

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050098.D
 Acq On : 26 Jul 2018 22:16
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 27 04:01:16 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	675215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1021547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	936092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	490433	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	453310	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
35) Dibromofluoromethane	7.59	113	399569	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
50) Toluene-d8	10.09	98	1498878	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.40	95	517192	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	481710	49.65	ug/l	98
3) Chloromethane	2.06	50	458141	43.44	ug/l	99
4) Vinyl Chloride	2.18	62	491363	44.24	ug/l	99
5) Bromomethane	2.55	94	121456	19.07	ug/l	100
6) Chloroethane	2.69	64	293916	44.07	ug/l	99
7) Trichlorofluoromethane	3.01	101	648885	45.10	ug/l	100
8) Diethyl Ether	3.41	74	233439	48.67	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	384799	44.48	ug/l	99
10) Methyl Iodide	3.95	142	214906	19.35	ug/l	99
11) Tert butyl alcohol	4.81	59	172728	249.19	ug/l	100
12) 1,1-Dichloroethene	3.73	96	357103	45.89	ug/l	98
13) Acrolein	3.61	56	74073	133.00	ug/l	99
14) Allyl chloride	4.32	41	578695	47.96	ug/l	99
15) Acrylonitrile	5.00	53	745187	246.41	ug/l	100
16) Acetone	3.82	43	543341	244.76	ug/l	97
17) Carbon Disulfide	4.05	76	1025948	43.03	ug/l	99
18) Methyl Acetate	4.33	43	475605	55.28	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1077391	51.95	ug/l	99
20) Methylene Chloride	4.55	84	412068	49.32	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	384314	46.60	ug/l	98
22) Diisopropyl ether	5.96	45	1235280	51.63	ug/l	100
23) Vinyl Acetate	5.90	43	4320200	255.50	ug/l	99
24) 1,1-Dichloroethane	5.85	63	731108	46.73	ug/l	100
25) 2-Butanone	6.84	43	895434	249.19	ug/l	100
26) 2,2-Dichloropropane	6.83	77	470778	39.55	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	437508	49.29	ug/l	98
28) Bromochloromethane	7.20	49	345714	48.44	ug/l	100
29) Tetrahydrofuran	7.22	42	589804	254.01	ug/l	99
30) Chloroform	7.37	83	746229	46.74	ug/l	99
31) Cyclohexane	7.66	56	620184	47.79	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	639583	46.83	ug/l	100
36) 1,1-Dichloropropene	7.80	75	558282	48.51	ug/l	99
37) Ethyl Acetate	6.94	43	397128	49.49	ug/l	100
38) Carbon Tetrachloride	7.78	117	558514	45.73	ug/l	98

