

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
 Data File : VN053319.D
 Acq On : 9 Jan 2019 9:07
 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 10 02:59:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1134606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1692317	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1516923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	712456	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	558820	47.34	ug/l	0.00
Spiked Amount						
			Recovery	=	94.68%	
35) Dibromofluoromethane	7.59	113	483405	50.18	ug/l	0.00
Spiked Amount						
			Recovery	=	100.36%	
50) Toluene-d8	10.09	98	2056365	49.48	ug/l	0.00
Spiked Amount						
			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	724250	49.78	ug/l	0.00
Spiked Amount						
			Recovery	=	99.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	496463	49.633	ug/l	100
3) Chloromethane	2.06	50	628683	45.007	ug/l	99
4) Vinyl Chloride	2.19	62	630862	47.318	ug/l	100
5) Bromomethane	2.57	94	416133	47.765	ug/l	99
6) Chloroethane	2.71	64	377519	46.912	ug/l	100
7) Trichlorofluoromethane	3.02	101	834469	48.321	ug/l	100
8) Diethyl Ether	3.41	74	323738	47.829	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	543587	49.666	ug/l	99
10) Methyl Iodide	3.96	142	781248	50.923	ug/l	100
11) Tert butyl alcohol	4.78	59	180713	254.528	ug/l	99
12) 1,1-Dichloroethene	3.74	96	507229	47.912	ug/l	100
13) Acrolein	3.61	56	196567	220.195	ug/l	100
14) Allyl chloride	4.33	41	795877	46.643	ug/l	100
15) Acrylonitrile	4.99	53	997930	235.452	ug/l	100
16) Acetone	3.81	43	904121	318.866	ug/l	98
17) Carbon Disulfide	4.06	76	1517142	46.483	ug/l	99
18) Methyl Acetate	4.32	43	462821	43.322	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1429501	48.112	ug/l	99
20) Methylene Chloride	4.55	84	577999	45.591	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	545716	48.008	ug/l	99
22) Diisopropyl ether	5.95	45	1768883	48.122	ug/l	99
23) Vinyl Acetate	5.90	43	5608749	242.499	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1007094	47.503	ug/l	100
25) 2-Butanone	6.83	43	1212575	250.389	ug/l	99
26) 2,2-Dichloropropane	6.82	77	782264	50.477	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	628975	48.454	ug/l	99
28) Bromochloromethane	7.19	49	439991	48.702	ug/l	98
29) Tetrahydrofuran	7.21	42	742421	232.313	ug/l	99
30) Chloroform	7.37	83	990036	47.445	ug/l	98
31) Cyclohexane	7.65	56	945745	46.932	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	828666	47.656	ug/l	100
36) 1,1-Dichloropropene	7.79	75	788144	49.886	ug/l	100
37) Ethyl Acetate	6.93	43	495906	48.189	ug/l	100
38) Carbon Tetrachloride	7.77	117	728298	49.943	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	918715	50.194	ug/l	99
40) Benzene	8.04	78	2369590	49.101	ug/l	99
41) Methacrylonitrile	7.17	41	253482	39.675	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	691045	48.274	ug/l	99
43) Isopropyl Acetate	8.16	43	889636	43.945	ug/l	99
44) Trichloroethene	8.83	130	656796	49.564	ug/l	99
45) 1,2-Dichloropropane	9.12	63	624387	49.330	ug/l	99
46) Dibromomethane	9.21	93	361803	49.024	ug/l	100
47) Bromodichloromethane	9.40	83	765219	49.755	ug/l	99
48) Methyl methacrylate	9.20	41	444238	48.301	ug/l	98
49) 1,4-Dioxane	9.20	88	111364	1136.473	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2485402	244.132	ug/l	100
52) Toluene	10.16	92	1483358	50.101	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	809094	51.426	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	928617	51.077	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	525689	48.288	ug/l	100
56) Ethyl methacrylate	10.43	69	722137	51.045	ug/l	99
57) 1,3-Dichloropropane	10.71	76	899511	49.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1879361	245.725	ug/l	100
59) 2-Hexanone	10.75	43	1798478	257.834	ug/l	99
60) Dibromochloromethane	10.90	129	594071	50.594	ug/l	99
61) 1,2-Dibromoethane	11.00	107	526482	49.007	ug/l	99
64) Tetrachloroethene	10.63	164	704795	49.365	ug/l	99
65) Chlorobenzene	11.43	112	1622707	49.243	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	575088	49.860	ug/l	100
67) Ethyl Benzene	11.51	91	2837111	50.667	ug/l	100
68) m/p-Xylenes	11.62	106	2154572	102.328	ug/l	100
69) o-Xylene	11.95	106	1040113	50.458	ug/l	100
70) Styrene	11.96	104	1728771	51.530	ug/l	100
71) Bromoform	12.13	173	416075	51.071	ug/l #	99
73) Isopropylbenzene	12.25	105	2737444	51.607	ug/l	100
74) N-amyl acetate	12.07	43	801144	50.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	595285	48.786	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	815953	78.521	ug/l #	100
77) Bromobenzene	12.53	156	718346	50.740	ug/l	99
78) n-propylbenzene	12.59	91	3125877	52.097	ug/l	100
79) 2-Chlorotoluene	12.67	91	1831843	50.456	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2197816	51.438	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	196609	55.666	ug/l	99
82) 4-Chlorotoluene	12.77	91	1898434	50.995	ug/l	100
83) tert-Butylbenzene	12.99	119	1898162	50.634	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2239163	51.441	ug/l	100
85) sec-Butylbenzene	13.17	105	2536363	51.303	ug/l	100
86) p-Isopropyltoluene	13.29	119	2226155	52.007	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1242409	49.834	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1233385	49.872	ug/l	100
89) n-Butylbenzene	13.62	91	1870641	52.125	ug/l	100
90) Hexachloroethane	13.88	117	351335	51.209	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1157311	49.558	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77311	52.237	ug/l	99

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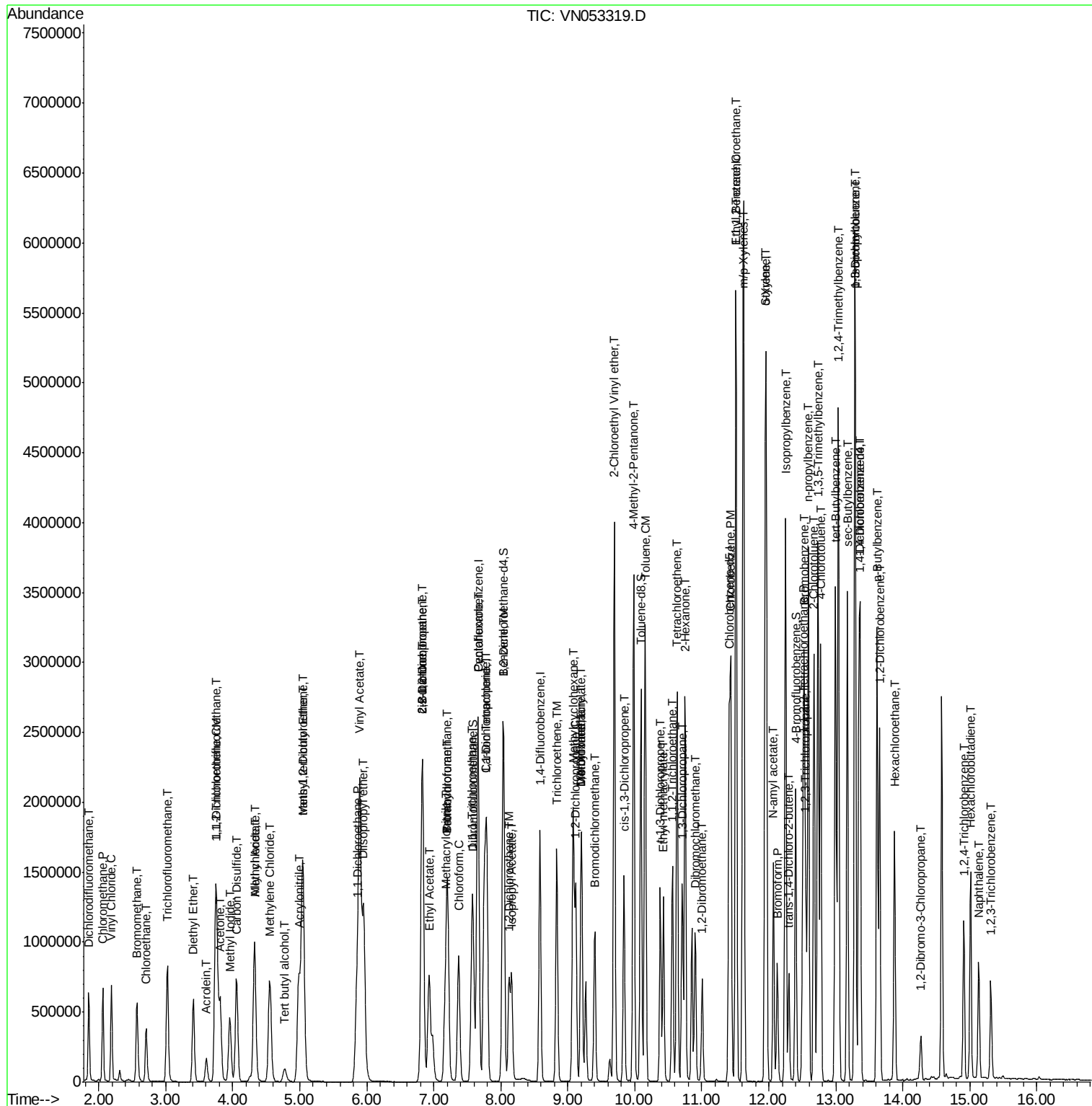
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	399049	54.346	ug/l	99
94) Hexachlorobutadiene	15.01	225	317117	52.801	ug/l	98
95) Naphthalene	15.13	128	714203	57.016	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	266652	55.467	ug/l	100

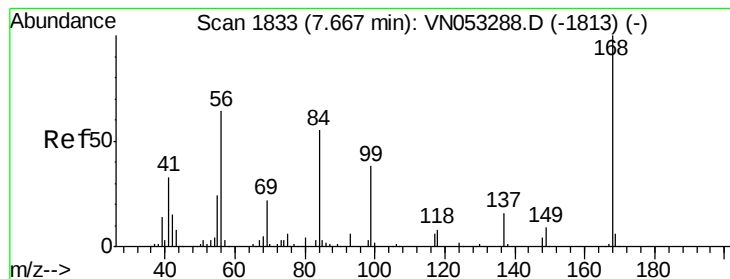
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

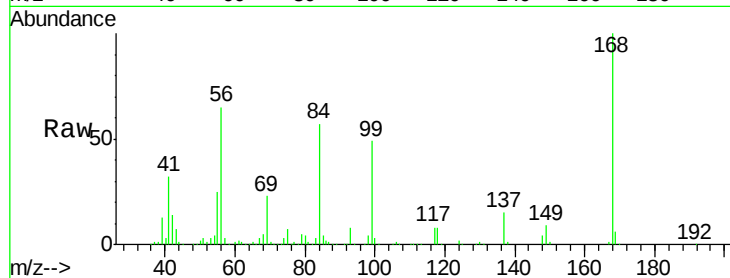
VSTDCCC050

Tot Ion:168 Resp: 1134606

Ion Ratio Lower Upper

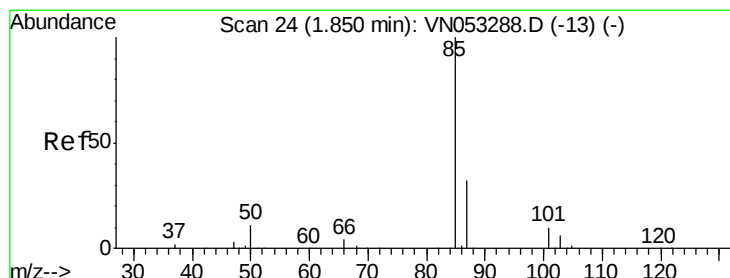
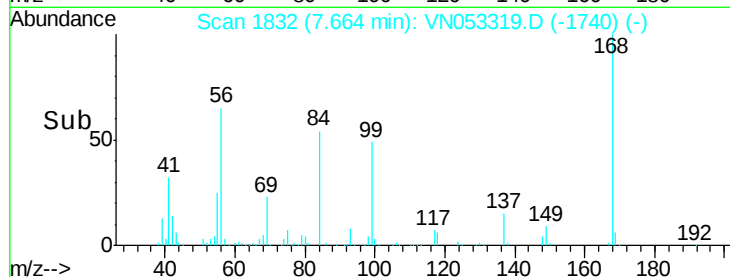
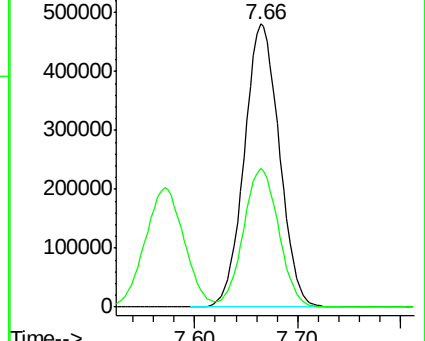
168 100

99 48.7 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: 49.633 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053319.D

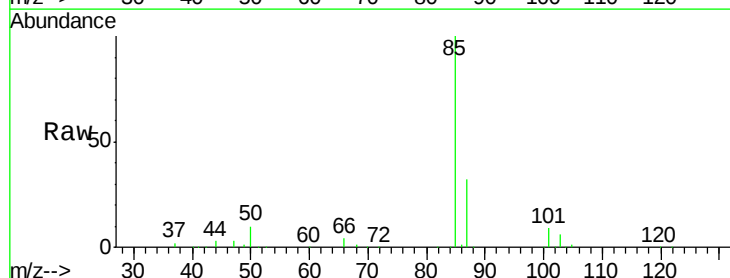
Acq: 9 Jan 2019 9:07

Tgt Ion: 85 Resp: 496463

Ion Ratio Lower Upper

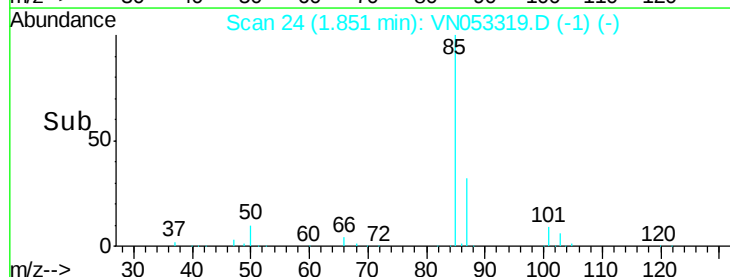
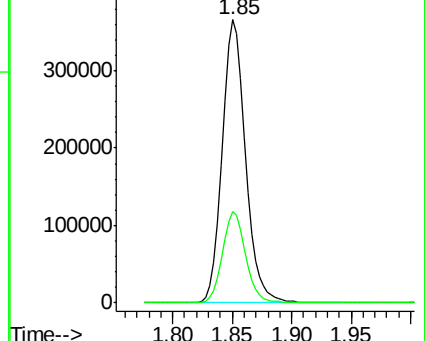
85 100

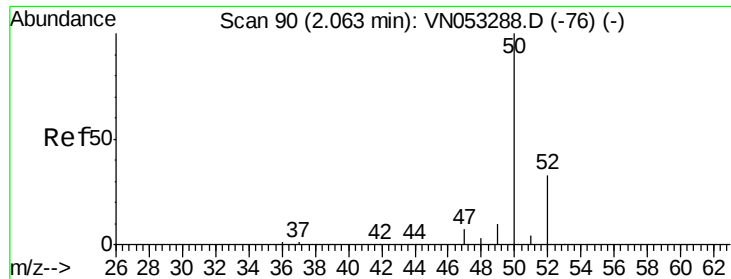
87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.007 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

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ClientSampleId :

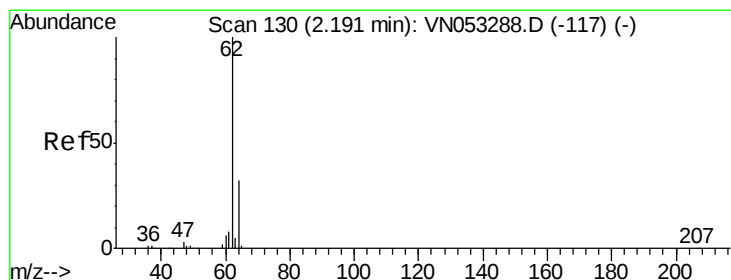
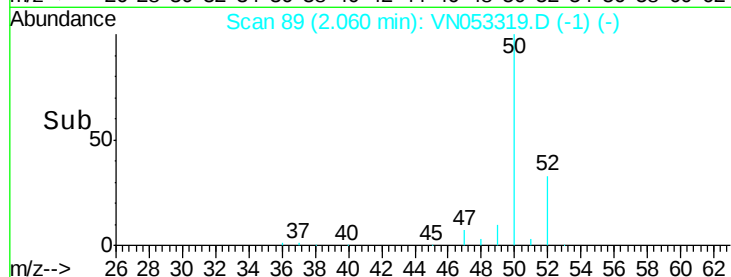
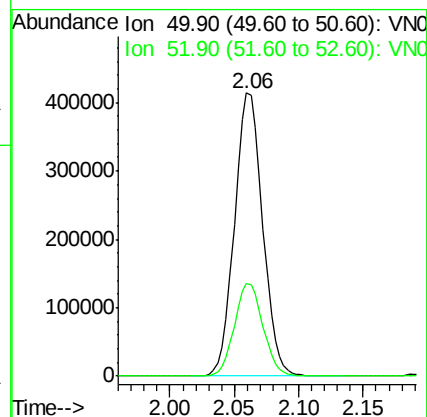
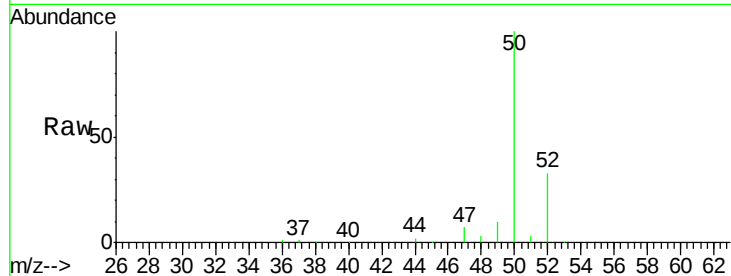
VSTDCCC050

Tot Ion: 50 Resp: 628683

Ion Ratio Lower Upper

50 100

52 32.8 26.6 40.0



#4

Vinyl Chloride

Concen: 47.318 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053319.D

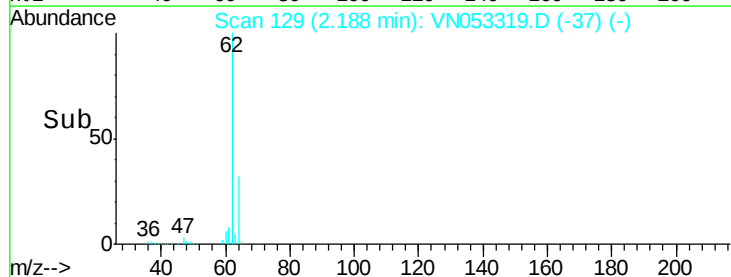
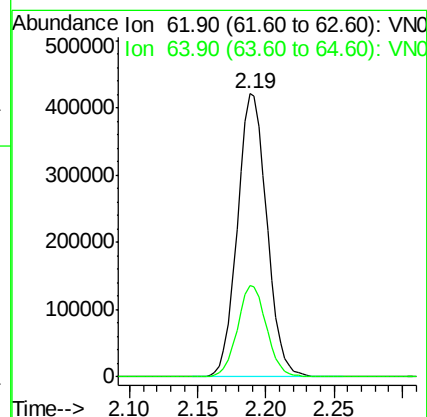
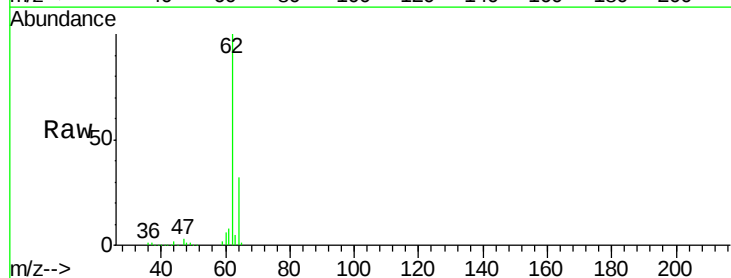
Acq: 9 Jan 2019 9:07

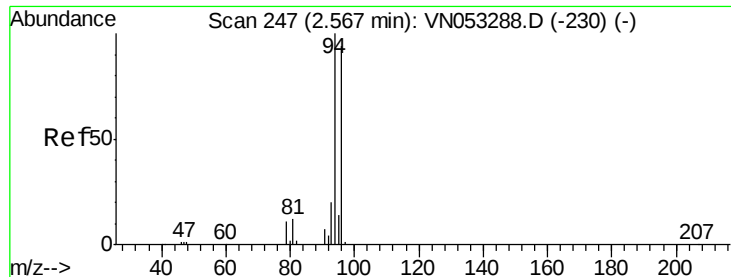
Tgt Ion: 62 Resp: 630862

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4





#5

Bromomethane

Concen: 47.765 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

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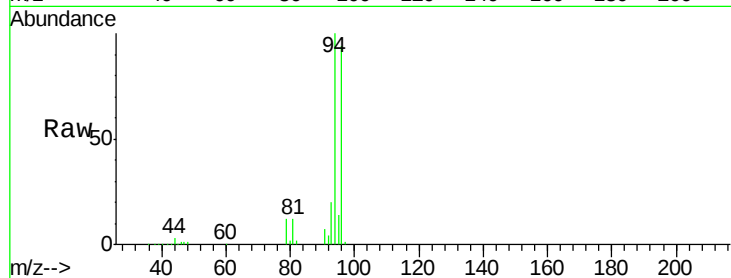
VSTDCCC050

Tot Ion: 94 Resp: 416133

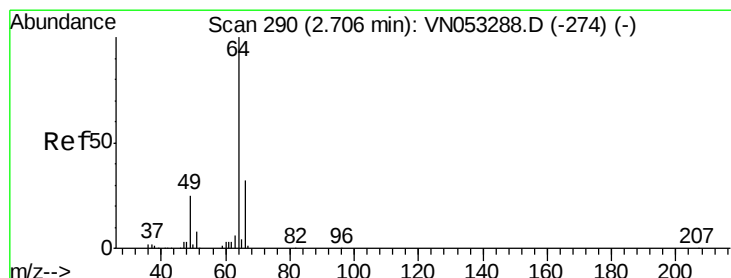
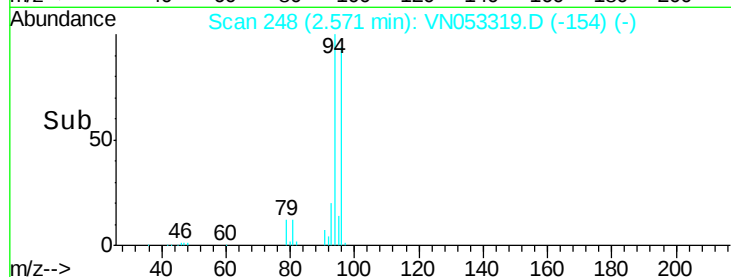
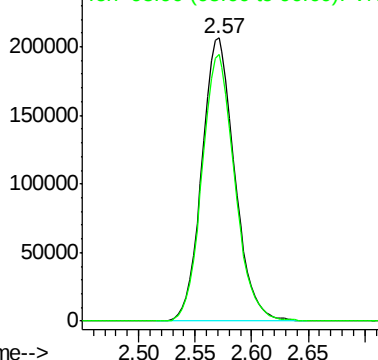
Ion Ratio Lower Upper

94 100

96 94.1 74.9 112.3



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



#6

Chloroethane

Concen: 46.912 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053319.D

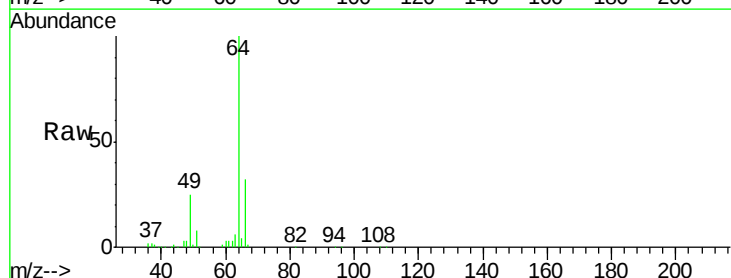
Acq: 9 Jan 2019 9:07

Tgt Ion: 64 Resp: 377519

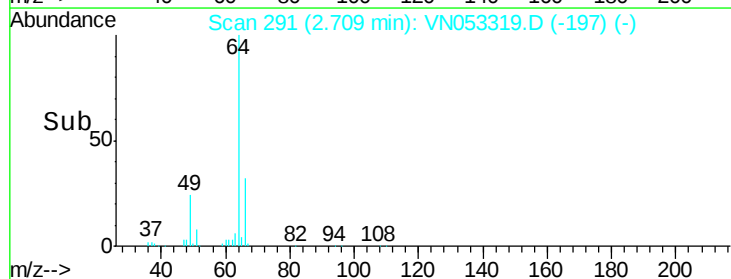
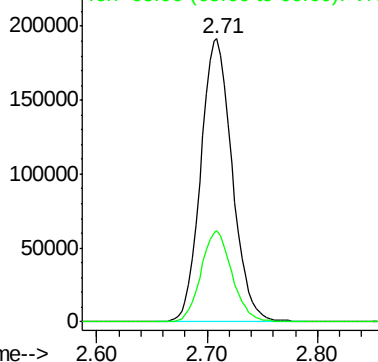
Ion Ratio Lower Upper

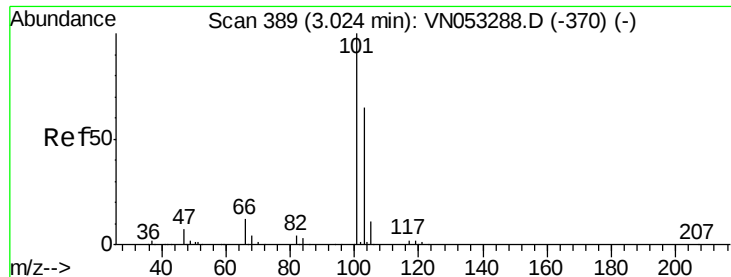
64 100

66 32.1 25.6 38.4



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



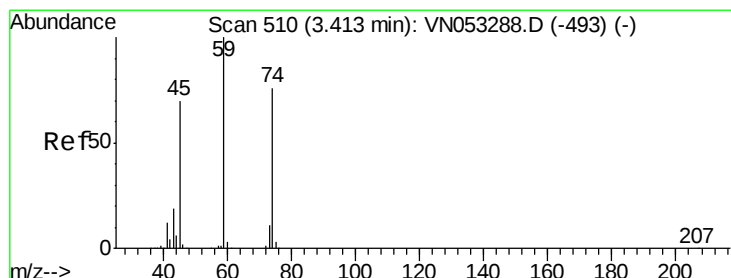
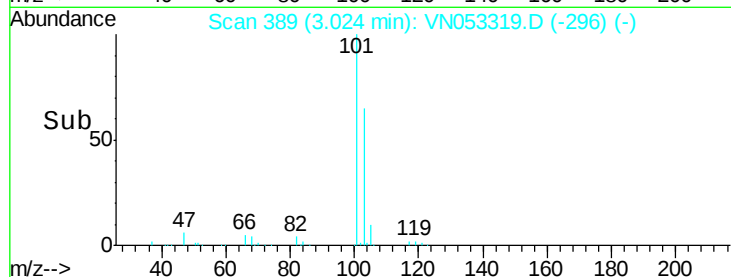
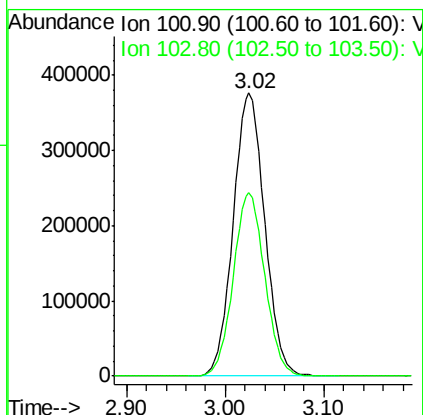
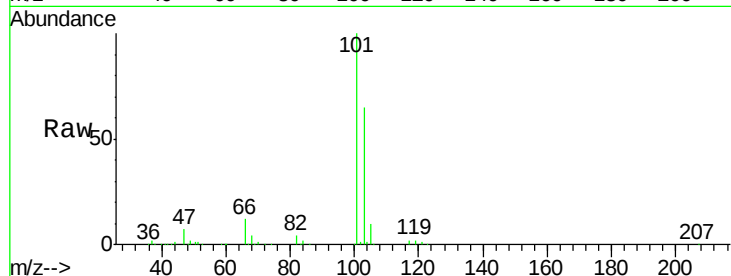


#7

Trichlorofluoromethane
 Concen: 48.321 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053319.D
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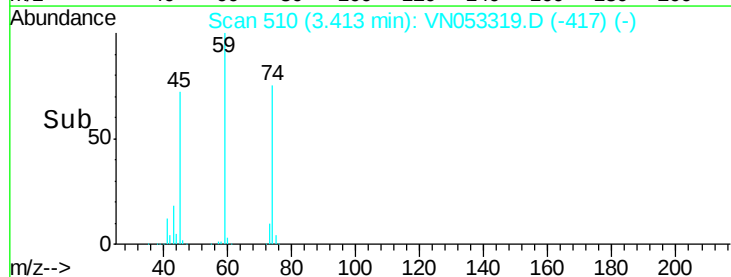
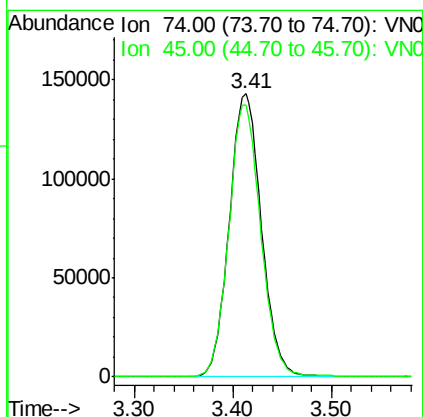
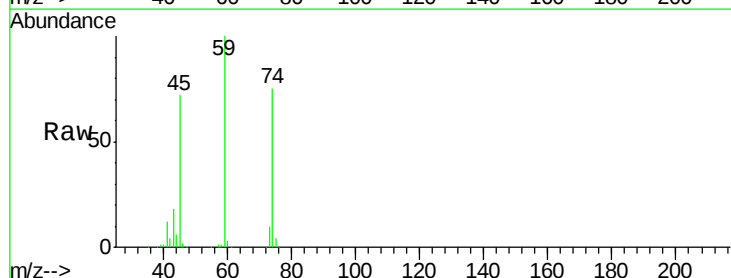
Tot Ion:101 Resp: 834469
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.1 78.1

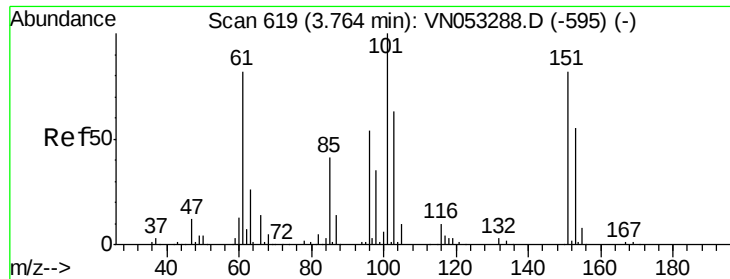


#8

Diethyl Ether
 Concen: 47.829 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion: 74 Resp: 323738
 Ion Ratio Lower Upper
 74 100
 45 96.1 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.666 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

