

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050208.D
 Acq On : 31 Jul 2018 11:49
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 31 12:10:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	636439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	898019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	847684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	465431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	422197	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
35) Dibromofluoromethane	7.59	113	381748	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.09	98	1434509	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
62) 4-Bromofluorobenzene	12.40	95	503535	56.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	433712	47.43	ug/l	100
3) Chloromethane	2.06	50	407447	40.99	ug/l	99
4) Vinyl Chloride	2.18	62	447567	42.76	ug/l	98
5) Bromomethane	2.56	94	185694	31.58	ug/l	100
6) Chloroethane	2.70	64	264466	42.07	ug/l	100
7) Trichlorofluoromethane	3.01	101	603475	44.50	ug/l	99
8) Diethyl Ether	3.41	74	205915	45.55	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	379868	46.58	ug/l	100
10) Methyl Iodide	3.95	142	197477	18.87	ug/l	99
11) Tert butyl alcohol	4.79	59	137511	210.47	ug/l	100
12) 1,1-Dichloroethene	3.73	96	324598	44.25	ug/l	95
13) Acrolein	3.61	56	49727	94.73	ug/l	94
14) Allyl chloride	4.32	41	532804	46.84	ug/l	99
15) Acrylonitrile	4.99	53	640882	224.83	ug/l	100
16) Acetone	3.82	43	557736	266.95	ug/l	99
17) Carbon Disulfide	4.05	76	922796	41.06	ug/l	100
18) Methyl Acetate	4.32	43	417585	51.37	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	935098	47.84	ug/l	100
20) Methylene Chloride	4.55	84	382890	48.60	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	355959	45.80	ug/l	98
22) Diisopropyl ether	5.95	45	1152487	51.10	ug/l	99
23) Vinyl Acetate	5.90	43	3738464	234.57	ug/l	100
24) 1,1-Dichloroethane	5.85	63	681929	46.24	ug/l	100
25) 2-Butanone	6.84	43	788861	232.91	ug/l	100
26) 2,2-Dichloropropane	6.82	77	575430	51.29	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	400668	47.89	ug/l	98
28) Bromochloromethane	7.19	49	325820	48.44	ug/l	99
29) Tetrahydrofuran	7.21	42	488117	223.02	ug/l	99
30) Chloroform	7.37	83	692047	45.99	ug/l	99
31) Cyclohexane	7.65	56	574033	46.93	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	588821	45.74	ug/l	99
36) 1,1-Dichloropropene	7.79	75	518803	51.28	ug/l	99
37) Ethyl Acetate	6.93	43	327305	46.40	ug/l	100
38) Carbon Tetrachloride	7.77	117	530966	49.46	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	556025	53.42	ug/l	99
40) Benzene	8.04	78	1551537	50.40	ug/l	99
41) Methacrylonitrile	7.18	41	182224	49.62	ug/l #	82
42) 1,2-Dichloroethane	8.12	62	499779	48.66	ug/l	100
43) Isopropyl Acetate	8.17	43	614422	46.13	ug/l	100
44) Trichloroethene	8.83	130	403545	48.78	ug/l	97
45) 1,2-Dichloropropane	9.12	63	414685	50.85	ug/l	100
46) Dibromomethane	9.21	93	250382	49.45	ug/l	98
47) Bromodichloromethane	9.40	83	534869	50.05	ug/l	99
48) Methyl methacrylate	9.20	41	306678	50.48	ug/l	98
49) 1,4-Dioxane	9.20	88	86145	1041.97	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1715501	247.39	ug/l	100
52) Toluene	10.16	92	971208	53.44	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	545254	54.07	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	622671	54.03	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	363225	50.39	ug/l	99
56) Ethyl methacrylate	10.43	69	457799	47.01	ug/l	100
57) 1,3-Dichloropropane	10.71	76	607043	51.72	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1069198	234.90	ug/l	100
59) 2-Hexanone	10.75	43	1213344	238.37	ug/l	100
60) Dibromochloromethane	10.90	129	413432	51.80	ug/l	99
61) 1,2-Dibromoethane	11.01	107	358321	50.10	ug/l	99
64) Tetrachloroethene	10.63	164	383485	47.05	ug/l	99
65) Chlorobenzene	11.43	112	1062308	49.61	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	403191	49.01	ug/l	99
67) Ethyl Benzene	11.51	91	1839142	53.47	ug/l	100
68) m/p-Xylenes	11.62	106	1436012	110.38	ug/l	100
69) o-Xylene	11.95	106	684042	55.15	ug/l	98
70) Styrene	11.96	104	1129719	51.19	ug/l	99
71) Bromoform	12.13	173	294704	49.24	ug/l #	99
73) Isopropylbenzene	12.25	105	1844622	51.10	ug/l	99
74) N-amyl acetate	12.07	43	516911	46.85	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	470319	48.74	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	578481	66.88	ug/l #	100
77) Bromobenzene	12.53	156	473309	47.31	ug/l	100
78) n-propylbenzene	12.59	91	2166778	53.70	ug/l	100
79) 2-Chlorotoluene	12.67	91	1267776	50.70	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1539493	54.22	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	130313	47.79	ug/l	99
82) 4-Chlorotoluene	12.77	91	1311720	52.97	ug/l	99
83) tert-Butylbenzene	12.99	119	1310059	52.87	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1575127	55.04	ug/l	99
85) sec-Butylbenzene	13.17	105	1808474	54.62	ug/l	100
86) p-Isopropyltoluene	13.29	119	1579912	56.63	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	858438	50.62	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	834475	50.48	ug/l	99
89) n-Butylbenzene	13.62	91	1303630	56.83	ug/l	100
90) Hexachloroethane	13.88	117	288415	46.56	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	821657	48.46	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	69165	42.89	ug/l	97

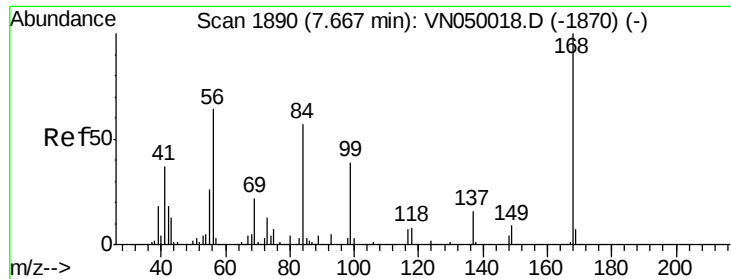
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	415192	46.41	ug/l	97
94) Hexachlorobutadiene	15.01	225	259782	50.05	ug/l	99
95) Naphthalene	15.14	128	858608	41.24	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	408525	46.80	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

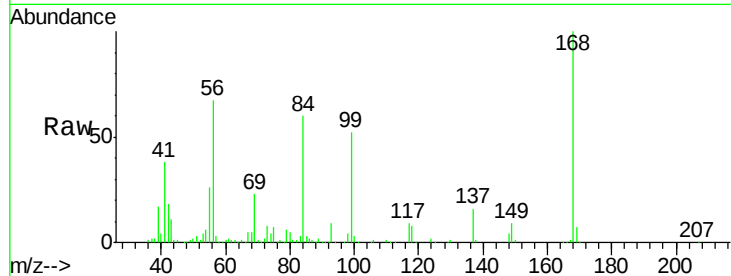
VSTDCCC050

Tot Ion:168 Resp: 636439

Ion Ratio Lower Upper

168 100

99 51.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

150000

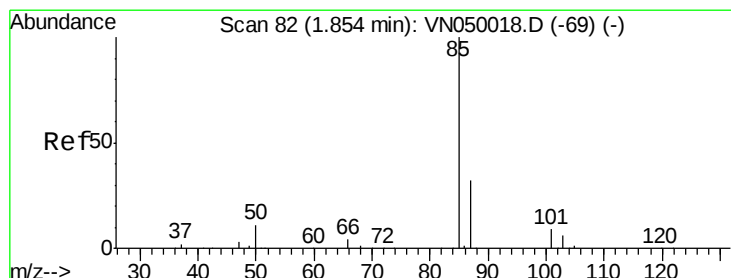
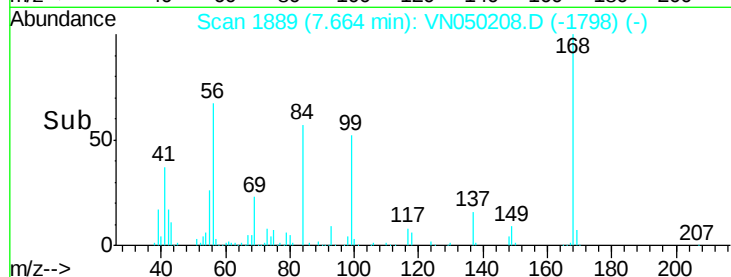
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.43 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050208.D

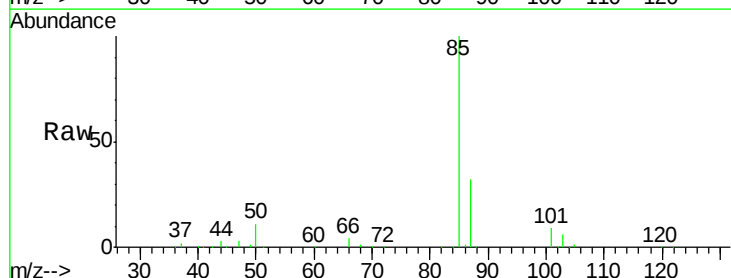
Acq: 31 Jul 2018 11:49

Tgt Ion: 85 Resp: 433712

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

150000

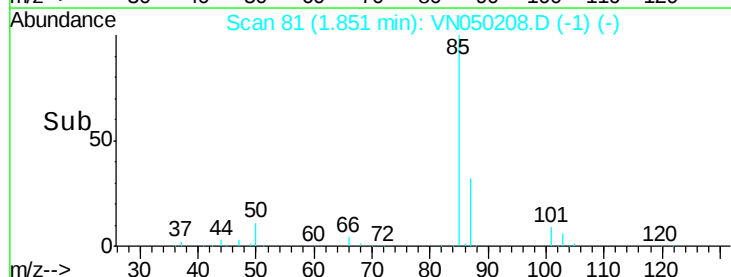
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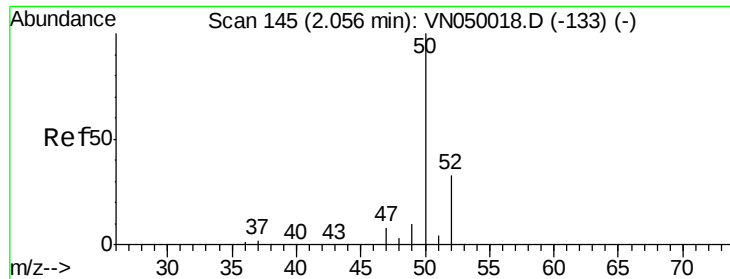
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 40.99 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

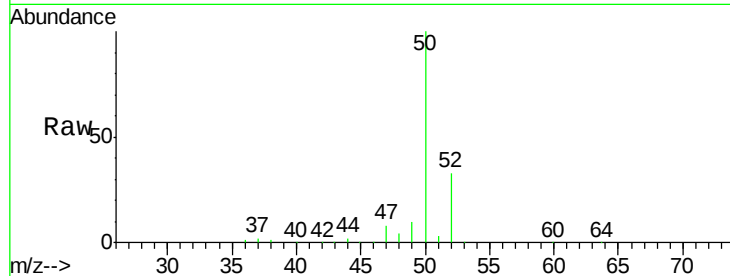
VSTDCCC050

Tot Ion: 50 Resp: 407447

Ion Ratio Lower Upper

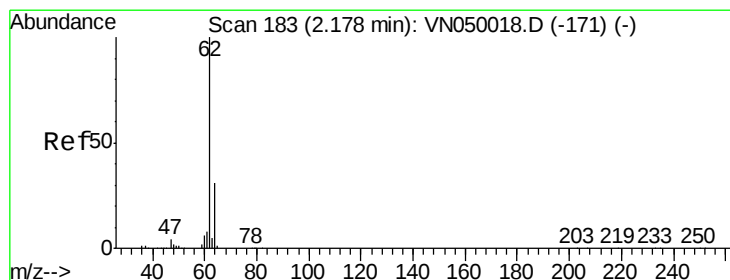
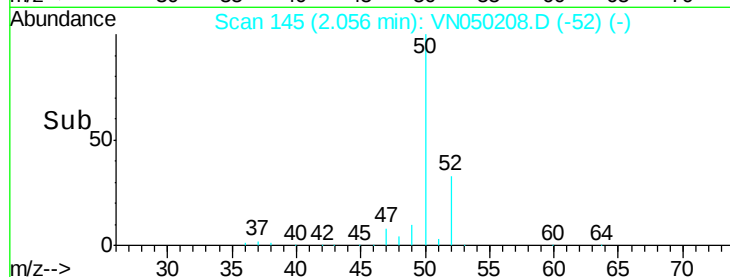
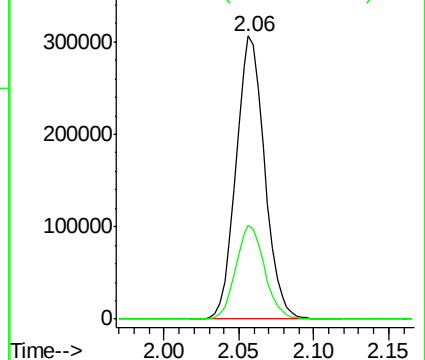
50 100

52 33.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 42.76 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050208.D

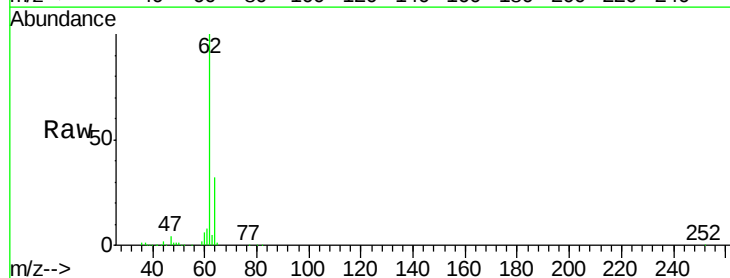
Acq: 31 Jul 2018 11:49

Tgt Ion: 62 Resp: 447567

Ion Ratio Lower Upper

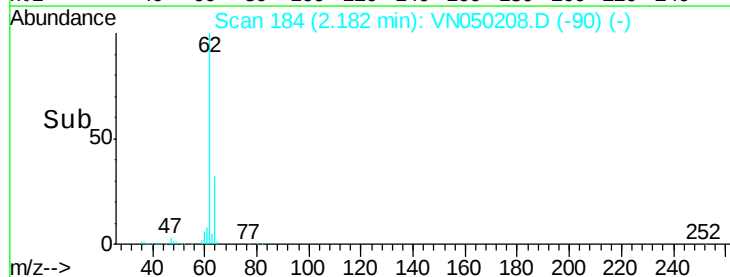
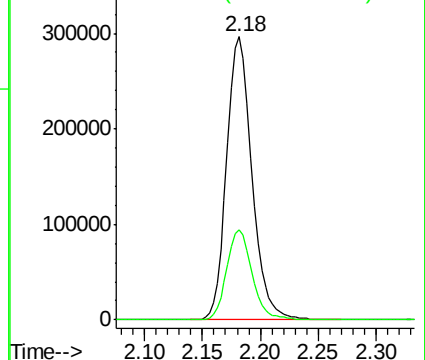
62 100

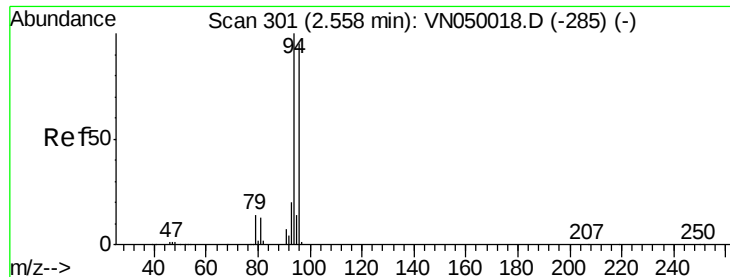
64 32.0 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 31.58 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

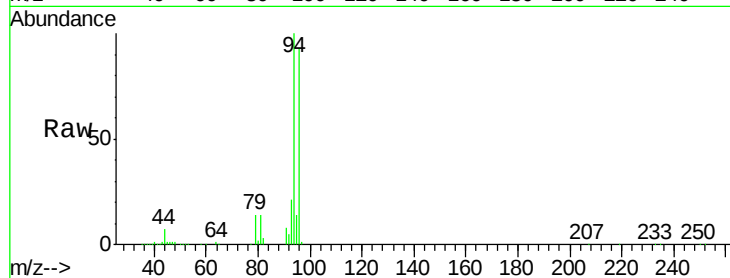
VSTDCCC050

Tot Ion: 94 Resp: 185694

Ion Ratio Lower Upper

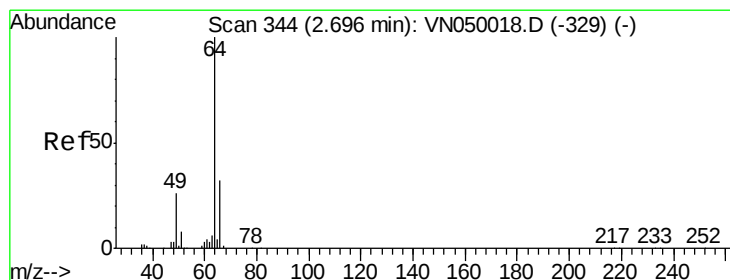
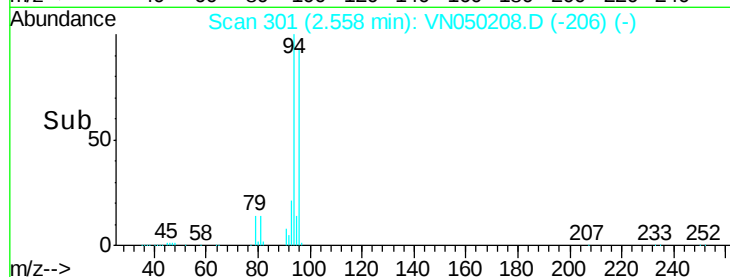
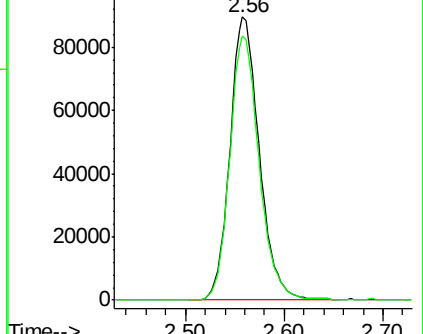
94 100

96 93.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050208.D (-206) (-)

Ion 95.90 (95.60 to 96.60): VN050208.D (-206) (-)



#6

Chloroethane

Concen: 42.07 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050208.D

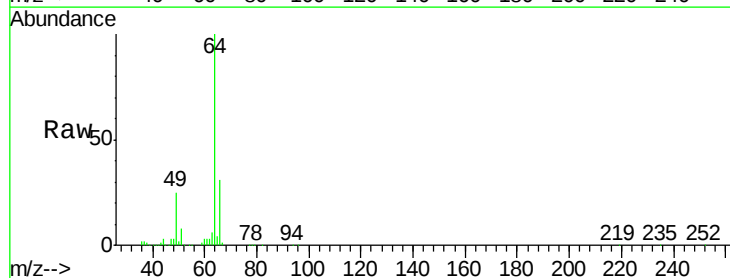
Acq: 31 Jul 2018 11:49

Tgt Ion: 64 Resp: 264466

Ion Ratio Lower Upper

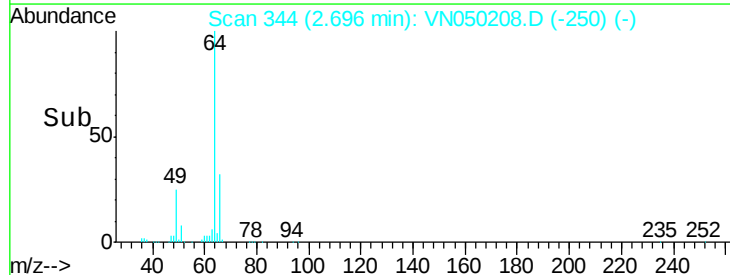
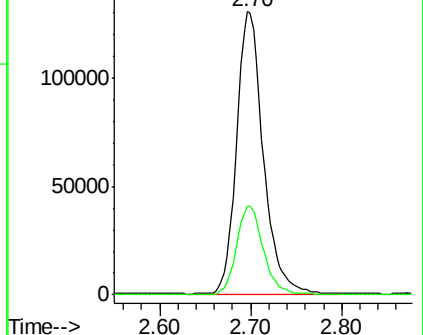
64 100

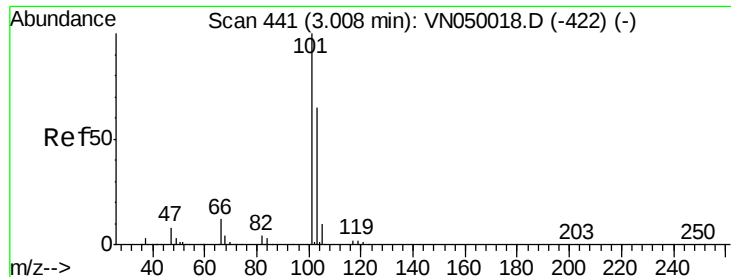
66 31.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN050208.D (-250) (-)

Ion 65.90 (65.60 to 66.60): VN050208.D (-250) (-)





#7

Trichlorofluoromethane

Concen: 44.50 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050208.D

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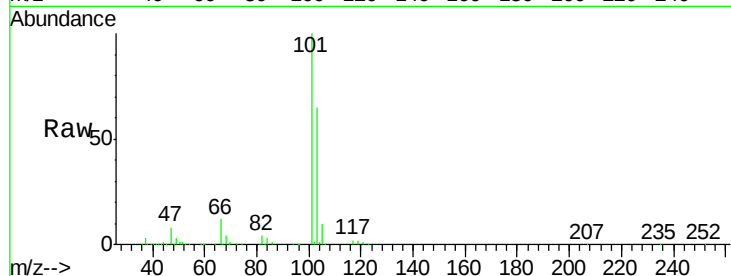
VSTDCCC050

Tot Ion:101 Resp: 603475

Ion Ratio Lower Upper

101 100

103 65.3 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

300000

250000

200000

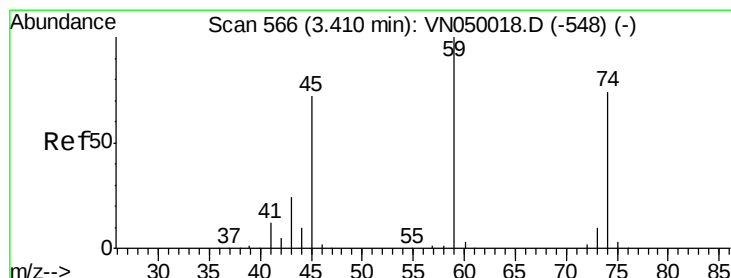
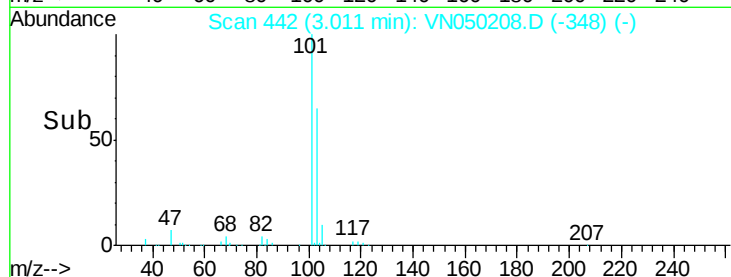
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 45.55 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050208.D

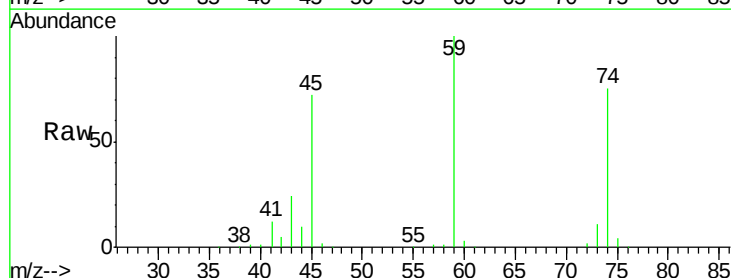
Acq: 31 Jul 2018 11:49

Tgt Ion: 74 Resp: 205915

Ion Ratio Lower Upper

74 100

45 95.5 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

100000

80000

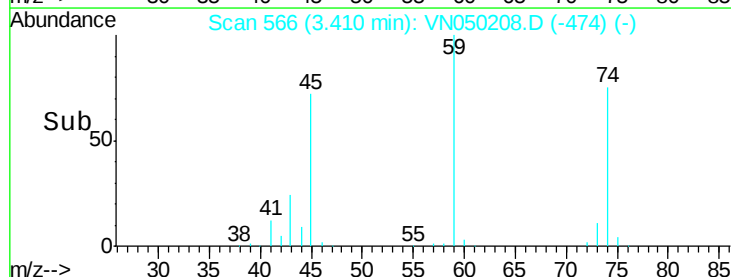
60000

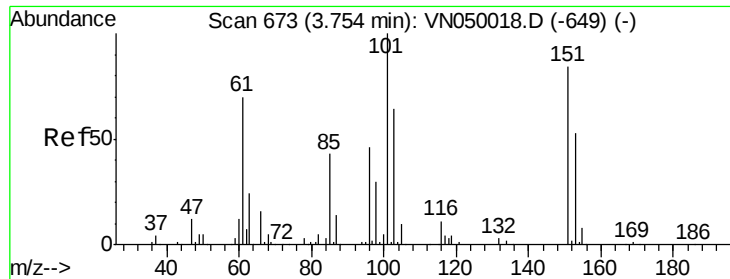
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.58 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

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VSTDCCC050

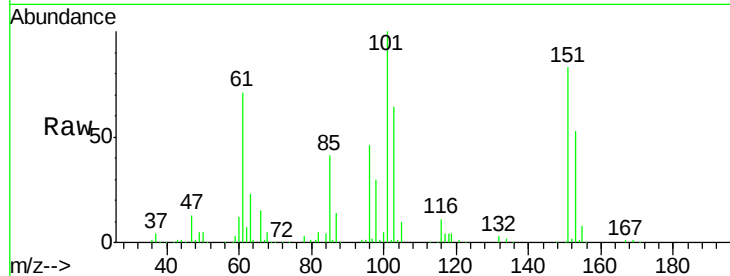
Tot Ion:101 Resp: 379868

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.2

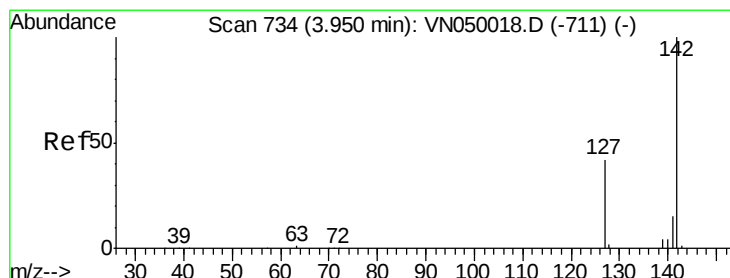
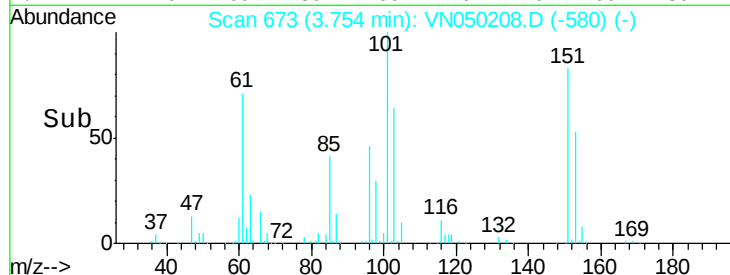
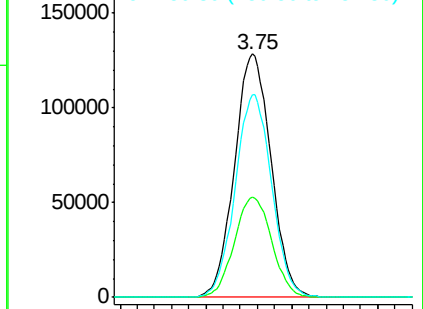
151 83.2 66.3 99.5



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: 18.87 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

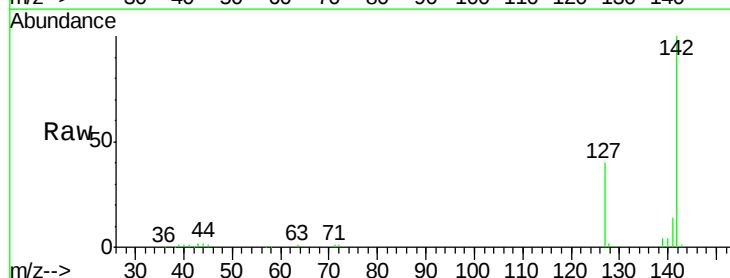
Tgt Ion:142 Resp: 197477

Ion Ratio Lower Upper

142 100

127 42.3 33.4 50.2

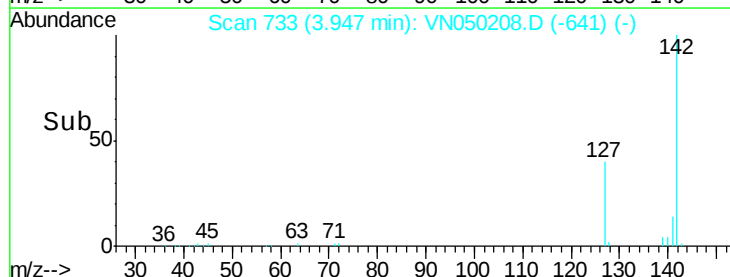
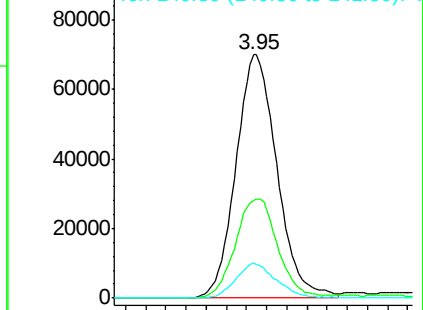
141 14.0 11.6 17.4

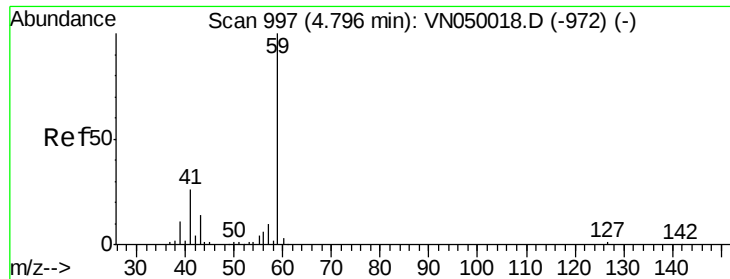


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



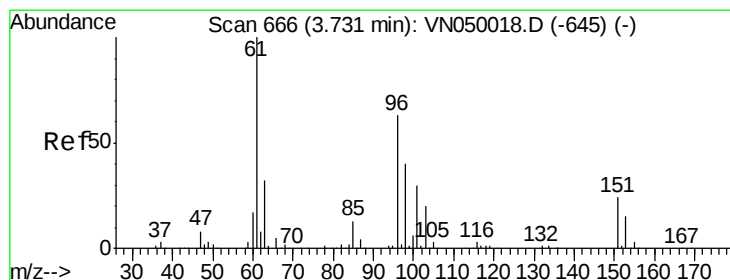
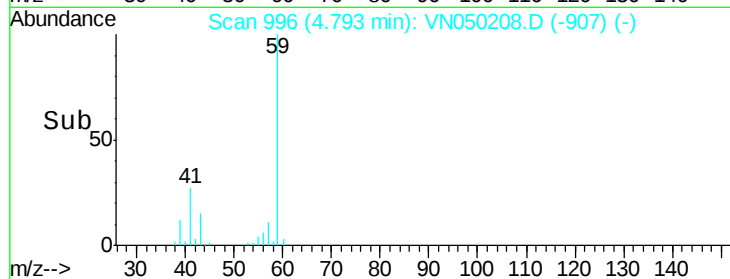
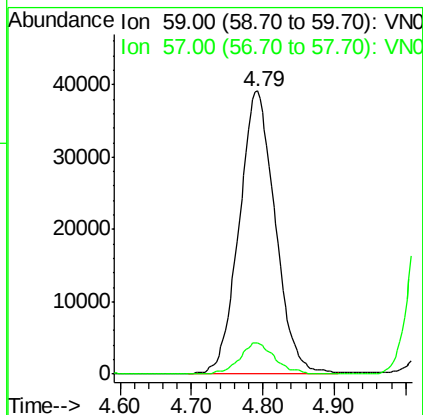
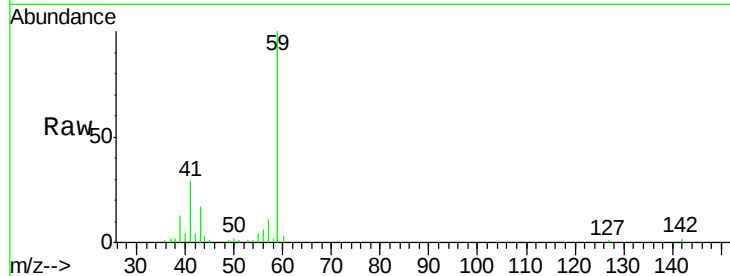


