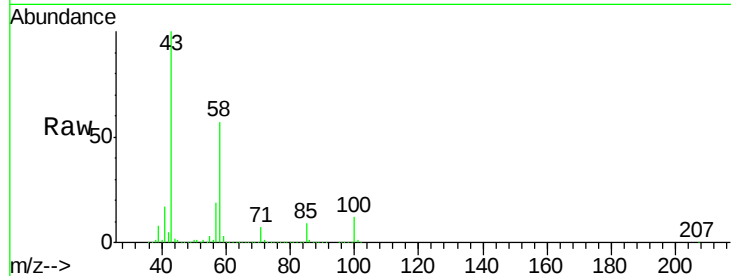




#59
2-Hexanone
Concen: 271.679 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

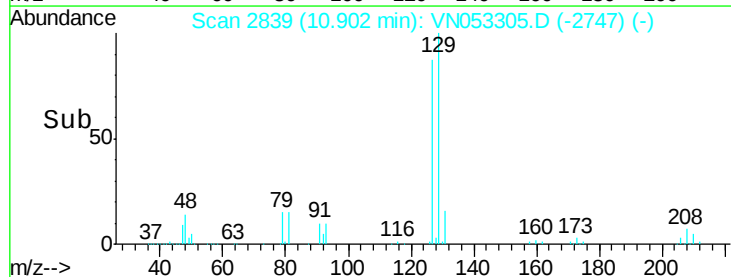
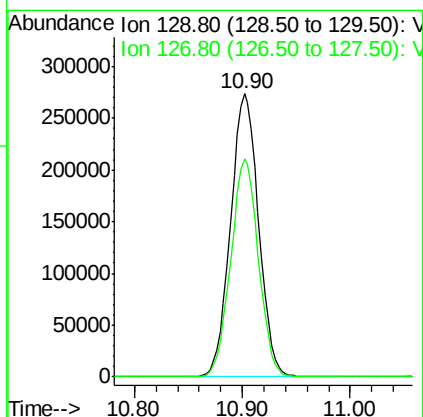
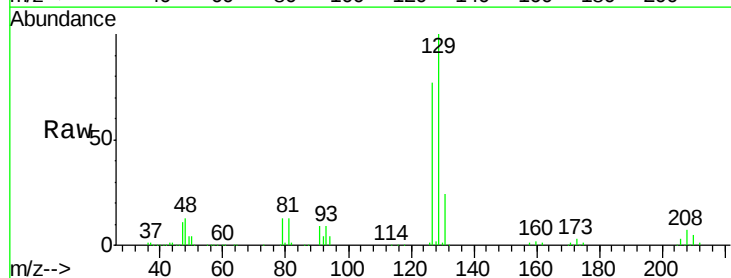
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

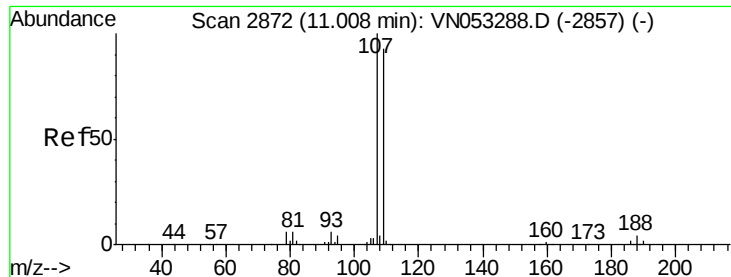
Tot Ion: 43 Resp: 1508559
Ion Ratio Lower Upper
43 100
58 56.8 28.3 85.0



#60
Dibromochloromethane
Concen: 52.985 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion: 129 Resp: 495257
Ion Ratio Lower Upper
129 100
127 76.1 38.4 115.2

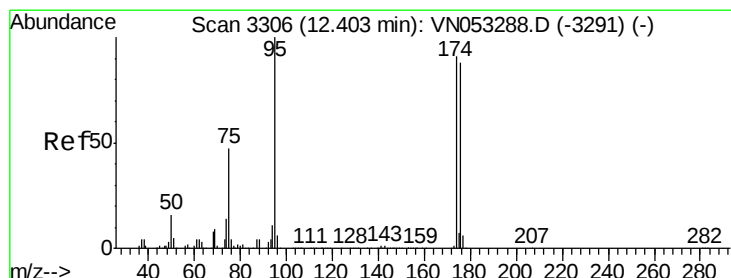
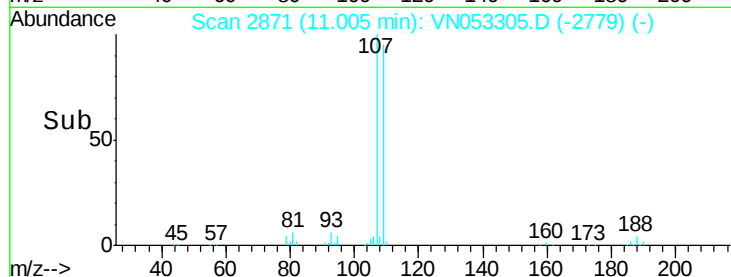
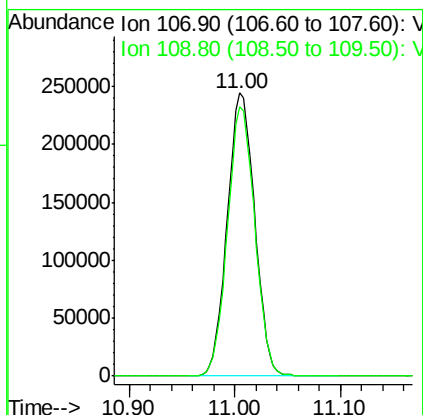
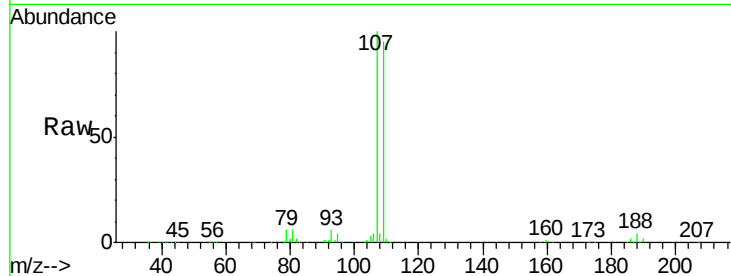




#61
 1,2-Dibromoethane
 Concen: 51.484 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

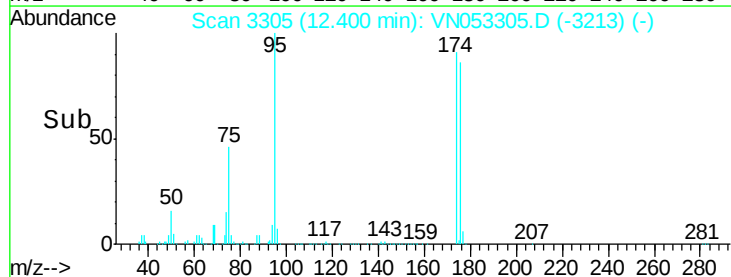
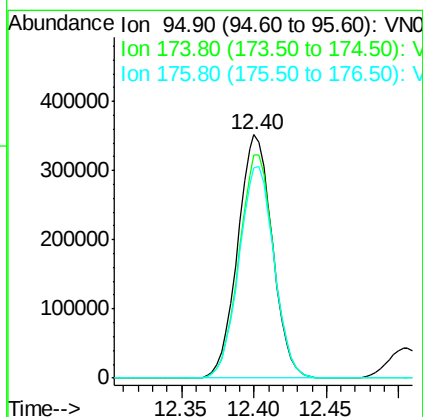
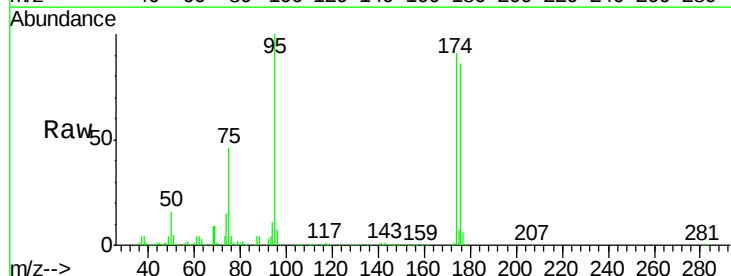
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

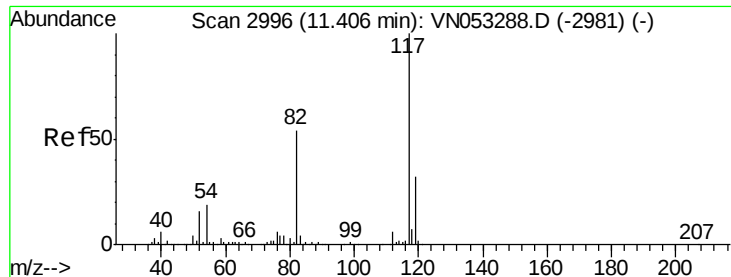
Tot Ion:107 Resp: 440289
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 51.484 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion: 95 Resp: 582304
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 180.4
 176 88.2 0.0 175.6

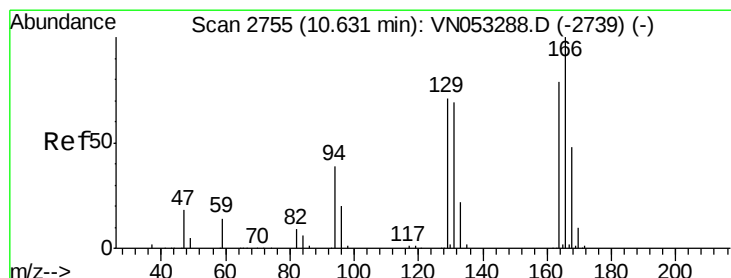
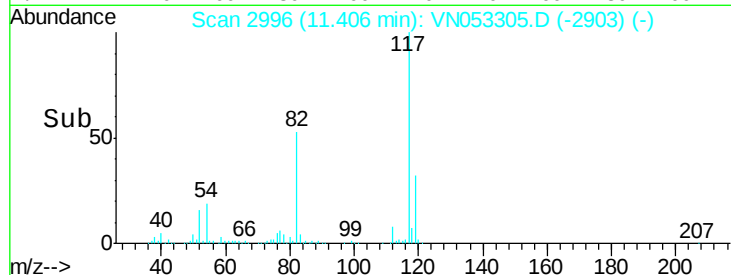
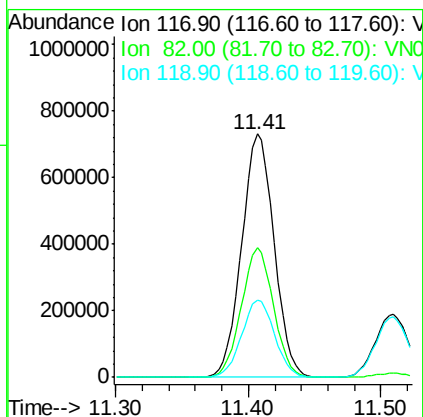
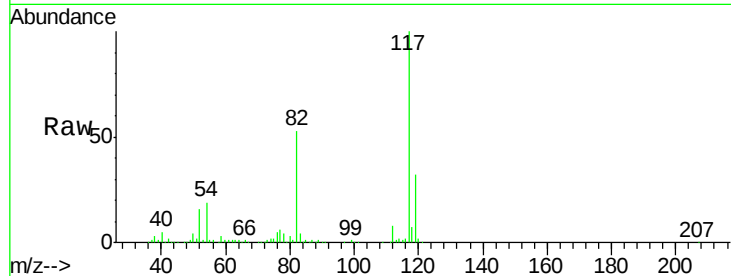