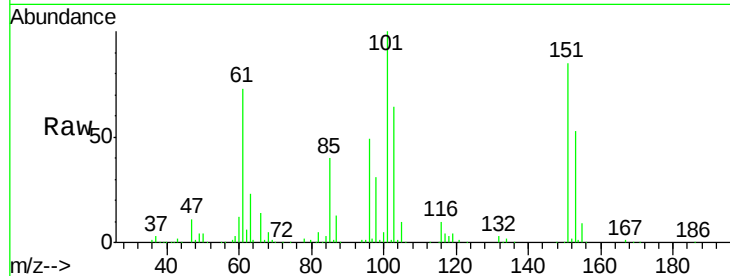
Tot Ion:101 Resp: 543587

Ion Ratio Lower Upper

101 100

85 40.8 33.3 49.9

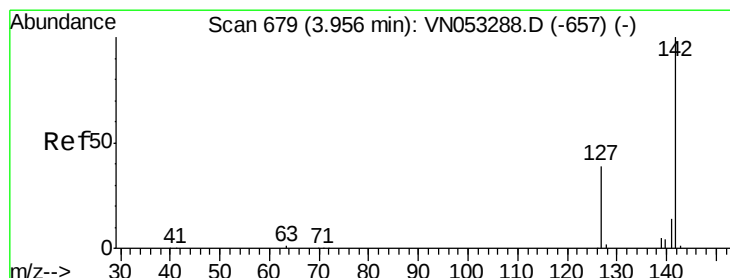
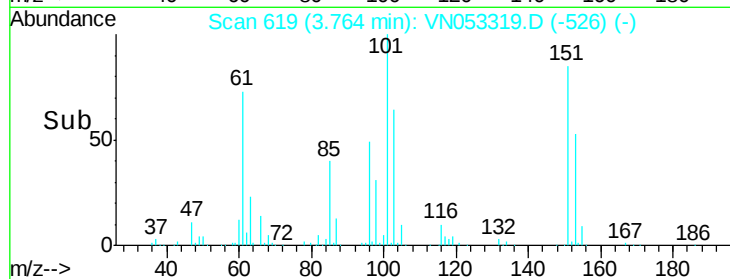
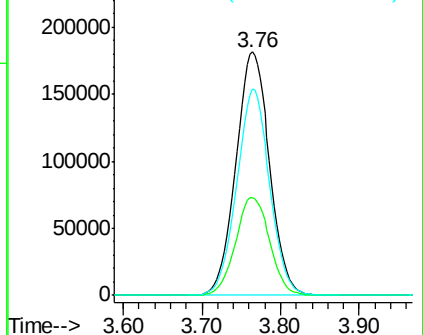
151 83.1 67.0 100.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.923 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

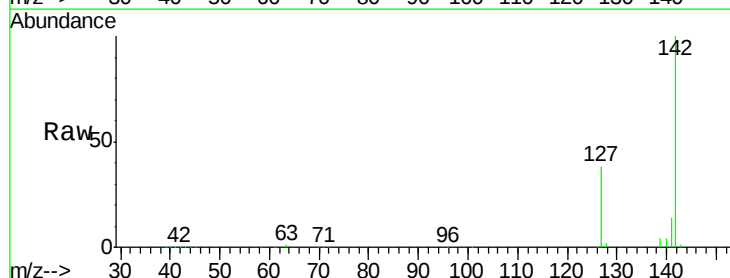
Tgt Ion:142 Resp: 781248

Ion Ratio Lower Upper

142 100

127 38.3 30.9 46.3

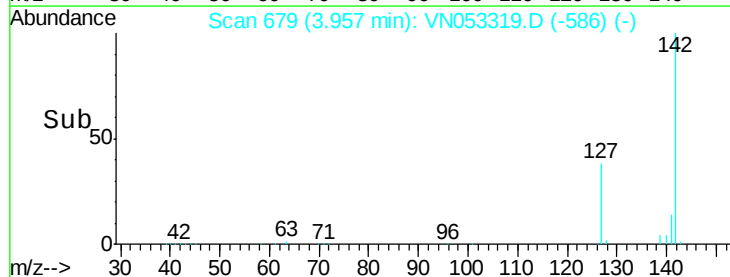
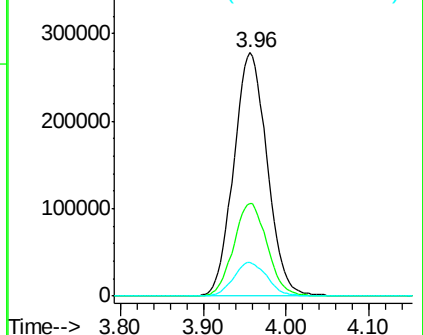
141 13.9 11.2 16.8

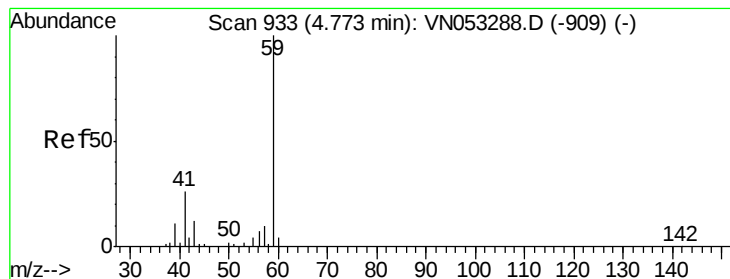


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



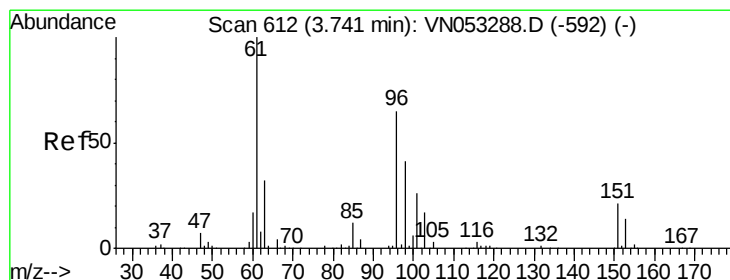
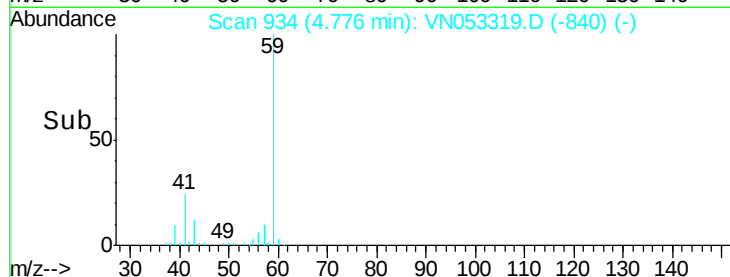
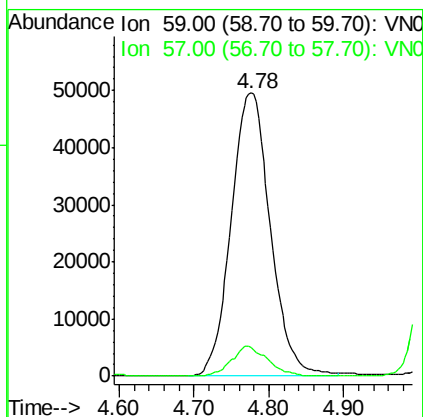
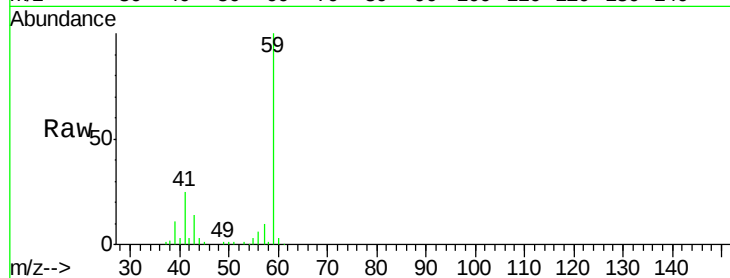


#11

Tert butyl alcohol
 Concen: 254.528 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

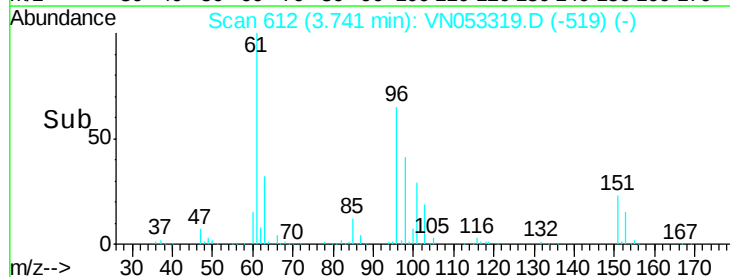
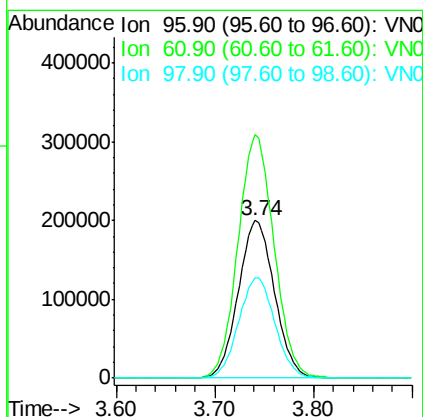
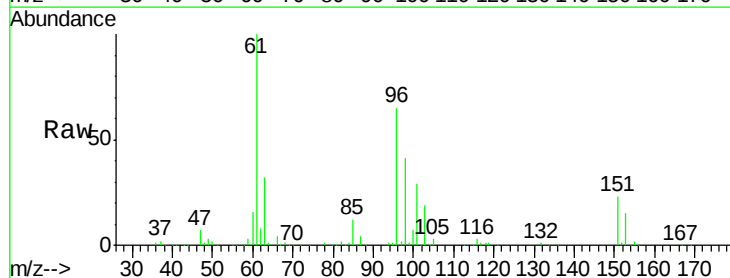
Tot Ion: 59 Resp: 180713
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.0 12.0

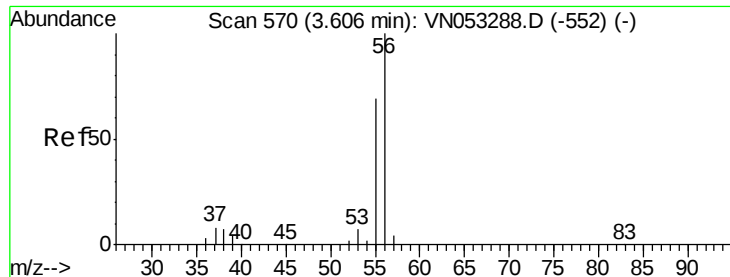


#12

1,1-Dichloroethene
 Concen: 47.912 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion: 96 Resp: 507229
 Ion Ratio Lower Upper
 96 100
 61 154.5 123.2 184.8
 98 63.6 50.5 75.7





#13

Acrolein

Concen: 220.195 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

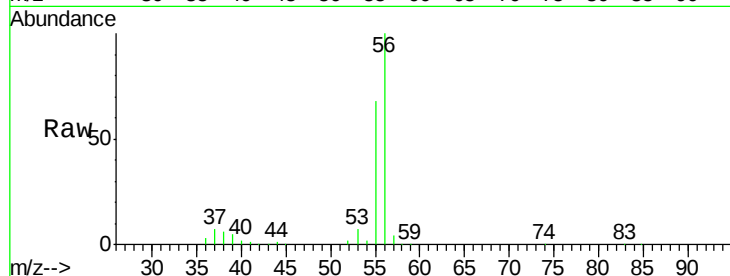
VSTDCCC050

Tot Ion: 56 Resp: 196567

Ion Ratio Lower Upper

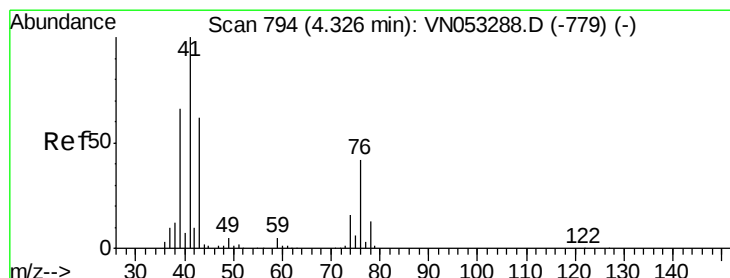
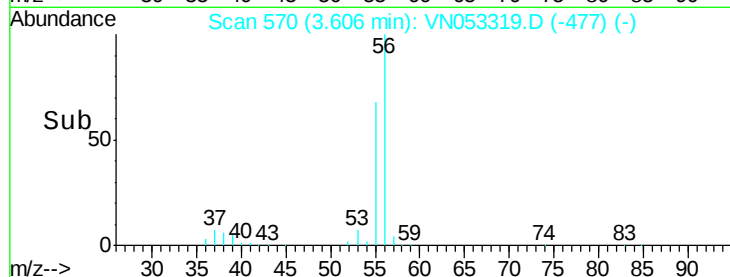
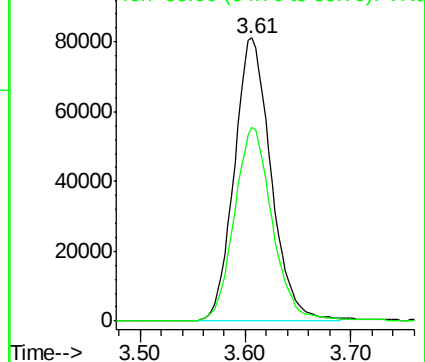
56 100

55 70.3 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 46.643 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

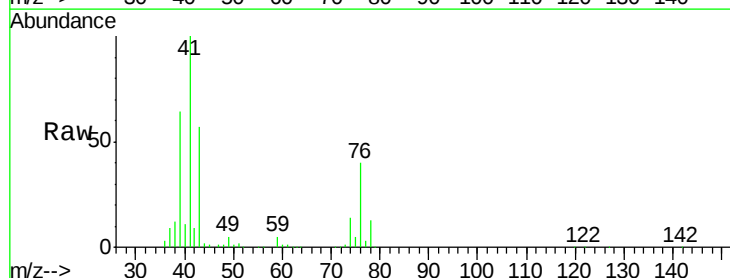
Tgt Ion: 41 Resp: 795877

Ion Ratio Lower Upper

41 100

39 65.3 51.9 77.9

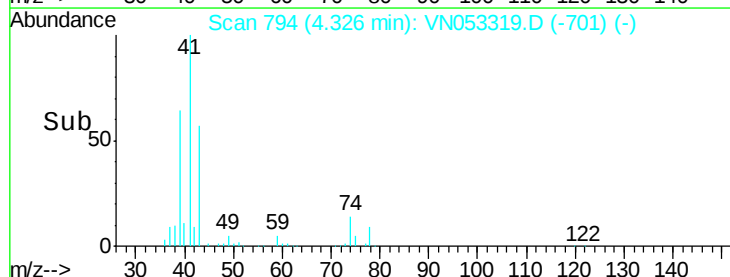
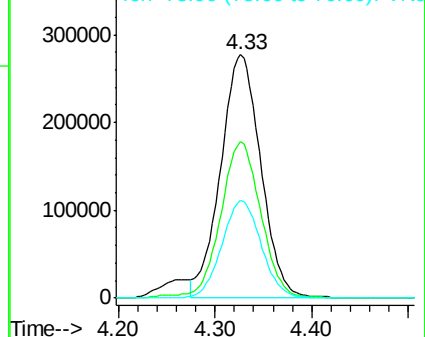
76 39.1 31.2 46.8

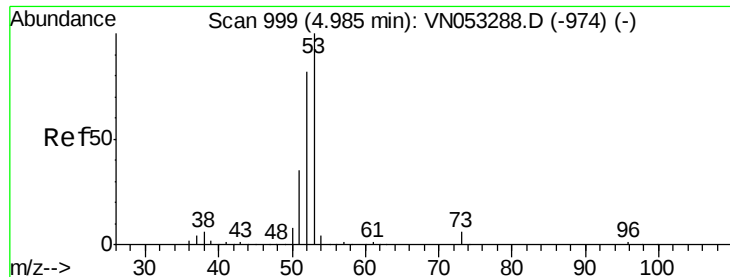


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 235.452 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

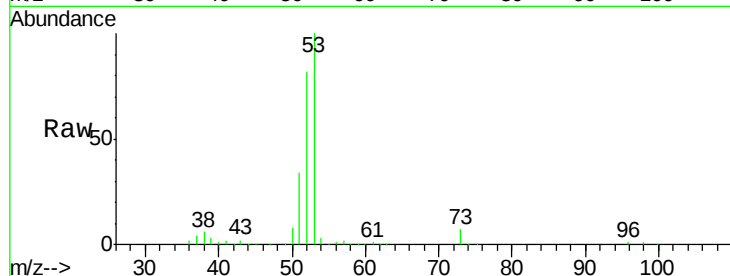
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 997930

Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.2	97.8
51	34.8	28.0	42.0

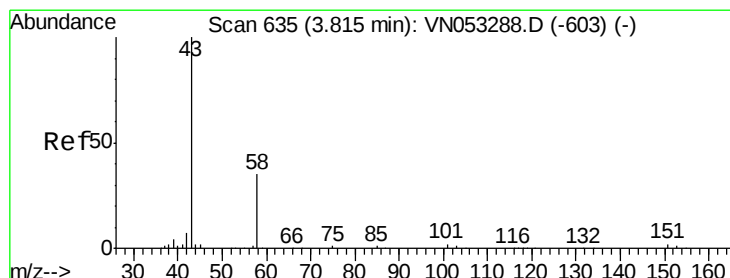
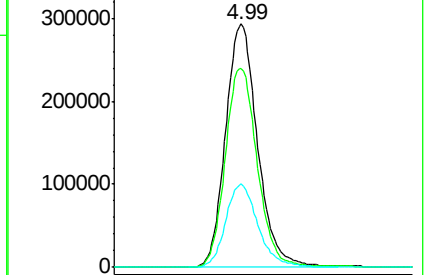
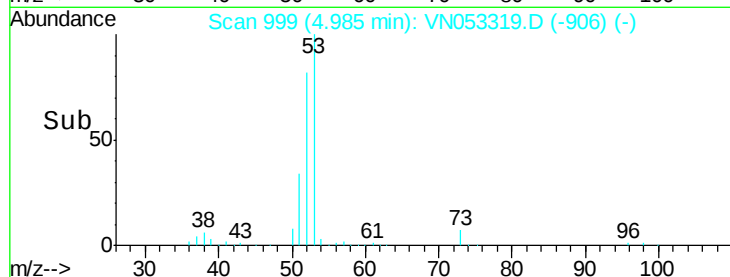


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 318.866 ug/l

RT: 3.81 min Scan# 634

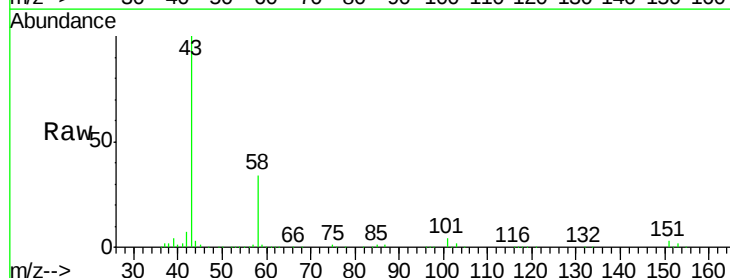
Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Tgt Ion: 43 Resp: 904121

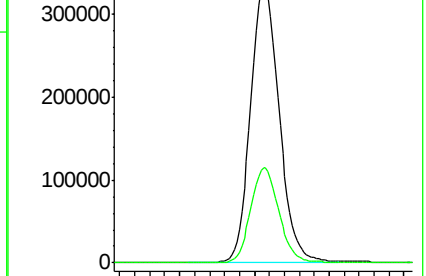
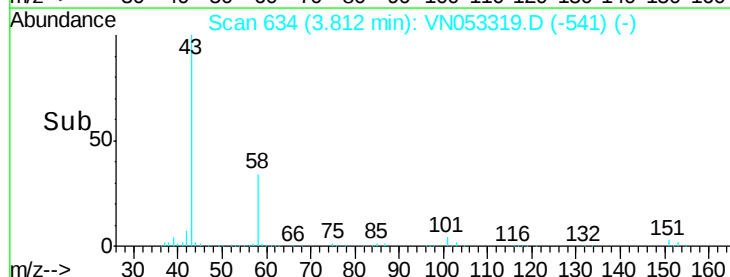
Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.8	41.6

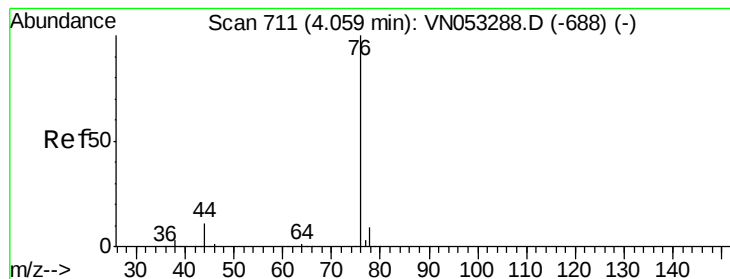


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 46.483 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

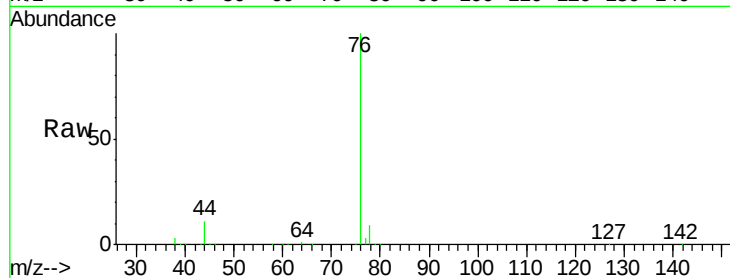
VSTDCCC050

Tot Ion: 76 Resp: 1517142

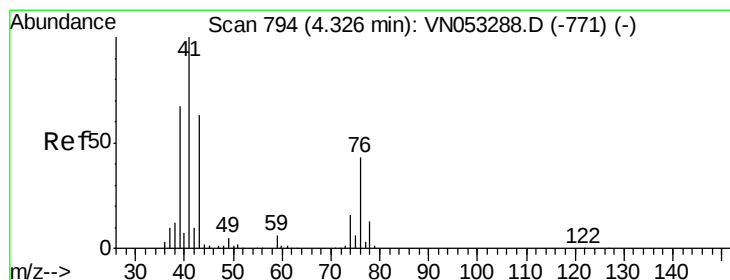
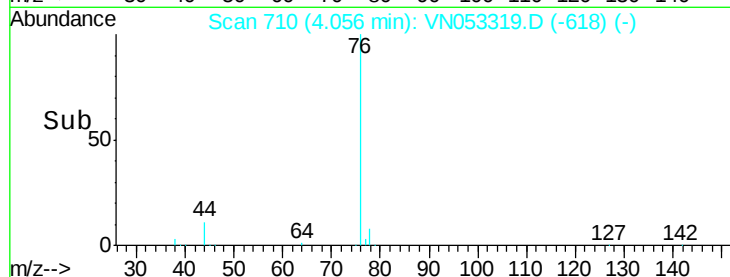
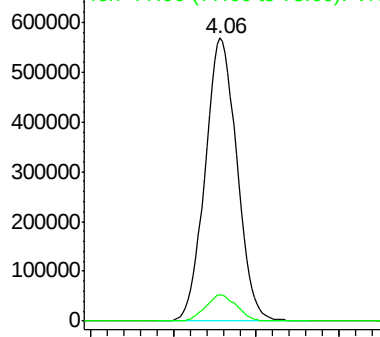
Ion Ratio Lower Upper

76 100

78 9.2 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: 43.322 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053319.D

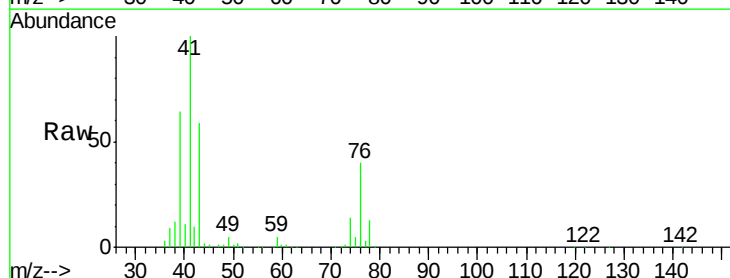
Acq: 9 Jan 2019 9:07

Tgt Ion: 43 Resp: 462821

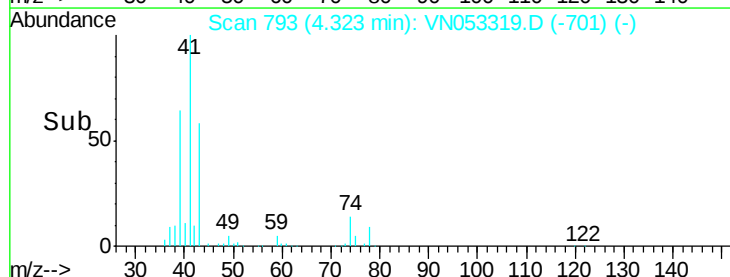
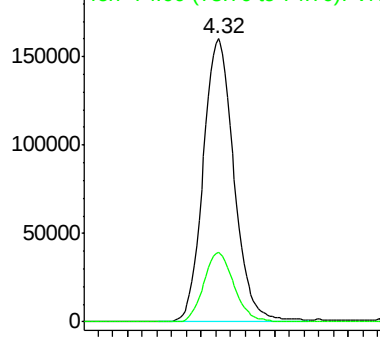
Ion Ratio Lower Upper

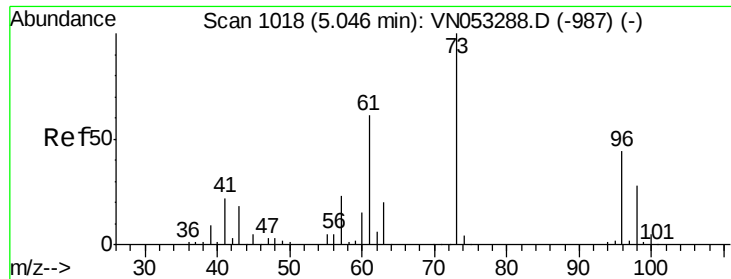
43 100

74 24.3 19.8 29.8



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

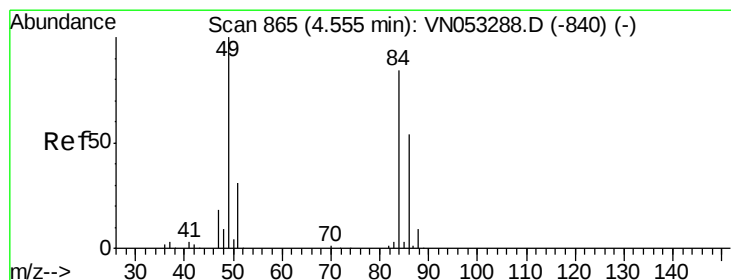
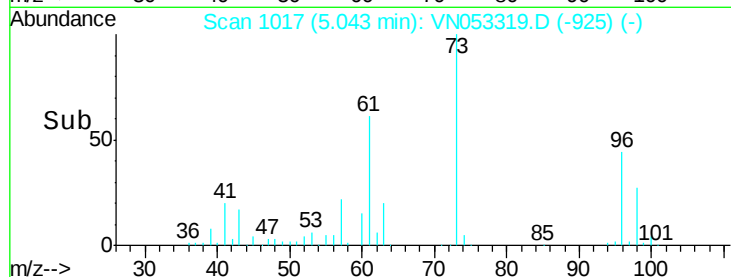
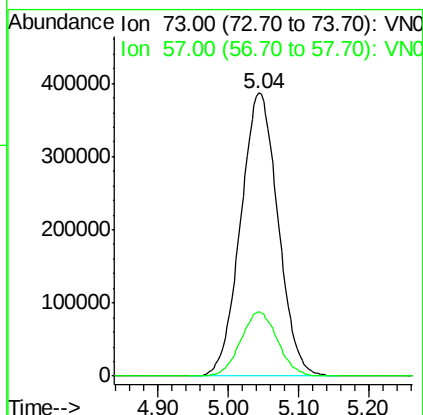
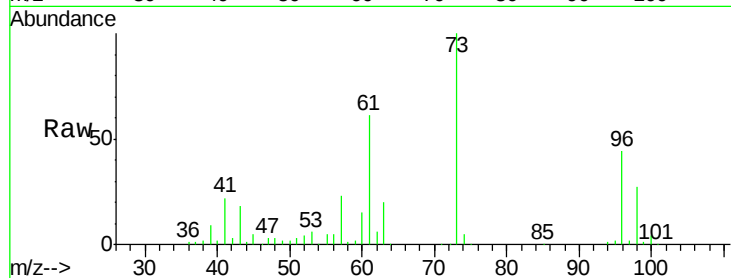




#19
Methvl tert-butvl Ether
Concen: 48.112 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

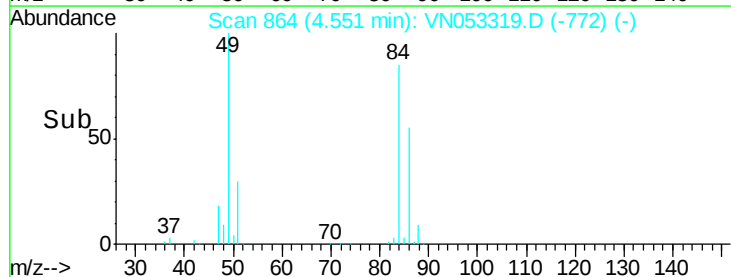
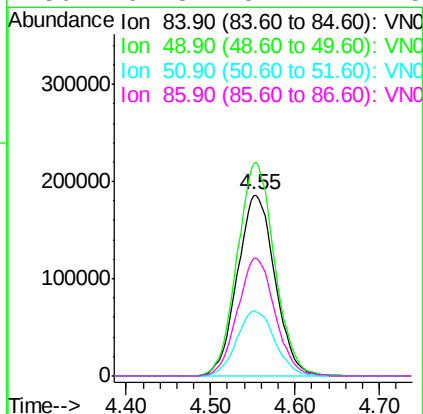
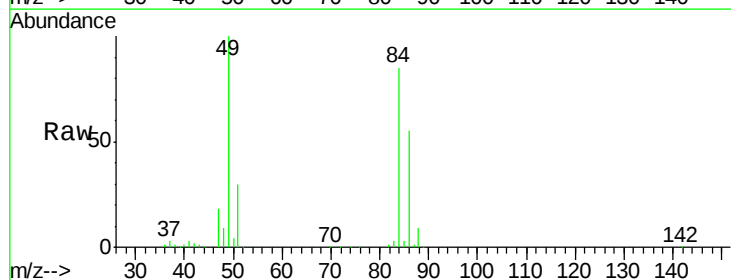
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

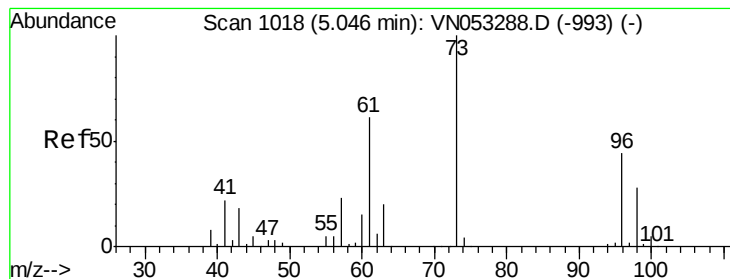
Tot Ion: 73 Resp: 1429501
Ion Ratio Lower Upper
73 100
57 22.7 18.5 27.7



#20
Methylene Chloride
Concen: 45.591 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 84 Resp: 577999
Ion Ratio Lower Upper
84 100
49 117.4 95.3 142.9
51 35.8 29.0 43.6
86 64.8 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 48.008 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

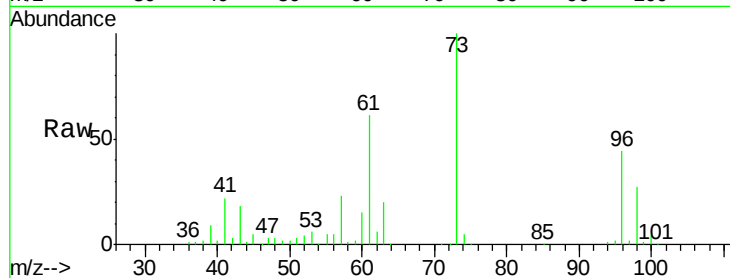
Tot Ion: 96 Resp: 545716

Ion Ratio Lower Upper

96 100

61 139.2 110.2 165.4

98 62.8 50.7 76.1

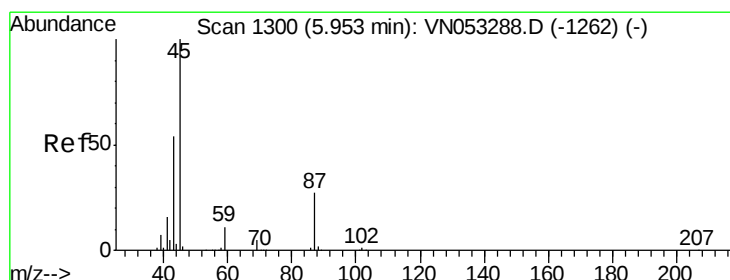
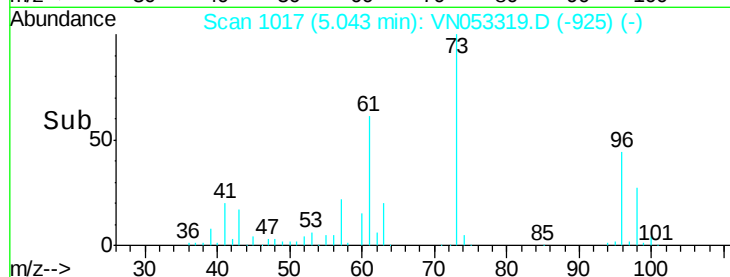
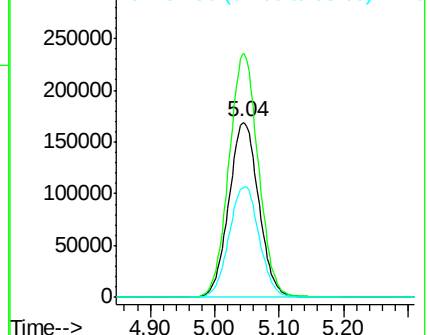