#11

Tert butyl alcohol
 Concen: 210.47 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

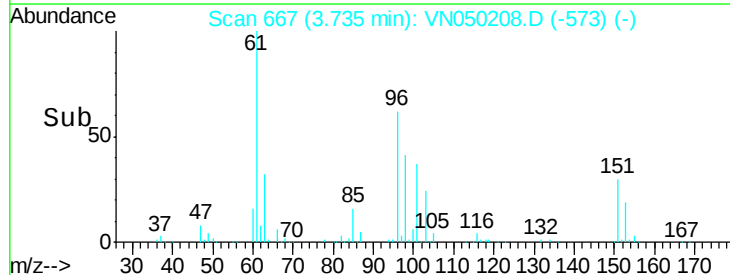
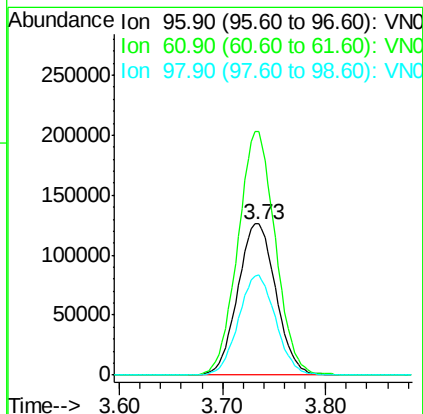
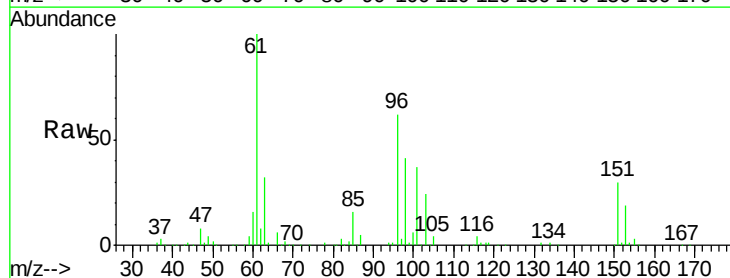
Tot Ion: 59 Resp: 137511
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.5 12.7

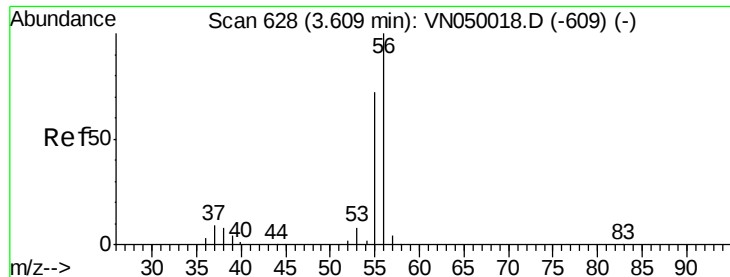


#12

1,1-Dichloroethene
 Concen: 44.25 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion: 96 Resp: 324598
 Ion Ratio Lower Upper
 96 100
 61 160.5 124.4 186.6
 98 65.9 48.3 72.5





#13

Acrolein

Concen: 94.73 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

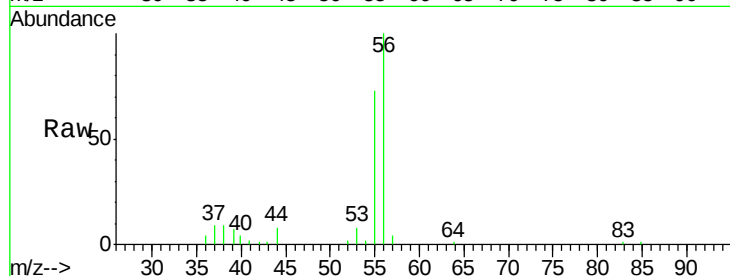
VSTDCCC050

Tot Ion: 56 Resp: 49727

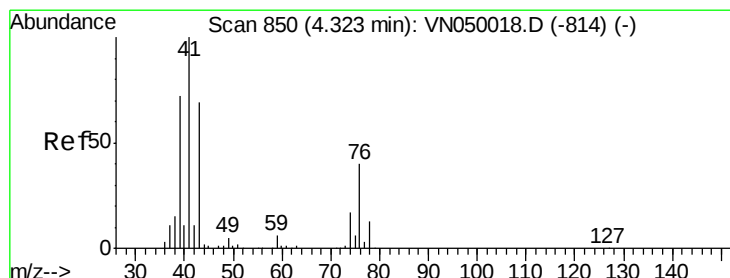
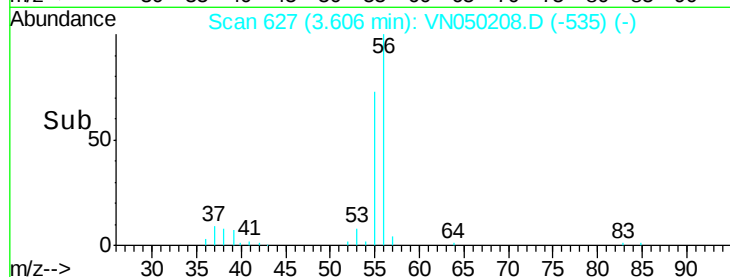
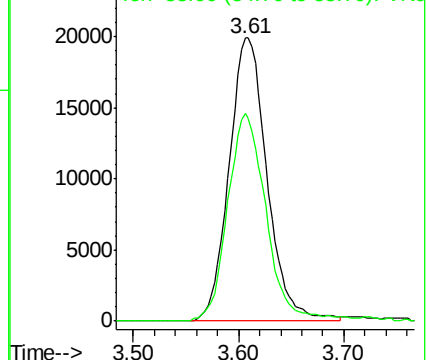
Ion Ratio Lower Upper

56 100

55 74.3 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 46.84 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

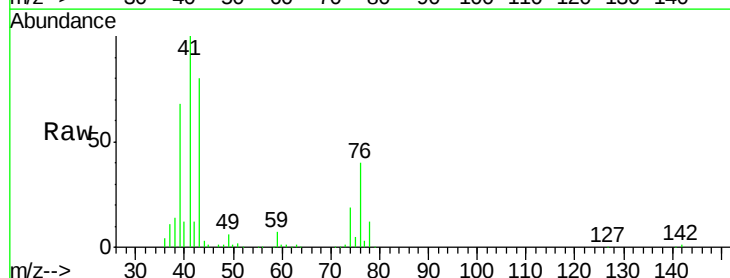
Tgt Ion: 41 Resp: 532804

Ion Ratio Lower Upper

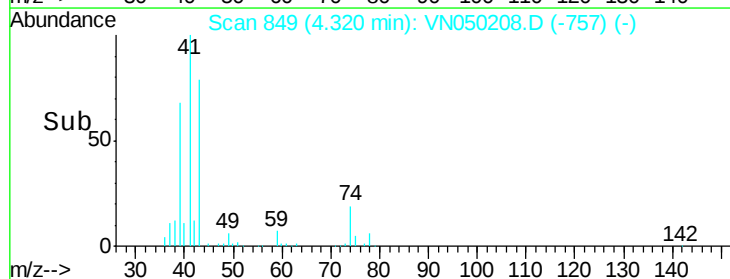
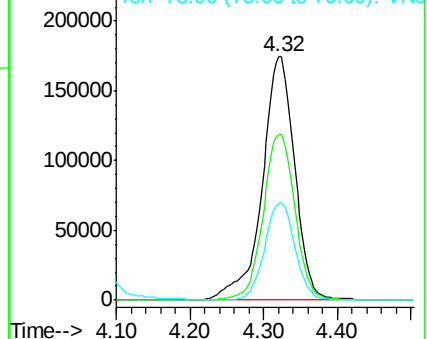
41 100

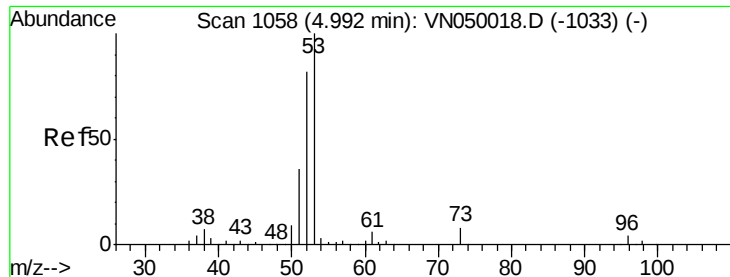
39 66.7 54.2 81.4

76 37.3 29.0 43.6



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: 224.83 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

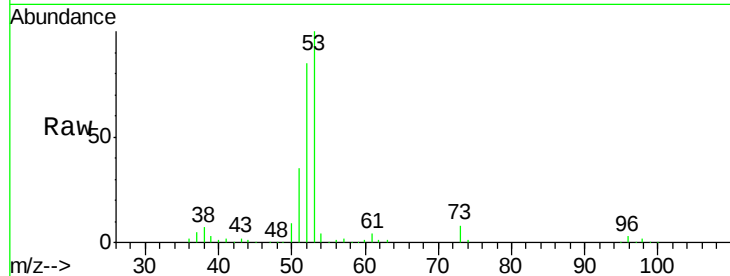
Tot Ion: 53 Resp: 640882

Ion Ratio Lower Upper

53 100

52 82.8 66.2 99.2

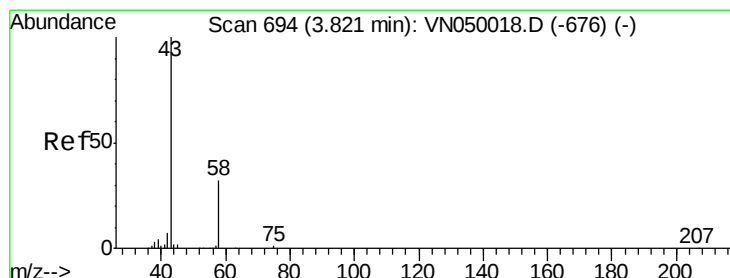
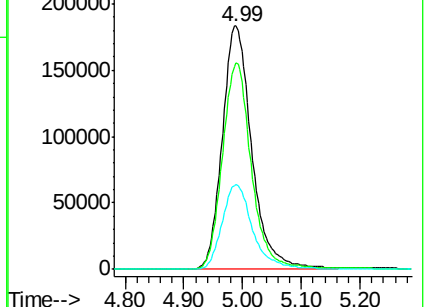
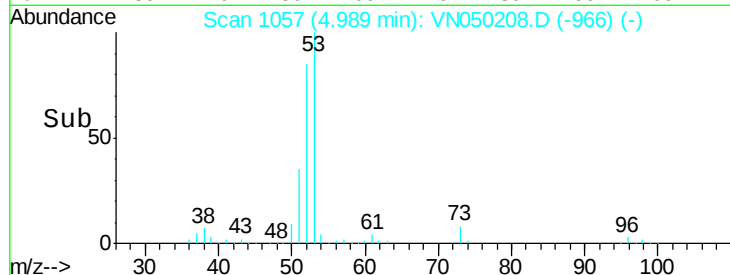
51 36.0 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN050208.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN050208.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN050208.D (-966) (-)



#16

Acetone

Concen: 266.95 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN050208.D

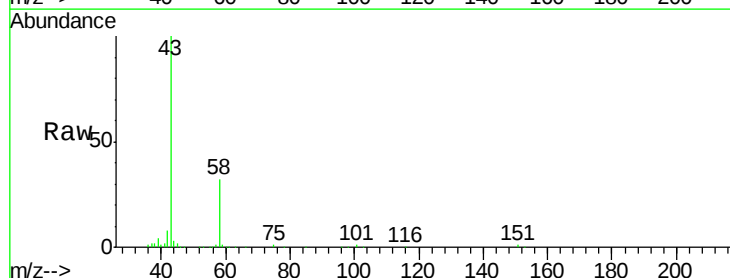
Acq: 31 Jul 2018 11:49

Tgt Ion: 43 Resp: 557736

Ion Ratio Lower Upper

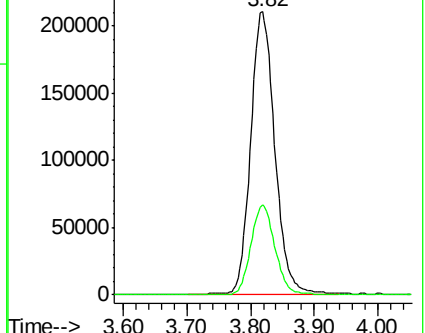
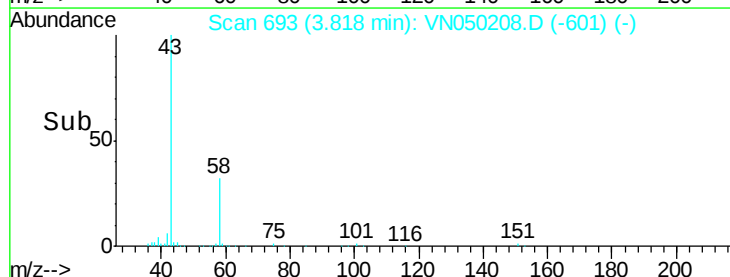
43 100

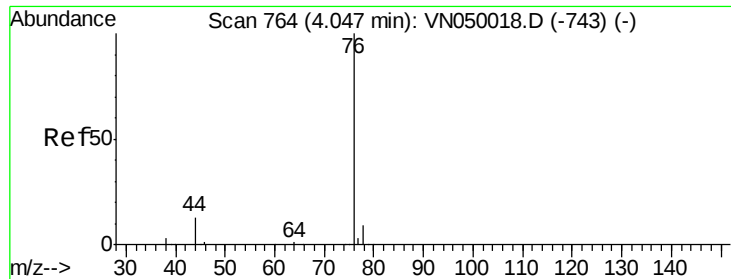
58 31.7 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050208.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN050208.D (-601) (-)

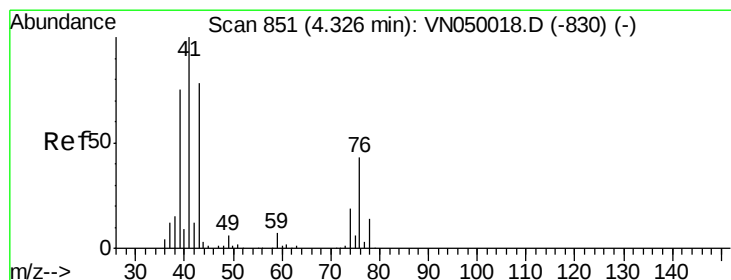
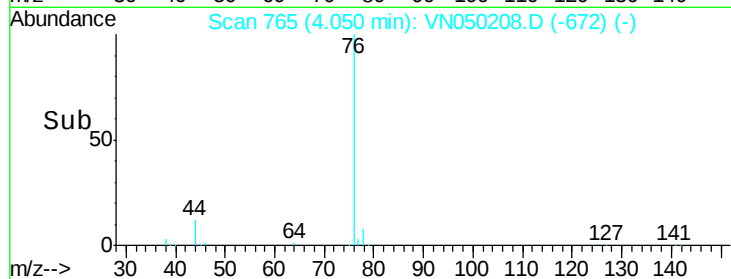
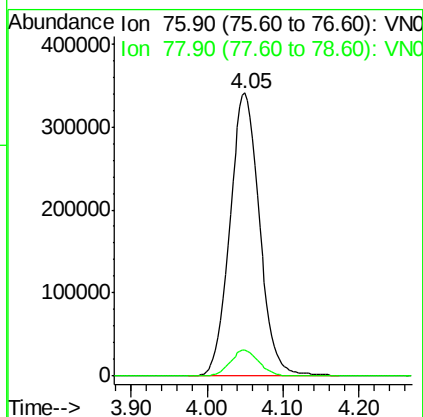
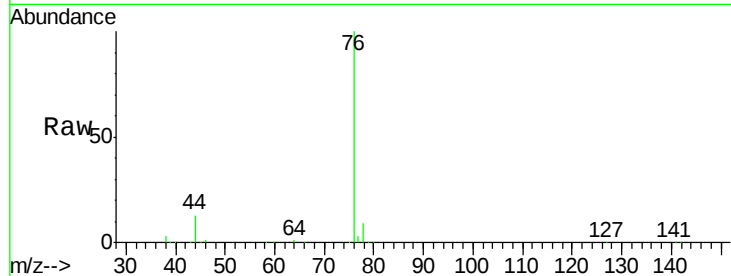




#17
Carbon Disulfide
Concen: 41.06 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

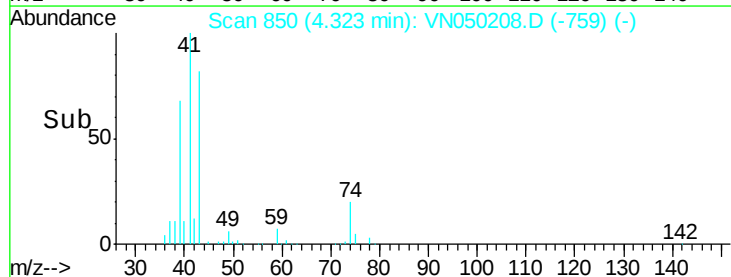
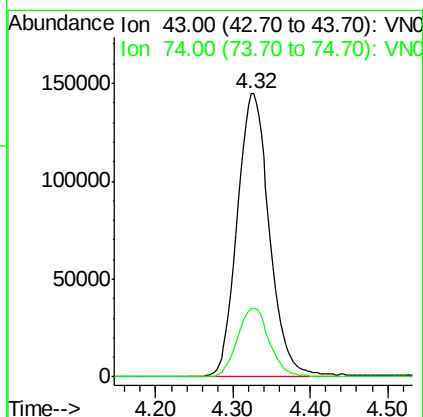
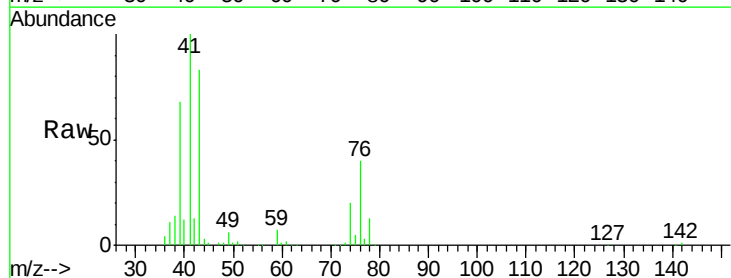
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

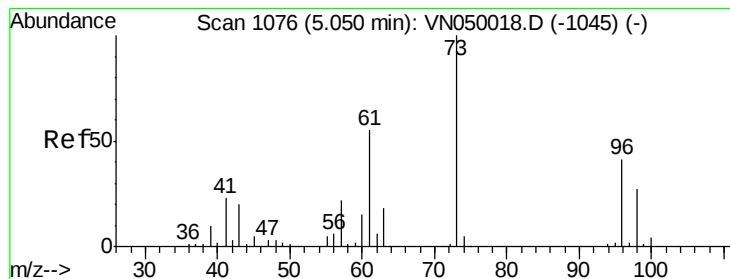
Tot Ion: 76 Resp: 922796
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 51.37 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.01 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 43 Resp: 417585
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 47.84 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

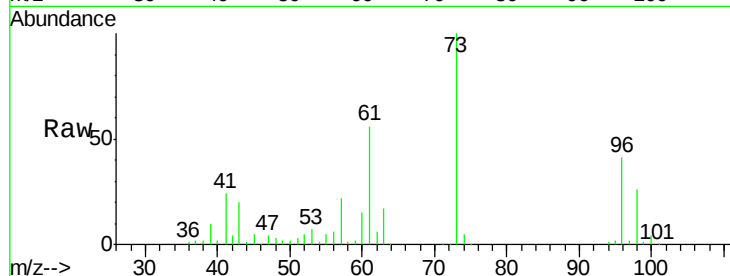
VSTDCCC050

Tot Ion: 73 Resp: 935098

Ion Ratio Lower Upper

73 100

57 22.4 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.05

250000

200000

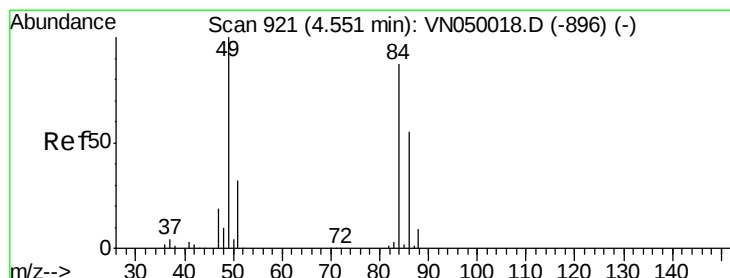
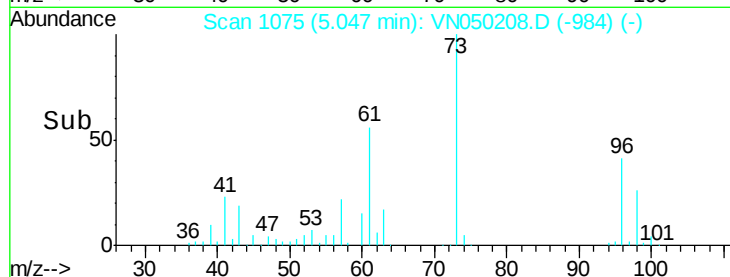
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 48.60 ug/l

RT: 4.55 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Tgt Ion: 84 Resp: 382890

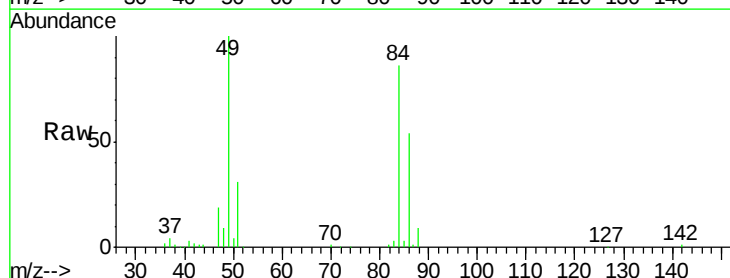
Ion Ratio Lower Upper

84 100

49 115.8 94.8 142.2

51 35.7 28.3 42.5

86 62.4 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

200000

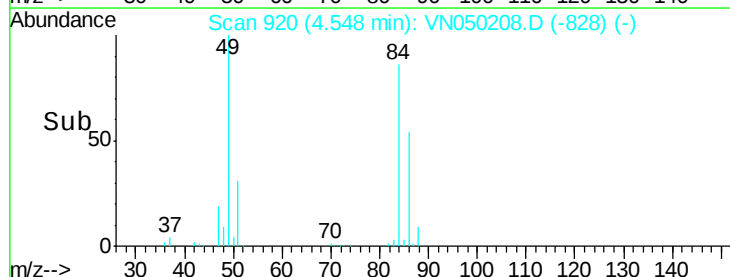
150000

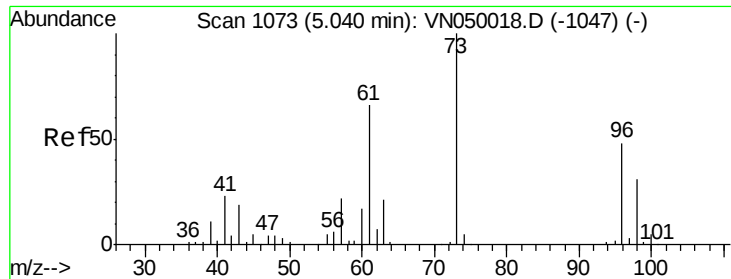
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 45.80 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

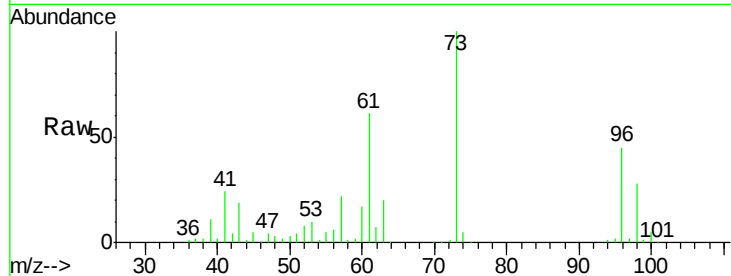
Tot Ion: 96 Resp: 355959

Ion Ratio Lower Upper

96 100

61 136.0 110.7 166.1

98 63.2 51.6 77.4

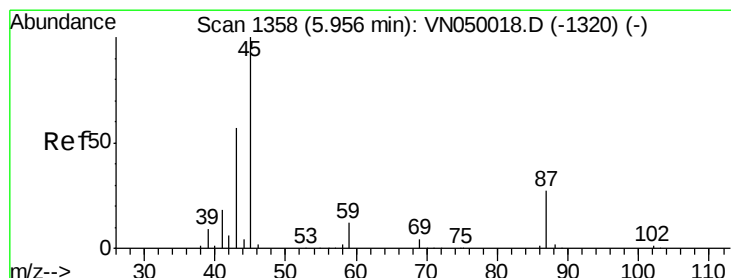
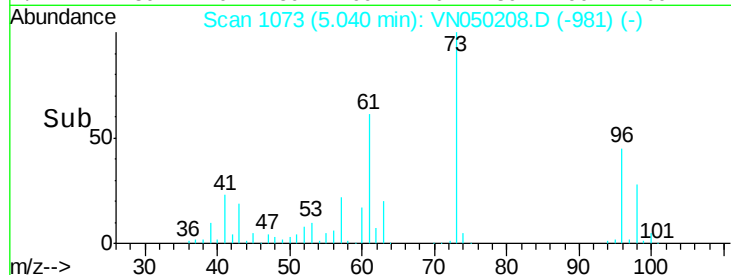
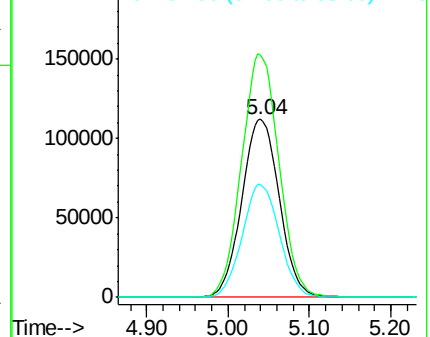


Abundance

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: 51.10 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Tgt Ion: 45 Resp: 1152487

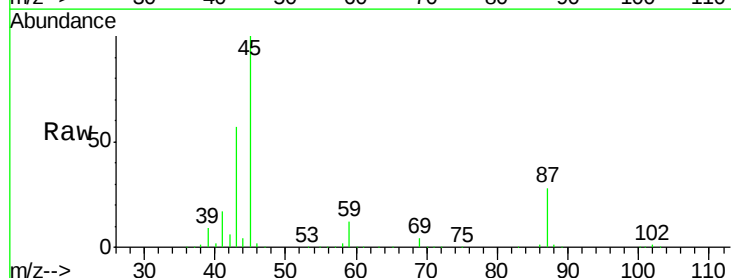
Ion Ratio Lower Upper

45 100

43 55.9 45.7 68.5

87 27.9 22.7 34.1

59 11.9 9.5 14.3



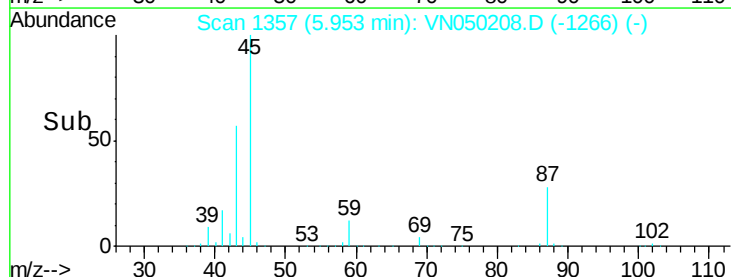
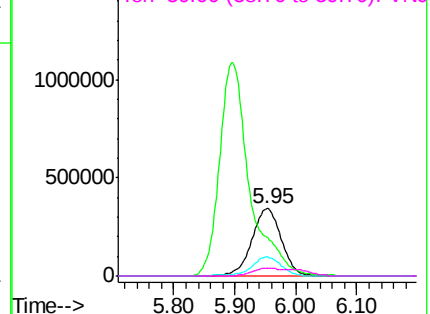
Abundance

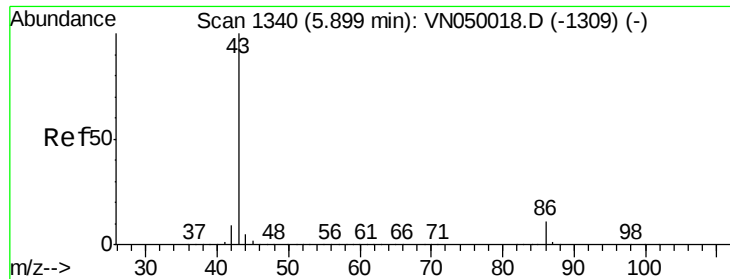
Ion 45.00 (44.70 to 45.70): VN0

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: 234.57 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

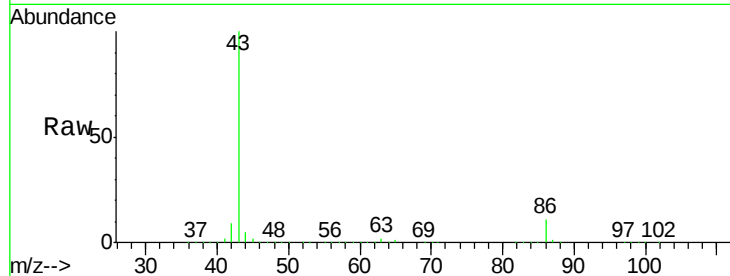
VSTDCCC050

Tot Ion: 43 Resp: 3738464

Ion Ratio Lower Upper

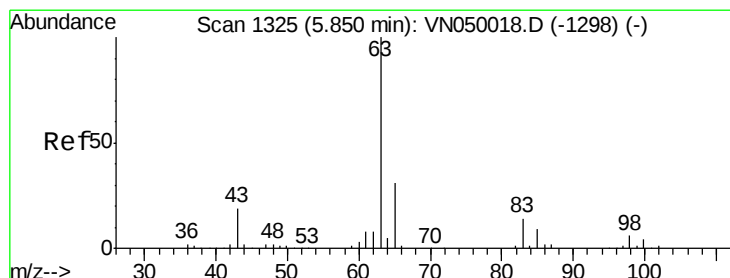
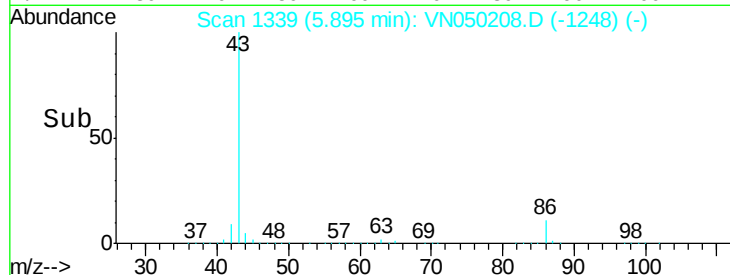
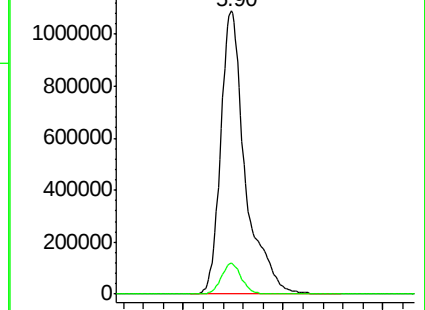
43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-1309) (-)

