

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050355.D
 Acq On : 4 Aug 2018 10:01
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 06 01:33:11 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	7.67	168	687536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	975221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	906980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	506374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	451086	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
35) Dibromofluoromethane	7.59	113	401867	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.09	98	1532805	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.40	95	538579	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	437679	44.31	ug/l	99
3) Chloromethane	2.06	50	431712	40.20	ug/l	98
4) Vinyl Chloride	2.18	62	460782	40.75	ug/l	98
5) Bromomethane	2.56	94	422432	67.63	ug/l	99
6) Chloroethane	2.70	64	279111	41.10	ug/l	98
7) Trichlorofluoromethane	3.01	101	644263	43.98	ug/l	99
8) Diethyl Ether	3.41	74	226772	46.43	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	408935	46.42	ug/l	100
10) Methyl Iodide	3.95	142	261877	23.16	ug/l	99
11) Tert butyl alcohol	4.79	59	157882	223.69	ug/l	100
12) 1,1-Dichloroethene	3.73	96	352141	44.44	ug/l	98
13) Acrolein	3.61	56	168301	296.78	ug/l	97
14) Allyl chloride	4.32	41	576616	46.93	ug/l	98
15) Acrylonitrile	4.99	53	724293	235.21	ug/l	100
16) Acetone	3.82	43	503346	222.28	ug/l	99
17) Carbon Disulfide	4.05	76	883839	36.41	ug/l	100
18) Methyl Acetate	4.33	43	502667	57.44	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1051735	49.80	ug/l	99
20) Methylene Chloride	4.55	84	414989	48.76	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	376085	44.79	ug/l	100
22) Diisopropyl ether	5.95	45	1260483	51.74	ug/l	100
23) Vinyl Acetate	5.90	43	3820882	221.92	ug/l	100
24) 1,1-Dichloroethane	5.85	63	738770	46.37	ug/l	99
25) 2-Butanone	6.84	43	834776	228.15	ug/l	100
26) 2,2-Dichloropropane	6.82	77	629852	51.97	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	438295	48.49	ug/l	98
28) Bromochloromethane	7.19	49	351260	48.34	ug/l	100
29) Tetrahydrofuran	7.21	42	552095	233.51	ug/l	100
30) Chloroform	7.37	83	764080	47.00	ug/l	98
31) Cyclohexane	7.65	56	607508	45.97	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	646684	46.50	ug/l	100
36) 1,1-Dichloropropene	7.79	75	556003	50.60	ug/l	99
37) Ethyl Acetate	6.93	43	359586	46.94	ug/l	99
38) Carbon Tetrachloride	7.77	117	566018	48.55	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	589407	52.15	ug/l	99
40) Benzene	8.04	78	1687444	50.47	ug/l	99
41) Methacrylonitrile	7.17	41	198742	49.82	ug/l	87
42) 1,2-Dichloroethane	8.12	62	540996	48.50	ug/l	100
43) Isopropyl Acetate	8.17	43	709105	49.10	ug/l	99
44) Trichloroethene	8.84	130	436814	48.62	ug/l	100
45) 1,2-Dichloropropane	9.12	63	458824	51.81	ug/l	97
46) Dibromomethane	9.21	93	274339	49.89	ug/l	99
47) Bromodichloromethane	9.40	83	591983	51.01	ug/l	100
48) Methyl methacrylate	9.20	41	352101	53.37	ug/l	99
49) 1,4-Dioxane	9.20	88	94228	1049.52	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1961083	260.42	ug/l	100
52) Toluene	10.16	92	1048829	53.14	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	605730	55.31	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	680462	54.37	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	406301	51.90	ug/l	100
56) Ethyl methacrylate	10.43	69	524754	49.51	ug/l	99
57) 1,3-Dichloropropane	10.71	76	666217	52.26	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1191259	240.78	ug/l	100
59) 2-Hexanone	10.75	43	1374391	248.41	ug/l	100
60) Dibromochloromethane	10.90	129	456487	52.67	ug/l	99
61) 1,2-Dibromoethane	11.01	107	397264	51.15	ug/l	100
64) Tetrachloroethene	10.63	164	417820	47.92	ug/l	99
65) Chlorobenzene	11.43	112	1156219	50.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	444144	50.46	ug/l	99
67) Ethyl Benzene	11.51	91	2011482	54.66	ug/l	100
68) m/p-Xylenes	11.62	106	1558460	111.96	ug/l	100
69) o-Xylene	11.95	106	740347	55.79	ug/l	100
70) Styrene	11.96	104	1231873	52.16	ug/l	100
71) Bromoform	12.13	173	322866	50.42	ug/l #	98
73) Isopropylbenzene	12.25	105	2017004	51.36	ug/l	100
74) N-amyl acetate	12.07	43	589925	49.15	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	522353	49.79	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	656292	69.74	ug/l #	100
77) Bromobenzene	12.53	156	521460	47.91	ug/l	100
78) n-propylbenzene	12.59	91	2366528	53.91	ug/l	100
79) 2-Chlorotoluene	12.68	91	1384476	50.89	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1699206	55.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	148470	50.04	ug/l	97
82) 4-Chlorotoluene	12.77	91	1435657	53.29	ug/l	99
83) tert-Butylbenzene	12.99	119	1464681	54.33	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1737683	55.81	ug/l	100
85) sec-Butylbenzene	13.17	105	1968390	54.65	ug/l	100
86) p-Isopropyltoluene	13.29	119	1746467	57.54	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	947195	51.33	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	930182	51.72	ug/l	99
89) n-Butylbenzene	13.62	91	1477811	59.21	ug/l	100
90) Hexachloroethane	13.88	117	292516	43.40	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	913608	49.53	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83112	47.46	ug/l	99

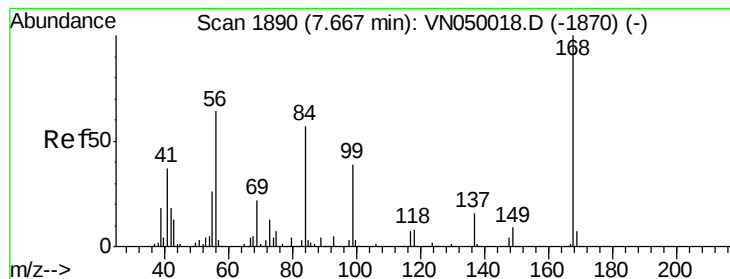
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	516580	52.64	ug/l	98
94) Hexachlorobutadiene	15.01	225	287778	50.96	ug/l	100
95) Naphthalene	15.14	128	1159668	50.13	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	496599	52.03	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

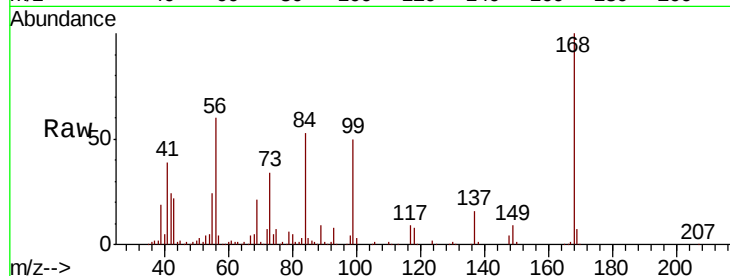
VSTDCCC050

Tot Ion:168 Resp: 687536

Ion Ratio Lower Upper

168 100

99 50.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

300000

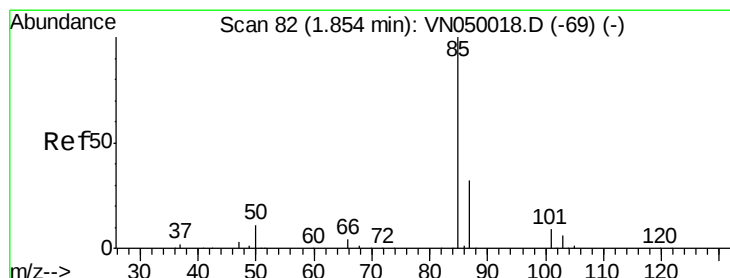
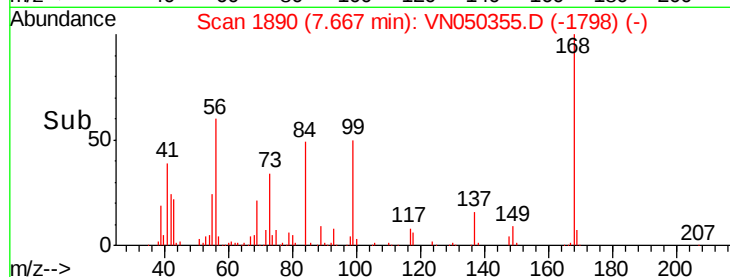
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.31 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050355.D

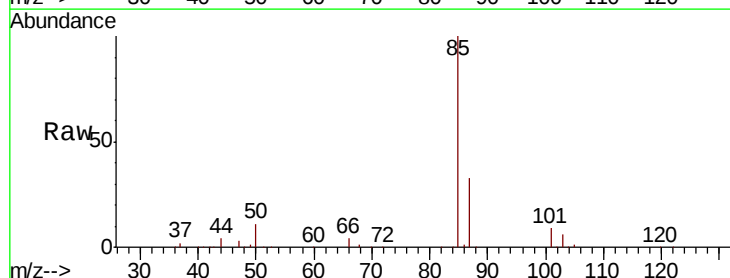
Acq: 4 Aug 2018 10:01

Tgt Ion: 85 Resp: 437679

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

300000

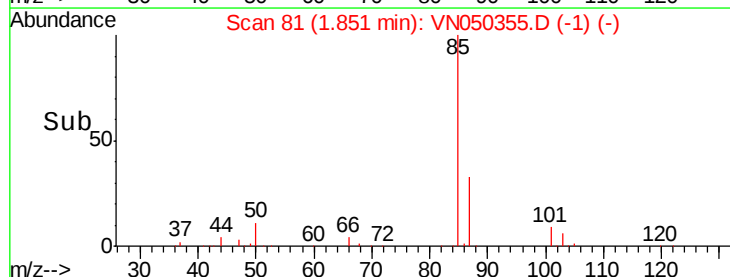
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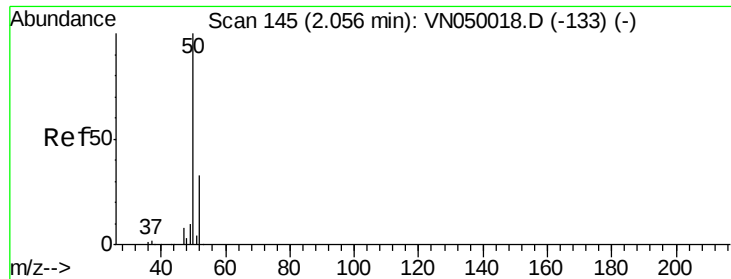
100000

0

1.80 1.85 1.90 1.95

Time-->

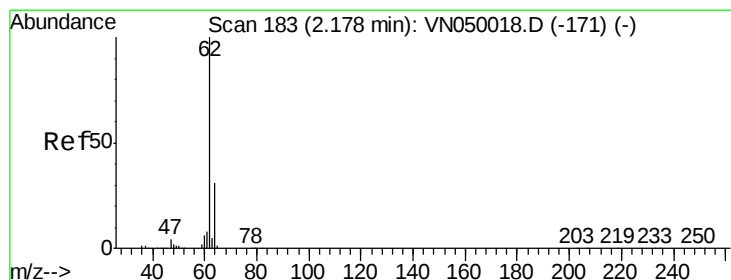
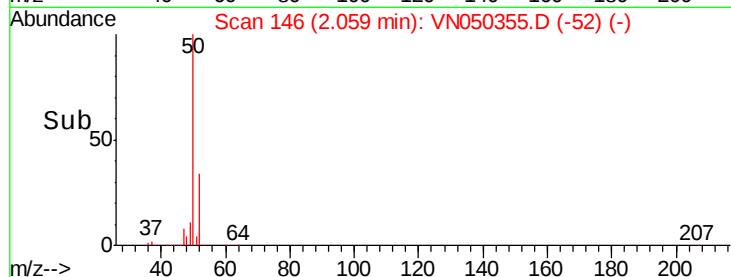
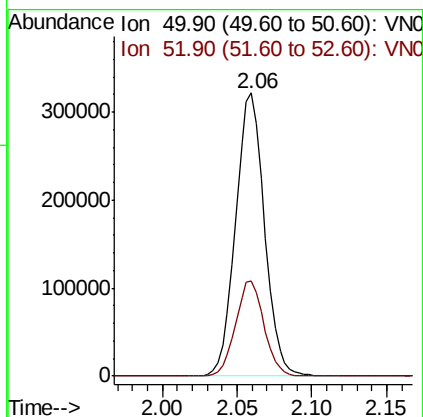
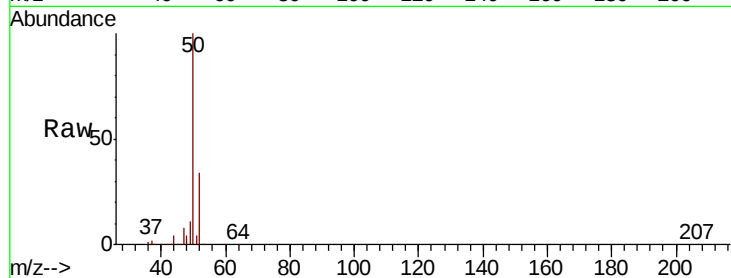




#3
Chloromethane
Concen: 40.20 ug/l
RT: 2.06 min Scan# 146
Delta R.T. 0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

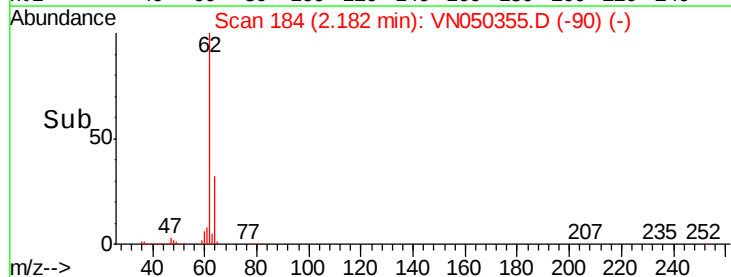
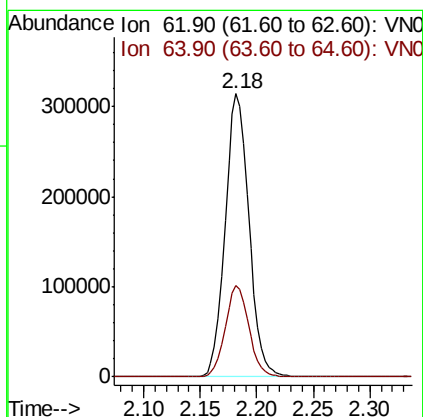
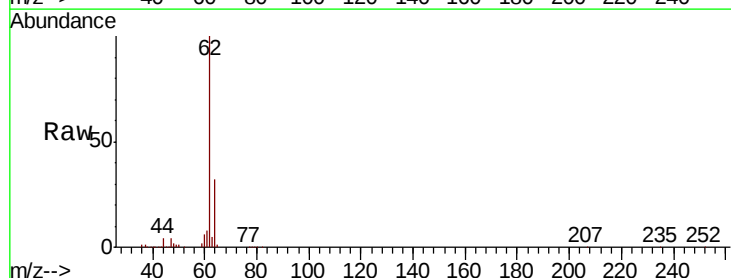
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

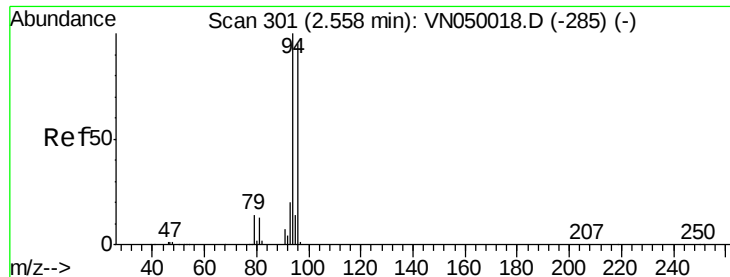
Tot Ion: 50 Resp: 431712
Ion Ratio Lower Upper
50 100
52 33.6 25.9 38.9



#4
Vinyl Chloride
Concen: 40.75 ug/l
RT: 2.18 min Scan# 184
Delta R.T. 0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion: 62 Resp: 460782
Ion Ratio Lower Upper
62 100
64 32.1 24.7 37.1





#5

Bromomethane

Concen: 67.63 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

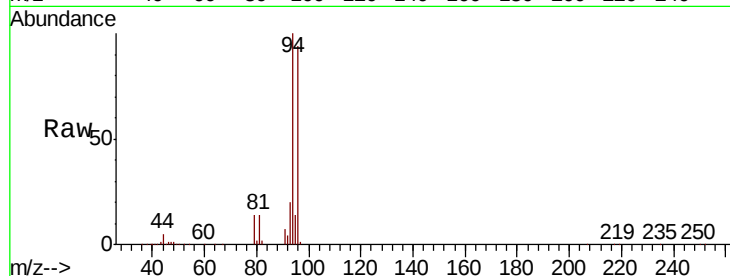
VSTDCCC050

Tot Ion: 94 Resp: 422432

Ion Ratio Lower Upper

94 100

96 94.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.56

200000

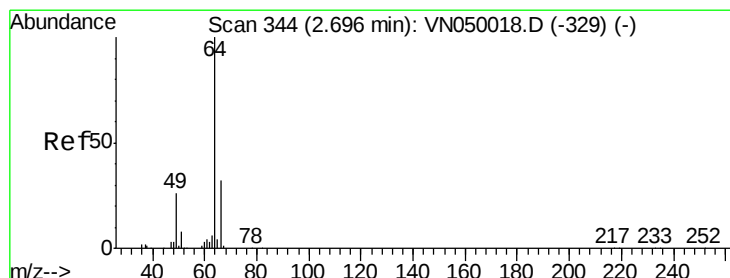
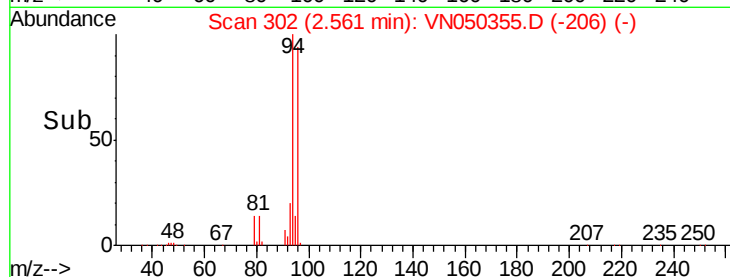
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 41.10 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050355.D

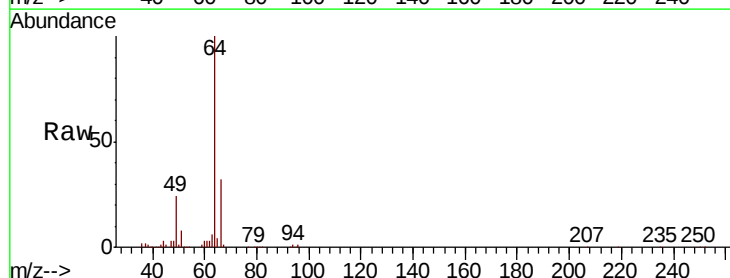
Acq: 4 Aug 2018 10:01

Tgt Ion: 64 Resp: 279111

Ion Ratio Lower Upper

64 100

66 32.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

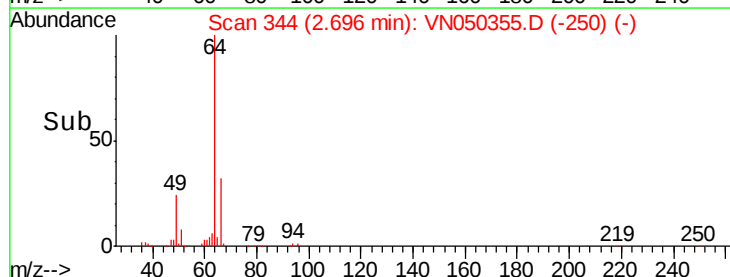
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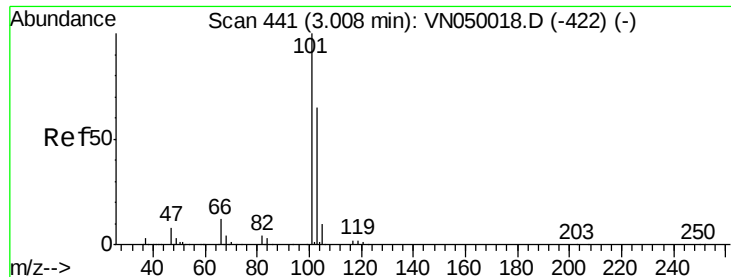
100000

50000

0

Time-->





#7

Trichlorofluoromethane

Concen: 43.98 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

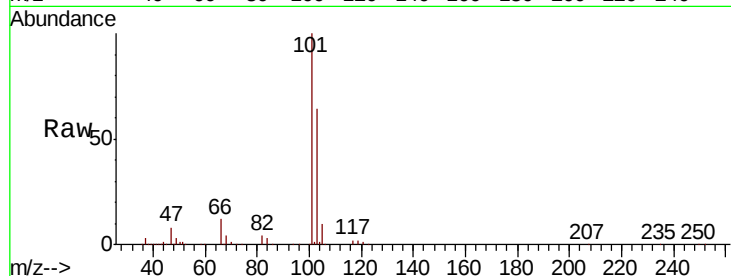
VSTDCCC050

Tot Ion:101 Resp: 644263

Ion Ratio Lower Upper

101 100

103 63.8 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

200000

100000

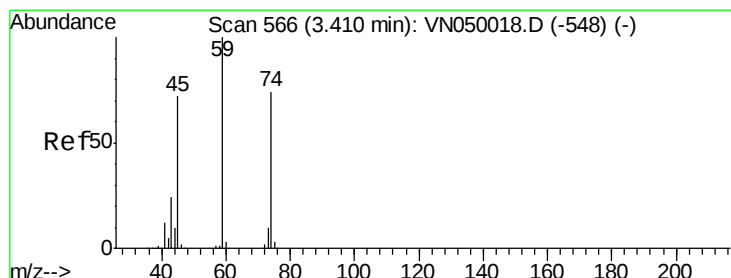
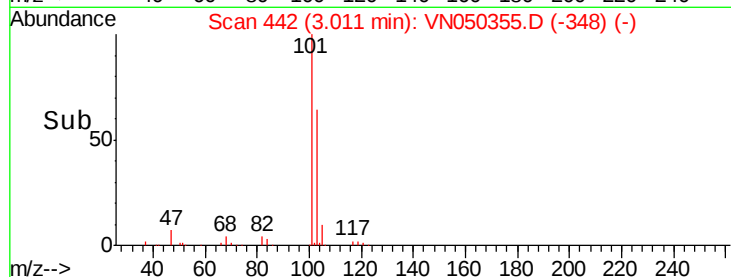
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Time-->

2.90

3.00

3.10



#8

Diethyl Ether

Concen: 46.43 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050355.D

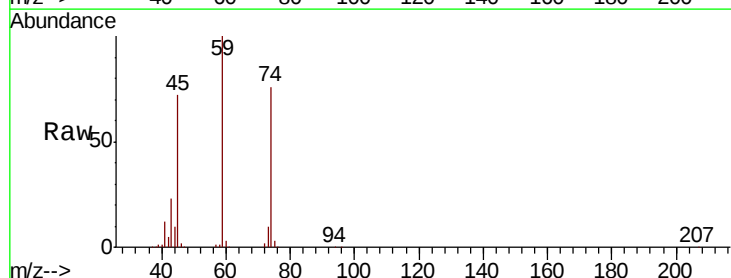
Acq: 4 Aug 2018 10:01

Tgt Ion: 74 Resp: 226772

Ion Ratio Lower Upper

74 100

45 95.2 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

120000

100000

80000

60000

40000

20000

0

Time-->

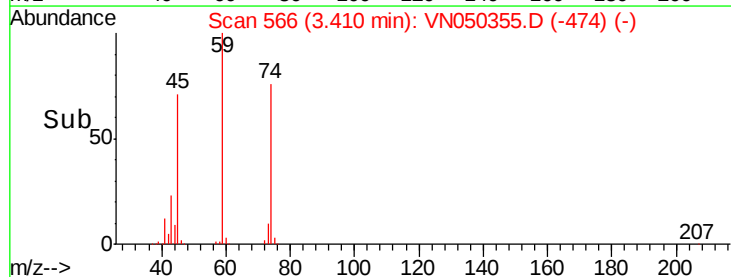
3.30

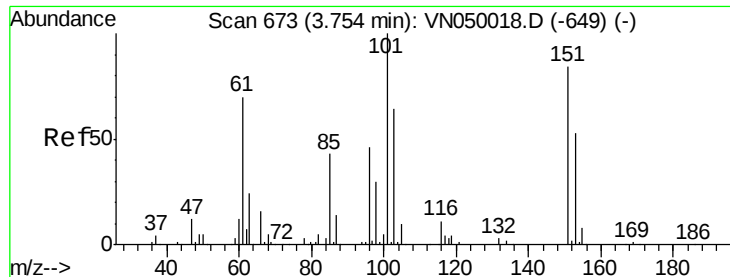
3.35

3.40

3.45

3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.42 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

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ClientSampleId :

VSTDCCC050

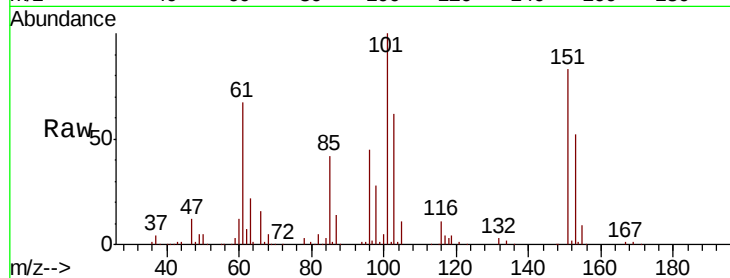
Tot Ion:101 Resp: 408935

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

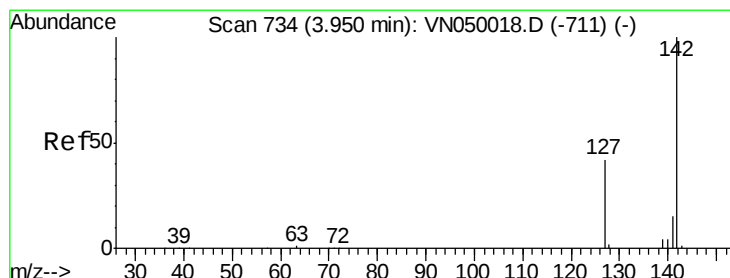
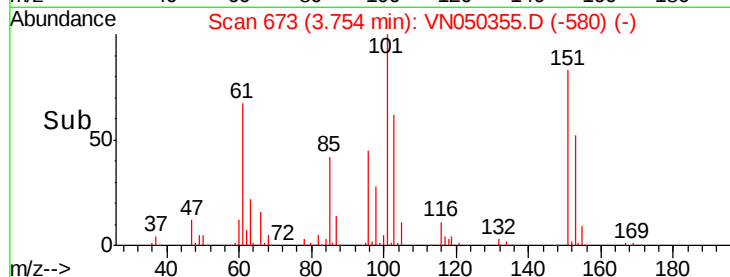
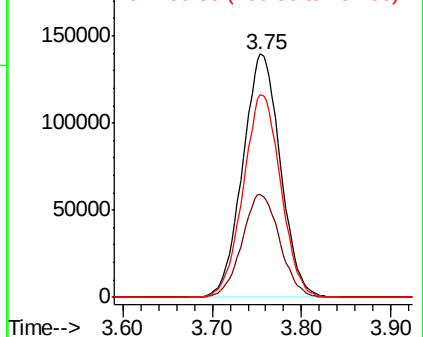
151 83.1 66.3 99.5



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: 23.16 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

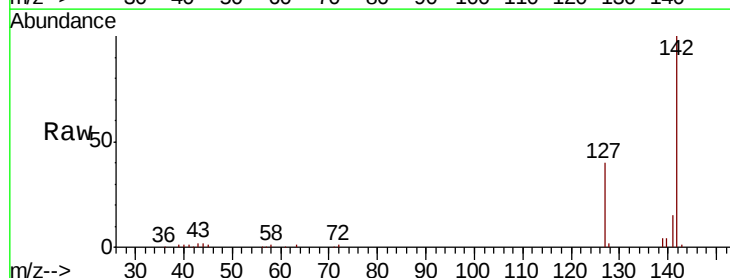
Tgt Ion:142 Resp: 261877

Ion Ratio Lower Upper

142 100

127 41.0 33.4 50.2

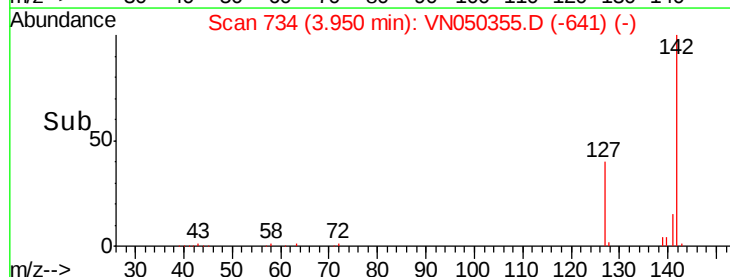
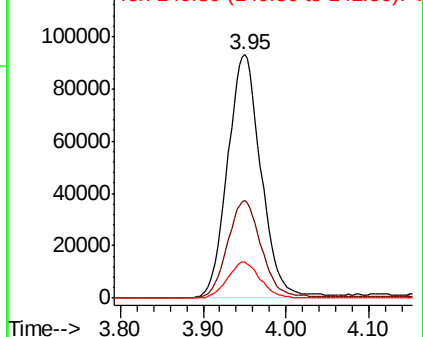
141 14.3 11.6 17.4

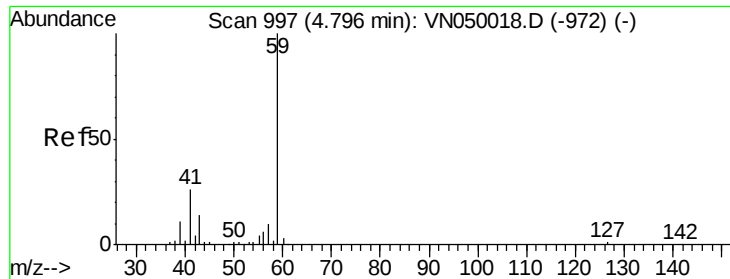


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



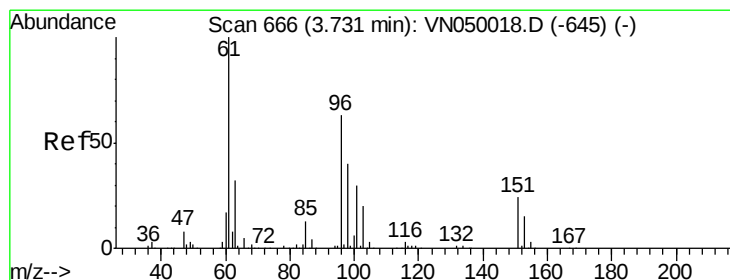
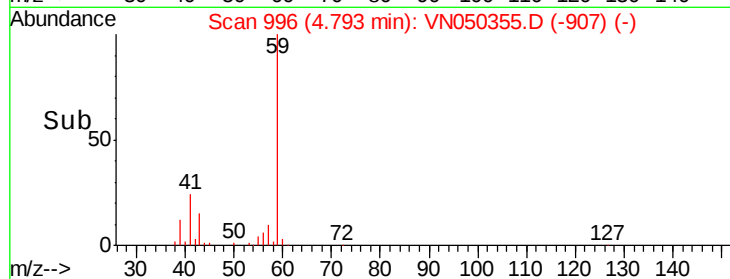
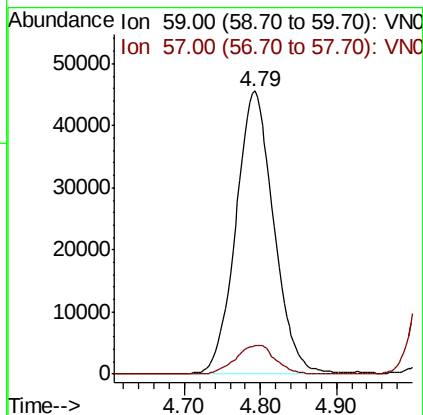
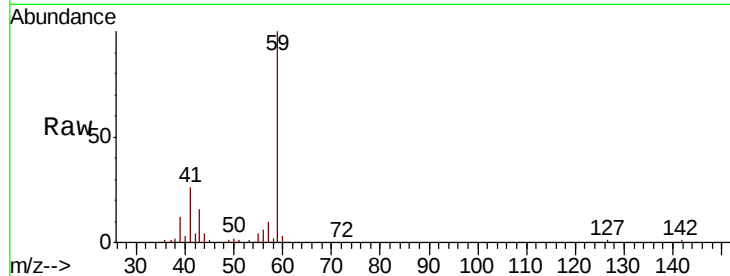