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

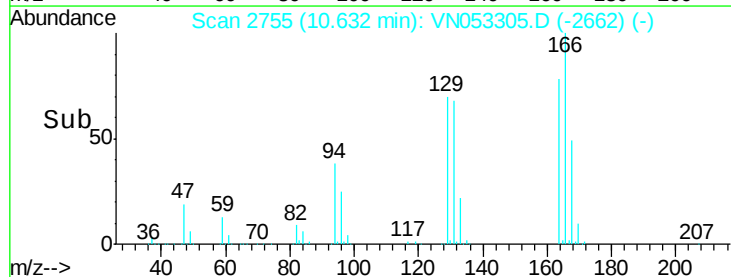
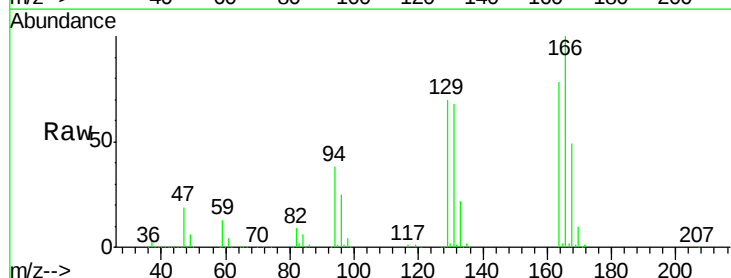
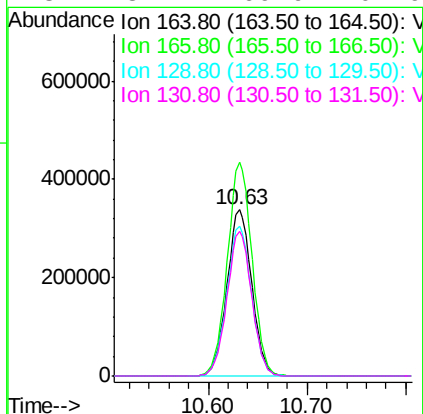
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

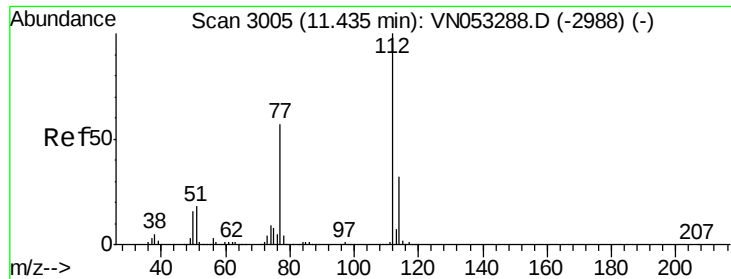
Tot Ion:117 Resp: 1241904
Ion Ratio Lower Upper
117 100
82 53.0 42.9 64.3
119 31.9 25.6 38.4



#64
Tetrachloroethene
Concen: 50.752 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion:164 Resp: 593232
Ion Ratio Lower Upper
164 100
166 128.8 101.7 152.5
129 90.4 72.1 108.1
131 87.2 69.9 104.9

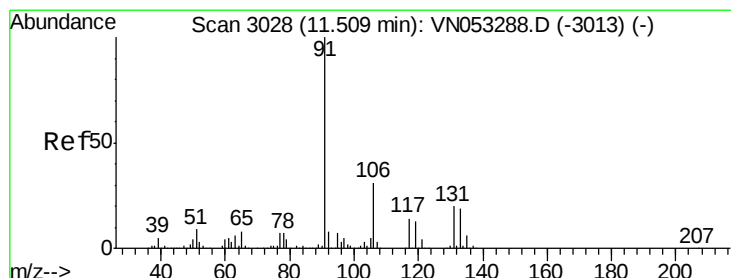
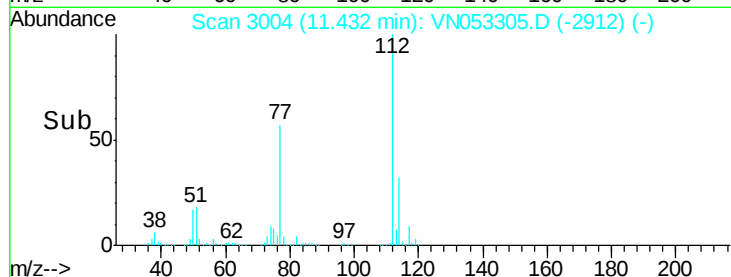
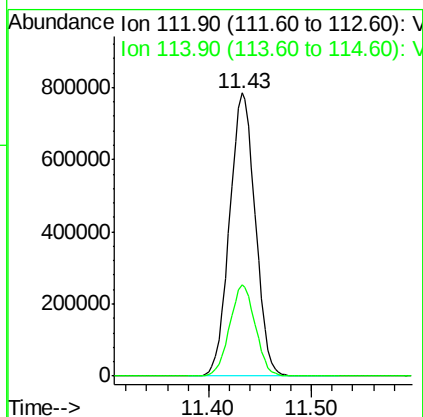
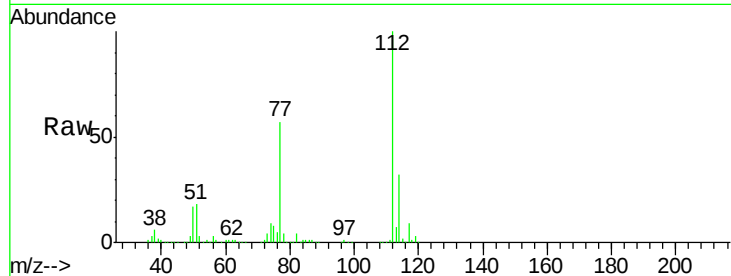




#65
Chlorobenzene
Concen: 50.542 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

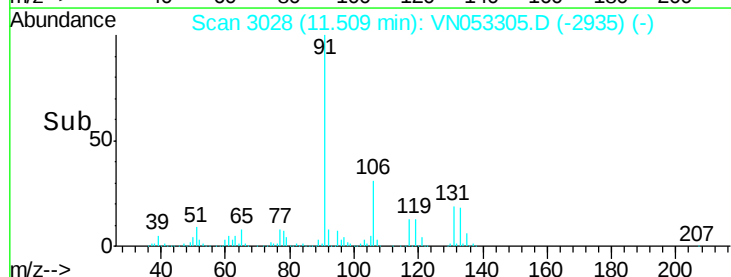
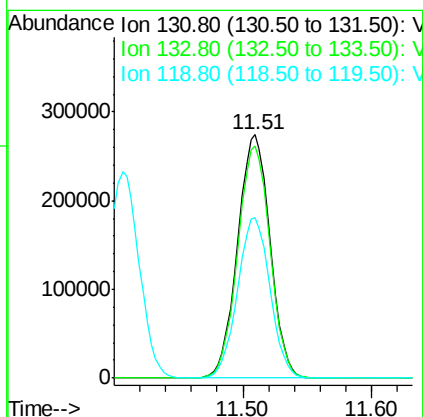
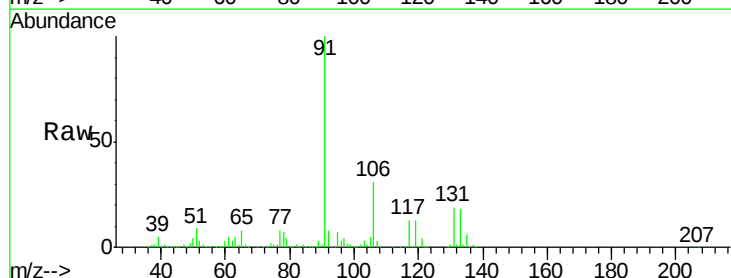
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

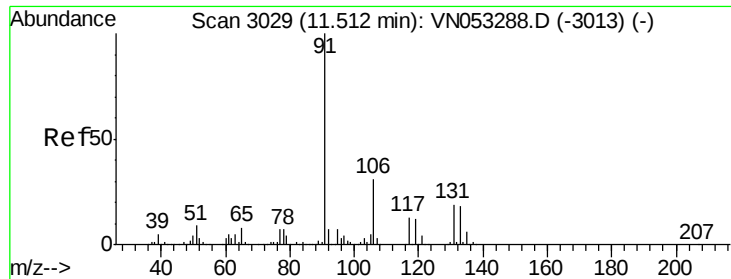
Tot Ion:112 Resp: 1363552
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.723 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion:131 Resp: 478972
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.0
119 66.2 33.3 99.9





#67

Ethyl Benzene

Concen: 52.157 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampled :

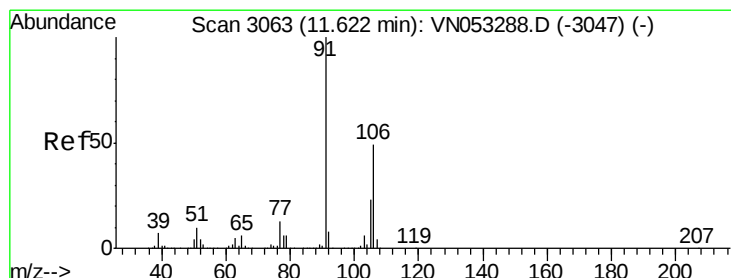
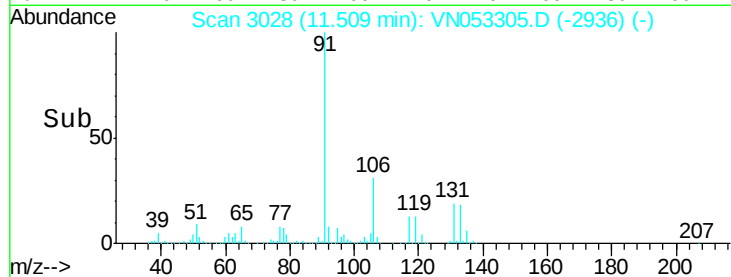
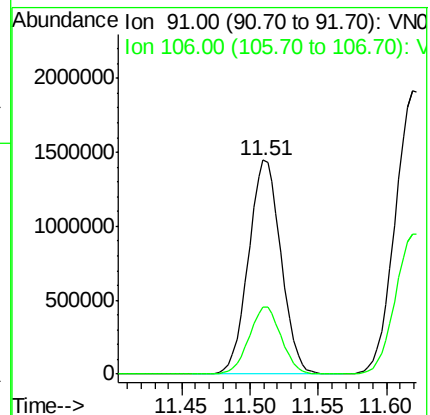
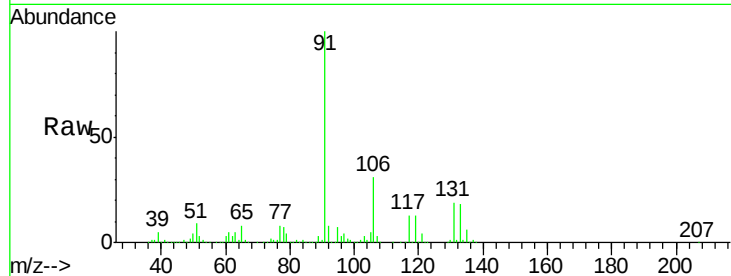
VSTDCCC050

Tot Ion: 91 Resp: 2391055

Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.4



#68

m/p-Xylenes

Concen: 105.954 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053305.D

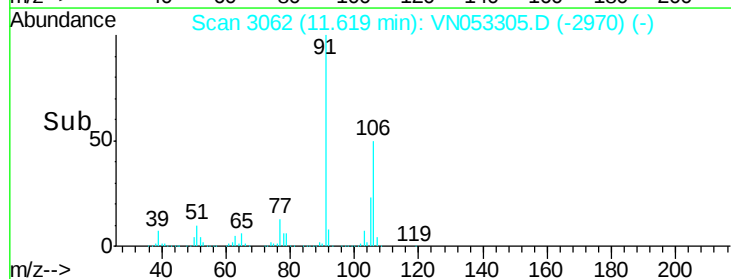
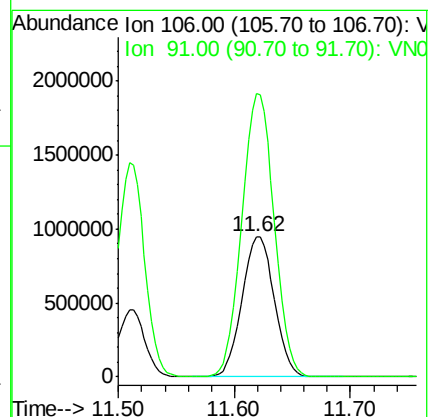
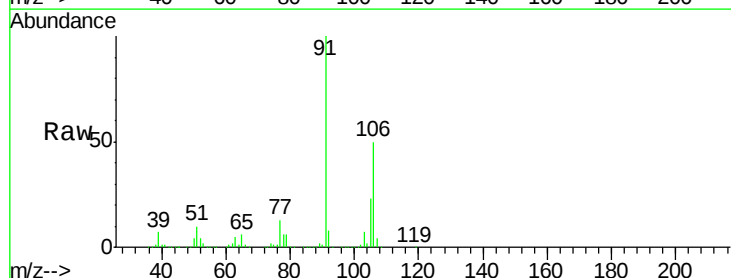
Acq: 8 Jan 2019 9:08