Ion 86.00 (85.70 to 86.70): VN050018.D (-1309) (-)



#24

1,1-Dichloroethane

Concen: 46.24 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

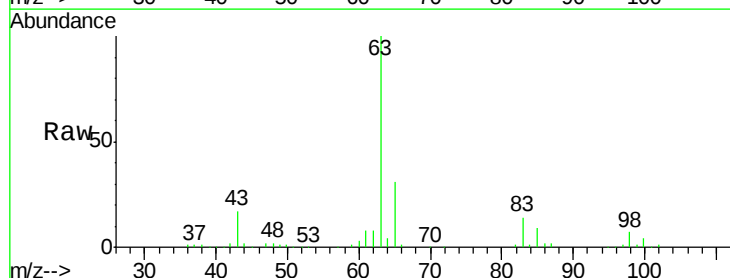
Tgt Ion: 63 Resp: 681929

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

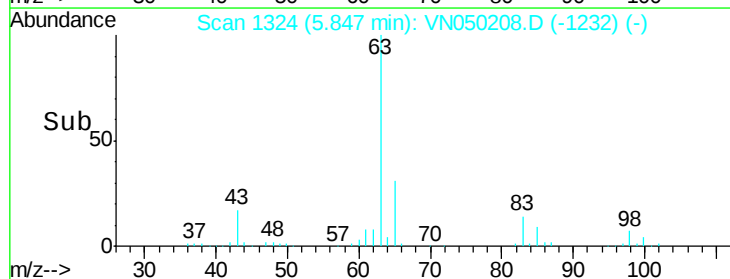
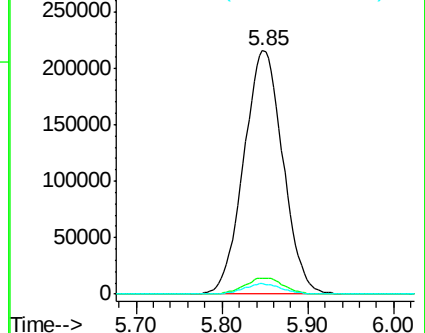
100 4.2 2.1 6.3

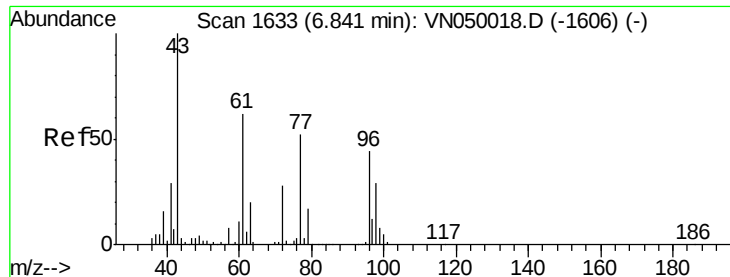


Abundance Ion 62.90 (62.60 to 63.60): VN050018.D (-1298) (-)

Ion 97.90 (97.60 to 98.60): VN050018.D (-1298) (-)

Ion 99.90 (99.60 to 100.60): VN050018.D (-1298) (-)

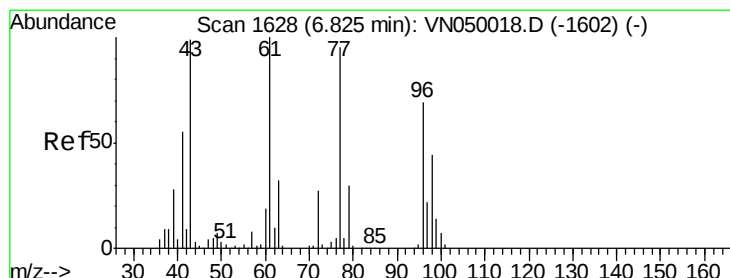
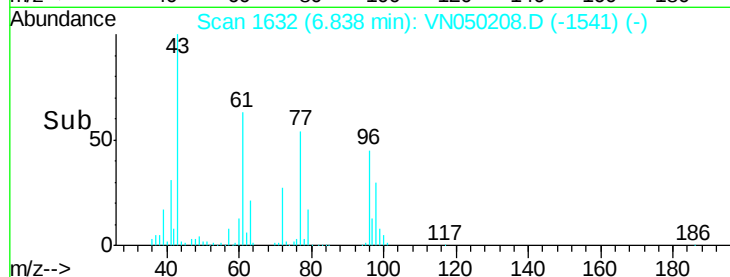
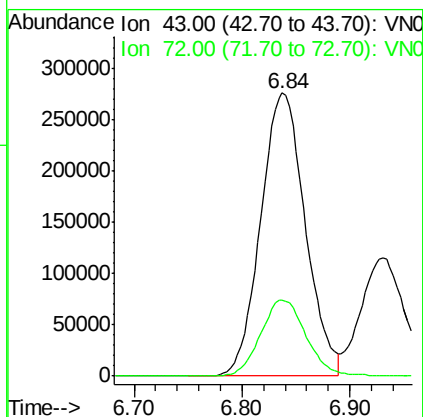
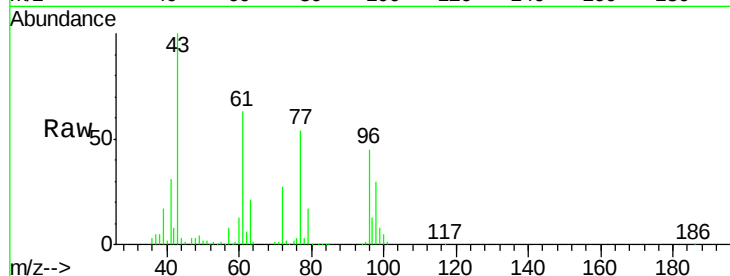




#25
 2-Butanone
 Concen: 232.91 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

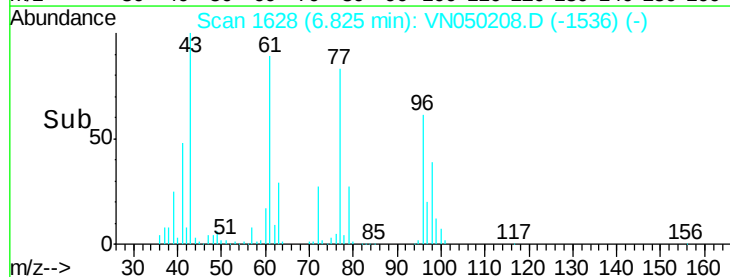
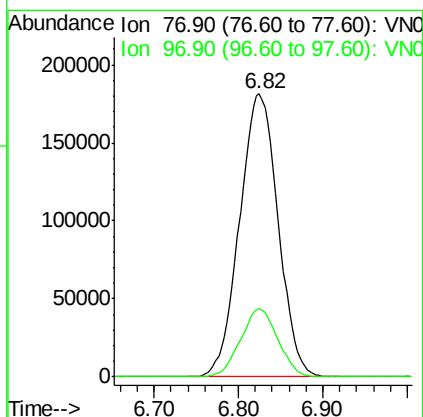
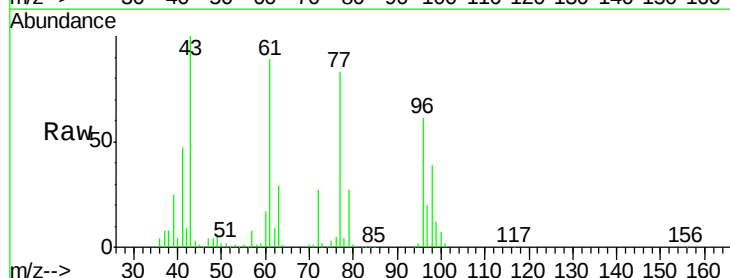
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

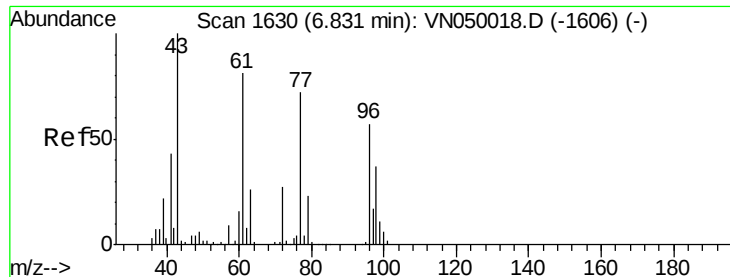
Tot Ion: 43 Resp: 788861
 Ion Ratio Lower Upper
 43 100
 72 26.8 21.5 32.3



#26
 2,2-Dichloropropane
 Concen: 51.29 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion: 77 Resp: 575430
 Ion Ratio Lower Upper
 77 100
 97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 47.89 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

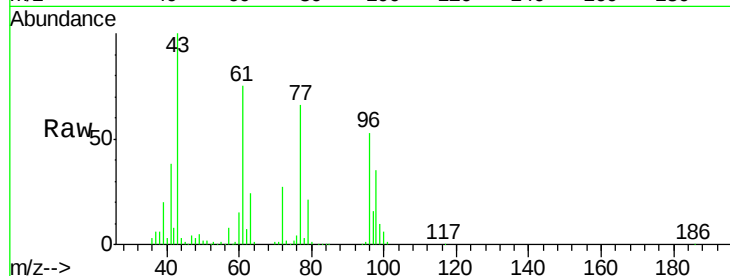
Tot Ion: 96 Resp: 400668

Ion Ratio Lower Upper

96 100

61 145.0 0.0 285.0

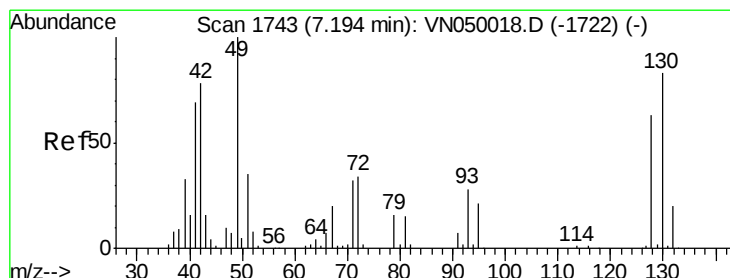
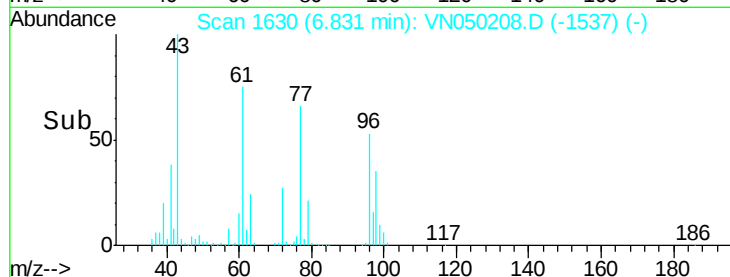
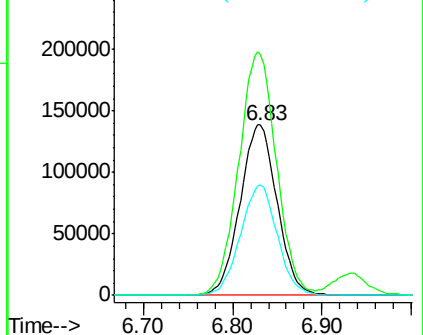
98 64.4 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.44 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

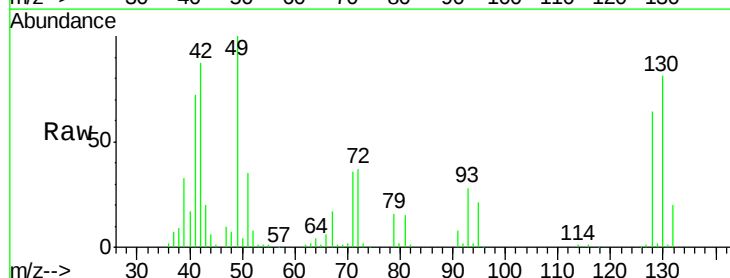
Tgt Ion: 49 Resp: 325820

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

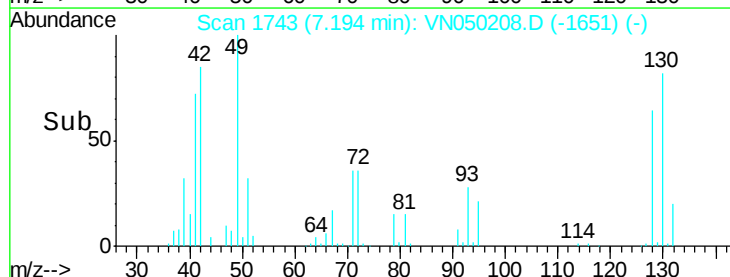
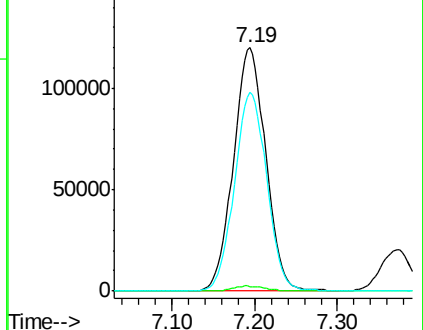
130 81.8 66.3 99.5

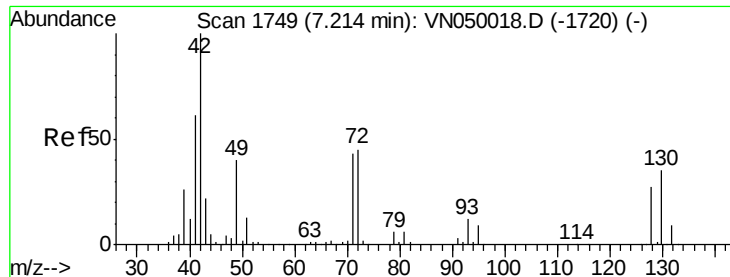


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

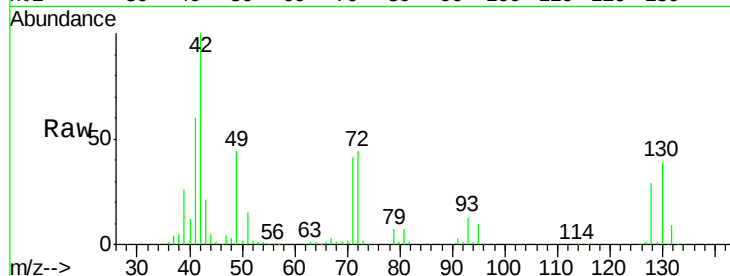




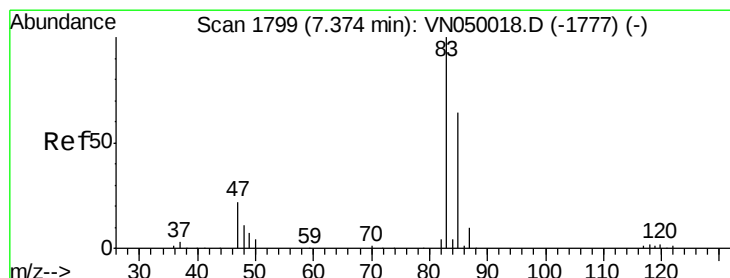
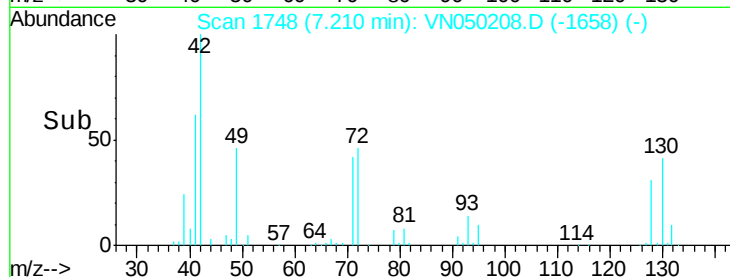
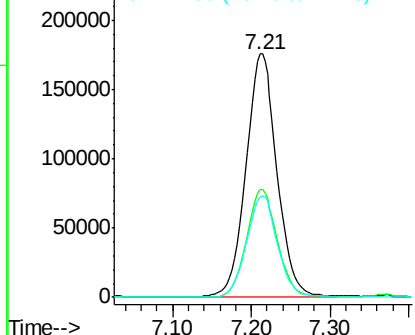
#29
Tetrahydrofuran
Concen: 223.02 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 488117
Ion Ratio Lower Upper
42 100
72 44.0 35.9 53.9
71 41.8 33.7 50.5

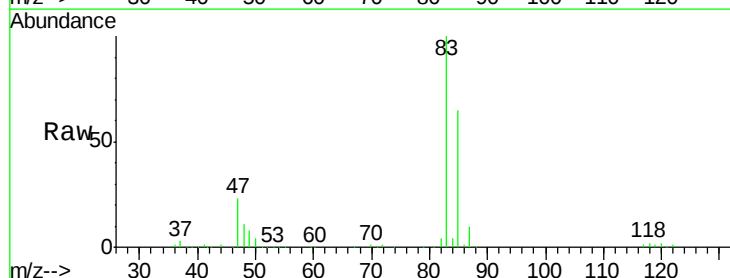


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

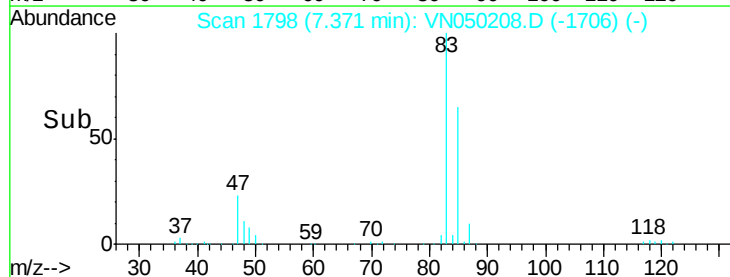
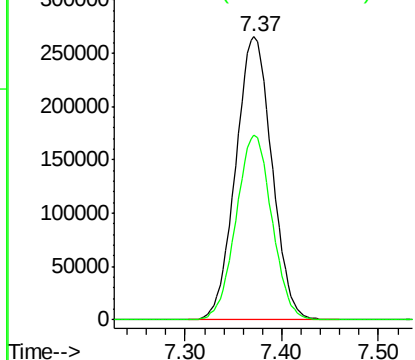


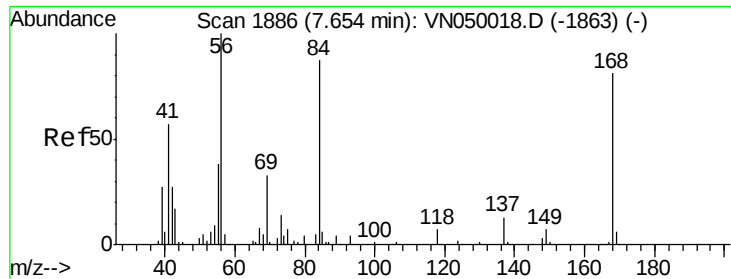
#30
Chloroform
Concen: 45.99 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 83 Resp: 692047
Ion Ratio Lower Upper
83 100
85 65.2 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

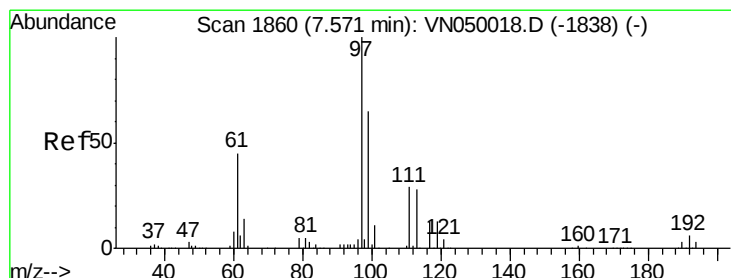
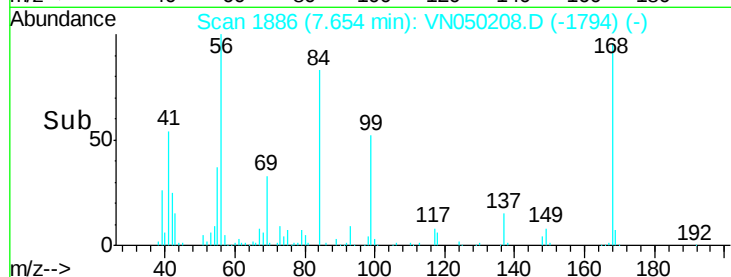
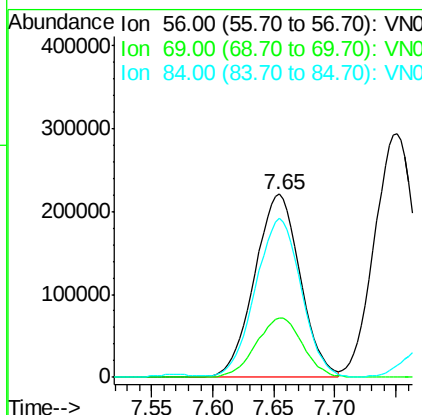
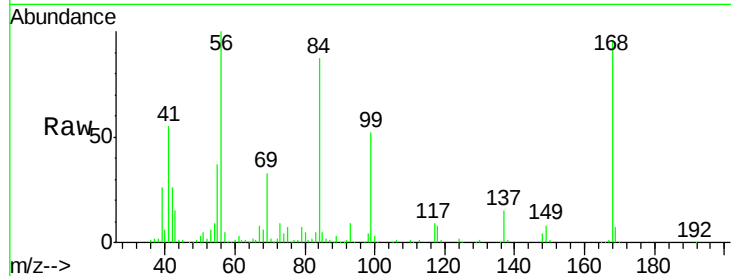




#31
Cyclohexane
Concen: 46.93 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

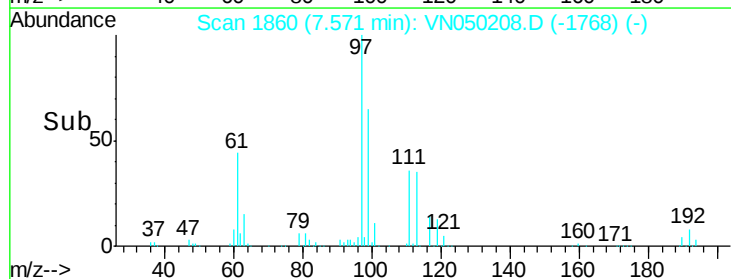
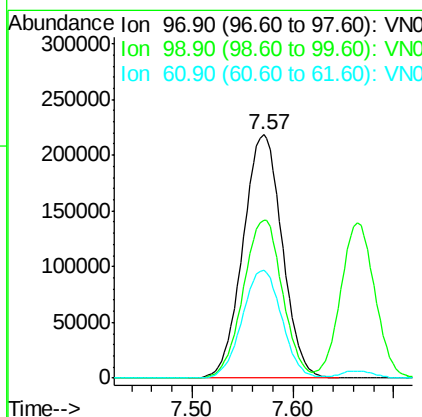
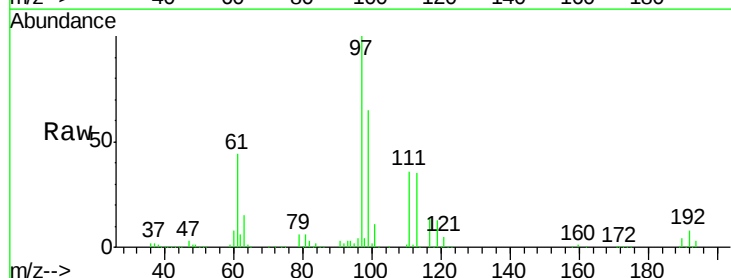
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

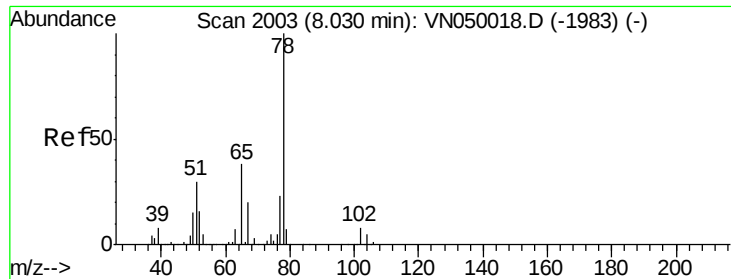
Tot Ion: 56 Resp: 574033
Ion Ratio Lower Upper
56 100
69 32.8 26.2 39.4
84 85.4 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 45.74 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 97 Resp: 588821
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.0
61 44.6 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 47.55 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

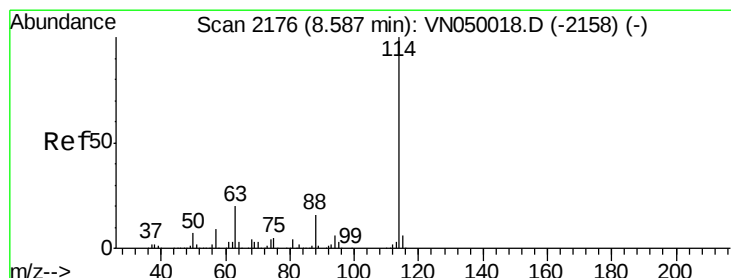
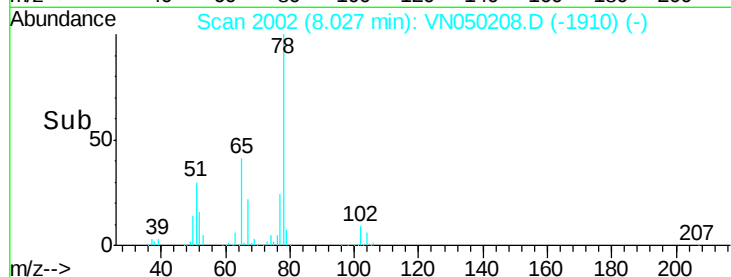
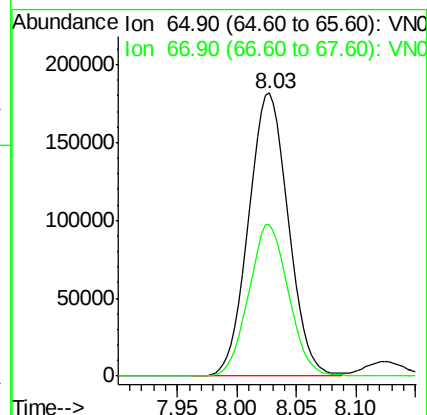
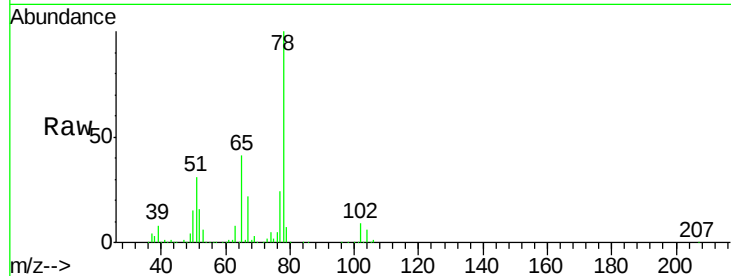
VSTDCCC050

Tot Ion: 65 Resp: 422197

Ion Ratio Lower Upper

65 100

67 53.6 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

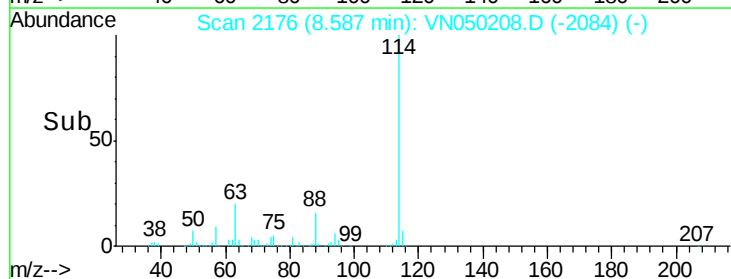
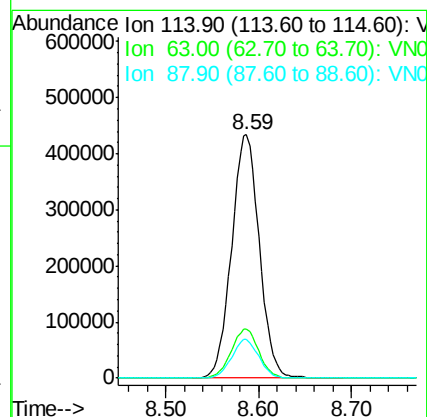
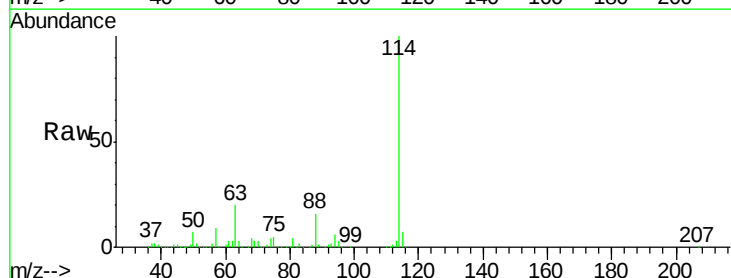
Tgt Ion: 114 Resp: 898019

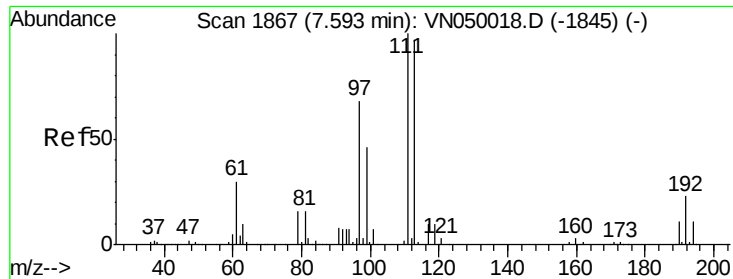
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 15.8 0.0 31.2

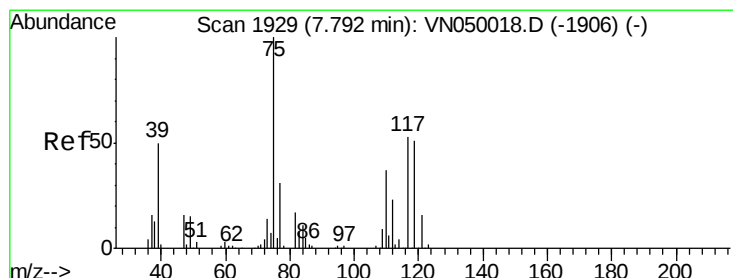
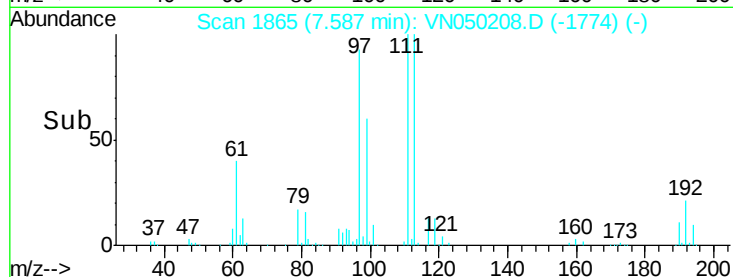
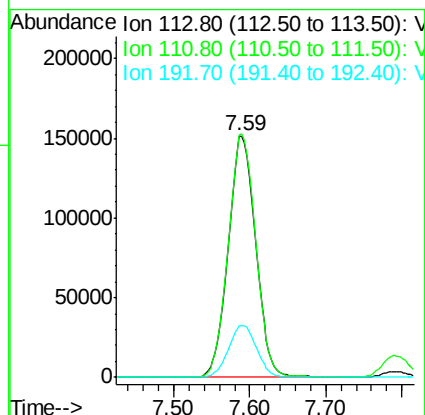
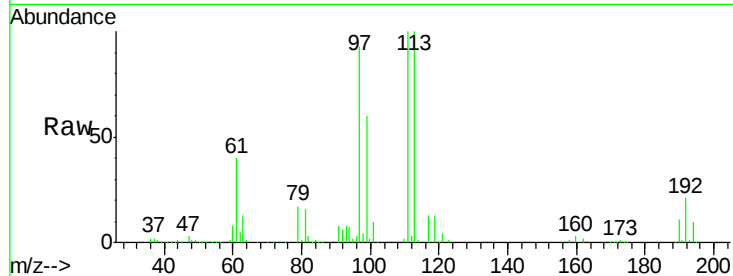