Abundance

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: 48.122 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Tgt Ion: 45 Resp: 1768883

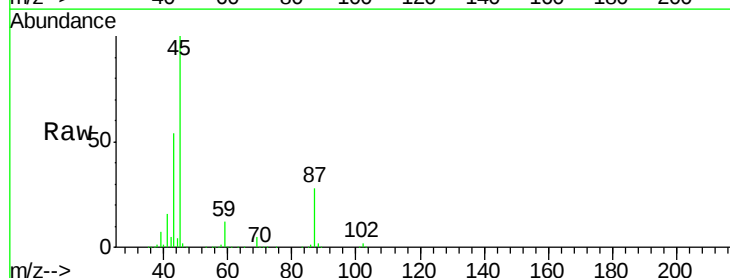
Ion Ratio Lower Upper

45 100

43 53.6 43.0 64.6

87 28.0 22.1 33.1

59 12.1 9.0 13.4



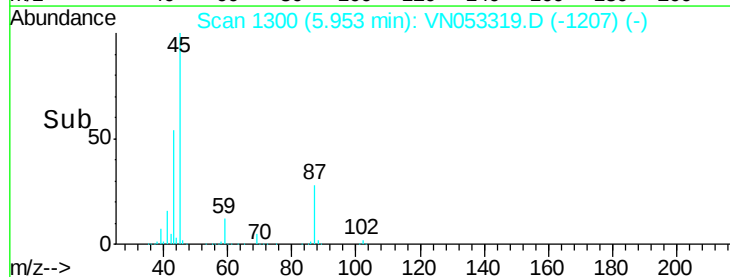
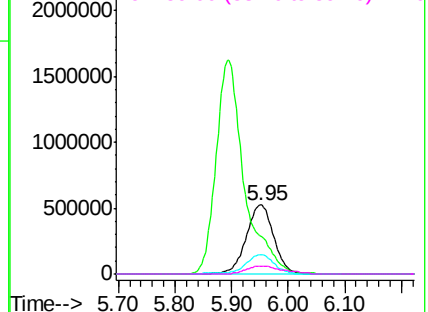
Abundance

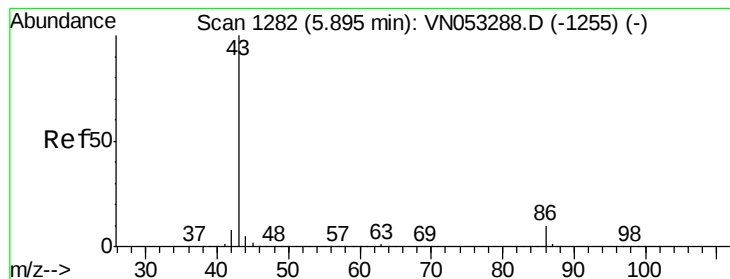
Ion 45.00 (44.70 to 45.70): VN0

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: 242.499 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

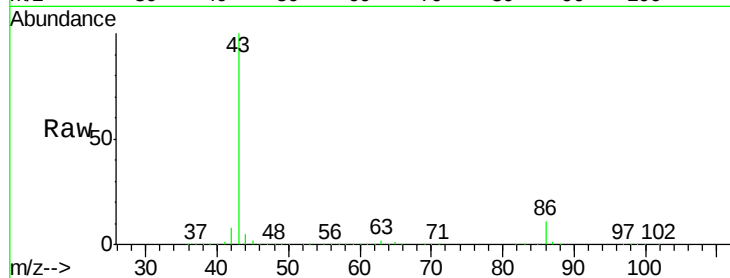
VSTDCCC050

Tot Ion: 43 Resp: 5608749

Ion Ratio Lower Upper

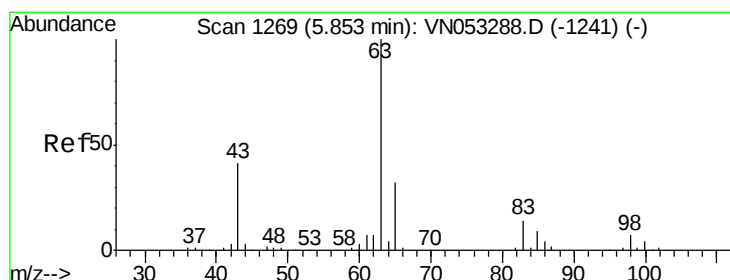
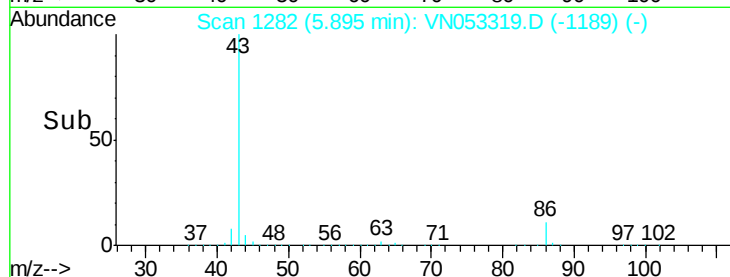
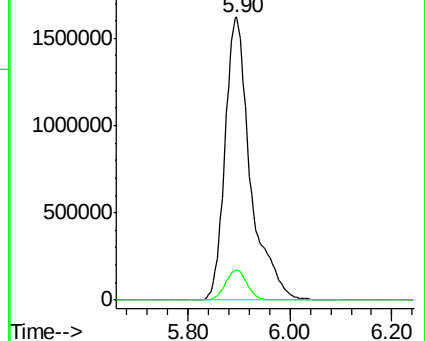
43 100

86 10.7 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 47.503 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

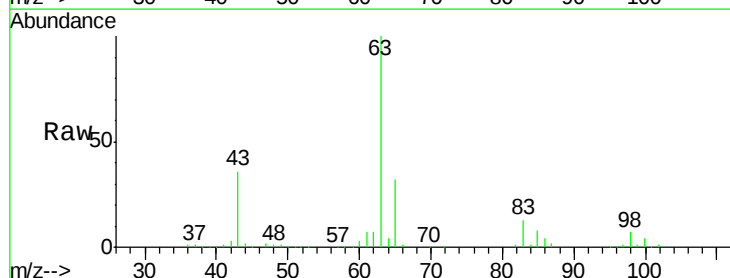
Tgt Ion: 63 Resp: 1007094

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

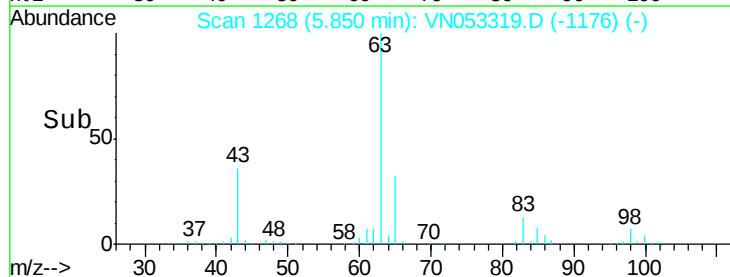
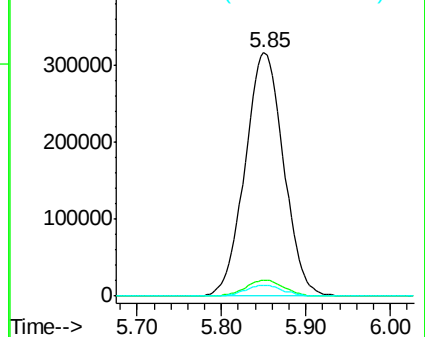
100 4.2 2.1 6.5

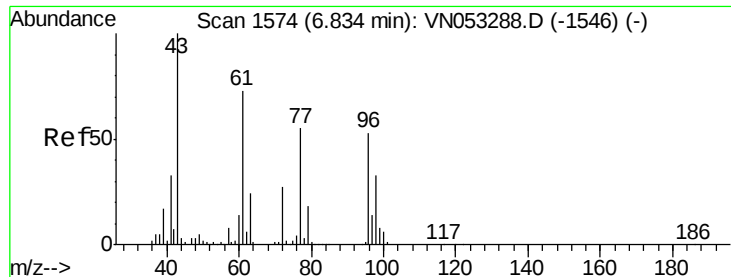


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 250.389 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

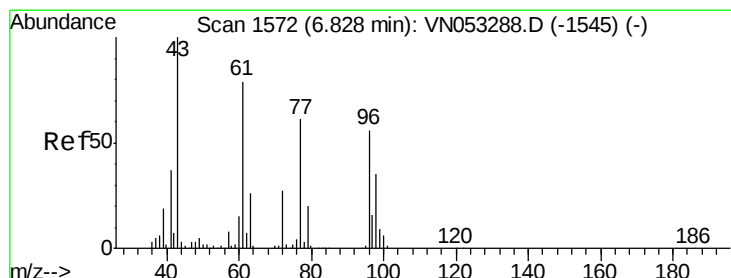
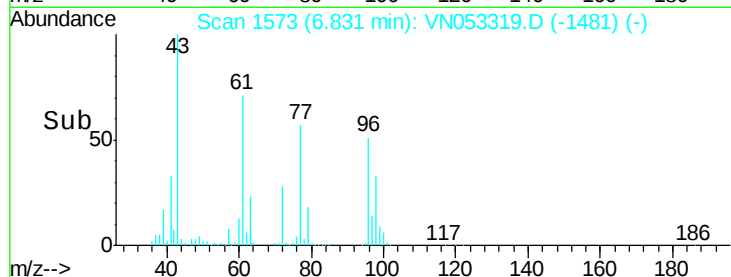
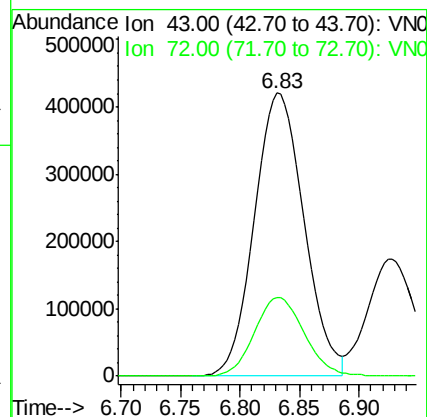
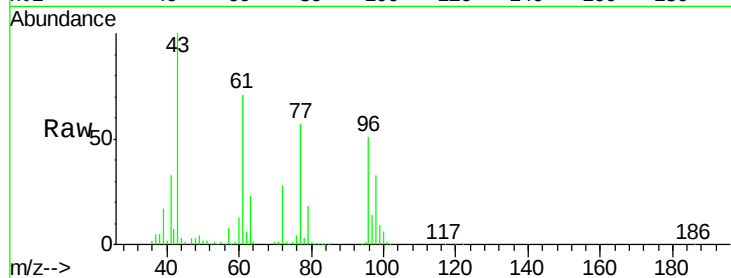
VSTDCCC050

Tot Ion: 43 Resp: 1212575

Ion Ratio Lower Upper

43 100

72 28.0 22.0 33.0



#26

2,2-Dichloropropane

Concen: 50.477 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053319.D

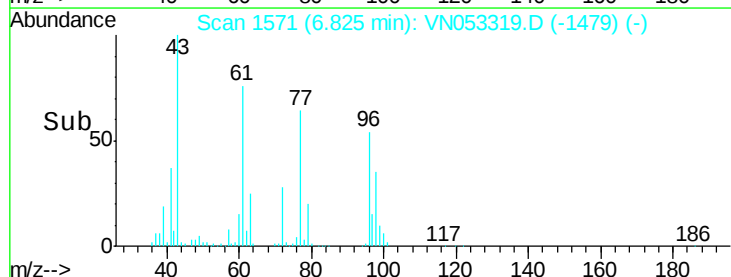
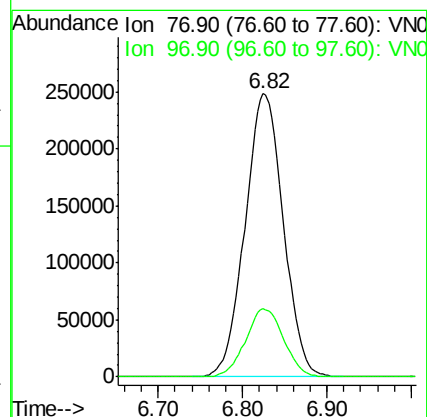
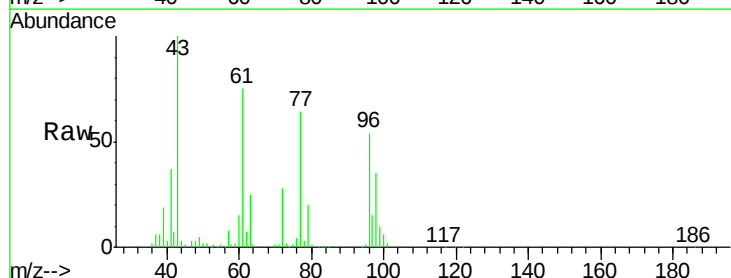
Acq: 9 Jan 2019 9:07

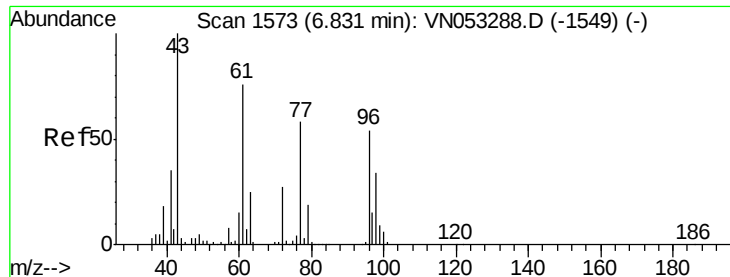
Tgt Ion: 77 Resp: 782264

Ion Ratio Lower Upper

77 100

97 24.0 12.3 36.9

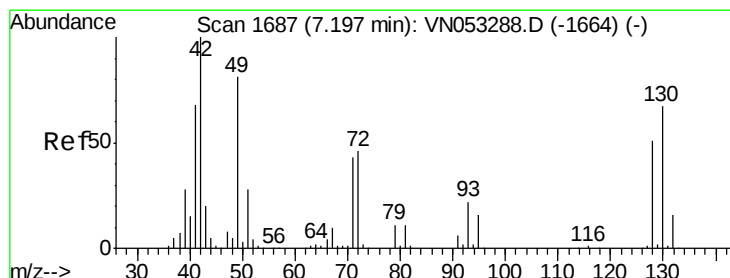
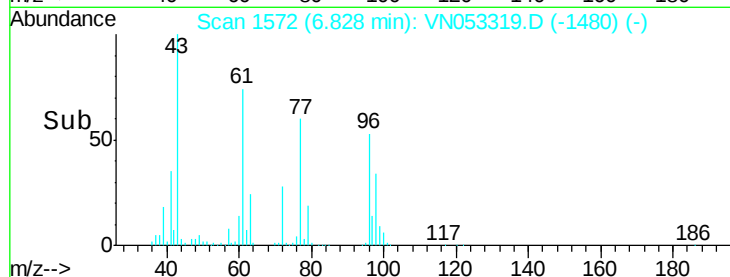
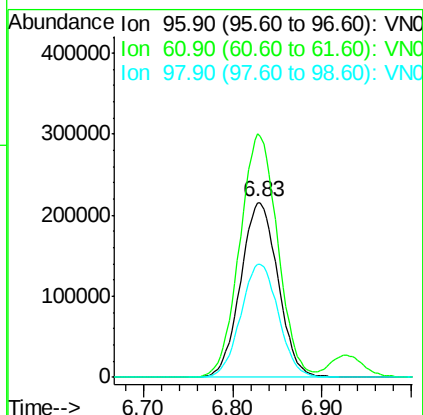
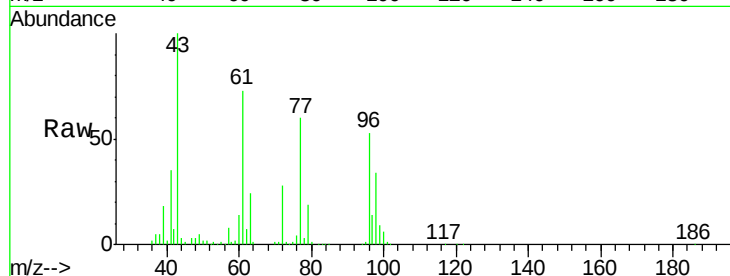




#27
 cis-1,2-Dichloroethene
 Concen: 48.454 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

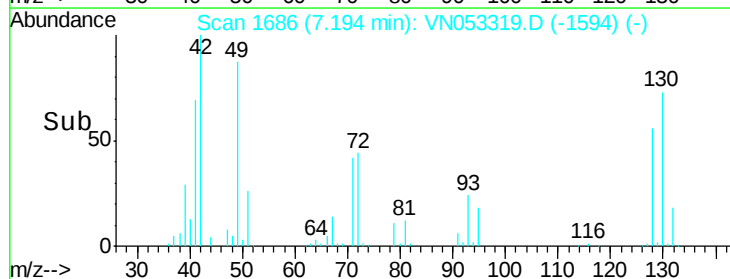
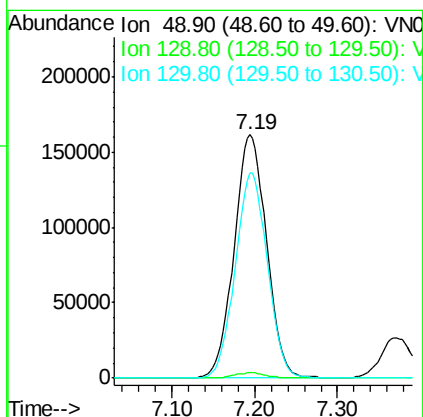
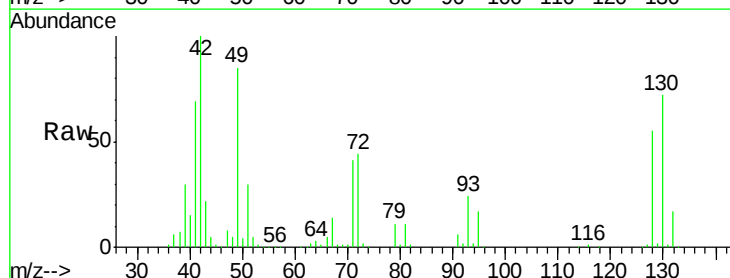
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

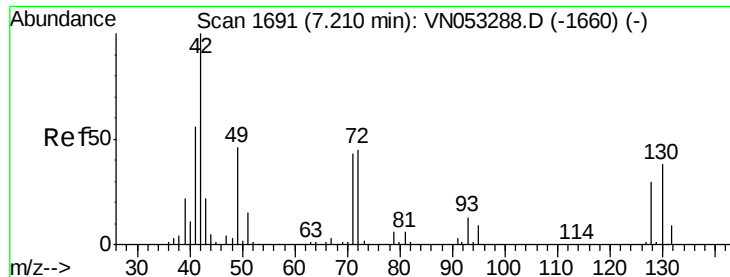
Tot Ion: 96 Resp: 628975
 Ion Ratio Lower Upper
 96 100
 61 141.0 0.0 280.6
 98 65.2 0.0 127.6



#28
 Bromochloromethane
 Concen: 48.702 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion: 49 Resp: 439991
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 83.7 65.4 98.0





#29

Tetrahydrofuran

Concen: 232.313 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

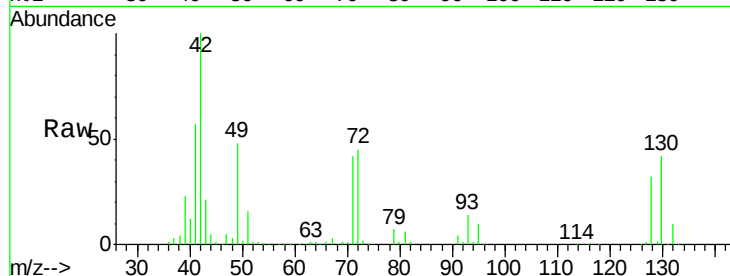
Tot Ion: 42 Resp: 742421

Ion Ratio Lower Upper

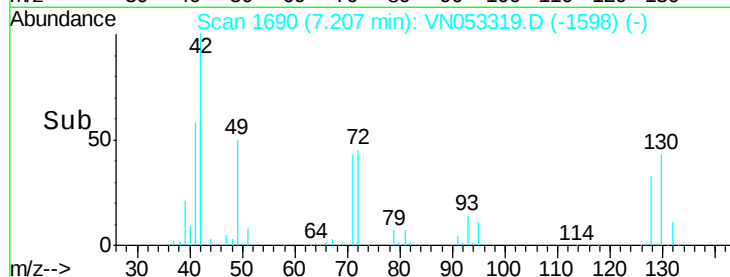
42 100

72 44.0 35.6 53.4

71 41.9 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VN053319.D (-1598) (-)



Ion 72.00 (71.70 to 72.70): VN053319.D (-1598) (-)

Ion 71.00 (70.70 to 71.70): VN053319.D (-1598) (-)

Time-->

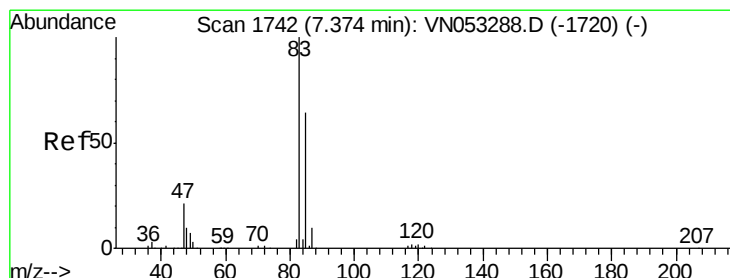
7.21

300000

200000

100000

0



#30

Chloroform

Concen: 47.445 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053319.D

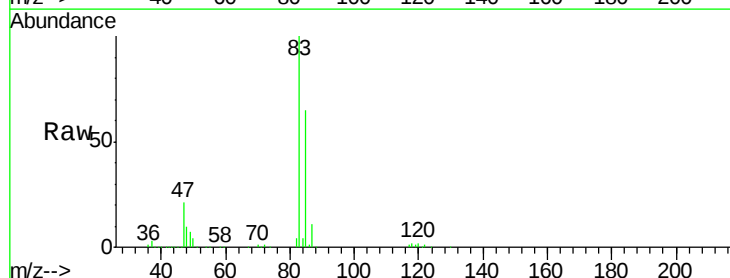
Acq: 9 Jan 2019 9:07

Tgt Ion: 83 Resp: 990036

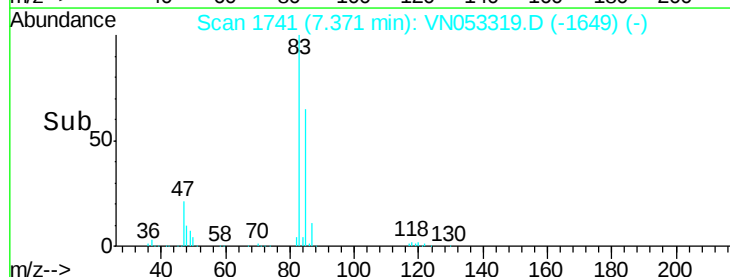
Ion Ratio Lower Upper

83 100

85 65.4 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN053319.D (-1649) (-)



Ion 84.90 (84.60 to 85.60): VN053319.D (-1649) (-)

Time-->

7.37

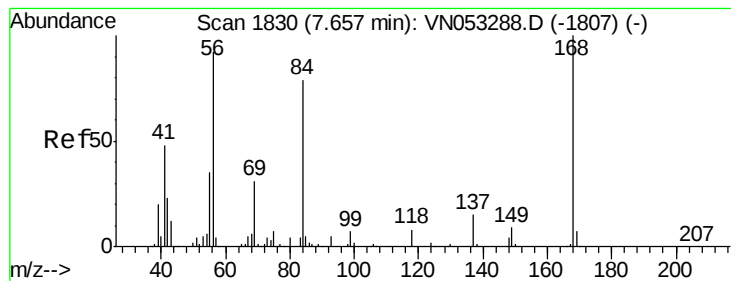
400000

300000

200000

100000

0



#31

Cyclohexane

Concen: 46.932 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

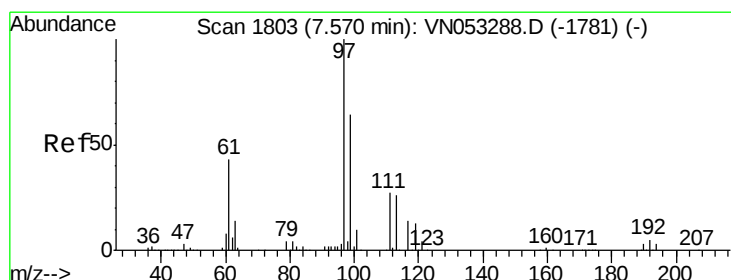
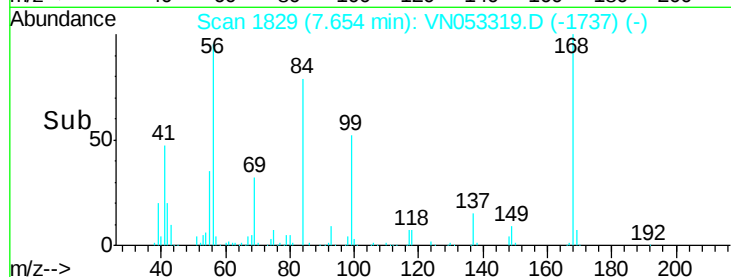
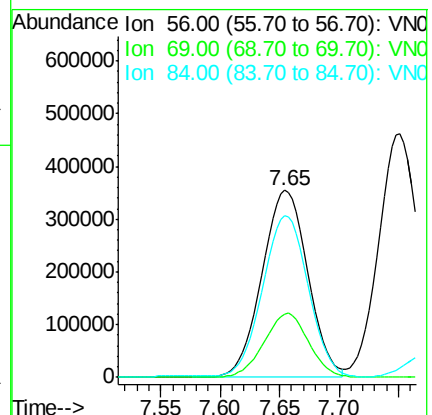
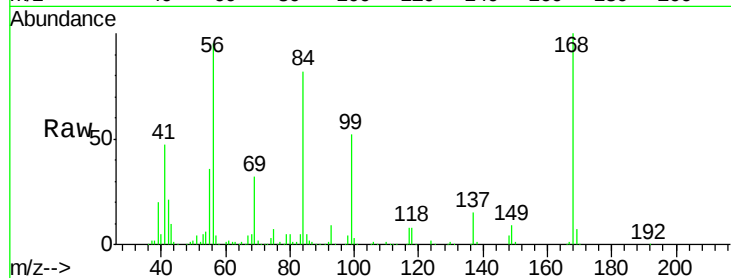
Tot Ion: 56 Resp: 945745

Ion Ratio Lower Upper

56 100

69 34.0 26.7 40.1

84 85.3 68.2 102.4



#32

1,1,1-Trichloroethane

Concen: 47.656 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

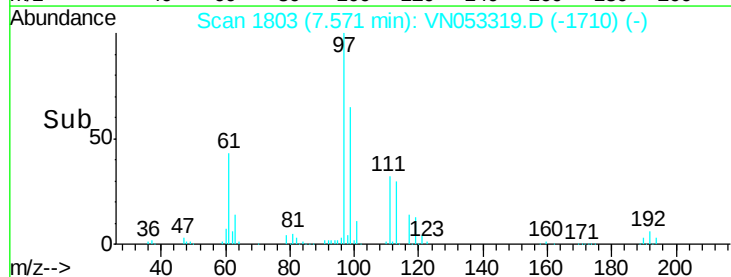
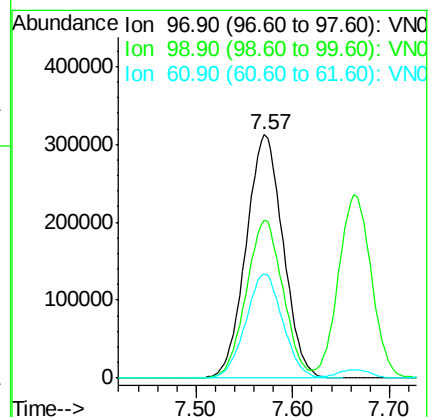
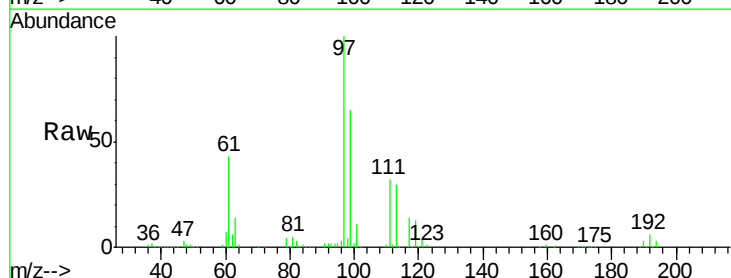
Tgt Ion: 97 Resp: 828666

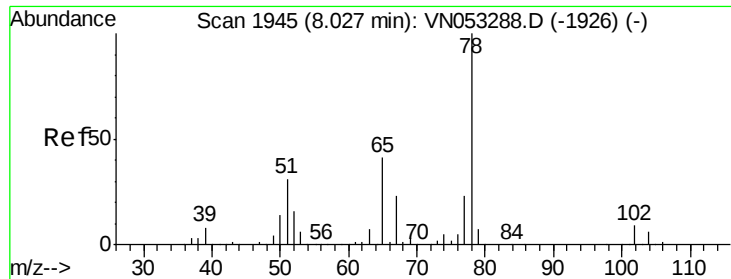
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 42.9 34.6 52.0

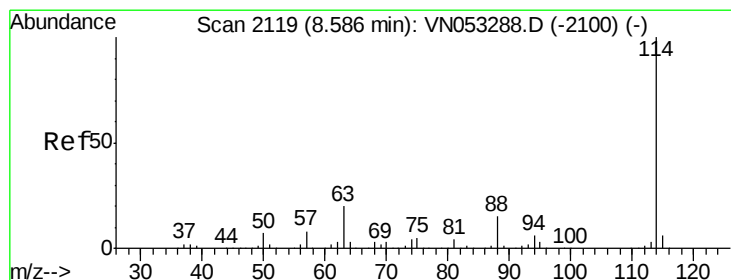
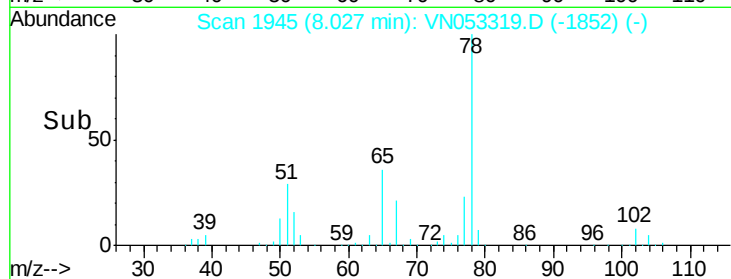
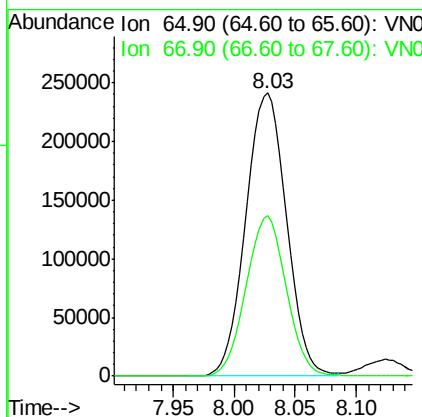
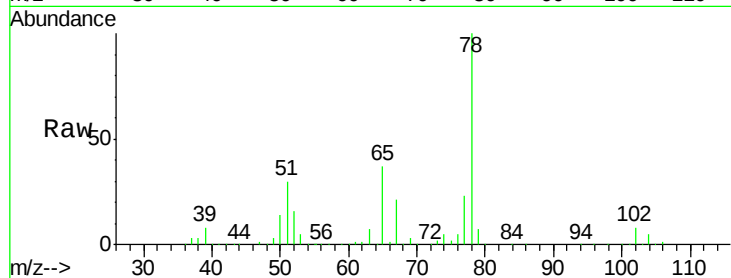