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 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)
39) Methylcyclohexane	9.09	83	586177	49.51	ug/l	99
40) Benzene	8.04	78	1683034	48.06	ug/l	100
41) Methacrylonitrile	7.18	41	205585	49.24	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	545263	46.67	ug/l	100
43) Isopropyl Acetate	8.17	43	797615	52.81	ug/l #	92
44) Trichloroethene	8.84	130	432821	45.99	ug/l	99
45) 1,2-Dichloropropane	9.12	63	439542	47.38	ug/l	99
46) Dibromomethane	9.21	93	274778	47.71	ug/l	99
47) Bromodichloromethane	9.41	83	573334	47.16	ug/l	99
48) Methyl methacrylate	9.20	41	365076	52.83	ug/l	100
49) 1,4-Dioxane	9.20	88	97133	1032.81	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2059163	261.04	ug/l	100
52) Toluene	10.16	92	1036346	50.13	ug/l	100
53) t-1,3-Dichloropropene	10.39	75	568856	49.59	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	643673	49.10	ug/l	99
55) 1,1,2-Trichloroethane	10.57	97	397339	48.46	ug/l	99
56) Ethyl methacrylate	10.43	69	527515	47.59	ug/l	99
57) 1,3-Dichloropropane	10.71	76	657937	49.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1206405	233.07	ug/l	100
59) 2-Hexanone	10.75	43	1407811	243.03	ug/l	100
60) Dibromochloromethane	10.90	129	447723	49.32	ug/l	100
61) 1,2-Dibromoethane	11.01	107	398289	48.96	ug/l	99
64) Tetrachloroethene	10.63	164	405344	45.04	ug/l	99
65) Chlorobenzene	11.44	112	1124083	47.54	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	421771	46.42	ug/l	98
67) Ethyl Benzene	11.51	91	1955247	51.48	ug/l	99
68) m/p-Xylenes	11.63	106	1503030	104.62	ug/l	100
69) o-Xylene	11.95	106	725418	52.97	ug/l	99
70) Styrene	11.97	104	1172507	48.17	ug/l	100
71) Bromoform	12.13	173	316661	47.91	ug/l #	99
73) Isopropylbenzene	12.25	105	1939052	50.98	ug/l	100
74) N-amyl acetate	12.07	43	609023	52.39	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	530795	52.33	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	639214	70.13	ug/l #	100
77) Bromobenzene	12.53	156	499413	47.37	ug/l	99
78) n-propylbenzene	12.59	91	2206423	51.90	ug/l	100
79) 2-Chlorotoluene	12.68	91	1322678	50.20	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1590337	53.16	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	140603	48.93	ug/l	99
82) 4-Chlorotoluene	12.78	91	1326848	50.85	ug/l	100
83) tert-Butylbenzene	13.00	119	1359176	52.06	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1624515	53.87	ug/l	99
85) sec-Butylbenzene	13.17	105	1826441	52.35	ug/l	100
86) p-Isopropyltoluene	13.29	119	1590336	54.10	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	869981	48.68	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	843637	48.43	ug/l	99
89) n-Butylbenzene	13.62	91	1302103	53.87	ug/l	100
90) Hexachloroethane	13.88	117	293126	44.91	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	867038	48.53	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	87448	51.63	ug/l	98

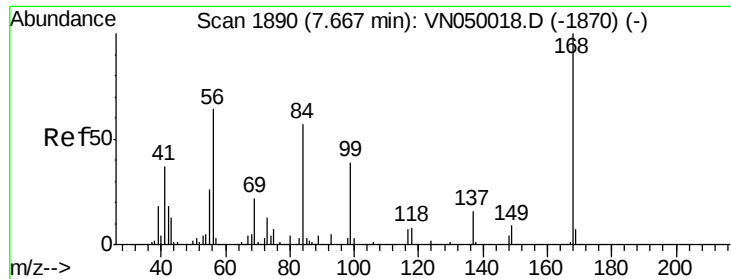
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	445510	47.21	ug/l	97
94) Hexachlorobutadiene	15.01	225	257742	47.13	ug/l	98
95) Naphthalene	15.14	128	1055977	47.40	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	448393	48.65	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