#35
 Dibromofluoromethane
 Concen: 52.07 ug/l
 RT: 7.59 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

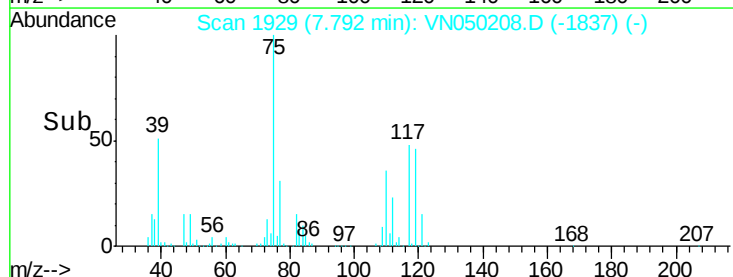
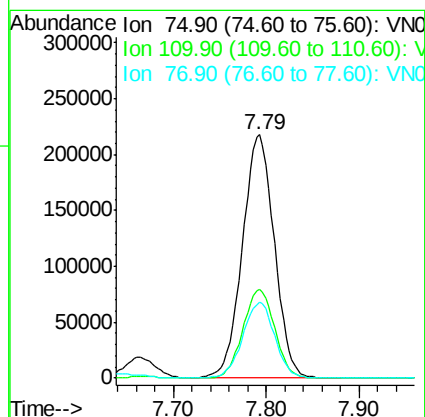
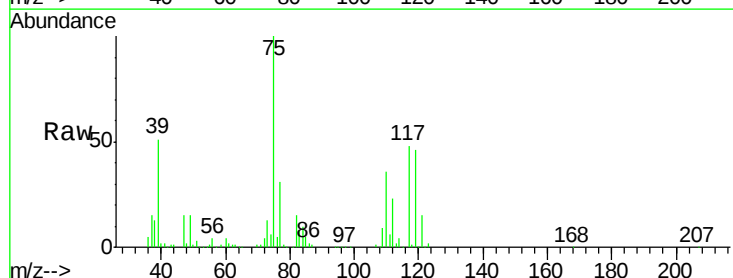
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

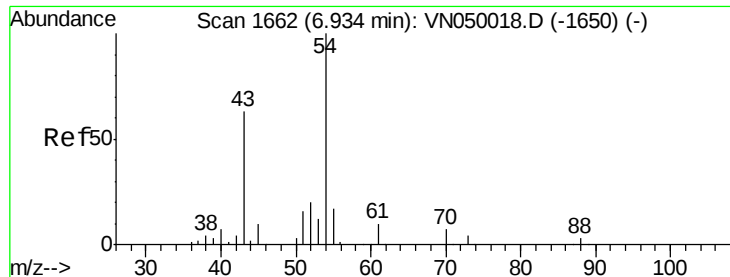
Tot Ion:113 Resp: 381748
 Ion Ratio Lower Upper
 113 100
 111 100.3 80.7 121.1
 192 22.0 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 51.28 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion: 75 Resp: 518803
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.4 55.2
 77 31.5 25.3 37.9

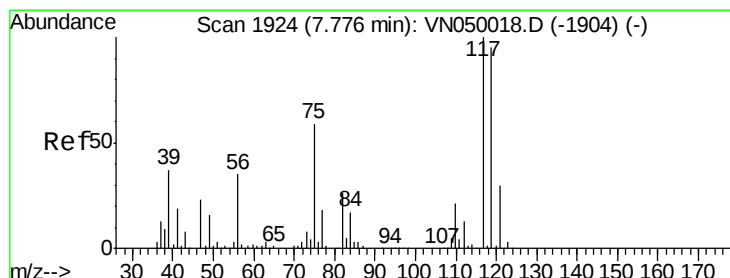
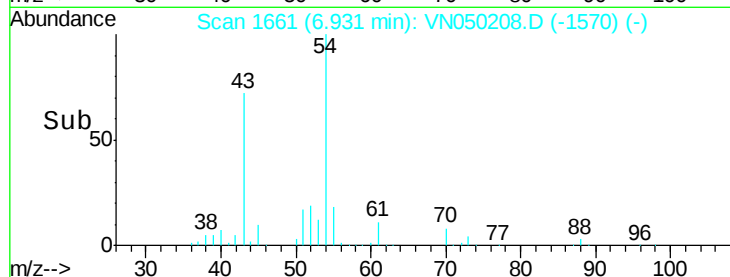
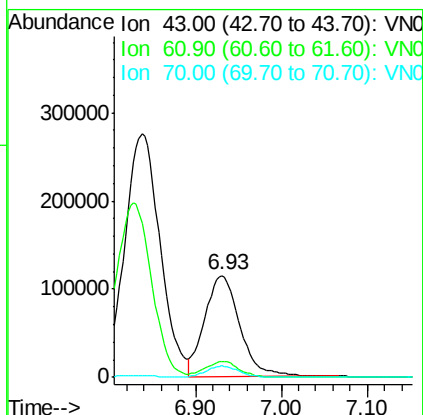
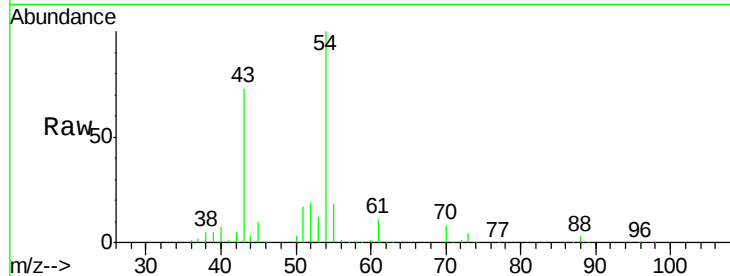




#37
Ethyl Acetate
Concen: 46.40 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

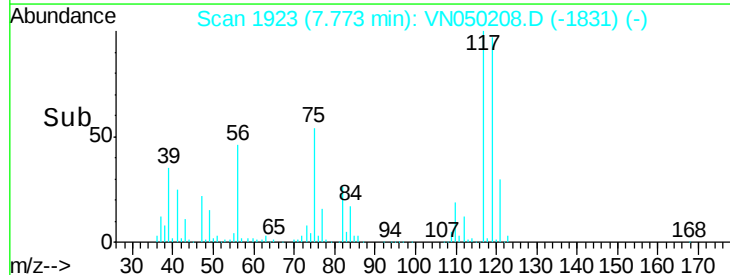
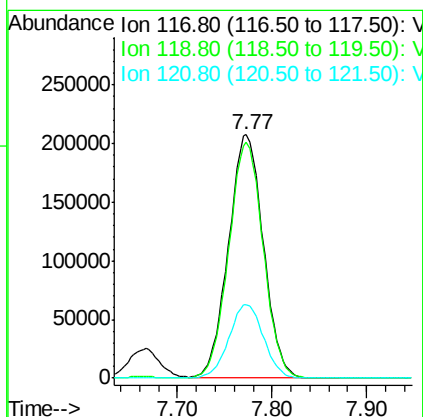
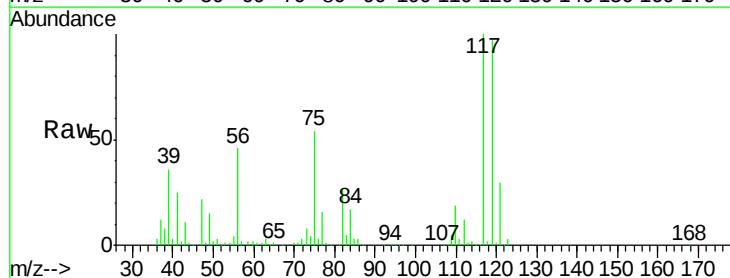
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

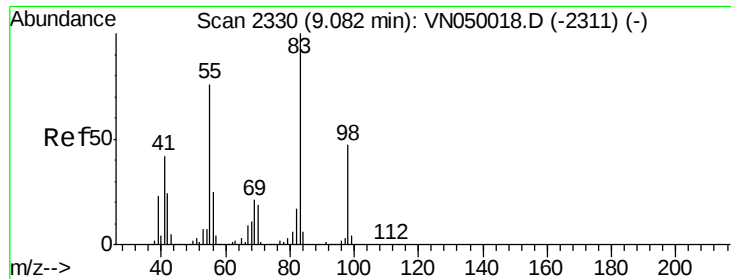
Tot Ion: 43 Resp: 327305
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.8
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.46 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 117 Resp: 530966
Ion Ratio Lower Upper
117 100
119 96.8 77.4 116.0
121 30.4 23.9 35.9

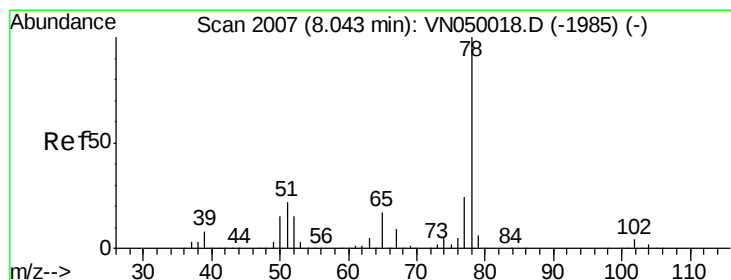
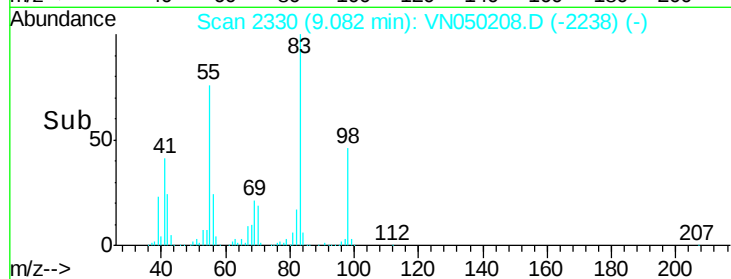
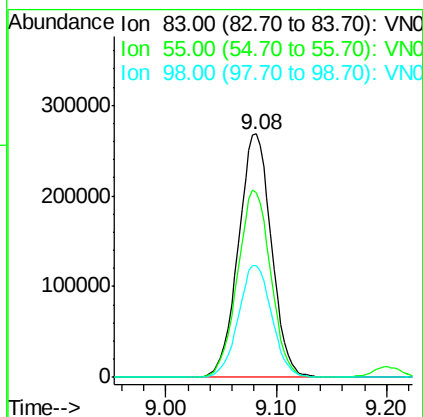
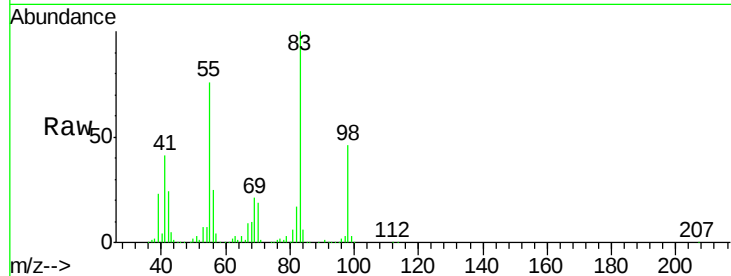




#39
Methvlcvclohexane
Concen: 53.42 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

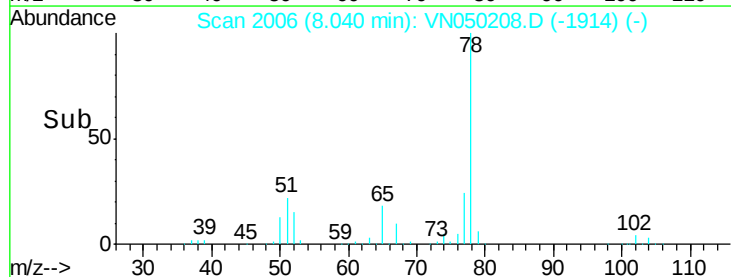
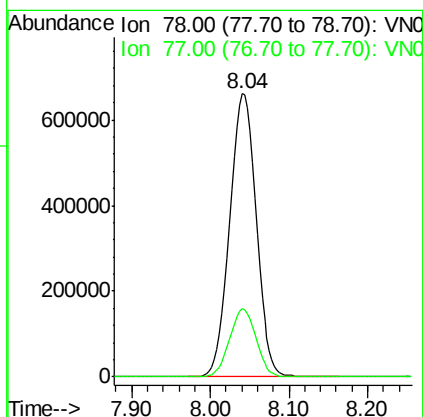
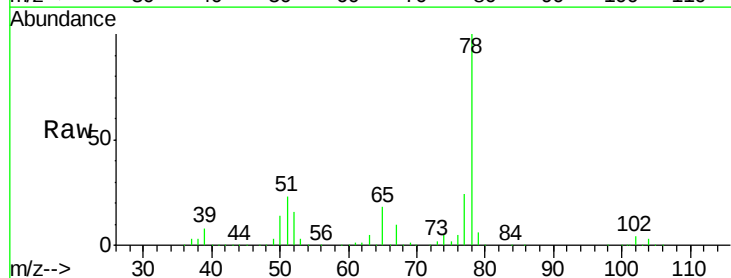
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

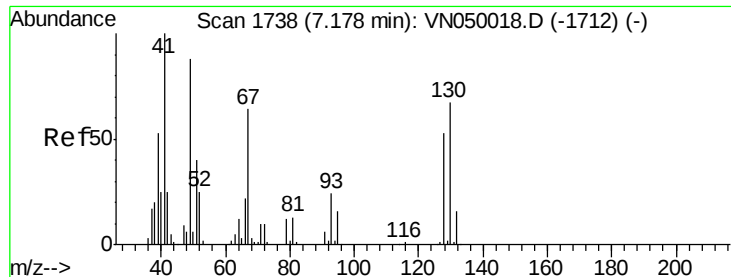
Tot Ion: 83 Resp: 556025
Ion Ratio Lower Upper
83 100
55 76.0 61.8 92.8
98 45.8 36.5 54.7



#40
Benzene
Concen: 50.40 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 78 Resp: 1551537
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1

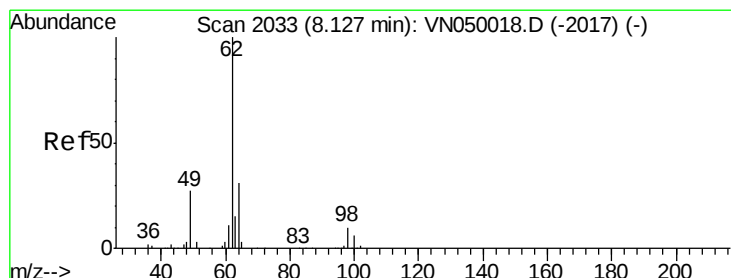
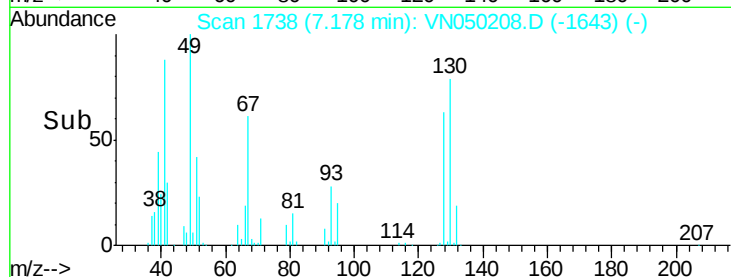
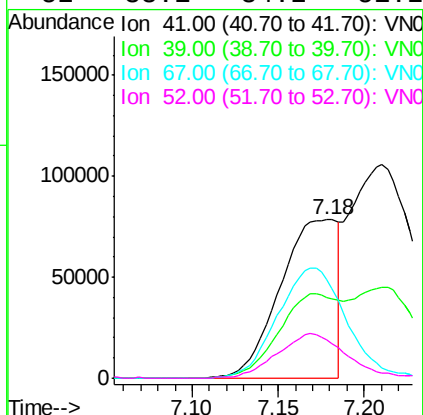
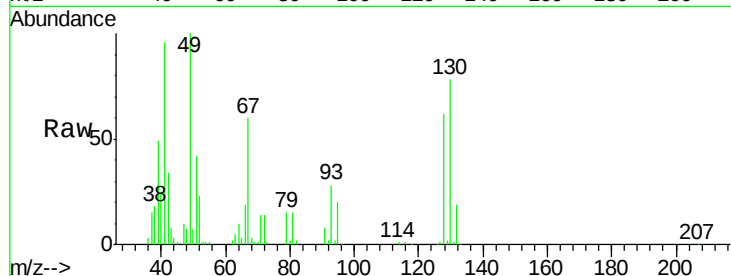




#41
Methacrylonitrile
Concen: 49.62 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

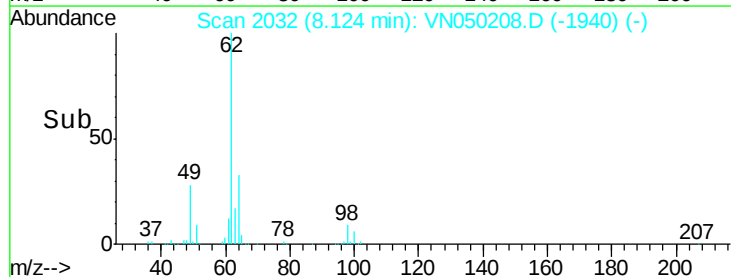
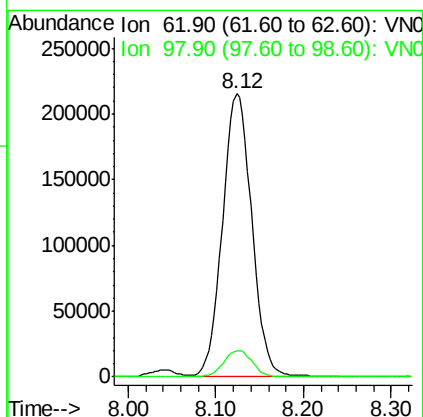
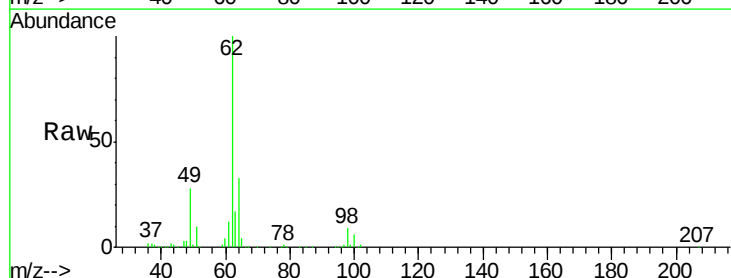
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

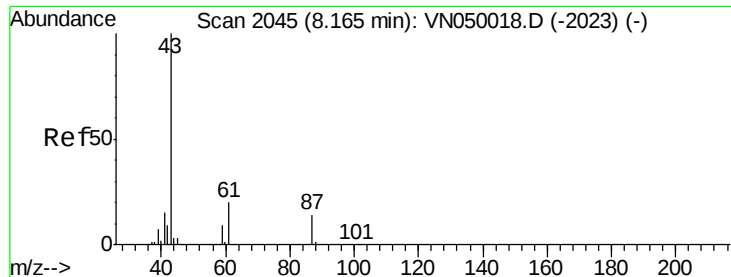
Tot Ion: 41 Resp: 182224
Ion Ratio Lower Upper
41 100
39 57.0 55.8 83.6
67 83.4 84.3 126.5#
52 33.1 34.2 51.2#



#42
1,2-Dichloroethane
Concen: 48.66 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 62 Resp: 499779
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.8





#43

Isopropyl Acetate

Concen: 46.13 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

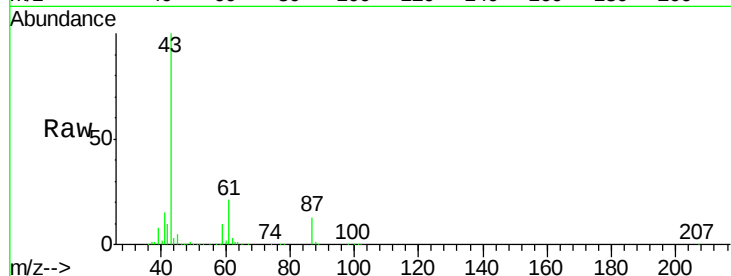
Tot Ion: 43 Resp: 614422

Ion Ratio Lower Upper

43 100

61 19.8 15.8 23.6

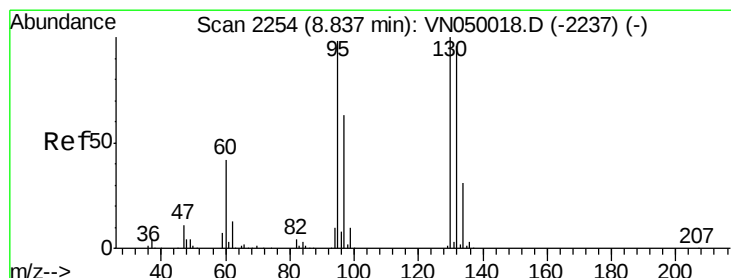
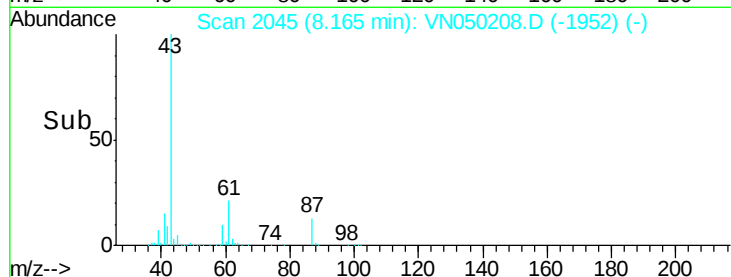
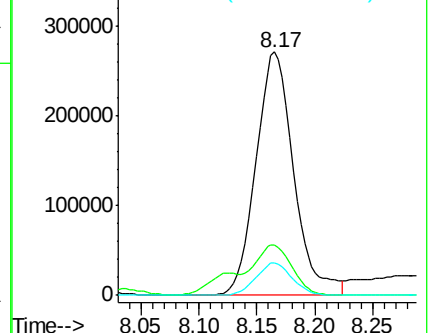
87 12.7 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)



#44

Trichloroethene

Concen: 48.78 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050208.D

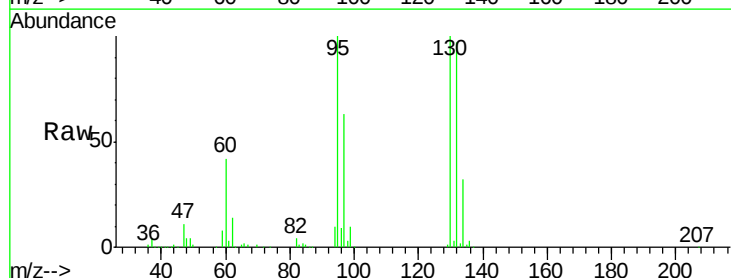
Acq: 31 Jul 2018 11:49

Tgt Ion:130 Resp: 403545

Ion Ratio Lower Upper

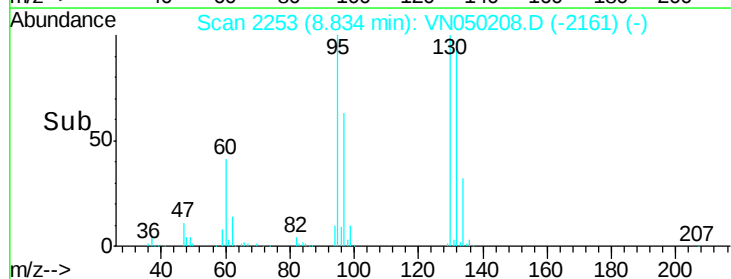
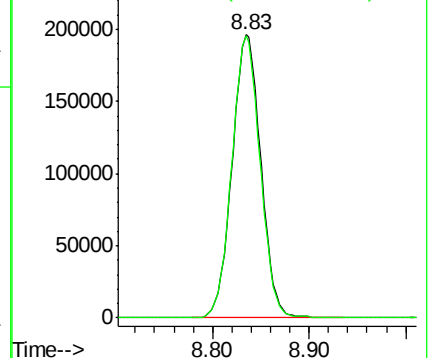
130 100

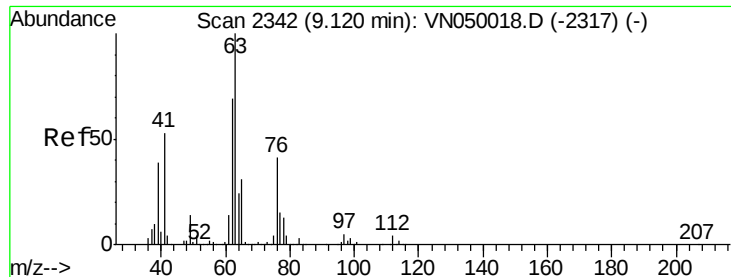
95 99.8 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)





#45

1,2-Dichloropropane

Concen: 50.85 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

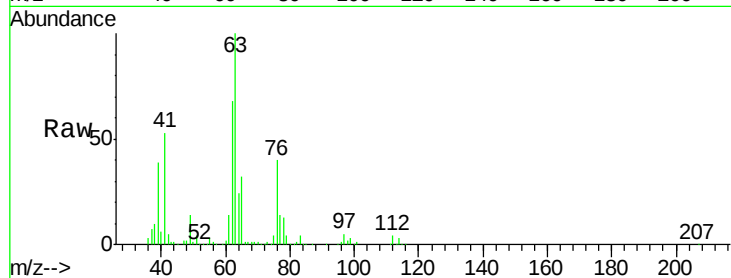
VSTDCCC050

Tot Ion: 63 Resp: 414685

Ion Ratio Lower Upper

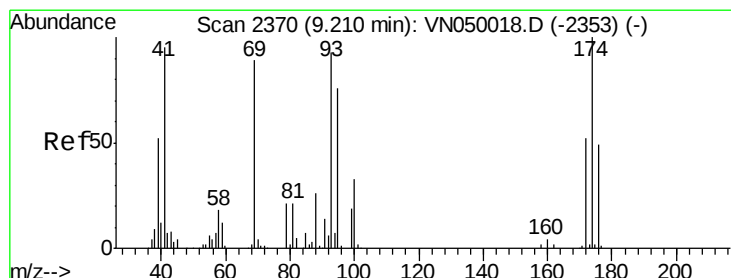
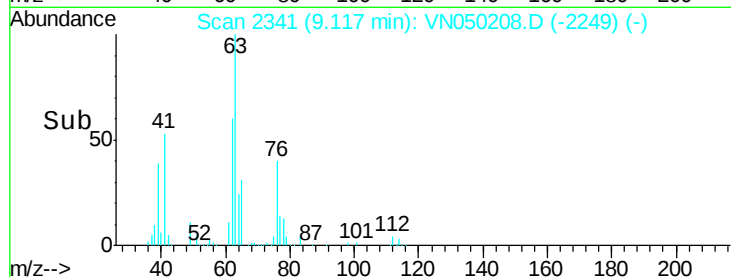
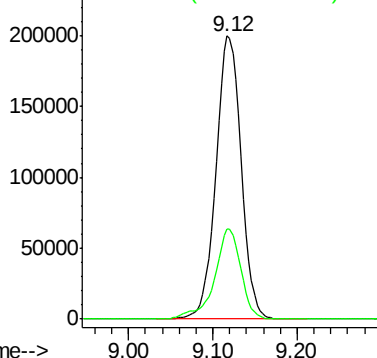
63 100

65 31.9 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 49.45 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

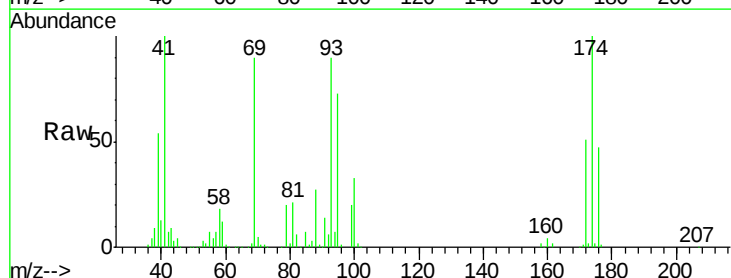
Tgt Ion: 93 Resp: 250382

Ion Ratio Lower Upper

93 100

95 82.5 66.6 100.0

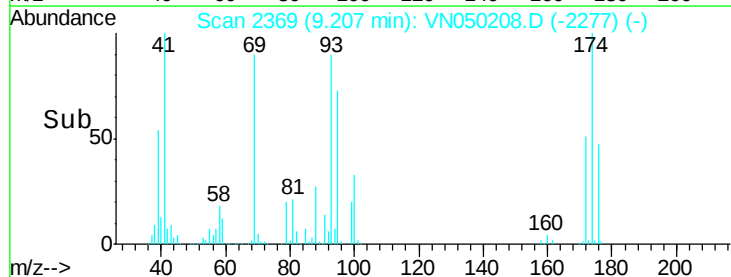
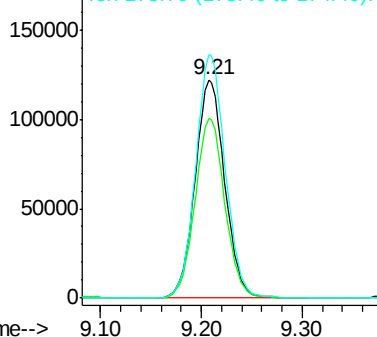
174 111.1 87.1 130.7

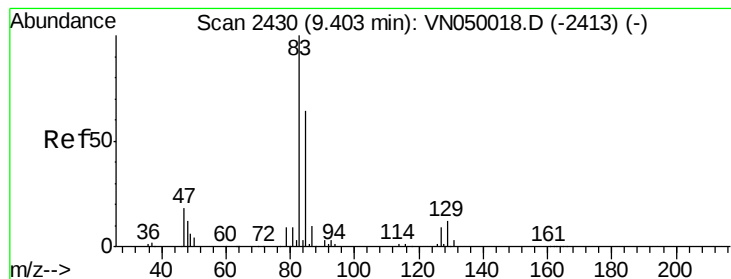


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 50.05 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

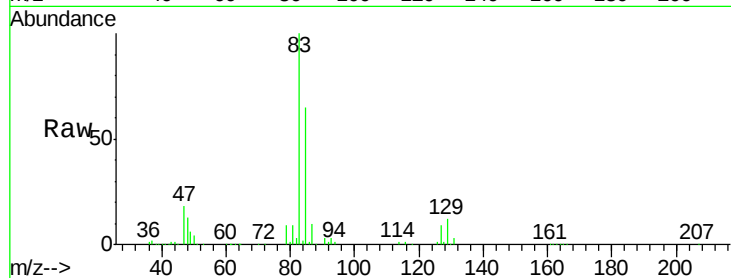
Tot Ion: 83 Resp: 534869

Ion Ratio Lower Upper

83 100

85 64.6 51.1 76.7

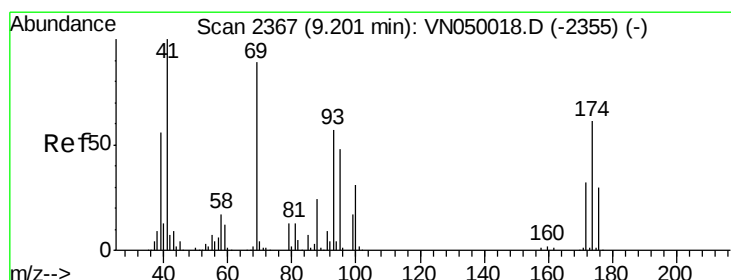
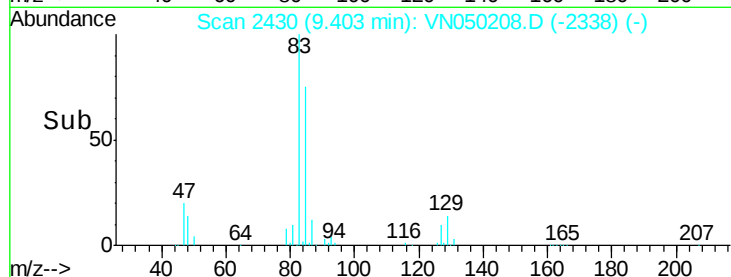
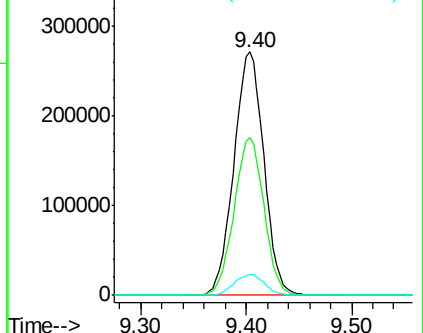
127 8.5 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN050018.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN050018.D (-2413) (-)