#33
 1,2-Dichloroethane-d4
 Concen: 47.656 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

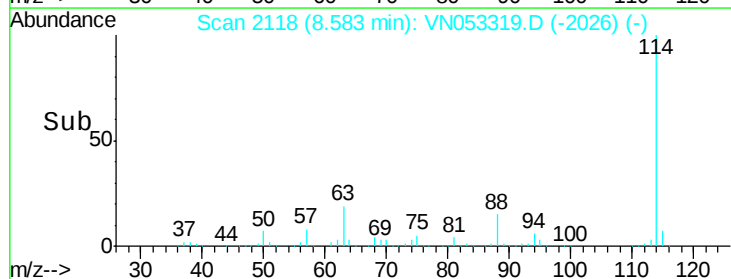
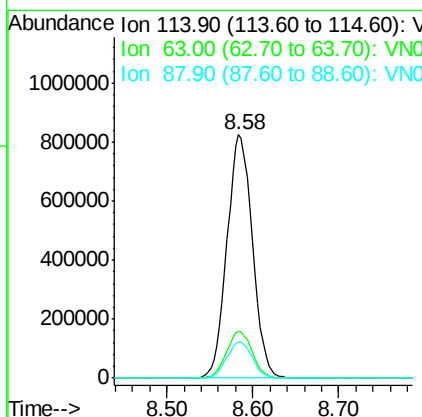
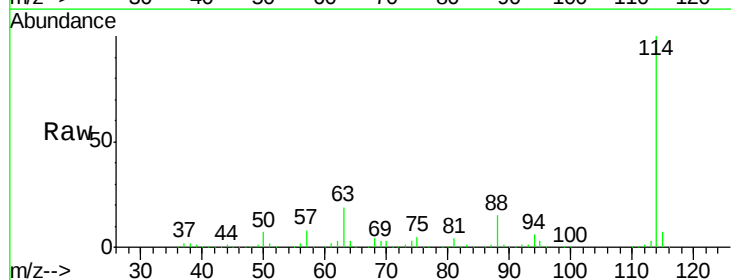
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

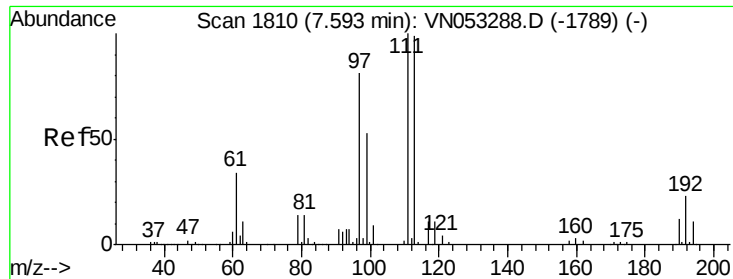
Tot Ion: 65 Resp: 558820
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion: 114 Resp: 1692317
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.0 0.0 30.8

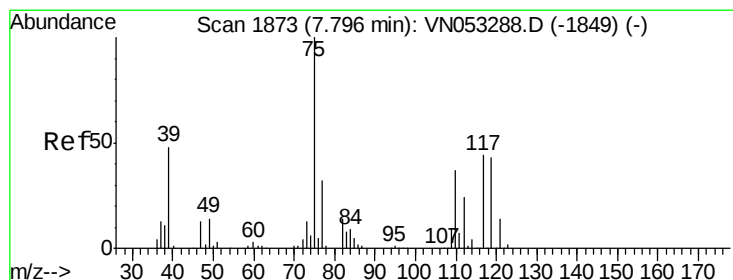
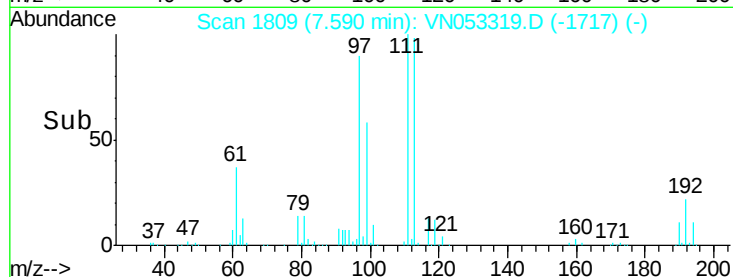
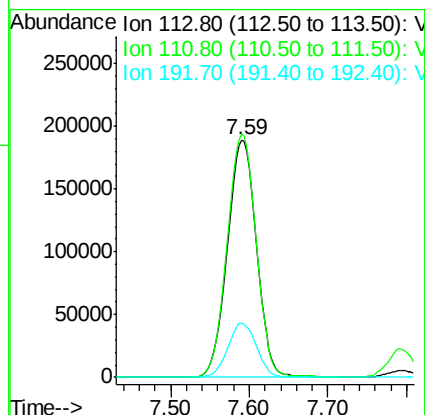
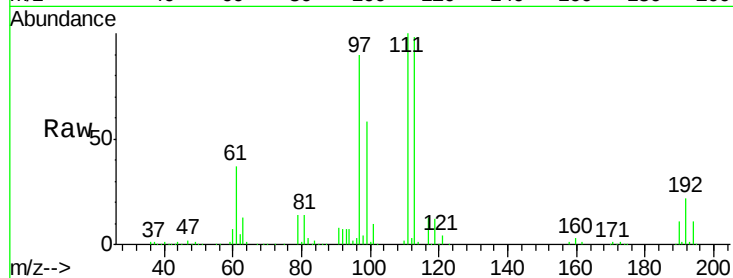




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

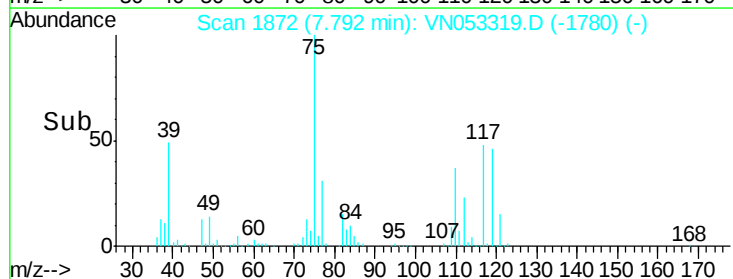
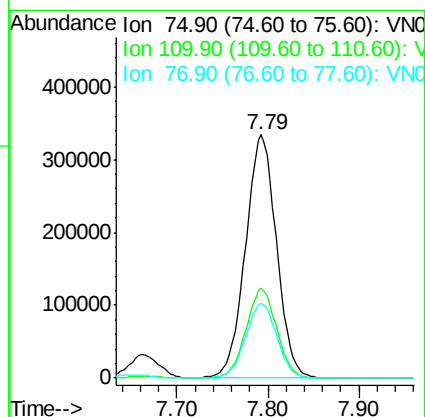
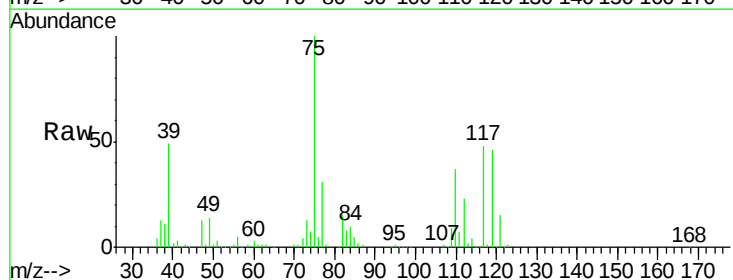
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

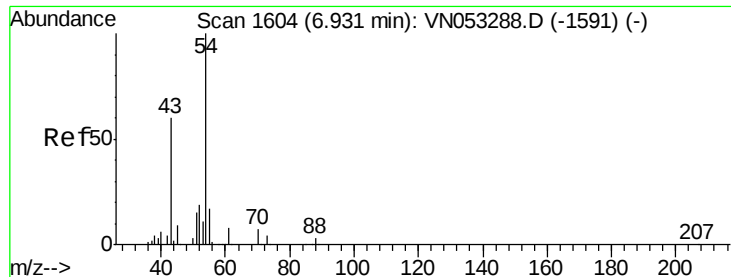
Tot Ion:113 Resp: 483405
Ion Ratio Lower Upper
113 100
111 101.7 81.4 122.2
192 22.6 17.9 26.9



#36
1,1-Dichloropropene
Concen: 49.886 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 75 Resp: 788144
Ion Ratio Lower Upper
75 100
110 36.5 18.4 55.0
77 31.3 25.3 37.9

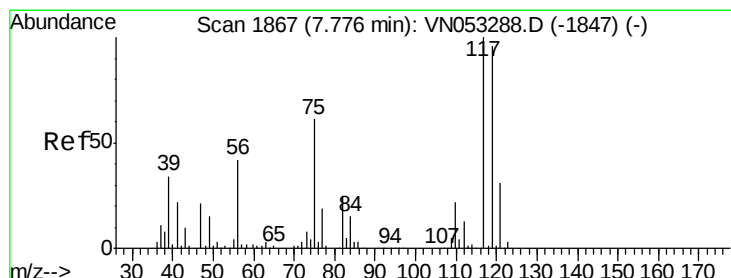
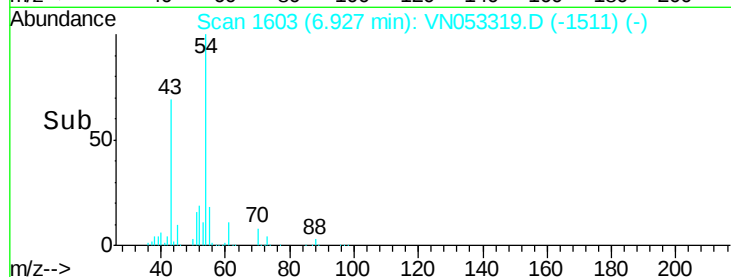
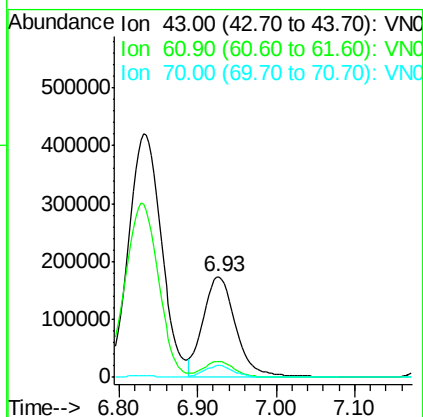
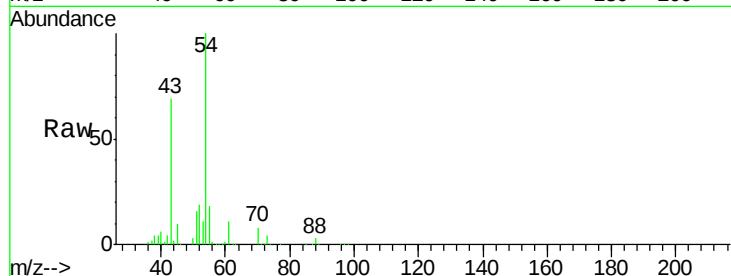




#37
Ethyl Acetate
Concen: 48.189 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

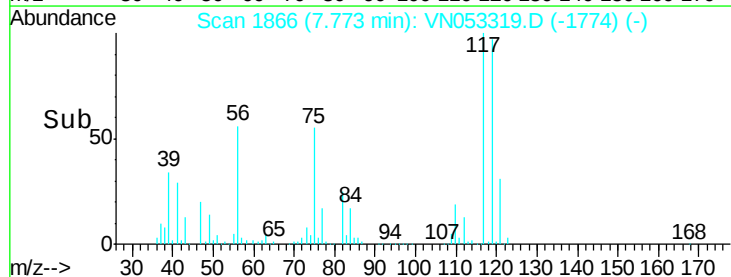
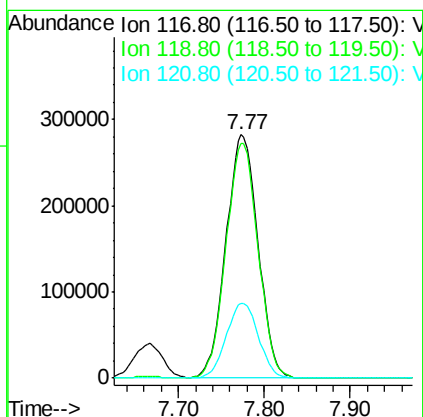
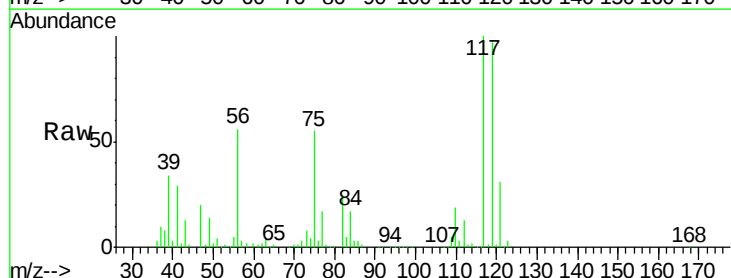
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

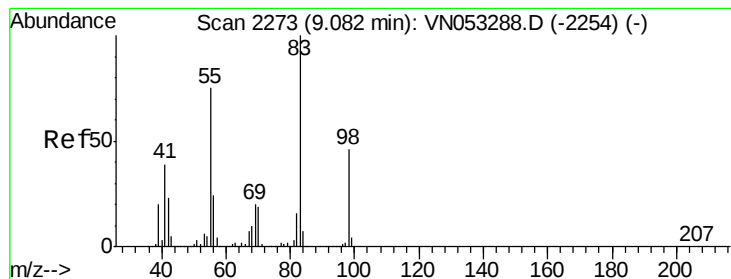
Tot Ion: 43 Resp: 495906
Ion Ratio Lower Upper
43 100
61 14.8 11.9 17.9
70 10.9 8.6 13.0



#38
Carbon Tetrachloride
Concen: 49.943 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 117 Resp: 728298
Ion Ratio Lower Upper
117 100
119 96.6 76.6 115.0
121 31.0 25.0 37.4

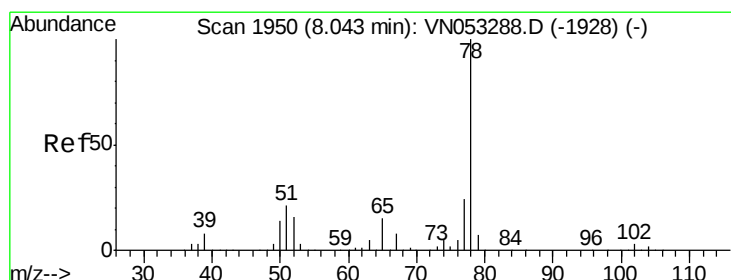
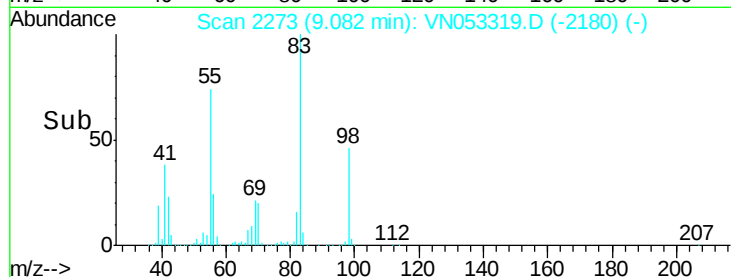
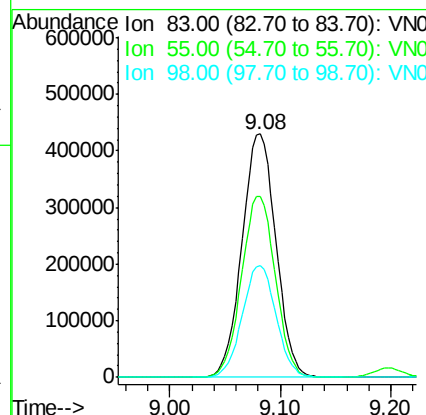
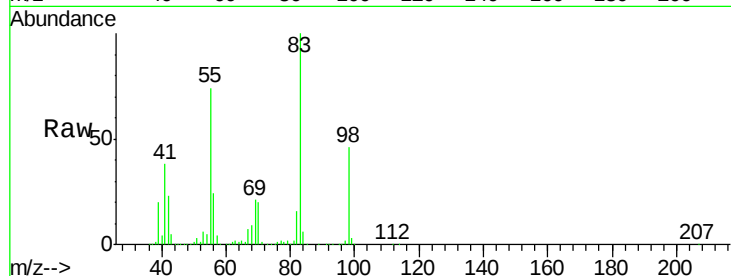




#39
Methvlcvclohexane
Concen: 50.194 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

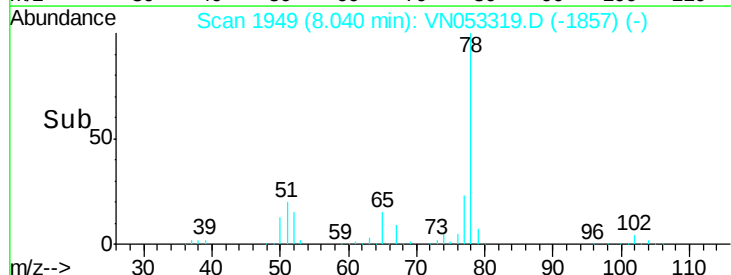
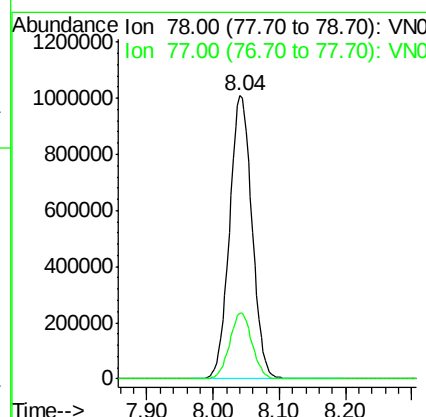
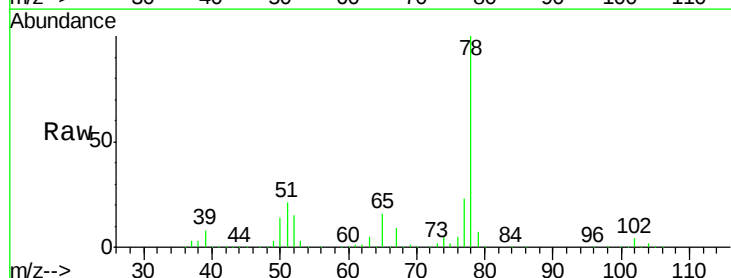
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

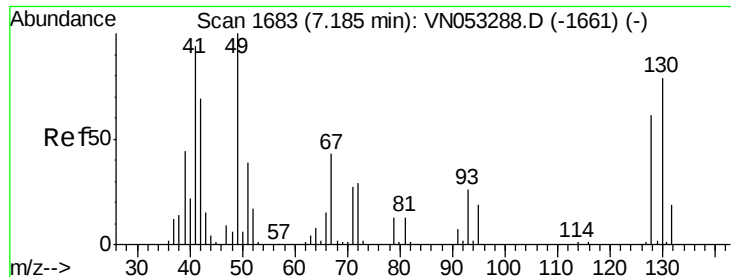
Tot Ion: 83 Resp: 918715
Ion Ratio Lower Upper
83 100
55 74.3 60.1 90.1
98 45.8 36.7 55.1



#40
Benzene
Concen: 49.101 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 78 Resp: 2369590
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4

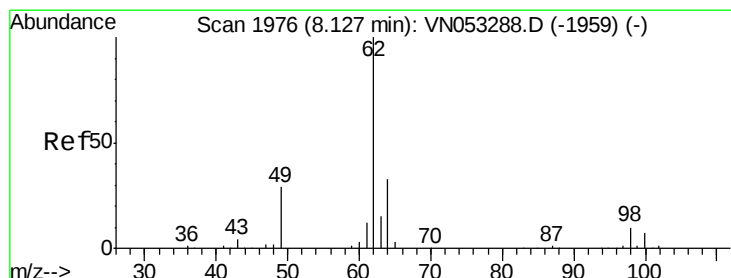
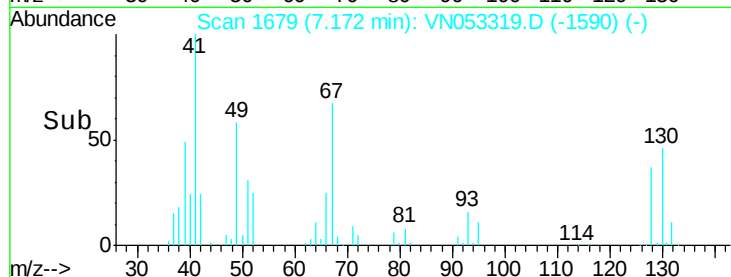
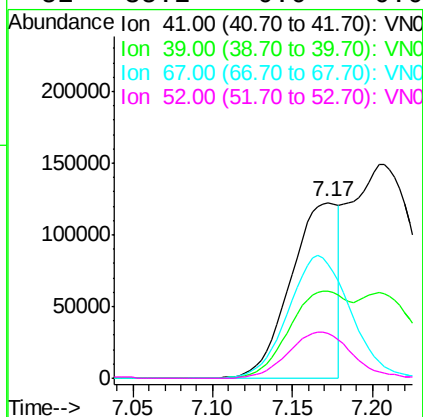
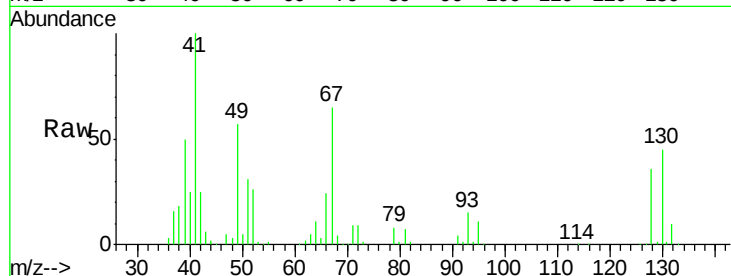




#41
Methacrylonitrile
Concen: 39.675 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

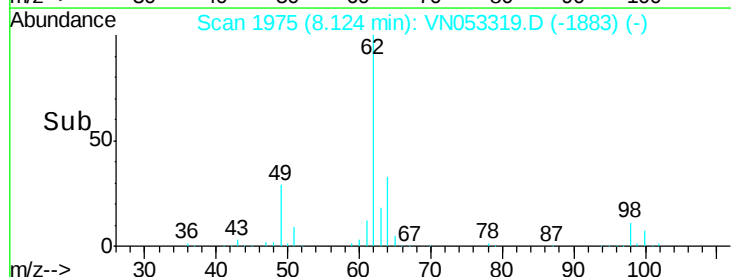
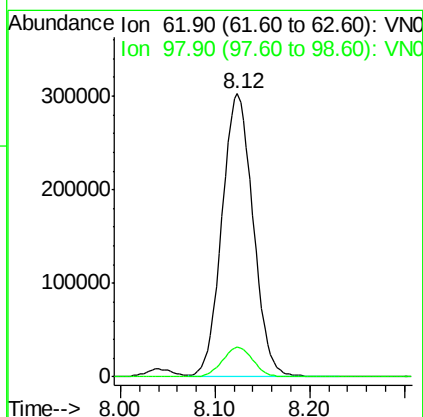
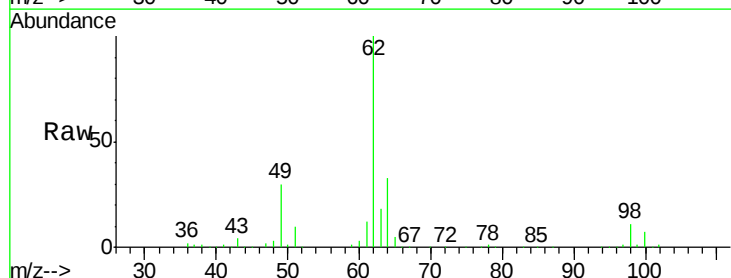
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

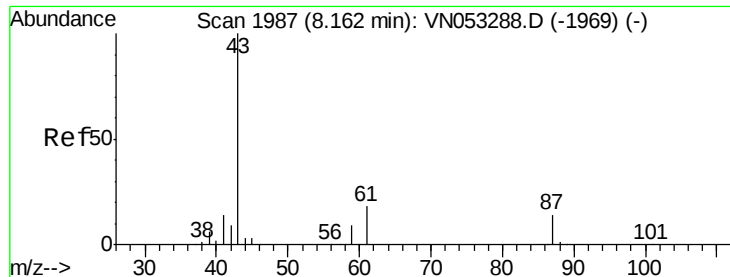
Tot Ion: 41 Resp: 253482
Ion Ratio Lower Upper
41 100
39 63.2 0.0 0.0#
67 92.0 0.0 0.0#
52 35.2 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 48.274 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 62 Resp: 691045
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.2





#43

Isopropyl Acetate

Concen: 43.945 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

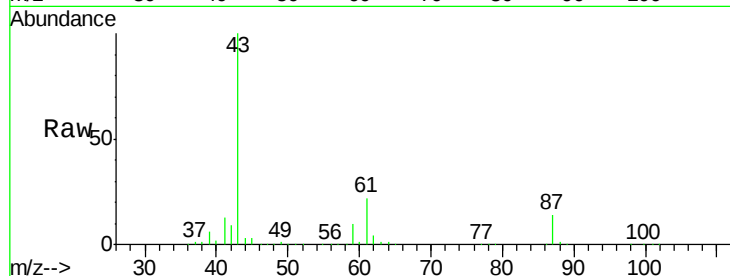
Tot Ion: 43 Resp: 889636

Ion Ratio Lower Upper

43 100

61 29.8 23.3 34.9

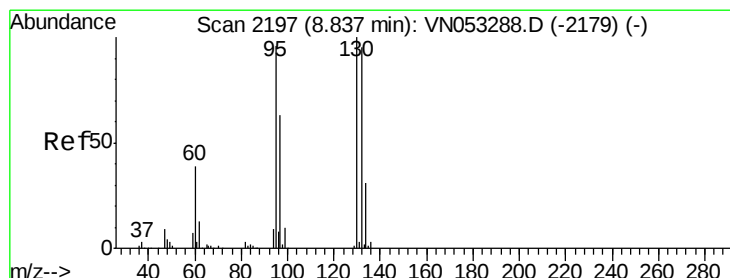
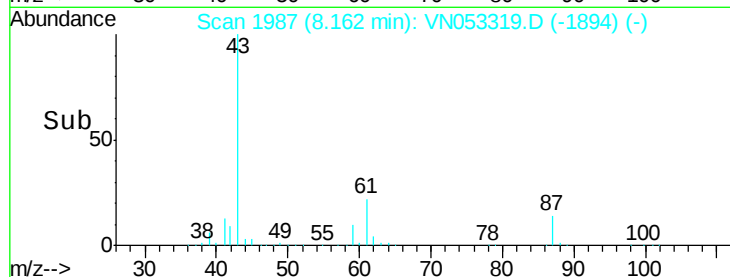
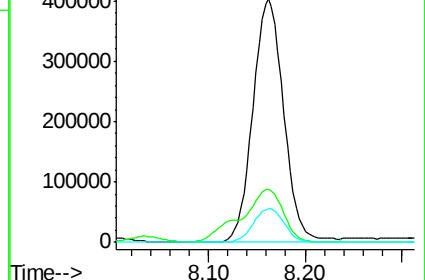
87 13.9 10.8 16.2



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) (-)



#44

Trichloroethene

Concen: 49.564 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053319.D

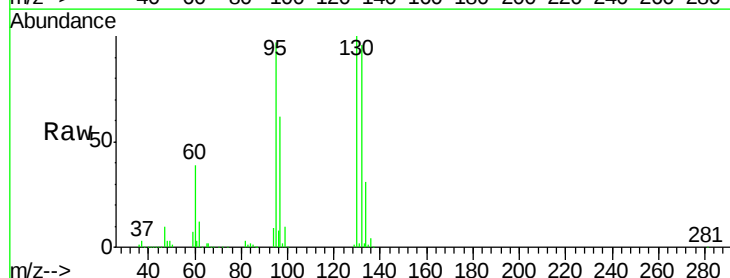
Acq: 9 Jan 2019 9:07

Tgt Ion:130 Resp: 656796

Ion Ratio Lower Upper

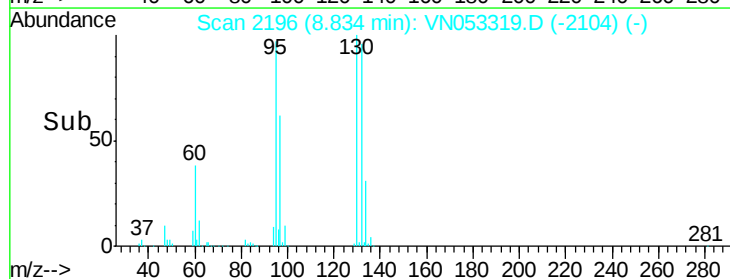
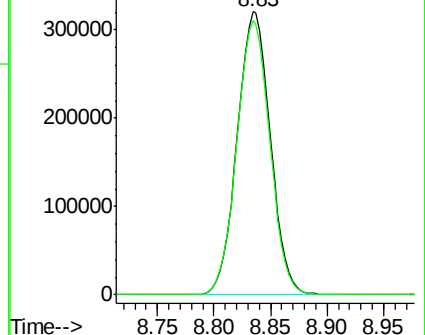
130 100

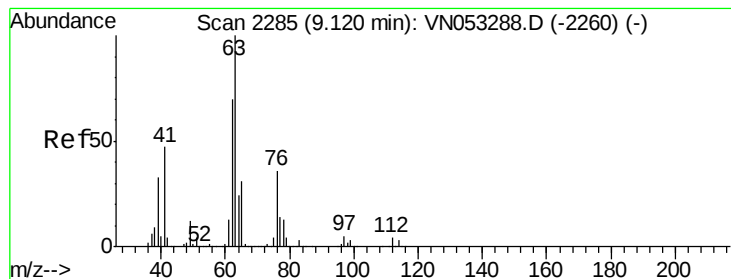
95 97.1 0.0 191.8



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

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





#45

1,2-Dichloropropane

Concen: 49.330 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

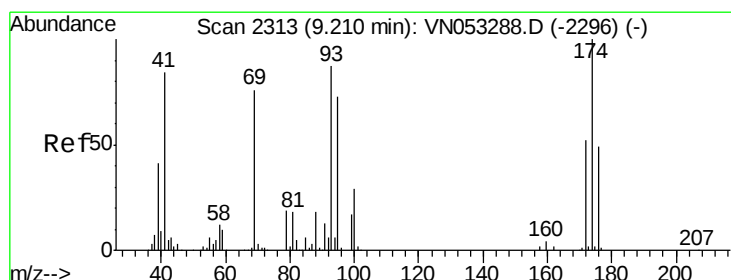
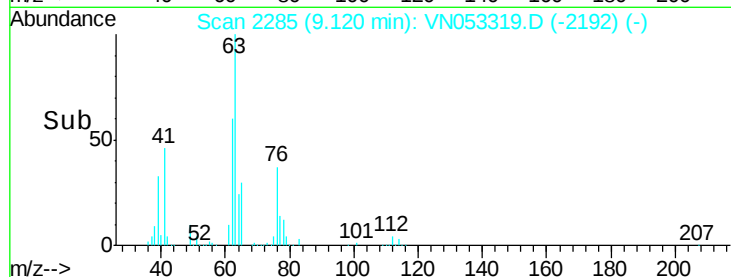
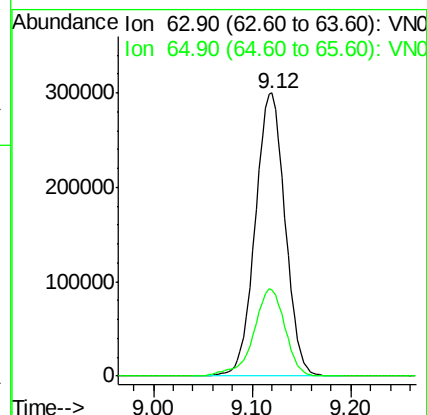
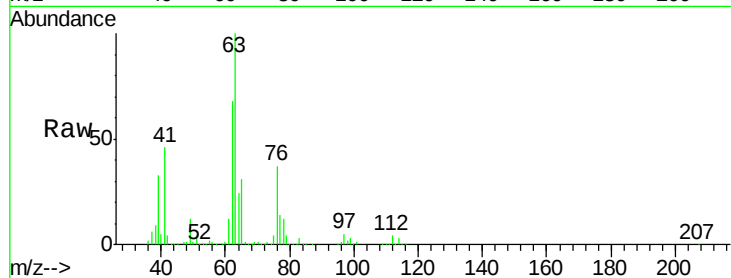
VSTDCCC050