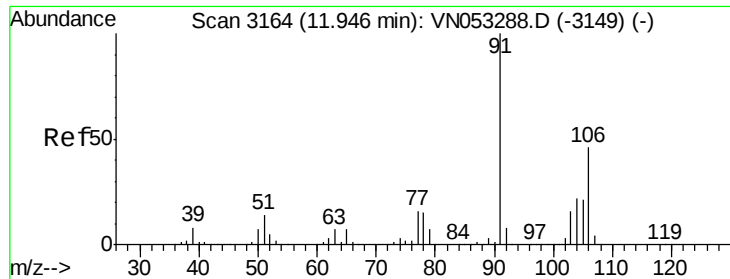
Tgt Ion: 106 Resp: 1826456

Ion Ratio Lower Upper

106 100

91 202.2 161.4 242.2

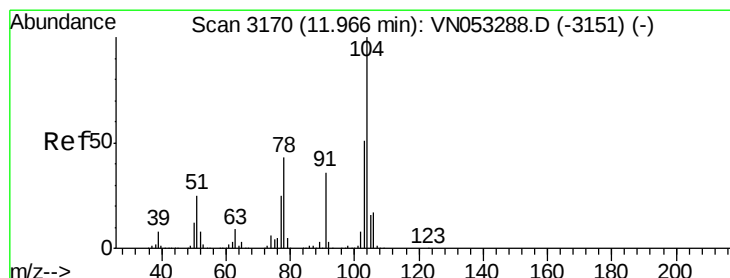
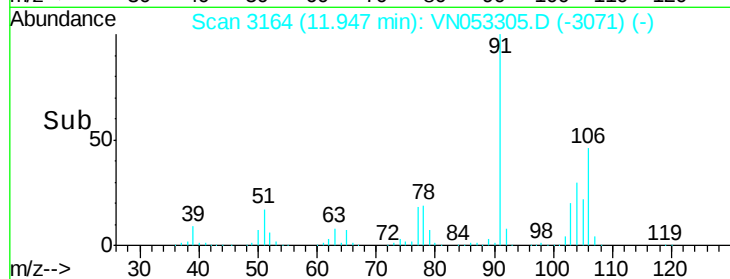
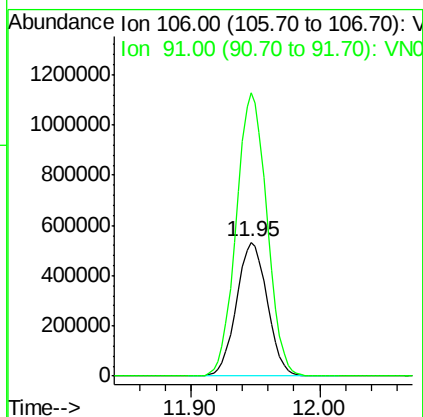
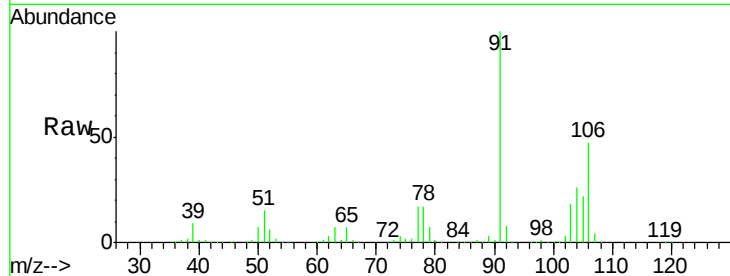




#69
o-Xylene
Concen: 52.262 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

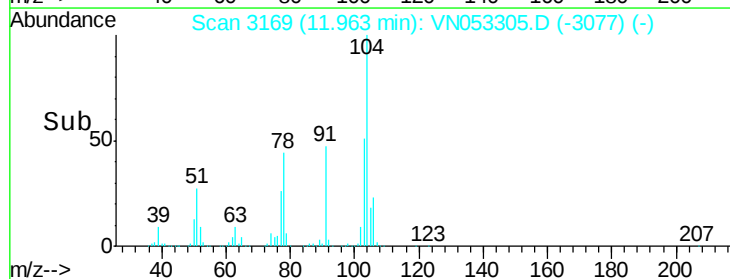
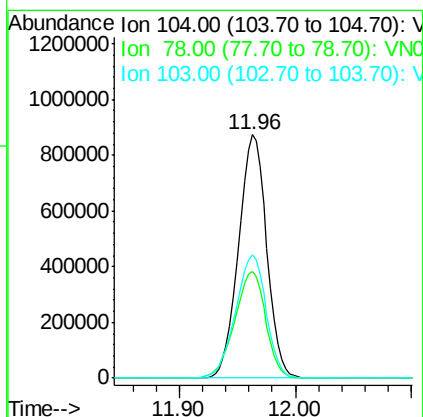
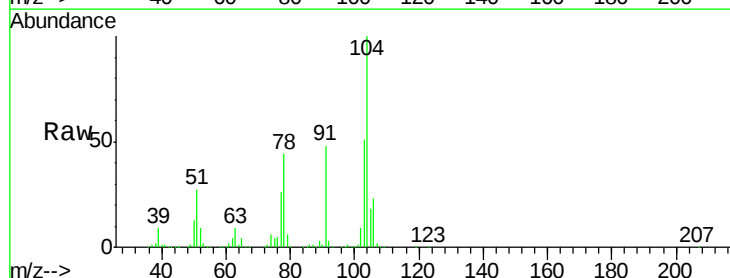
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

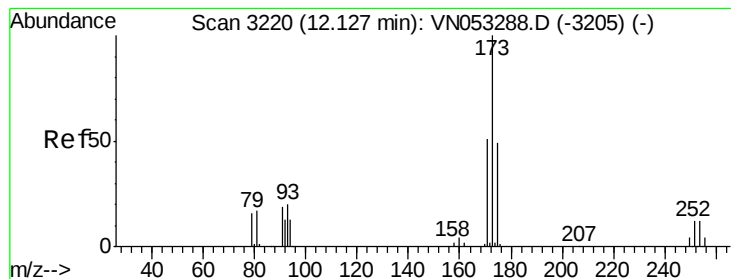
Tot Ion:106 Resp: 881989
Ion Ratio Lower Upper
106 100
91 211.4 106.8 320.4



#70
Styrene
Concen: 53.356 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053305.D
Acq: 8 Jan 2019 9:08

Tgt Ion:104 Resp: 1465489
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 55.2 44.5 66.7





#71

Bromoform

Concen: 52.837 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

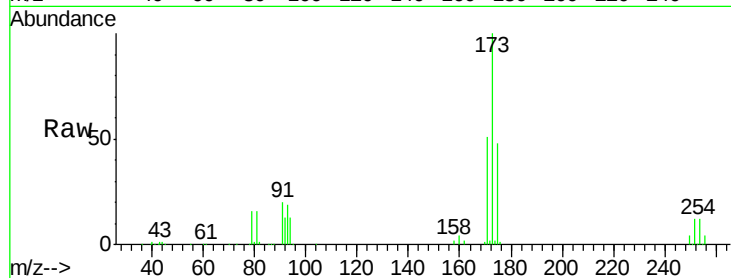
Tot Ion:173 Resp: 352421

Ion Ratio Lower Upper

173 100

175 49.3 24.3 72.8

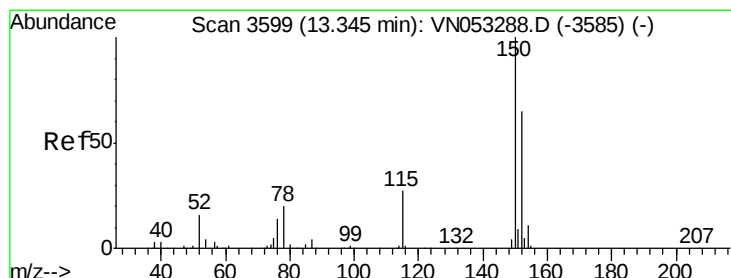
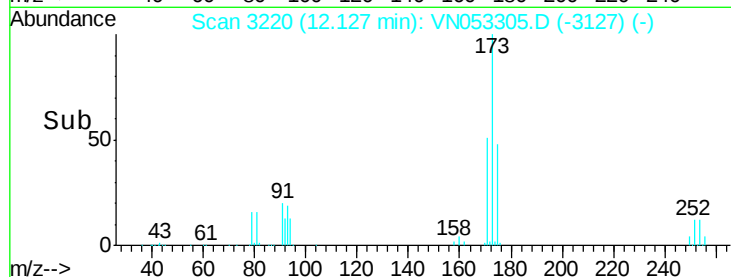
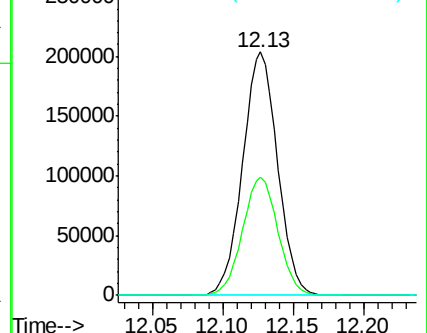
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

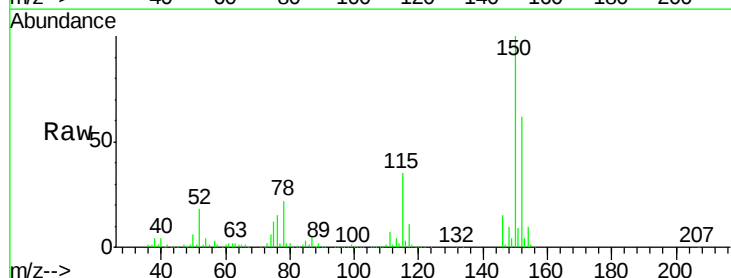
Tgt Ion:152 Resp: 598929

Ion Ratio Lower Upper

152 100

115 56.2 28.0 84.0

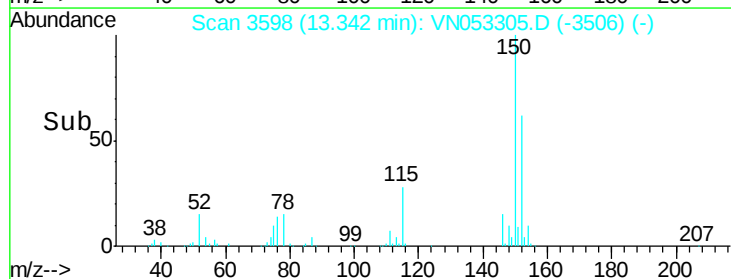
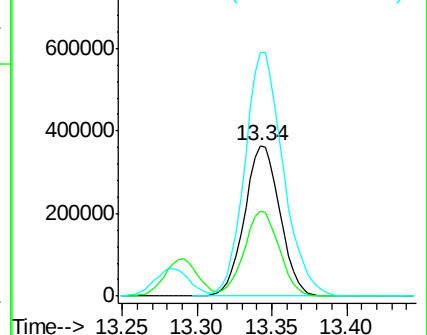
150 176.0 0.0 346.6

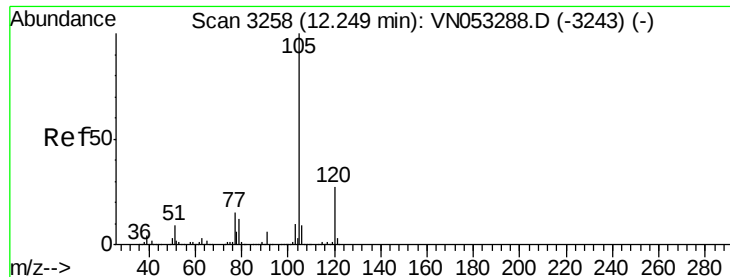


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.406 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