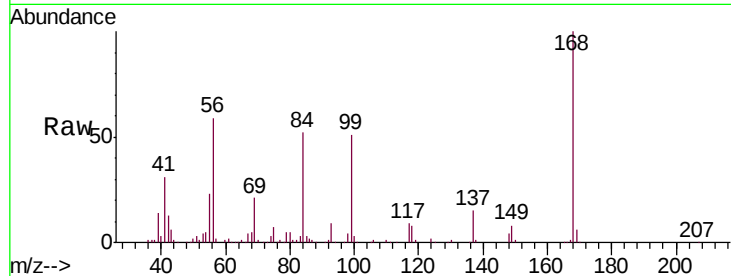
VSTDCCC050

Tot Ion:168 Resp: 675215

Ion Ratio Lower Upper

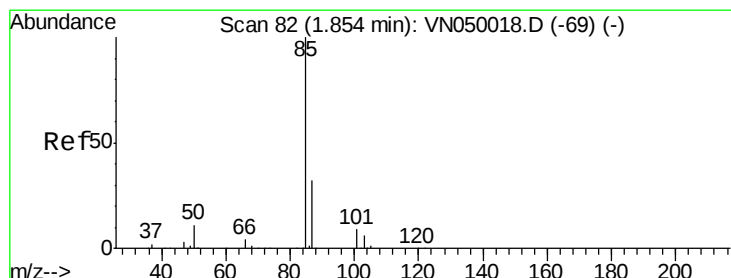
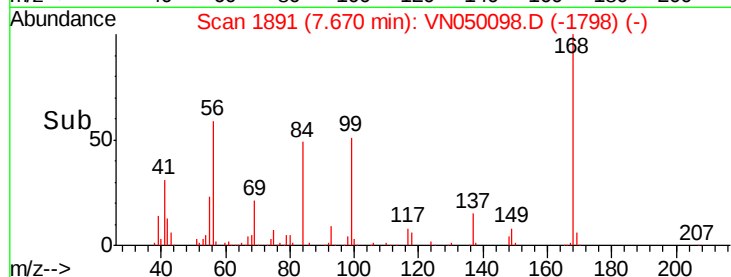
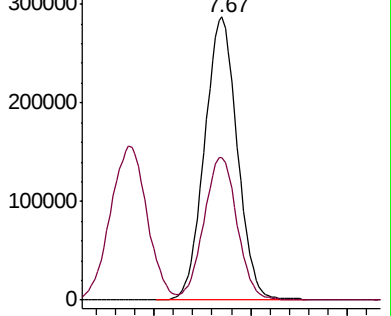
168 100

99 50.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.65 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050098.D

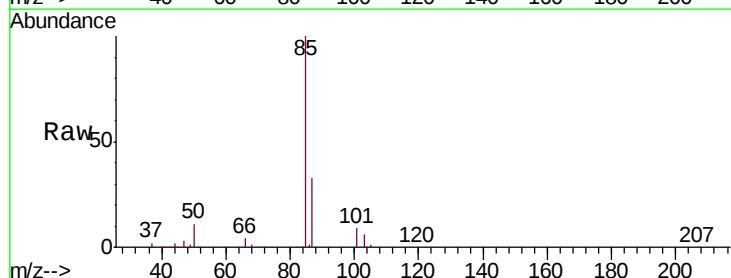
Acq: 26 Jul 2018 22:16

Tgt Ion: 85 Resp: 481710

Ion Ratio Lower Upper

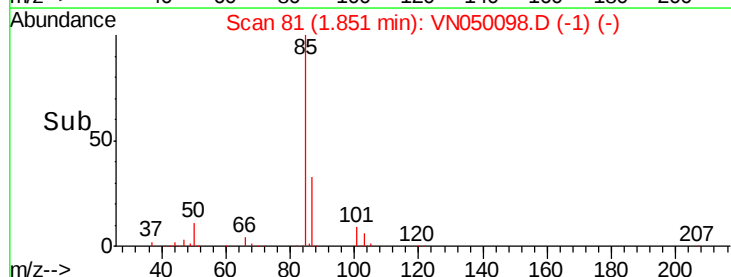
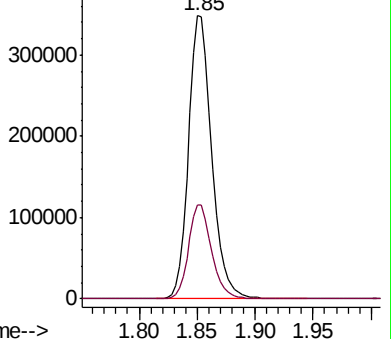
85 100