#11

Tert butyl alcohol
 Concen: 223.69 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

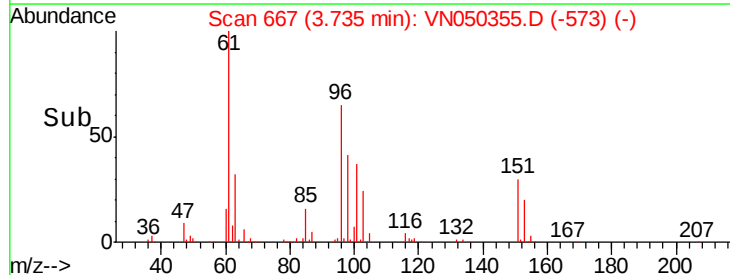
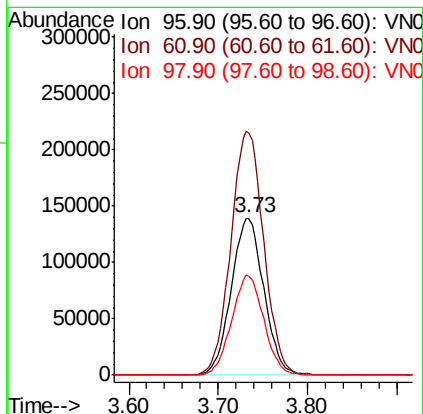
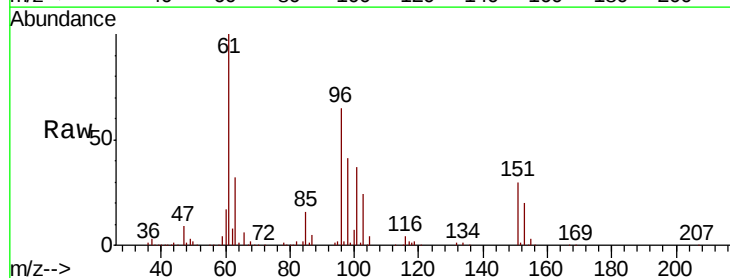
Tot Ion: 59 Resp: 157882
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.5 12.7

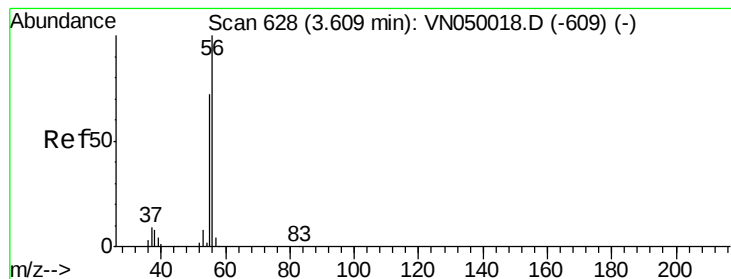


#12

1,1-Dichloroethene
 Concen: 44.44 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

Tgt Ion: 96 Resp: 352141
 Ion Ratio Lower Upper
 96 100
 61 154.5 124.4 186.6
 98 63.3 48.3 72.5





#13

Acrolein

Concen: 296.78 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

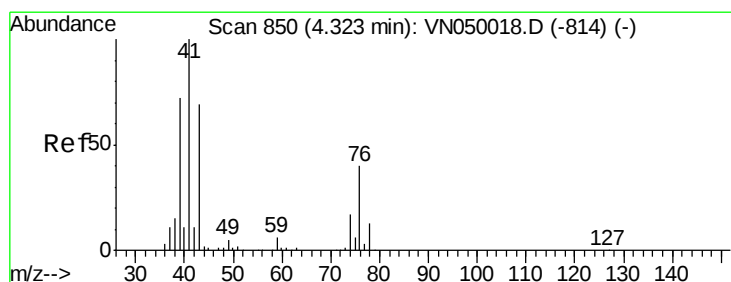
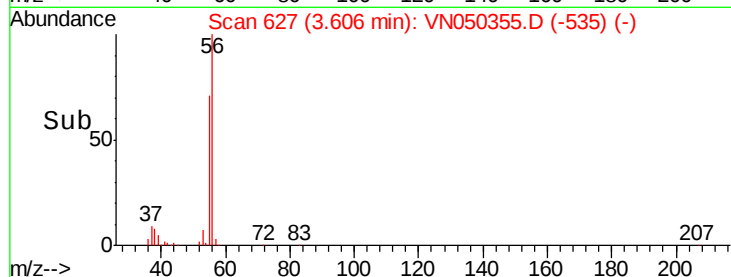
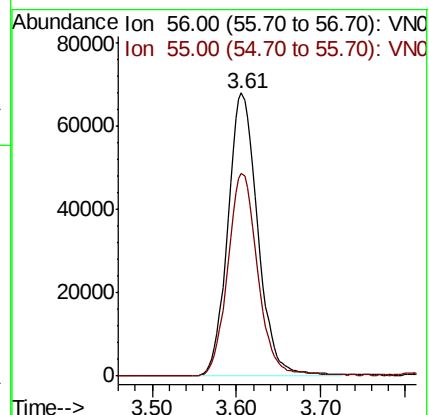
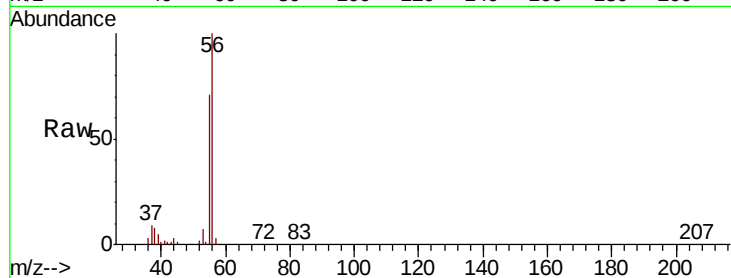
VSTDCCC050

Tot Ion: 56 Resp: 168301

Ion Ratio Lower Upper

56 100

55 72.0 55.8 83.6



#14

Allyl chloride

Concen: 46.93 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

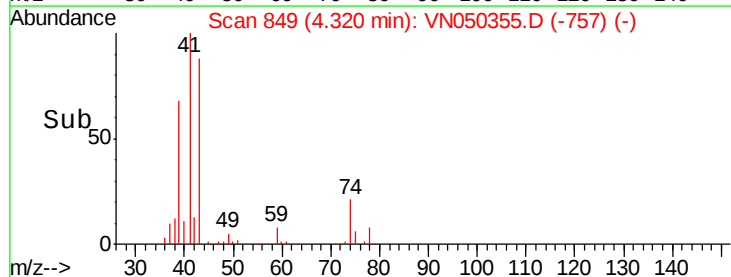
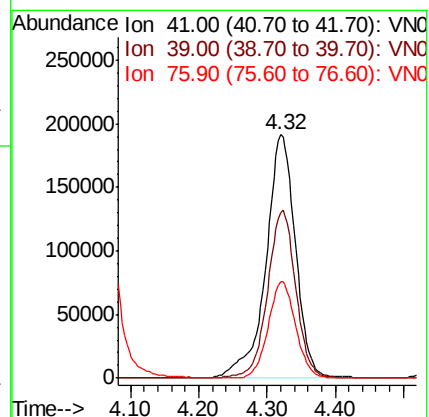
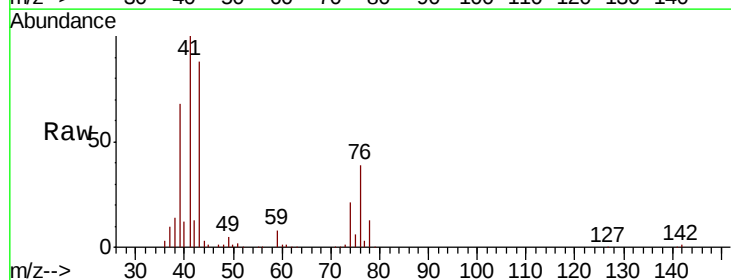
Tgt Ion: 41 Resp: 576616

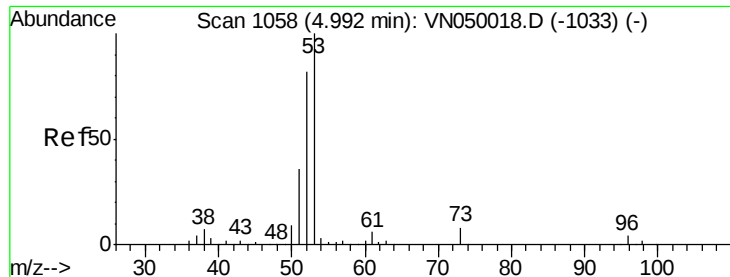
Ion Ratio Lower Upper

41 100

39 65.7 54.2 81.4

76 36.3 29.0 43.6





#15

Acrylonitrile

Concen: 235.21 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

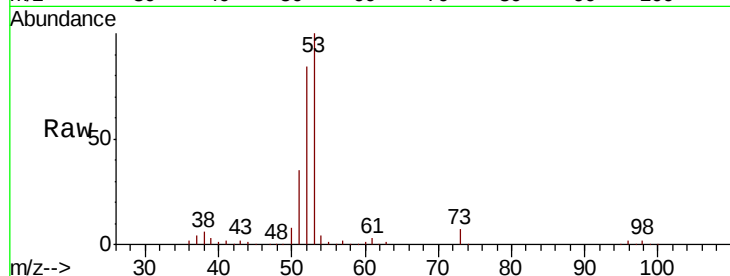
Tot Ion: 53 Resp: 724293

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.2

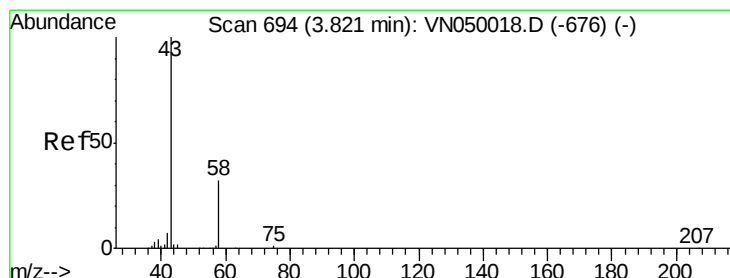
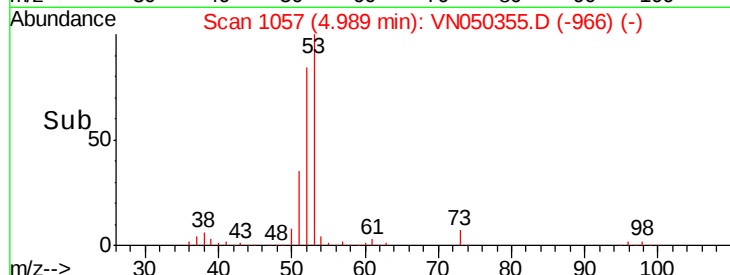
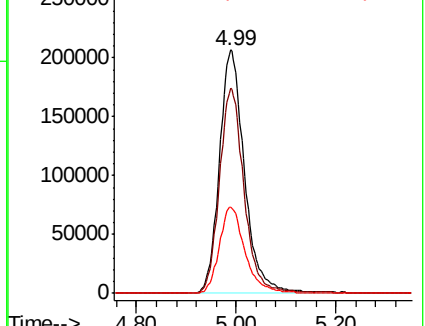
51 36.4 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 222.28 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN050355.D

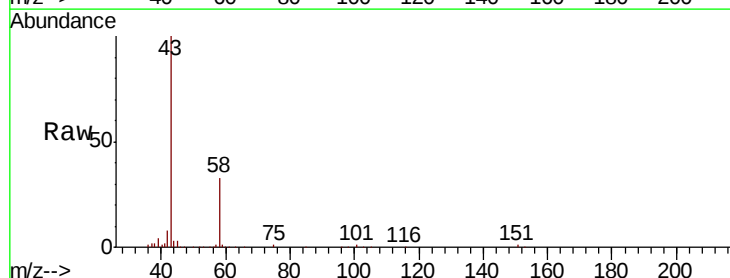
Acq: 4 Aug 2018 10:01

Tgt Ion: 43 Resp: 503346

Ion Ratio Lower Upper

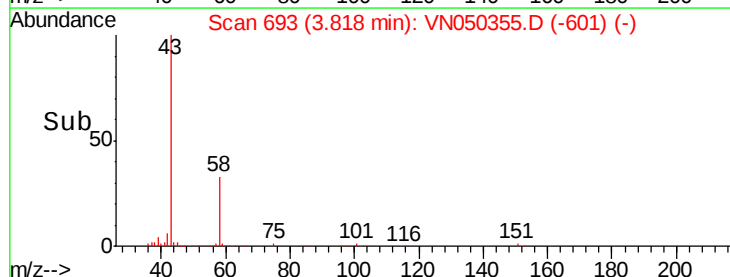
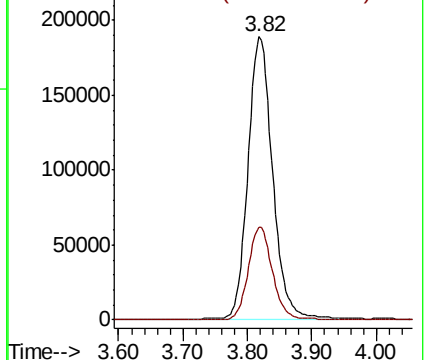
43 100

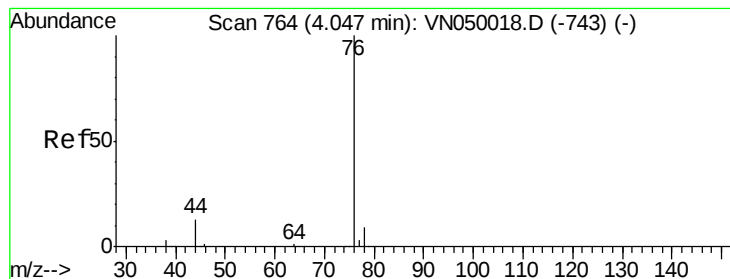
58 32.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 36.41 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

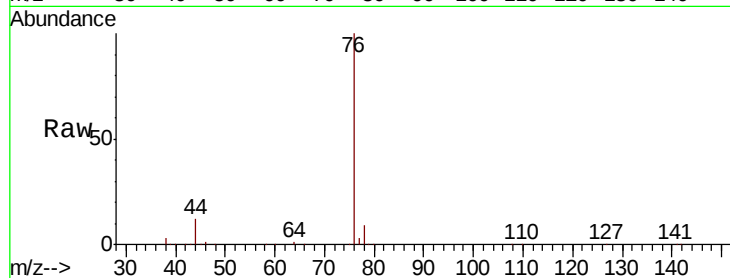
VSTDCCC050

Tot Ion: 76 Resp: 883839

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

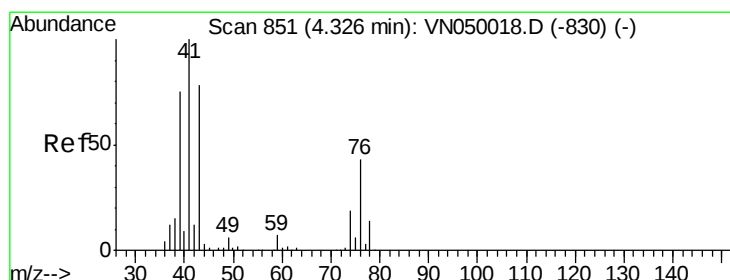
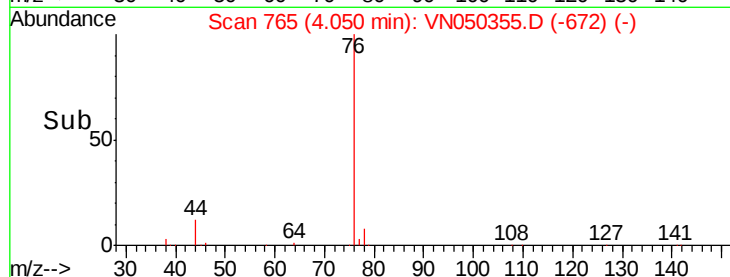
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 57.44 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.01 min

Lab File: VN050355.D

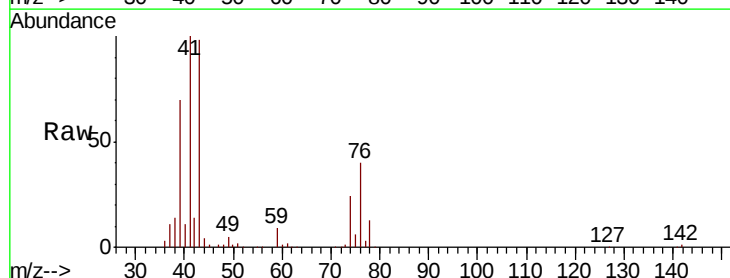
Acq: 4 Aug 2018 10:01

Tgt Ion: 43 Resp: 502667

Ion Ratio Lower Upper

43 100

74 24.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

200000

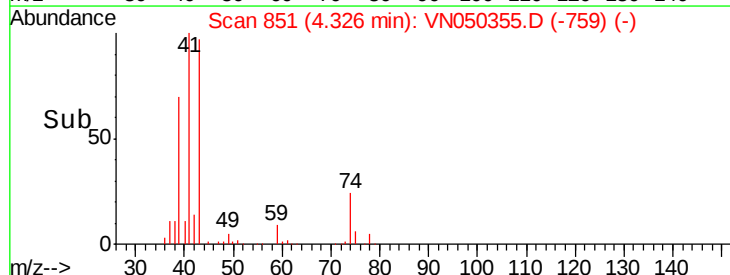
150000

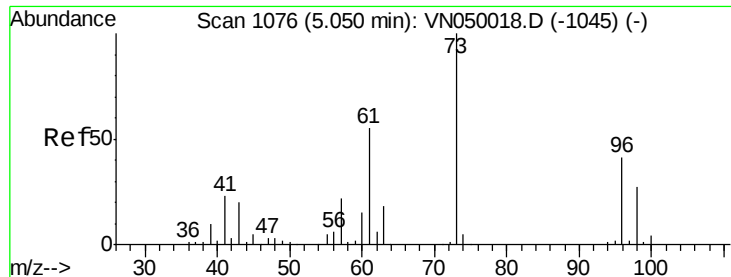
100000

50000

0

Time-->

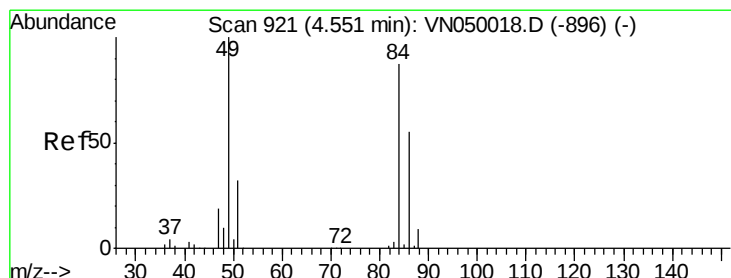
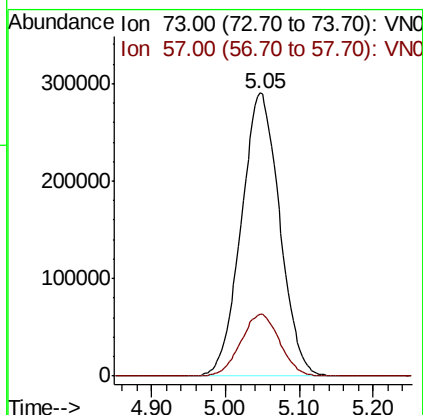
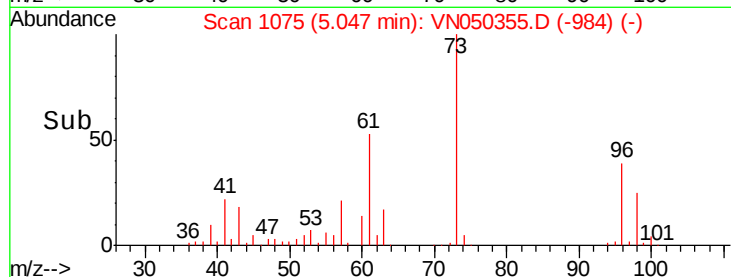
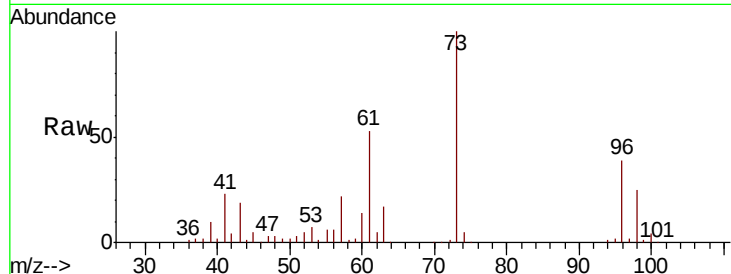




#19
Methvl tert-butvl Ether
Concen: 49.80 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

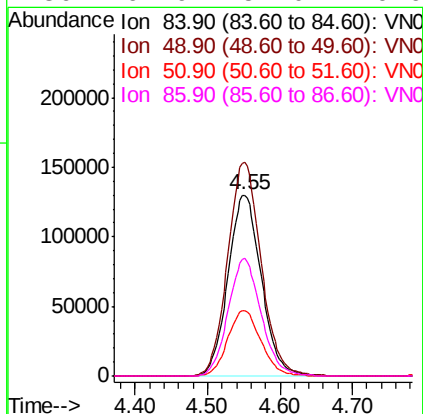
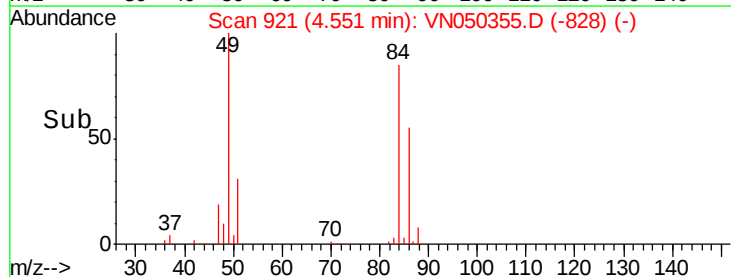
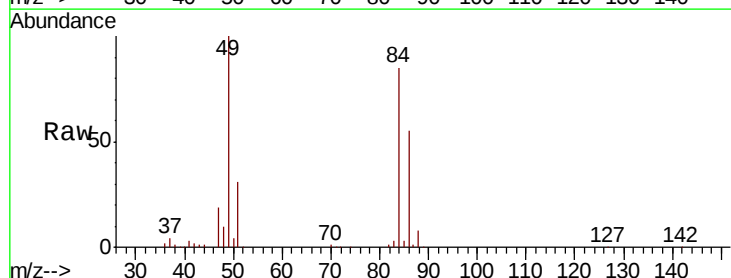
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

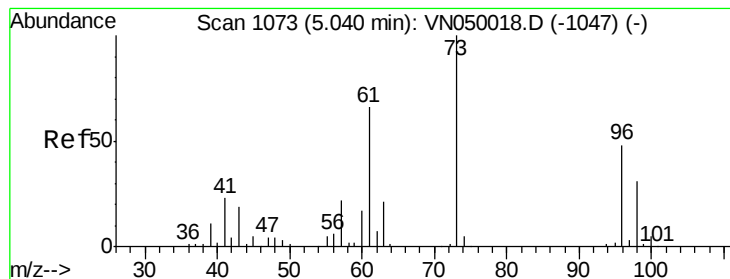
Tot Ion: 73 Resp: 1051735
Ion Ratio Lower Upper
73 100
57 21.8 18.0 27.0



#20
Methylene Chloride
Concen: 48.76 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion: 84 Resp: 414989
Ion Ratio Lower Upper
84 100
49 118.3 94.8 142.2
51 36.1 28.3 42.5
86 64.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 44.79 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

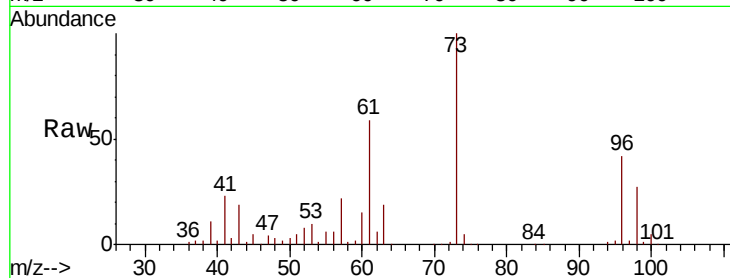
Tot Ion: 96 Resp: 376085

Ion Ratio Lower Upper

96 100

61 139.2 110.7 166.1

98 64.4 51.6 77.4

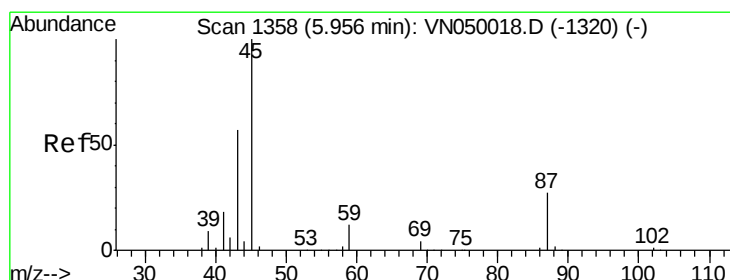
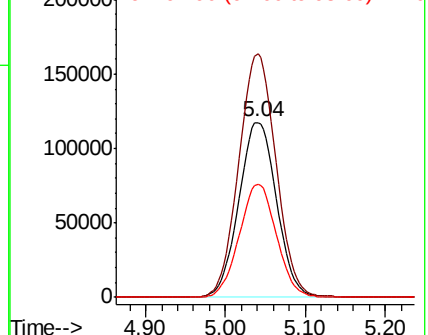
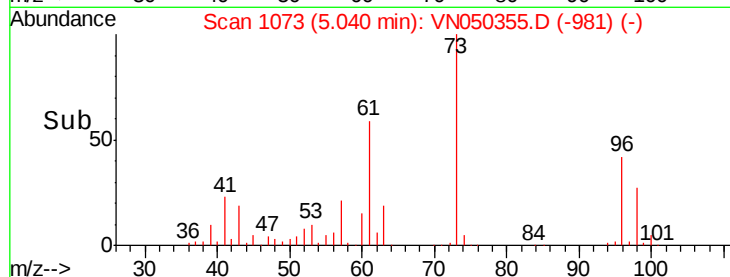


Abundance

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: 51.74 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Tgt Ion: 45 Resp: 1260483

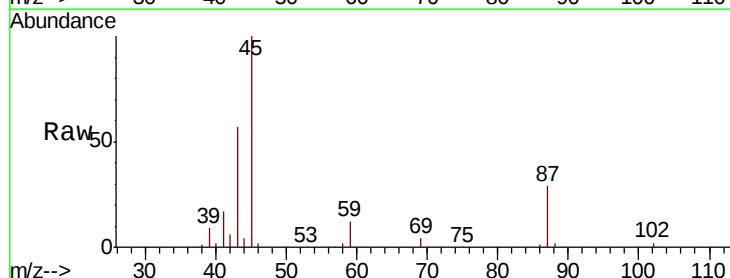
Ion Ratio Lower Upper

45 100

43 56.9 45.7 68.5

87 28.5 22.7 34.1

59 12.3 9.5 14.3



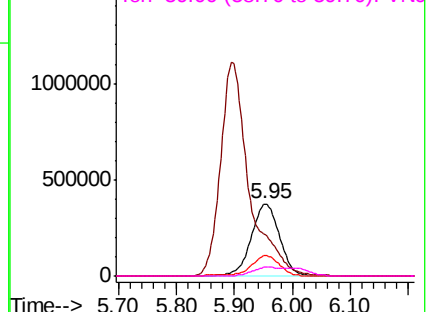
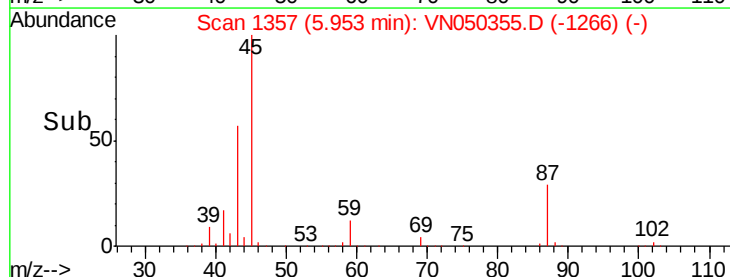
Abundance

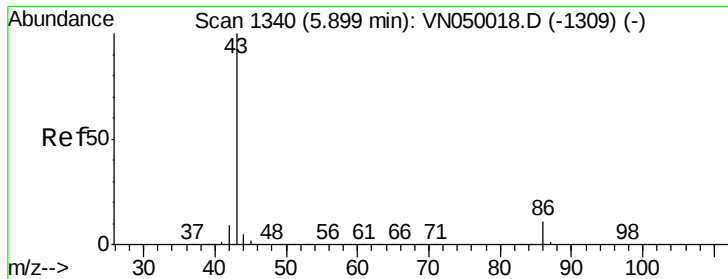
Ion 45.00 (44.70 to 45.70): VN0

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

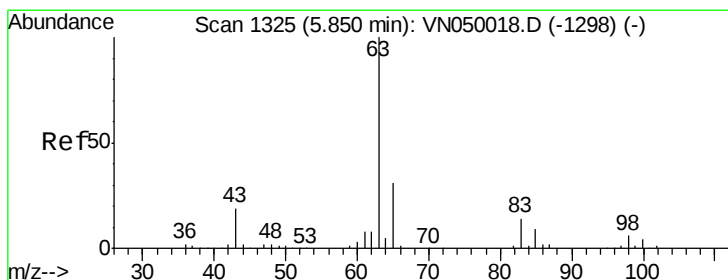
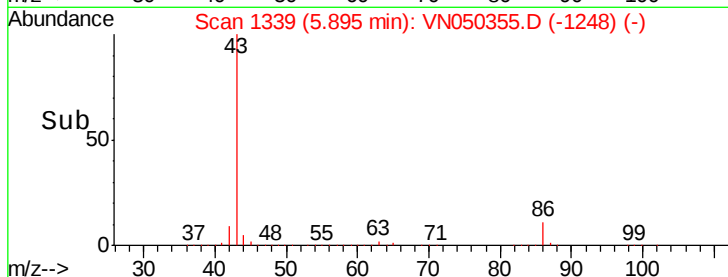
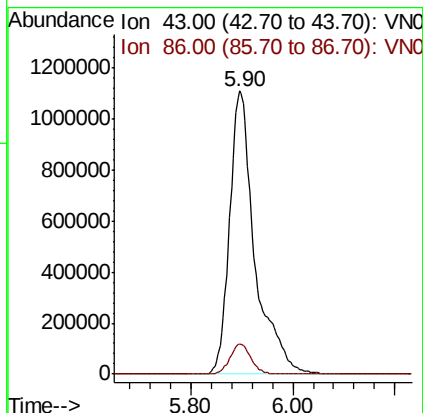
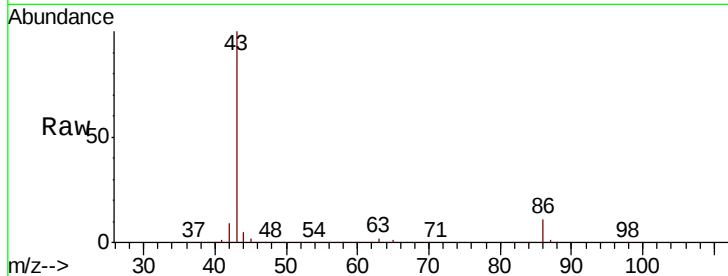