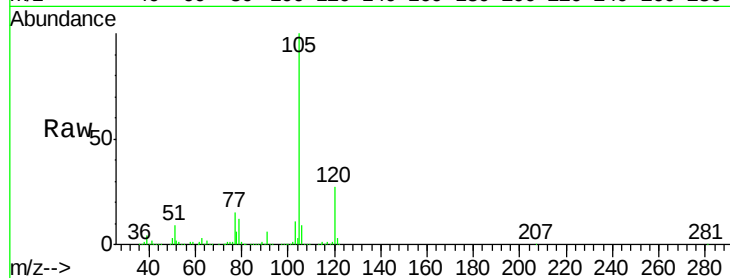
VSTDCCC050

Tot Ion:105 Resp: 2336886

Ion Ratio Lower Upper

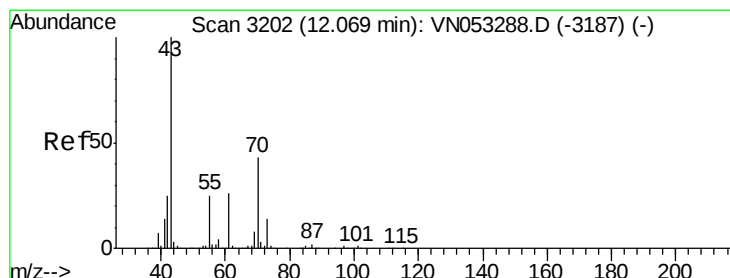
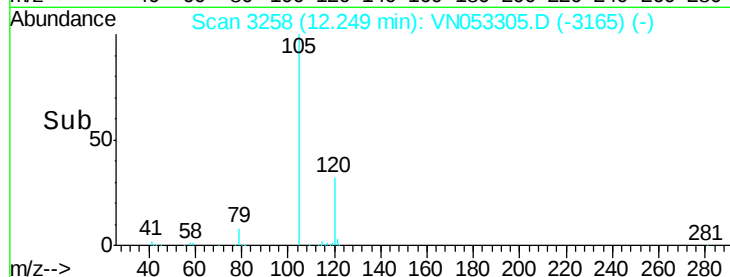
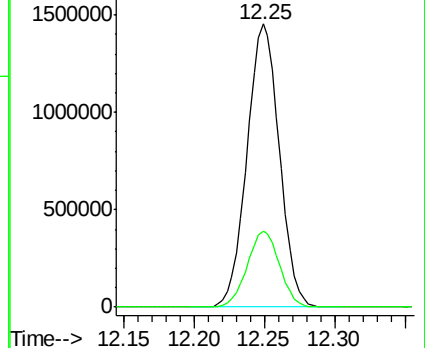
105 100

120 26.8 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: 50.283 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Tgt Ion: 43 Resp: 669543

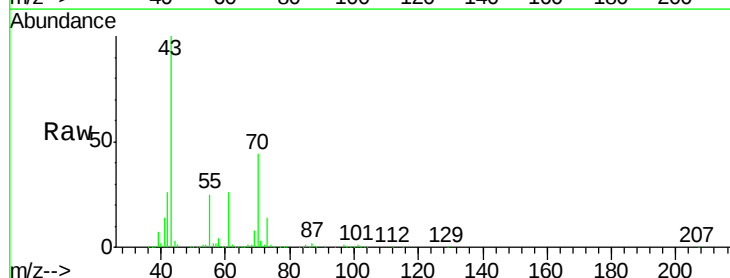
Ion Ratio Lower Upper

43 100

70 44.2 35.0 52.6

55 25.3 20.0 30.0

61 25.8 20.3 30.5

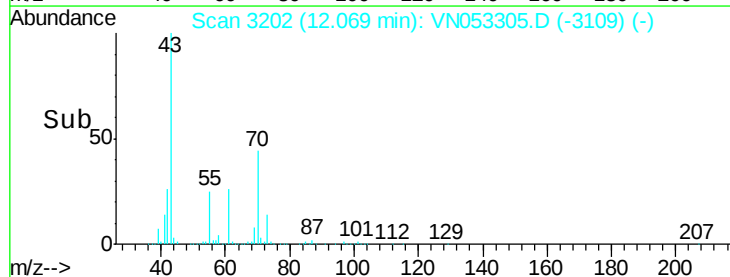
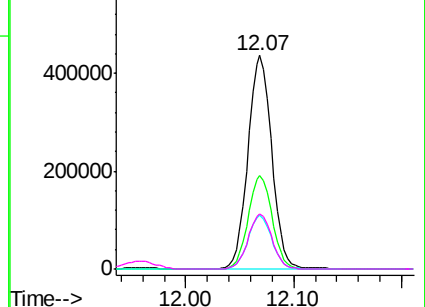


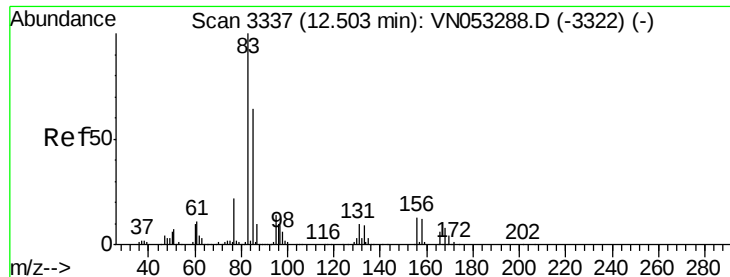
Abundance Ion 43.00 (42.70 to 43.70): V

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: 49.177 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

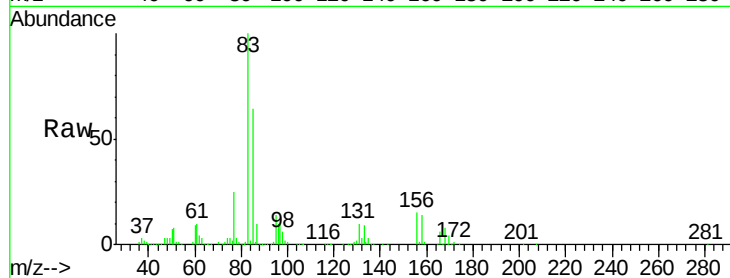
Tot Ion: 83 Resp: 504444

Ion Ratio Lower Upper

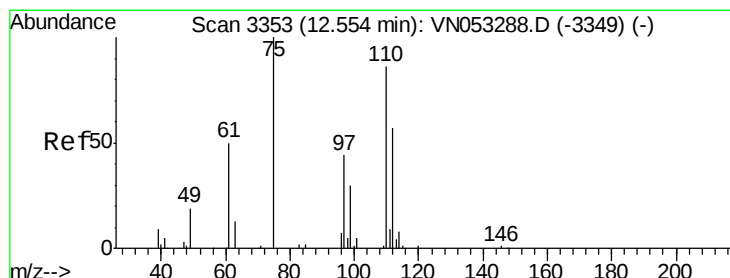
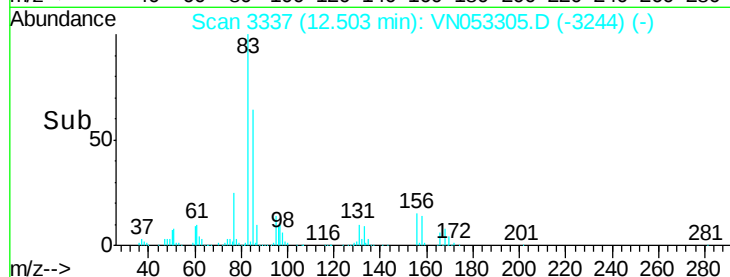
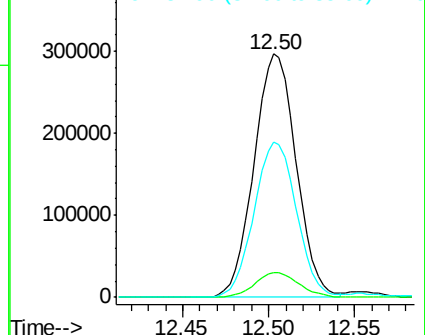
83 100

131 10.6 5.3 15.9

85 64.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 79.197 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053305.D

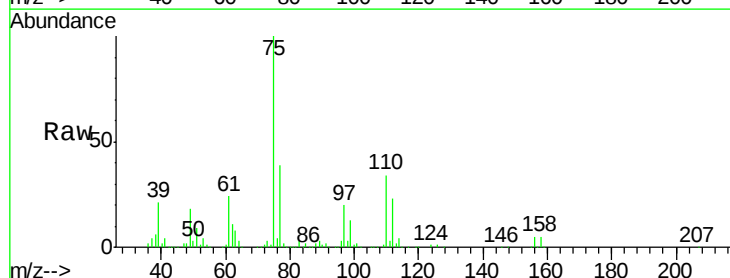
Acq: 8 Jan 2019 9:08

Tgt Ion: 75 Resp: 691843

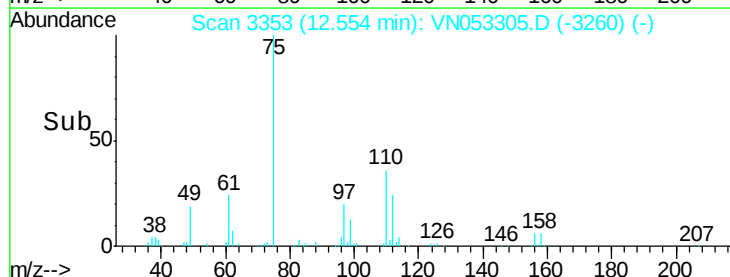
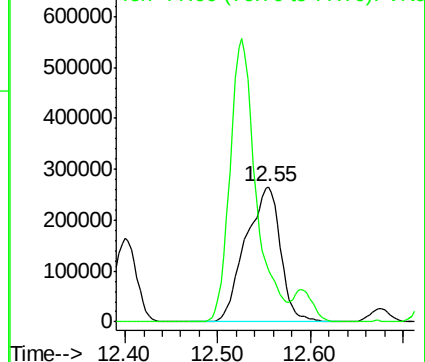
Ion Ratio Lower Upper

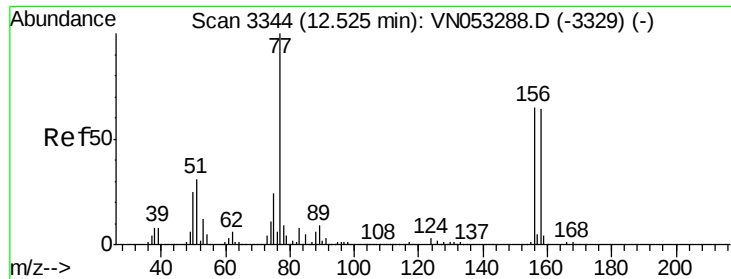
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 51.114 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

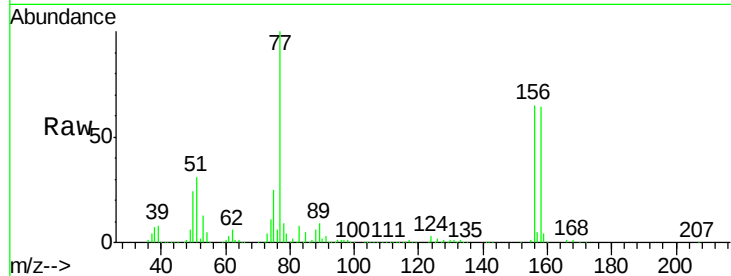
Tot Ion:156 Resp: 608332

Ion Ratio Lower Upper

156 100

77 177.5 89.3 268.1

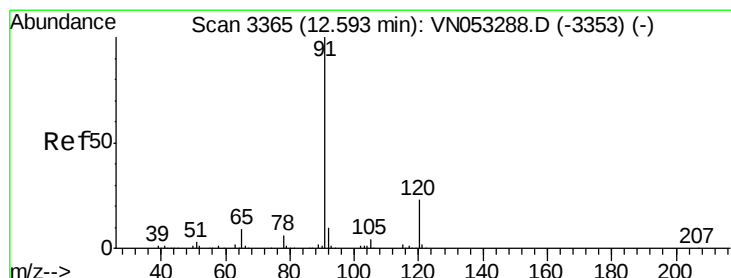
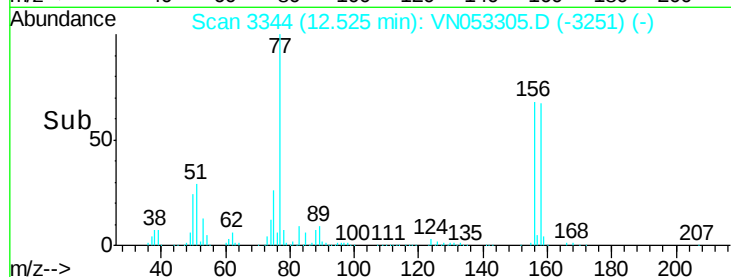
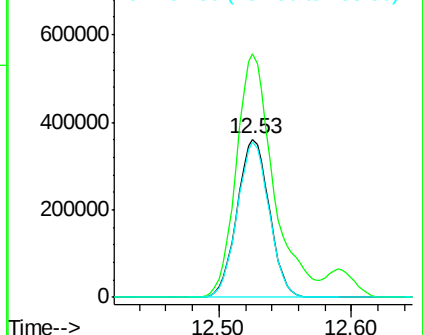
158 97.4 48.9 146.8