#48

Methyl methacrylate

Concen: 50.48 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

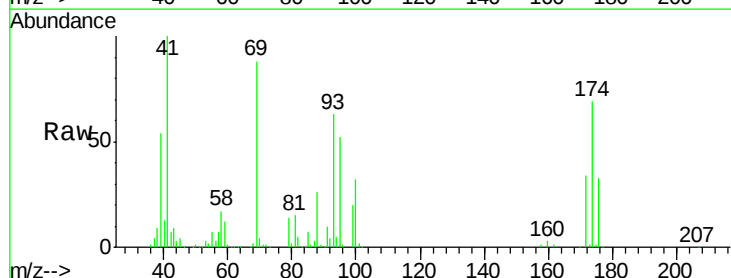
Tgt Ion: 41 Resp: 306678

Ion Ratio Lower Upper

41 100

69 89.8 70.6 105.8

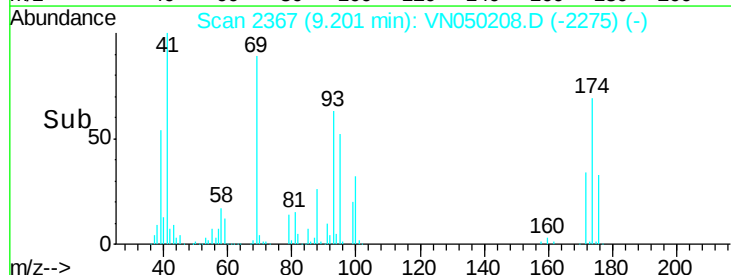
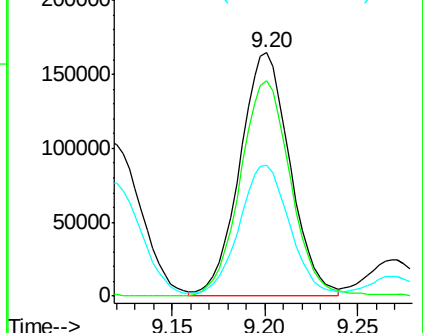
39 54.1 43.9 65.9

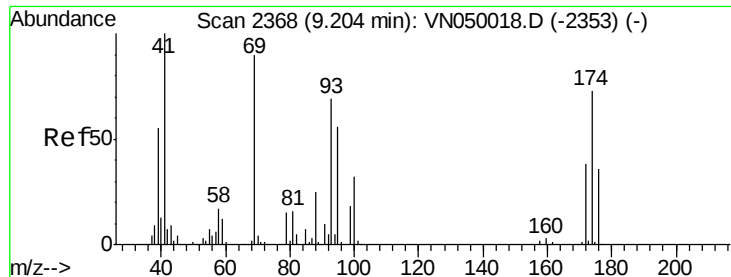


Abundance Ion 41.00 (40.70 to 41.70): VN050018.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN050018.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN050018.D (-2355) (-)

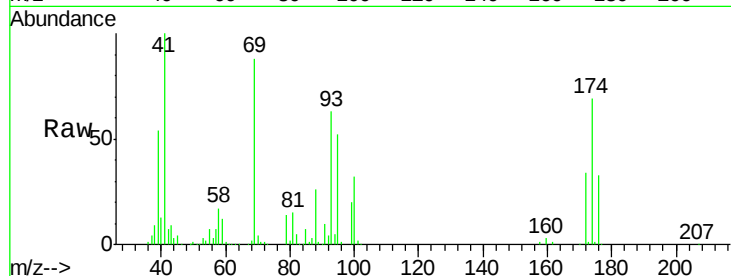




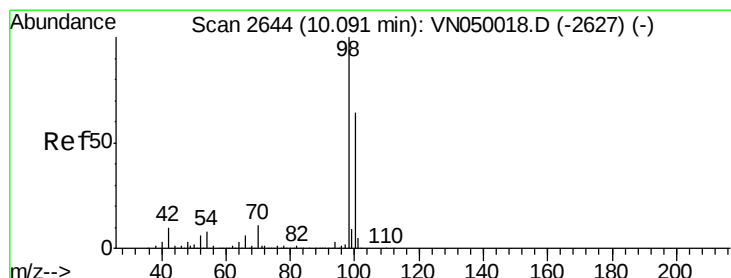
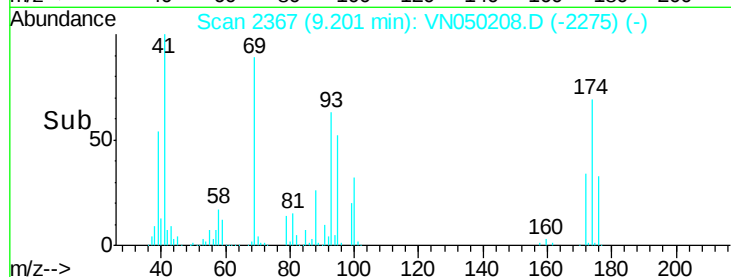
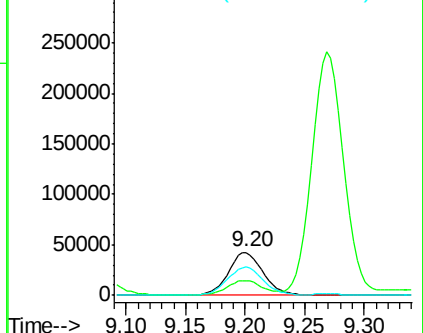
#49
1,4-Dioxane
Concen: 1041.97 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 86145
Ion Ratio Lower Upper
88 100
43 32.6 26.9 40.3
58 69.1 57.3 85.9

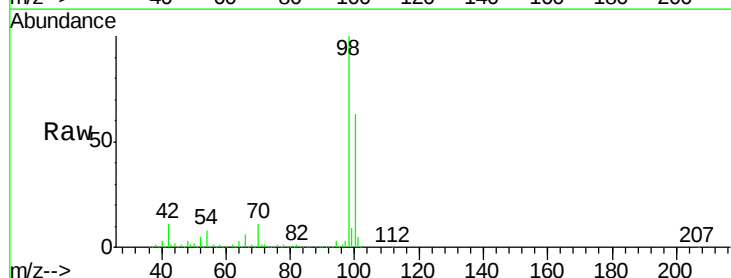


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

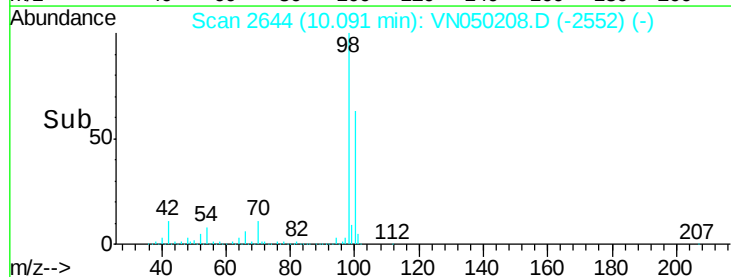
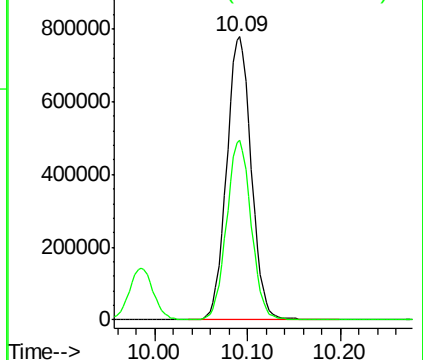


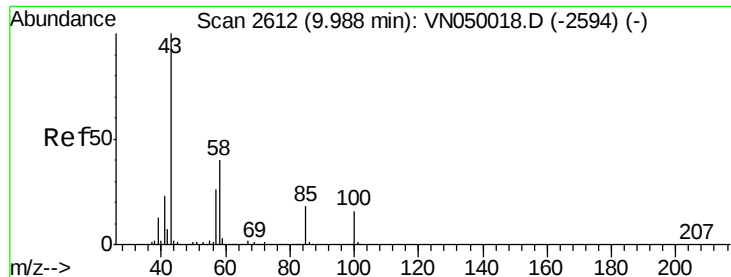
#50
Toluene-d8
Concen: 53.22 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 98 Resp: 1434509
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



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

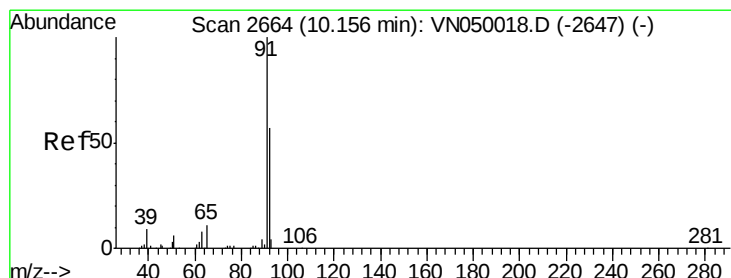
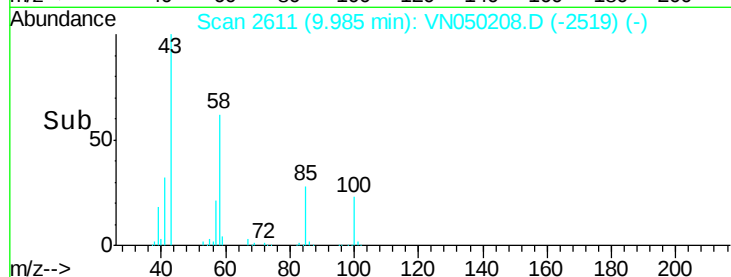
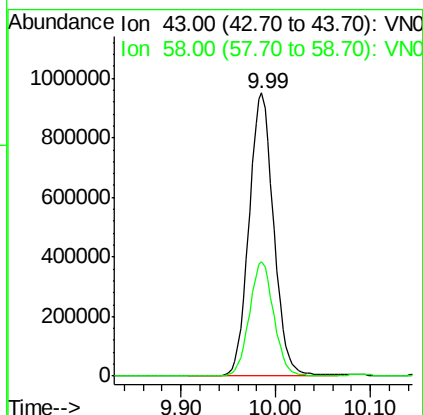
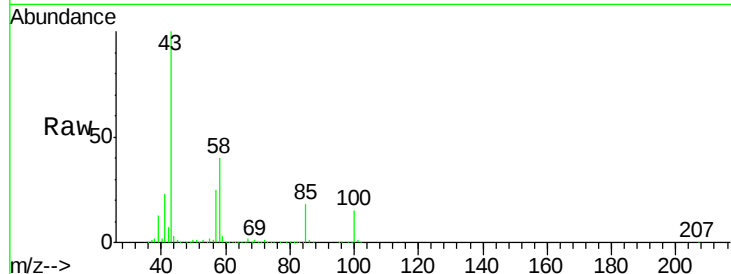




#51
 4-Methyl-2-Pentanone
 Concen: 247.39 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

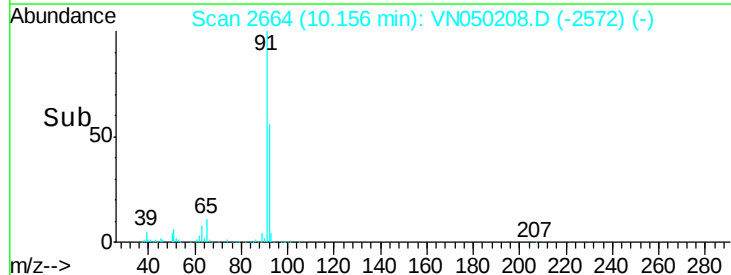
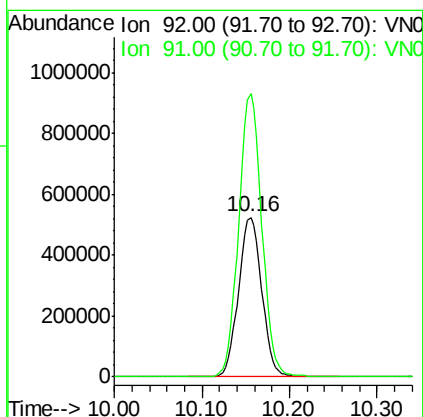
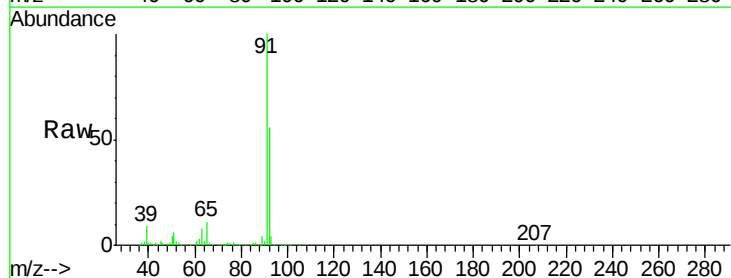
Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

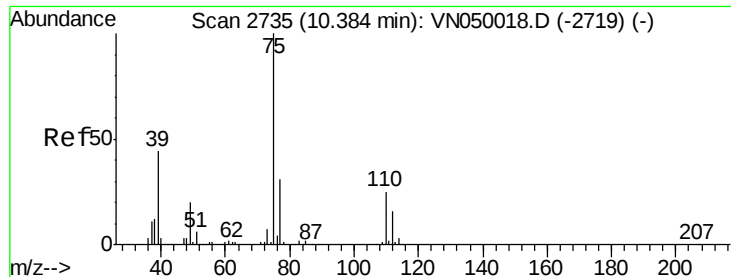
Tot Ion: 43 Resp: 1715501
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.9 47.9



#52
 Toluene
 Concen: 53.44 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion: 92 Resp: 971208
 Ion Ratio Lower Upper
 92 100
 91 176.3 140.3 210.5

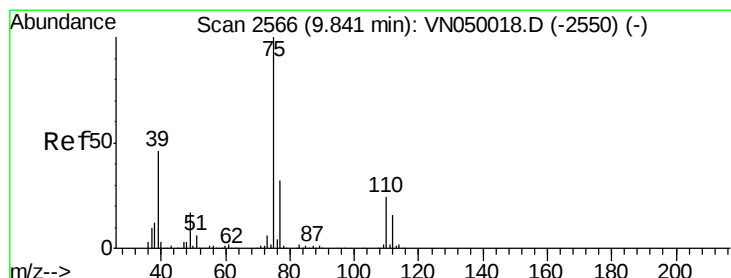
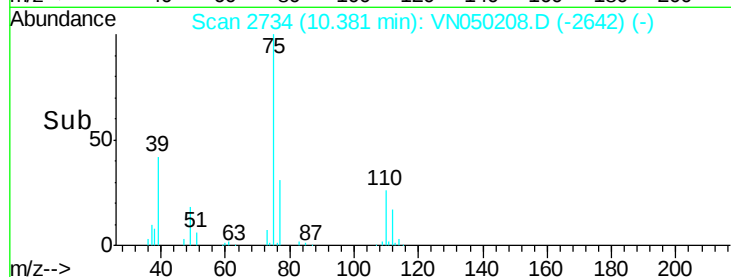
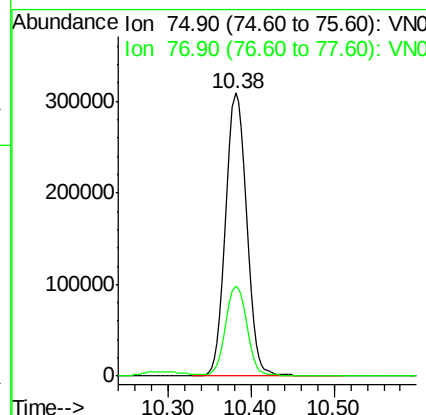
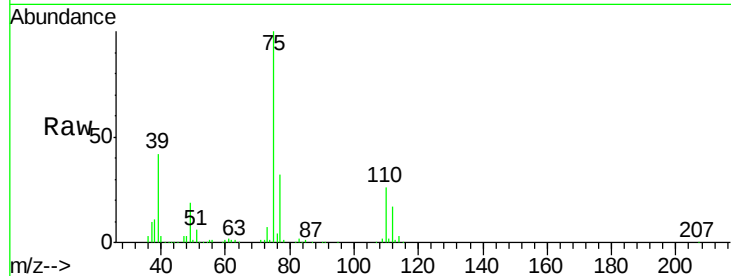




#53
t-1,3-Dichloropropene
Concen: 54.07 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

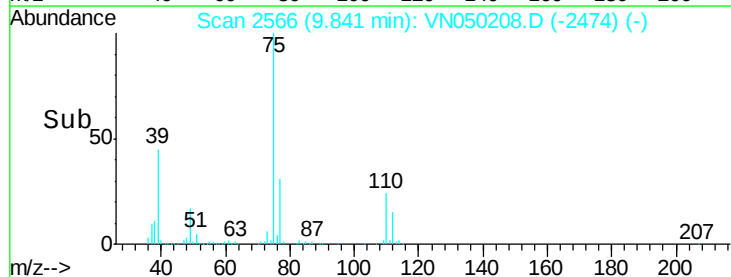
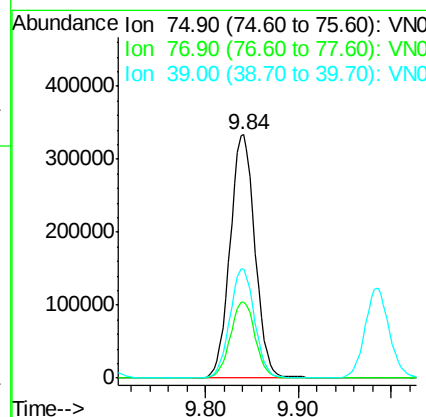
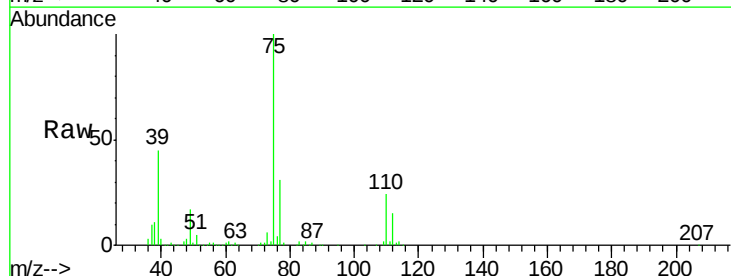
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

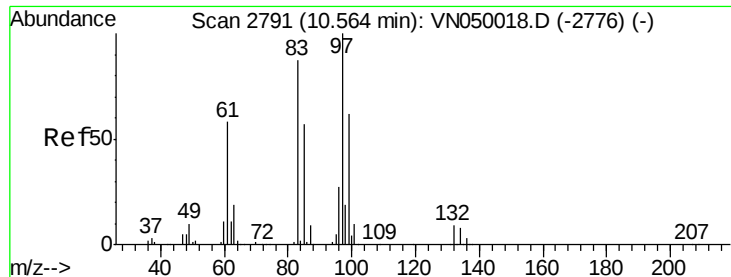
Tot Ion: 75 Resp: 545254
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 54.03 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 75 Resp: 622671
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3
39 44.8 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 50.39 ug/l

RT: 10.56 min Scan# 2790

Delta R.T. -0.01 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 363225

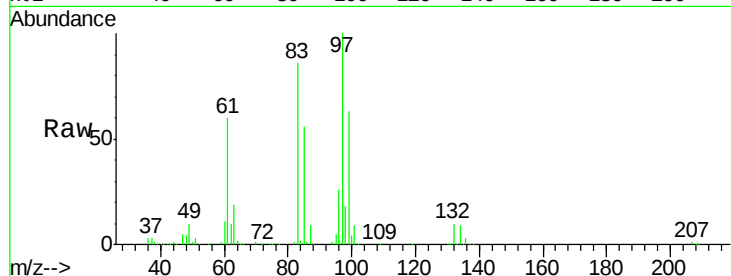
Ion Ratio Lower Upper

97 100

83 86.2 69.2 103.8

85 56.4 44.0 66.0

99 62.9 49.9 74.9

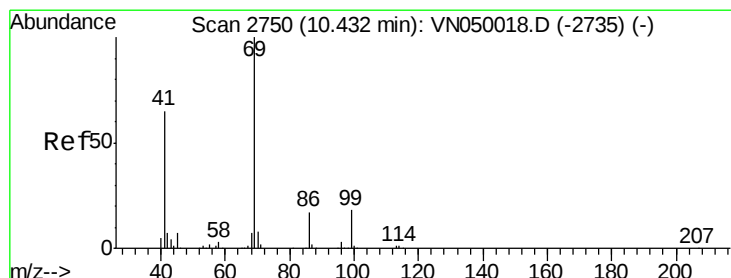
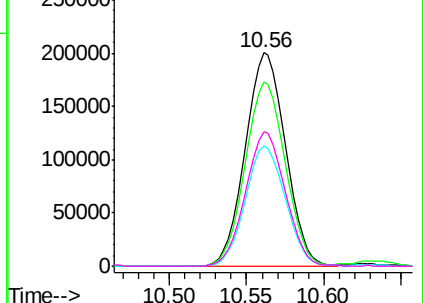
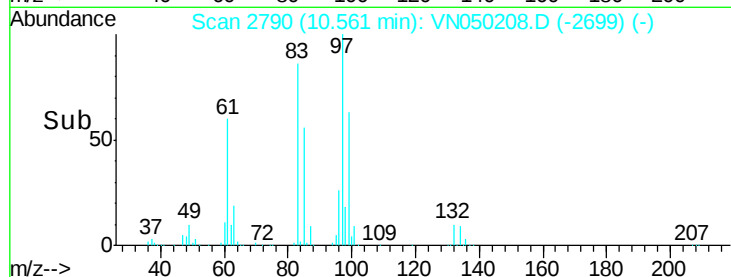


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 47.01 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

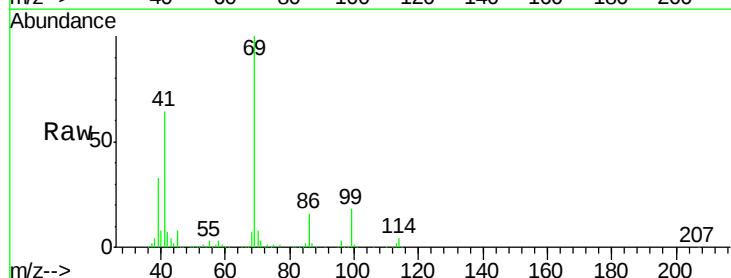
Tgt Ion: 69 Resp: 457799

Ion Ratio Lower Upper

69 100

41 63.9 51.0 76.4

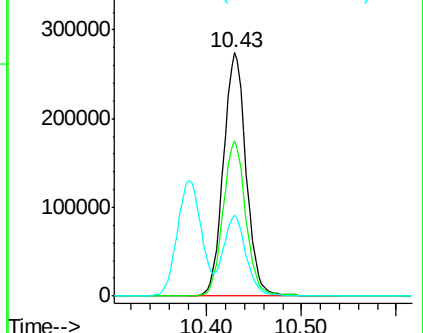
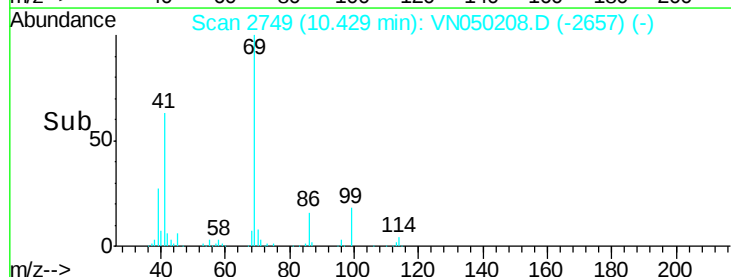
39 32.9 26.6 40.0

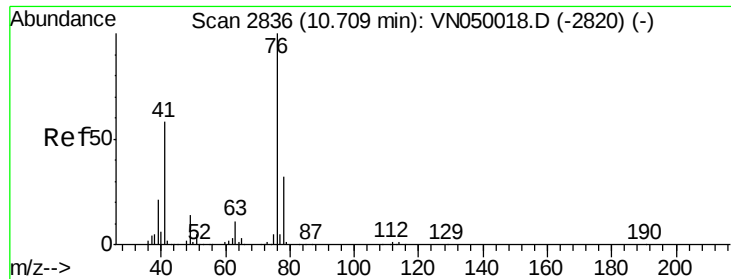


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

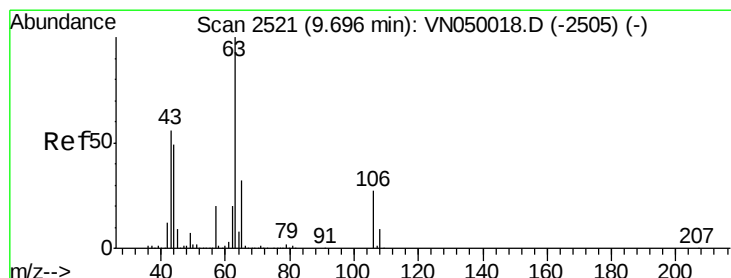
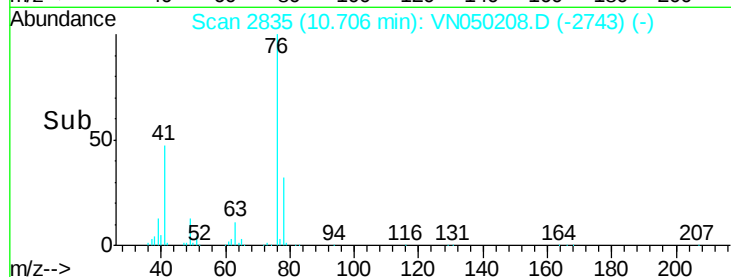
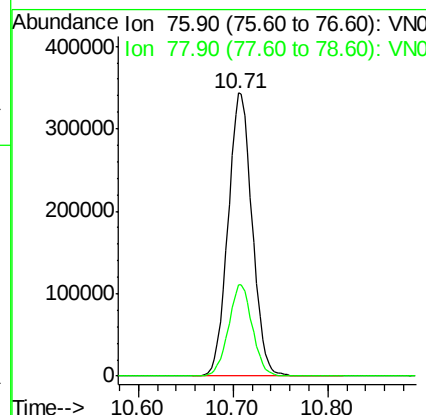
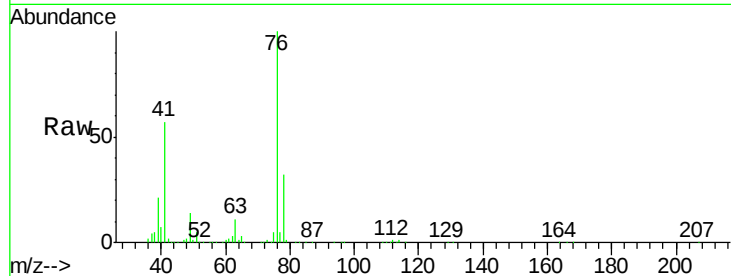




#57
 1,3-Dichloropropane
 Concen: 51.72 ug/l
 RT: 10.71 min Scan# 2835
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

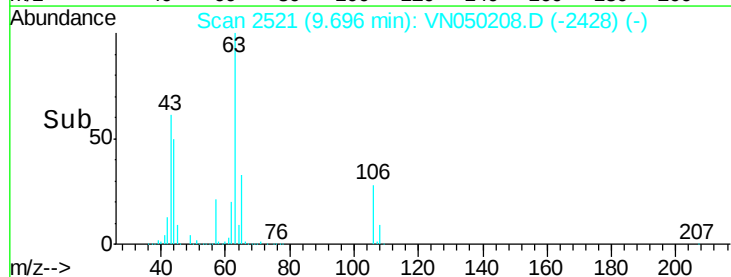
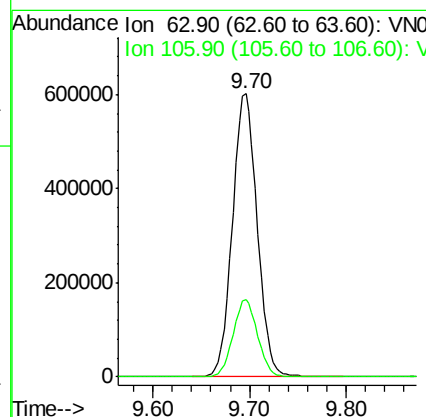
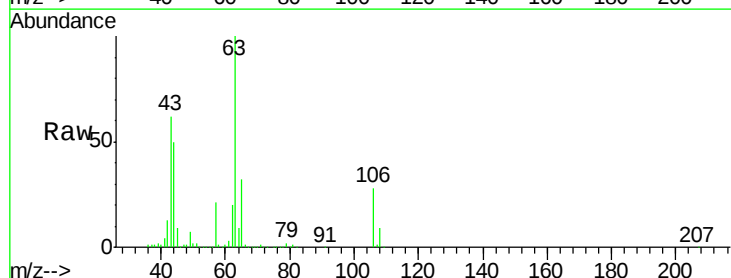
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

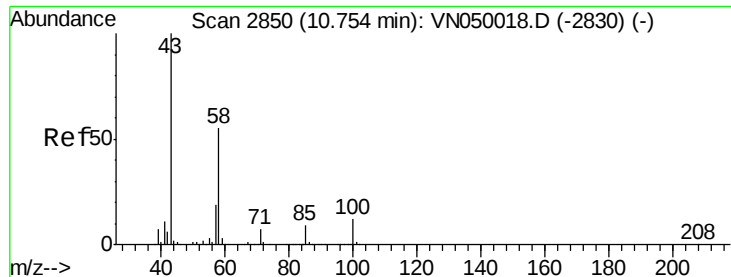
Tot Ion: 76 Resp: 607043
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.90 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion: 63 Resp: 1069198
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5

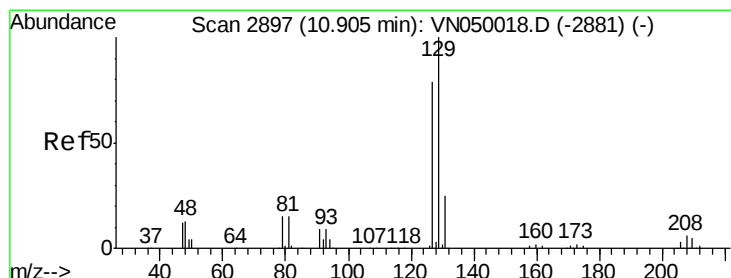
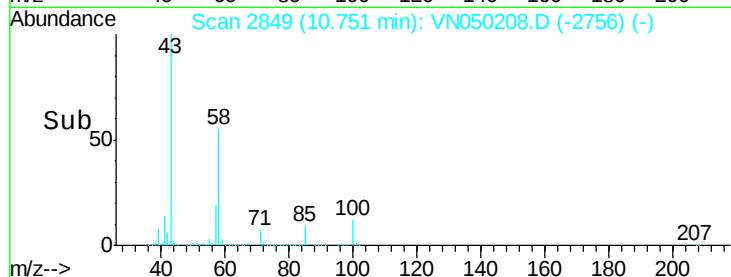
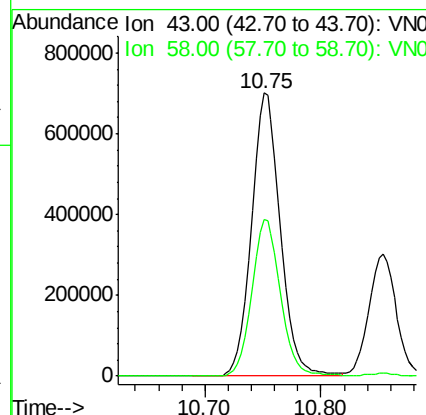
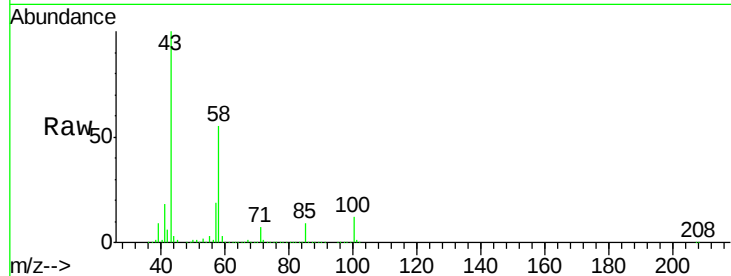