#23
 Vinyl Acetate
 Concen: 221.92 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

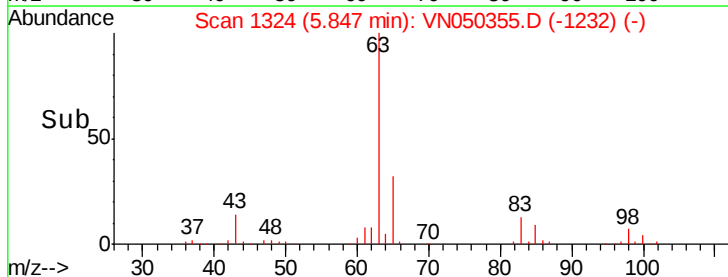
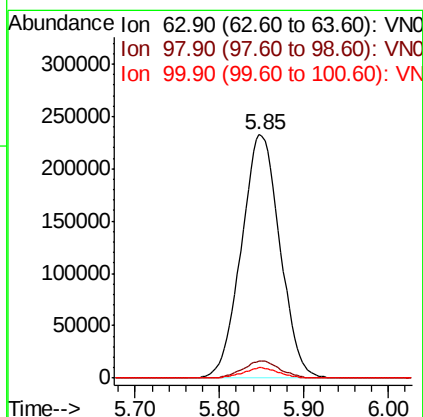
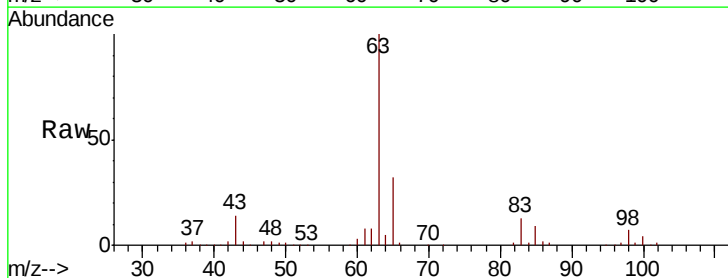
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

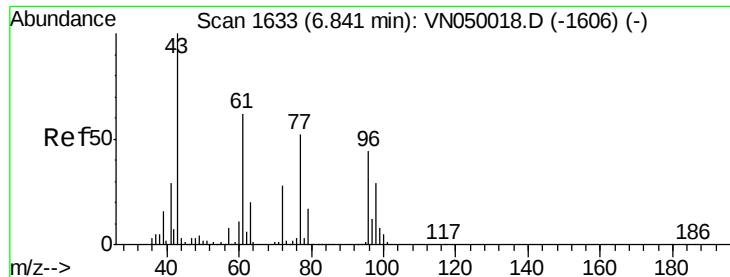
Tot Ion: 43 Resp: 3820882
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 46.37 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

Tgt Ion: 63 Resp: 738770
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.1 2.1 6.3

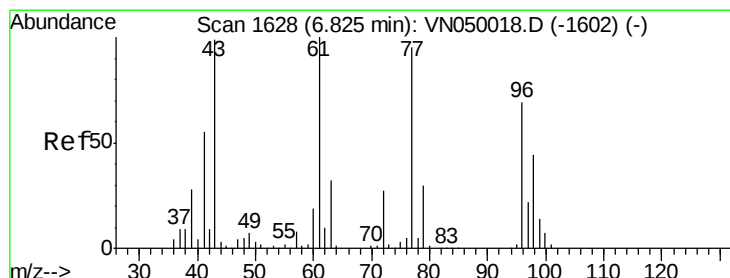
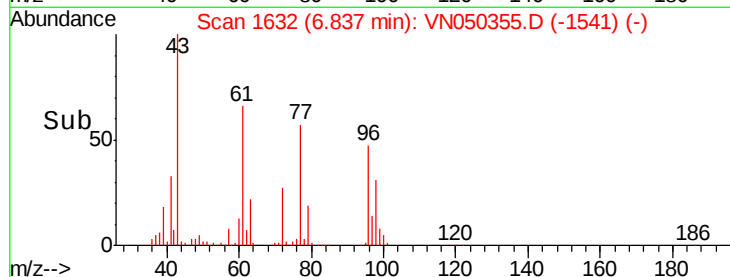
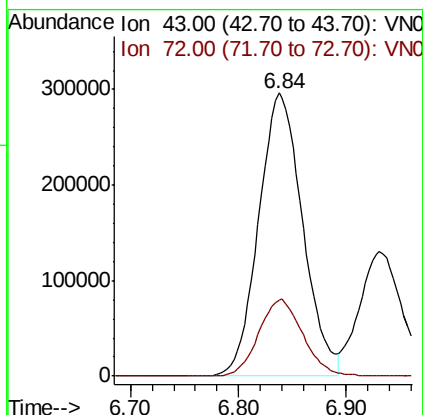
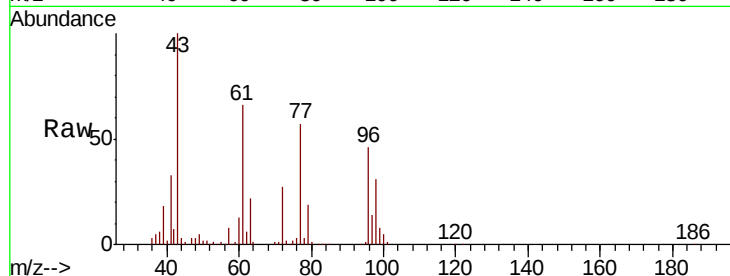




#25
 2-Butanone
 Concen: 228.15 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

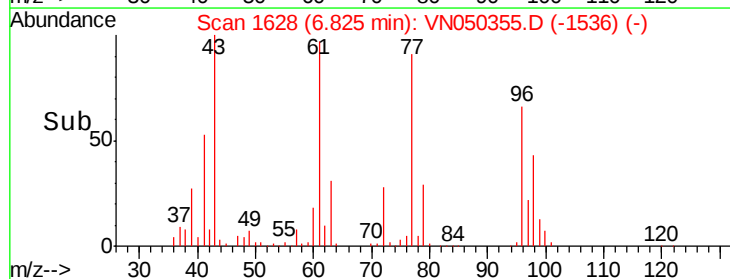
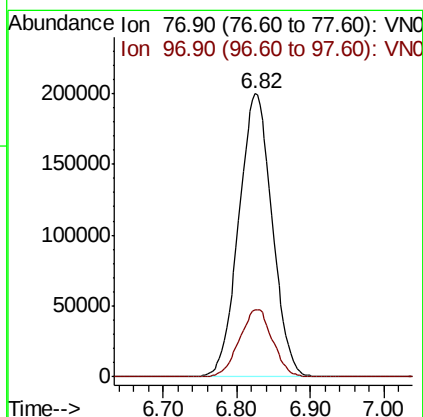
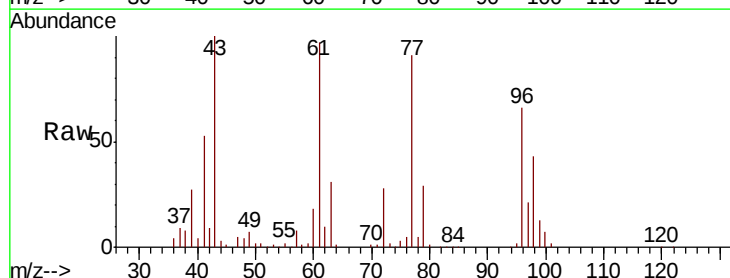
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

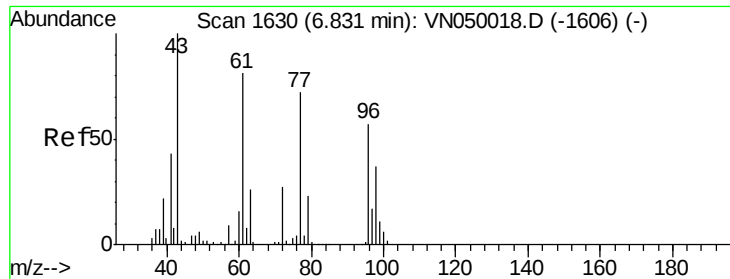
Tot Ion: 43 Resp: 834776
 Ion Ratio Lower Upper
 43 100
 72 27.1 21.5 32.3



#26
 2,2-Dichloropropane
 Concen: 51.97 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

Tgt Ion: 77 Resp: 629852
 Ion Ratio Lower Upper
 77 100
 97 23.6 11.8 35.3

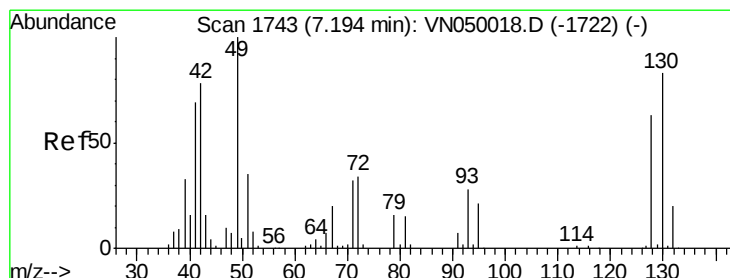
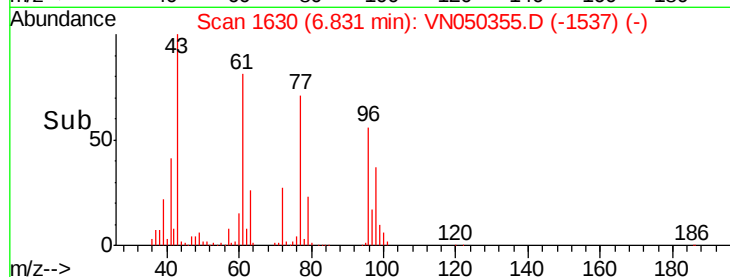
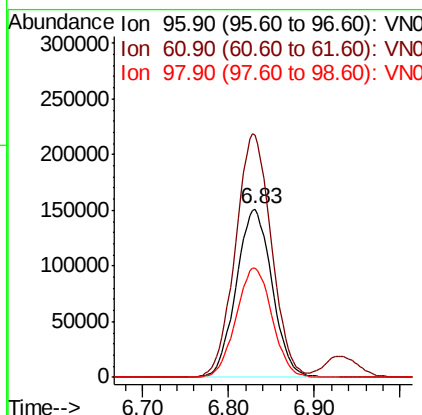
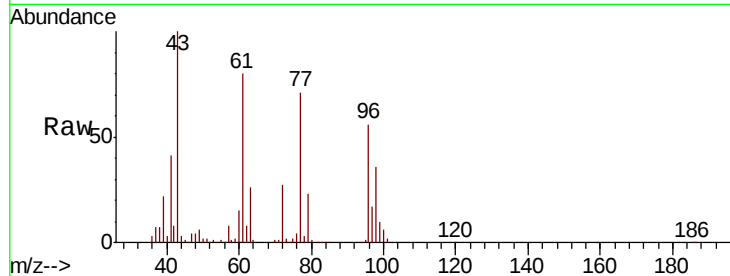




#27
 cis-1,2-Dichloroethene
 Concen: 48.49 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

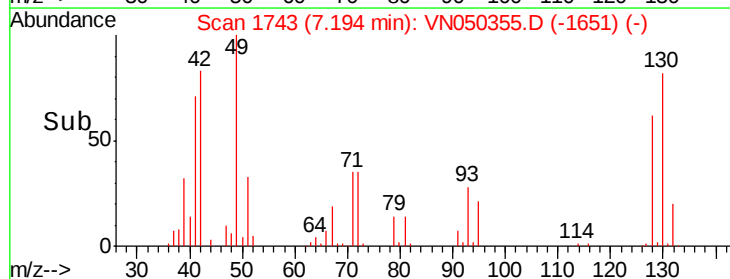
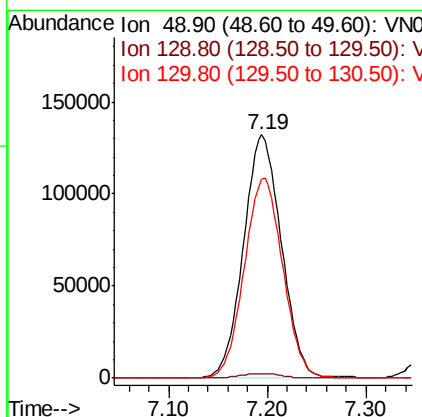
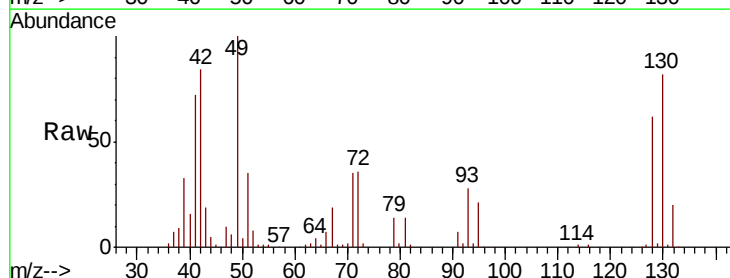
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

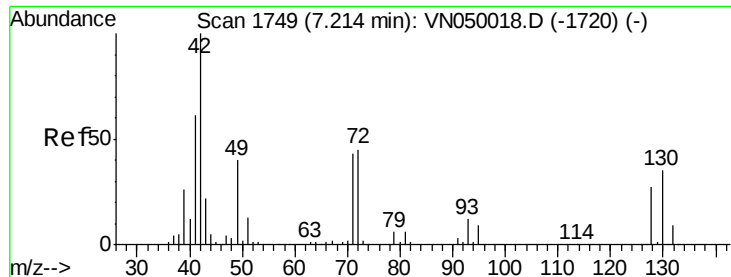
Tot Ion: 96 Resp: 438295
 Ion Ratio Lower Upper
 96 100
 61 144.9 0.0 285.0
 98 65.4 0.0 129.2



#28
 Bromochloromethane
 Concen: 48.34 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

Tgt Ion: 49 Resp: 351260
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.0
 130 83.3 66.3 99.5

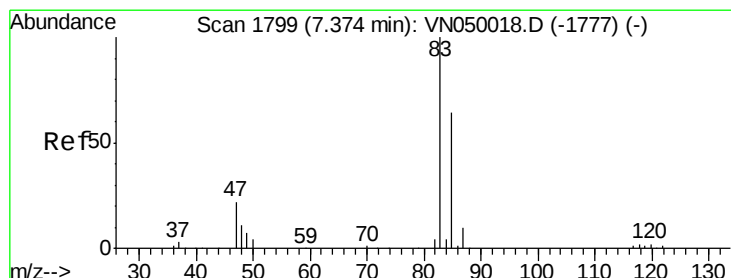
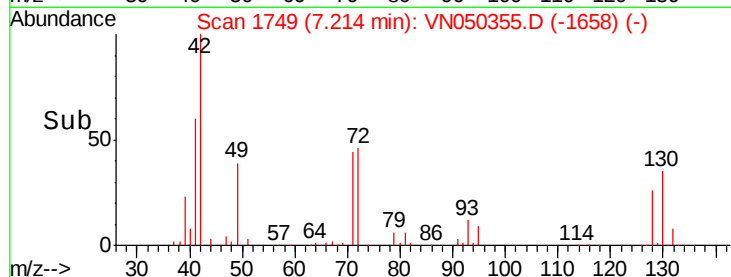
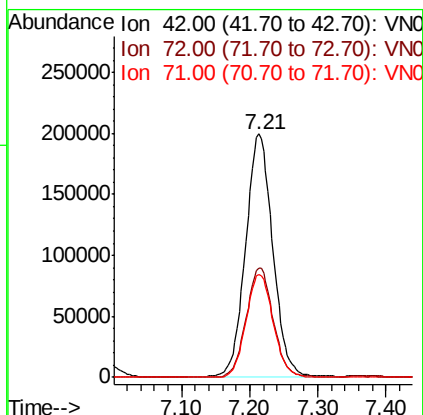
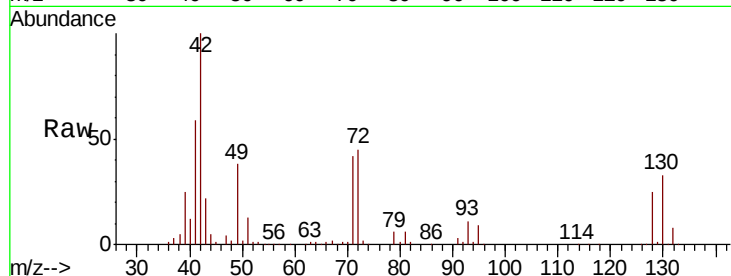




#29
Tetrahydrofuran
Concen: 233.51 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

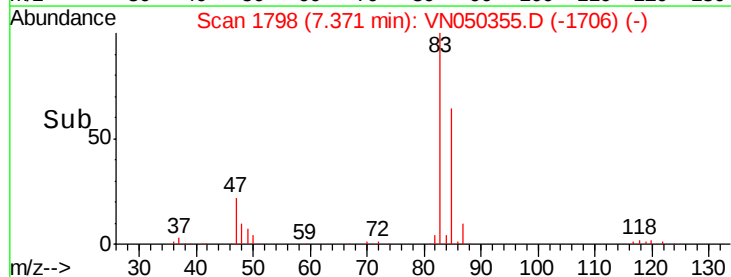
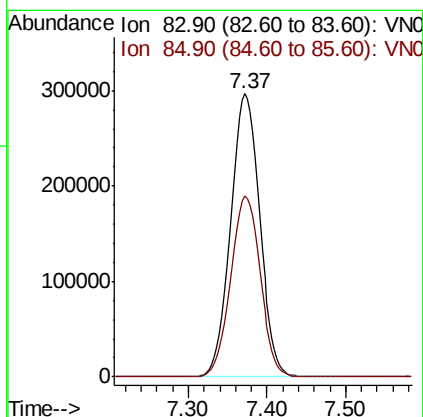
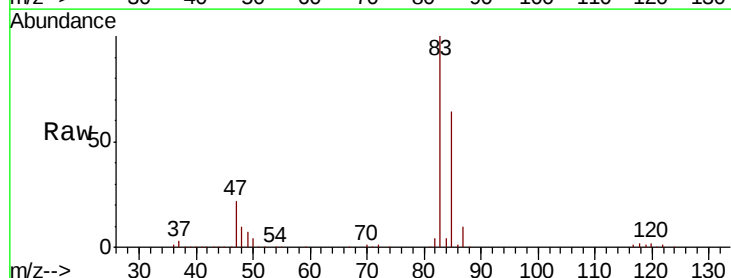
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

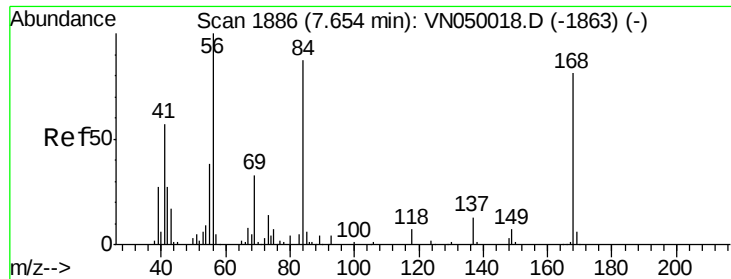
Tot Ion: 42 Resp: 552095
Ion Ratio Lower Upper
42 100
72 44.8 35.9 53.9
71 42.2 33.7 50.5



#30
Chloroform
Concen: 47.00 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion: 83 Resp: 764080
Ion Ratio Lower Upper
83 100
85 63.8 52.5 78.7

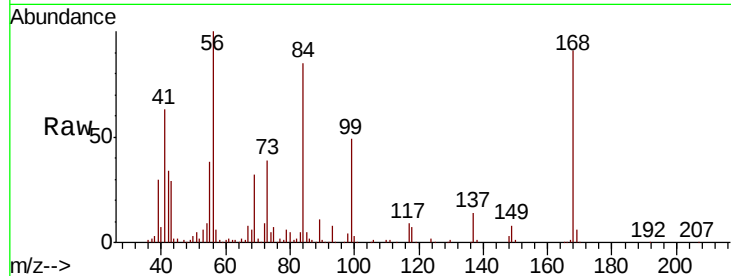




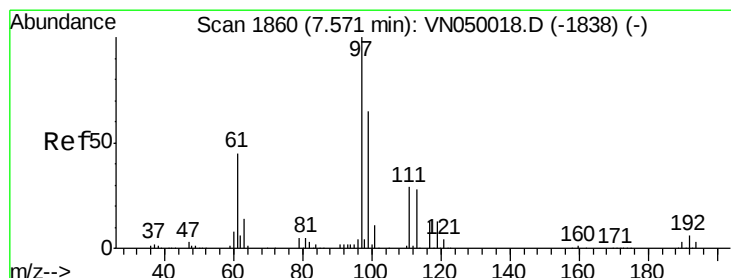
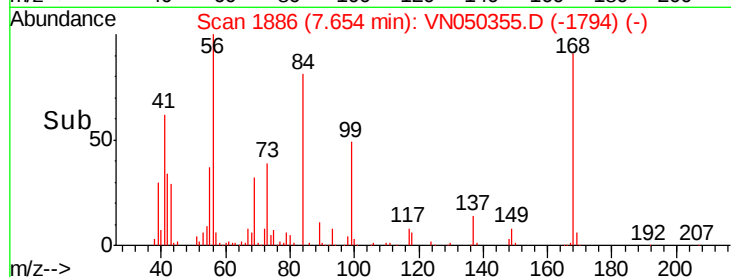
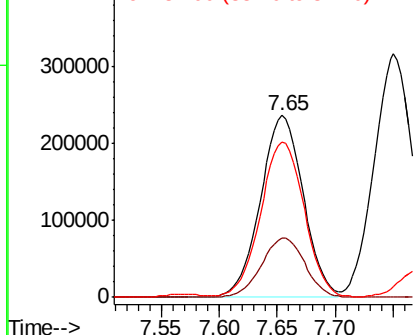
#31
Cyclohexane
Concen: 45.97 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 607508
Ion Ratio Lower Upper
56 100
69 32.5 26.2 39.4
84 83.7 67.4 101.0

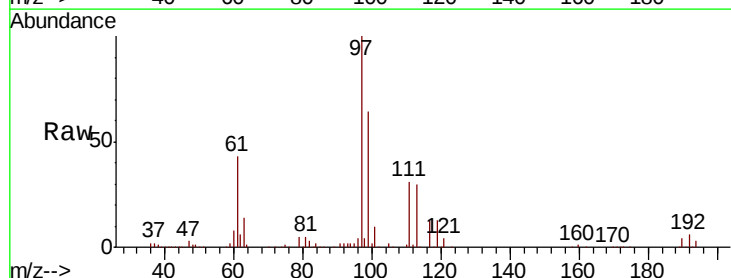


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

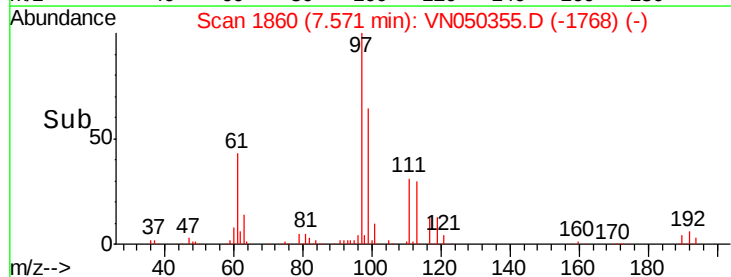
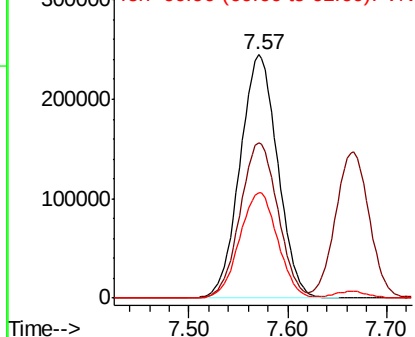


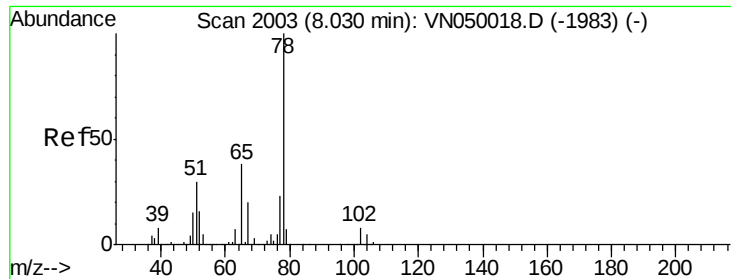
#32
1,1,1-Trichloroethane
Concen: 46.50 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion: 97 Resp: 646684
Ion Ratio Lower Upper
97 100
99 64.1 51.4 77.0
61 43.9 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

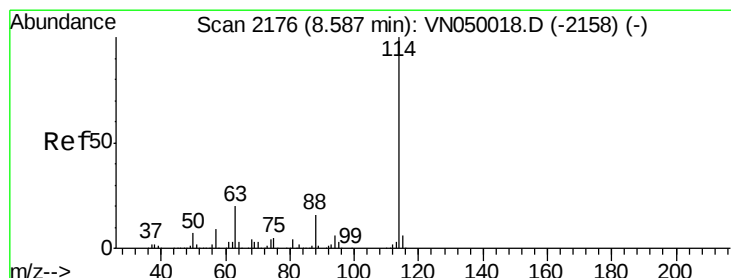
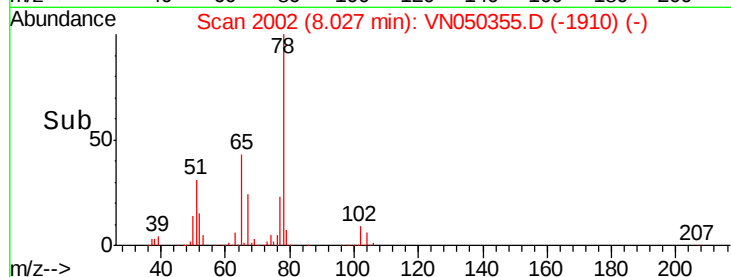
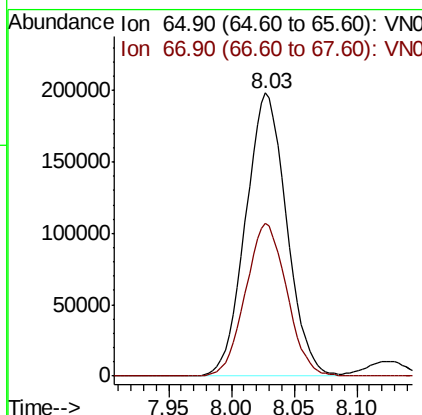
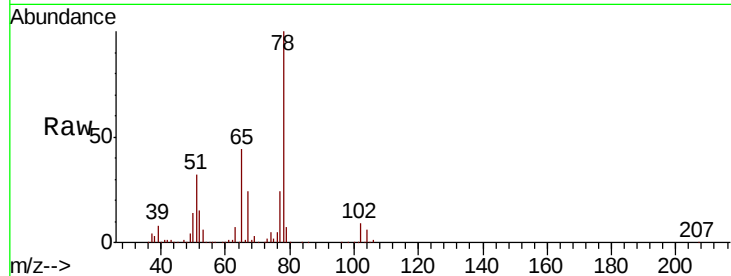




#33
 1,2-Dichloroethane-d4
 Concen: 47.02 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

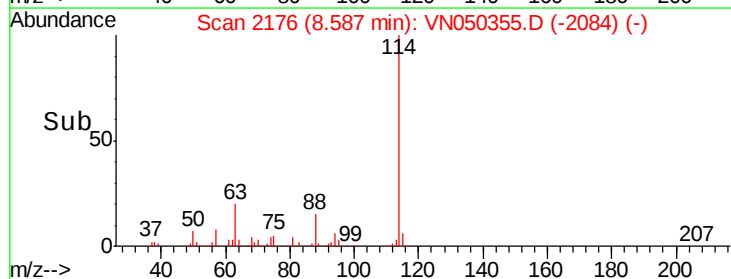
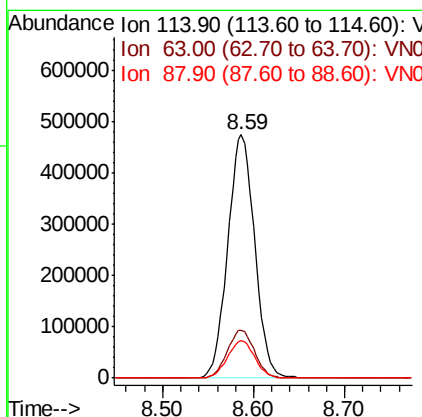
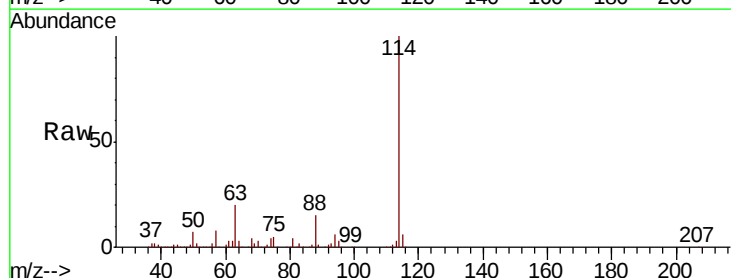
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

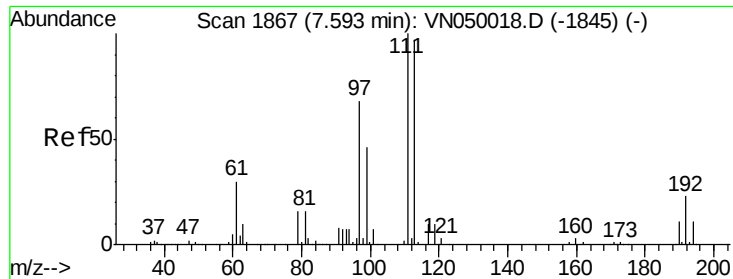
Tot Ion: 65 Resp: 451086
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

Tgt Ion: 114 Resp: 975221
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.47 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

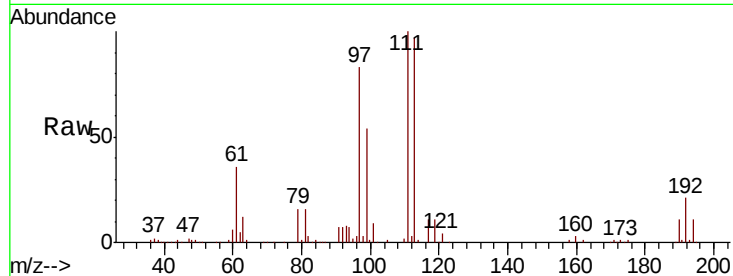
Tot Ion:113 Resp: 401867

Ion Ratio Lower Upper

113 100

111 103.7 80.7 121.1

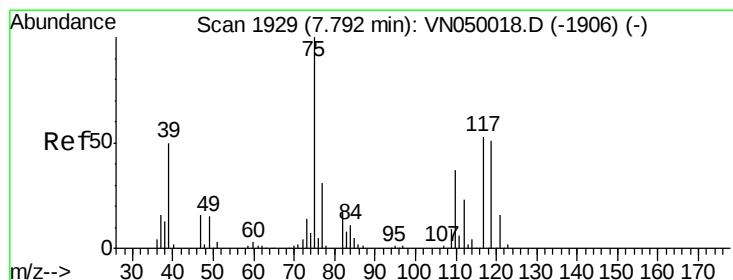
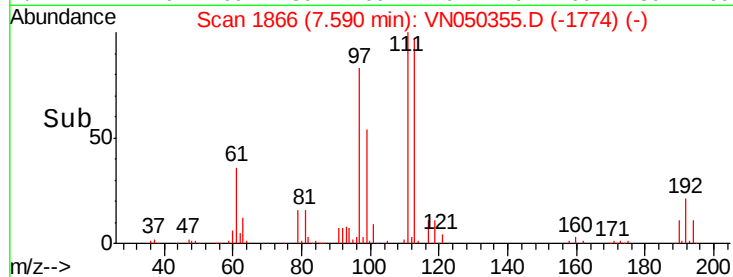
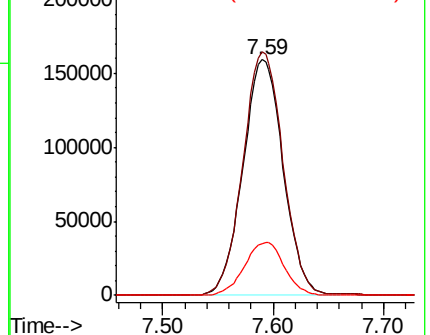
192 22.4 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.60 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