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: 54.054 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053305.D

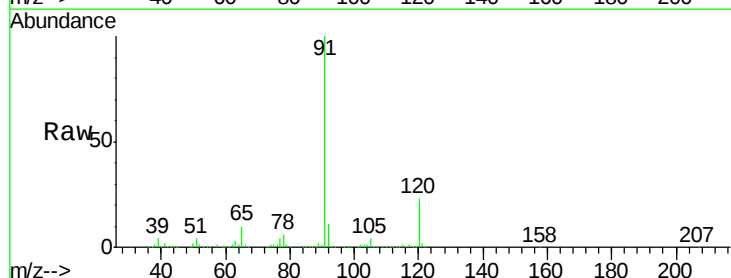
Acq: 8 Jan 2019 9:08

Tgt Ion: 91 Resp: 2726502

Ion Ratio Lower Upper

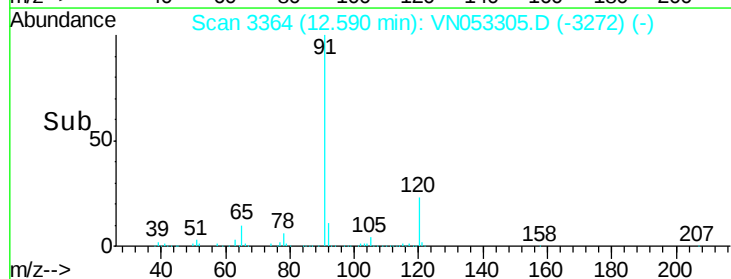
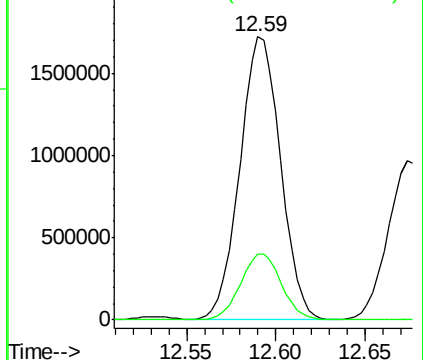
91 100

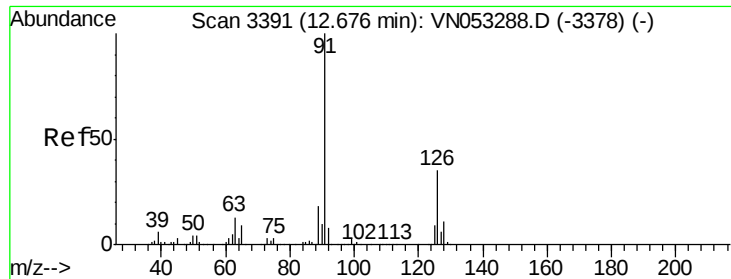
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.746 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

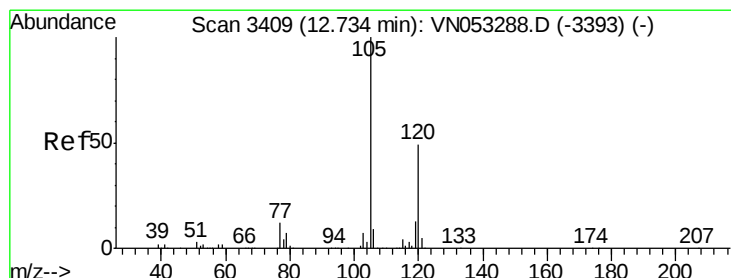
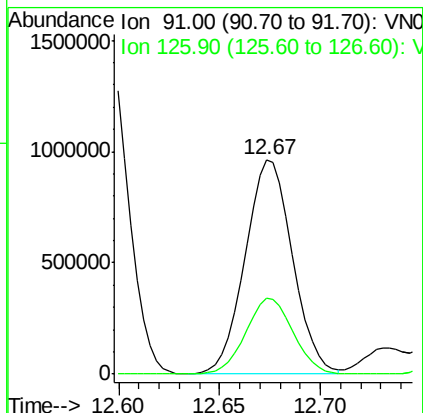
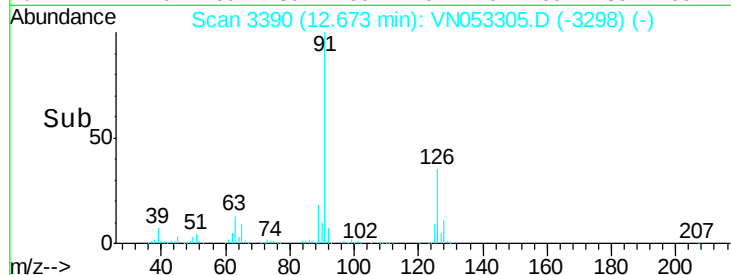
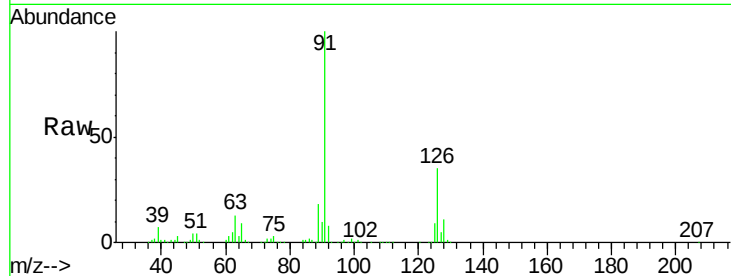
VSTDCCC050

Tot Ion: 91 Resp: 1579306

Ion Ratio Lower Upper

91 100

126 35.6 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 53.051 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053305.D

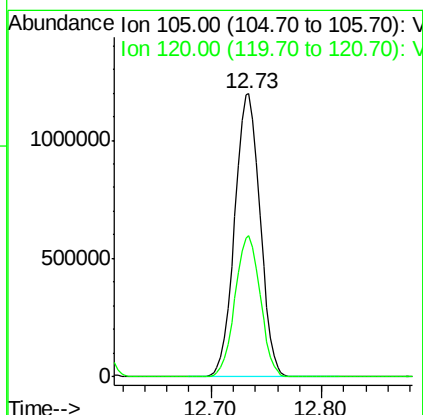
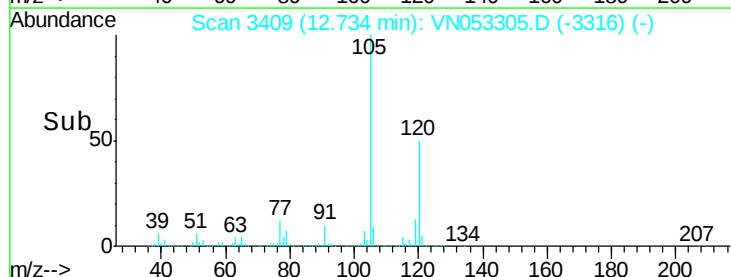
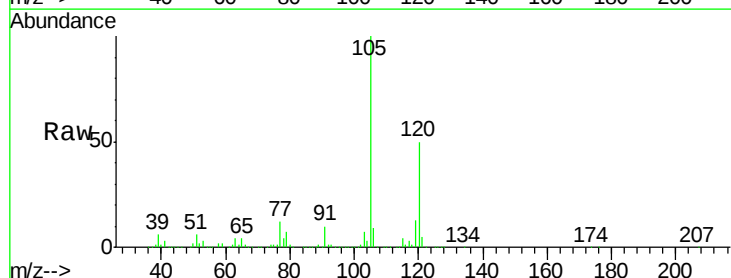
Acq: 8 Jan 2019 9:08

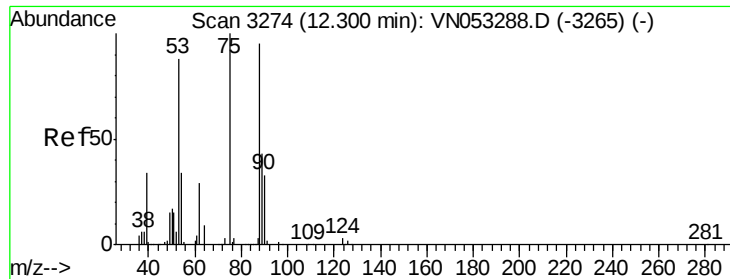
Tgt Ion:105 Resp: 1905520

Ion Ratio Lower Upper

105 100

120 49.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 54.492 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

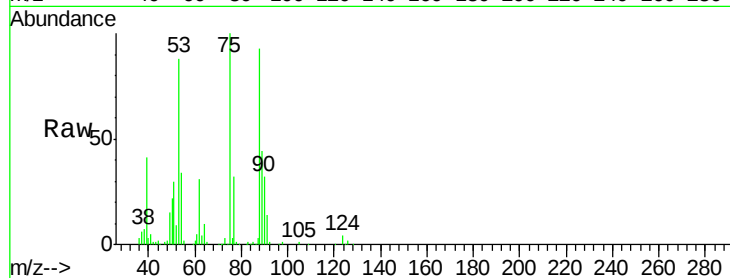
Tot Ion: 75 Resp: 161794

Ion Ratio Lower Upper

75 100

53 90.3 70.5 105.7

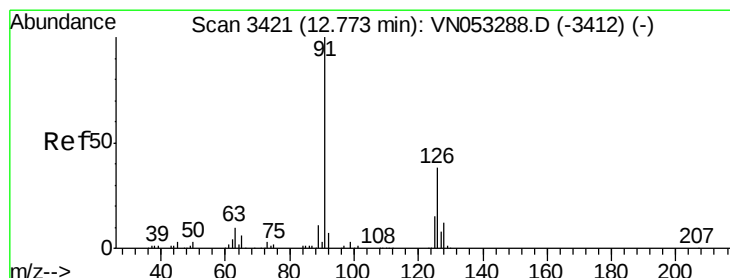
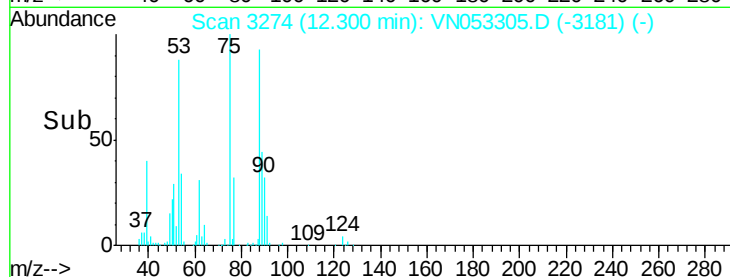
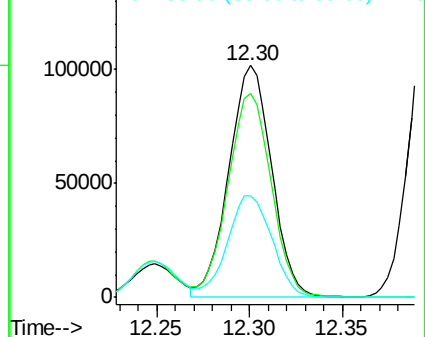
89 45.9 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 52.042 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053305.D