#59
2-Hexanone
Concen: 238.37 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

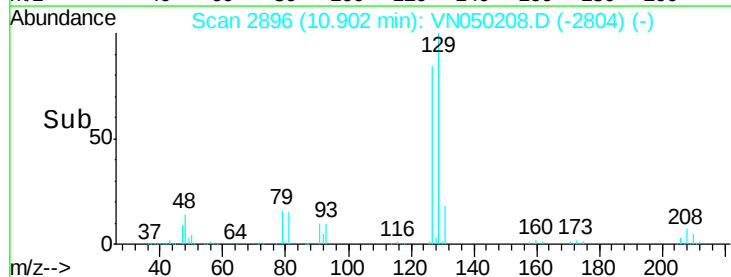
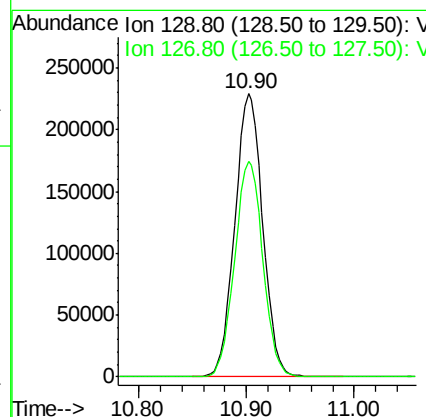
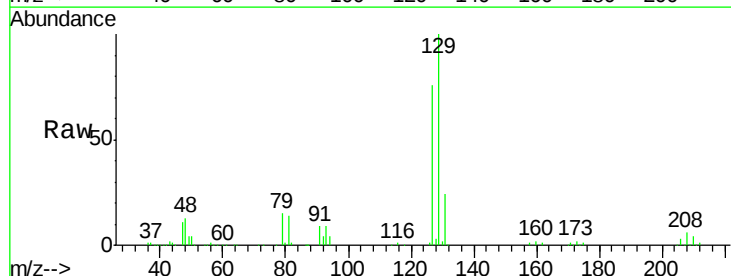
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

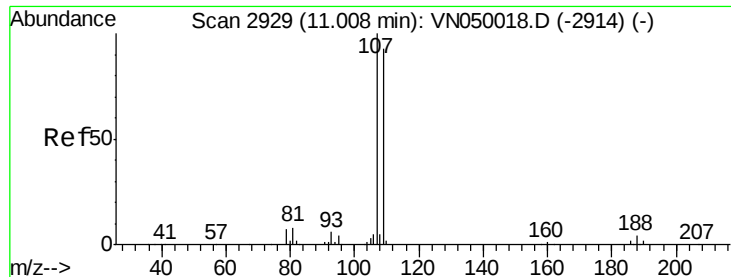
Tot Ion: 43 Resp: 1213344
Ion Ratio Lower Upper
43 100
58 55.3 27.6 82.7



#60
Dibromochloromethane
Concen: 51.80 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 129 Resp: 413432
Ion Ratio Lower Upper
129 100
127 77.1 38.0 113.9

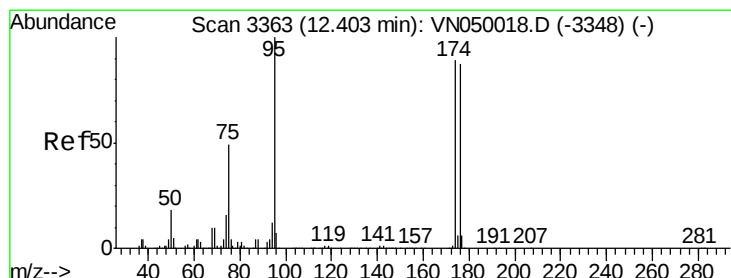
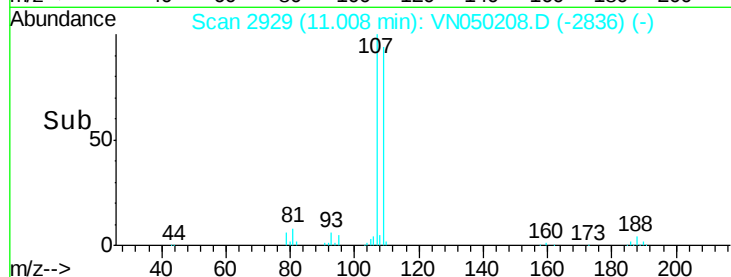
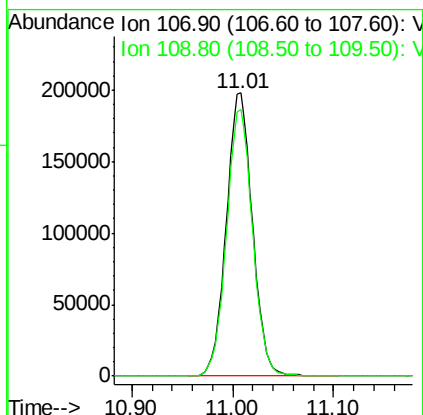
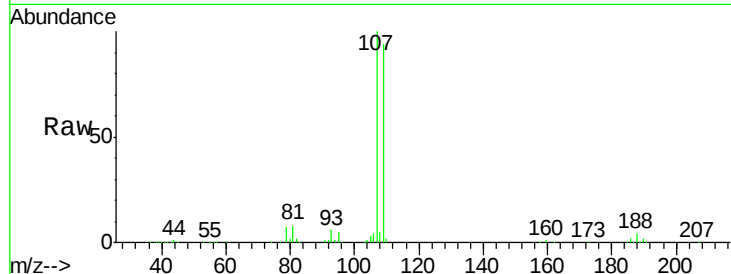




#61
 1,2-Dibromoethane
 Concen: 50.10 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

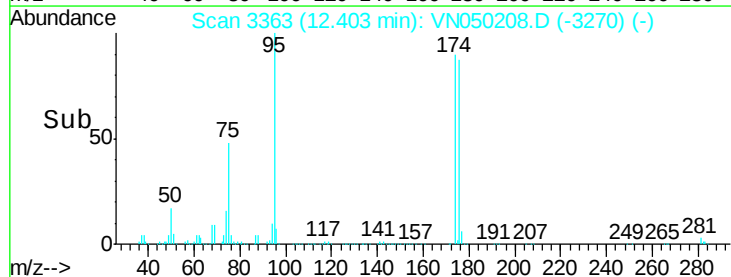
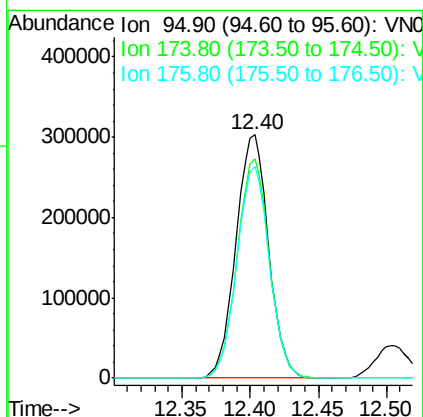
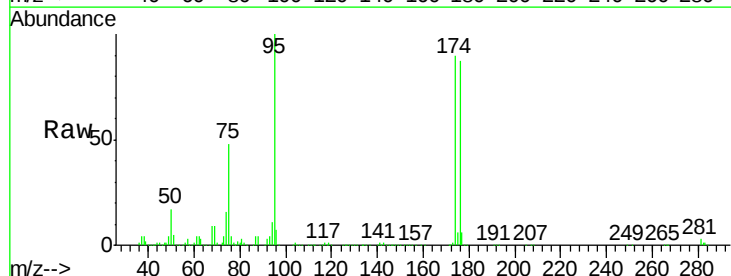
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

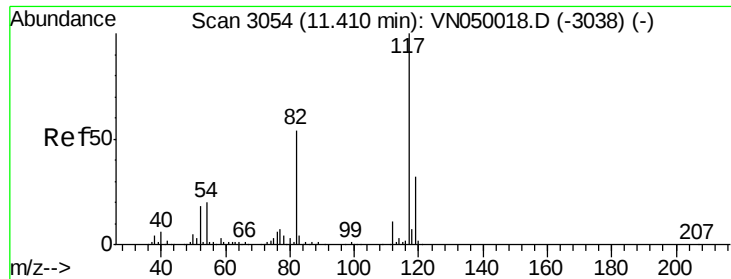
Tot Ion: 107 Resp: 358321
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 56.73 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion: 95 Resp: 503535
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 178.2
 176 86.6 0.0 173.4

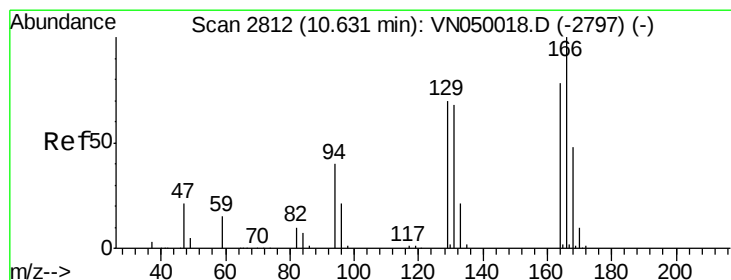
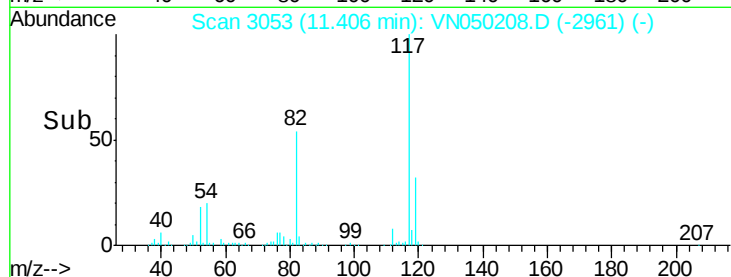
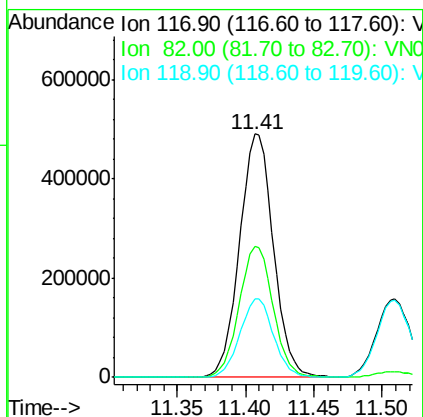
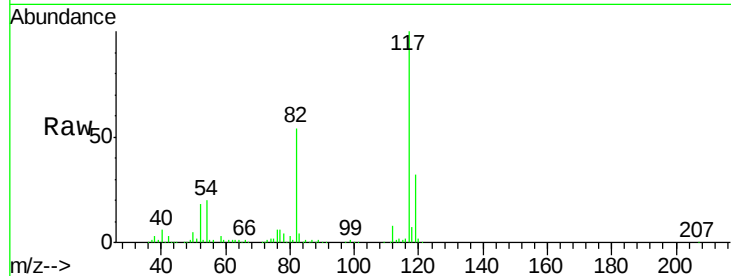




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

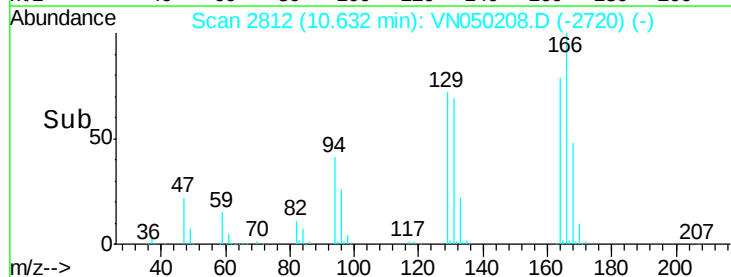
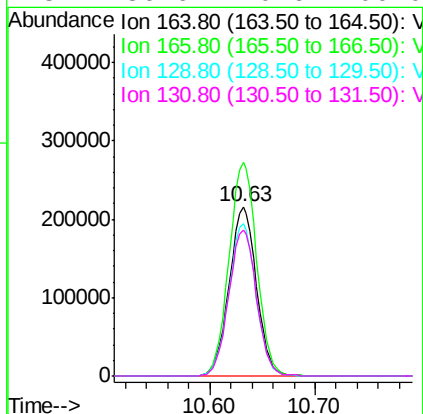
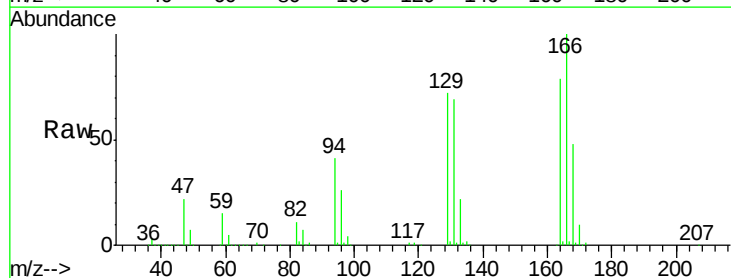
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

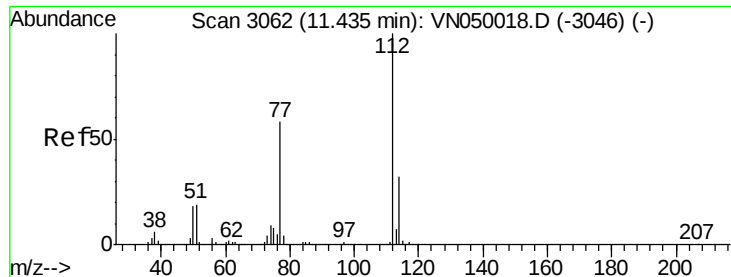
Tot Ion:117 Resp: 847684
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 32.0 26.1 39.1



#64
Tetrachloroethene
Concen: 47.05 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion:164 Resp: 383485
Ion Ratio Lower Upper
164 100
166 126.3 102.1 153.1
129 90.4 73.2 109.8
131 86.6 70.6 106.0





#65

Chlorobenzene

Concen: 49.61 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

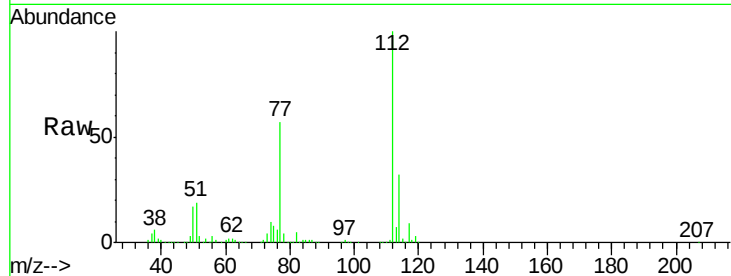
VSTDCCC050

Tot Ion:112 Resp: 1062308

Ion Ratio Lower Upper

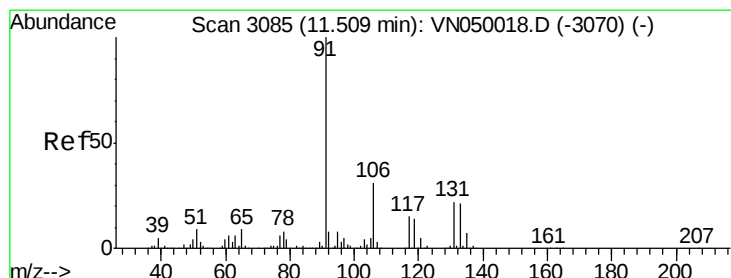
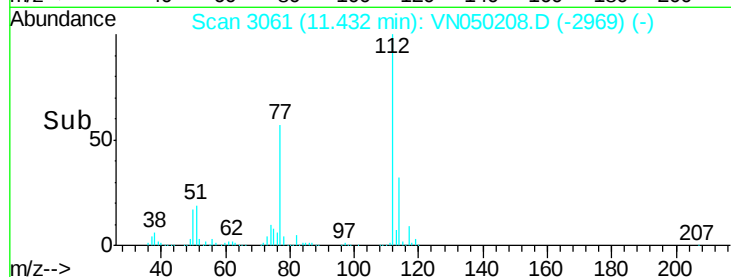
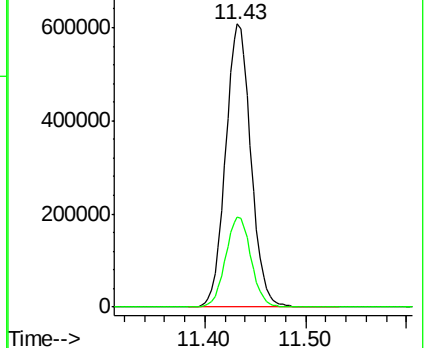
112 100

114 31.9 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.01 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

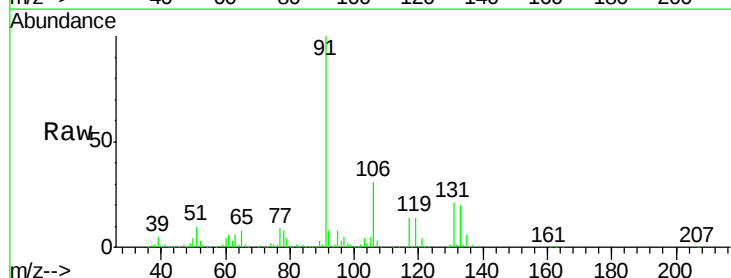
Tgt Ion:131 Resp: 403191

Ion Ratio Lower Upper

131 100

133 95.6 47.3 141.9

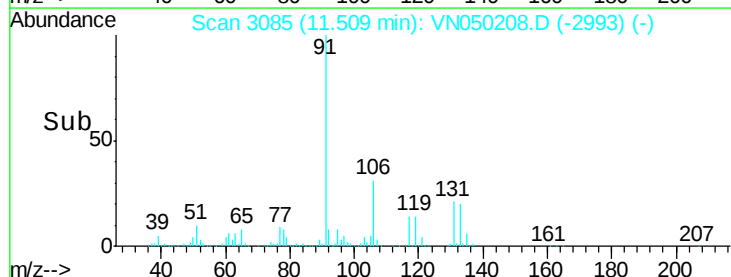
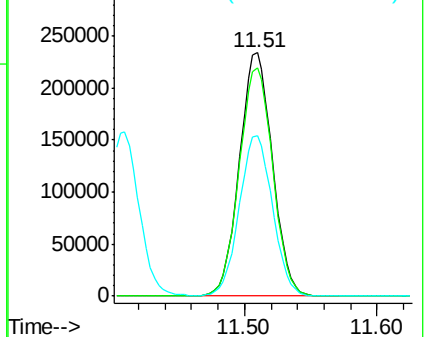
119 66.7 32.9 98.7

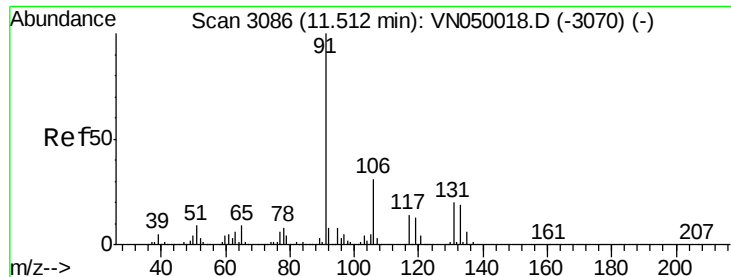


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.47 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

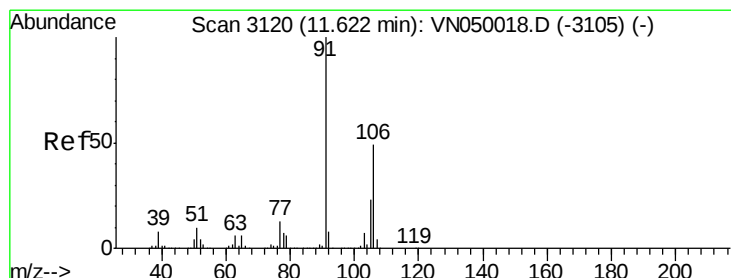
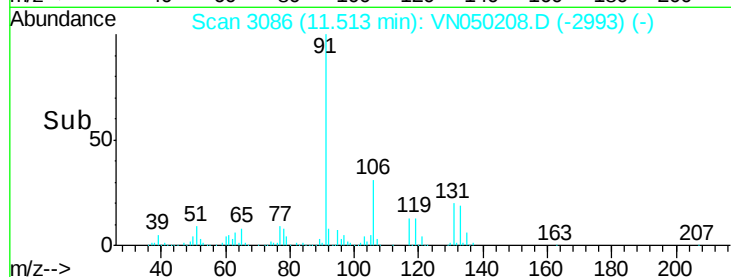
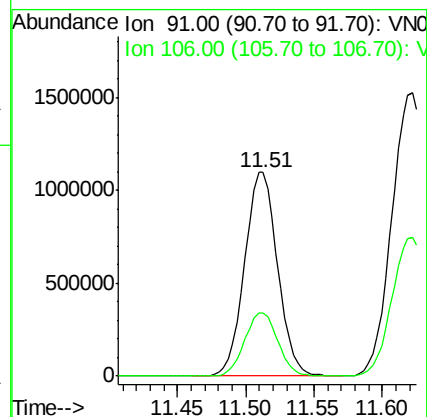
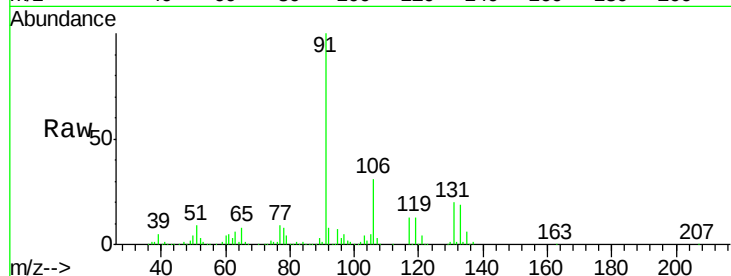
VSTDCCC050

Tot Ion: 91 Resp: 1839142

Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.4



#68

m/p-Xylenes

Concen: 110.38 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050208.D

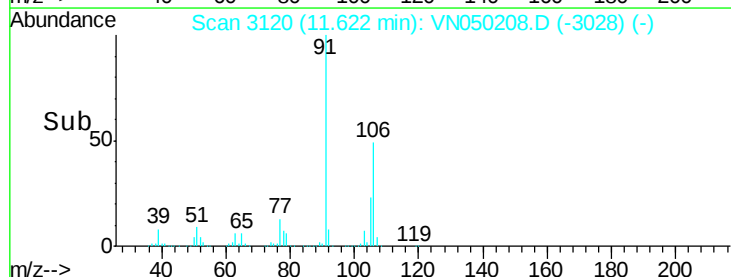
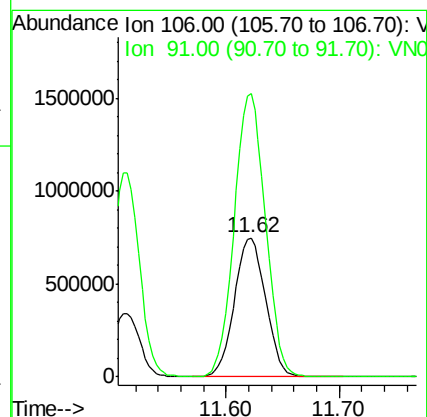
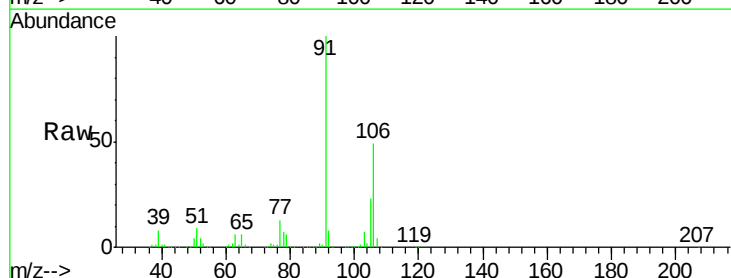
Acq: 31 Jul 2018 11:49

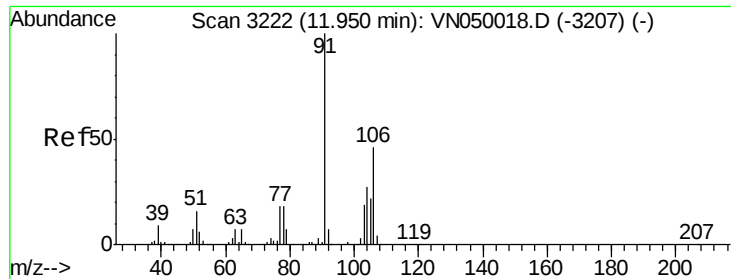
Tgt Ion: 106 Resp: 1436012

Ion Ratio Lower Upper

106 100

91 203.4 162.2 243.2

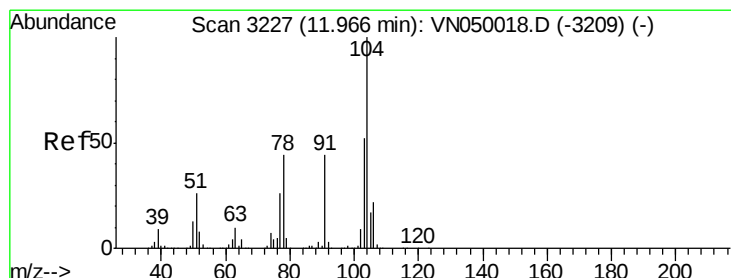
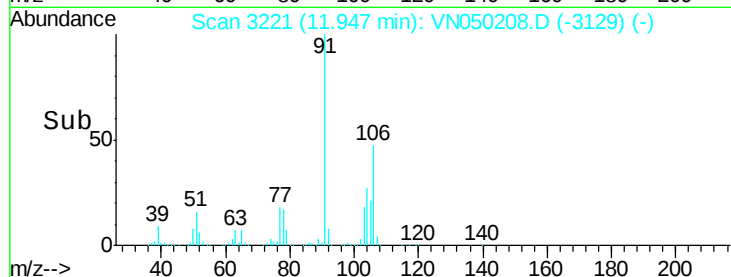
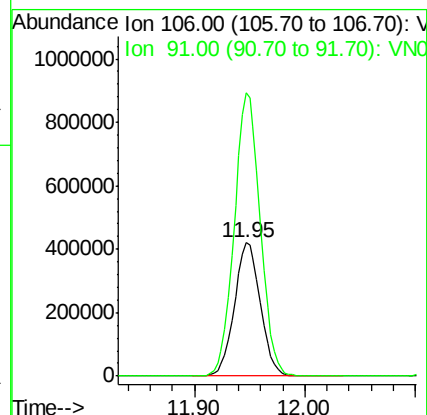
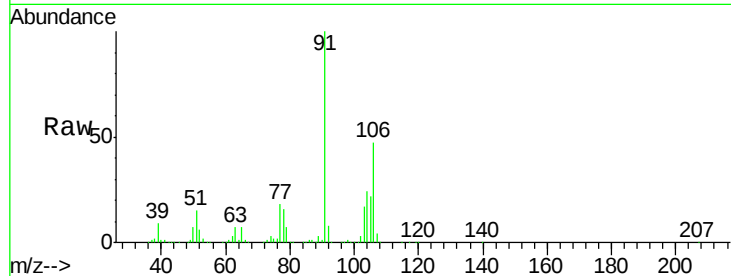




#69
o-Xylene
Concen: 55.15 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

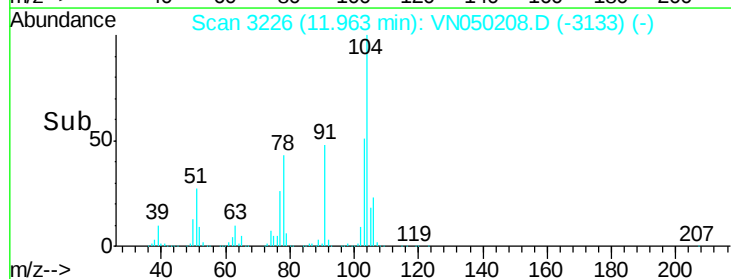
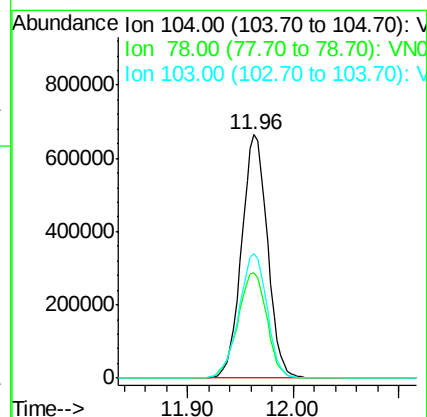
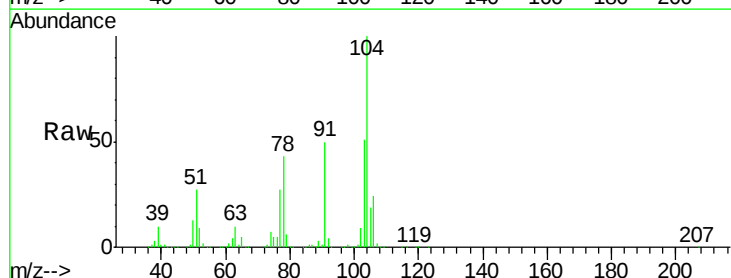
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

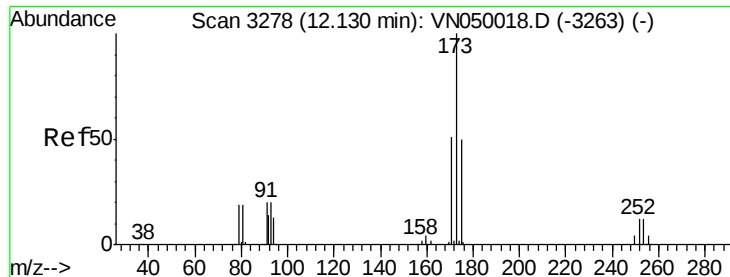
Tot Ion:106 Resp: 684042
Ion Ratio Lower Upper
106 100
91 212.4 107.7 323.1



#70
Styrene
Concen: 51.19 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion:104 Resp: 1129719
Ion Ratio Lower Upper
104 100
78 48.8 39.3 58.9
103 55.7 45.0 67.6





#71

Bromoform

Concen: 49.24 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

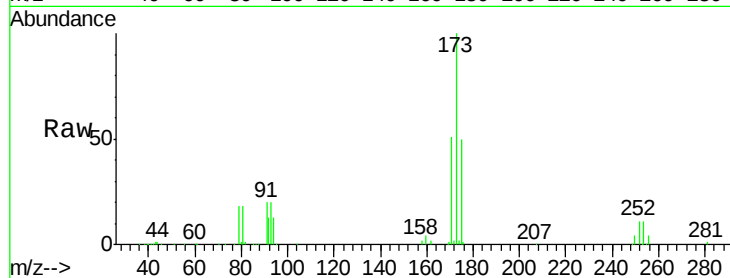
Tot Ion:173 Resp: 294704

Ion Ratio Lower Upper

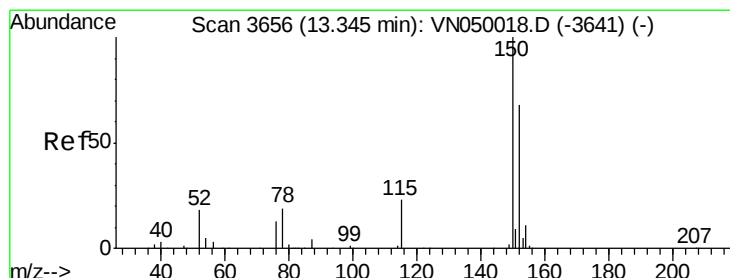
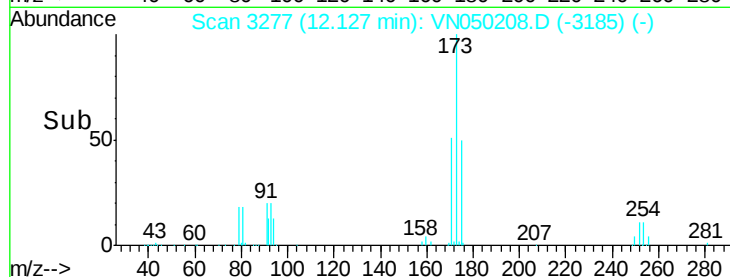
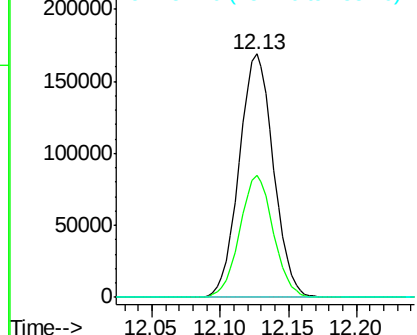
173 100