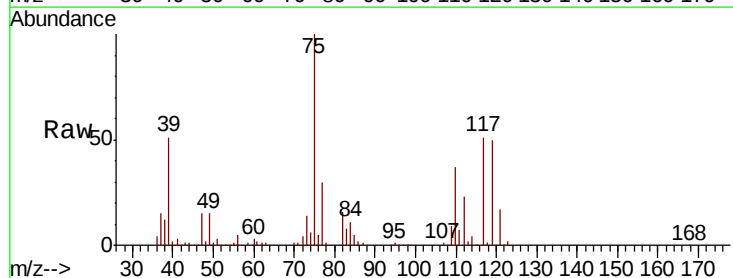
Tgt Ion: 75 Resp: 556003

Ion Ratio Lower Upper

75 100

110 36.5 18.4 55.2

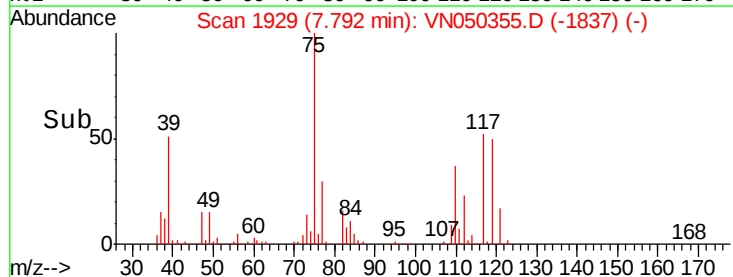
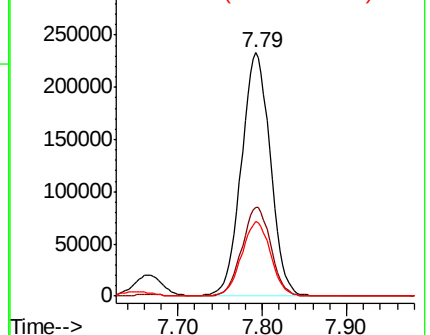
77 31.0 25.3 37.9

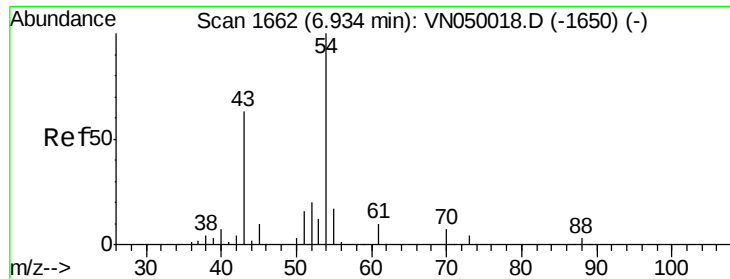


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

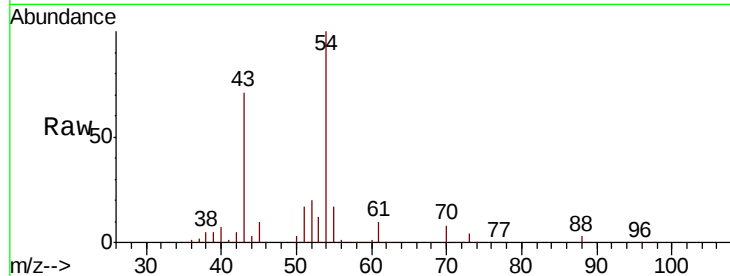




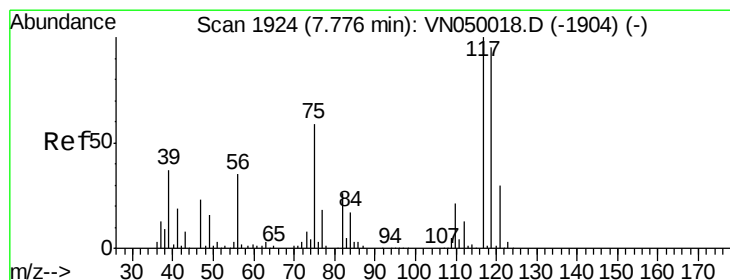
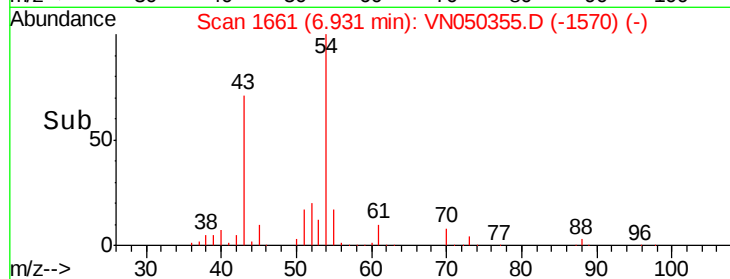
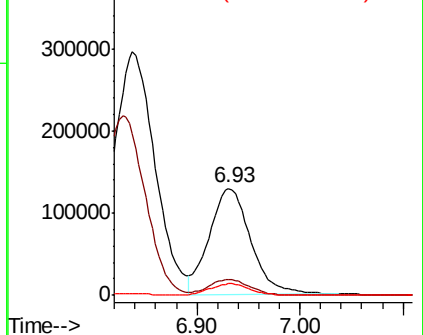
#37
Ethyl Acetate
Concen: 46.94 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 359586
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.8
70 10.4 8.4 12.6

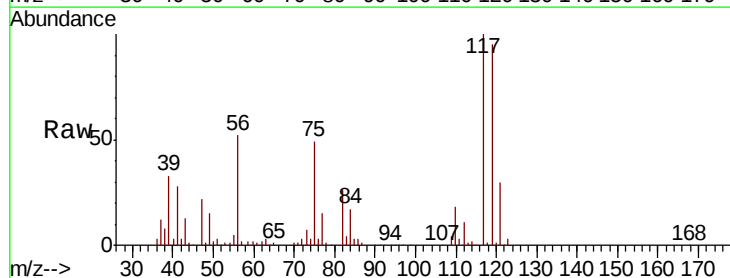


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

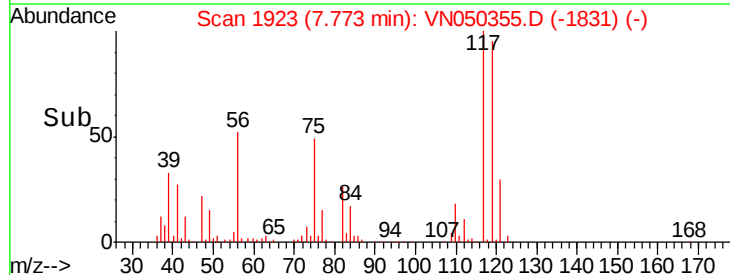
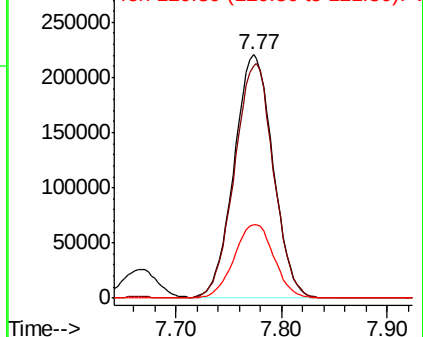


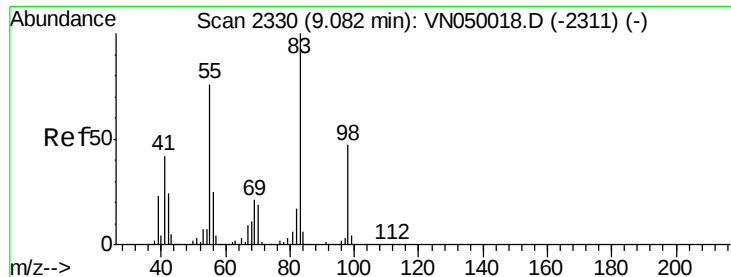
#38
Carbon Tetrachloride
Concen: 48.55 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion: 117 Resp: 566018
Ion Ratio Lower Upper
117 100
119 95.4 77.4 116.0
121 30.3 23.9 35.9



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

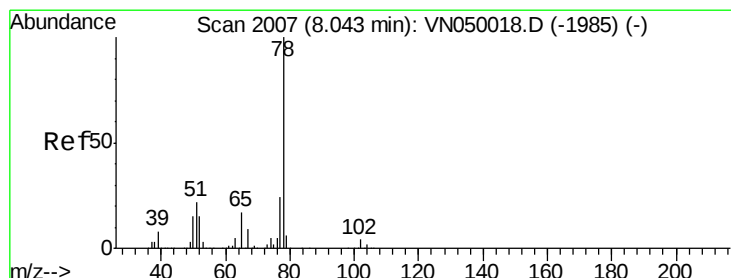
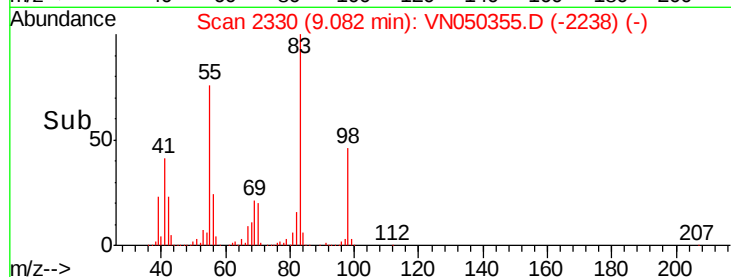
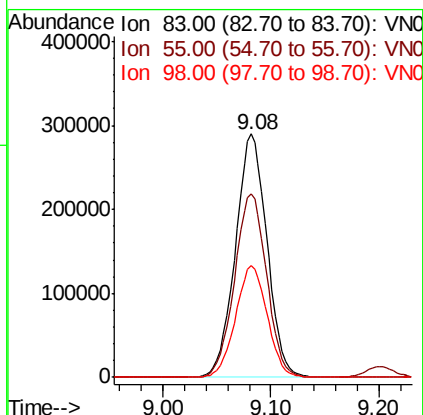
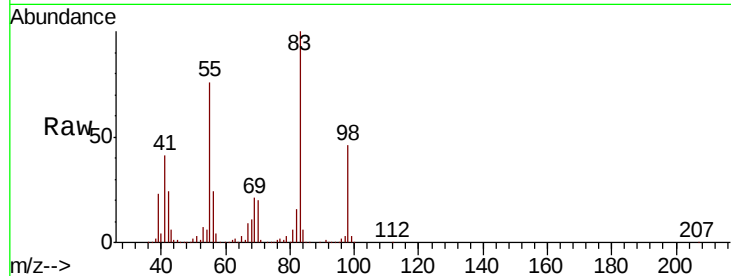




#39
Methvlcvclohexane
Concen: 52.15 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

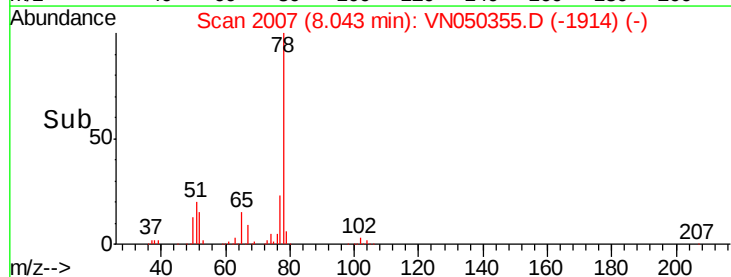
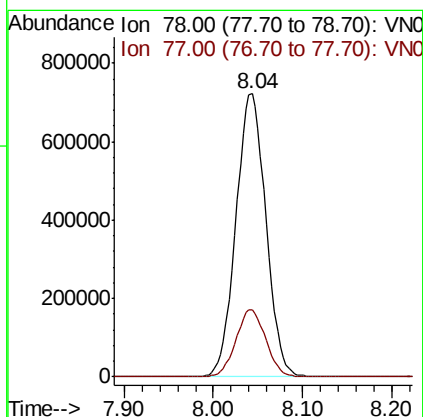
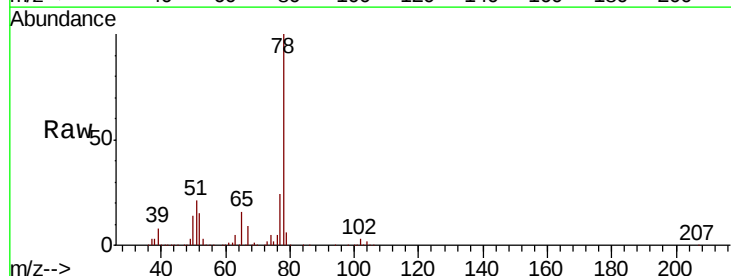
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

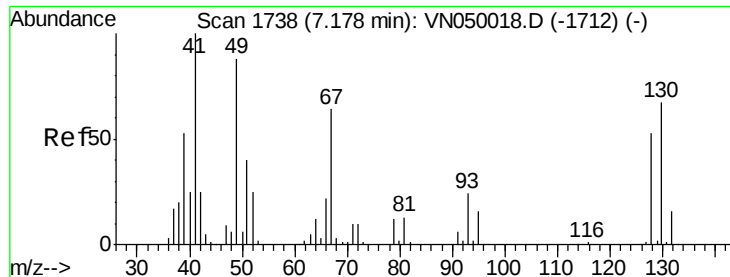
Tot Ion	83	Resp	589407
Ion	Ratio	Lower	Upper
83	100		
55	75.5	61.8	92.8
98	45.7	36.5	54.7



#40
Benzene
Concen: 50.47 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion	78	Resp	1687444
Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1

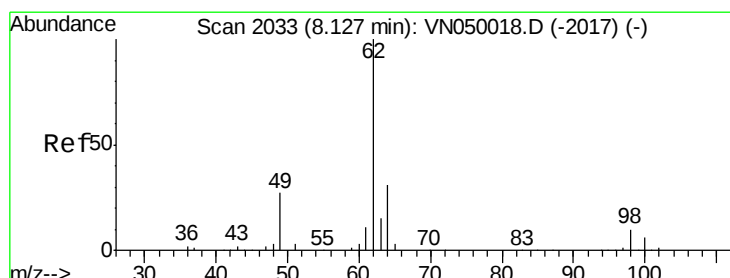
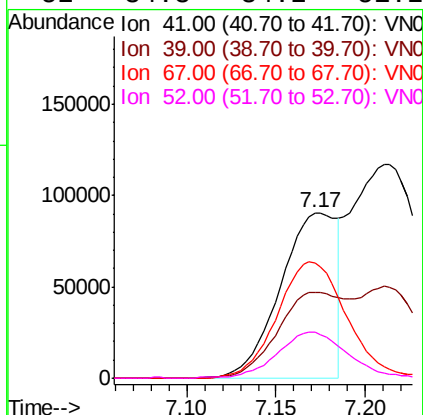
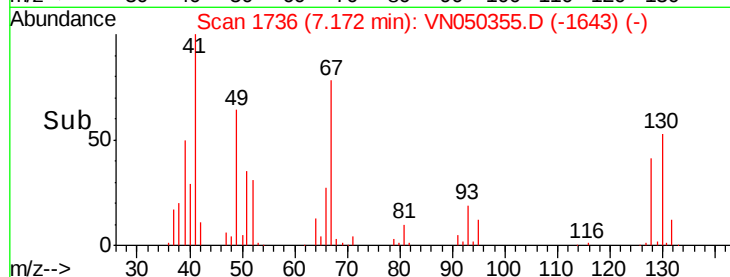
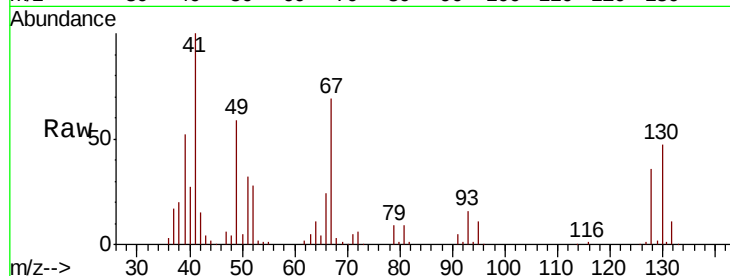




#41
Methacrylonitrile
Concen: 49.82 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

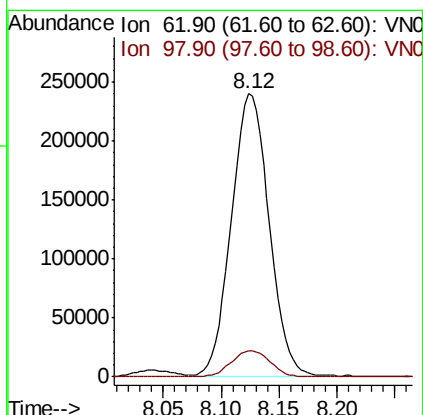
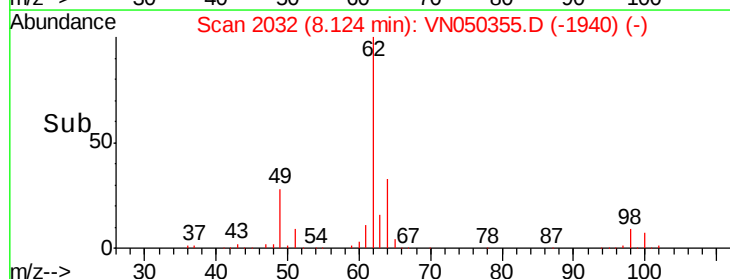
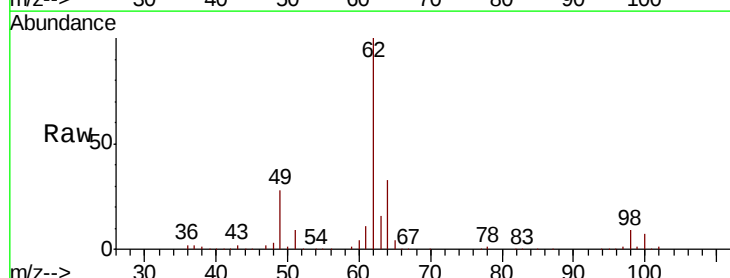
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

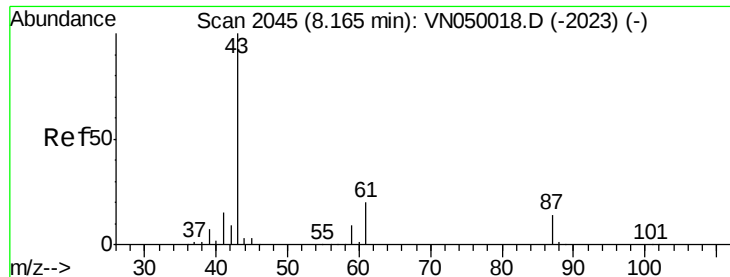
Tot Ion: 41 Resp: 198742
Ion Ratio Lower Upper
41 100
39 66.5 55.8 83.6
67 86.8 84.3 126.5
52 34.3 34.2 51.2



#42
1,2-Dichloroethane
Concen: 48.50 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion: 62 Resp: 540996
Ion Ratio Lower Upper
62 100
98 9.6 0.0 18.8



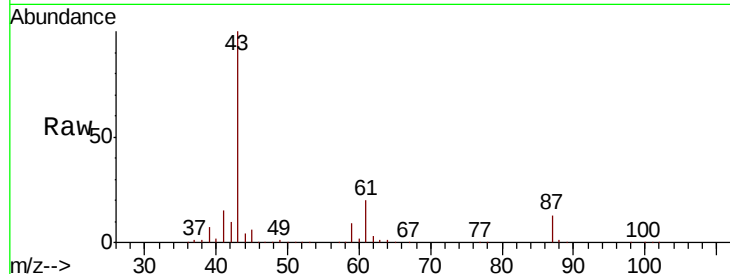


#43

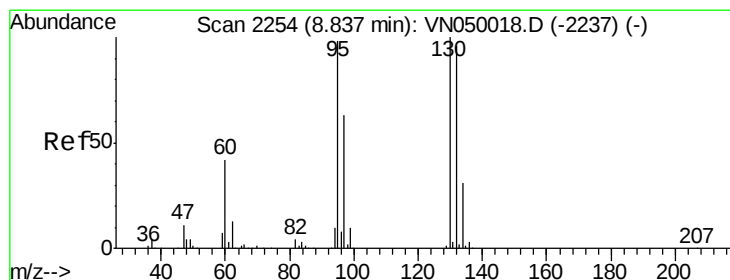
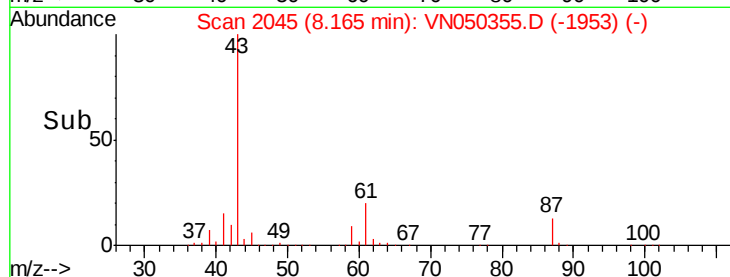
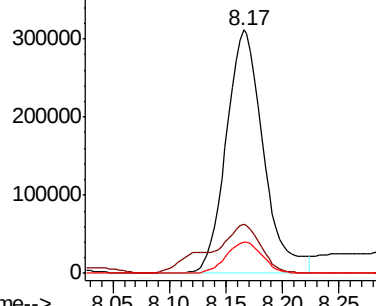
Isopropyl Acetate
 Concen: 49.10 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.8	23.6
87	12.6	10.3	15.5



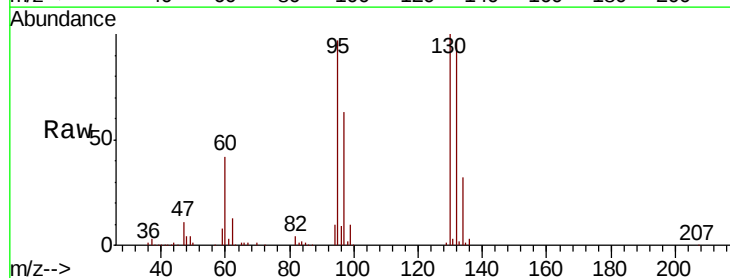
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



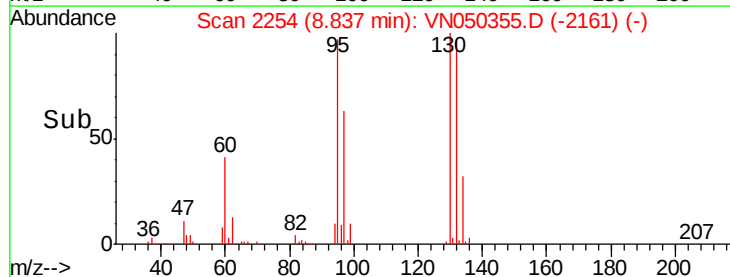
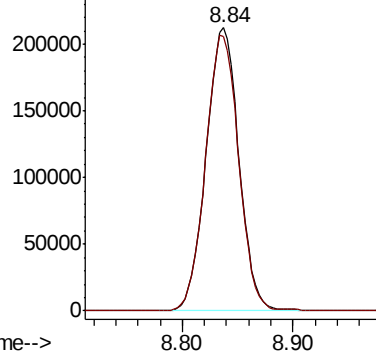
#44

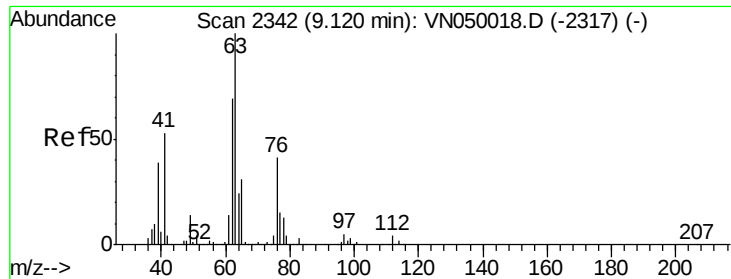
Trichloroethene
 Concen: 48.62 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	194.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0

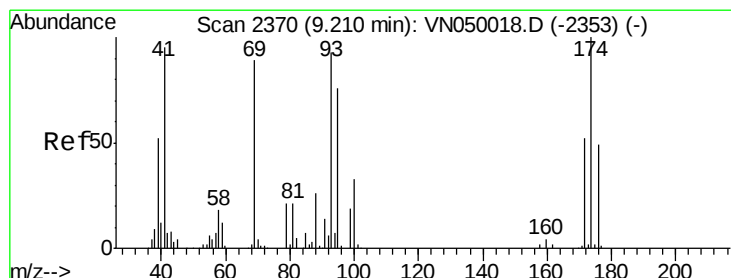
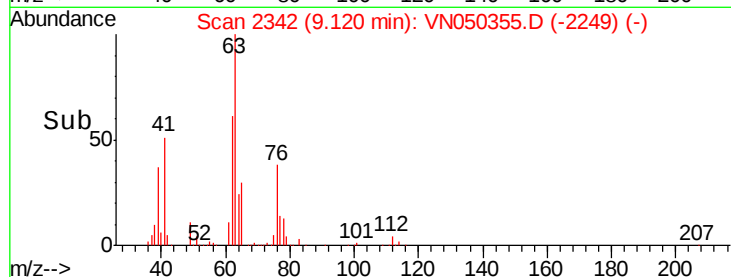
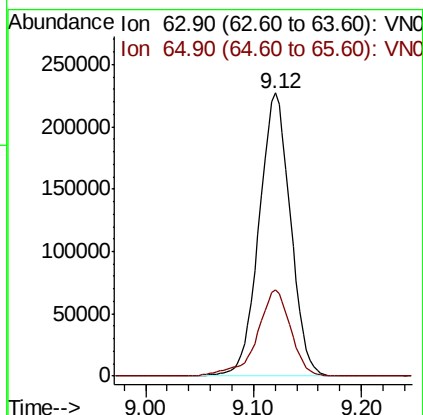
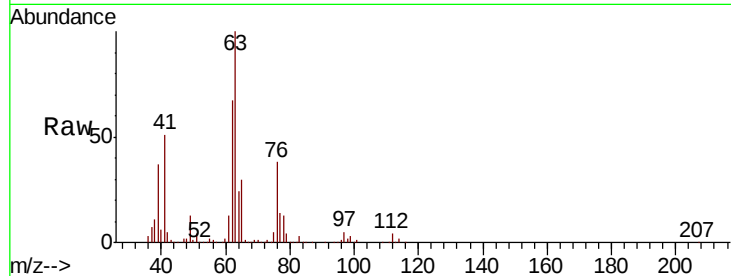




#45
 1,2-Dichloropropane
 Concen: 51.81 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

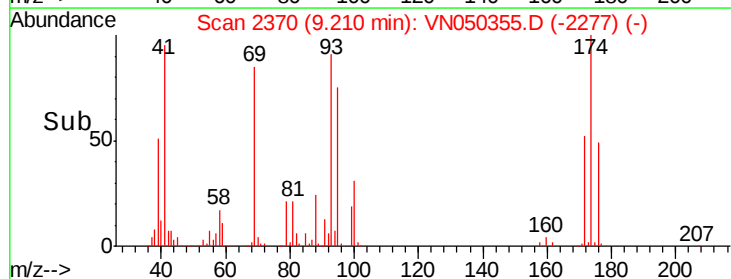
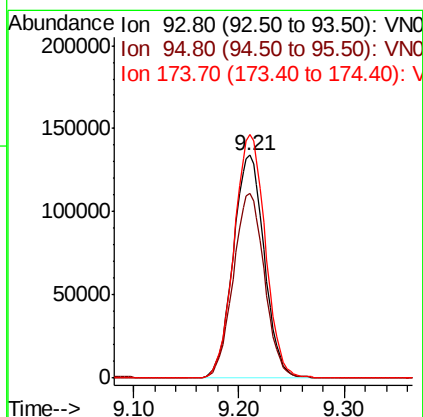
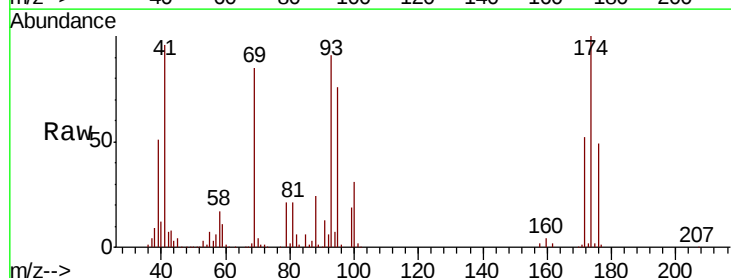
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

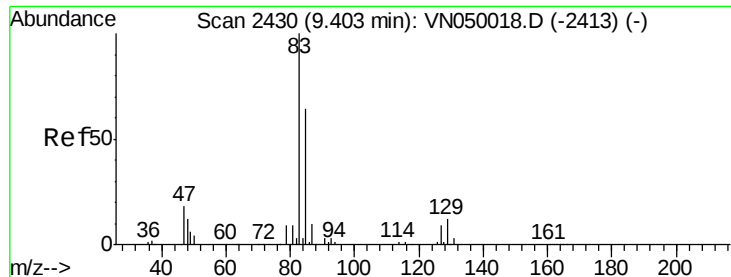
Tot Ion: 63 Resp: 458824
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.5 38.3



#46
 Dibromomethane
 Concen: 49.89 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

Tgt Ion: 93 Resp: 274339
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.6 100.0
 174 109.9 87.1 130.7





#47

Bromodichloromethane

Concen: 51.01 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

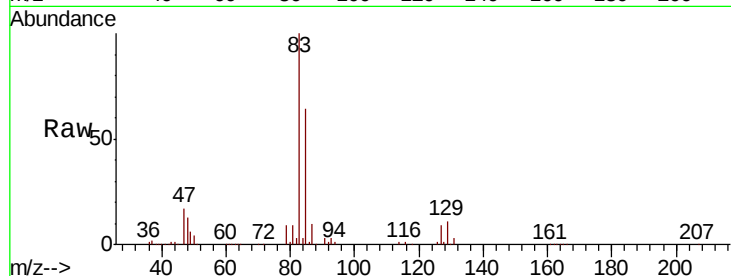
Tot Ion: 83 Resp: 591983

Ion Ratio Lower Upper

83 100

85 63.6 51.1 76.7

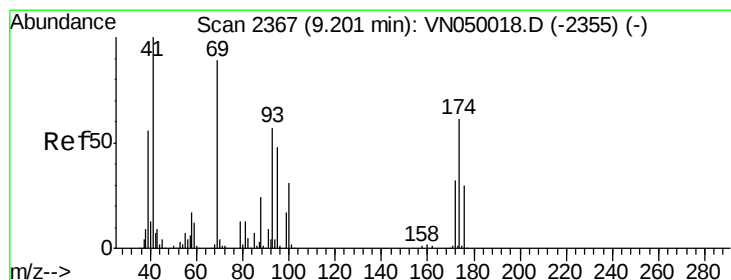
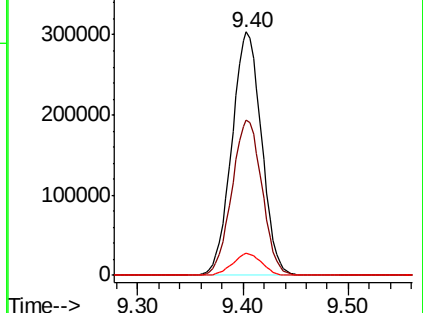
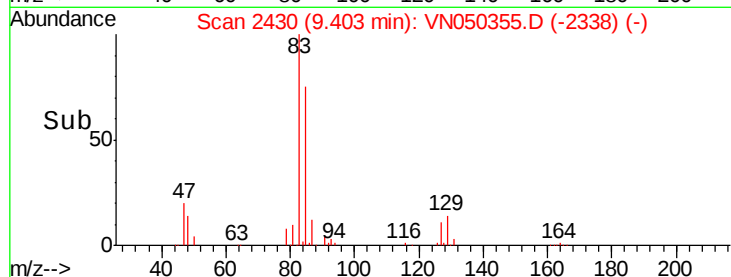
127 8.9 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN050355.D (-2338) (-)