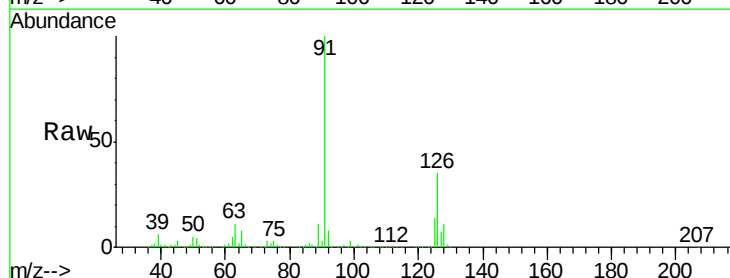
Acq: 8 Jan 2019 9:08

Tgt Ion: 91 Resp: 1628701

Ion Ratio Lower Upper

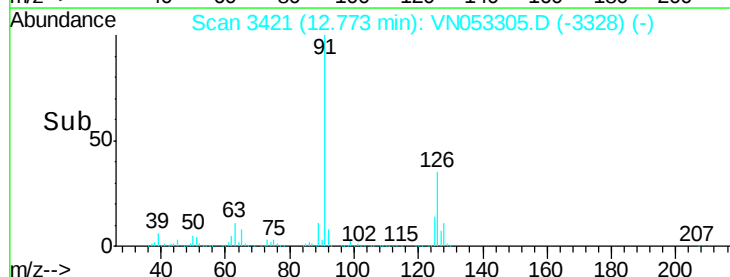
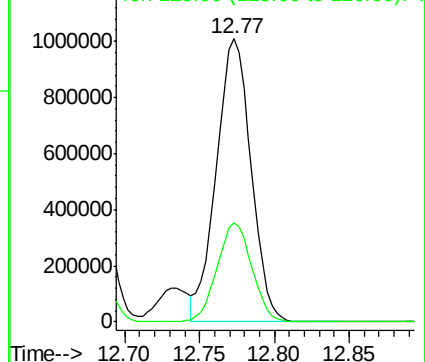
91 100

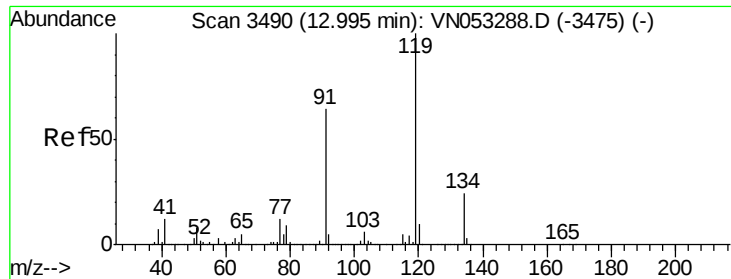
126 34.9 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

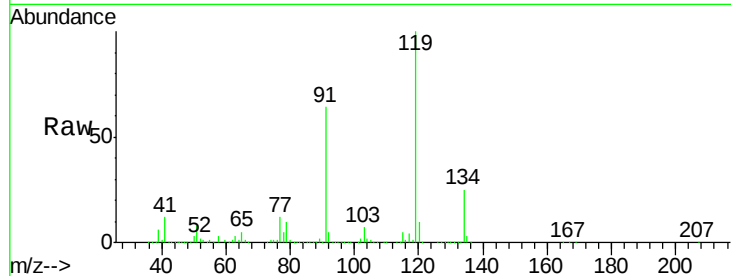




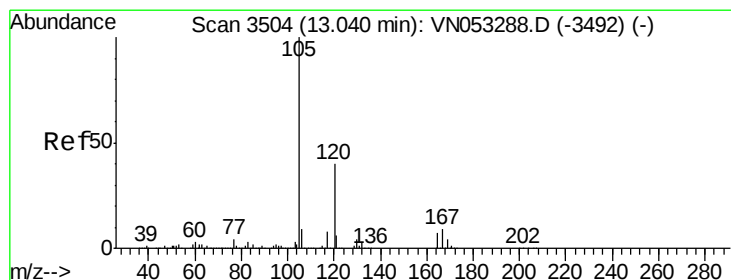
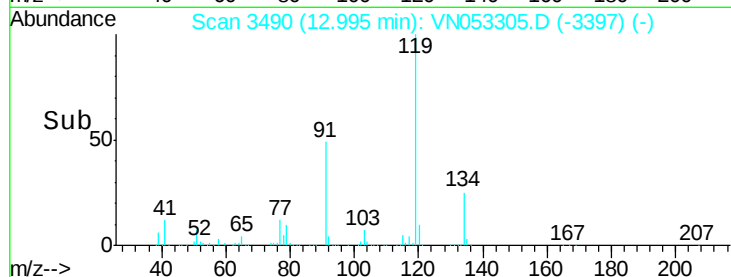
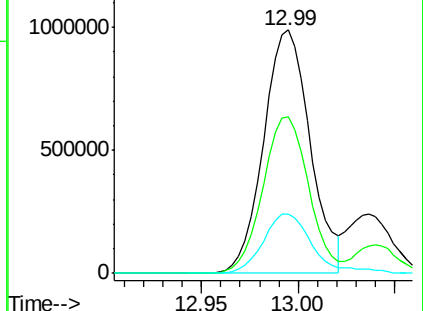
#83
 tert-Butylbenzene
 Concen: 52.646 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1659088
 Ion Ratio Lower Upper
 119 100
 91 63.5 31.6 95.0
 134 25.8 12.9 38.6

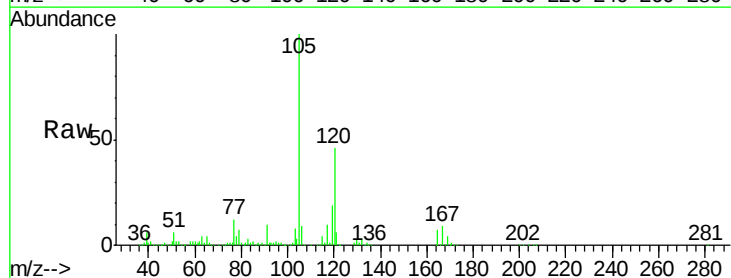


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

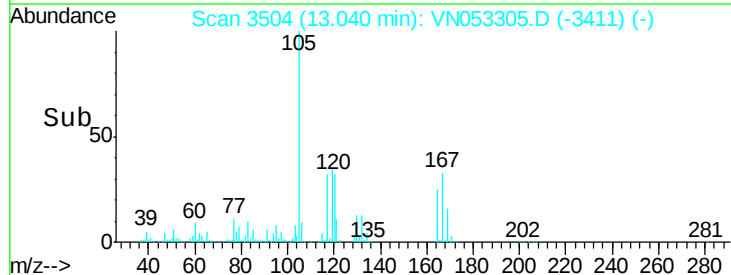
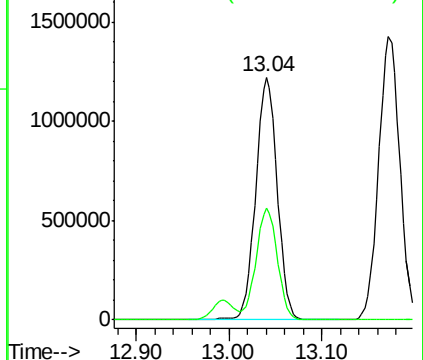


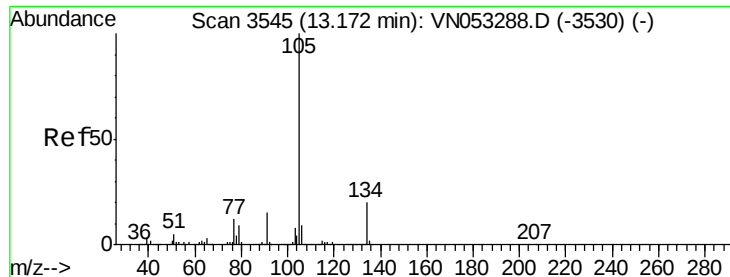
#84
 1,2,4-Trimethylbenzene
 Concen: 53.346 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion:105 Resp: 1952081
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.171 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

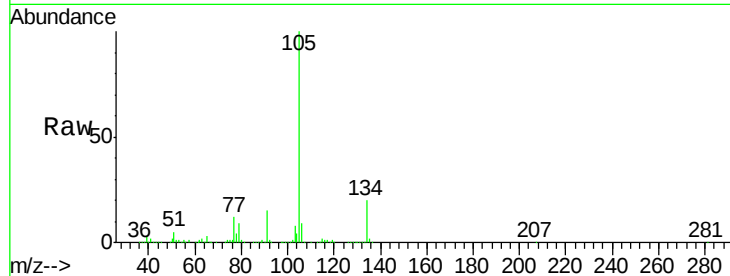
VSTDCCC050

Tot Ion:105 Resp: 2251386

Ion Ratio Lower Upper

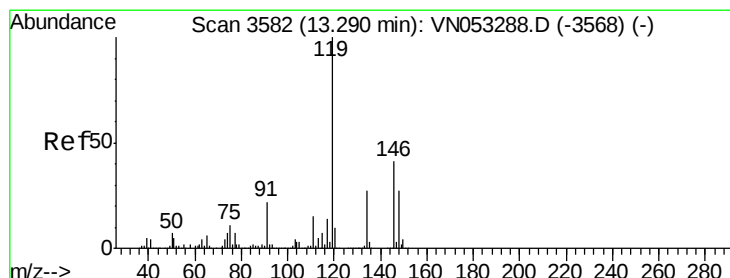
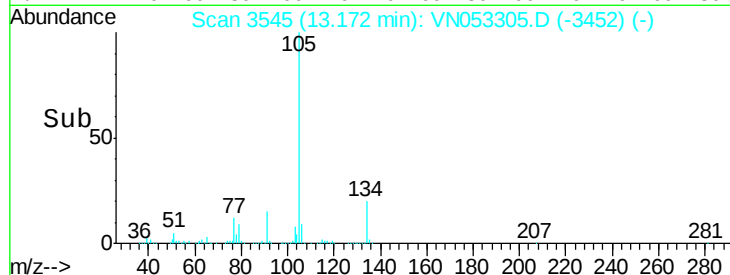
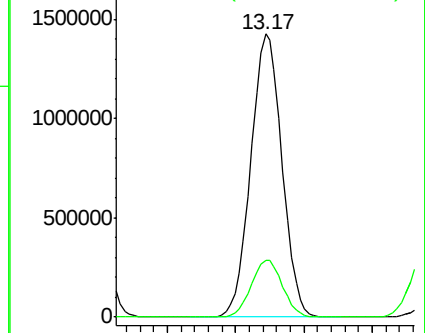
105 100

134 20.2 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: 54.747 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

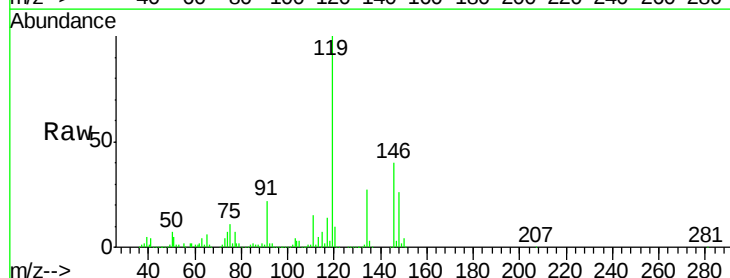
Tgt Ion:119 Resp: 1969999

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

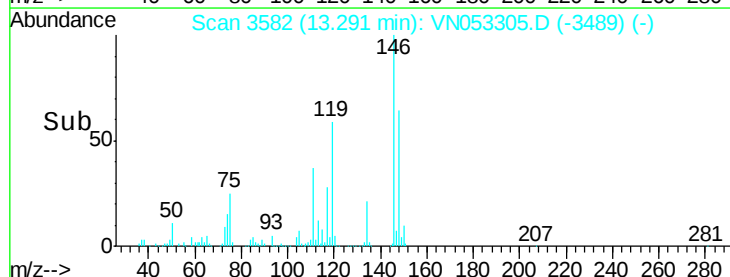
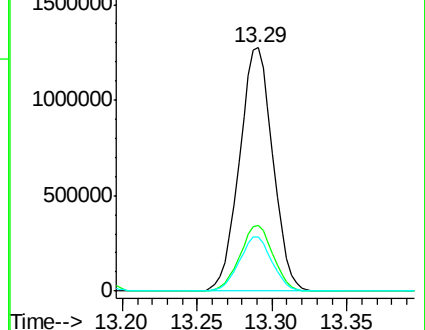
91 22.0 11.1 33.1

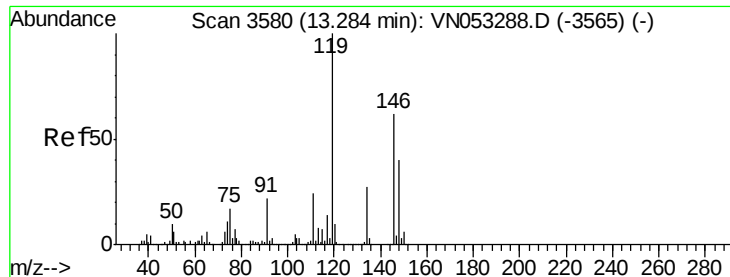


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.455 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