Tot Ion: 63 Resp: 624387

Ion Ratio Lower Upper

63 100

65 30.6 25.0 37.6



#46

Dibromomethane

Concen: 49.024 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

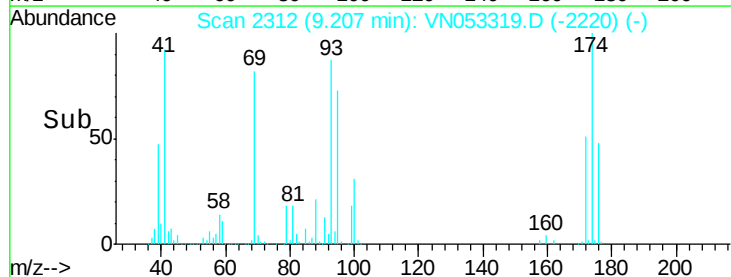
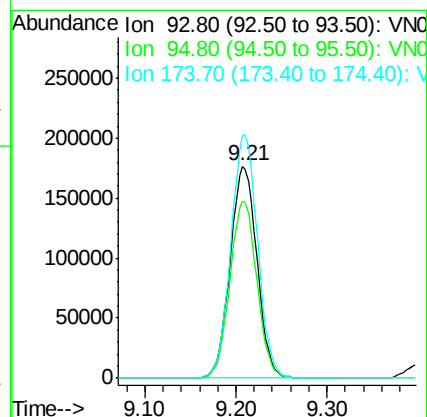
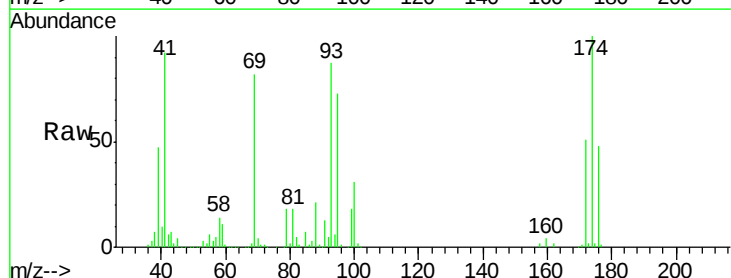
Tgt Ion: 93 Resp: 361803

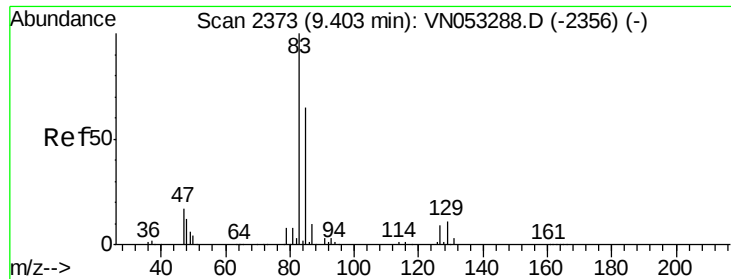
Ion Ratio Lower Upper

93 100

95 83.6 66.6 100.0

174 114.3 91.4 137.0





#47

Bromodichloromethane

Concen: 49.755 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

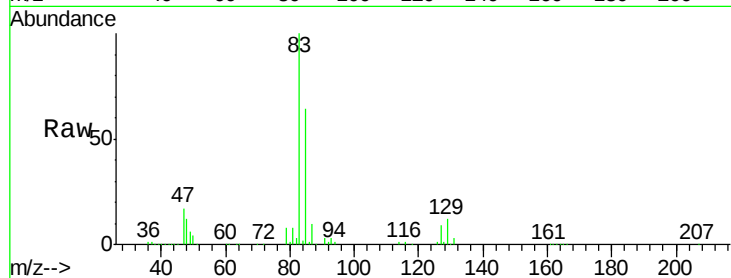
Tot Ion: 83 Resp: 765219

Ion Ratio Lower Upper

83 100

85 63.6 51.7 77.5

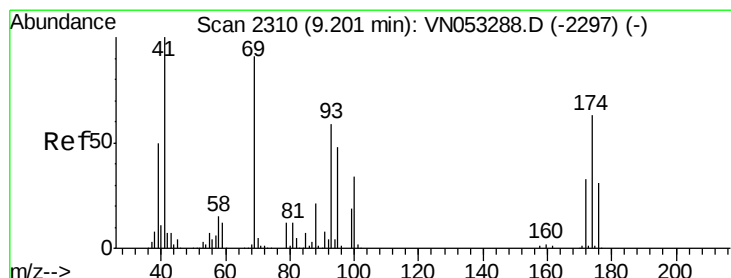
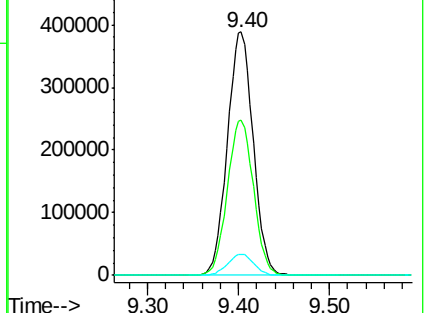
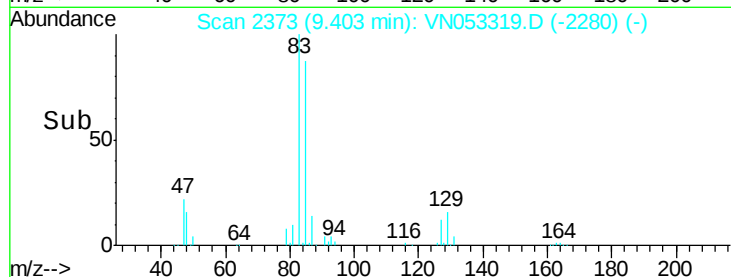
127 8.7 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053319.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053319.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053319.D (-2280) (-)



#48

Methyl methacrylate

Concen: 48.301 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

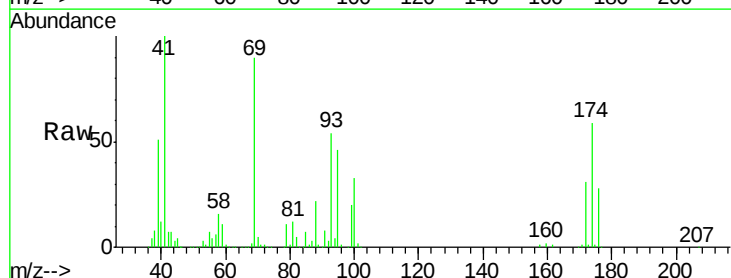
Tgt Ion: 41 Resp: 444238

Ion Ratio Lower Upper

41 100

69 93.8 73.5 110.3

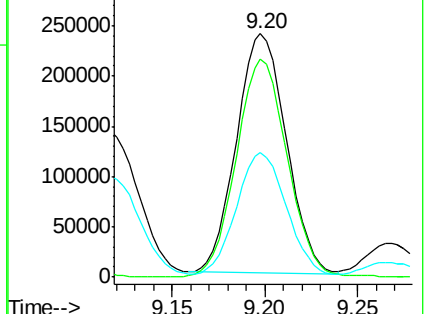
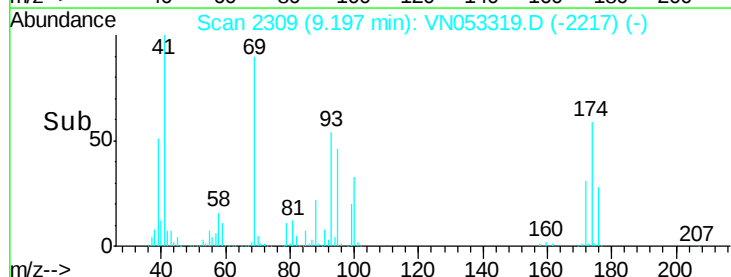
39 52.9 41.6 62.4

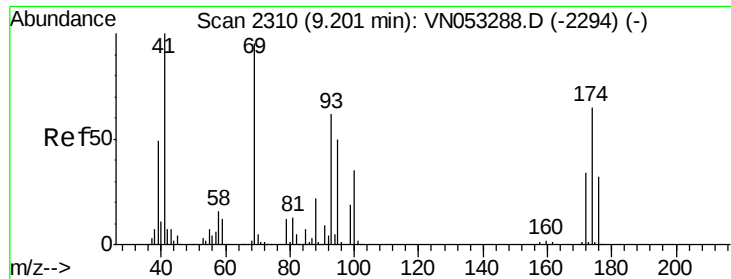


Abundance Ion 41.00 (40.70 to 41.70): VN053319.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN053319.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN053319.D (-2217) (-)

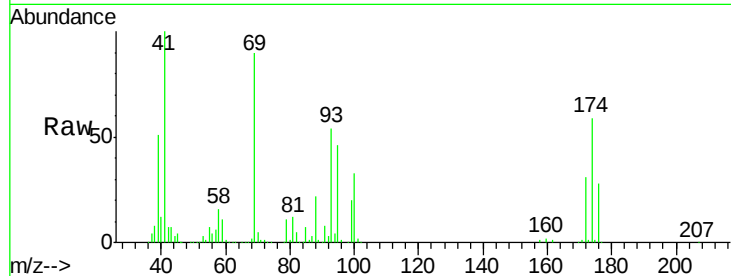




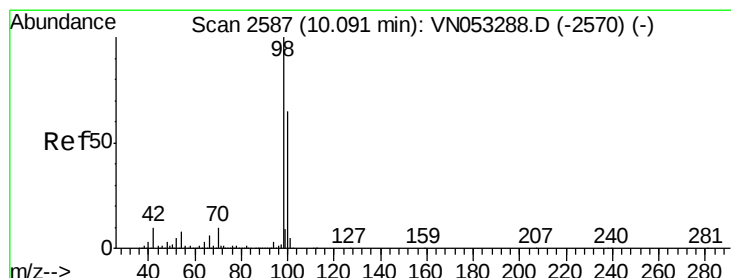
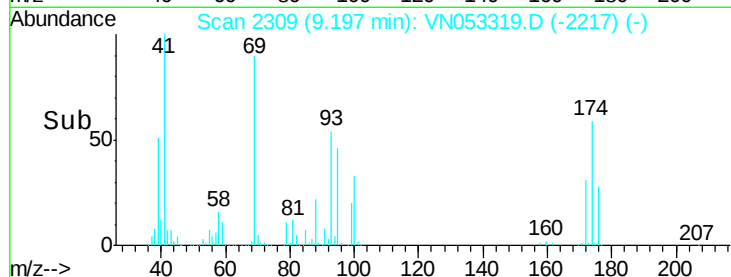
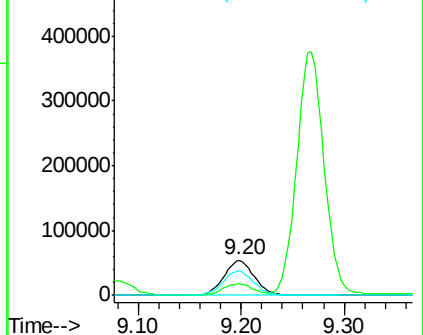
#49
1,4-Dioxane
Concen: 1136.473 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 111364
Ion Ratio Lower Upper
88 100
43 31.7 26.2 39.4
58 69.4 55.5 83.3

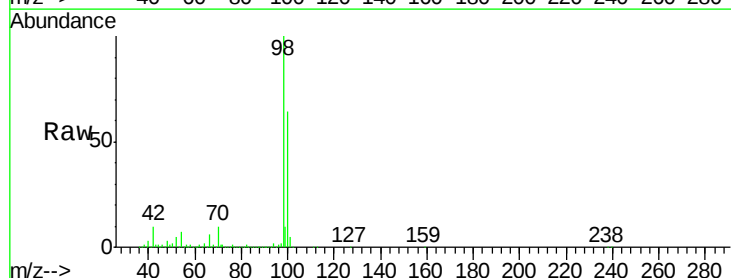


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

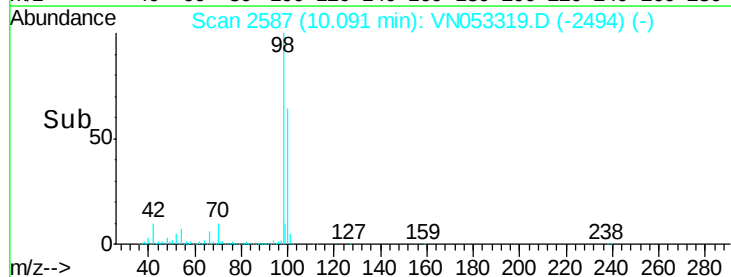
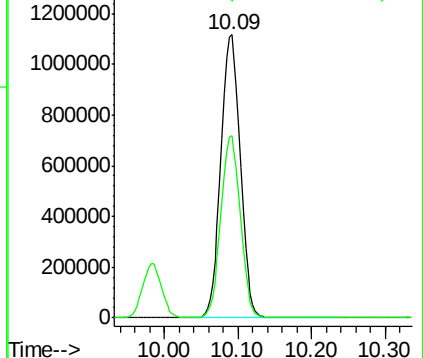


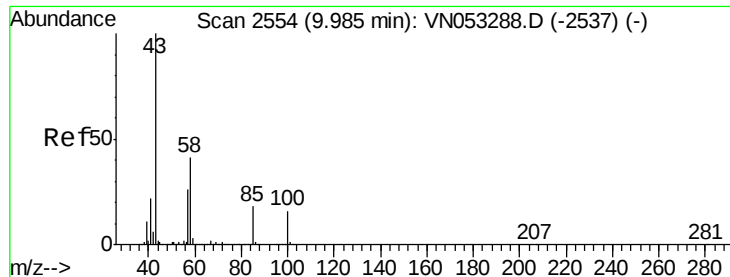
#50
Toluene-d8
Concen: 1136.473 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 98 Resp: 2056365
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



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

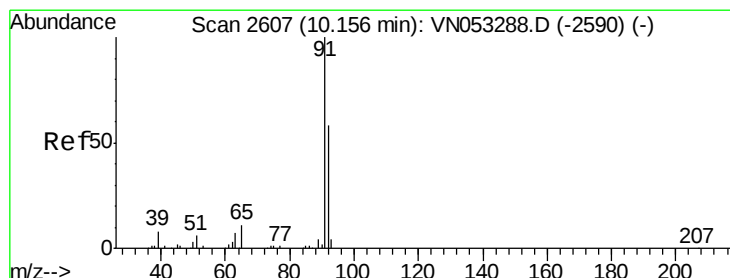
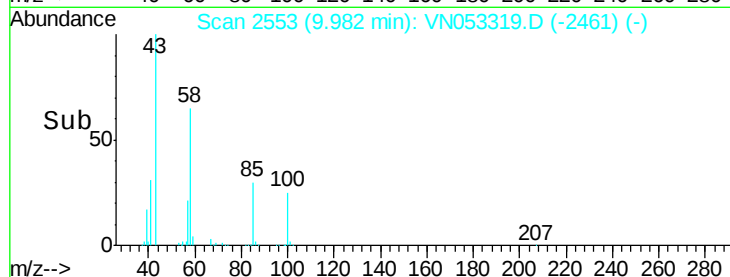
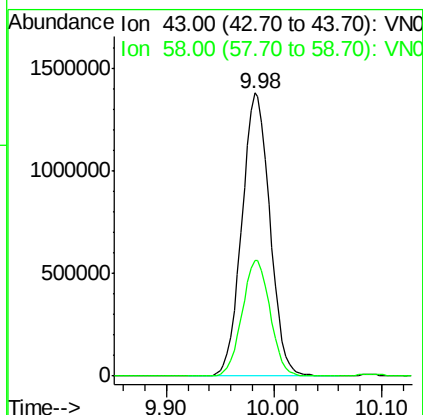
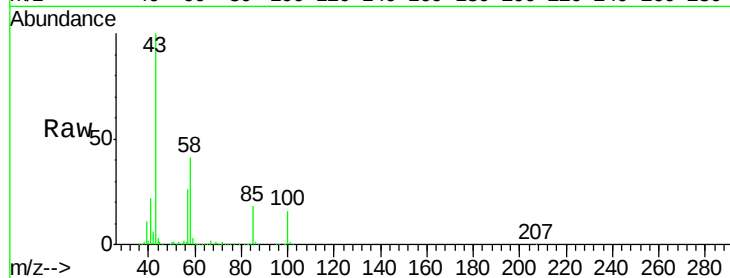




#51
 4-Methyl-2-Pentanone
 Concen: 244.132 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

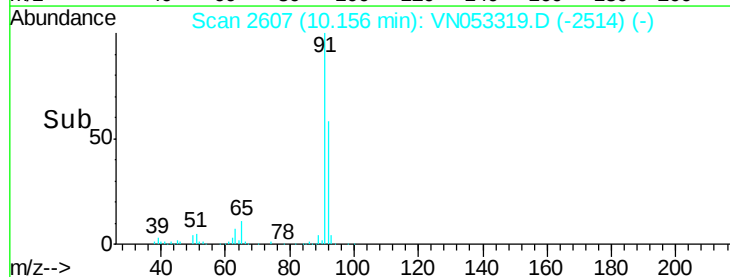
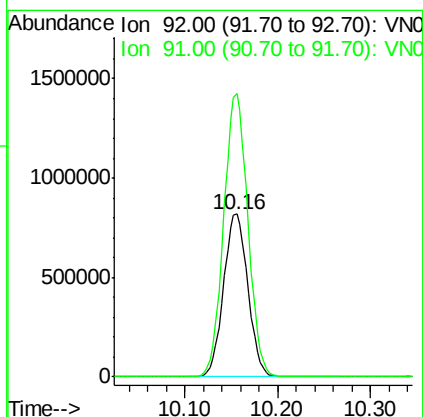
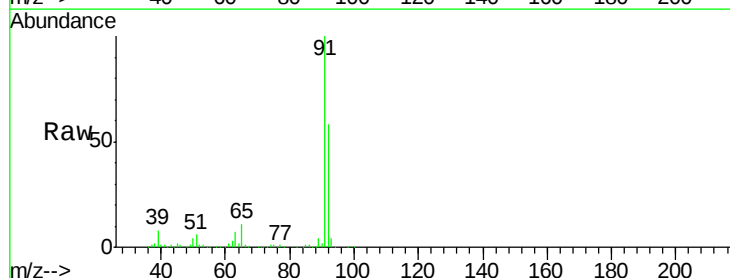
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

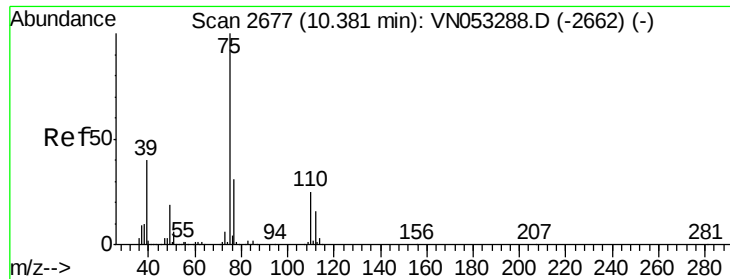
Tot Ion: 43 Resp: 2485402
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.7 49.1



#52
 Toluene
 Concen: 50.101 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion: 92 Resp: 1483358
 Ion Ratio Lower Upper
 92 100
 91 173.5 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 51.426 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

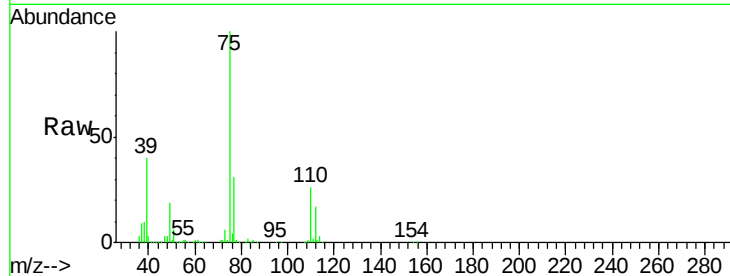
VSTDCCC050

Tot Ion: 75 Resp: 809094

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

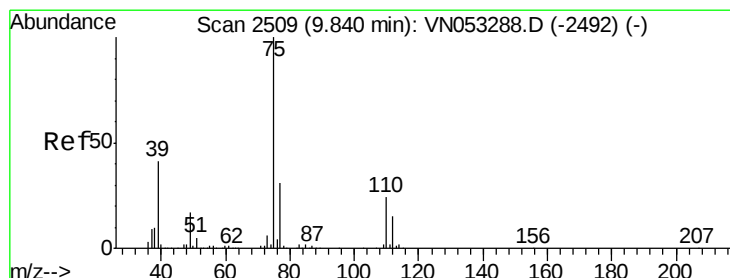
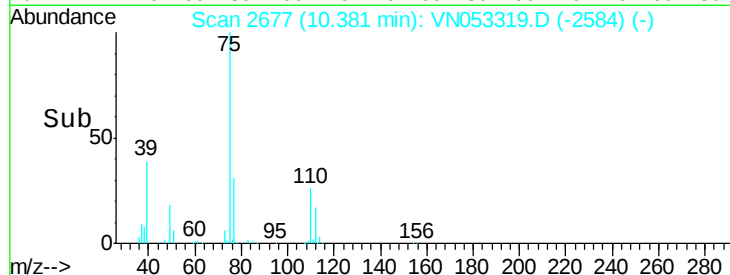
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.077 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

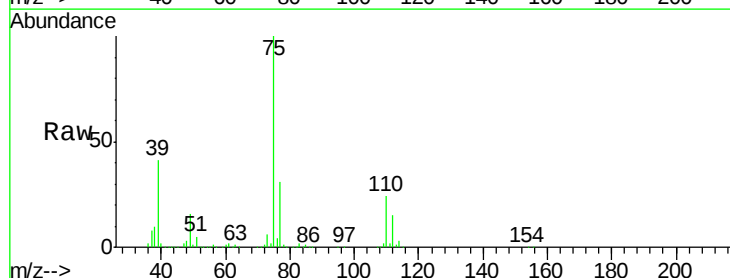
Tgt Ion: 75 Resp: 928617

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 41.0 33.1 49.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

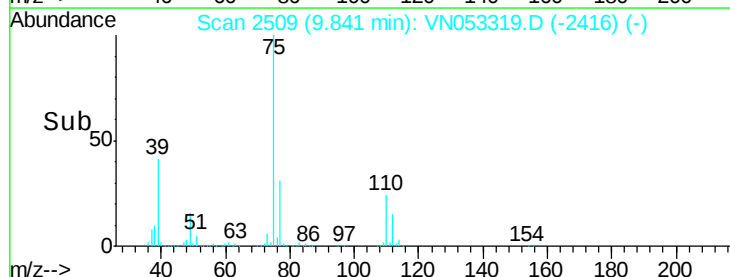
600000

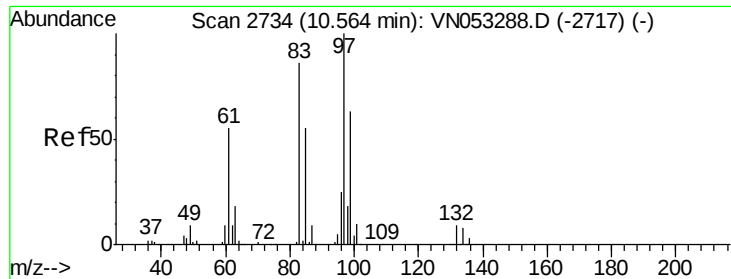
400000

200000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.288 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

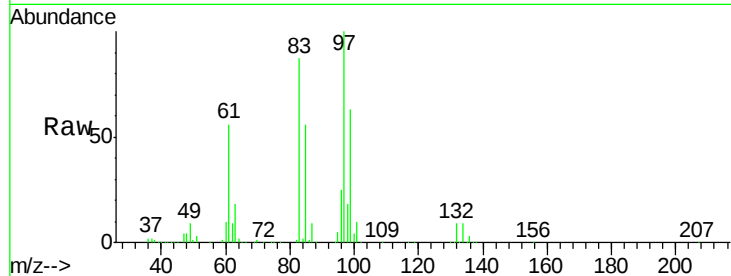
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 525689

Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.1	103.7
85	55.8	44.2	66.4
99	63.0	50.3	75.5



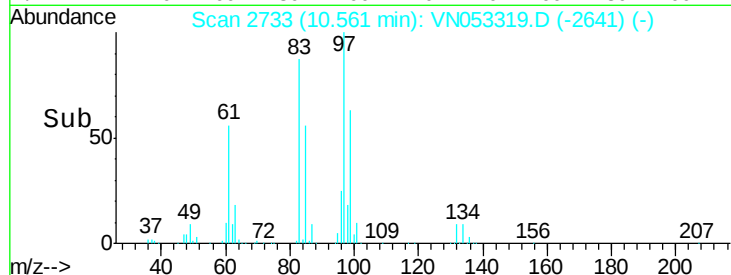
Abundance

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



Time-->

10.56

400000

300000

200000

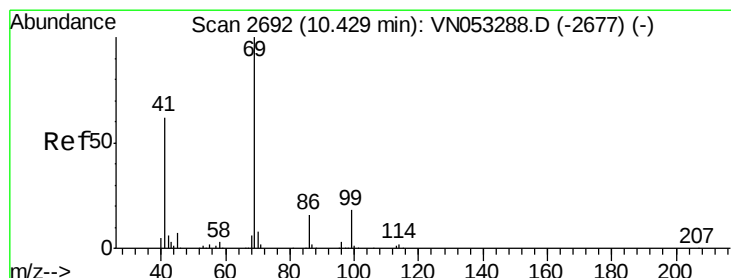
100000

0

10.50 10.55 10.60

10.50 10.55 10.60

10.50 10.55 10.60



#56

Ethyl methacrylate

Concen: 51.045 ug/l

RT: 10.43 min Scan# 2692

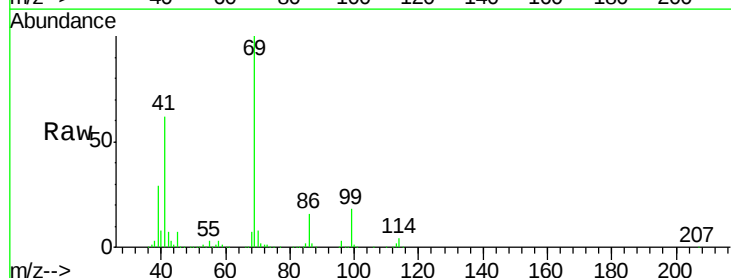
Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Tgt Ion: 69 Resp: 722137

Ion	Ratio	Lower	Upper
69	100		
41	62.4	49.2	73.8
39	28.4	23.4	35.0

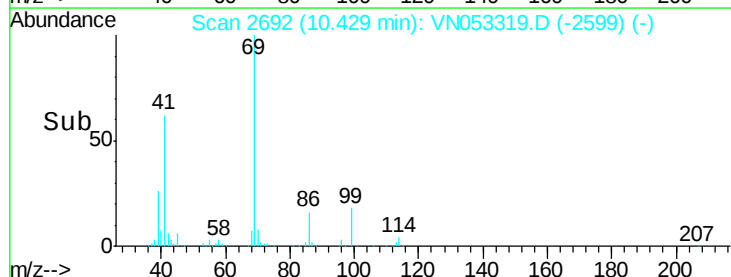


Abundance

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



Time-->

10.43

600000

500000

400000

300000

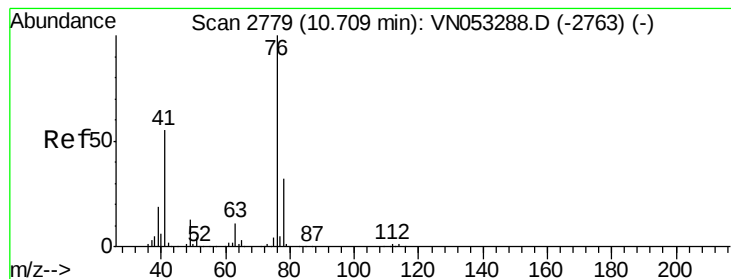
200000

100000

0

10.40 10.45 10.50

10.40 10.45 10.50



#57

1,3-Dichloropropane

Concen: 49.409 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

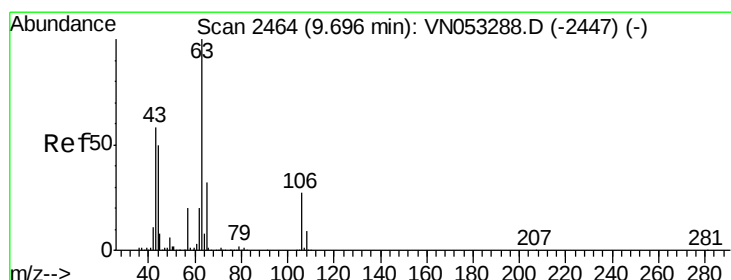
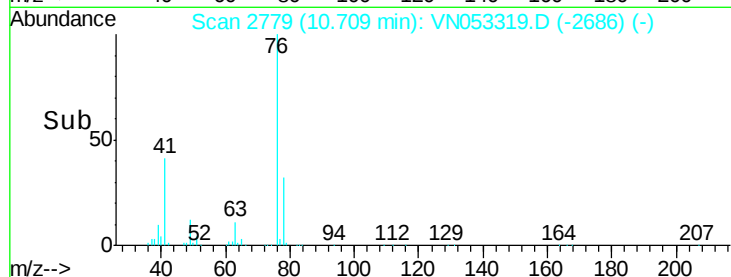
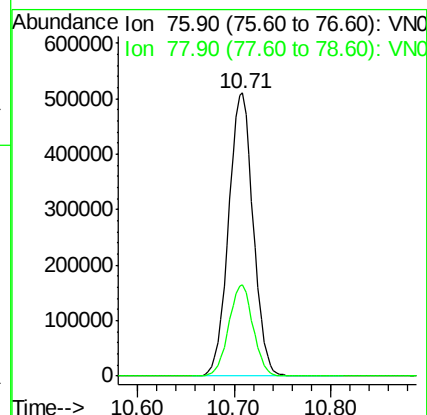
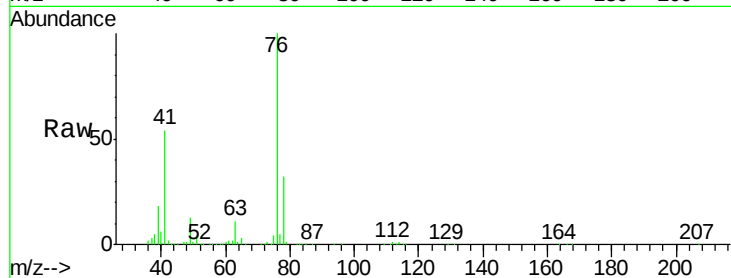
VSTDCCC050

Tot Ion: 76 Resp: 899511

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 245.725 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053319.D

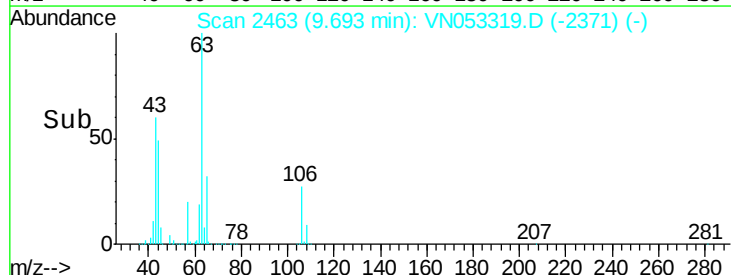
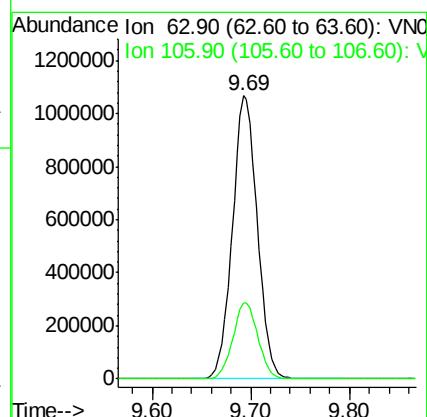
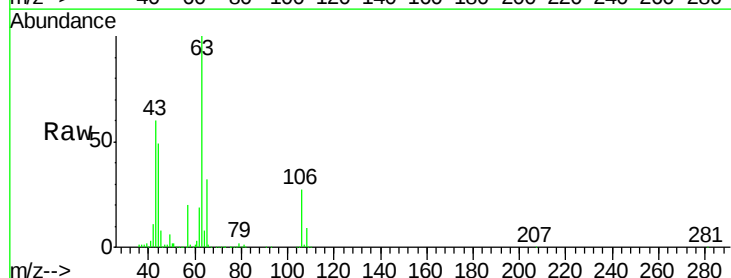
Acq: 9 Jan 2019 9:07