Ion 84.90 (84.60 to 85.60): VN050355.D (-2338) (-)

Ion 126.80 (126.50 to 127.50): VN050355.D (-2338) (-)



#48

Methyl methacrylate

Concen: 53.37 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

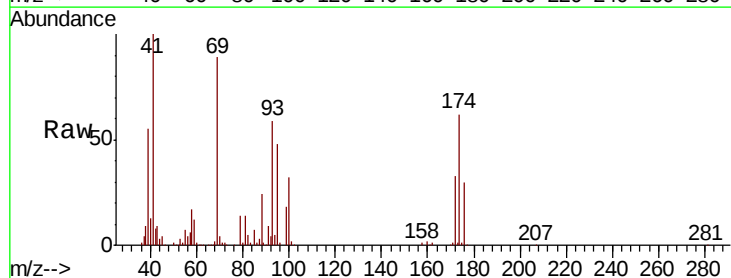
Tgt Ion: 41 Resp: 352101

Ion Ratio Lower Upper

41 100

69 88.4 70.6 105.8

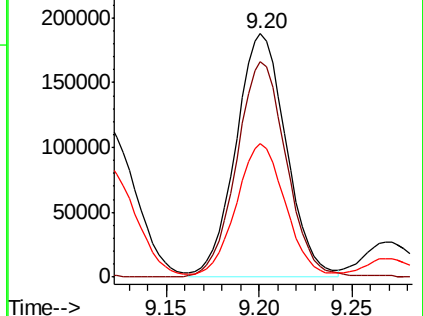
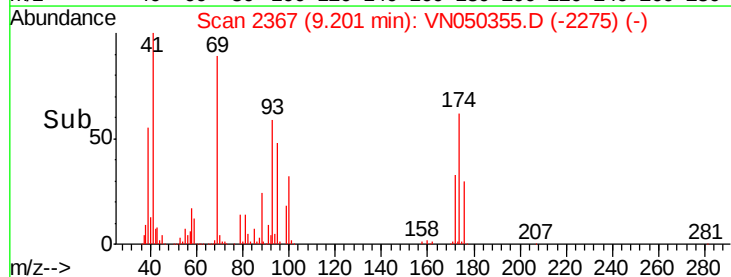
39 53.7 43.9 65.9

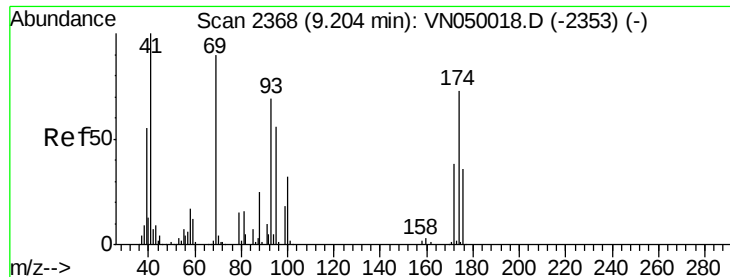


Abundance Ion 41.00 (40.70 to 41.70): VN050355.D (-2275) (-)

Ion 69.00 (68.70 to 69.70): VN050355.D (-2275) (-)

Ion 39.00 (38.70 to 39.70): VN050355.D (-2275) (-)





#49

1,4-Dioxane

Concen: 1049.52 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

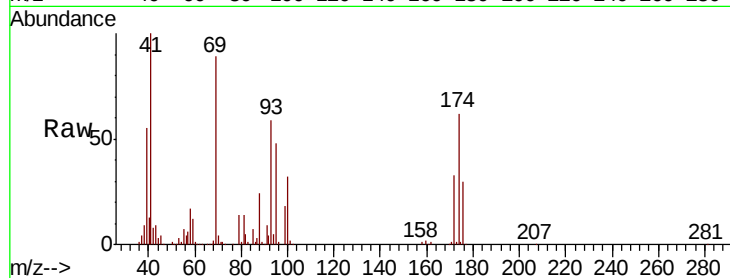
Tot Ion: 88 Resp: 94228

Ion Ratio Lower Upper

88 100

43 31.6 26.9 40.3

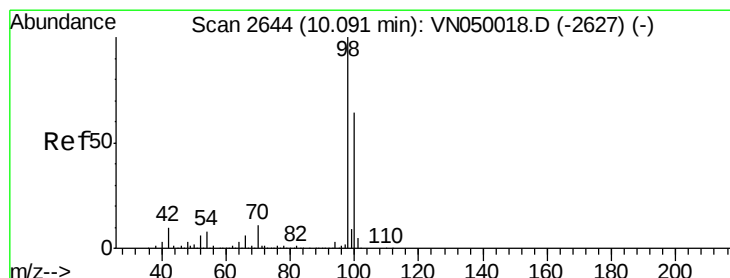
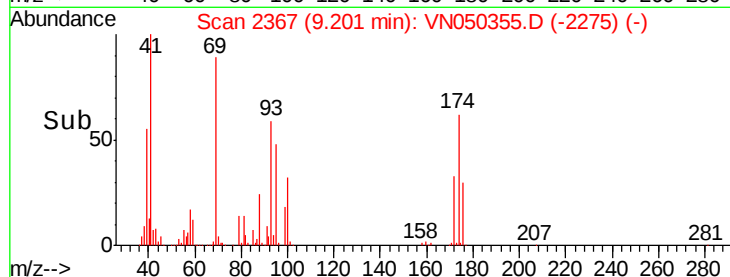
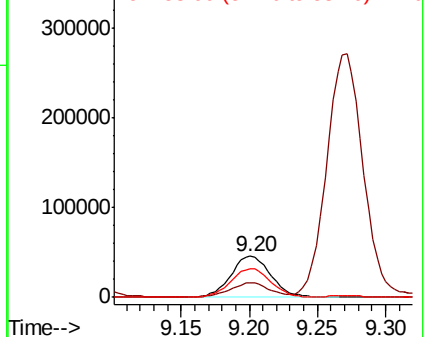
58 70.4 57.3 85.9



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: 52.36 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050355.D

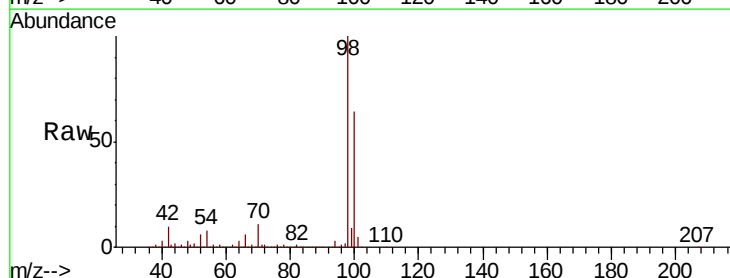
Acq: 4 Aug 2018 10:01

Tgt Ion: 98 Resp: 1532805

Ion Ratio Lower Upper

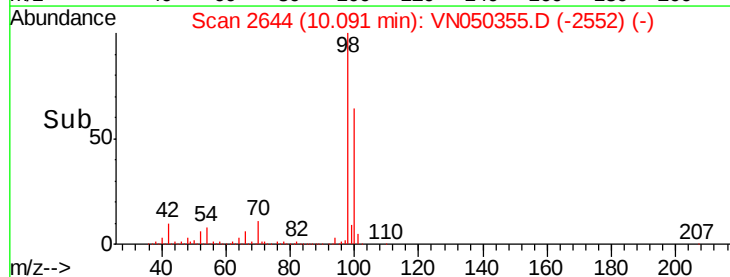
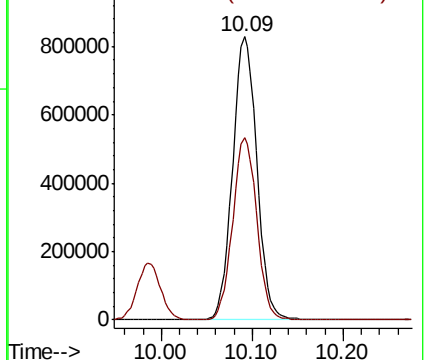
98 100

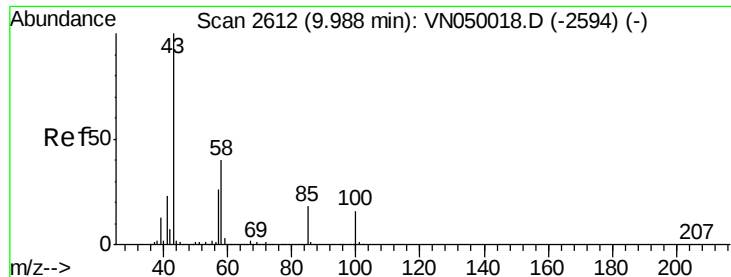
100 64.3 50.7 76.1



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: 260.42 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

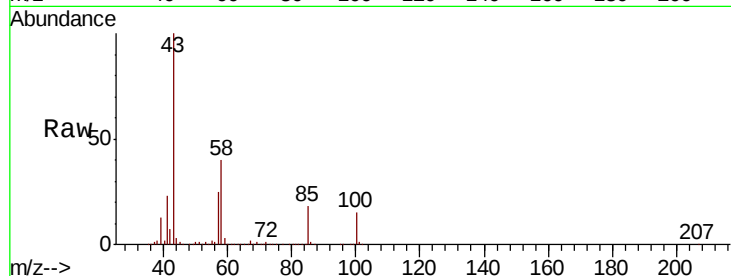
VSTDCCC050

Tot Ion: 43 Resp: 1961083

Ion Ratio Lower Upper

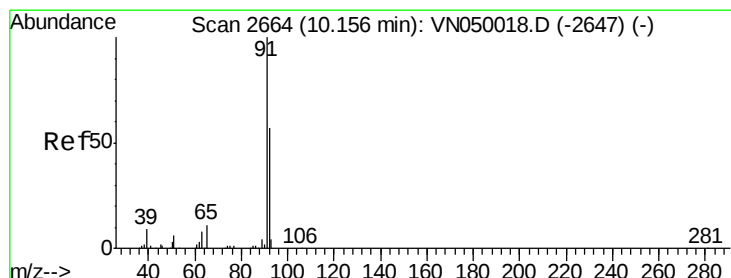
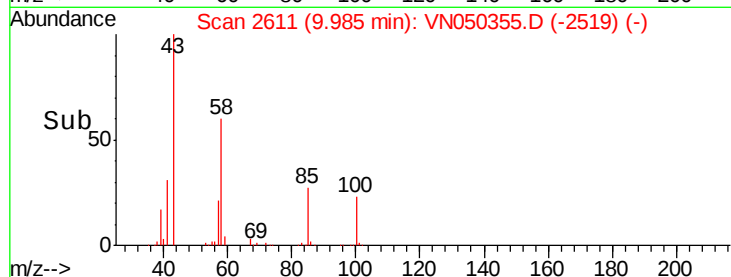
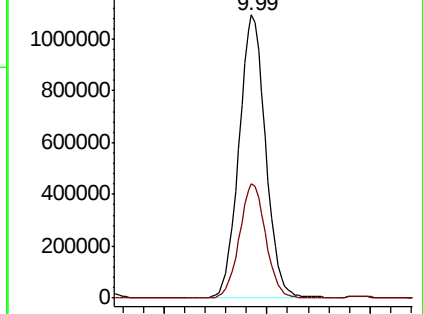
43 100

58 40.0 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2594) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-2594) (-)



#52

Toluene

Concen: 53.14 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050355.D

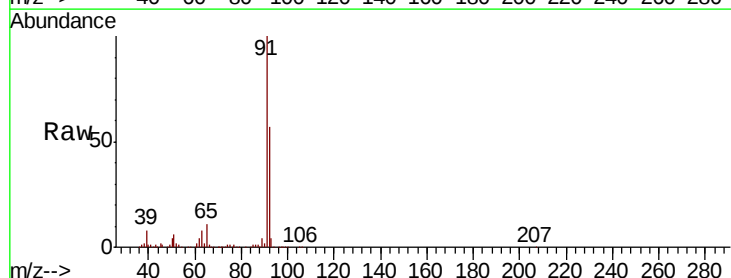
Acq: 4 Aug 2018 10:01

Tgt Ion: 92 Resp: 1048829

Ion Ratio Lower Upper

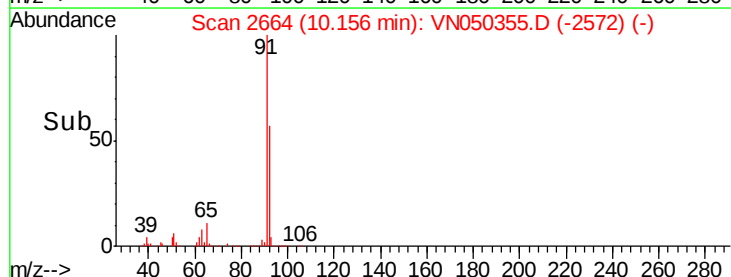
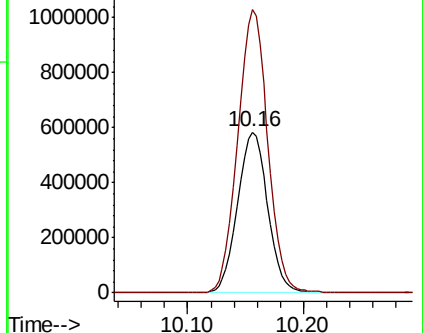
92 100

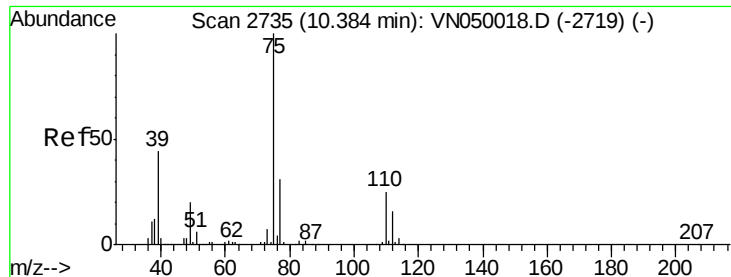
91 176.2 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN050018.D (-2647) (-)

Ion 91.00 (90.70 to 91.70): VN050018.D (-2647) (-)





#53

t-1,3-Dichloropropene

Concen: 55.31 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

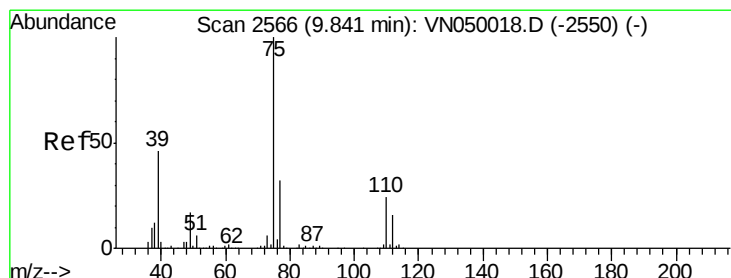
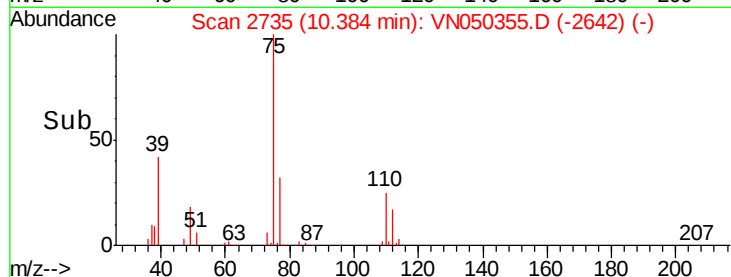
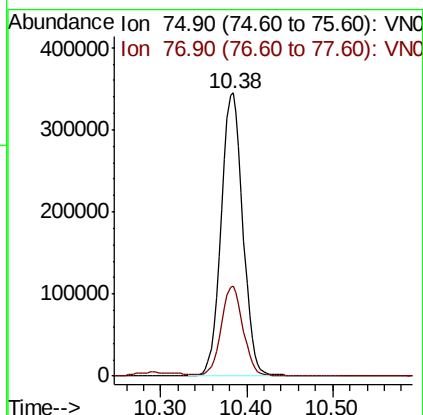
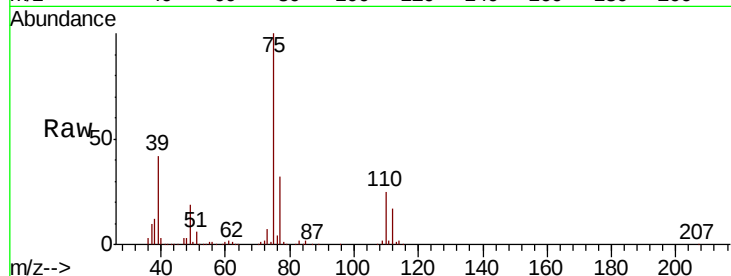
VSTDCCC050

Tot Ion: 75 Resp: 605730

Ion Ratio Lower Upper

75 100

77 31.8 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 54.37 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

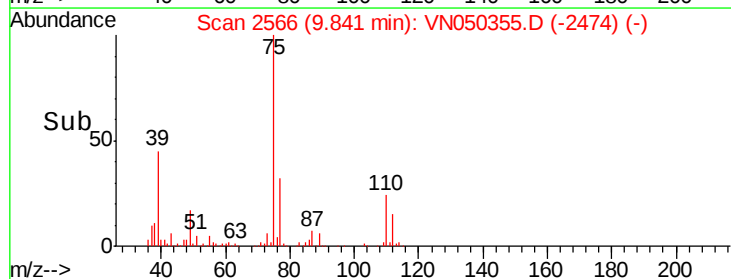
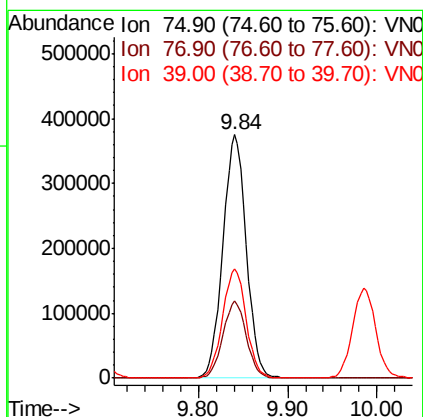
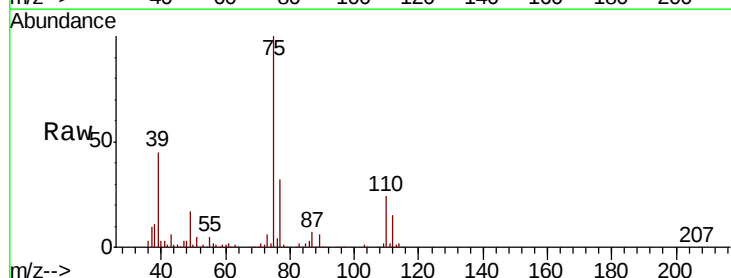
Tgt Ion: 75 Resp: 680462

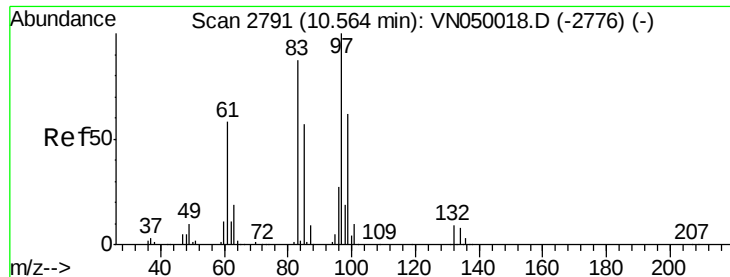
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 44.9 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 51.90 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 406301

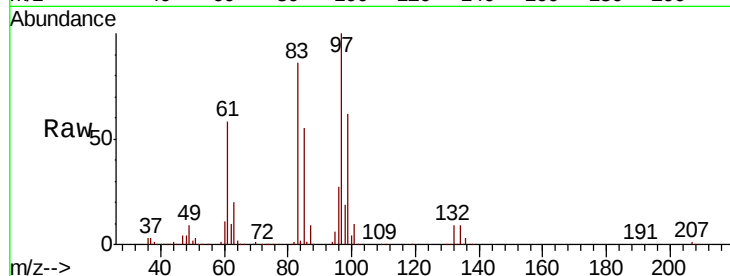
Ion Ratio Lower Upper

97 100

83 86.0 69.2 103.8

85 54.9 44.0 66.0

99 62.4 49.9 74.9

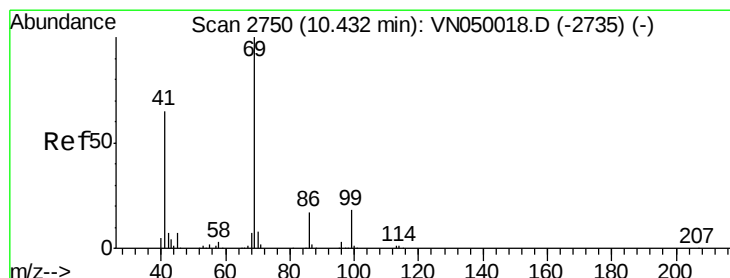
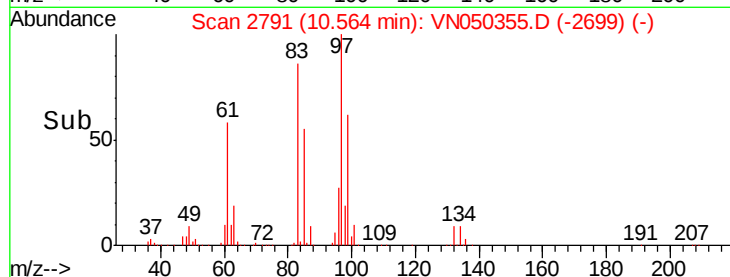
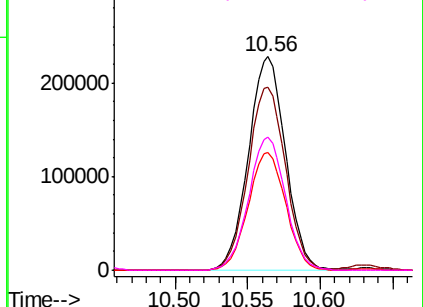


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 49.51 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

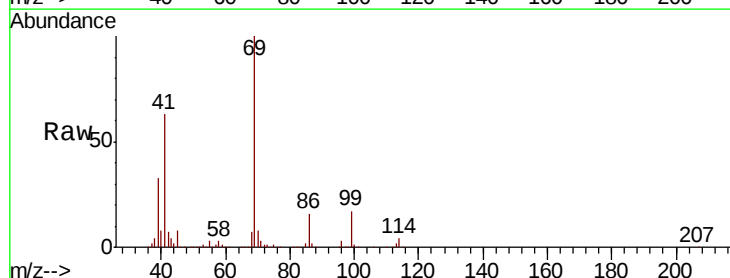
Tgt Ion: 69 Resp: 524754

Ion Ratio Lower Upper

69 100

41 62.7 51.0 76.4

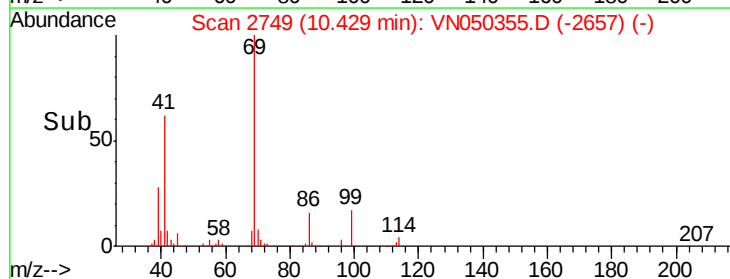
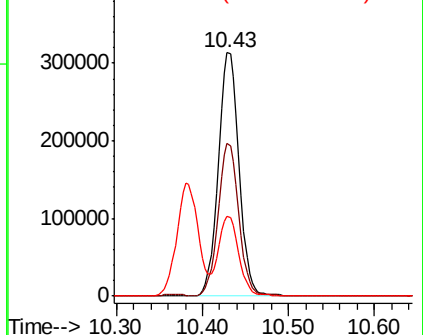
39 33.0 26.6 40.0

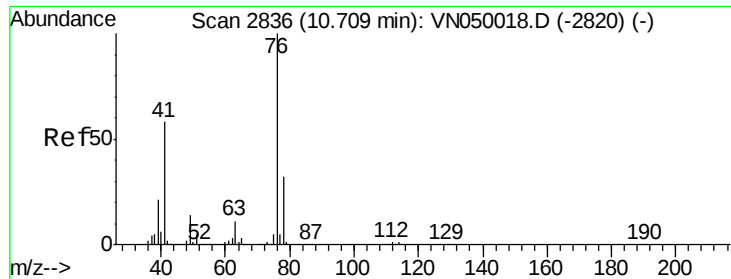


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

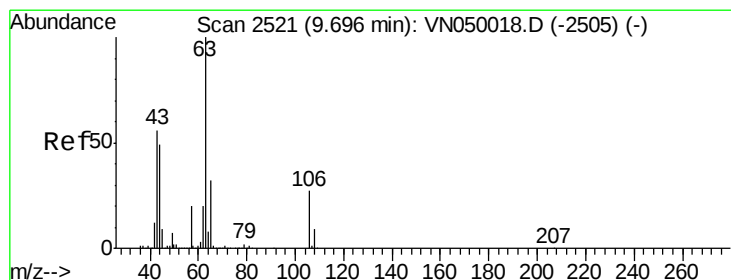
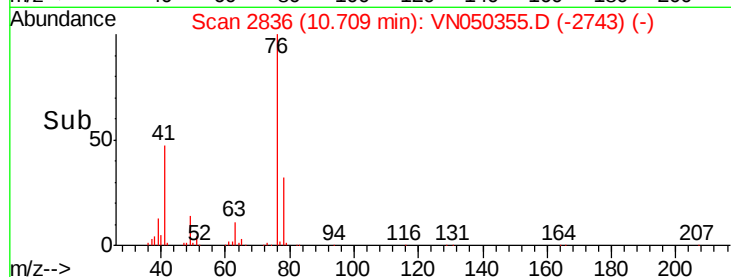
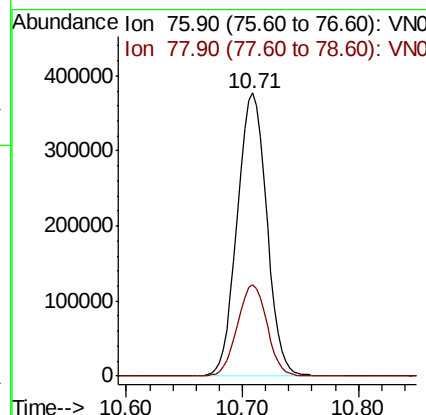
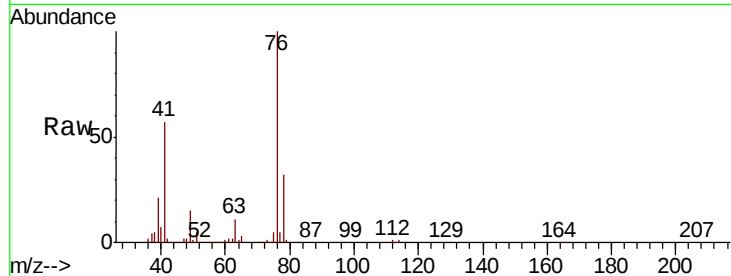




#57
 1,3-Dichloropropane
 Concen: 52.26 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

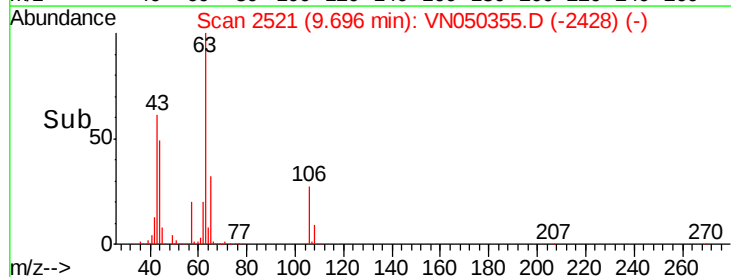
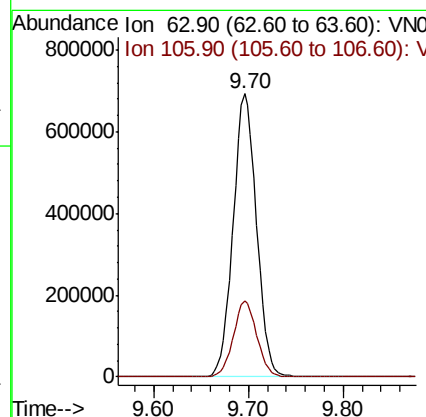
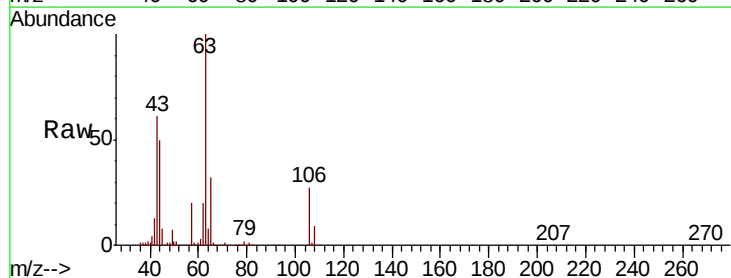
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

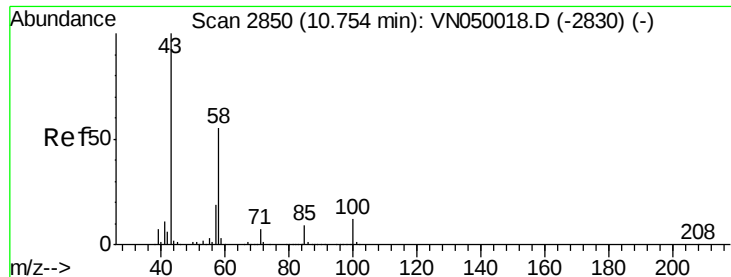
Tot Ion: 76 Resp: 666217
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.78 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

Tgt Ion: 63 Resp: 1191259
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.7 32.5