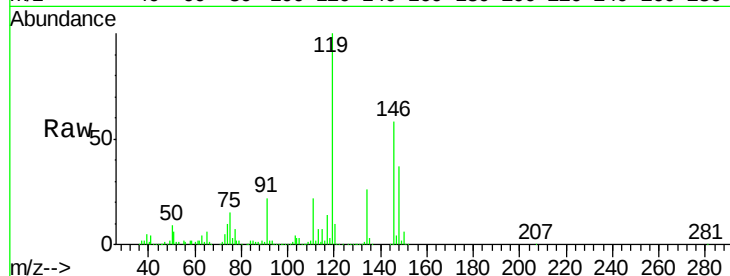
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1078407

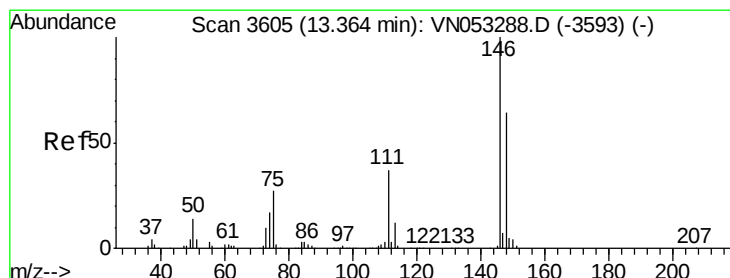
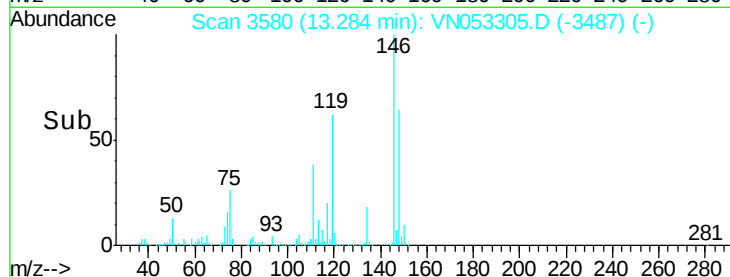
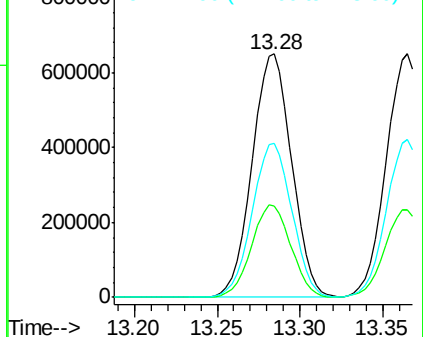
Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.5
148	63.4	32.0	96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.144 ug/l

RT: 13.36 min Scan# 3605

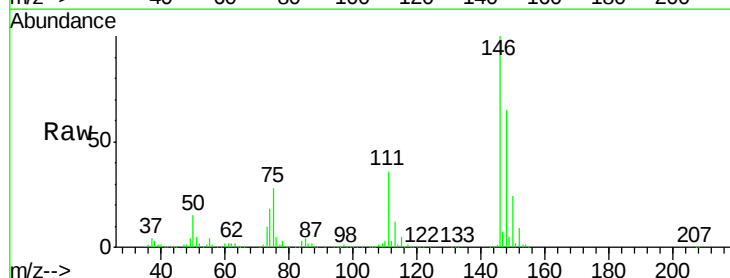
Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Tgt Ion:146 Resp: 1063295

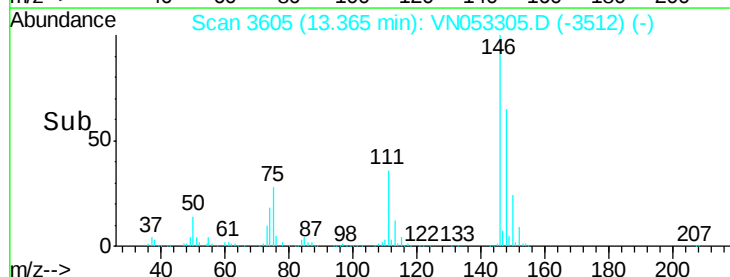
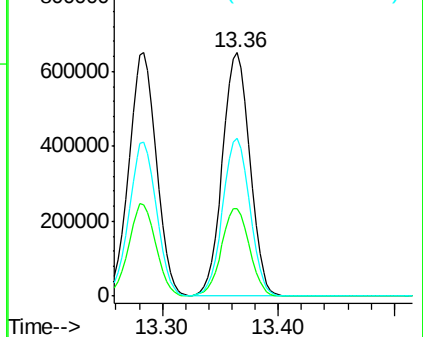
Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.6	55.8
148	64.2	32.0	96.0

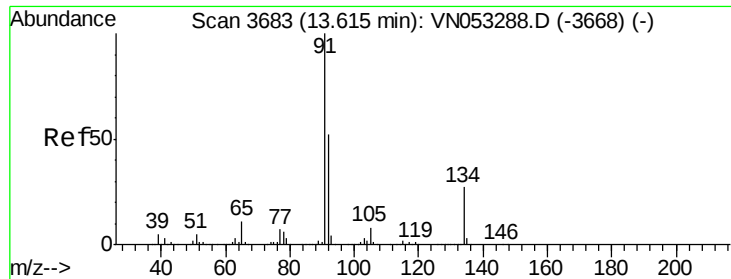


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 55.010 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

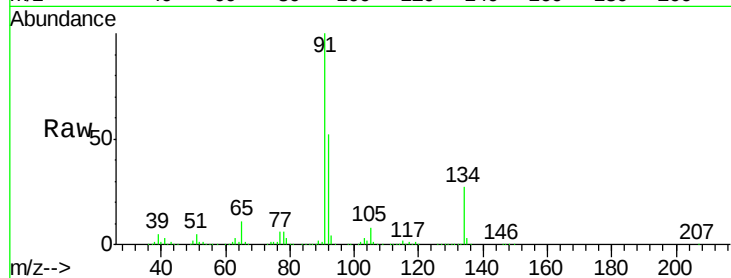
Tot Ion: 91 Resp: 1659580

Ion Ratio Lower Upper

91 100

92 52.5 26.3 78.8

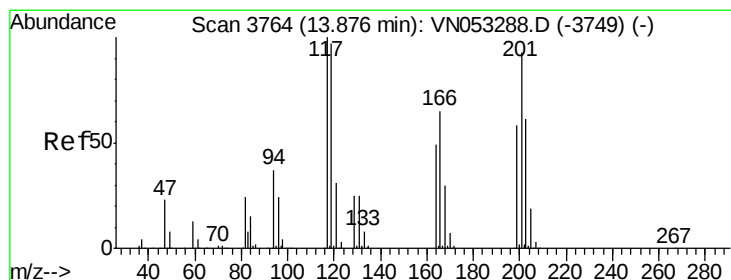
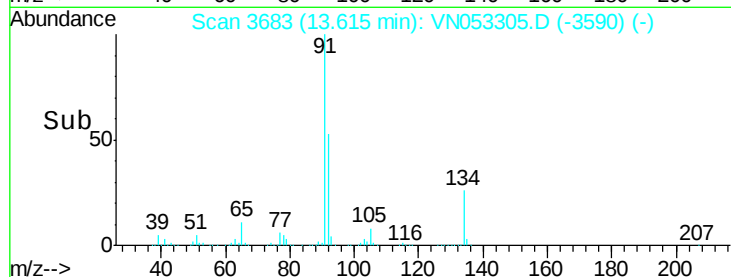
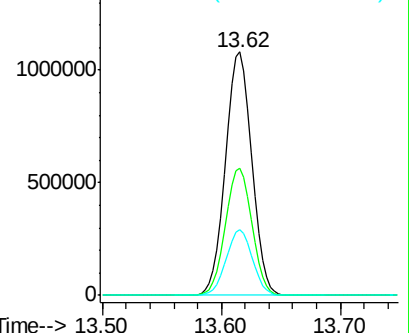
134 26.7 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053288.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053288.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053288.D (-3668) (-)



#90

Hexachloroethane

Concen: 54.971 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053305.D

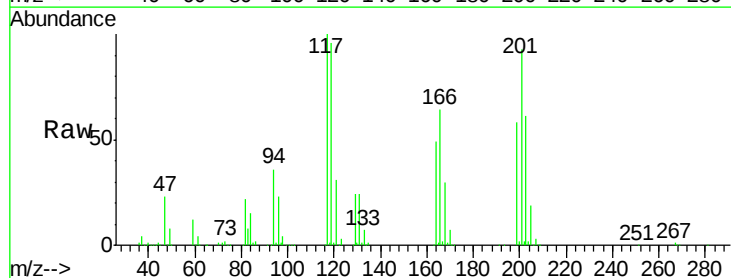
Acq: 8 Jan 2019 9:08

Tgt Ion: 117 Resp: 317047

Ion Ratio Lower Upper

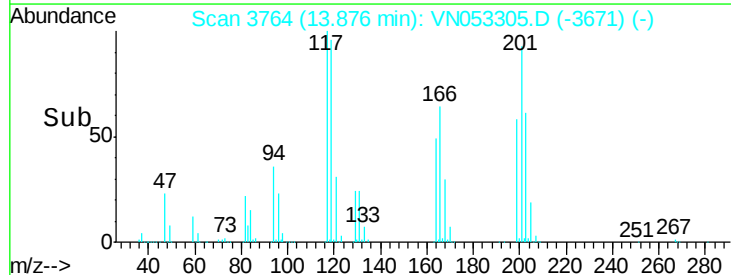
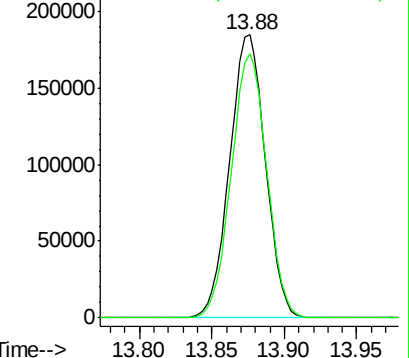
117 100

201 92.6 46.1 138.3



Abundance Ion 116.80 (116.50 to 117.50): VN053288.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053288.D (-3749) (-)

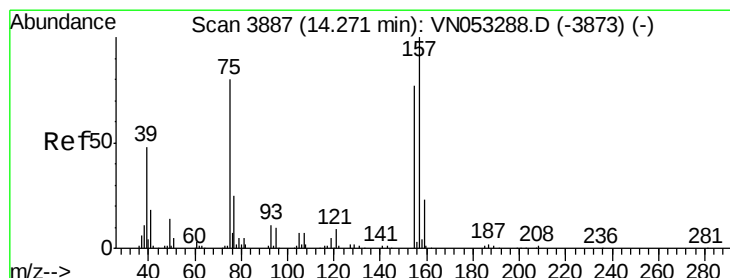
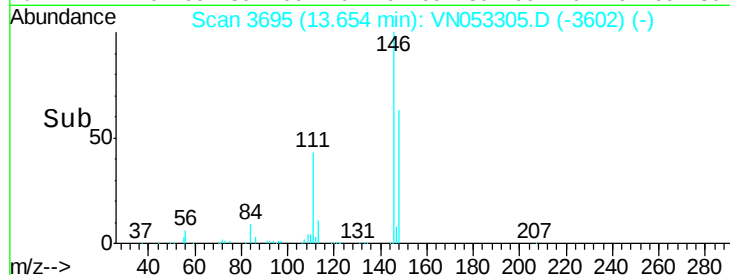
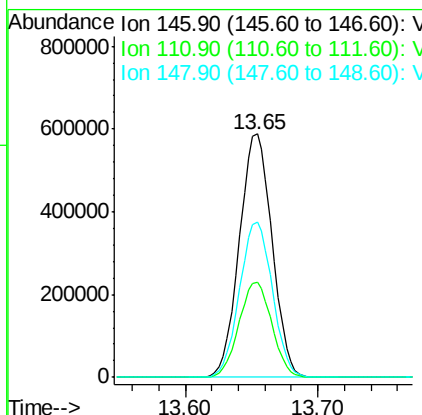
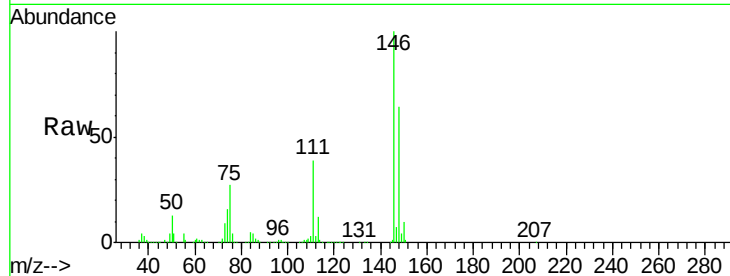