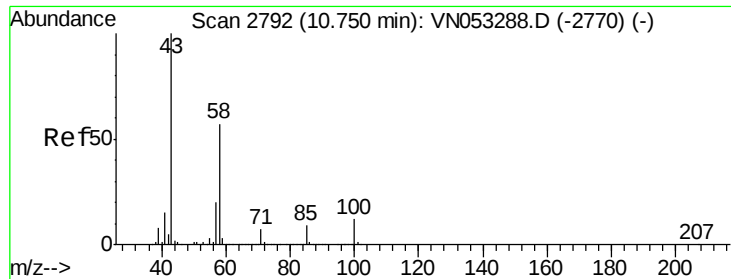
Tgt Ion: 63 Resp: 1879361

Ion Ratio Lower Upper

63 100

106 27.2 21.7 32.5

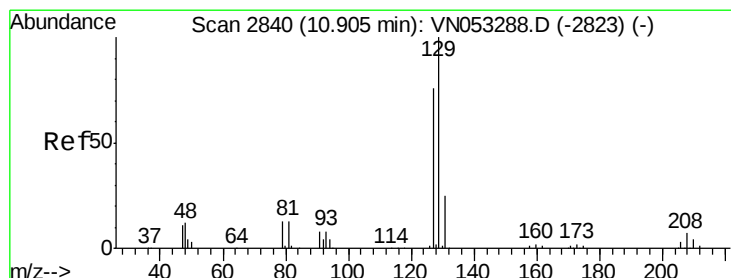
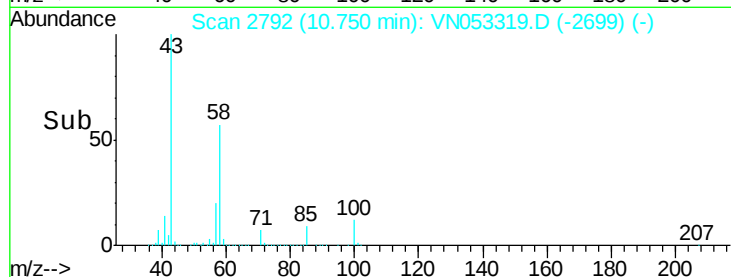
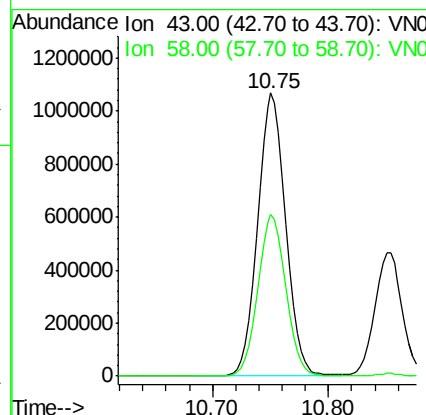
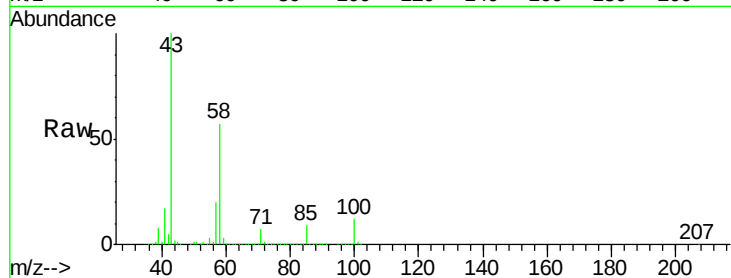




#59
2-Hexanone
Concen: 257.834 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

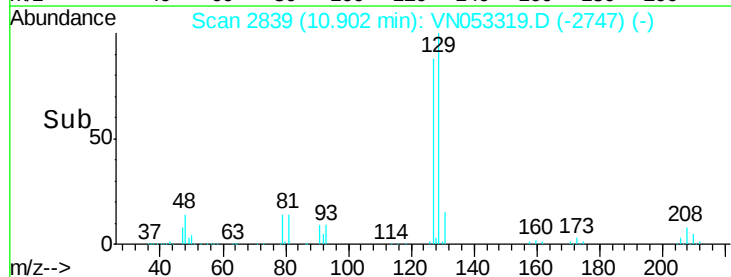
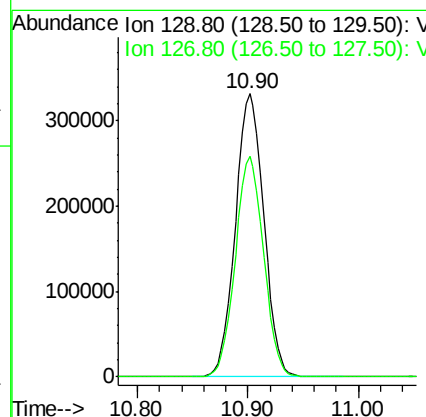
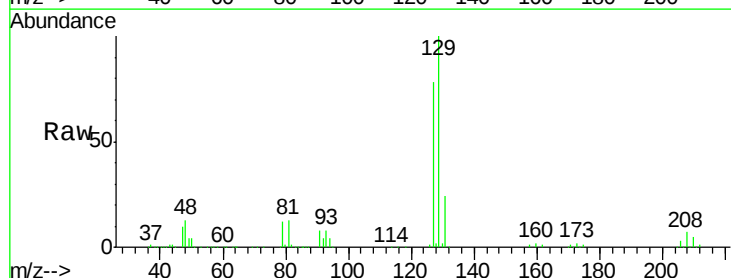
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

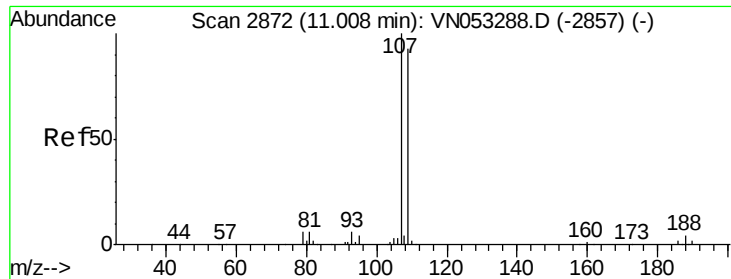
Tot Ion: 43 Resp: 1798478
Ion Ratio Lower Upper
43 100
58 57.3 28.3 85.0



#60
Dibromochloromethane
Concen: 50.594 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion:129 Resp: 594071
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.2

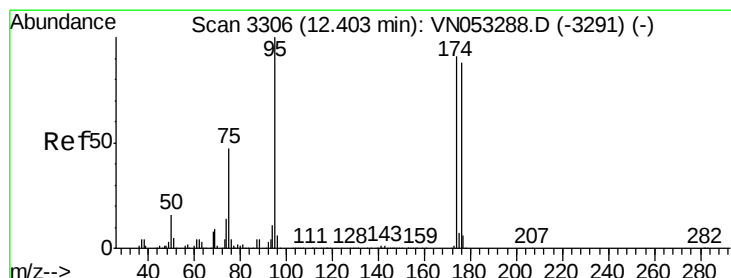
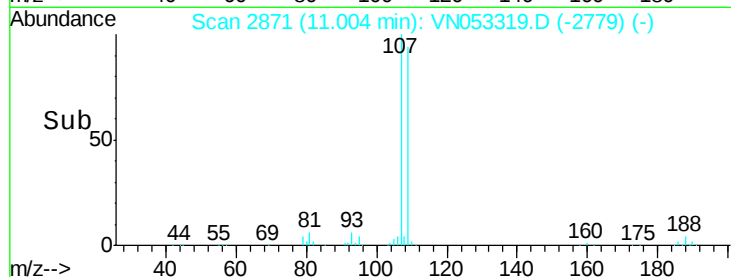
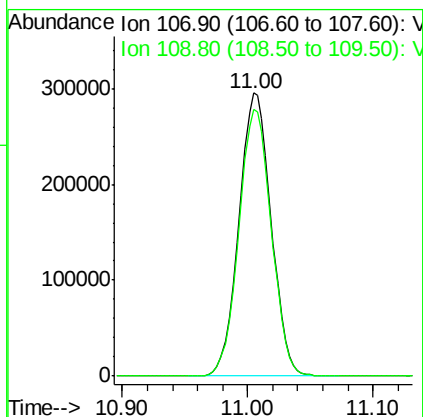
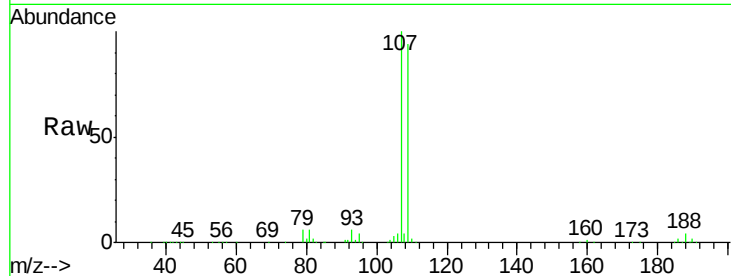




#61
 1,2-Dibromoethane
 Concen: 49.007 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

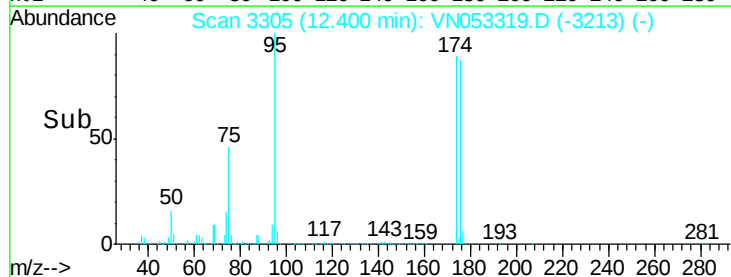
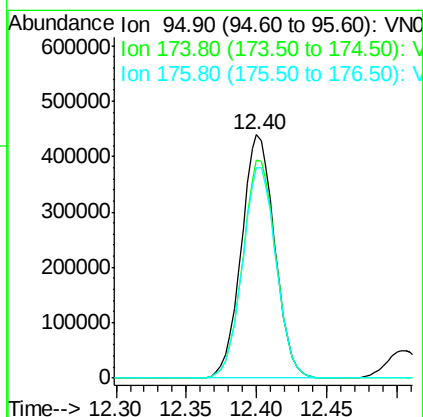
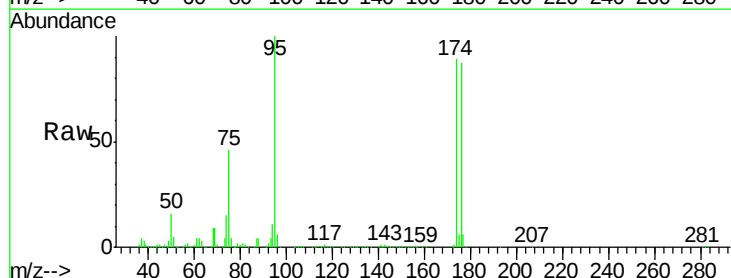
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

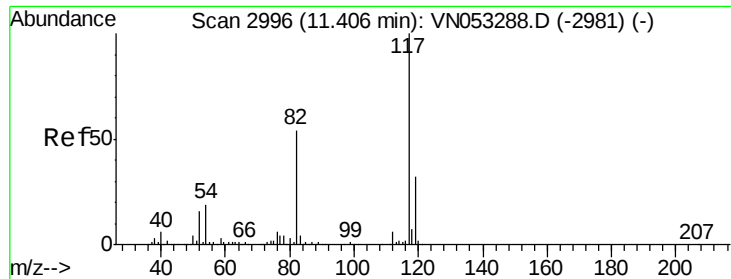
Tot Ion:107 Resp: 526482
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 49.007 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion: 95 Resp: 724250
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 180.4
 176 87.7 0.0 175.6

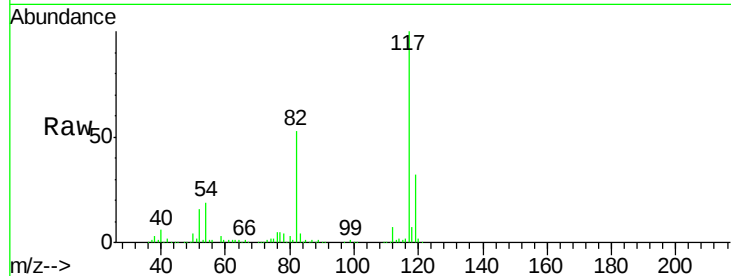




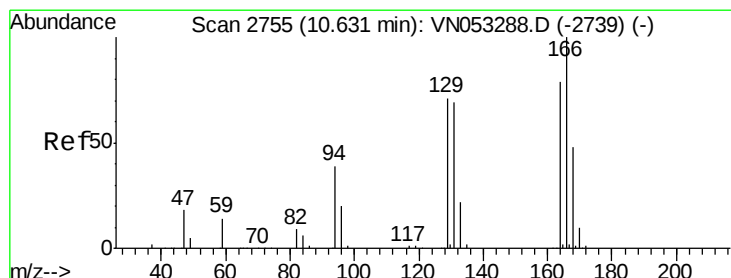
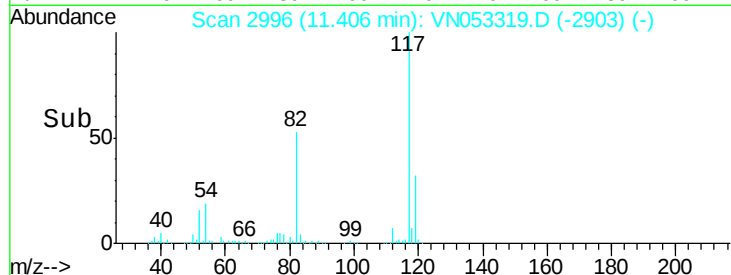
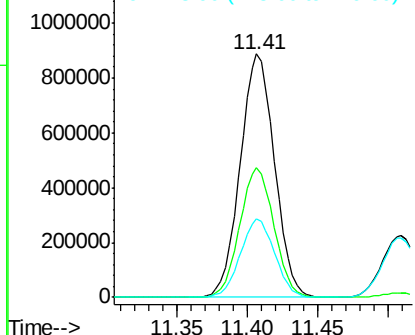
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1516923
Ion Ratio Lower Upper
117 100
82 53.1 42.9 64.3
119 32.0 25.6 38.4

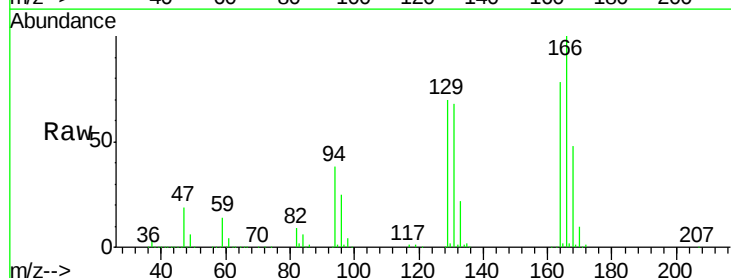


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

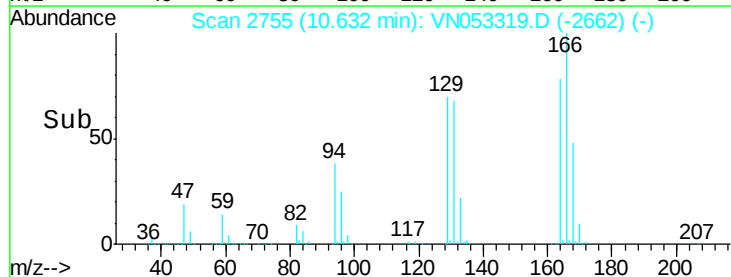
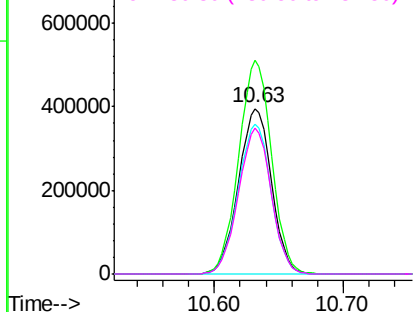


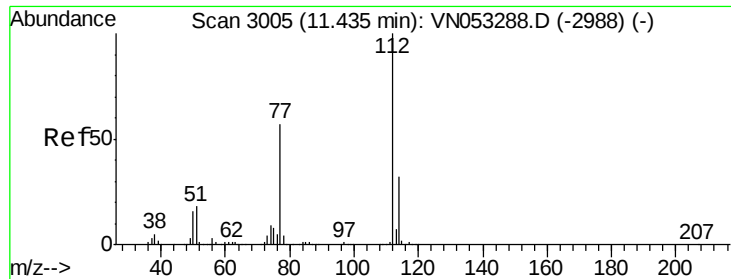
#64
Tetrachloroethene
Concen: 49.365 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion:164 Resp: 704795
Ion Ratio Lower Upper
164 100
166 129.0 101.7 152.5
129 90.8 72.1 108.1
131 88.0 69.9 104.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

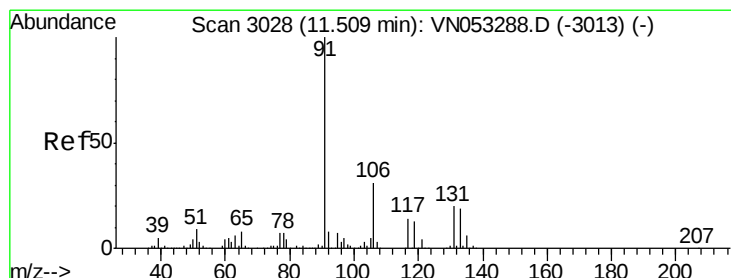
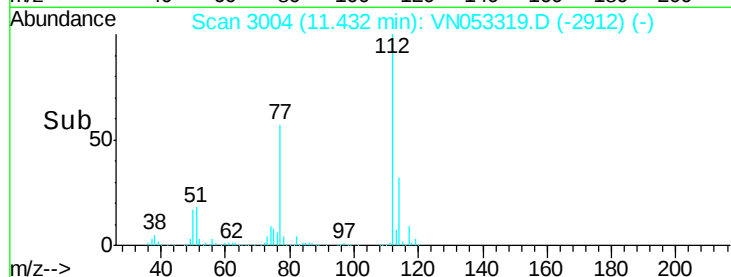
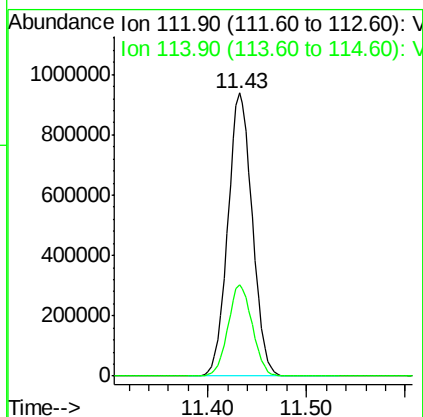
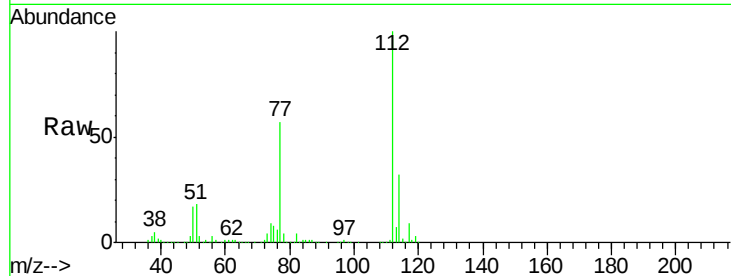




#65
Chlorobenzene
Concen: 49.243 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

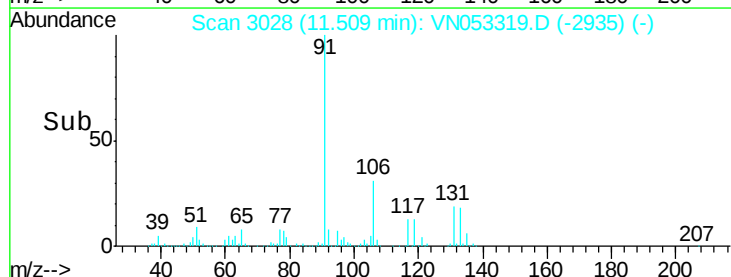
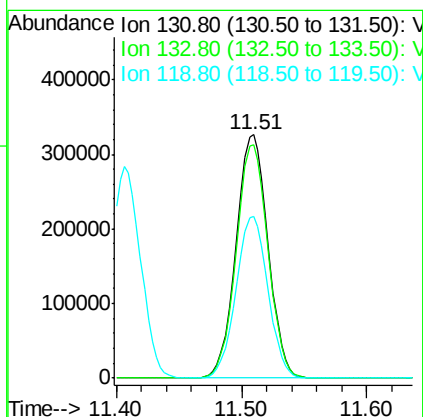
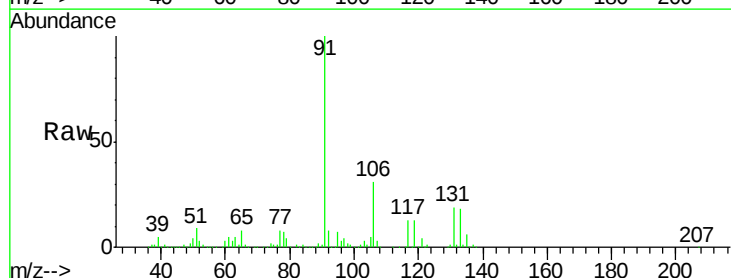
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

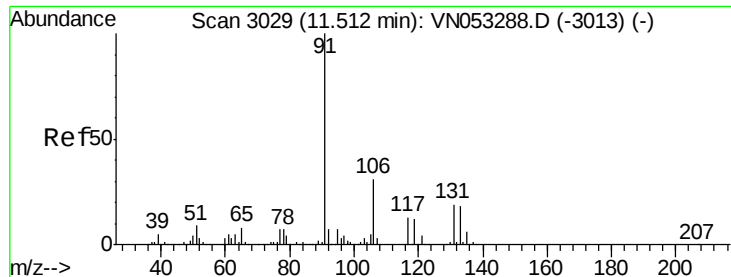
Tot Ion:112 Resp: 1622707
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.860 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion:131 Resp: 575088
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 66.5 33.3 99.9

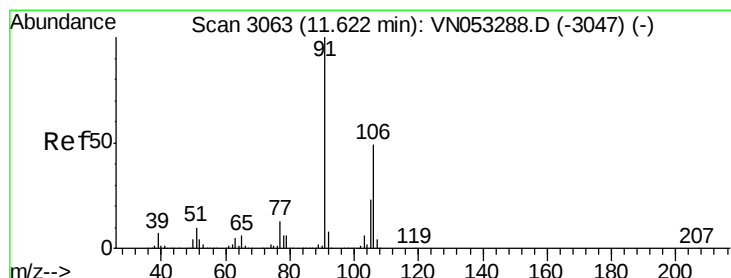
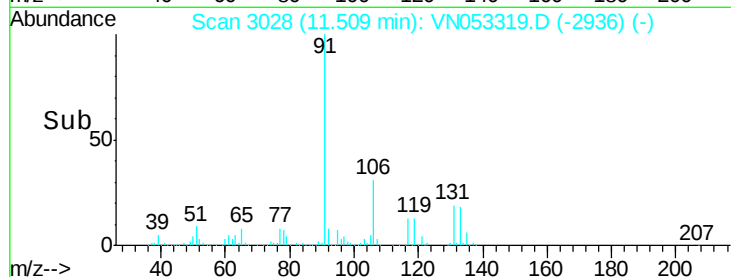
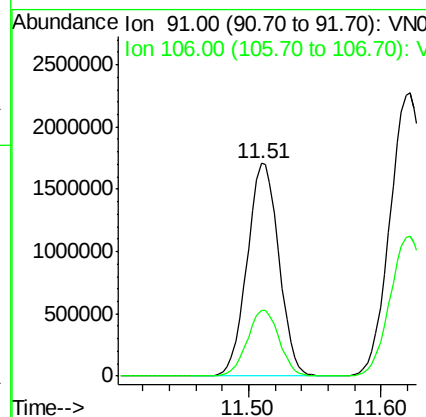
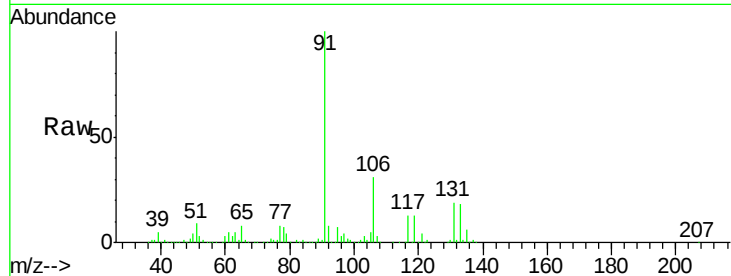




#67
Ethyl Benzene
Concen: 50.667 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

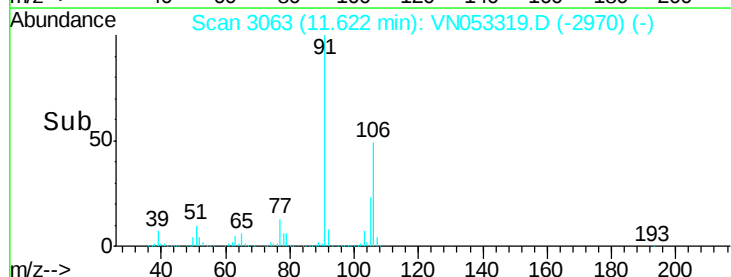
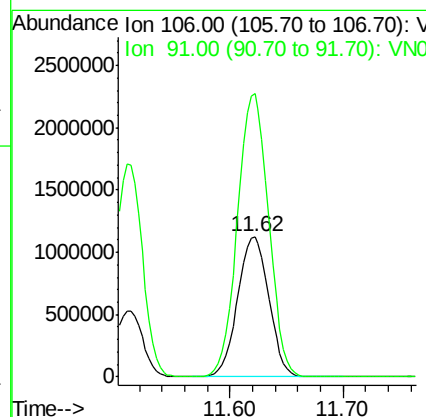
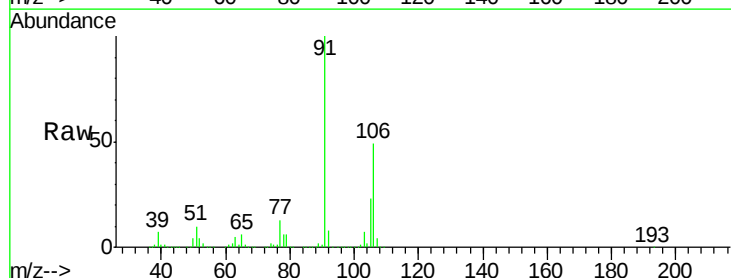
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

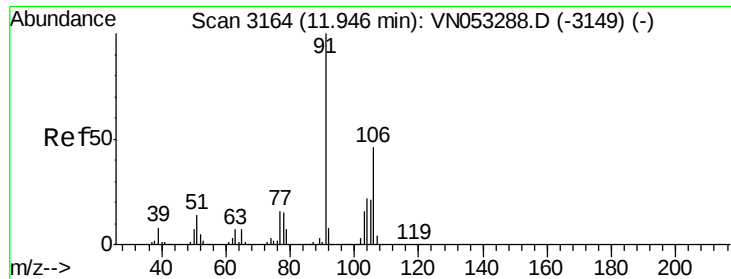
Tot Ion: 91 Resp: 2837111
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4



#68
m/p-Xylenes
Concen: 102.328 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 106 Resp: 2154572
Ion Ratio Lower Upper
106 100
91 201.8 161.4 242.2

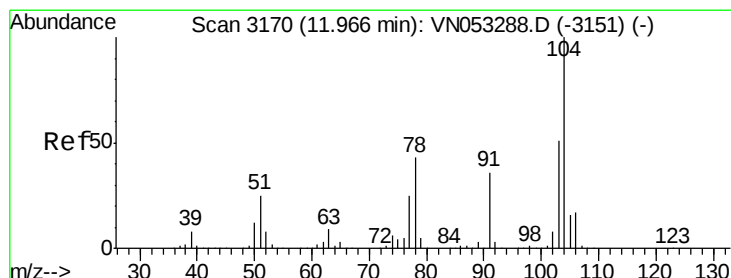
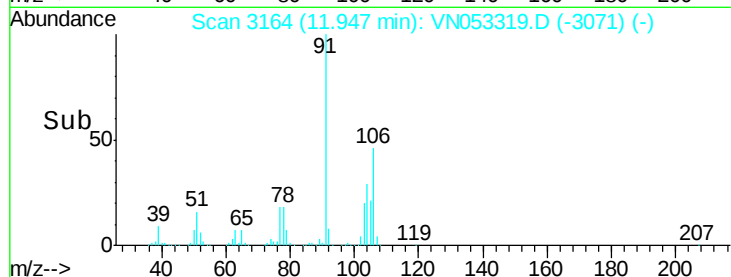
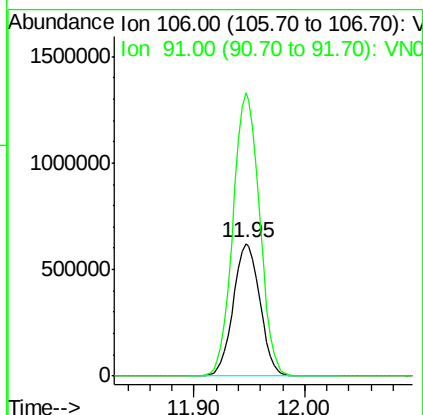
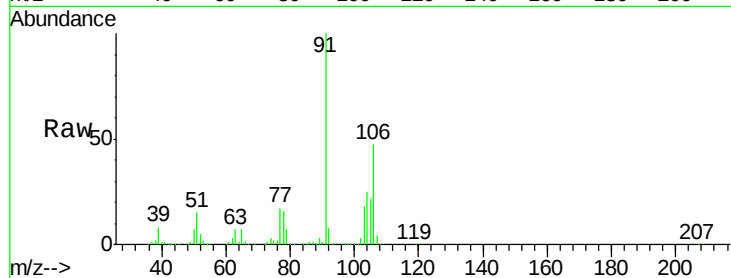




#69
o-Xylene
Concen: 50.458 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

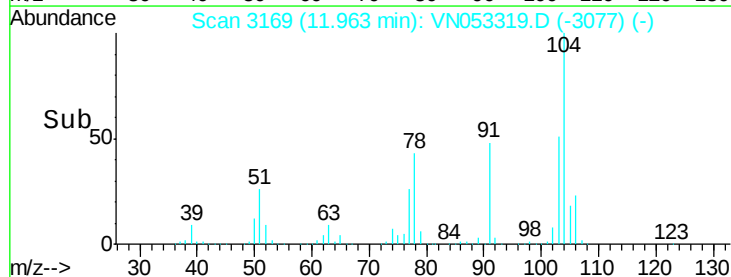
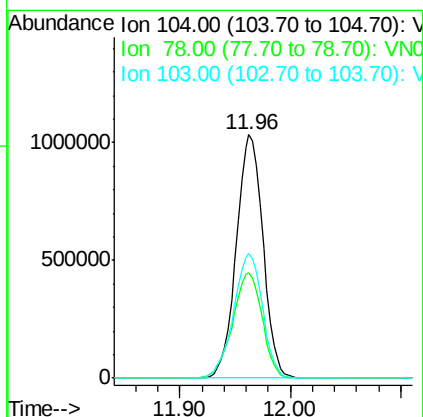
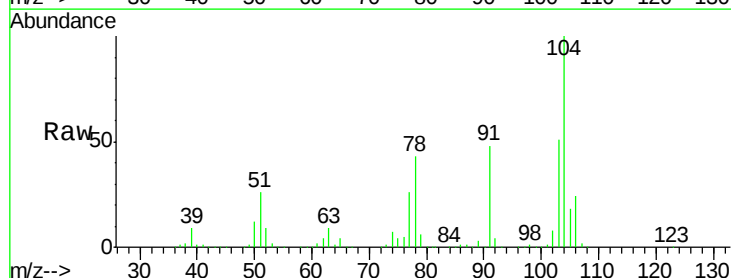
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

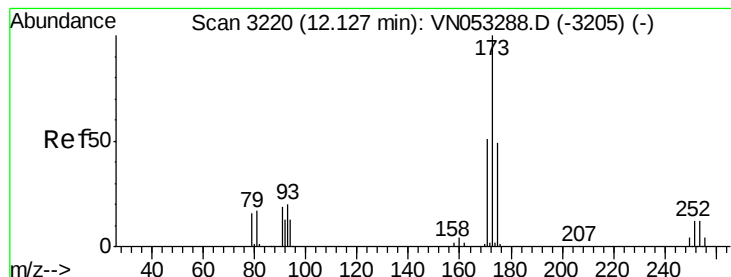
Tot Ion:106 Resp: 1040113
Ion Ratio Lower Upper
106 100
91 213.3 106.8 320.4