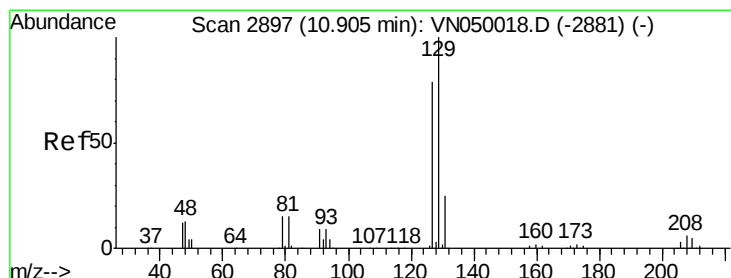
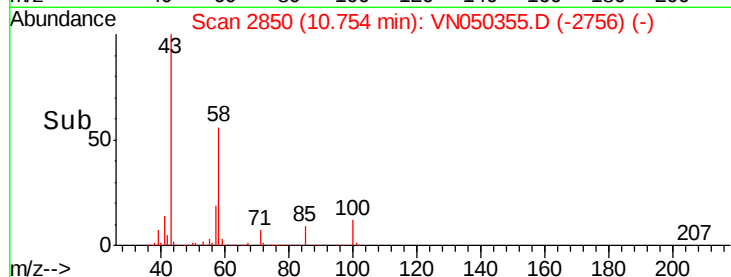
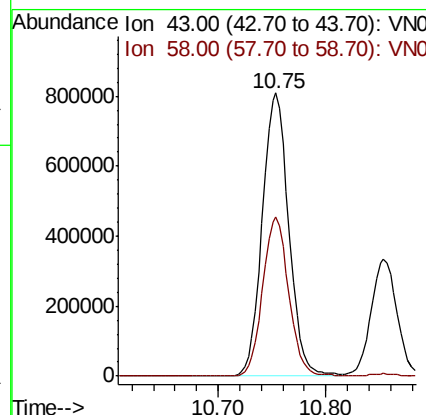
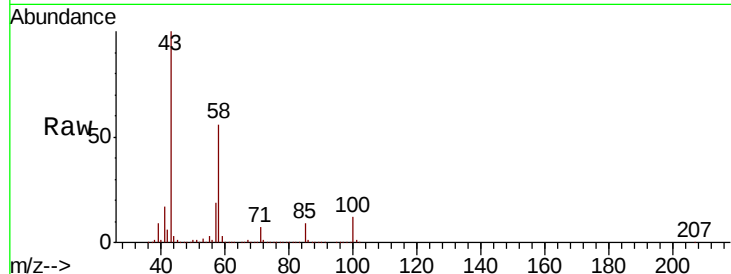




#59
2-Hexanone
Concen: 248.41 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

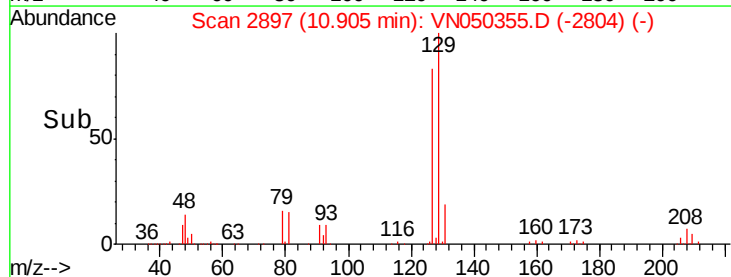
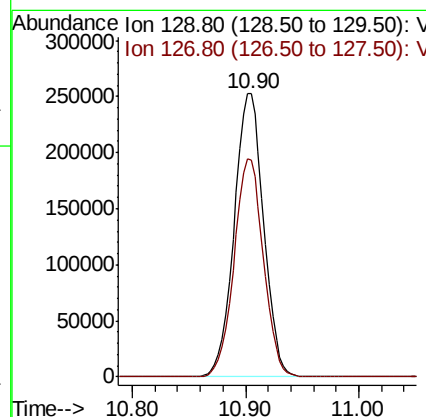
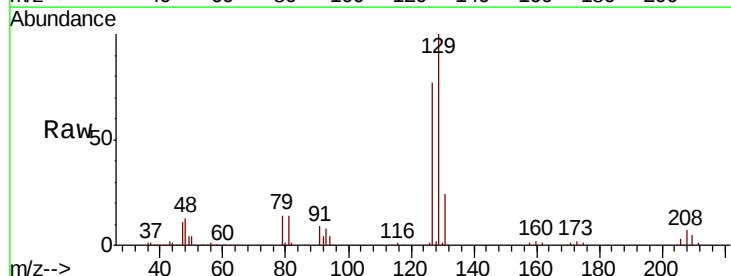
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

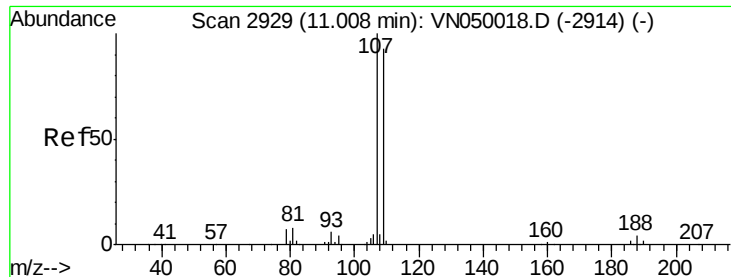
Tot Ion: 43 Resp: 1374391
Ion Ratio Lower Upper
43 100
58 55.4 27.6 82.7



#60
Dibromochloromethane
Concen: 52.67 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion: 129 Resp: 456487
Ion Ratio Lower Upper
129 100
127 76.7 38.0 113.9





#61

1,2-Dibromoethane

Concen: 51.15 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

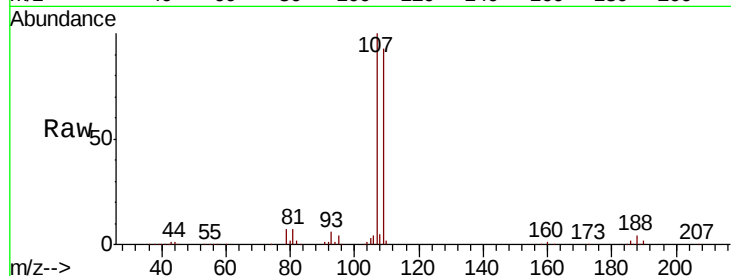
VSTDCCC050

Tot Ion:107 Resp: 397264

Ion Ratio Lower Upper

107 100

109 93.5 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

250000

200000

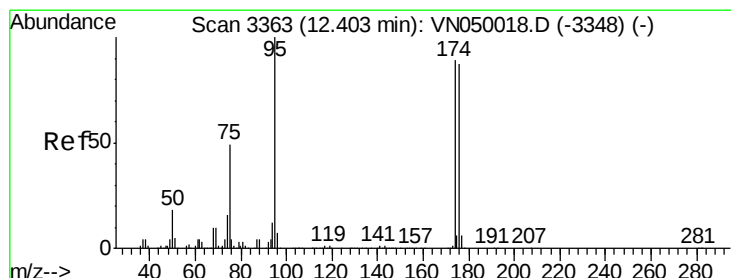
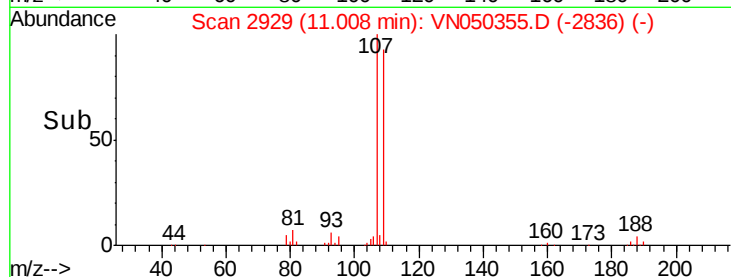
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.88 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

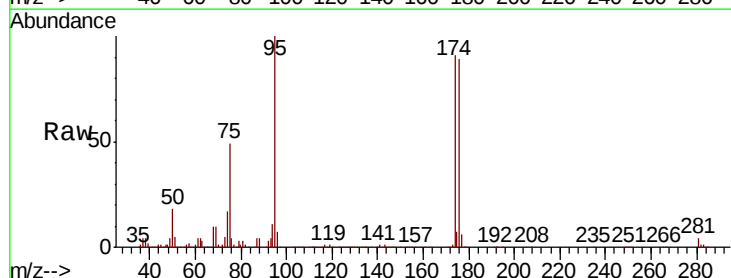
Tgt Ion: 95 Resp: 538579

Ion Ratio Lower Upper

95 100

174 90.3 0.0 178.2

176 87.3 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

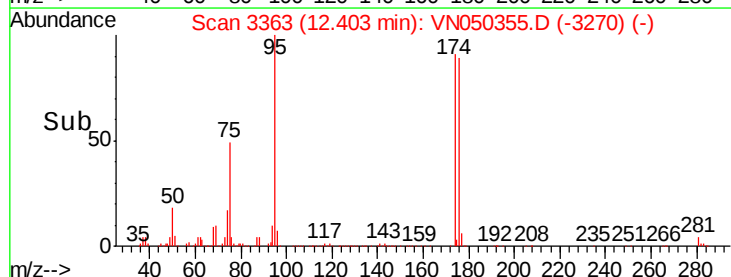
300000

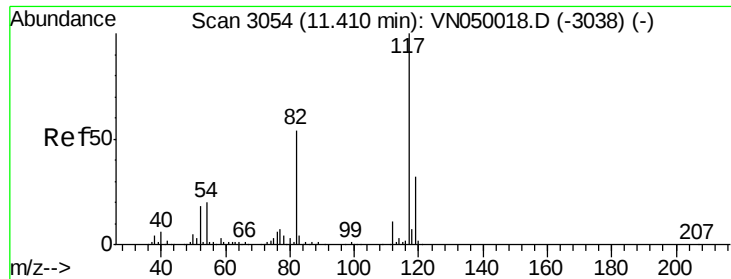
200000

100000

0

Time-->

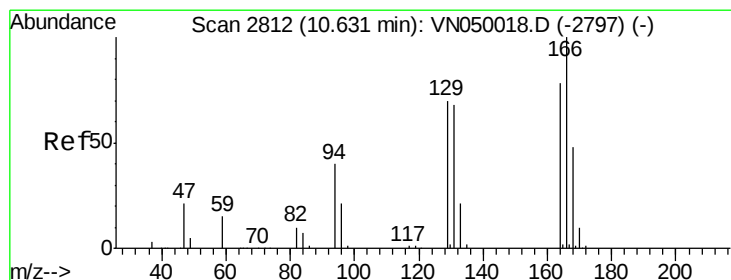
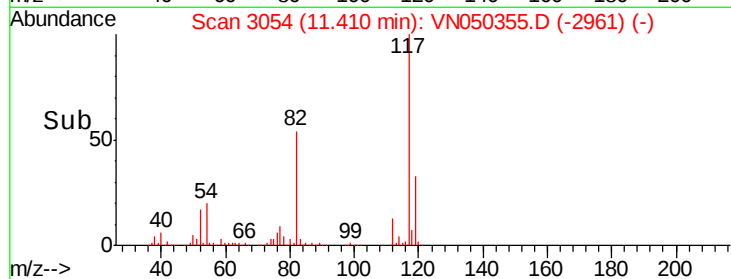
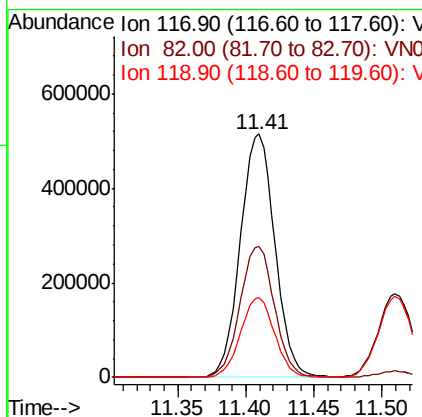
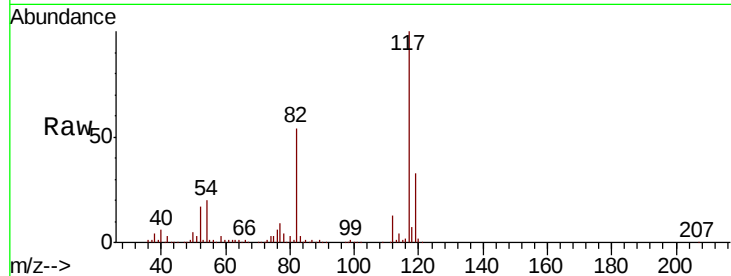




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

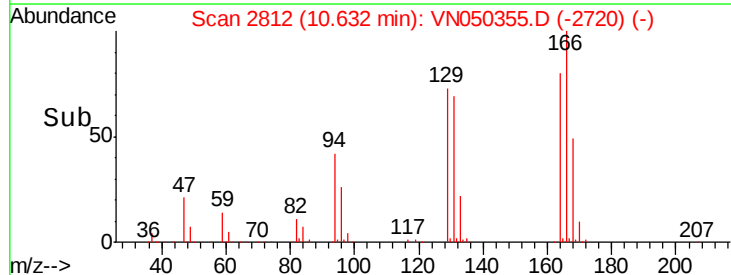
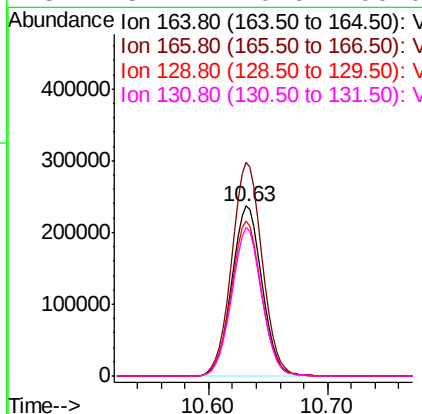
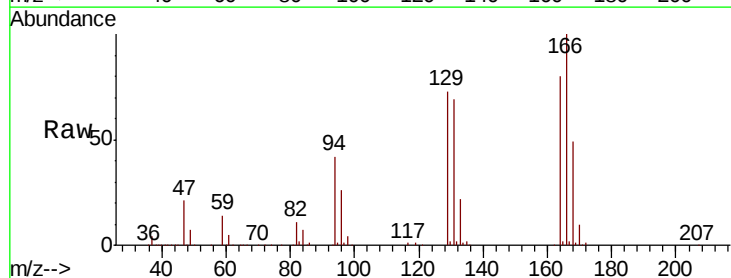
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

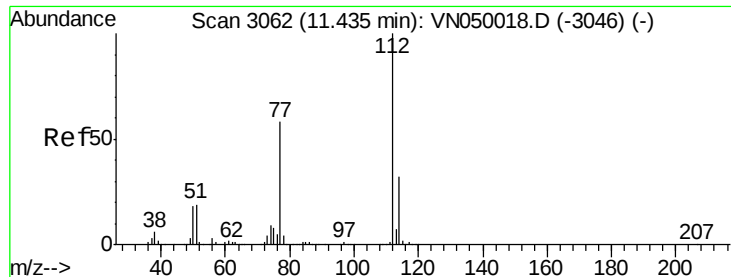
Tot Ion:117 Resp: 906980
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 32.6 26.1 39.1



#64
Tetrachloroethene
Concen: 47.92 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion:164 Resp: 417820
Ion Ratio Lower Upper
164 100
166 125.7 102.1 153.1
129 91.5 73.2 109.8
131 87.2 70.6 106.0

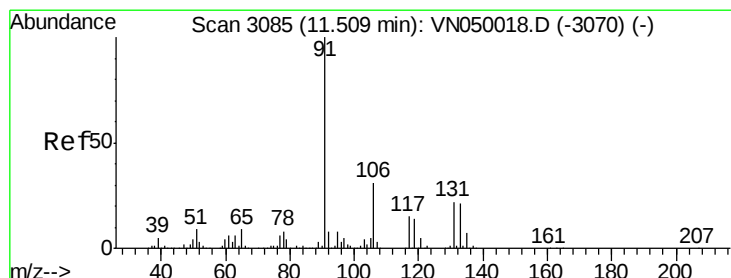
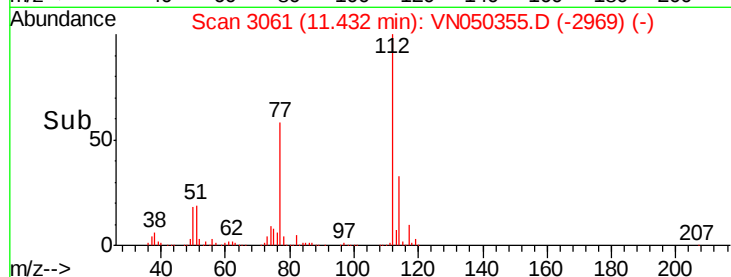
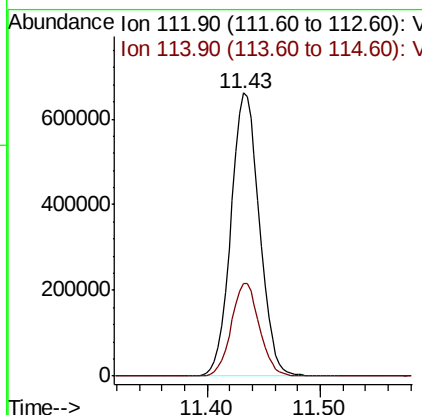
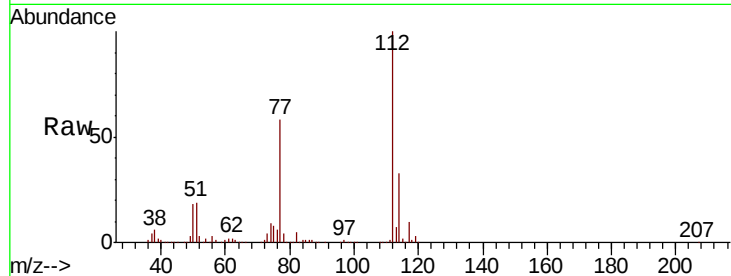




#65
Chlorobenzene
Concen: 50.47 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

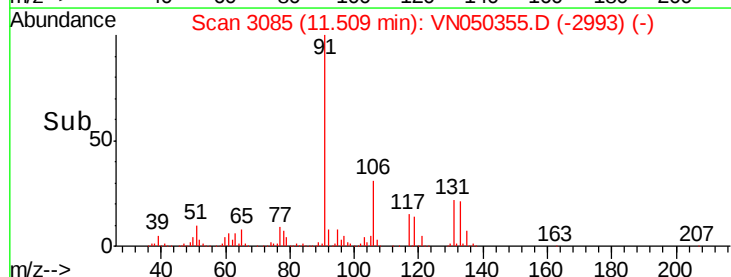
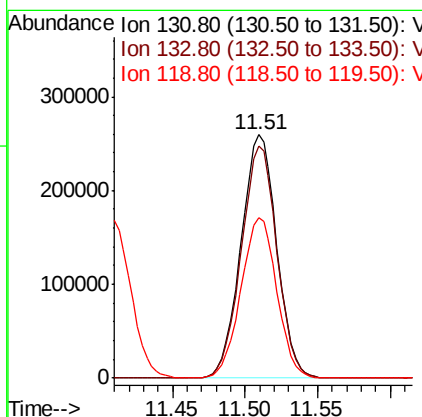
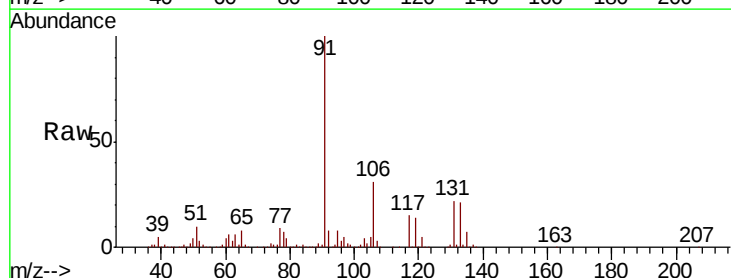
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

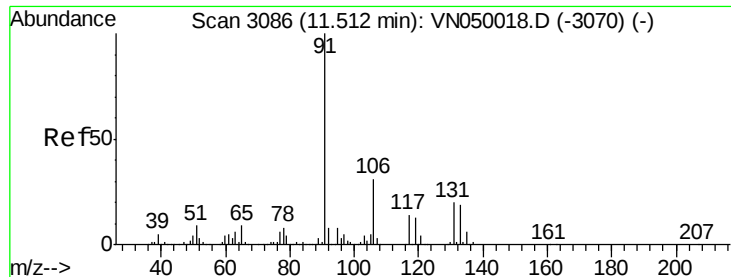
Tot Ion:112 Resp: 1156219
Ion Ratio Lower Upper
112 100
114 32.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.46 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion:131 Resp: 444144
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 66.4 32.9 98.7

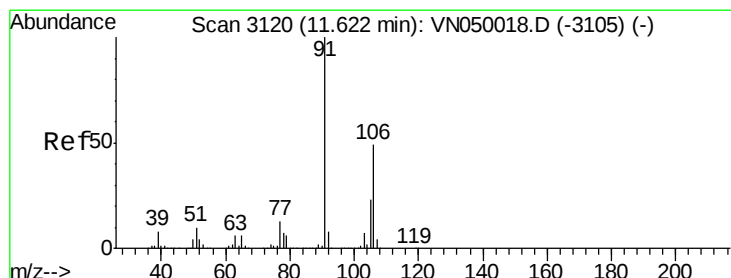
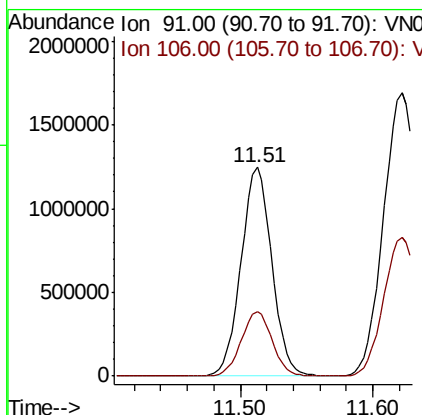
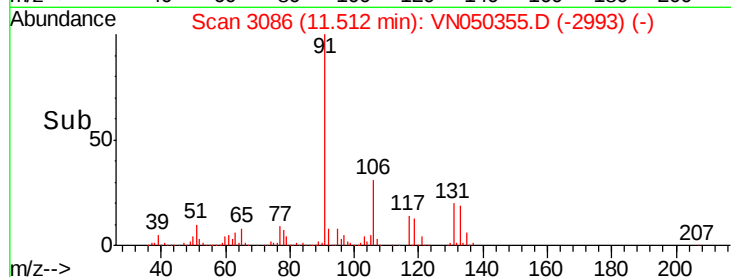
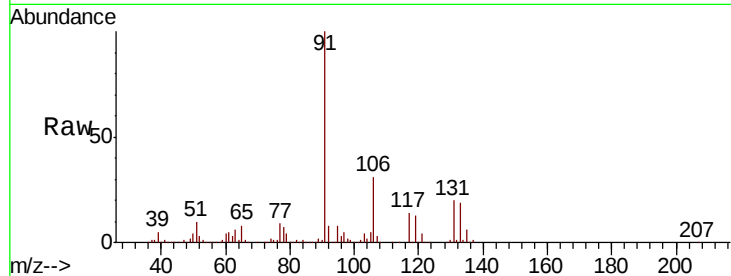




#67
Ethyl Benzene
Concen: 54.66 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

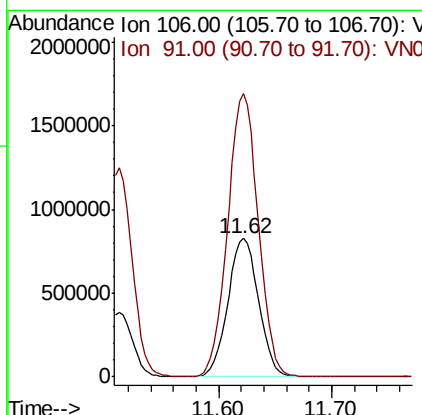
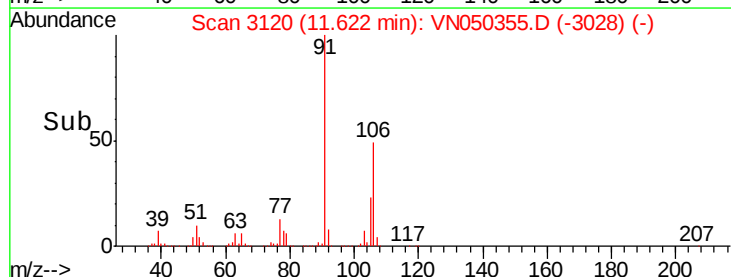
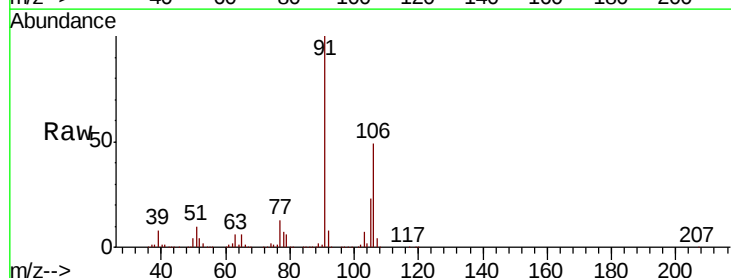
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

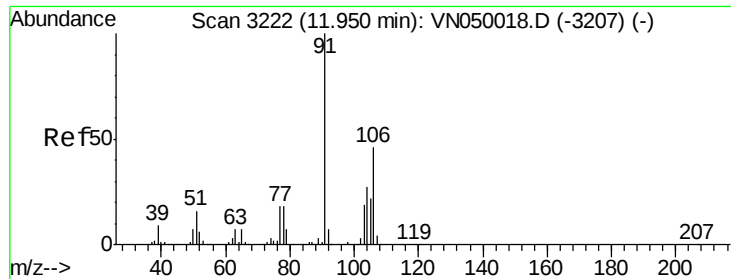
Tot Ion: 91 Resp: 2011482
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4



#68
m/p-Xylenes
Concen: 111.96 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion: 106 Resp: 1558460
Ion Ratio Lower Upper
106 100
91 203.4 162.2 243.2

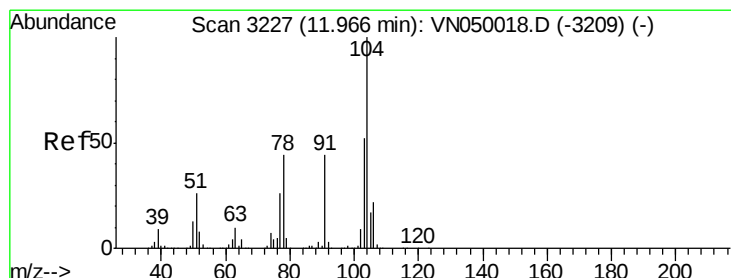
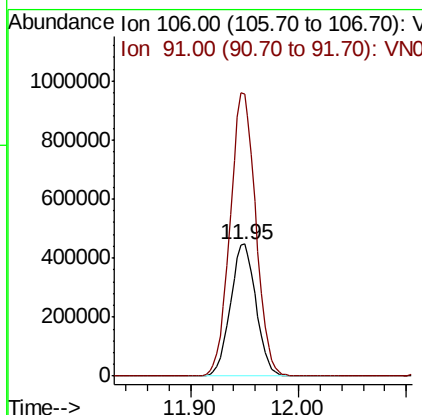
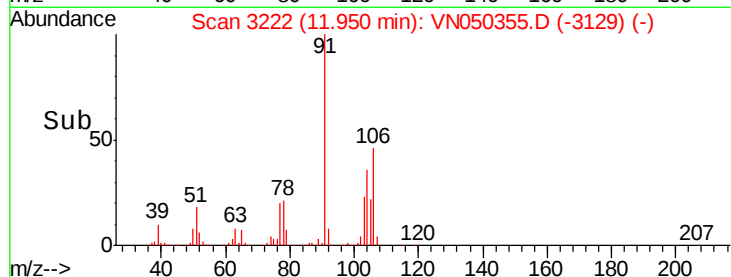
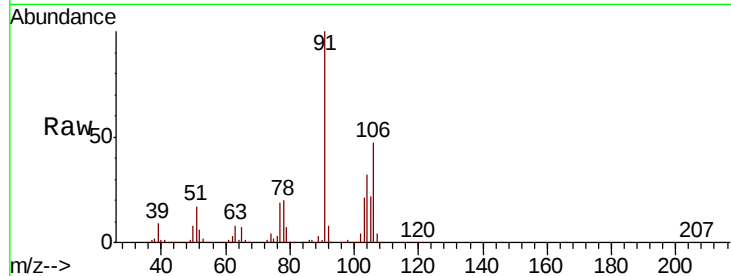




#69
o-Xylene
Concen: 55.79 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

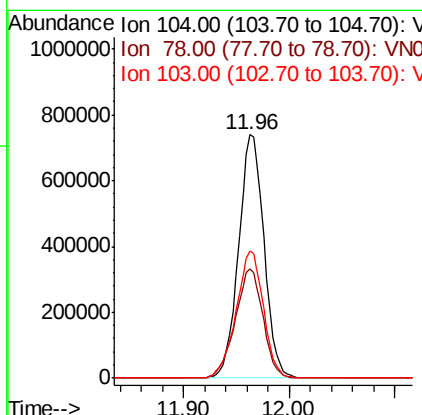
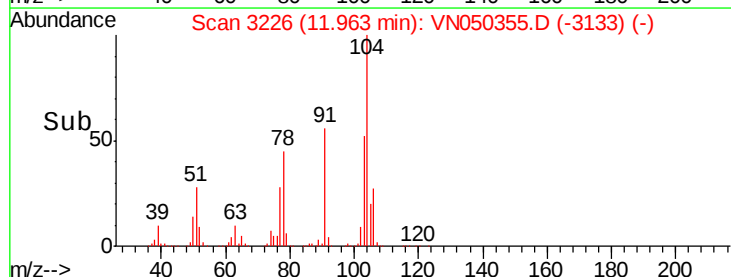
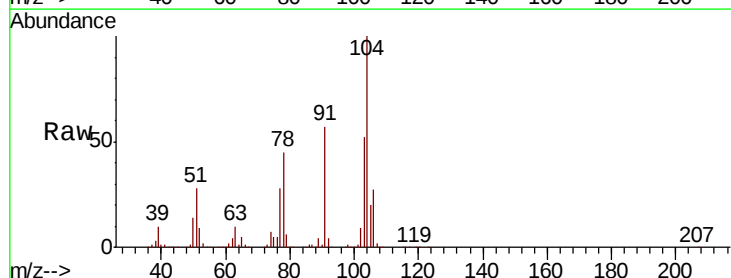
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

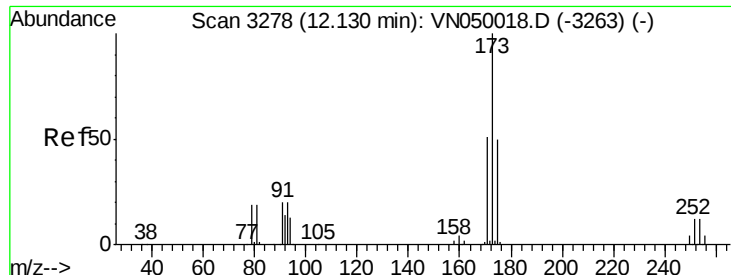
Tot Ion:106 Resp: 740347
Ion Ratio Lower Upper
106 100
91 215.7 107.7 323.1



#70
Styrene
Concen: 52.16 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion:104 Resp: 1231873
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 56.1 45.0 67.6

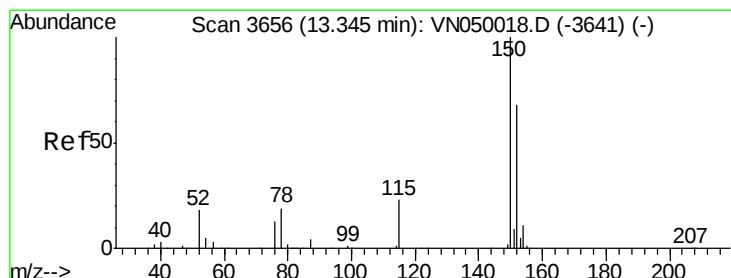
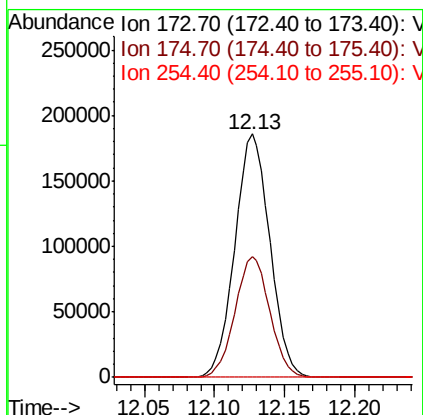
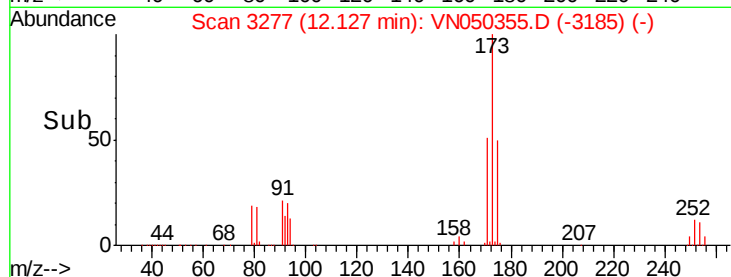
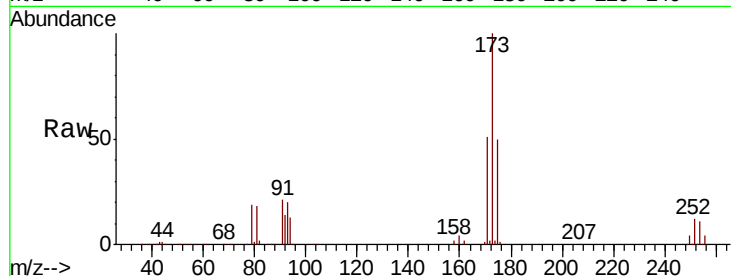