#91
 1,2-Dichlorobenzene
 Concen: 51.291 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

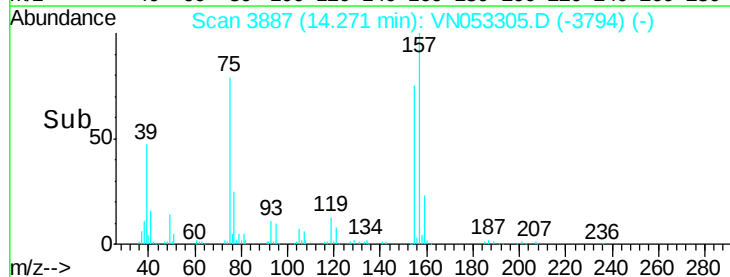
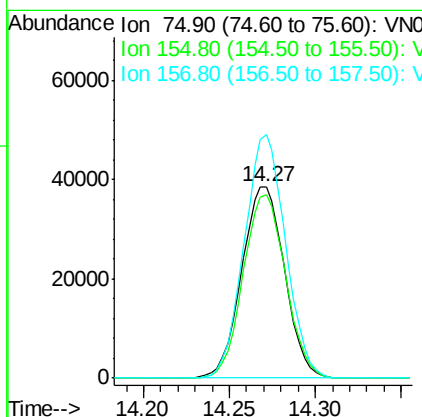
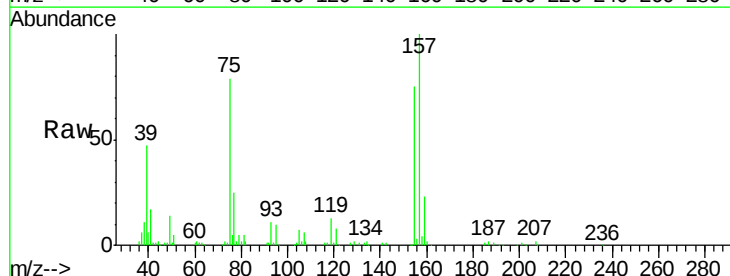
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

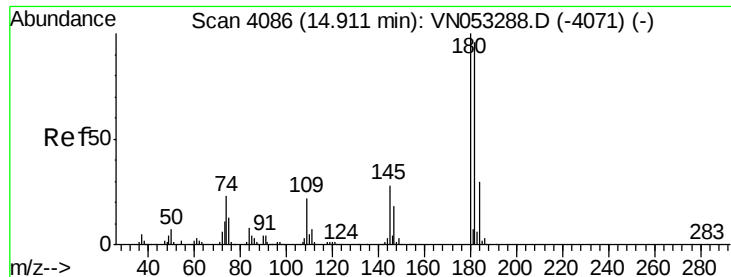
Tot Ion:146 Resp: 1006932
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.4 58.2
 148 64.1 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.513 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion: 75 Resp: 66580
 Ion Ratio Lower Upper
 75 100
 155 94.7 48.1 144.3
 157 122.9 61.5 184.4

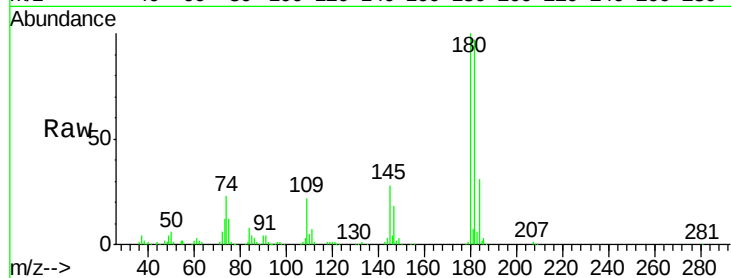




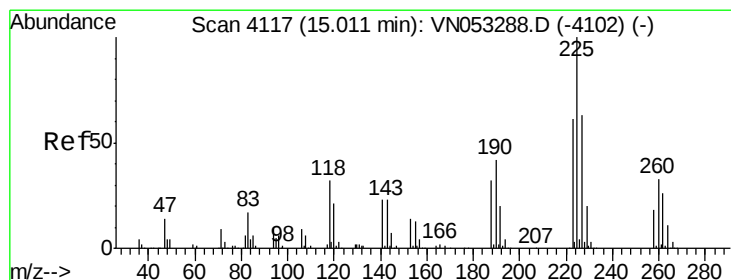
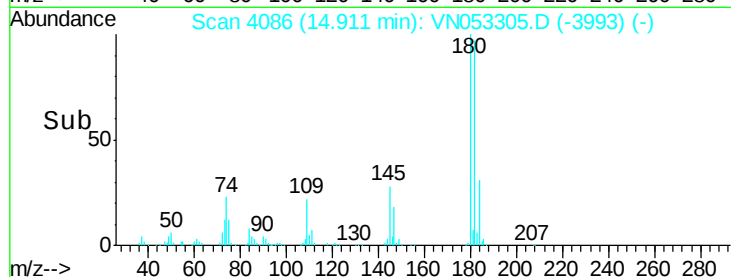
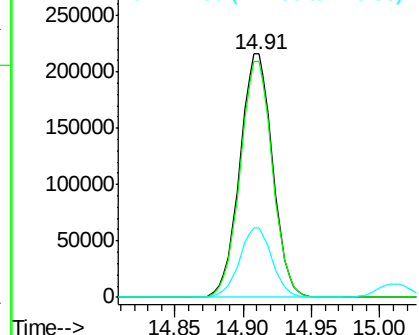
#93
 1,2,4-Trichlorobenzene
 Concen: 58.234 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 359464
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.8 143.4
 145 28.3 14.4 43.0

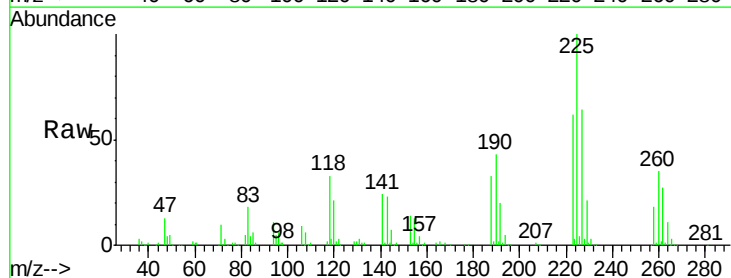


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

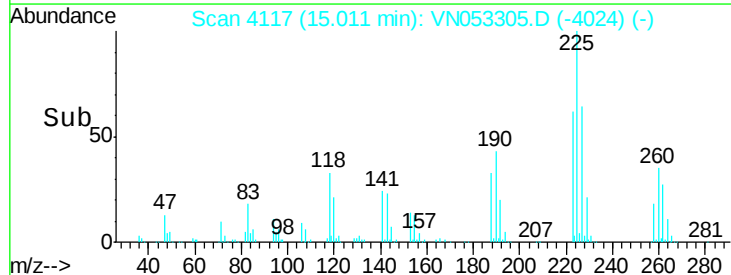
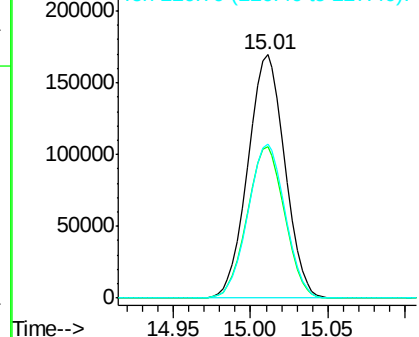


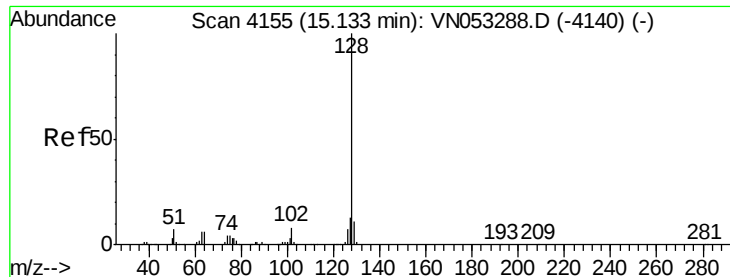
#94
 Hexachlorobutadiene
 Concen: 55.934 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053305.D
 Acq: 8 Jan 2019 9:08

Tgt Ion:225 Resp: 282407
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.9 92.8
 227 63.6 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 57.350 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

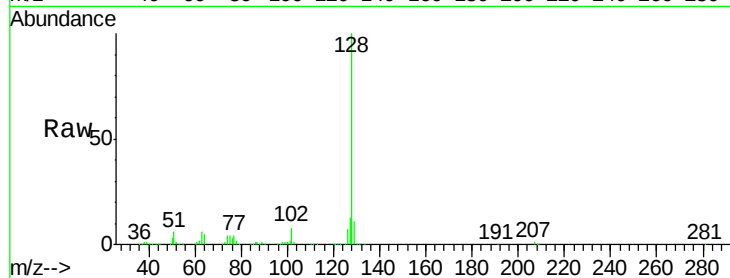
Tot Ion:128 Resp: 603910

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

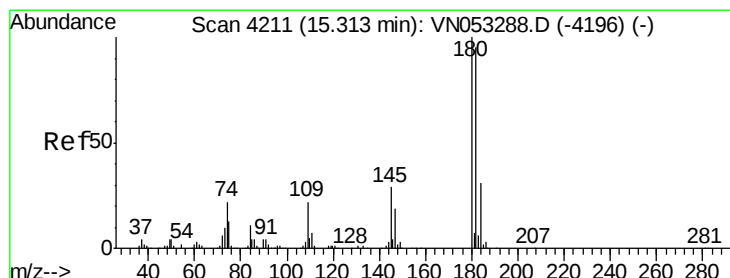
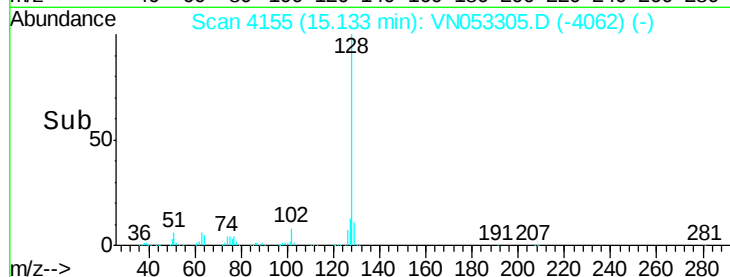
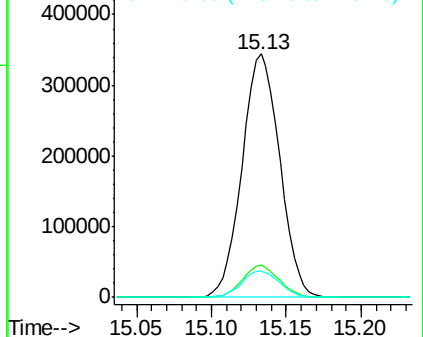
129 10.9 8.7 13.1



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: 59.001 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053305.D

Acq: 8 Jan 2019 9:08

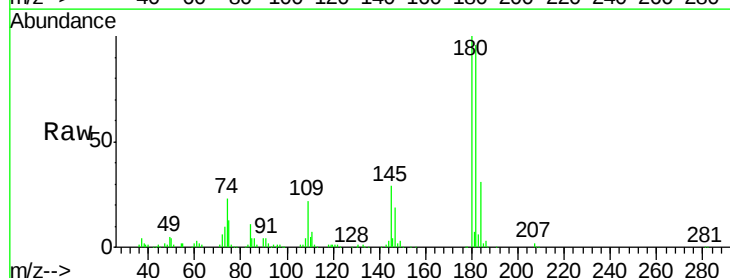
Tgt Ion:180 Resp: 238444

Ion Ratio Lower Upper

180 100

182 95.4 48.4 145.0

145 29.7 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