#70
Styrene
Concen: 51.530 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion:104 Resp: 1728771
Ion Ratio Lower Upper
104 100
78 47.8 38.5 57.7
103 55.4 44.5 66.7





#71

Bromoform

Concen: 51.071 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

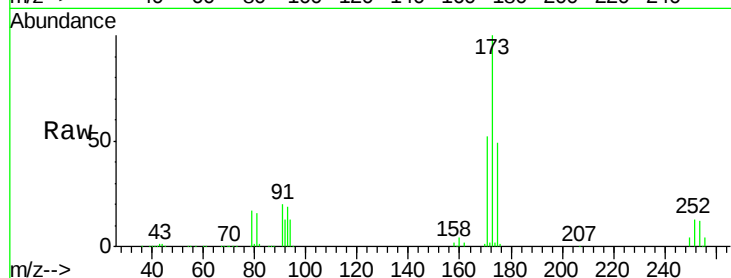
Tot Ion:173 Resp: 416075

Ion Ratio Lower Upper

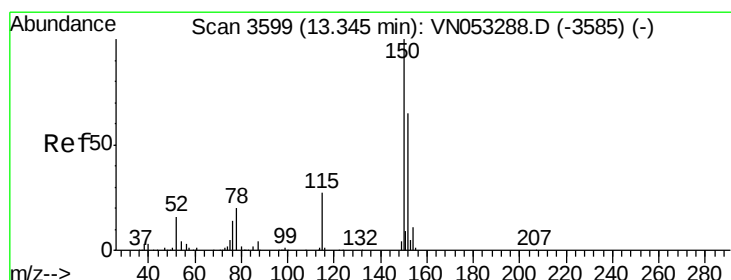
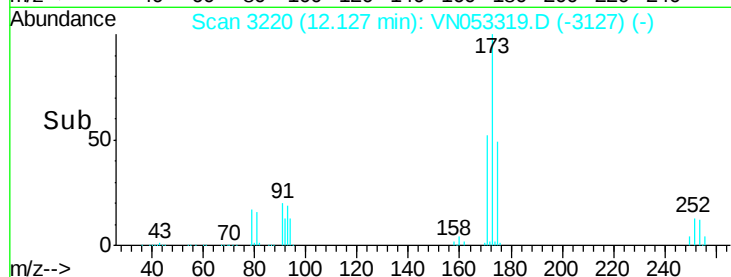
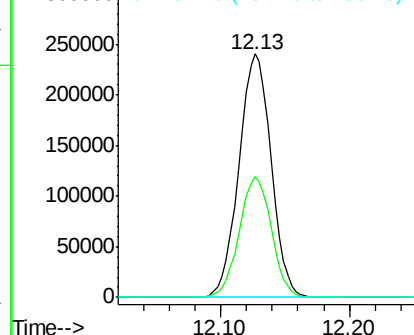
173 100

175 49.4 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: VN053319.D

Acq: 9 Jan 2019 9:07

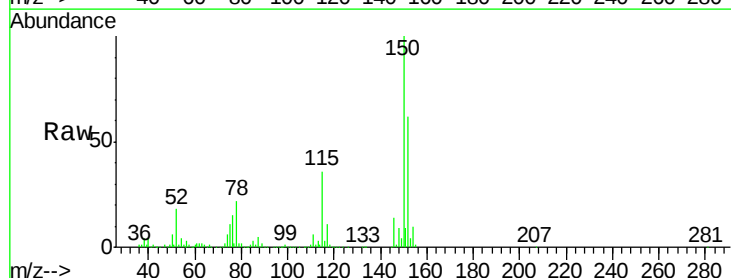
Tgt Ion:152 Resp: 712456

Ion Ratio Lower Upper

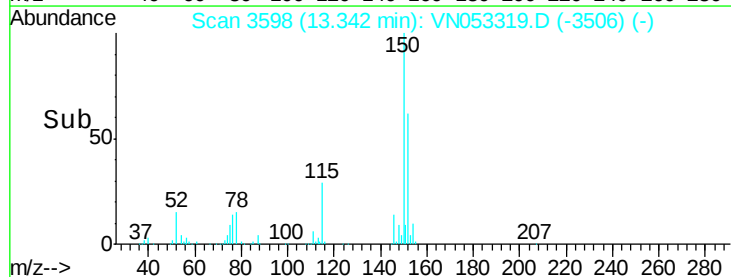
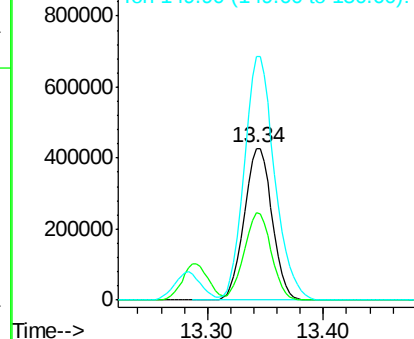
152 100

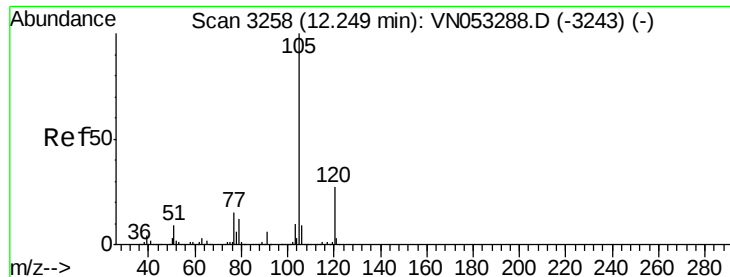
115 56.2 28.0 84.0

150 174.5 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: 51.607 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

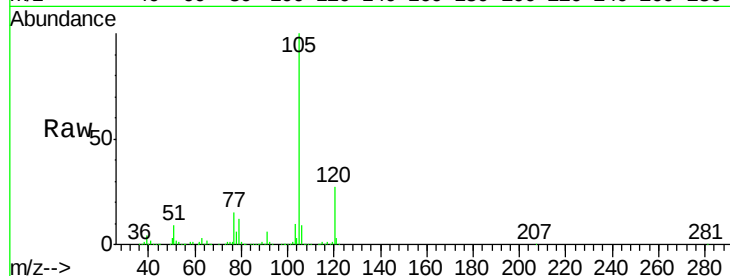
VSTDCCC050

Tot Ion:105 Resp: 2737444

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

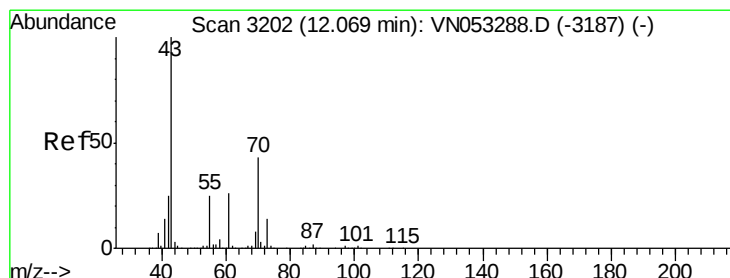
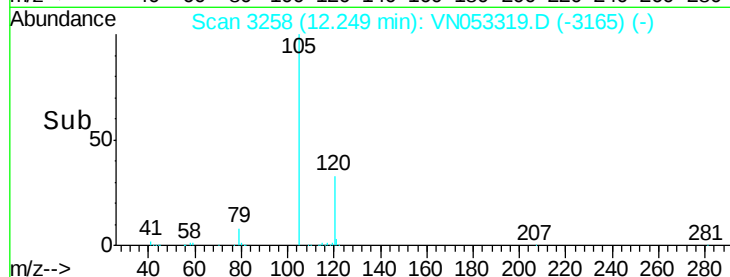
1000000

500000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 50.579 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Tgt Ion: 43 Resp: 801144

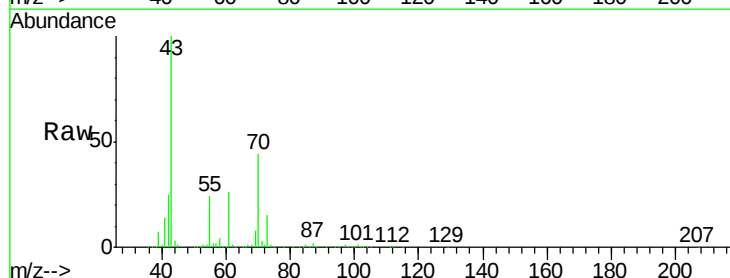
Ion Ratio Lower Upper

43 100

70 44.4 35.0 52.6

55 24.5 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

800000

600000

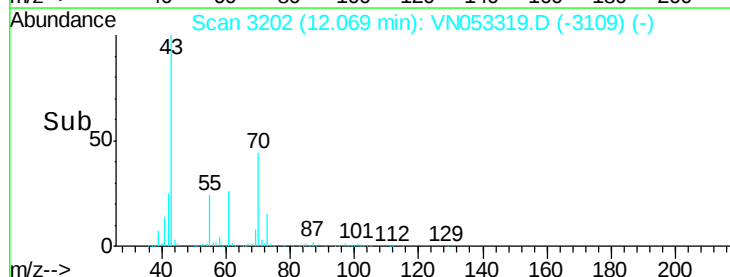
400000

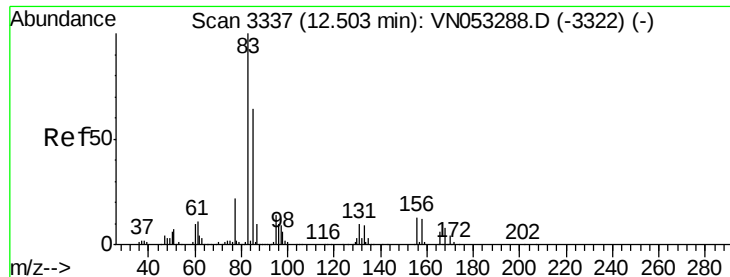
200000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 48.786 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

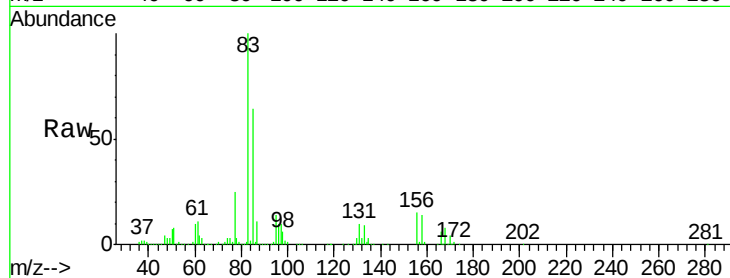
Tot Ion: 83 Resp: 595285

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

85 63.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN053319.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053319.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053319.D (-3244) (-)

12.50

400000

300000

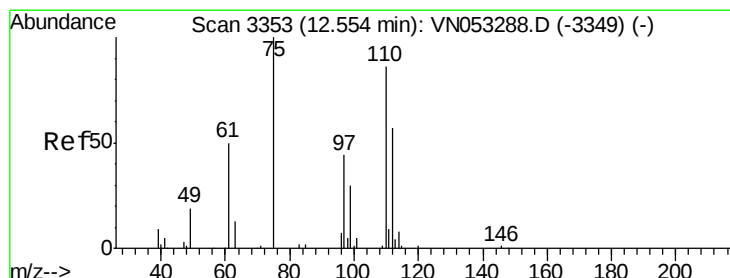
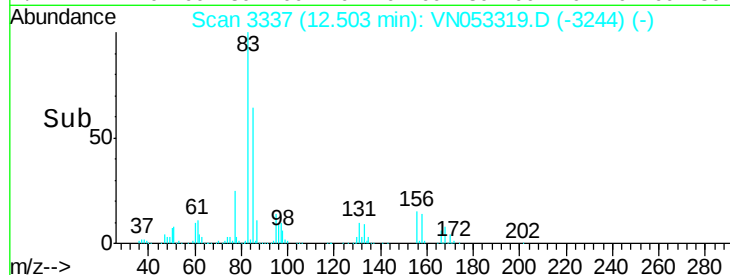
200000

100000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 78.521 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053319.D

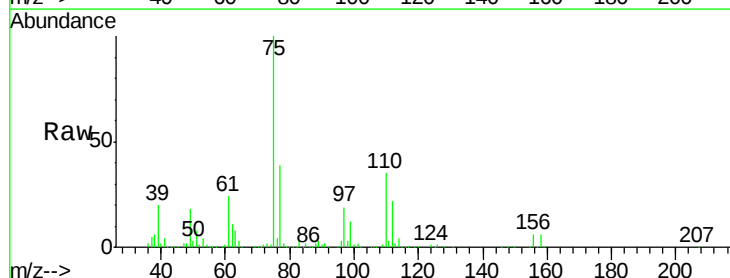
Acq: 9 Jan 2019 9:07

Tgt Ion: 75 Resp: 815953

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053319.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053319.D (-3260) (-)

12.55

600000

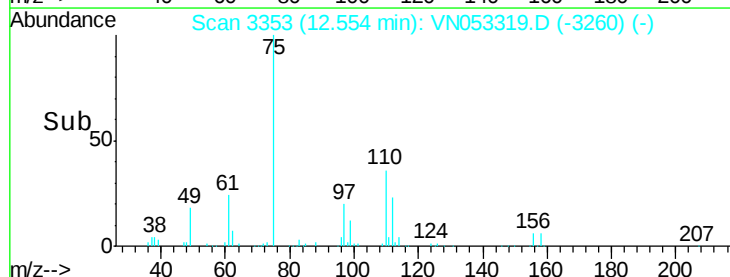
400000

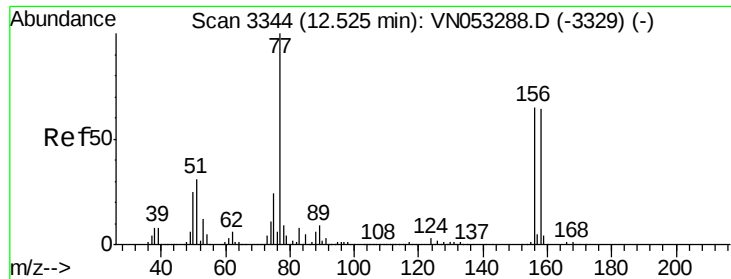
200000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 50.740 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

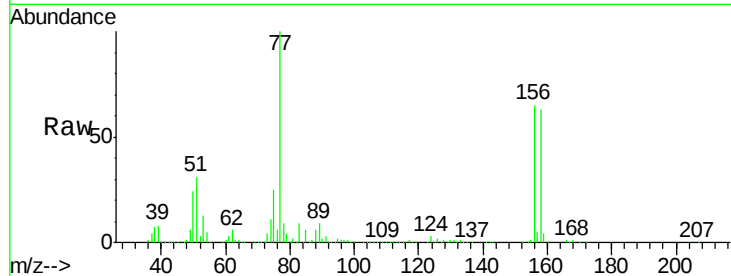
Tot Ion:156 Resp: 718346

Ion Ratio Lower Upper

156 100

77 176.8 89.3 268.1

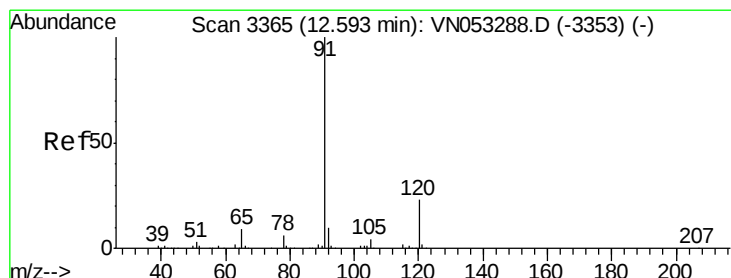
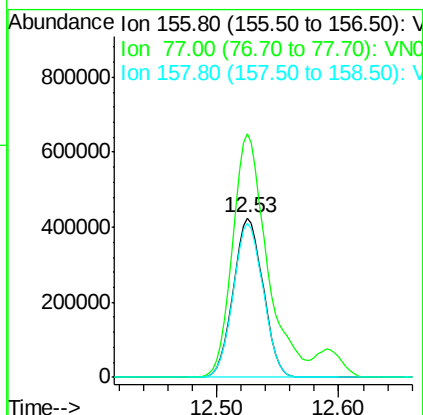
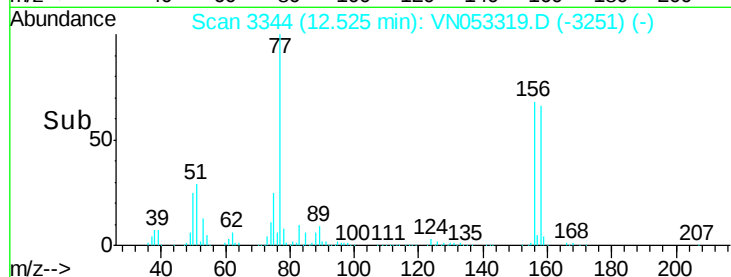
158 97.4 48.9 146.8



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: 52.097 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053319.D

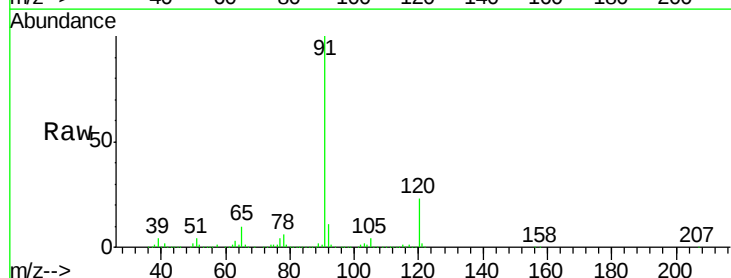
Acq: 9 Jan 2019 9:07

Tgt Ion: 91 Resp: 3125877

Ion Ratio Lower Upper

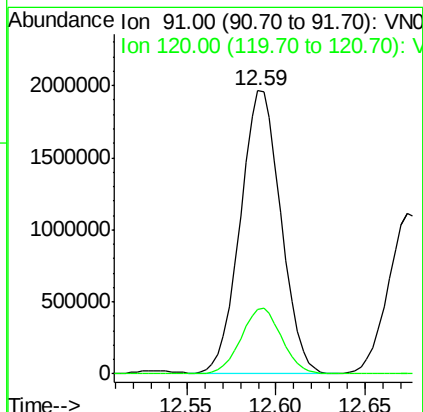
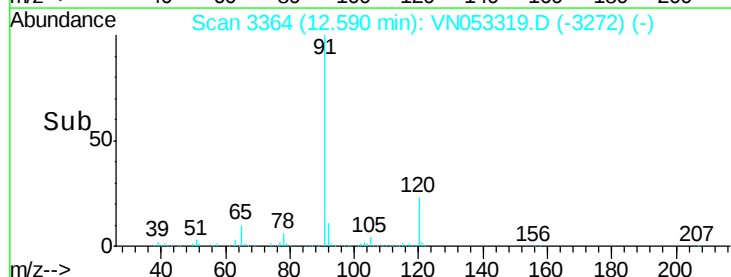
91 100

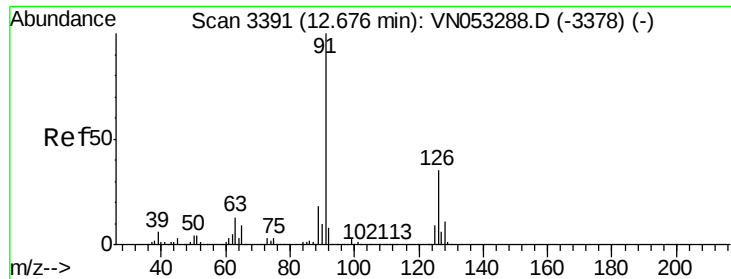
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.456 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

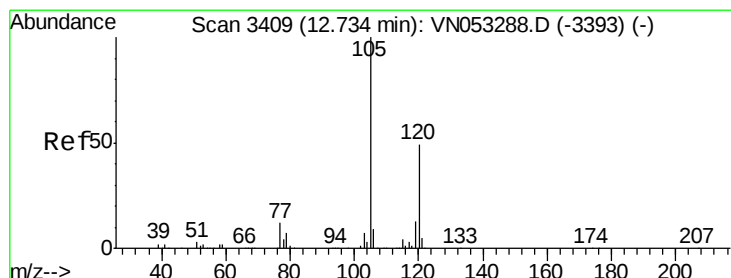
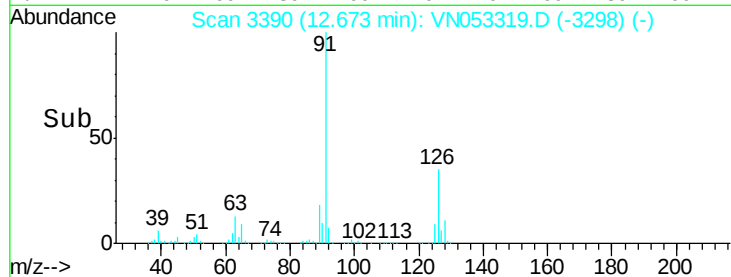
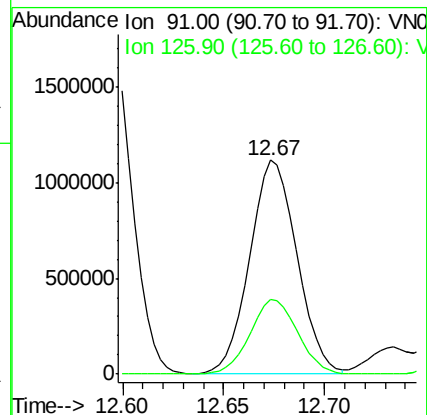
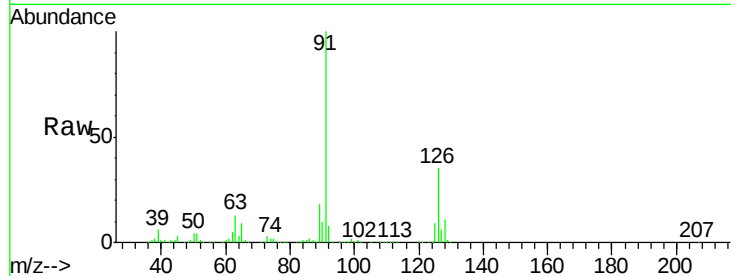
VSTDCCC050

Tot Ion: 91 Resp: 1831843

Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 51.438 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053319.D

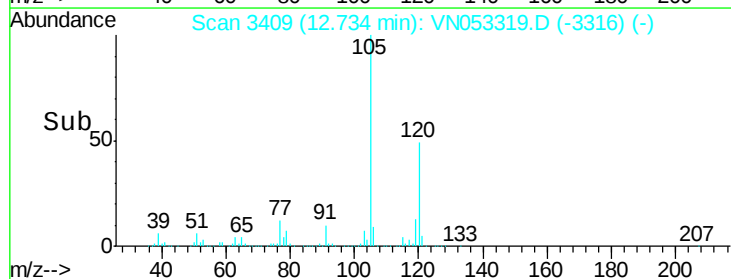
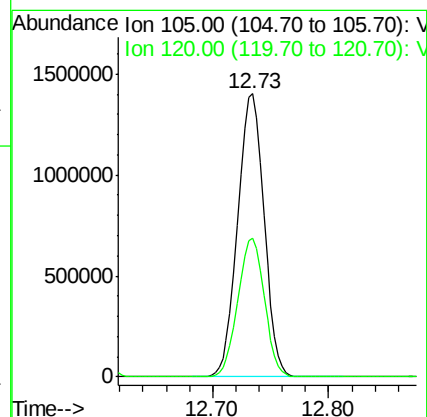
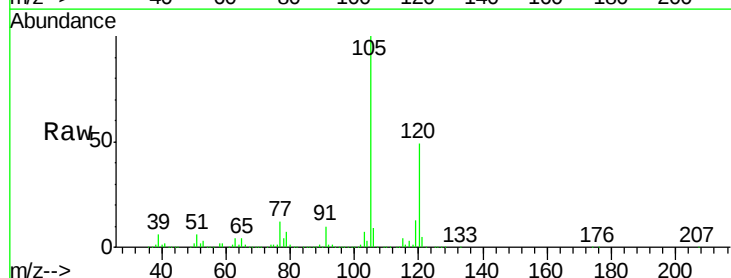
Acq: 9 Jan 2019 9:07

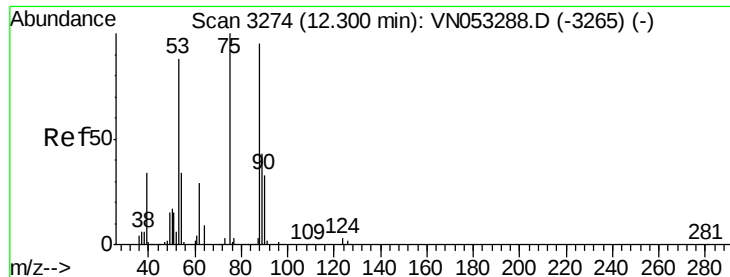
Tgt Ion: 105 Resp: 2197816

Ion Ratio Lower Upper

105 100

120 49.2 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 55.666 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

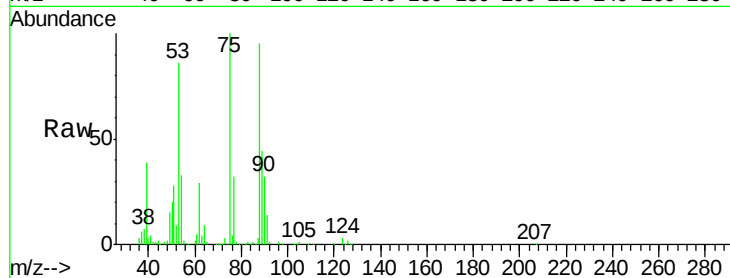
Tot Ion: 75 Resp: 196609

Ion Ratio Lower Upper

75 100

53 86.4 70.5 105.7

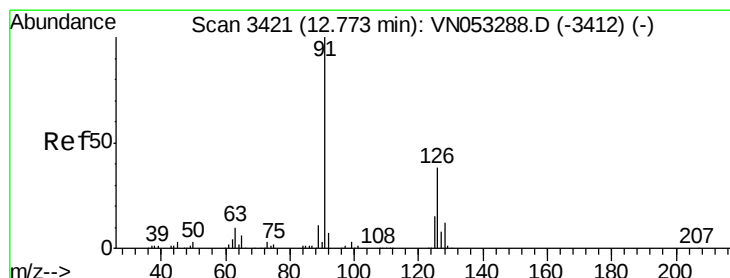
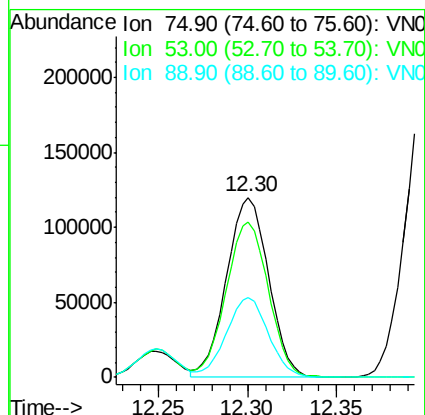
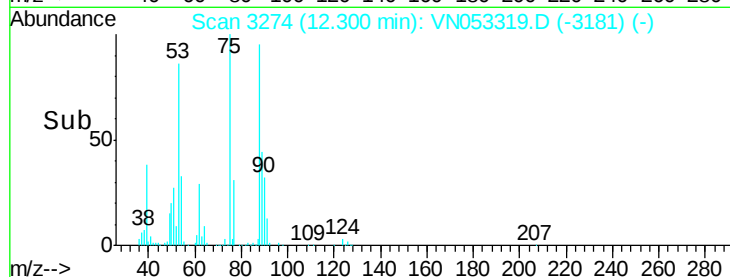
89 44.3 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 50.995 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053319.D

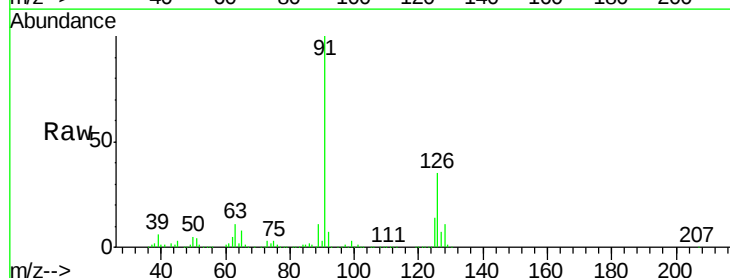
Acq: 9 Jan 2019 9:07

Tgt Ion: 91 Resp: 1898434

Ion Ratio Lower Upper

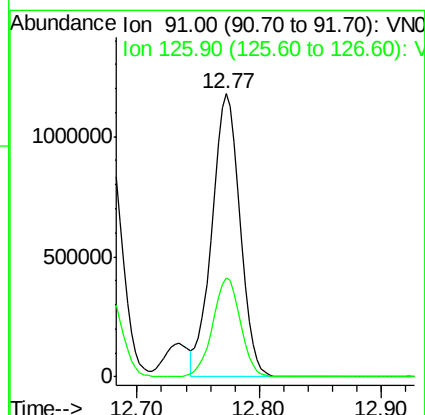
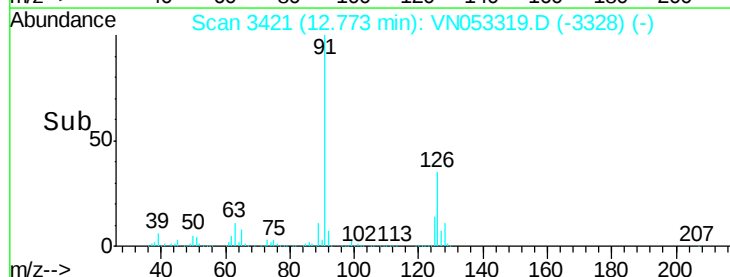
91 100

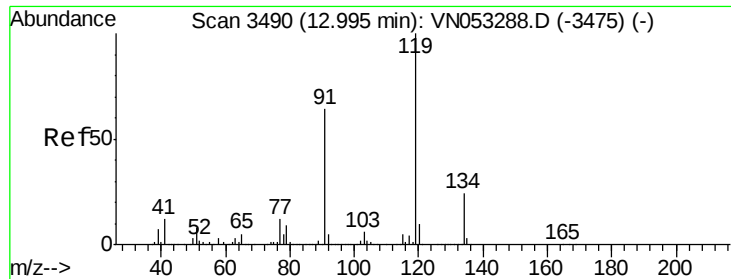
126 34.6 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO

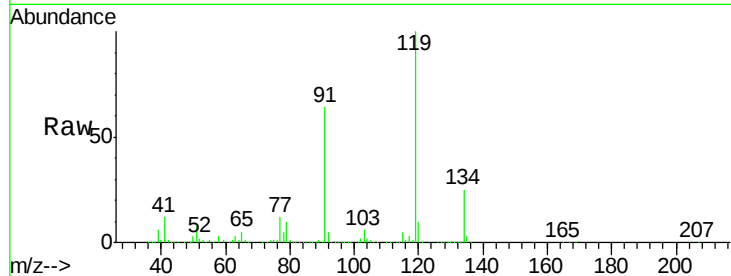




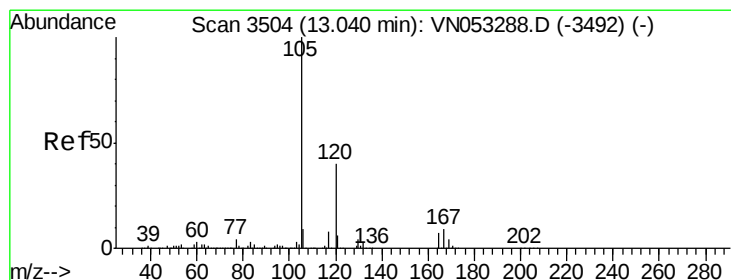
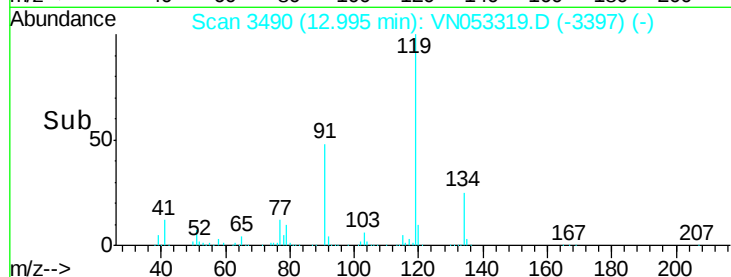
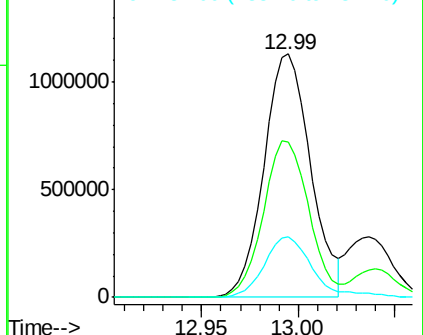
#83
 tert-Butylbenzene
 Concen: 50.634 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1898162
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.6 95.0
 134 25.7 12.9 38.6