#71
Bromoform
Concen: 50.42 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

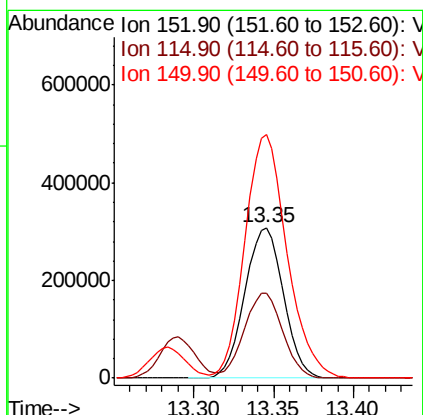
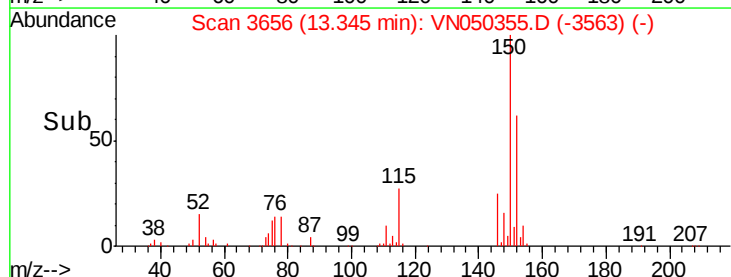
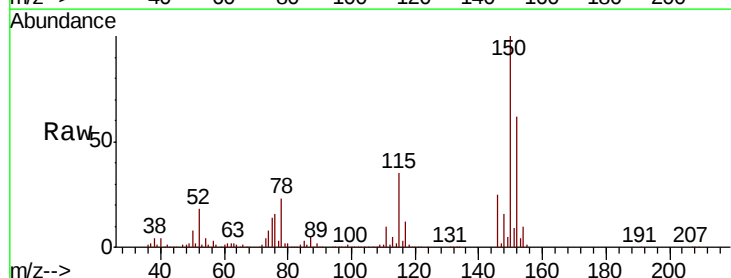
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

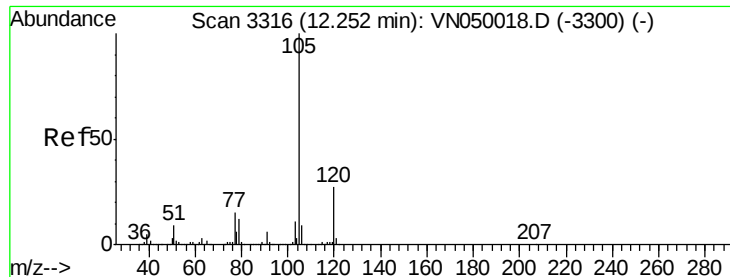
Tot Ion:173 Resp: 322866
Ion Ratio Lower Upper
173 100
175 49.2 24.1 72.2
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion:152 Resp: 506374
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.3
150 176.7 0.0 348.6





#73

Isopropylbenzene

Concen: 51.36 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

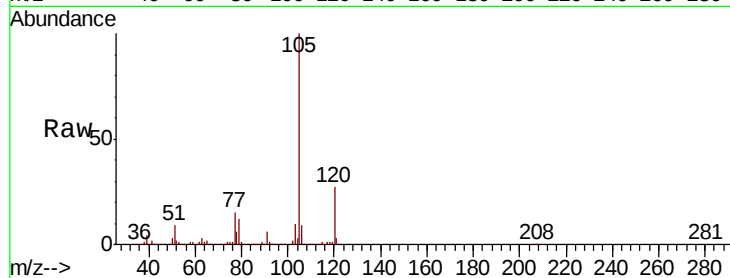
VSTDCCC050

Tot Ion:105 Resp: 2017004

Ion Ratio Lower Upper

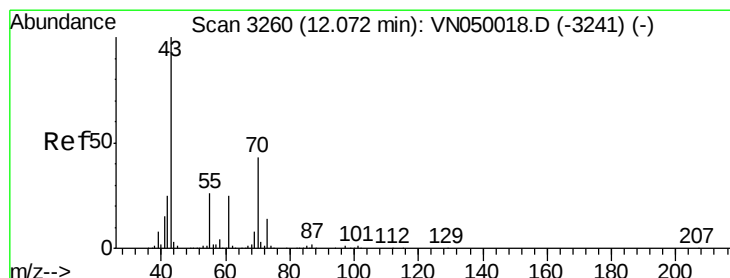
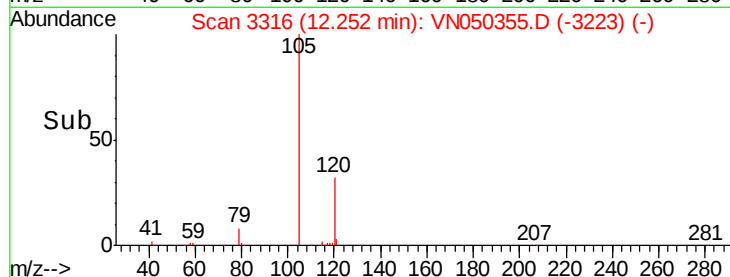
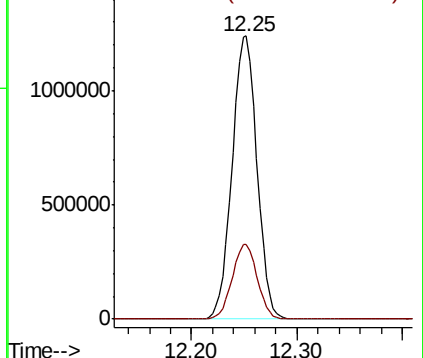
105 100

120 26.6 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: 49.15 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Tgt Ion: 43 Resp: 589925

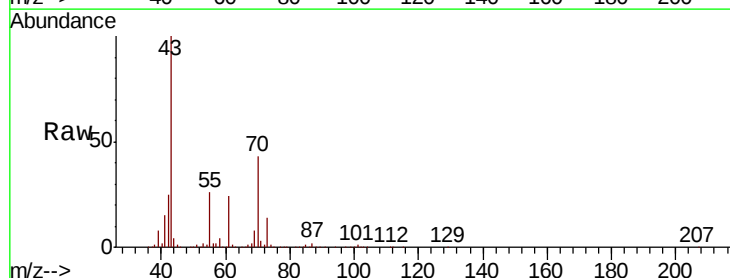
Ion Ratio Lower Upper

43 100

70 43.1 34.4 51.6

55 26.4 20.8 31.2

61 24.7 19.7 29.5

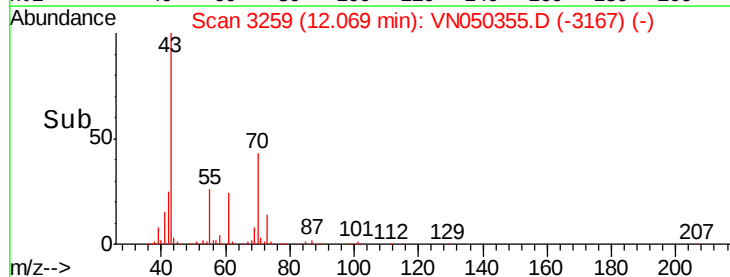
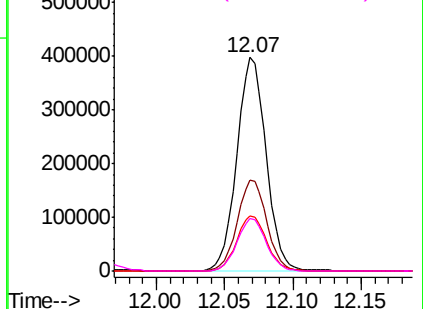


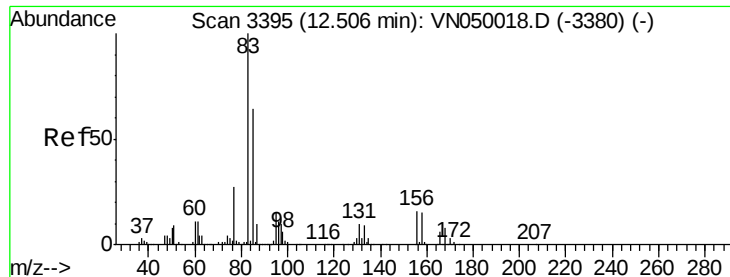
Abundance Ion 43.00 (42.70 to 43.70): V

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: 49.79 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

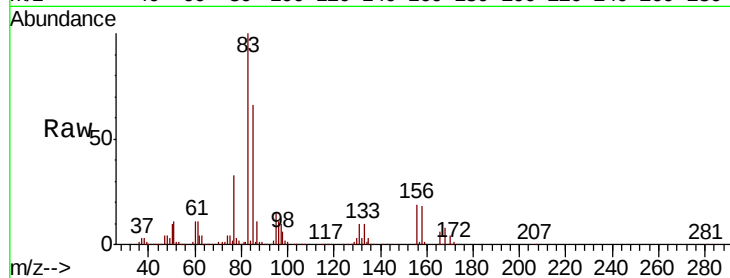
Tot Ion: 83 Resp: 522353

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

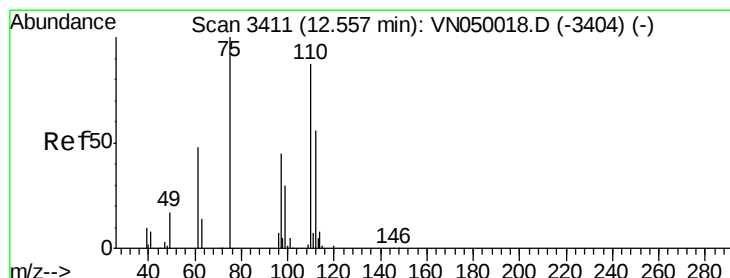
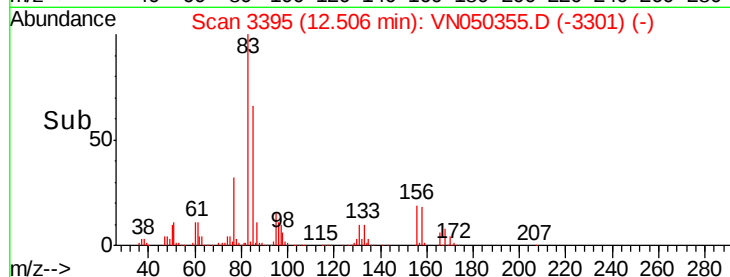
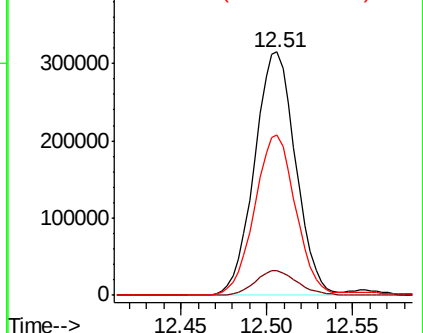
85 65.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 69.74 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050355.D

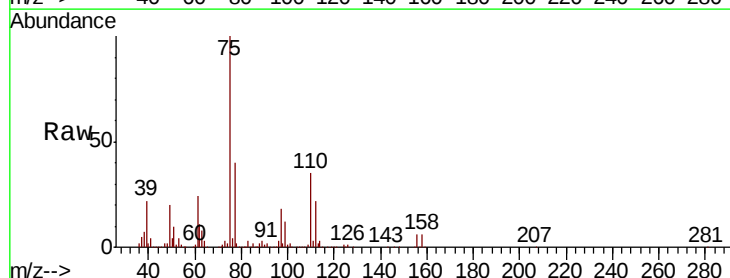
Acq: 4 Aug 2018 10:01

Tgt Ion: 75 Resp: 656292

Ion Ratio Lower Upper

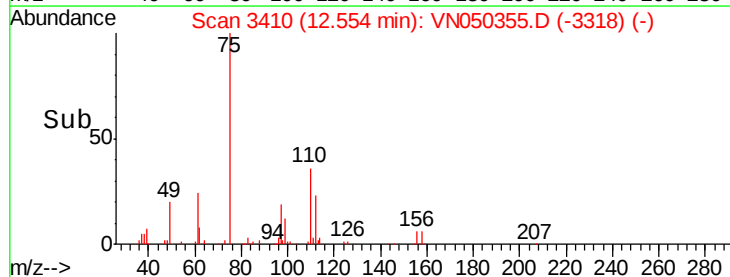
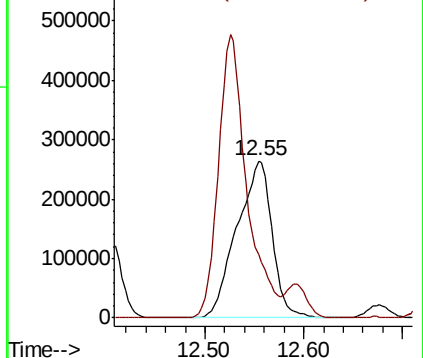
75 100

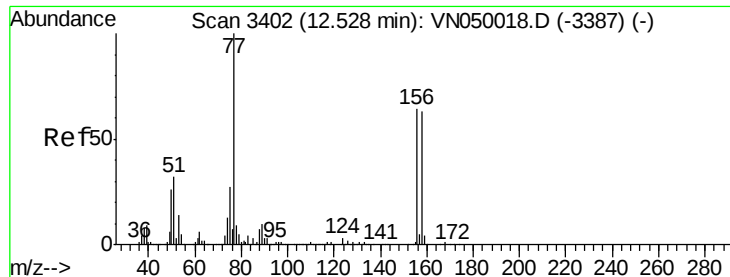
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.91 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

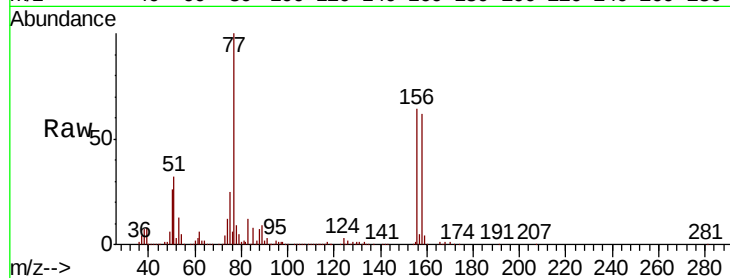
Tot Ion:156 Resp: 521460

Ion Ratio Lower Upper

156 100

77 183.9 91.7 275.1

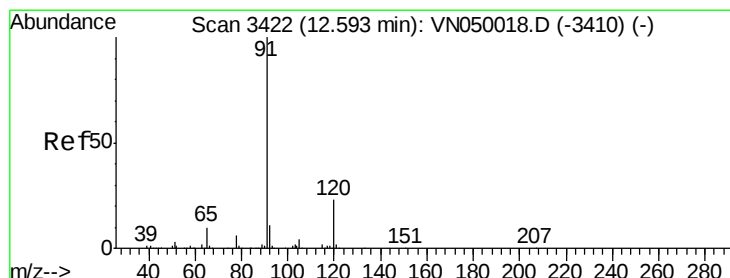
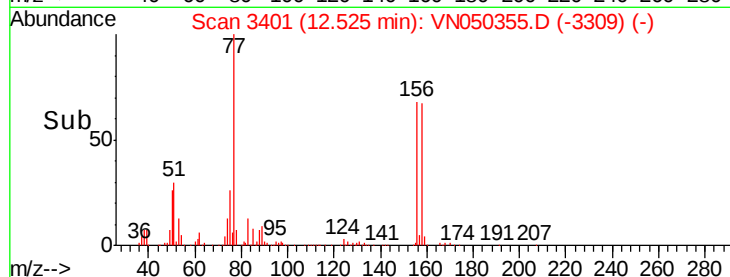
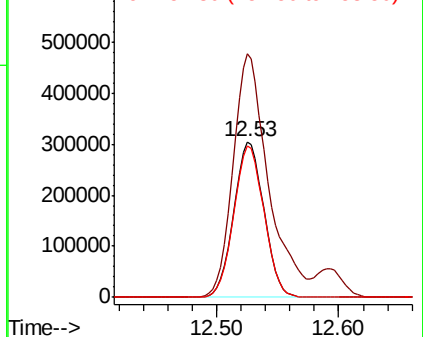
158 97.4 48.9 146.6



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: 53.91 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050355.D

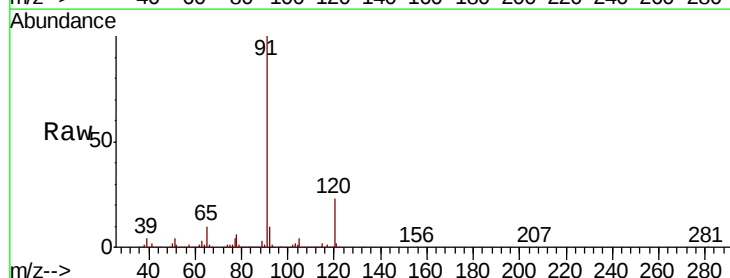
Acq: 4 Aug 2018 10:01

Tgt Ion: 91 Resp: 2366528

Ion Ratio Lower Upper

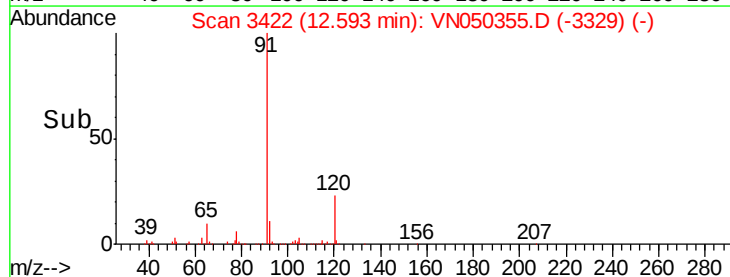
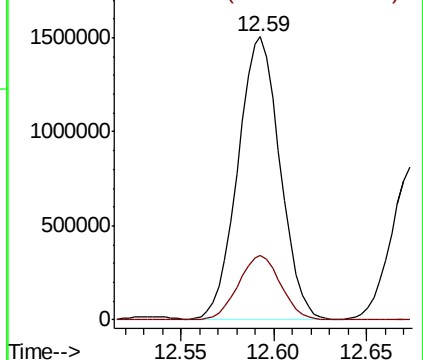
91 100

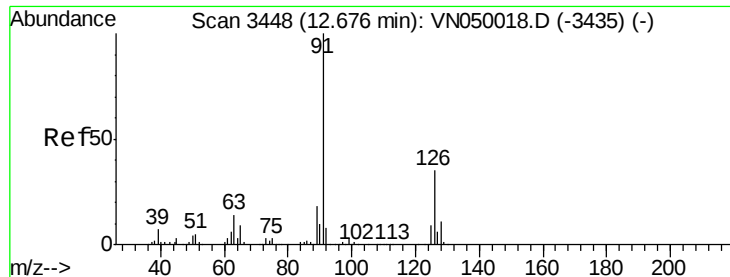
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

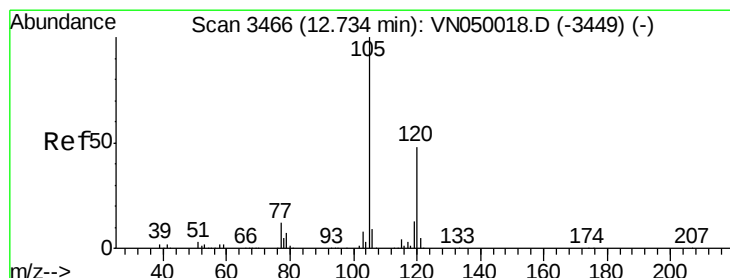
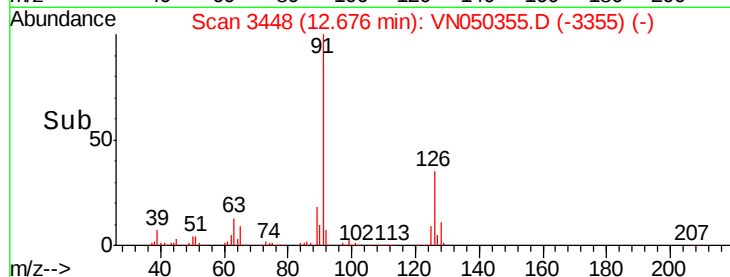
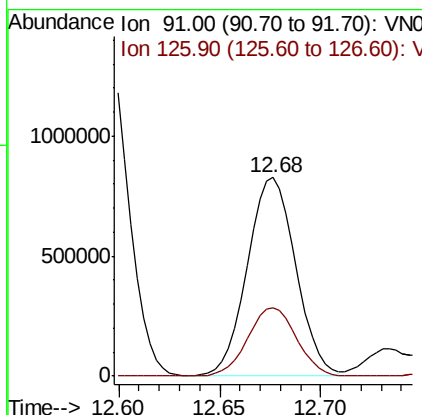
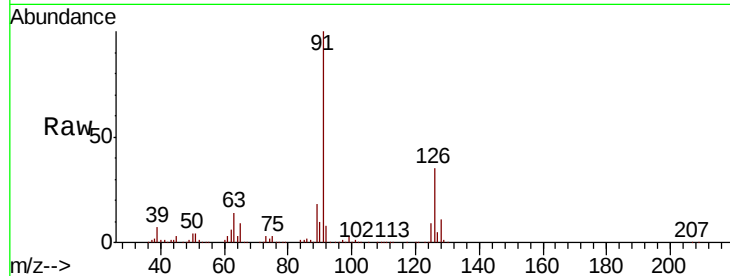




#79
 2-Chlorotoluene
 Concen: 50.89 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

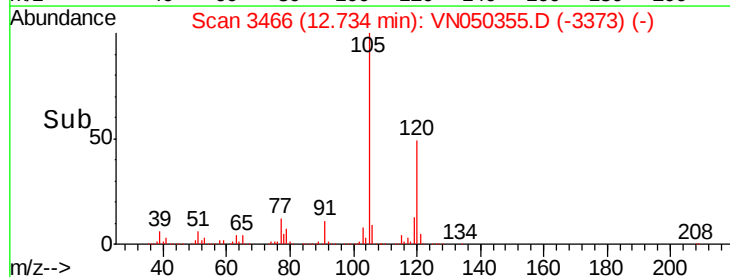
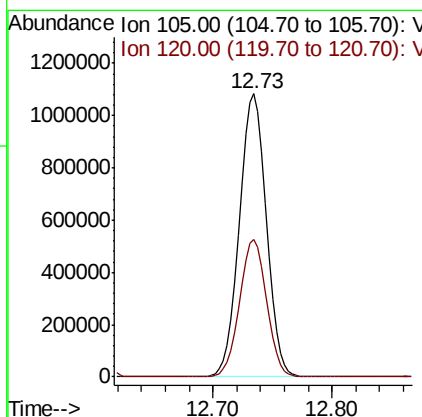
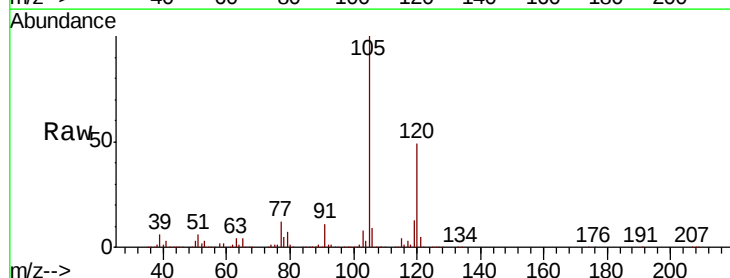
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

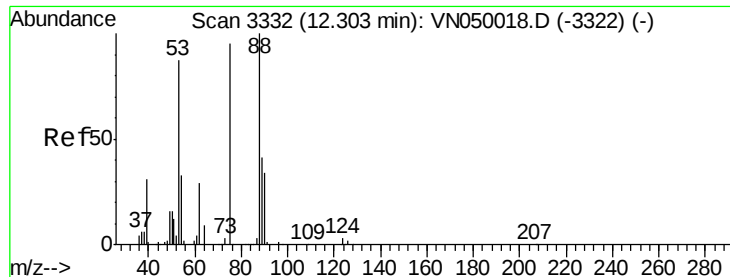
Tot Ion: 91 Resp: 1384476
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 55.01 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

Tgt Ion: 105 Resp: 1699206
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.04 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

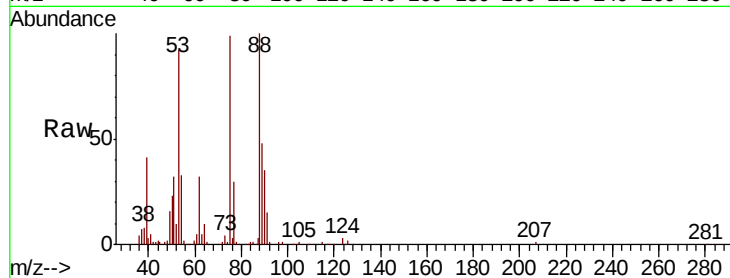
Tot Ion: 75 Resp: 148470

Ion Ratio Lower Upper

75 100

53 91.9 73.5 110.3

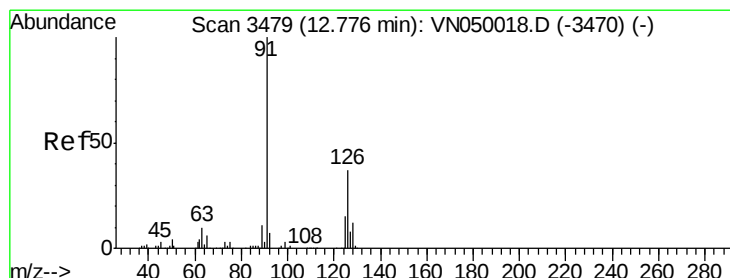
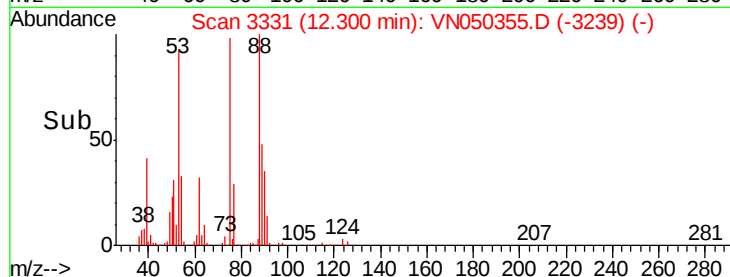
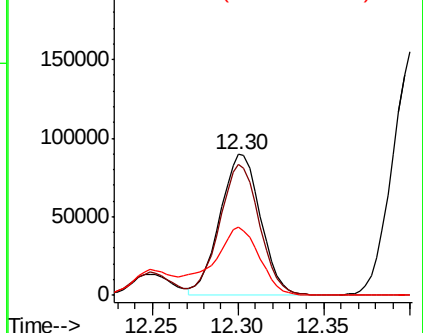
89 51.3 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 53.29 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050355.D

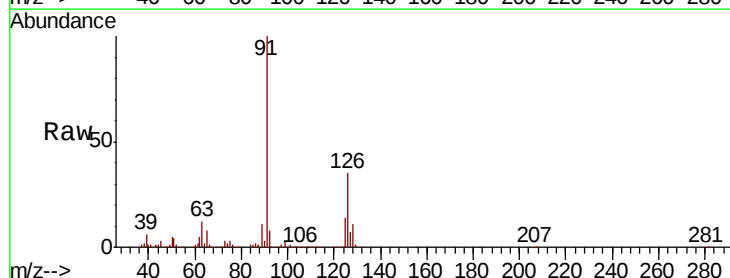
Acq: 4 Aug 2018 10:01

Tgt Ion: 91 Resp: 1435657

Ion Ratio Lower Upper

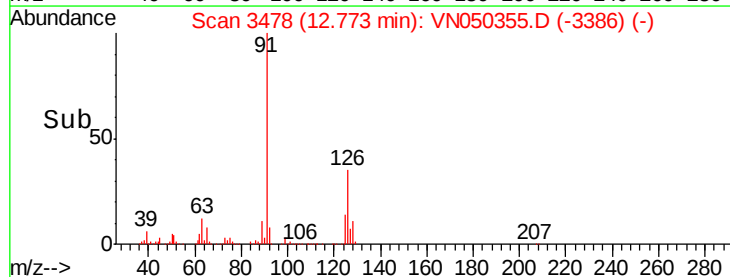
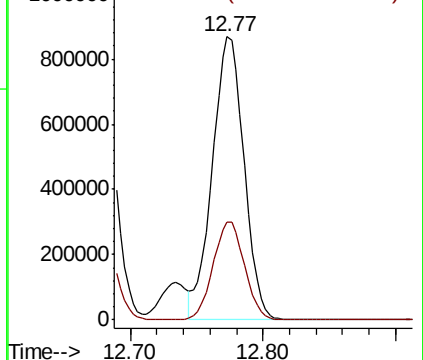
91 100

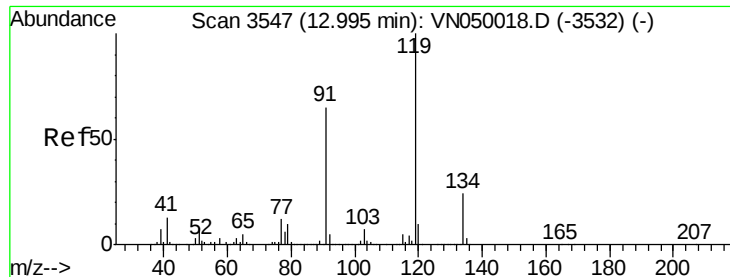
126 34.3 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 54.33 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

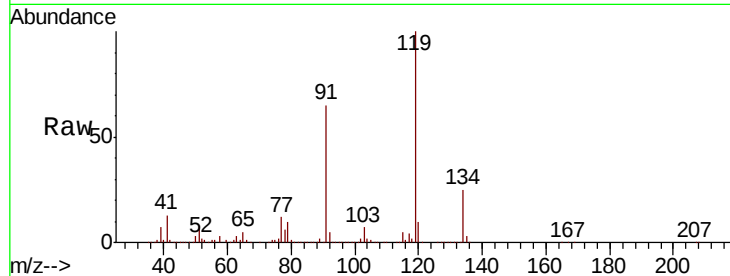
Tot Ion:119 Resp: 1464681

Ion Ratio Lower Upper

119 100

91 63.5 32.1 96.3

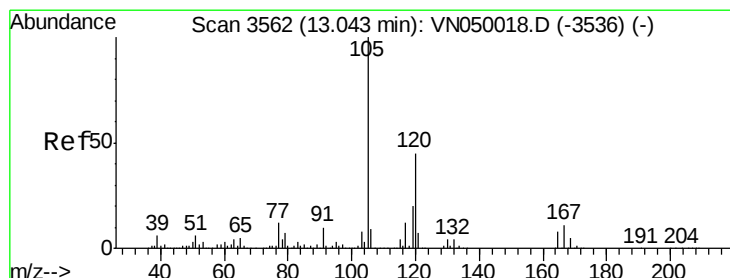
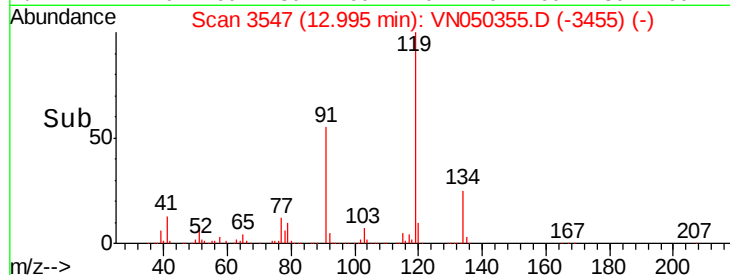
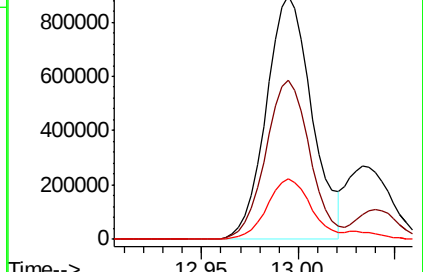
134 24.3 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.81 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050355.D