175 49.0 24.1 72.2

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: 50.00 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

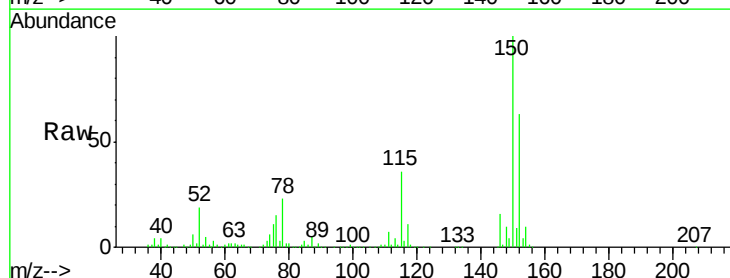
Tgt Ion:152 Resp: 465431

Ion Ratio Lower Upper

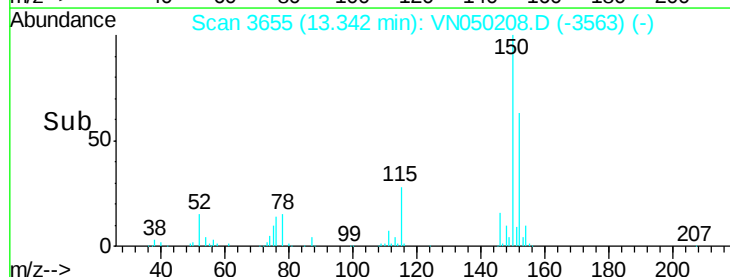
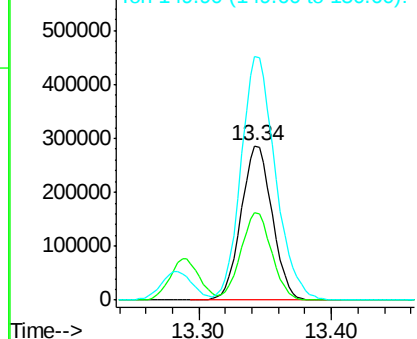
152 100

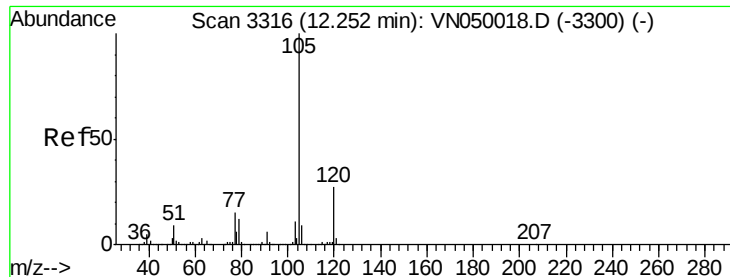
115 56.3 27.8 83.3

150 174.6 0.0 348.6



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: 51.10 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

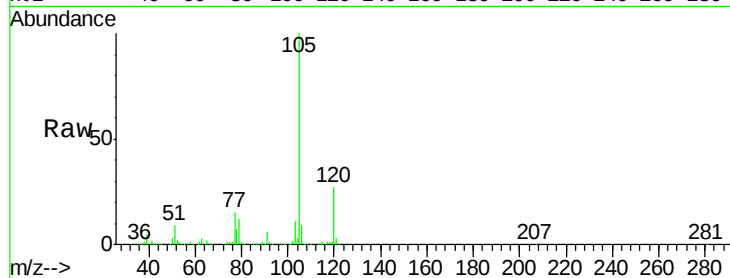
VSTDCCC050

Tot Ion:105 Resp: 1844622

Ion Ratio Lower Upper

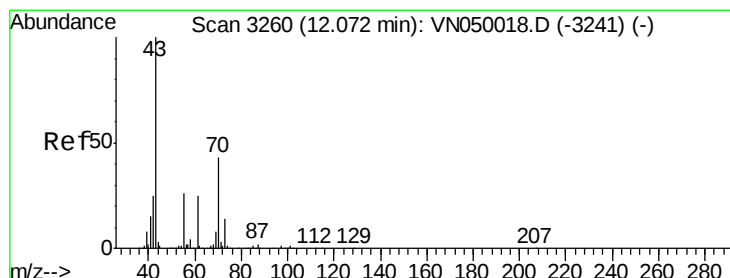
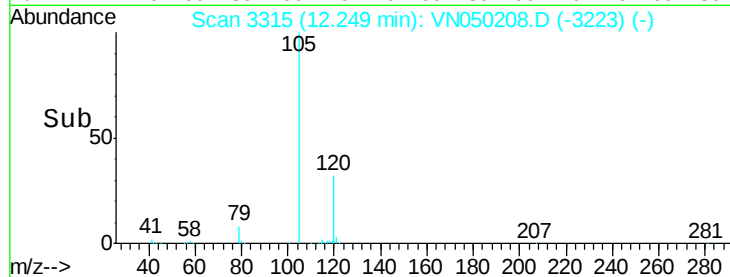
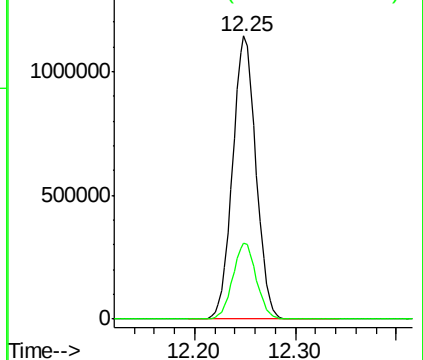
105 100

120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.85 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Tgt Ion: 43 Resp: 516911

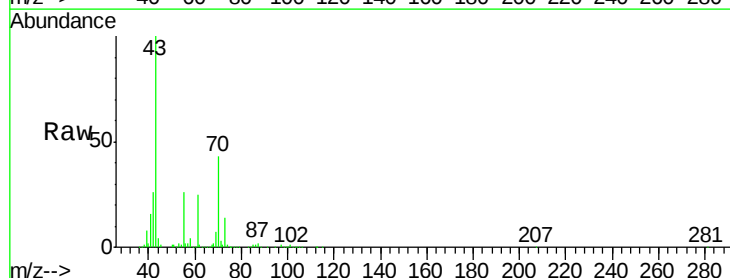
Ion Ratio Lower Upper

43 100

70 43.1 34.4 51.6

55 26.9 20.8 31.2

61 24.7 19.7 29.5

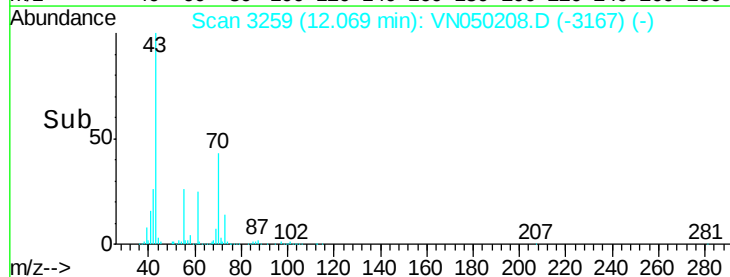
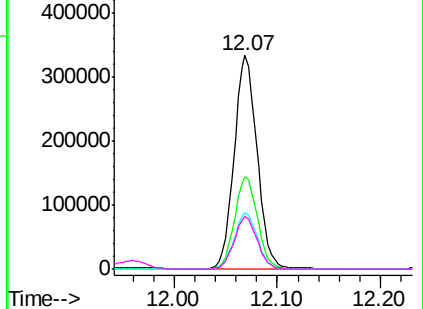


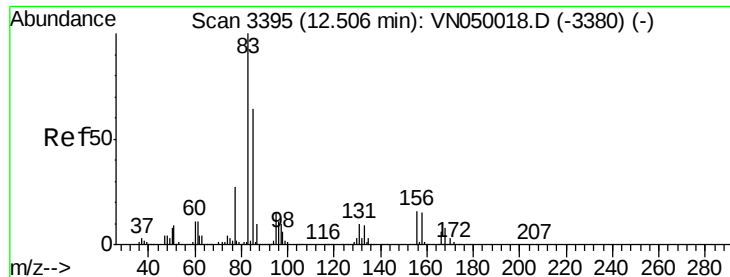
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.74 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

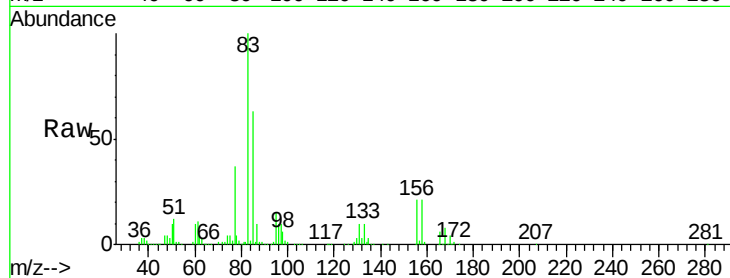
Tot Ion: 83 Resp: 470319

Ion Ratio Lower Upper

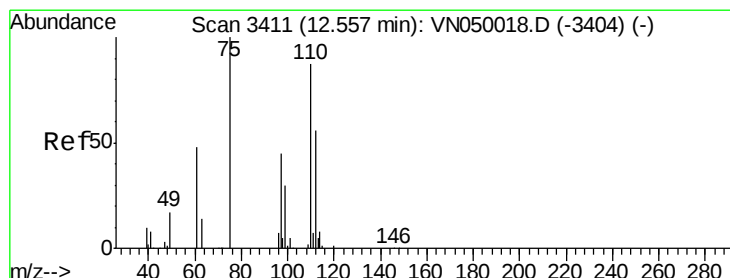
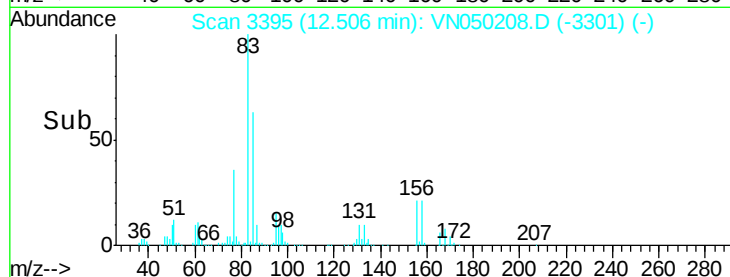
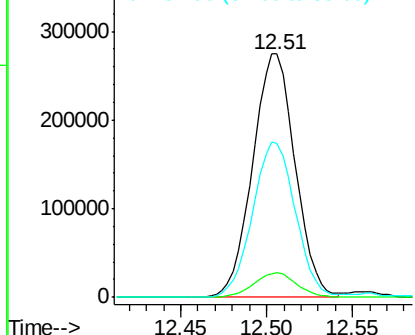
83 100

131 10.3 5.1 15.3

85 64.1 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 66.88 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050208.D

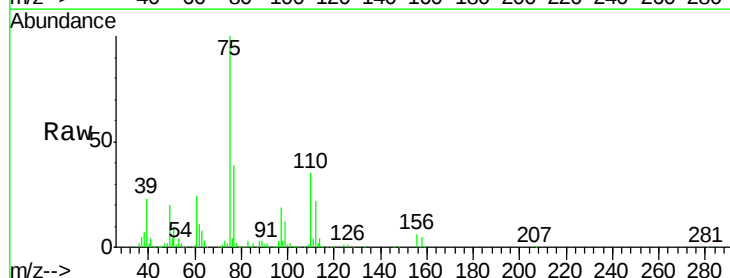
Acq: 31 Jul 2018 11:49

Tgt Ion: 75 Resp: 578481

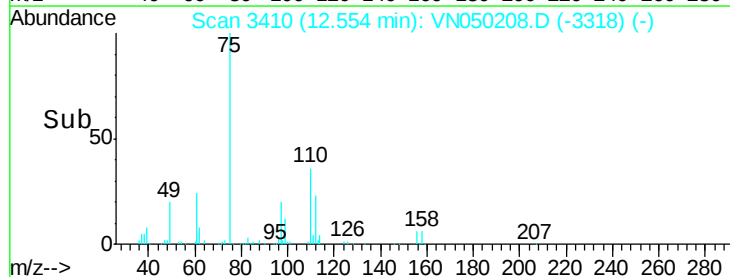
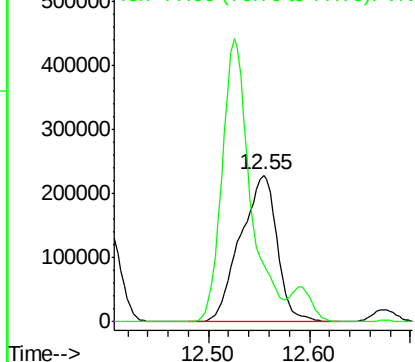
Ion Ratio Lower Upper

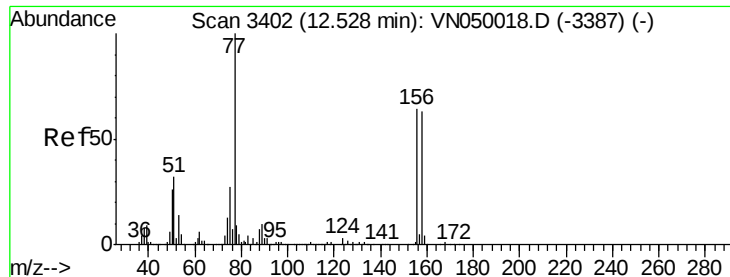
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.31 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

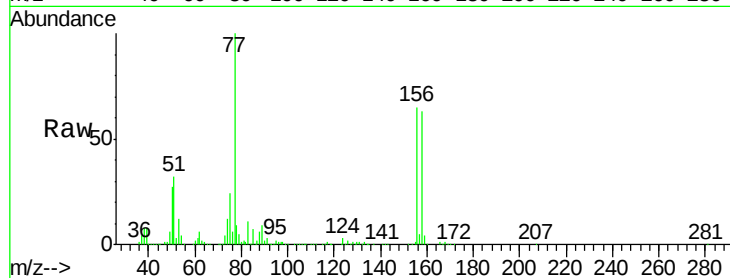
Tot Ion:156 Resp: 473309

Ion Ratio Lower Upper

156 100

77 184.4 91.7 275.1

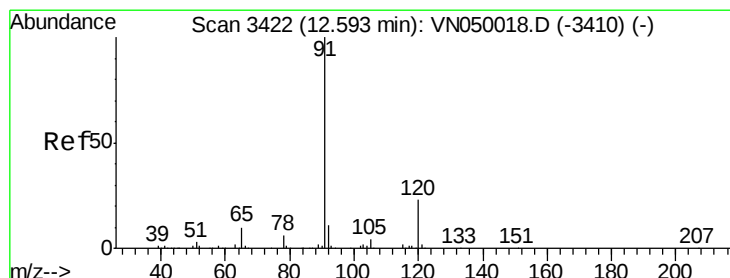
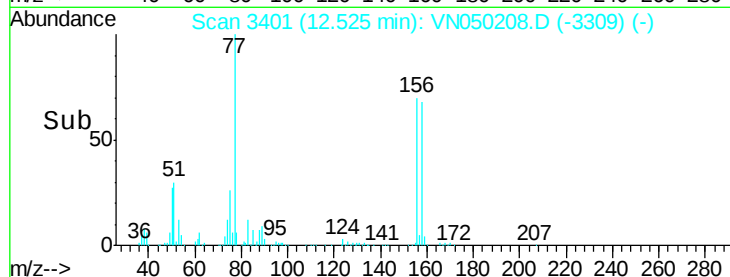
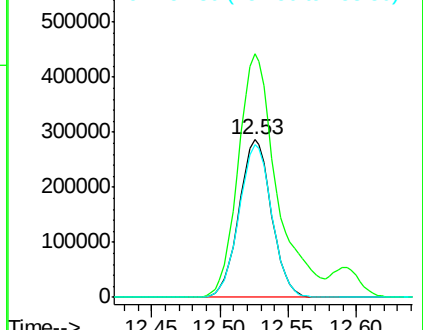
158 97.7 48.9 146.6



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: 53.70 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050208.D

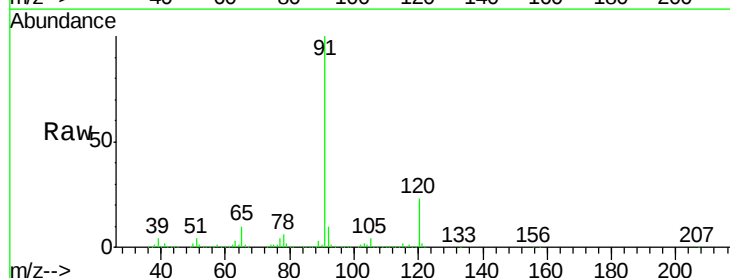
Acq: 31 Jul 2018 11:49

Tgt Ion: 91 Resp: 2166778

Ion Ratio Lower Upper

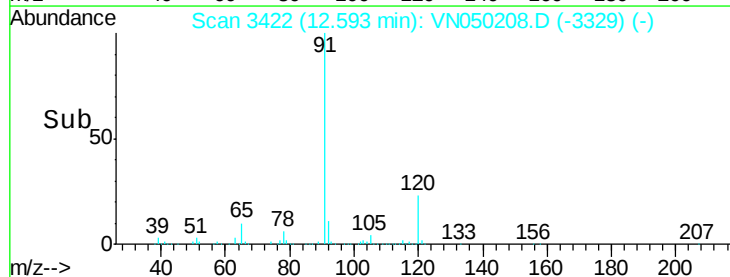
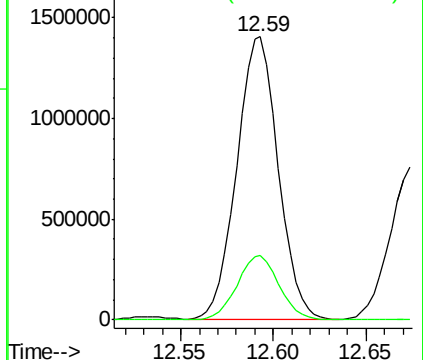
91 100

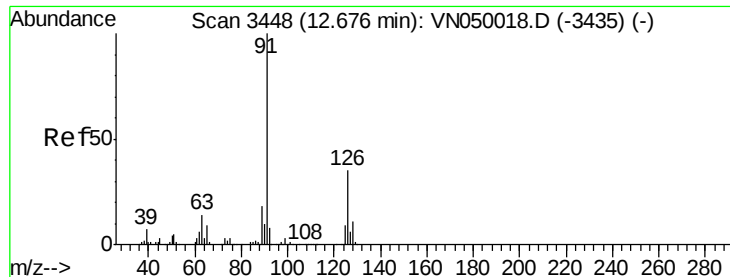
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.70 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampleId :

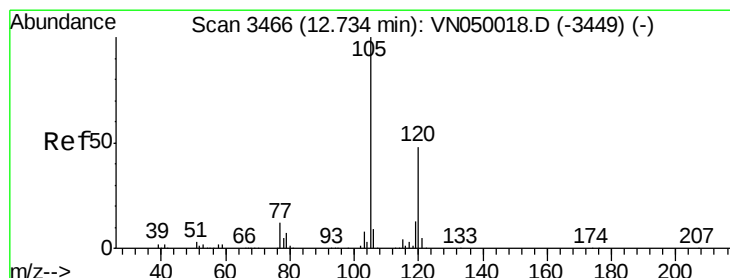
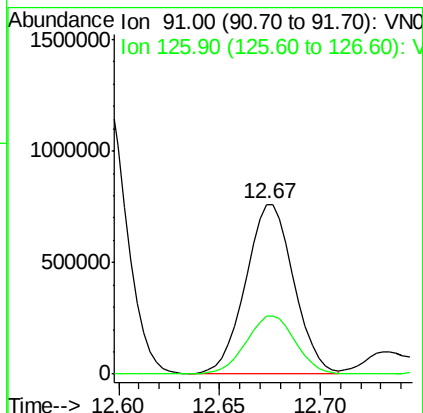
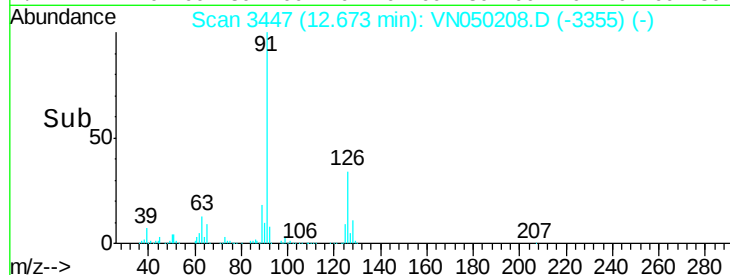
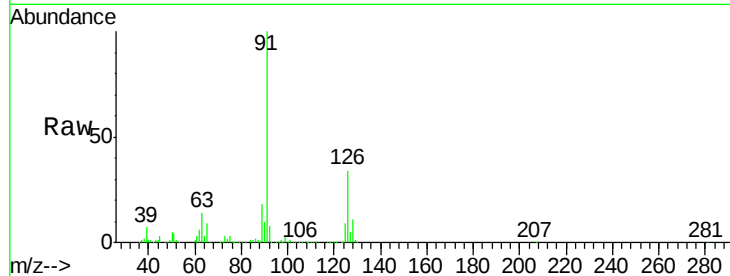
VSTDCCC050

Tot Ion: 91 Resp: 1267776

Ion Ratio Lower Upper

91 100

126 35.1 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 54.22 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050208.D

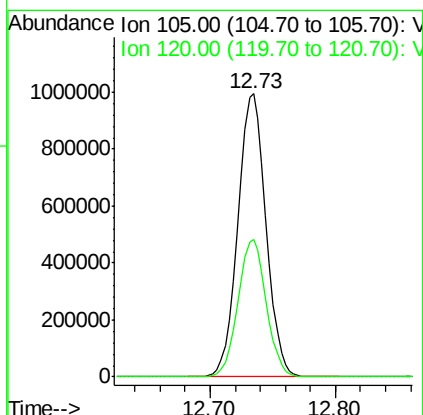
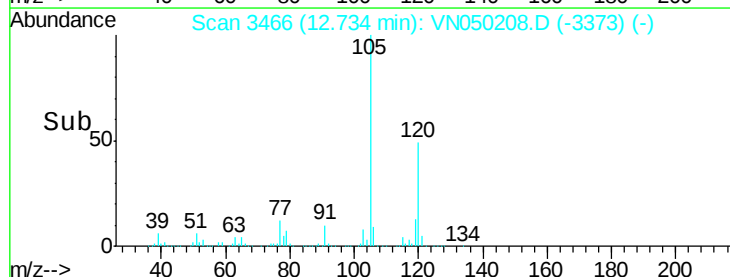
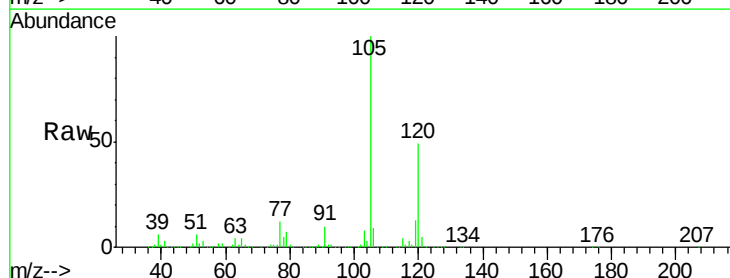
Acq: 31 Jul 2018 11:49

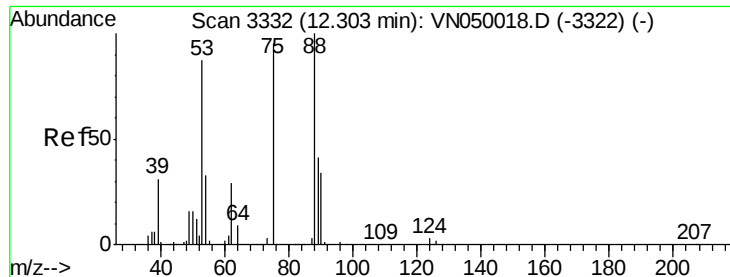
Tgt Ion:105 Resp: 1539493

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2

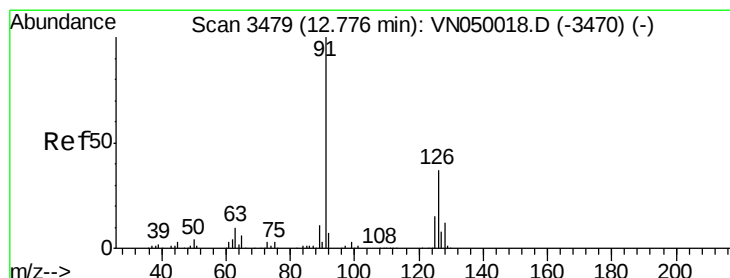
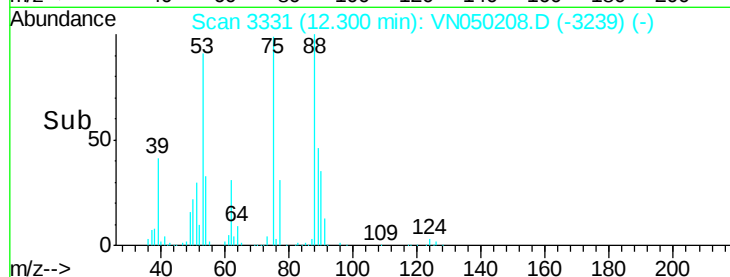
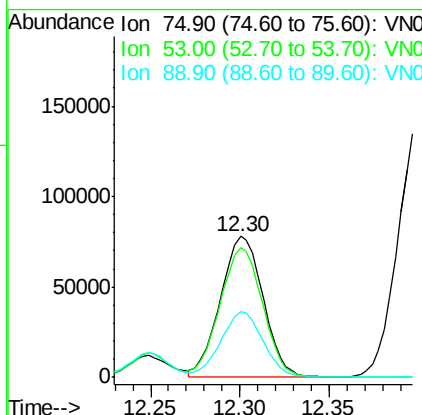
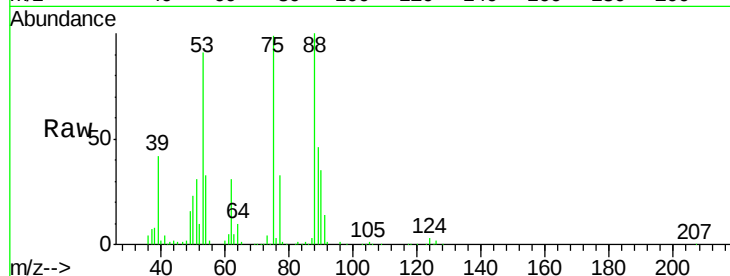




#81
trans-1,4-Dichloro-2-butene
Concen: 47.79 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

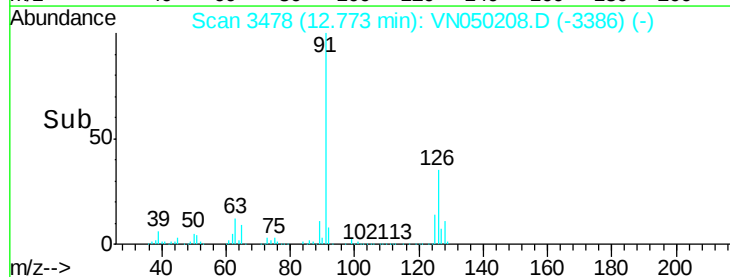
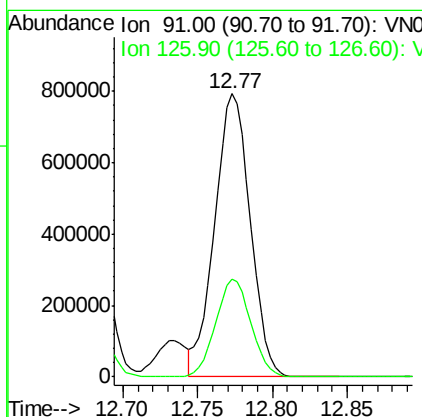
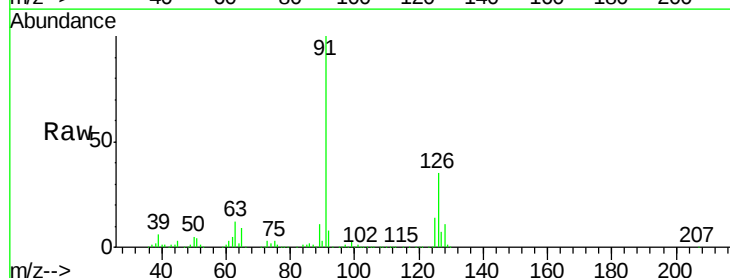
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

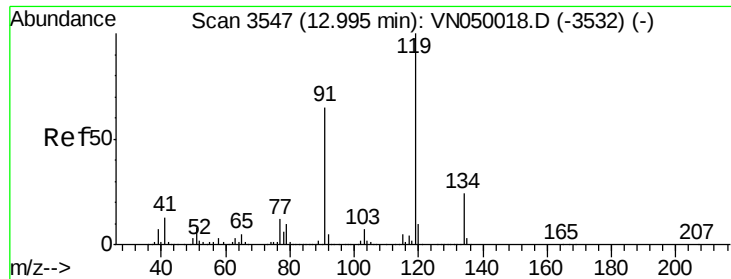
Tot Ion: 75 Resp: 130313
Ion Ratio Lower Upper
75 100
53 92.9 73.5 110.3
89 45.9 36.0 54.0



#82
4-Chlorotoluene
Concen: 52.97 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 91 Resp: 1311720
Ion Ratio Lower Upper
91 100
126 34.3 17.0 51.0

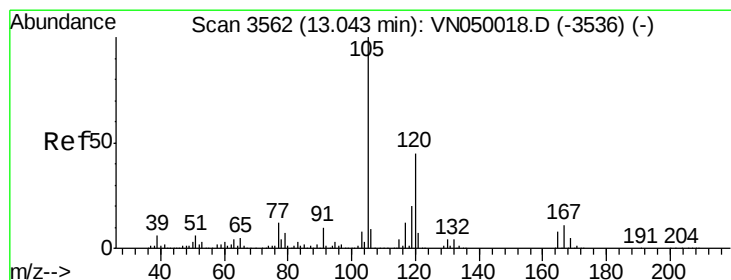
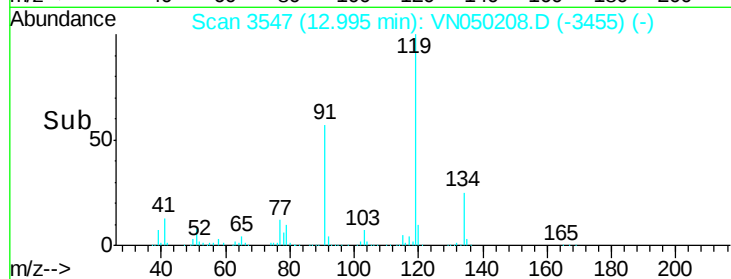
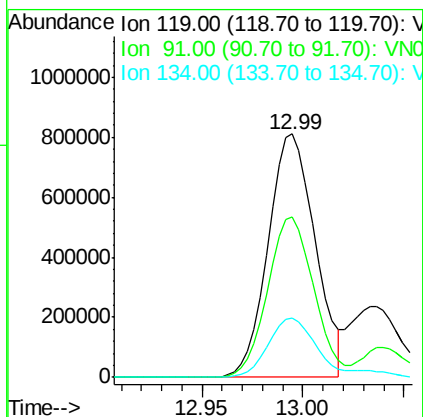
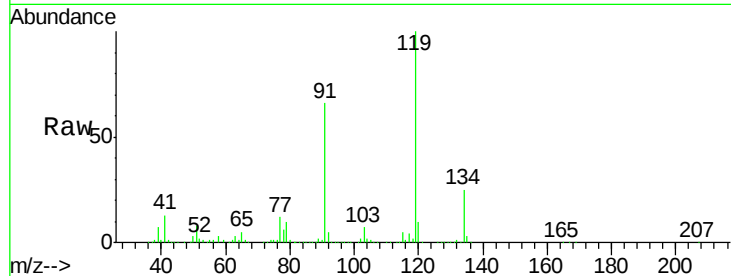