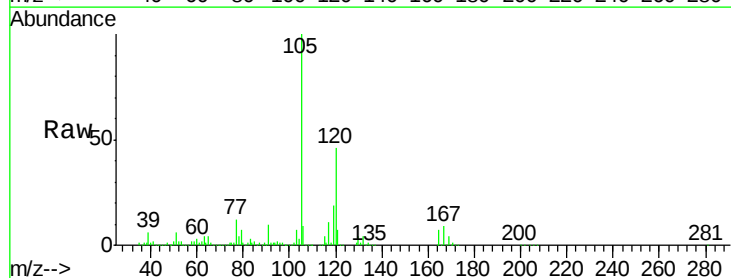


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

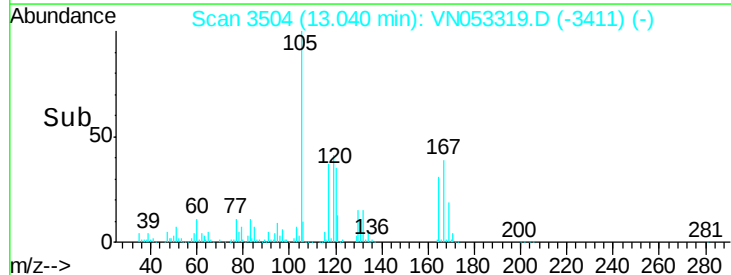
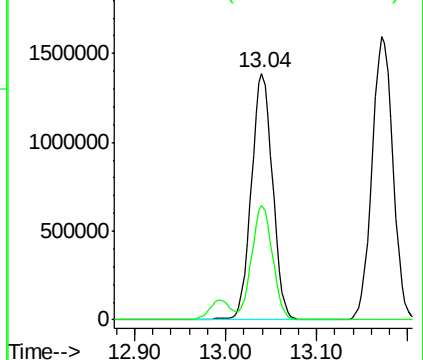


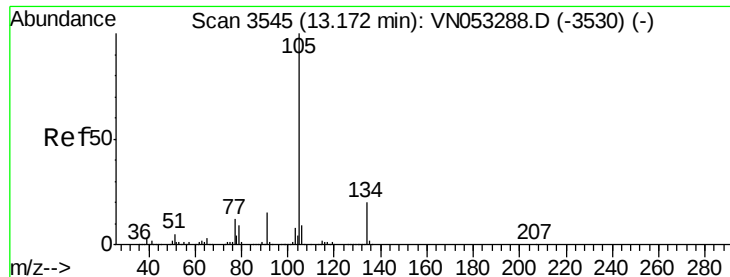
#84
 1,2,4-Trimethylbenzene
 Concen: 51.441 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion:105 Resp: 2239163
 Ion Ratio Lower Upper
 105 100
 120 46.0 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: 51.303 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

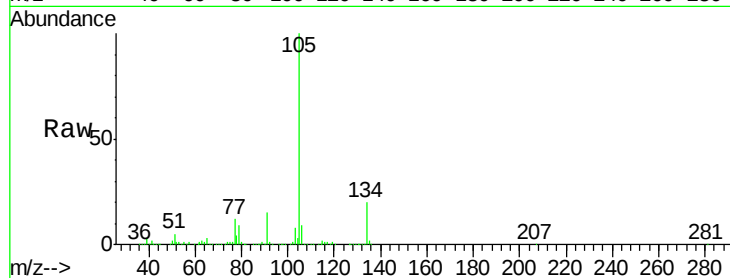
VSTDCCC050

Tot Ion:105 Resp: 2536363

Ion Ratio Lower Upper

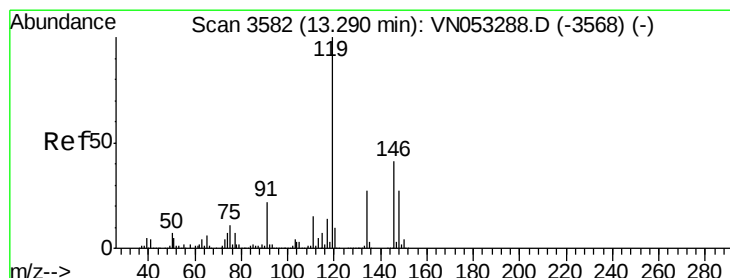
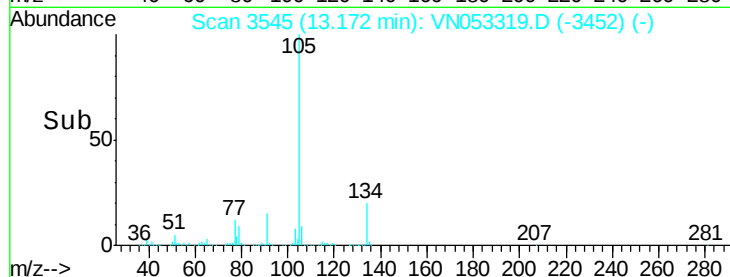
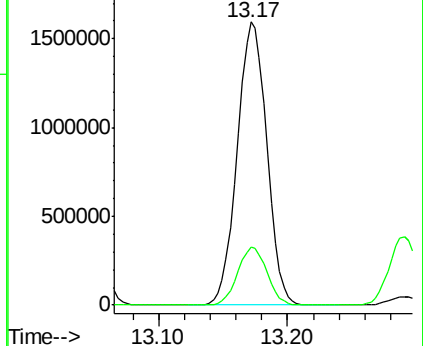
105 100

134 20.4 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.007 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

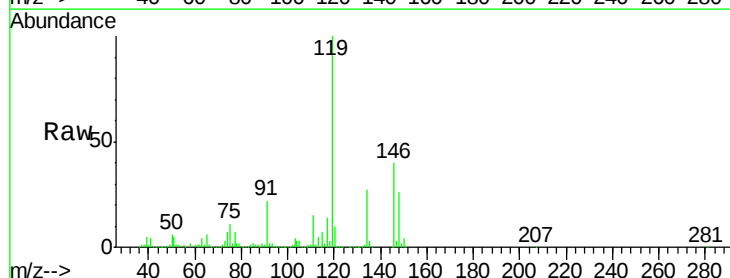
Tgt Ion:119 Resp: 2226155

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

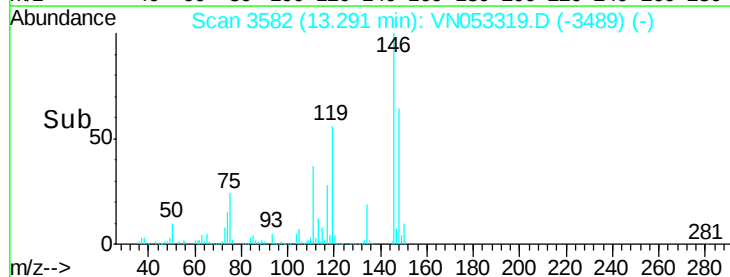
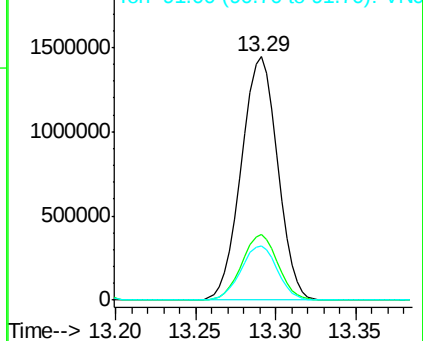
91 22.3 11.1 33.1

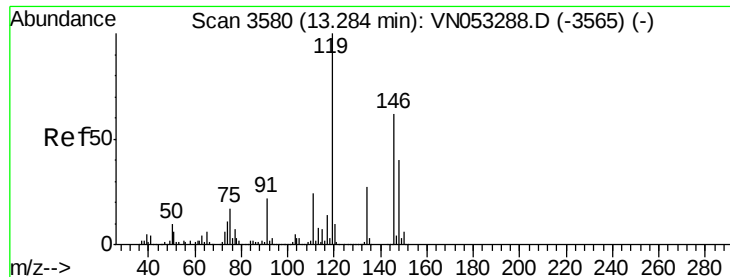


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.834 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

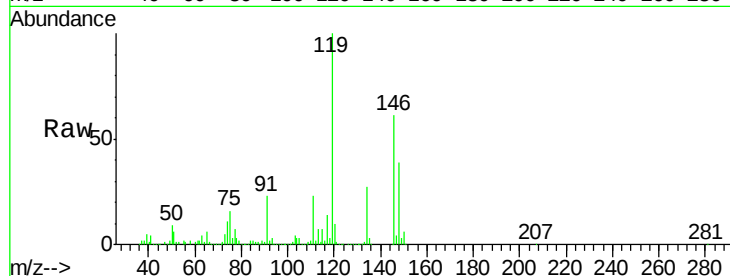
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1242409

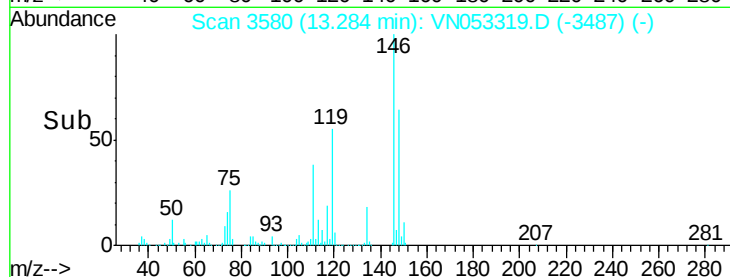
Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.5
148	64.3	32.0	96.2



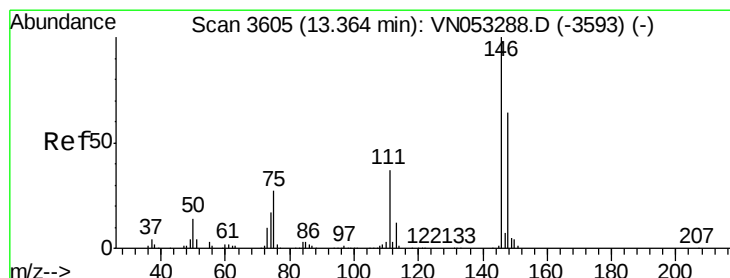
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time--> 13.20 13.25 13.30 13.35



#88

1,4-Dichlorobenzene

Concen: 49.872 ug/l

RT: 13.36 min Scan# 3605

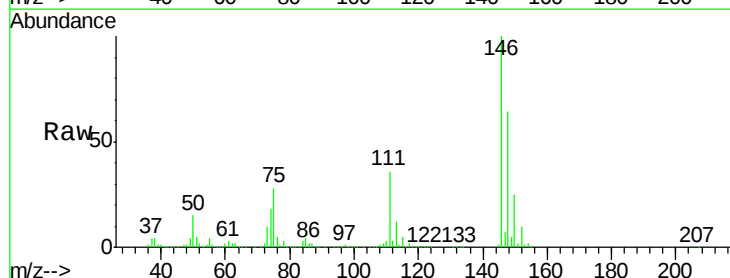
Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Tgt Ion:146 Resp: 1233385

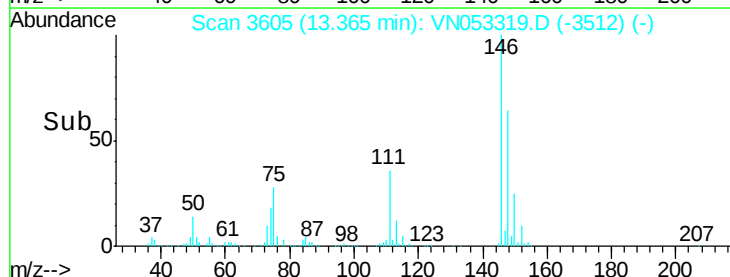
Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.8
148	64.1	32.0	96.0



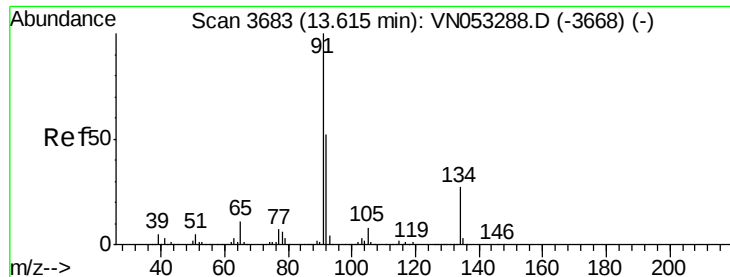
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time--> 13.30 13.40



#89

n-Butylbenzene

Concen: 52.125 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

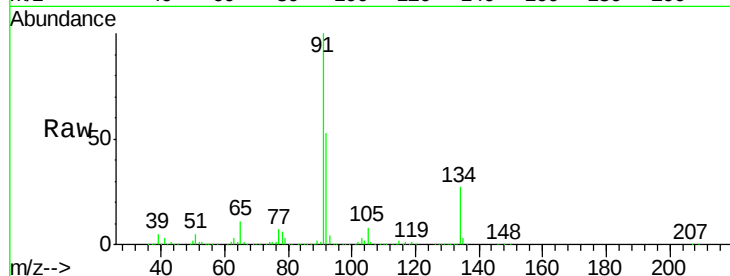
Tot Ion: 91 Resp: 1870641

Ion Ratio Lower Upper

91 100

92 52.5 26.3 78.8

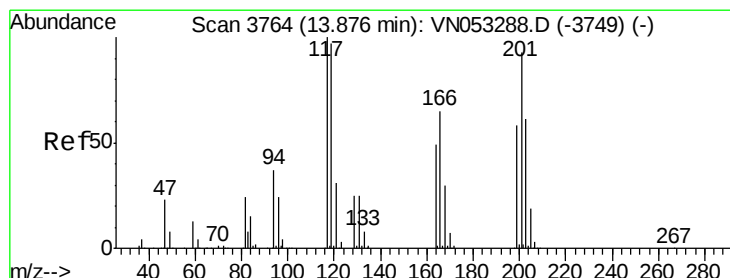
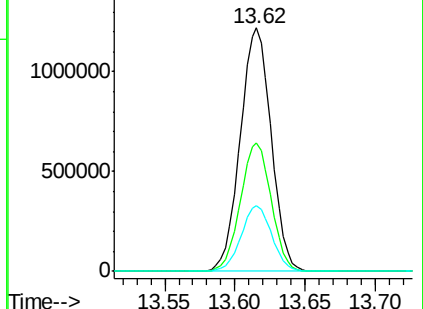
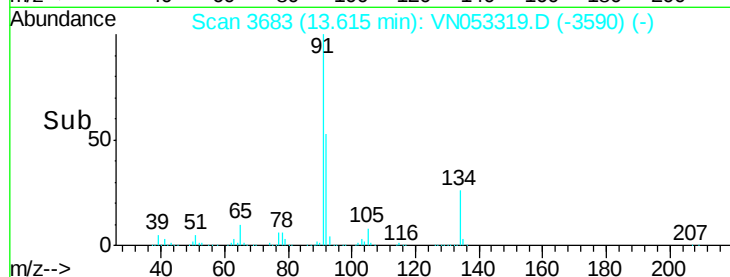
134 26.7 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053319.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053319.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053319.D (-3590) (-)



#90

Hexachloroethane

Concen: 51.209 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053319.D

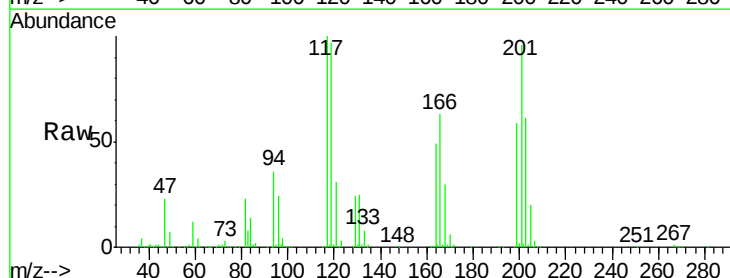
Acq: 9 Jan 2019 9:07

Tgt Ion: 117 Resp: 351335

Ion Ratio Lower Upper

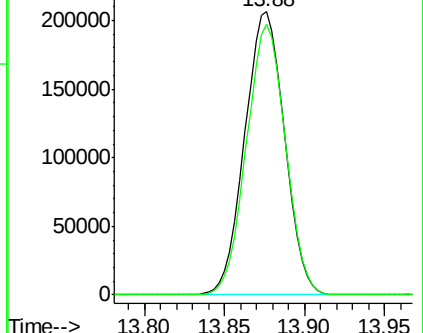
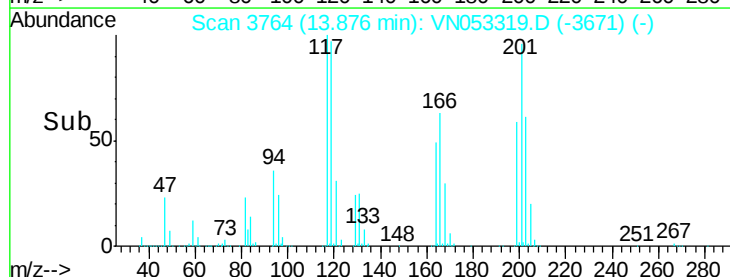
117 100

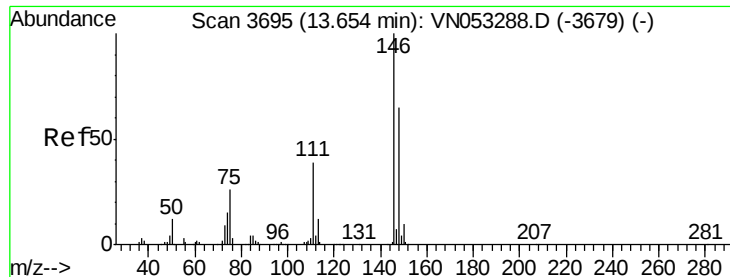
201 94.1 46.1 138.3



Abundance Ion 116.80 (116.50 to 117.50): VN053319.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053319.D (-3671) (-)

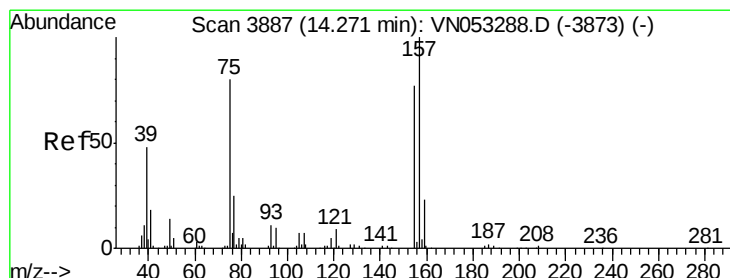
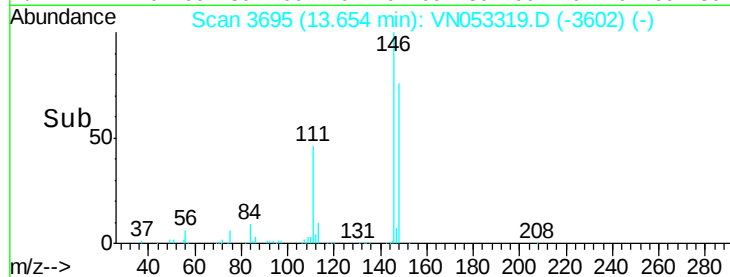
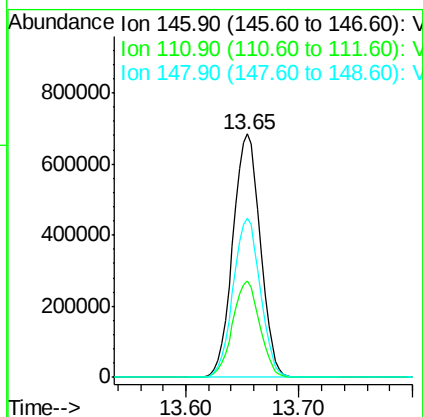
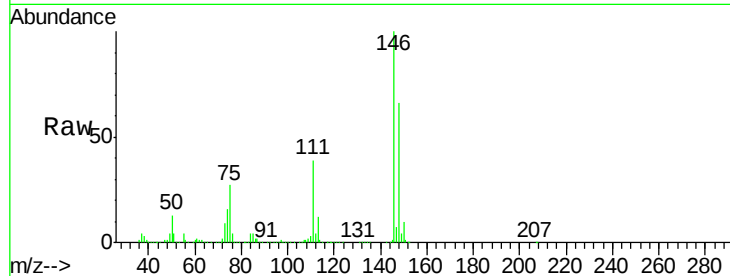




#91
 1,2-Dichlorobenzene
 Concen: 49.558 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

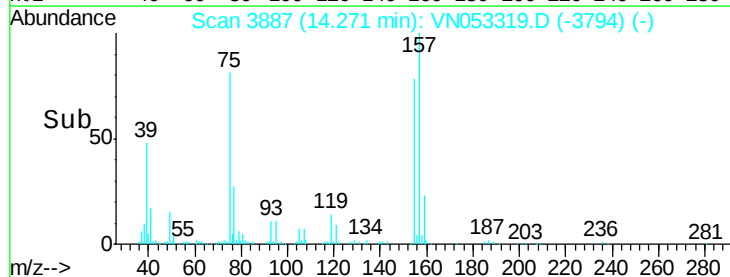
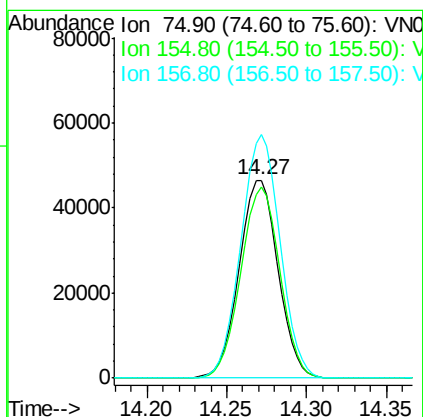
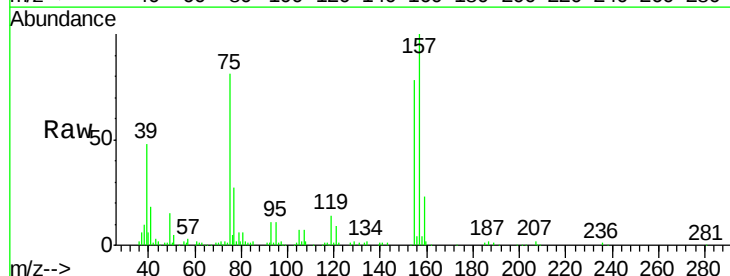
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

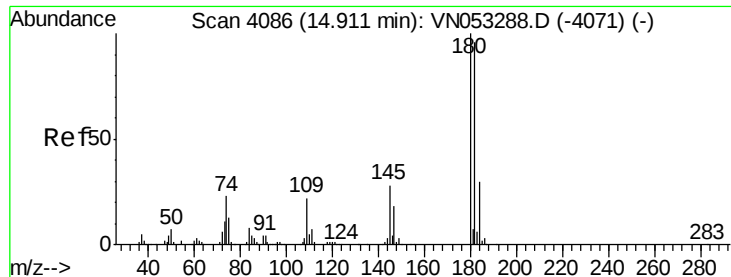
Tot Ion:146 Resp: 1157311
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.4 58.2
 148 64.7 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.237 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion: 75 Resp: 77311
 Ion Ratio Lower Upper
 75 100
 155 96.7 48.1 144.3
 157 123.7 61.5 184.4

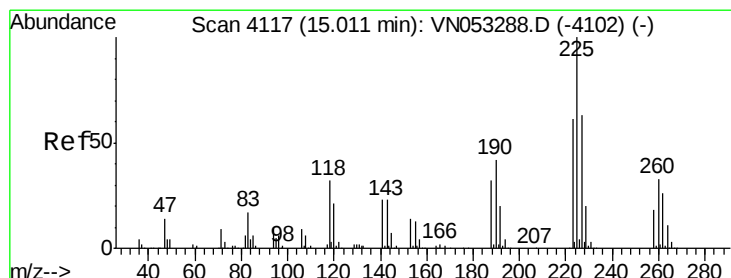
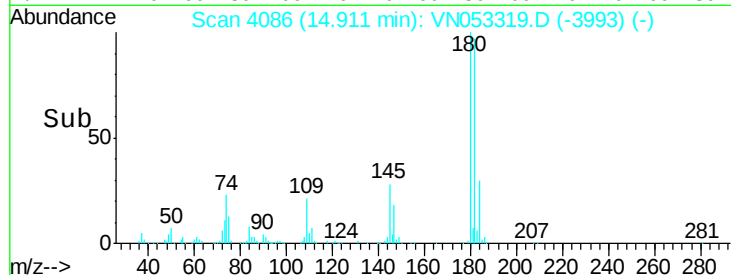
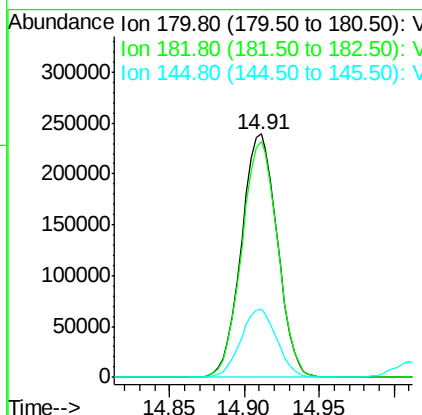
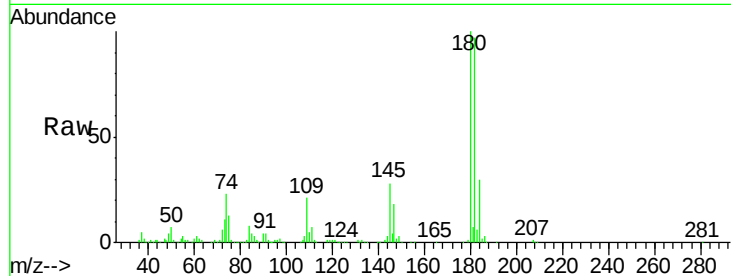




#93
 1,2,4-Trichlorobenzene
 Concen: 54.346 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

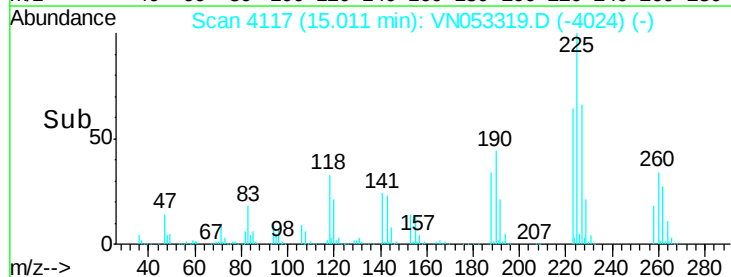
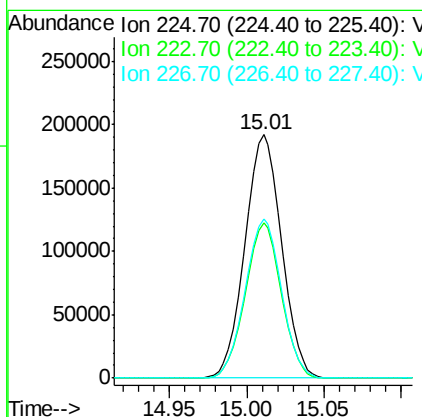
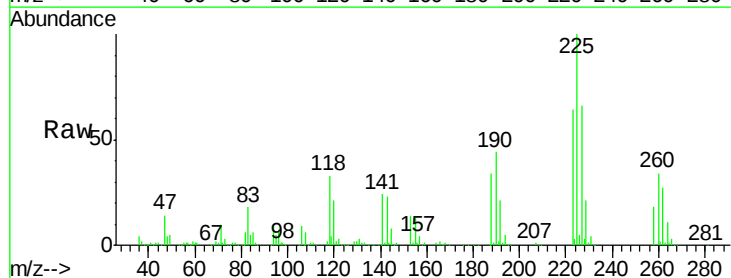
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

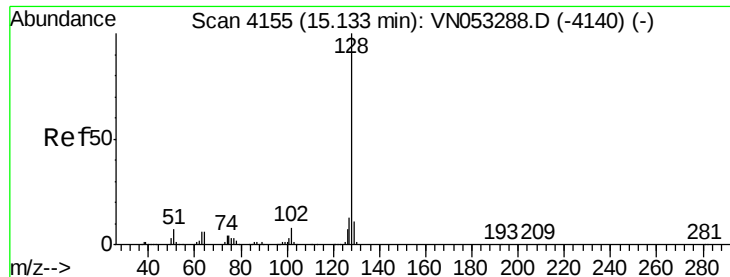
Tot Ion:180 Resp: 399049
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.8 143.4
 145 28.1 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 52.801 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion:225 Resp: 317117
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.9 92.8
 227 64.8 31.4 94.2





#95

Naphthalene

Concen: 57.016 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

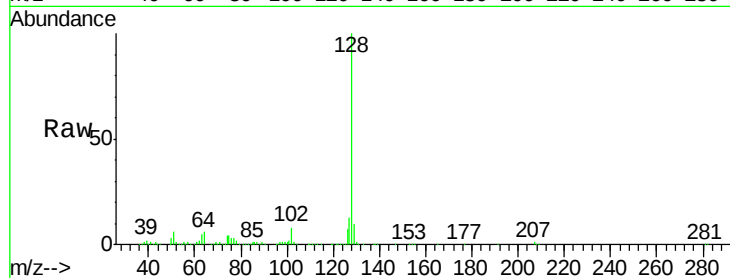
Tot Ion:128 Resp: 714203

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

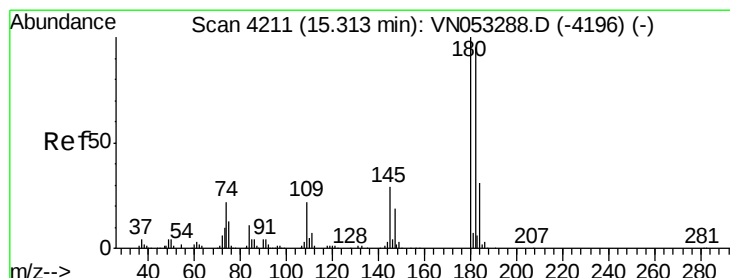
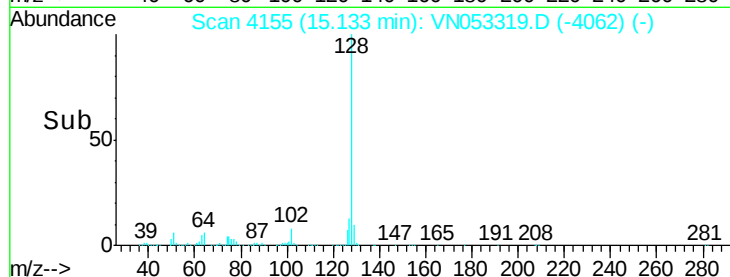
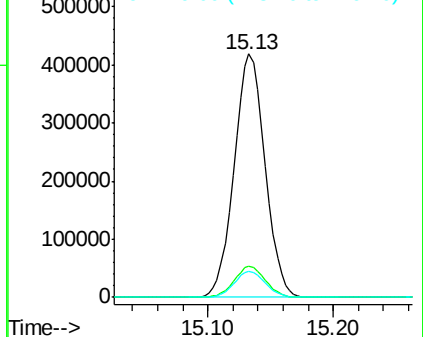
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.467 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

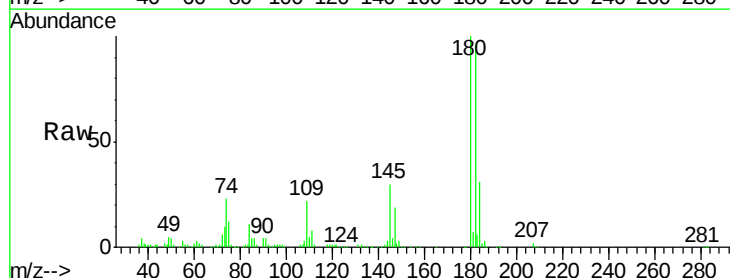
Tgt Ion:180 Resp: 266652

Ion Ratio Lower Upper

180 100

182 96.2 48.4 145.0

145 29.5 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