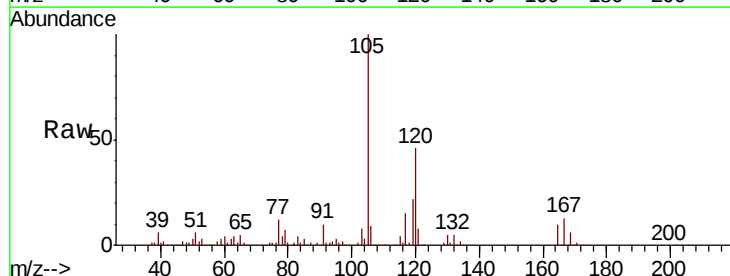
Acq: 4 Aug 2018 10:01

Tgt Ion:105 Resp: 1737683

Ion Ratio Lower Upper

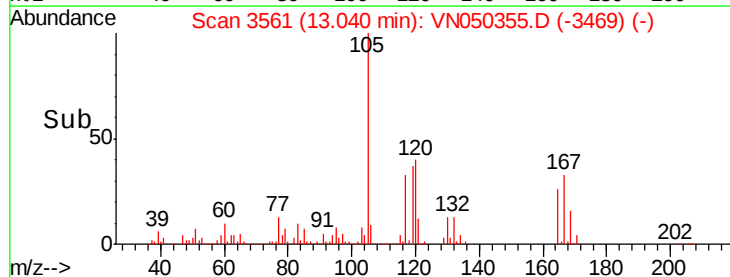
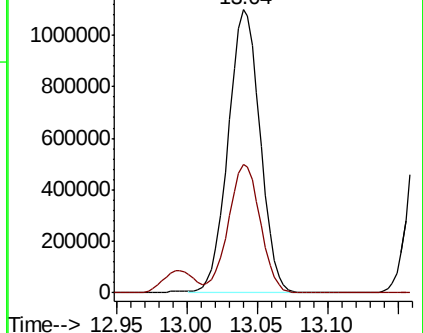
105 100

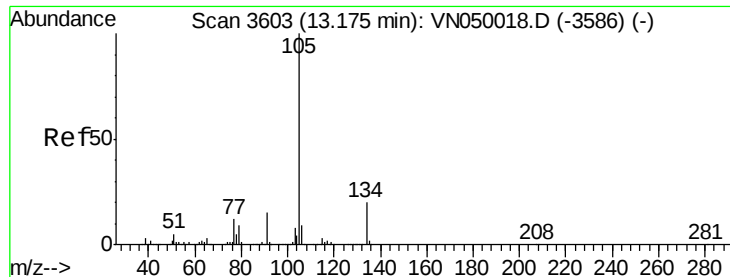
120 45.5 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.65 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampled :

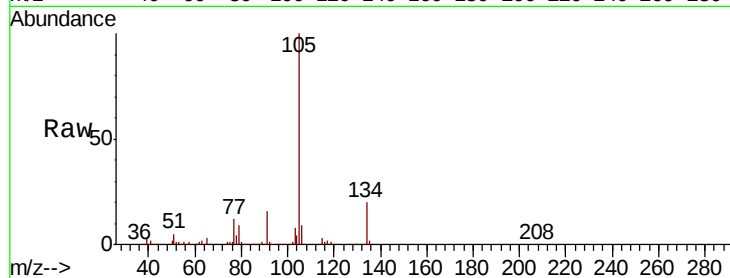
VSTDCCC050

Tot Ion:105 Resp: 1968390

Ion Ratio Lower Upper

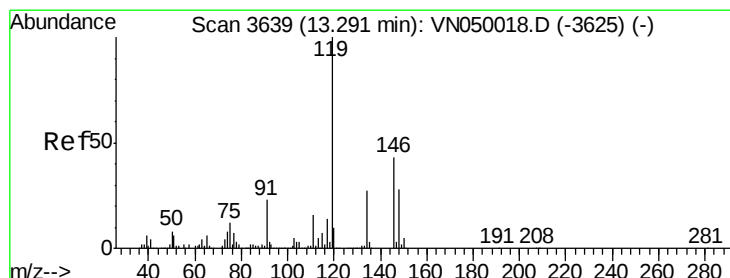
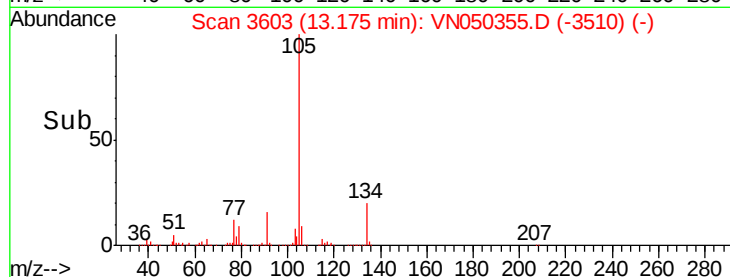
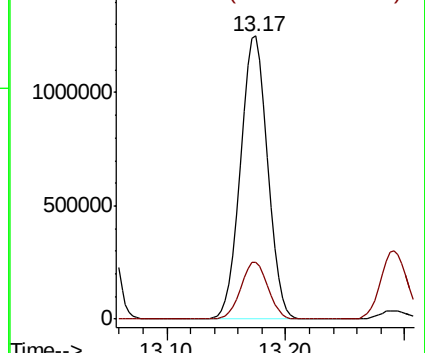
105 100

134 20.3 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: 57.54 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

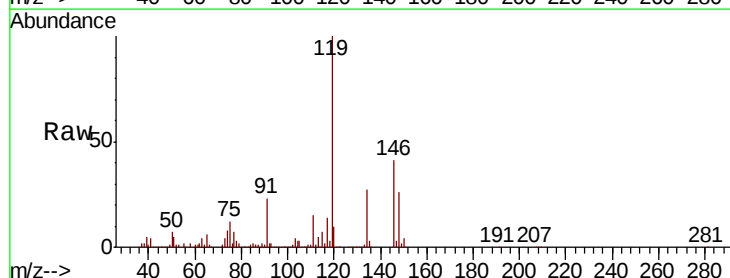
Tgt Ion:119 Resp: 1746467

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

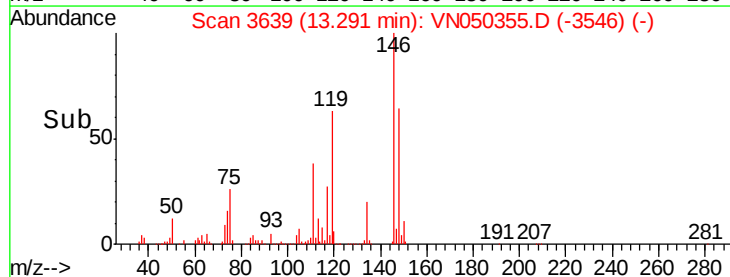
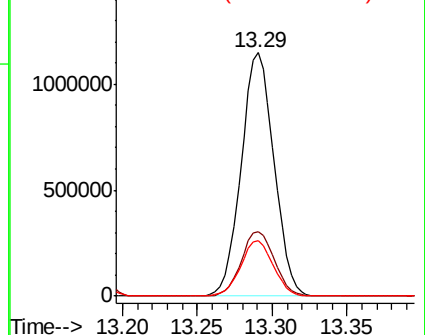
91 22.7 11.4 34.2

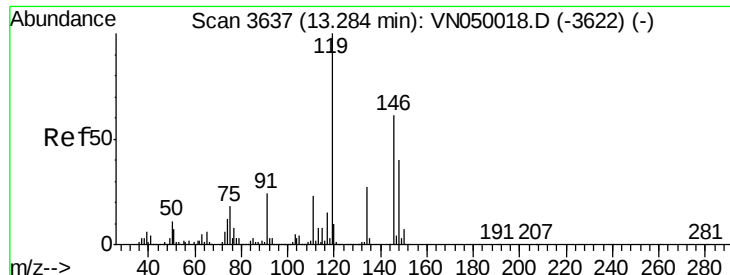


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.33 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

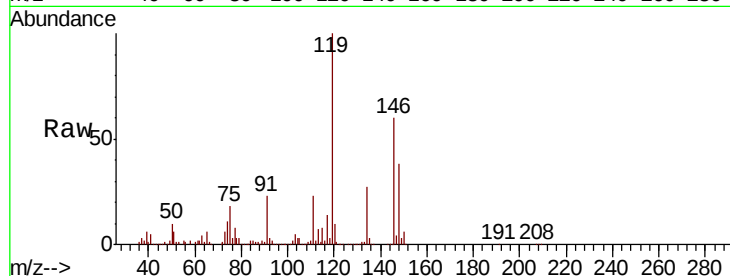
Tot Ion:146 Resp: 947195

Ion Ratio Lower Upper

146 100

111 38.0 18.8 56.4

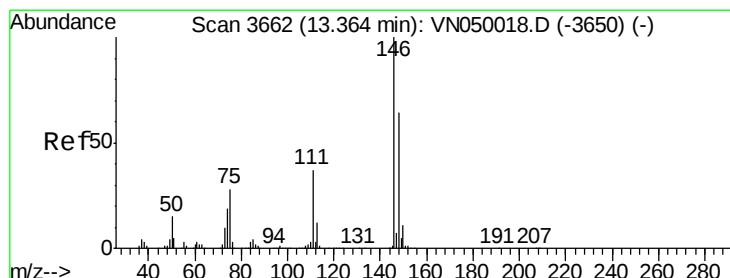
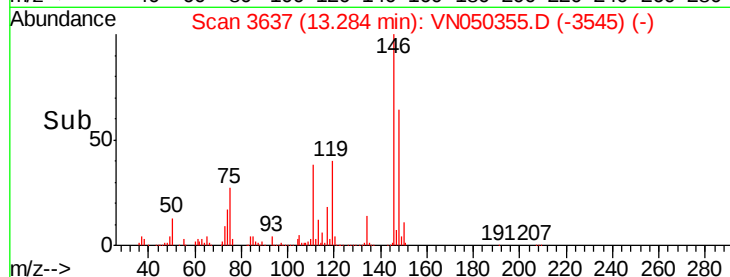
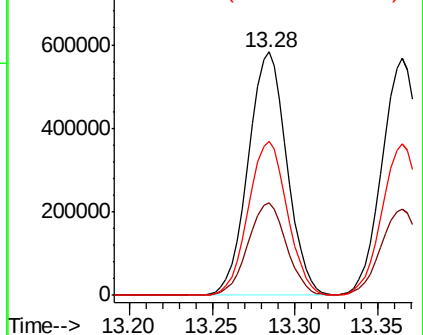
148 63.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.72 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

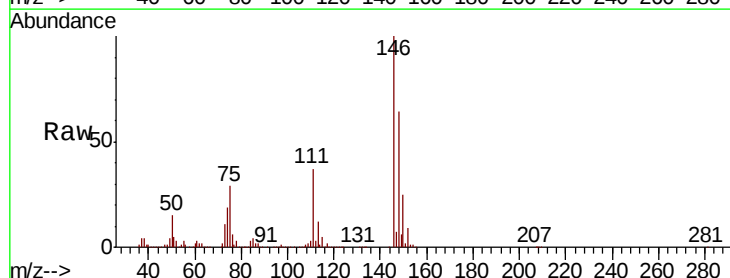
Tgt Ion:146 Resp: 930182

Ion Ratio Lower Upper

146 100

111 37.2 18.3 54.9

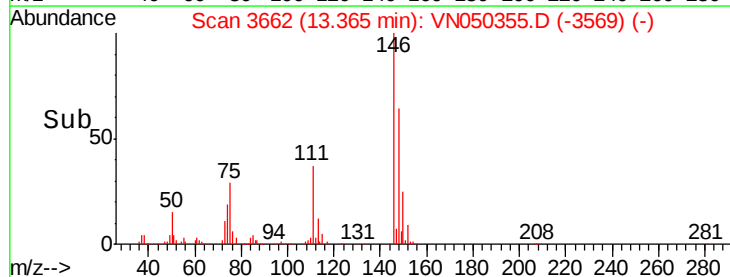
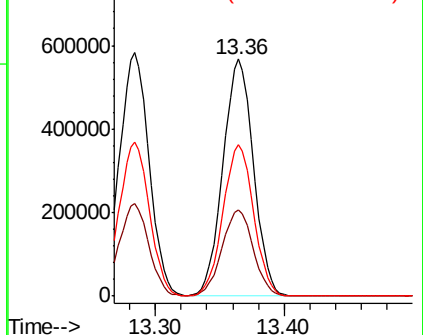
148 64.1 31.9 95.9

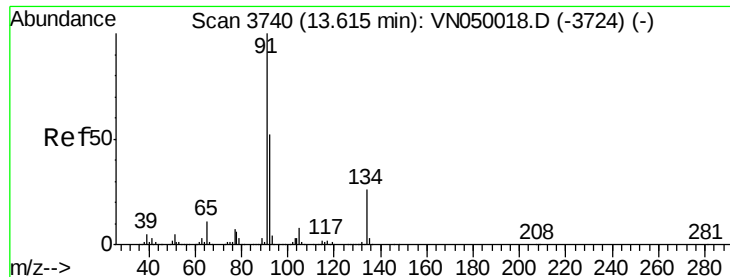


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

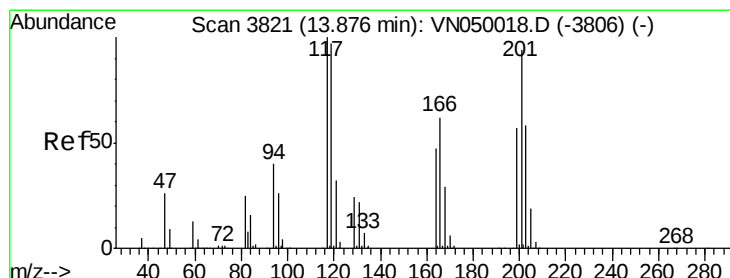
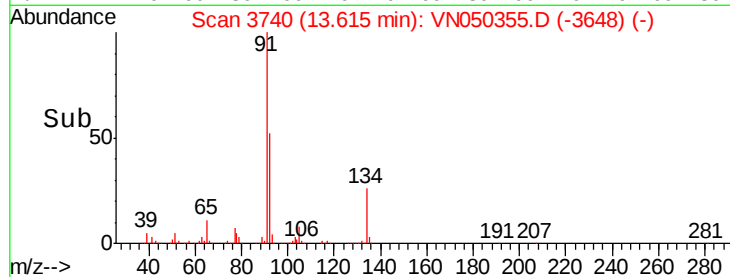
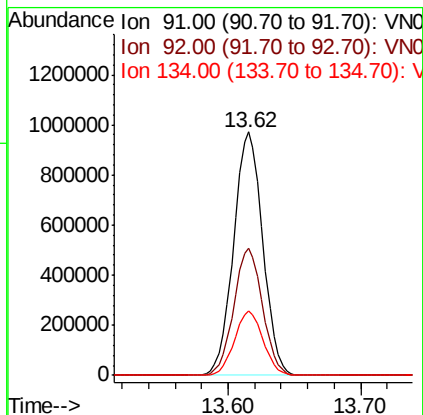
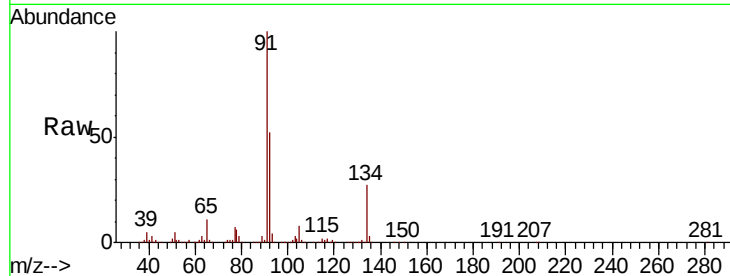




#89
n-Butylbenzene
Concen: 59.21 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

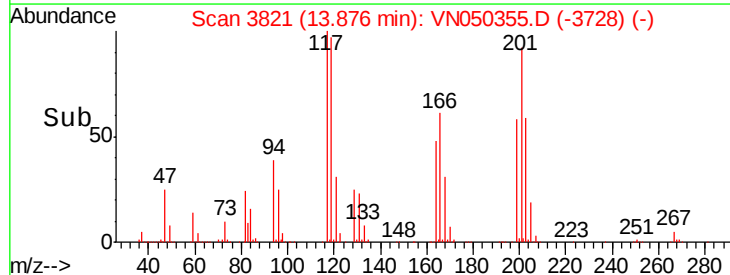
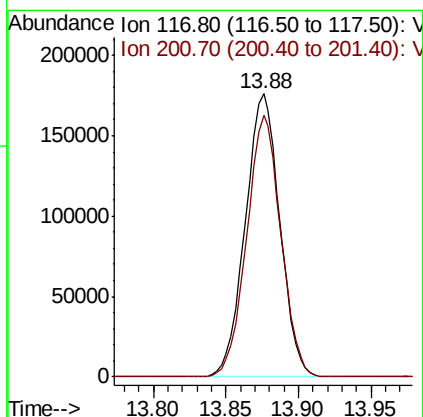
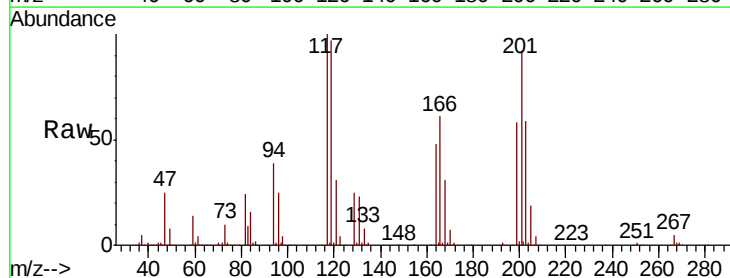
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

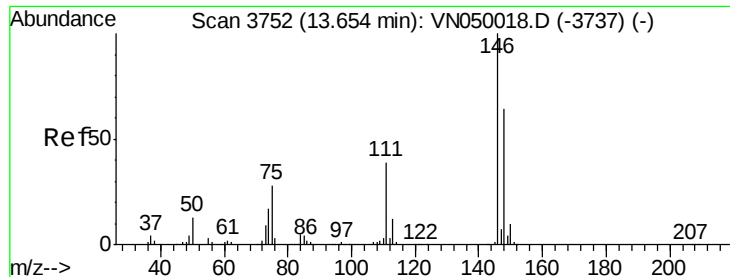
Tot Ion: 91 Resp: 1477811
Ion Ratio Lower Upper
91 100
92 51.6 25.8 77.4
134 26.1 12.8 38.4



#90
Hexachloroethane
Concen: 43.40 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion: 117 Resp: 292516
Ion Ratio Lower Upper
117 100
201 91.1 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 49.53 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

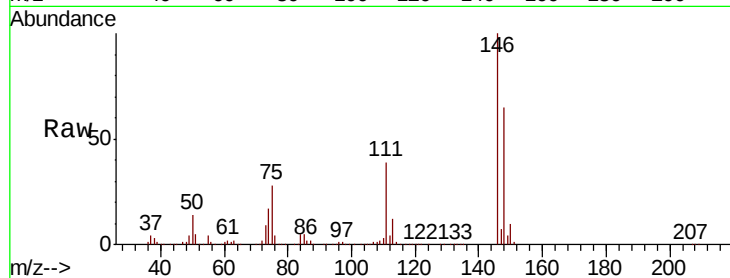
Tot Ion:146 Resp: 913608

Ion Ratio Lower Upper

146 100

111 39.3 19.6 58.7

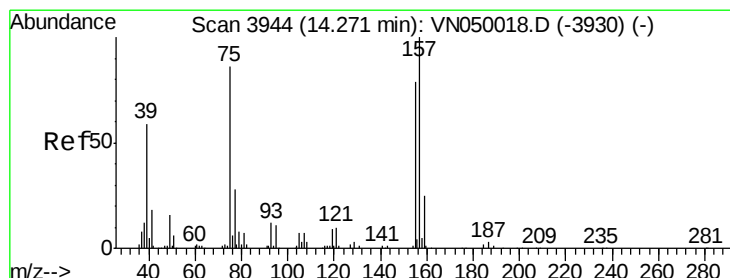
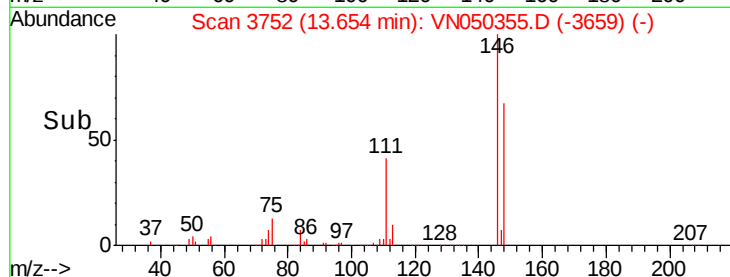
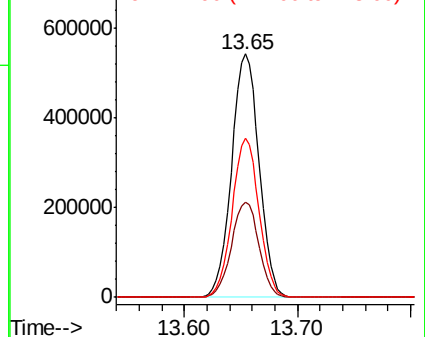
148 63.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.46 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050355.D

Acq: 4 Aug 2018 10:01

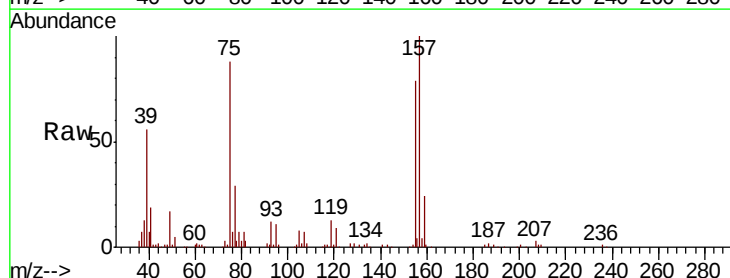
Tgt Ion: 75 Resp: 83112

Ion Ratio Lower Upper

75 100

155 91.1 44.8 134.4

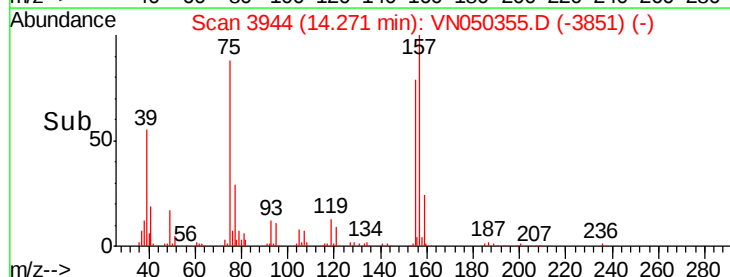
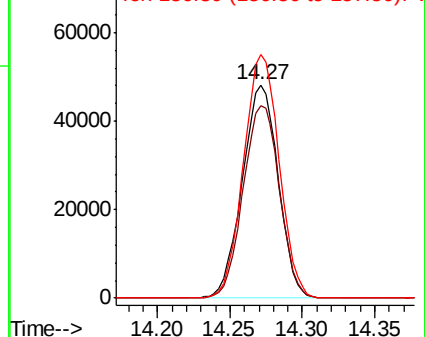
157 113.1 57.2 171.6



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

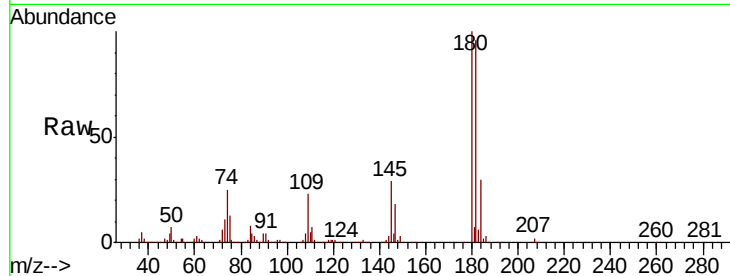




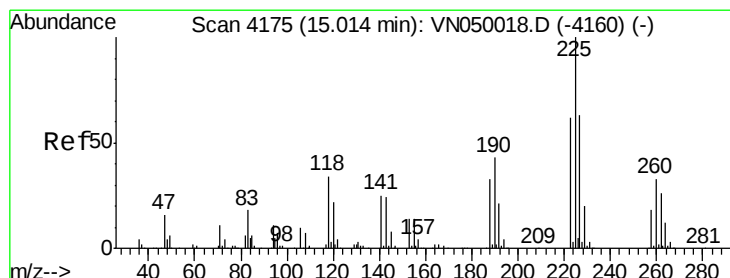
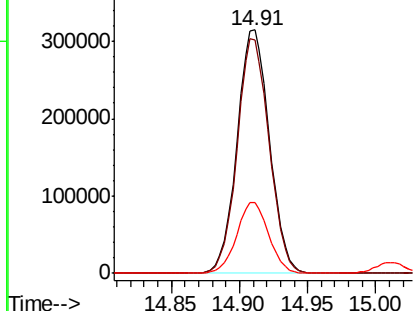
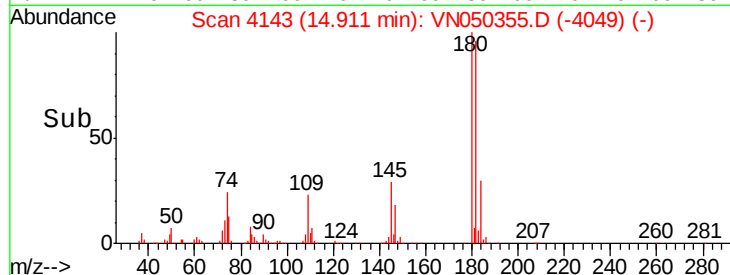
#93
 1,2,4-Trichlorobenzene
 Concen: 52.64 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 516580
 Ion Ratio Lower Upper
 180 100
 182 95.3 46.7 140.1
 145 28.9 13.8 41.4

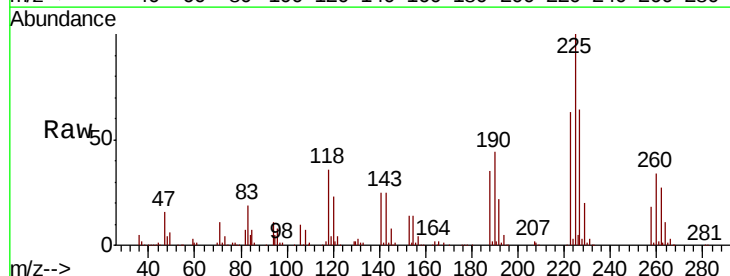


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

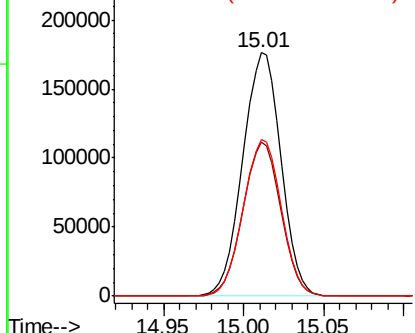
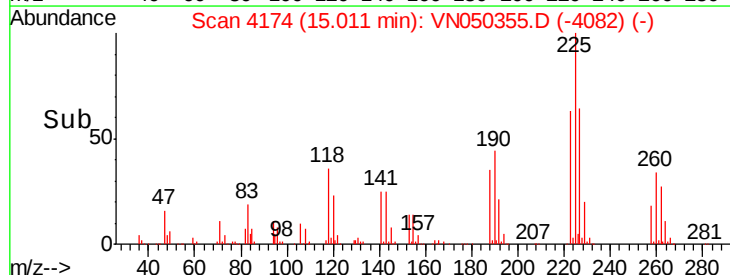


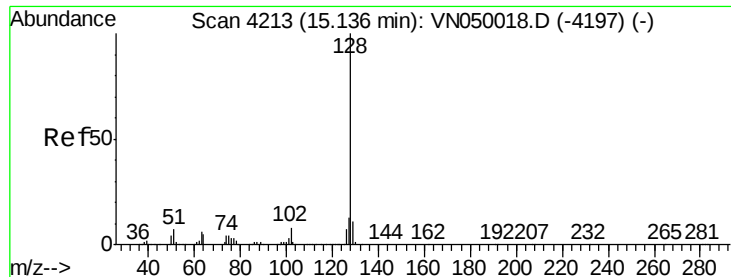
#94
 Hexachlorobutadiene
 Concen: 50.96 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050355.D
 Acq: 4 Aug 2018 10:01

Tgt Ion:225 Resp: 287778
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.4 94.2
 227 64.0 32.1 96.5



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

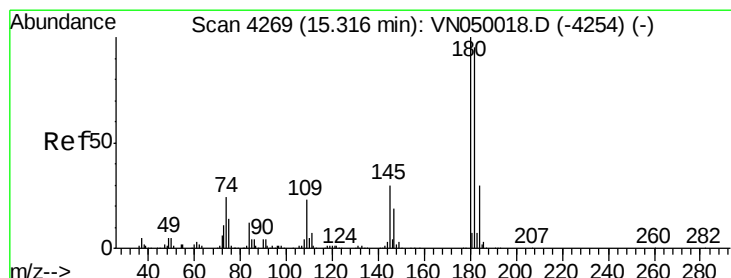
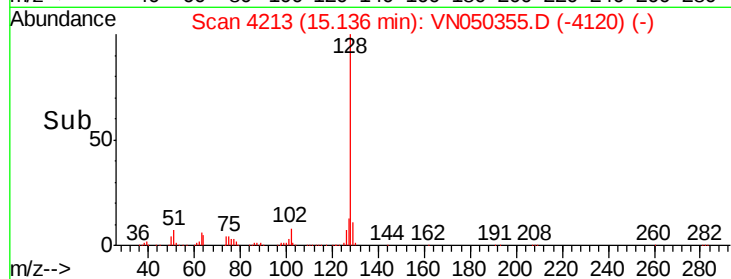
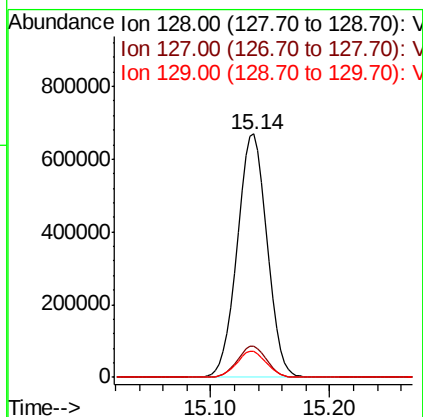
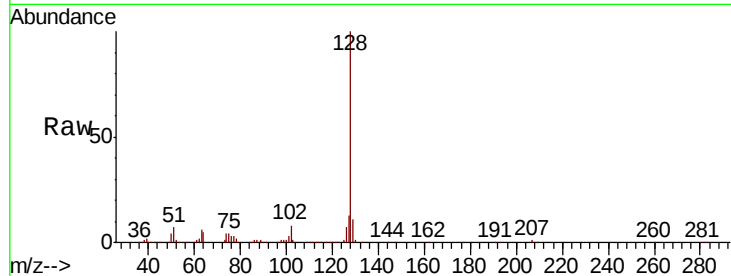




#95
Naphthalene
Concen: 50.13 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1159668
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 52.03 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050355.D
Acq: 4 Aug 2018 10:01

Tgt Ion:180 Resp: 496599
Ion Ratio Lower Upper
180 100
182 95.2 48.1 144.4
145 29.8 15.3 45.9