#83
 tert-Butylbenzene
 Concen: 52.87 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

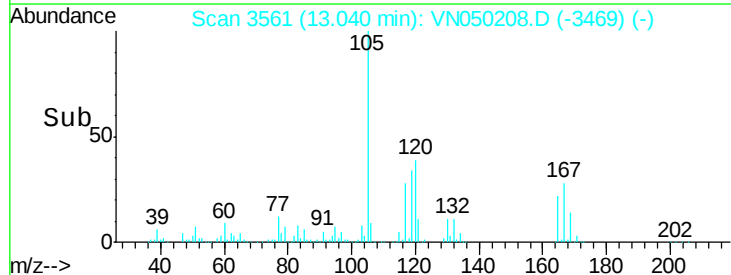
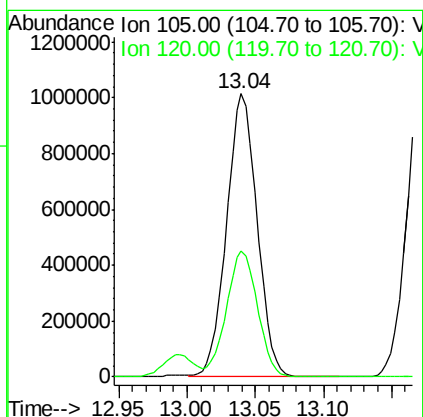
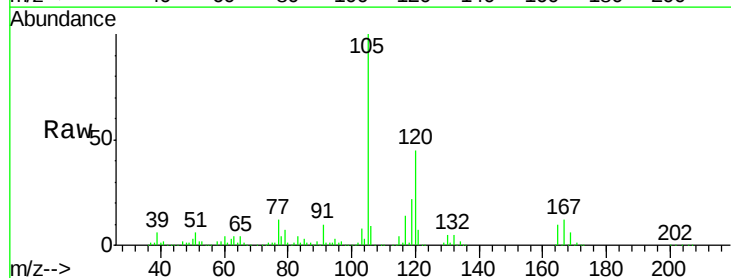
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

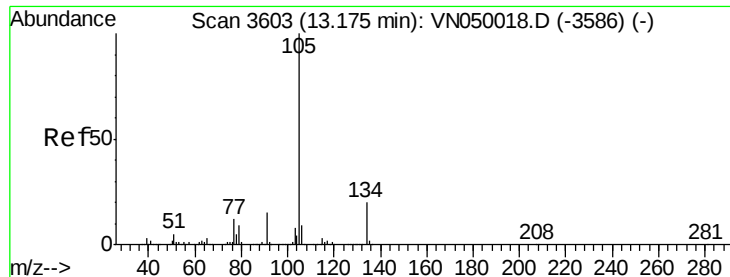
Tot Ion:119 Resp: 1310059
 Ion Ratio Lower Upper
 119 100
 91 65.1 32.1 96.3
 134 24.7 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 55.04 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion:105 Resp: 1575127
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.7





#85

sec-Butylbenzene

Concen: 54.62 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :

MSVOA_N

ClientSampled :

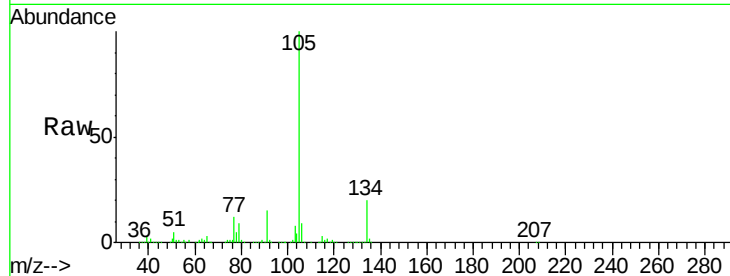
VSTDCCC050

Tot Ion:105 Resp: 1808474

Ion Ratio Lower Upper

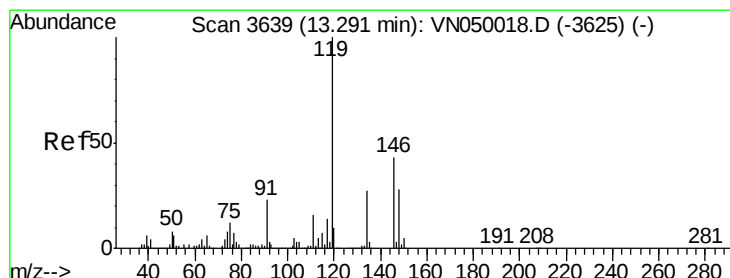
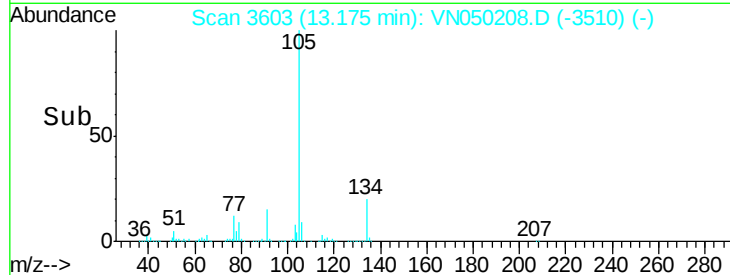
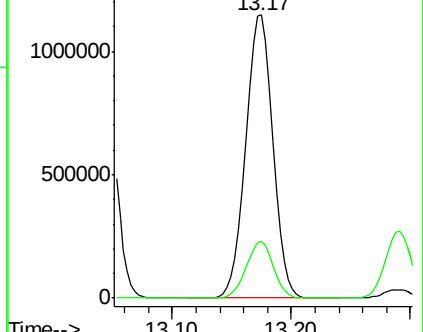
105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.63 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

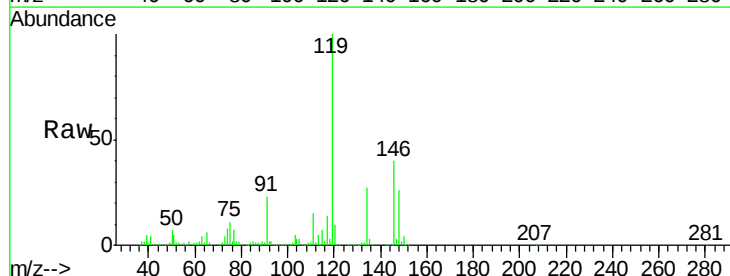
Tgt Ion:119 Resp: 1579912

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

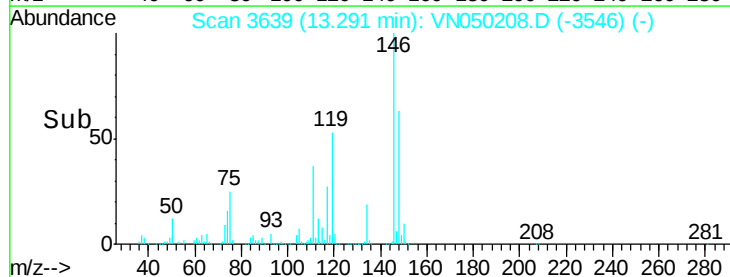
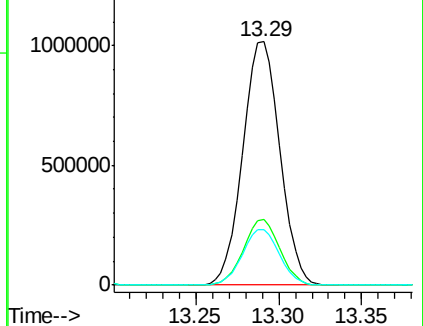
91 22.6 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.62 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

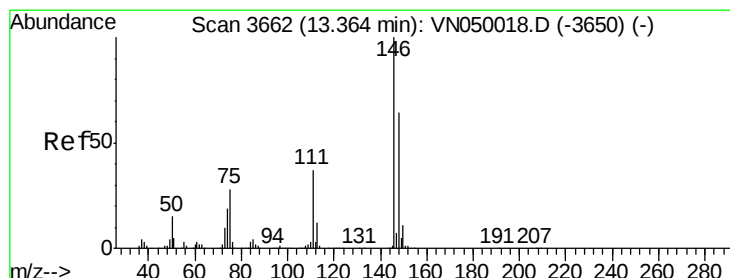
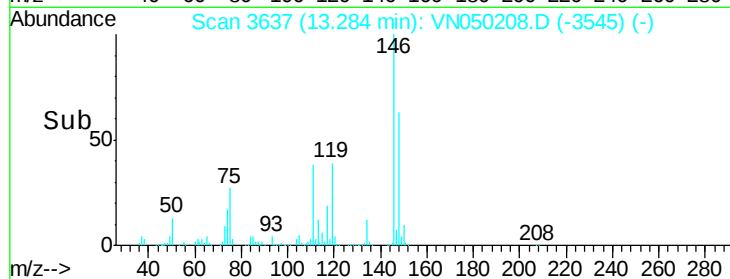
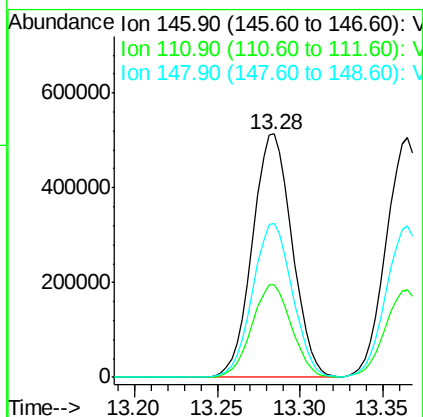
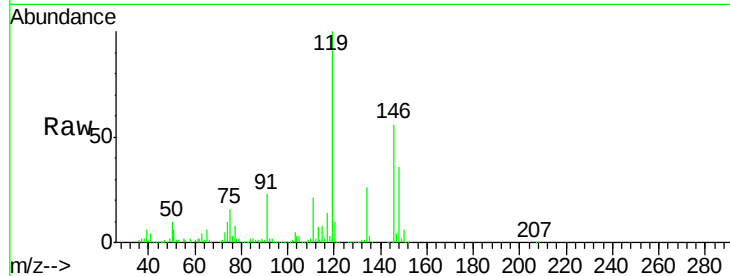
Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 858438

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	63.5	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 50.48 ug/l

RT: 13.36 min Scan# 3662

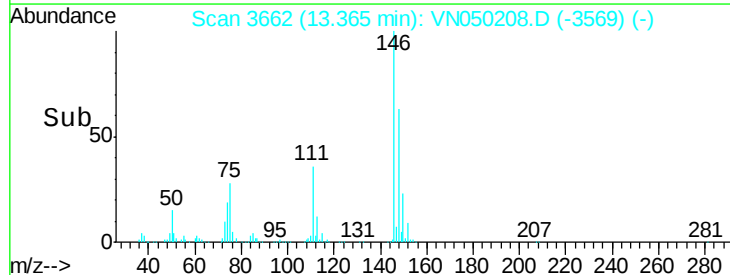
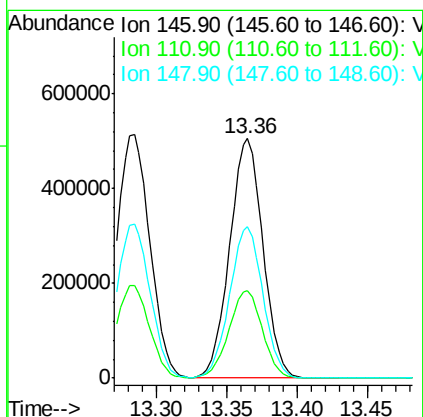
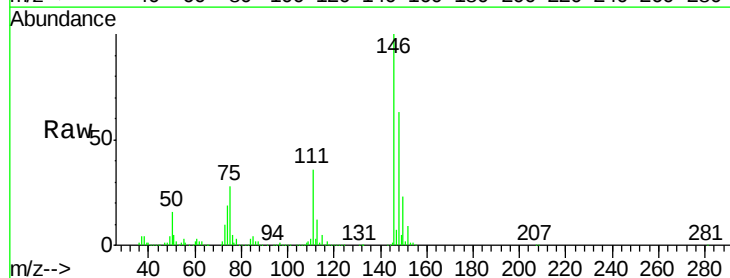
Delta R.T. 0.00 min

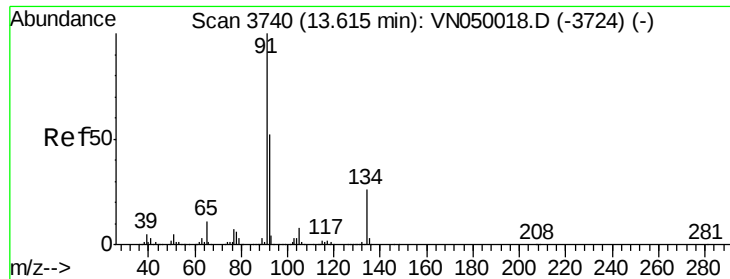
Lab File: VN050208.D

Acq: 31 Jul 2018 11:49

Tgt Ion:146 Resp: 834475

Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.9
148	63.2	31.9	95.9

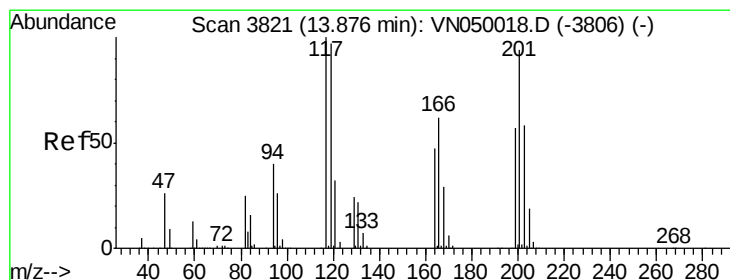
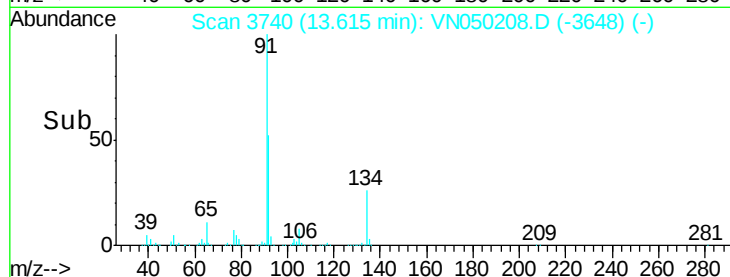
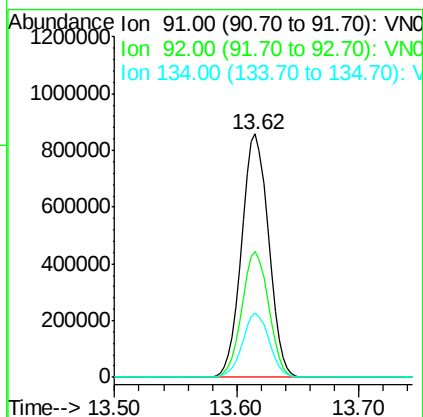
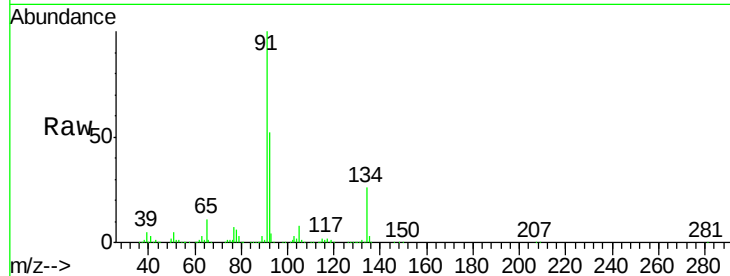




#89
n-Butylbenzene
Concen: 56.83 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

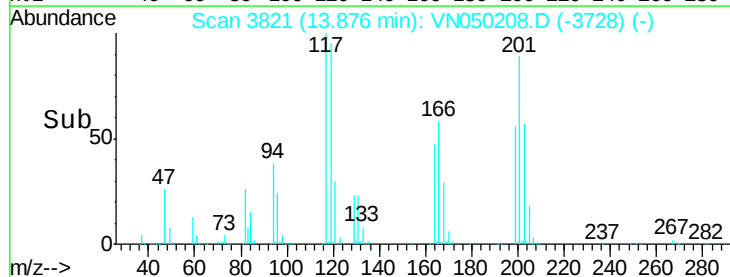
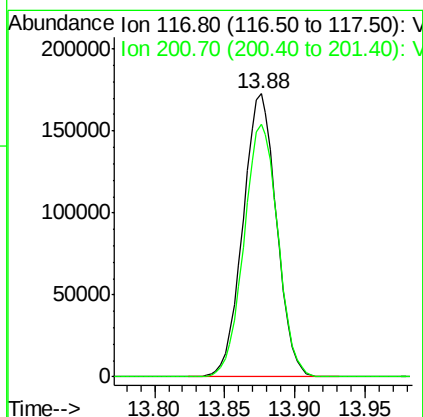
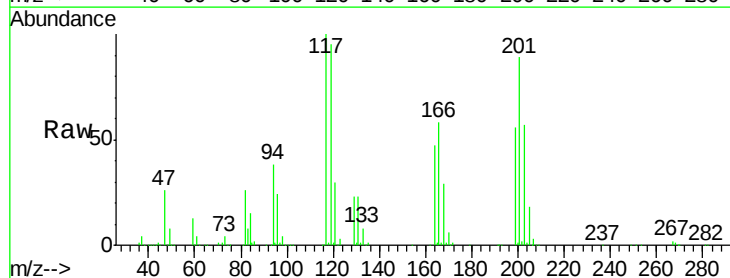
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

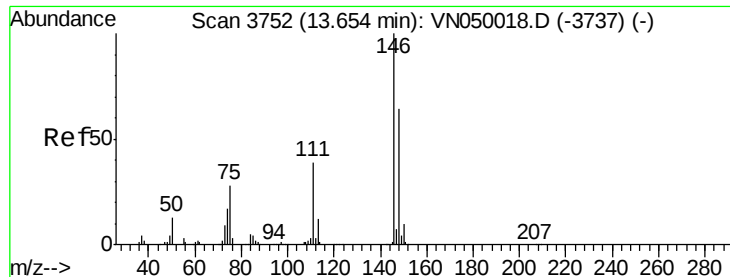
Tot Ion: 91 Resp: 1303630
Ion Ratio Lower Upper
91 100
92 51.4 25.8 77.4
134 26.0 12.8 38.4



#90
Hexachloroethane
Concen: 46.56 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion: 117 Resp: 288415
Ion Ratio Lower Upper
117 100
201 90.2 45.6 136.8

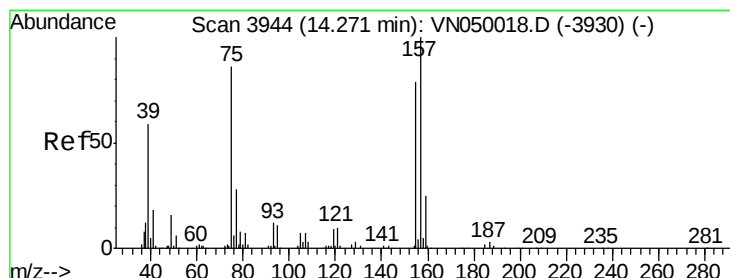
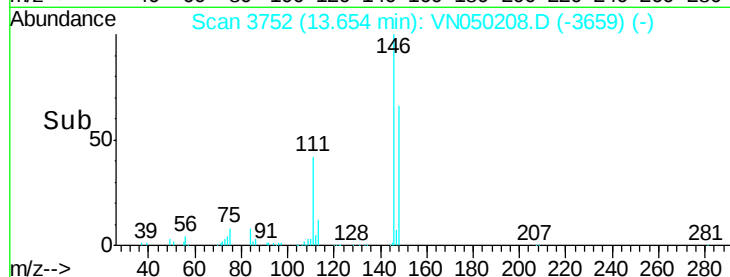
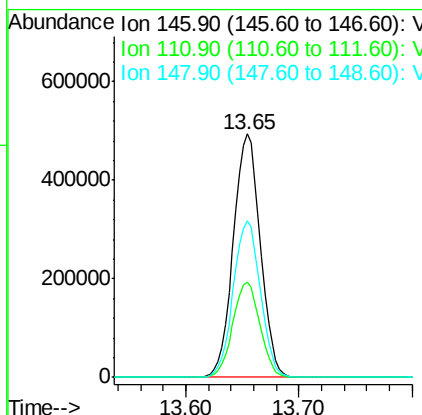
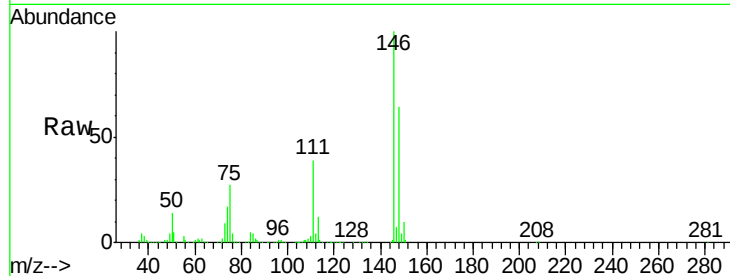




#91
 1,2-Dichlorobenzene
 Concen: 48.46 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

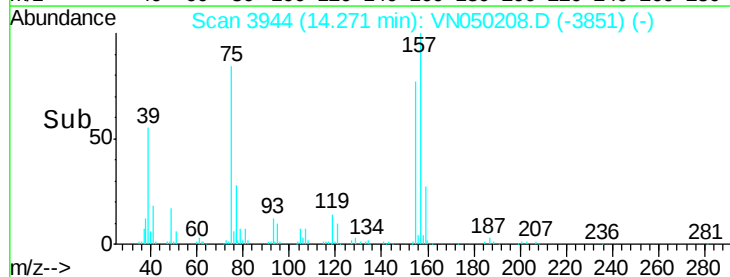
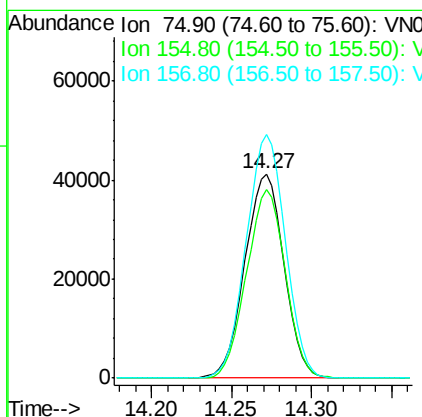
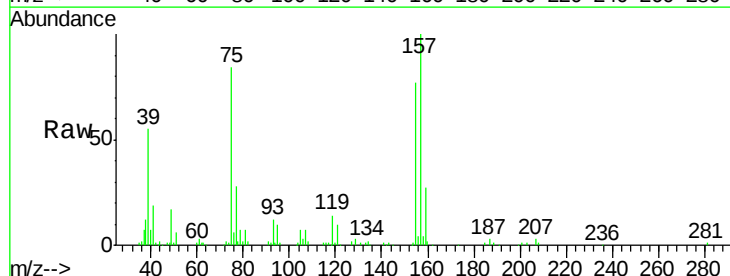
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	64.6	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.89 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	44.8	134.4
157	119.1	57.2	171.6

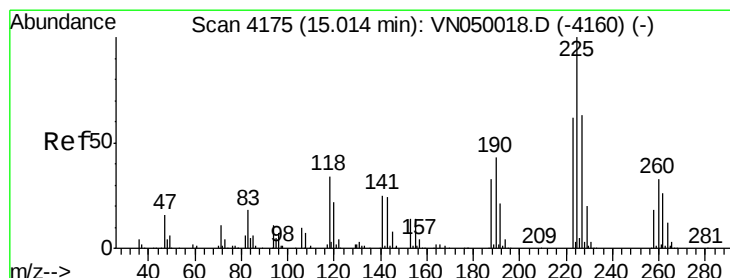
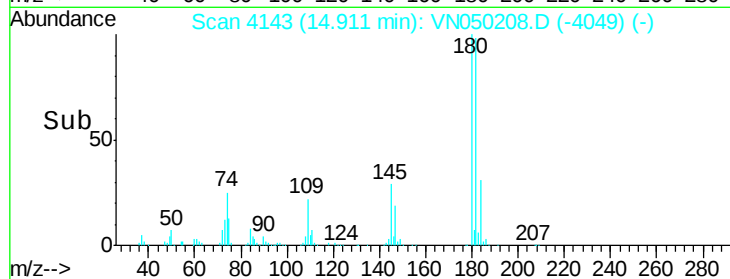
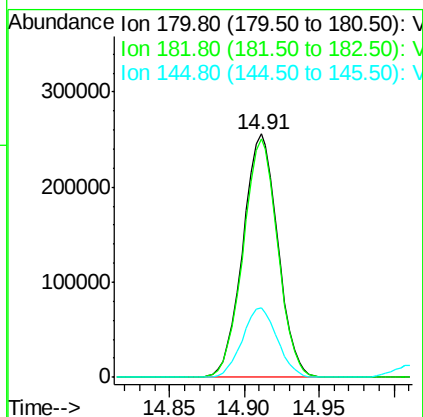
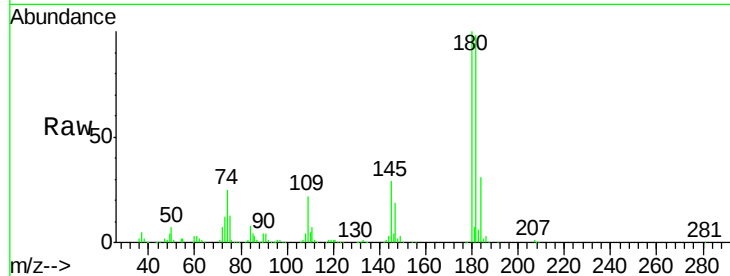




#93
 1,2,4-Trichlorobenzene
 Concen: 46.41 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

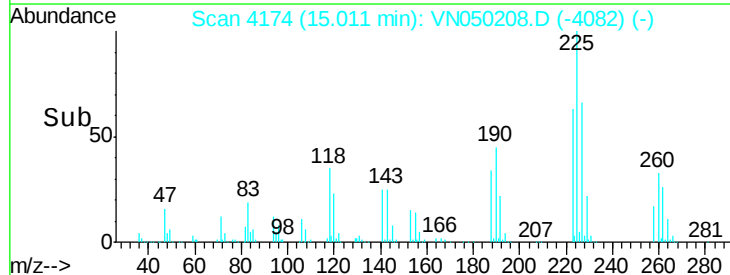
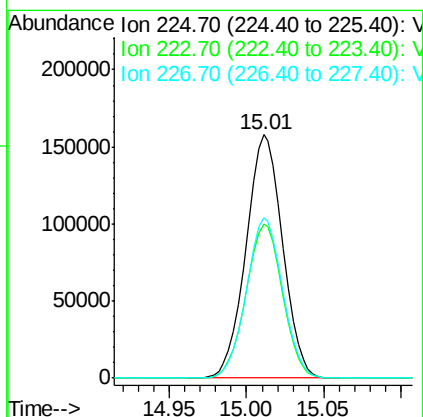
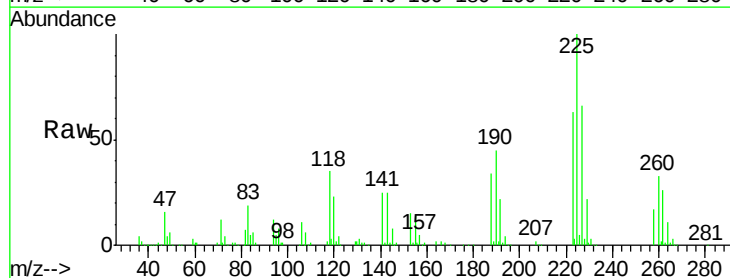
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

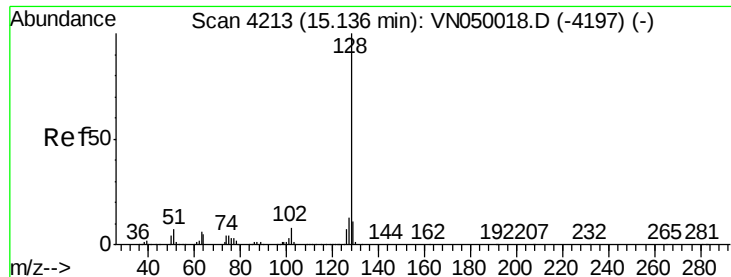
Tot Ion:180 Resp: 415192
 Ion Ratio Lower Upper
 180 100
 182 96.6 46.7 140.1
 145 28.6 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 50.05 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050208.D
 Acq: 31 Jul 2018 11:49

Tgt Ion:225 Resp: 259782
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.4 94.2
 227 65.4 32.1 96.5

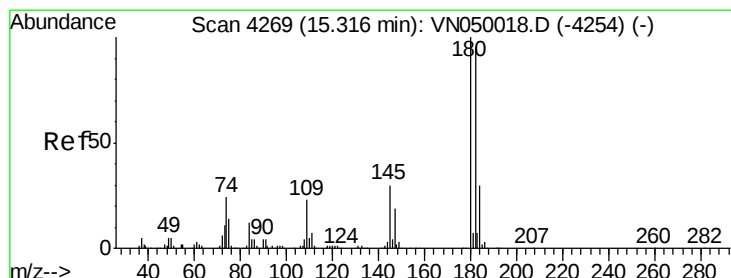
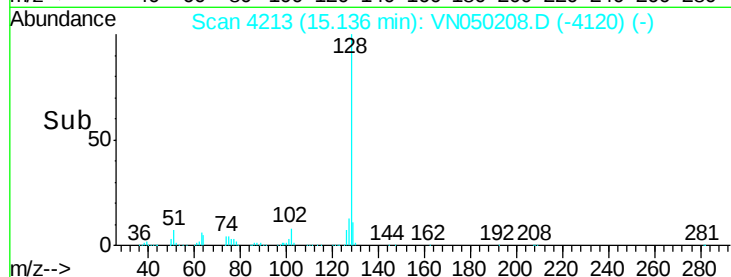
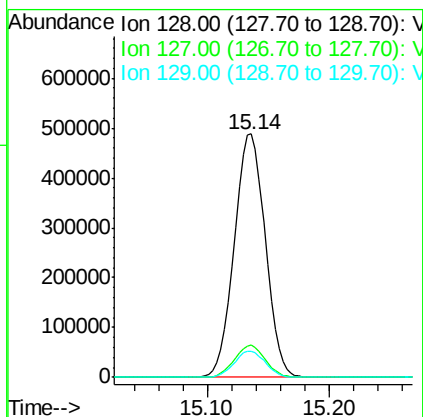
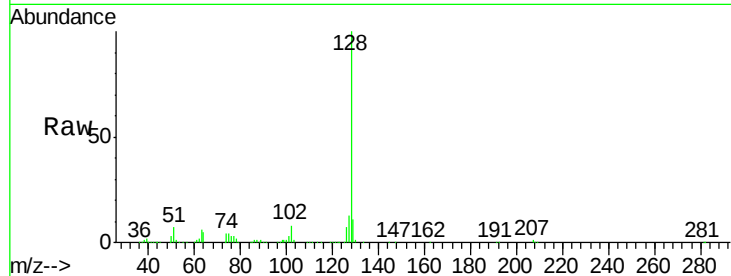




#95
Naphthalene
Concen: 41.24 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 858608
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 46.80 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050208.D
Acq: 31 Jul 2018 11:49

Tgt Ion:180 Resp: 408525
Ion Ratio Lower Upper
180 100
182 96.3 48.1 144.4
145 30.0 15.3 45.9