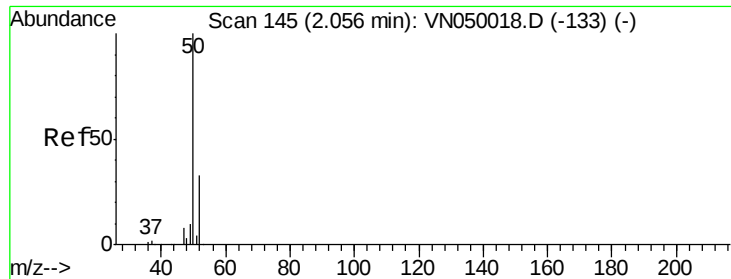
87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.44 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

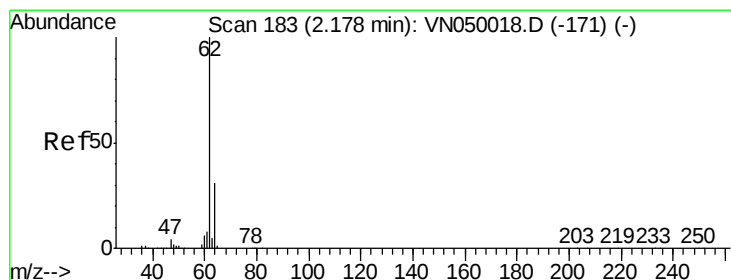
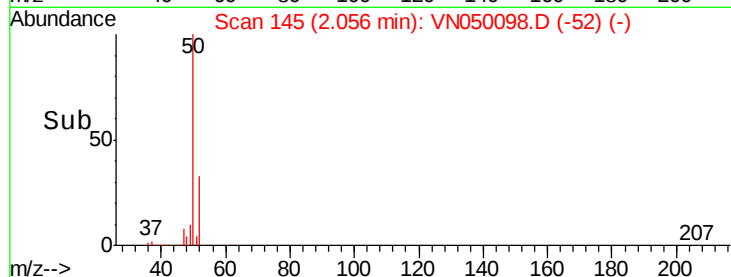
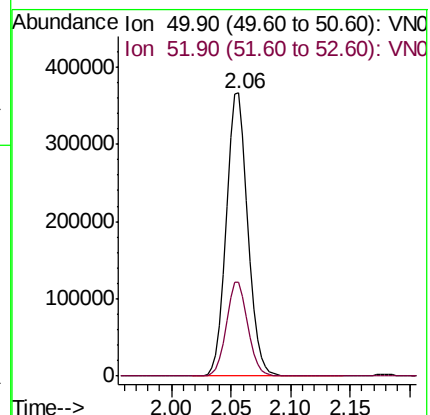
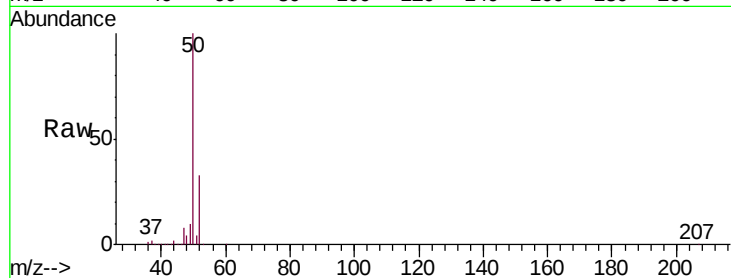
VSTDCCC050

Tot Ion: 50 Resp: 458141

Ion Ratio Lower Upper

50 100

52 33.2 25.9 38.9



#4

Vinyl Chloride

Concen: 44.24 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050098.D

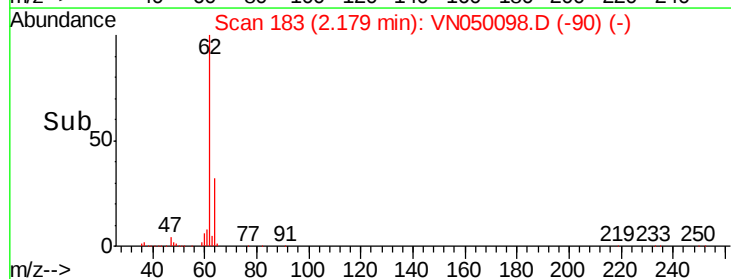
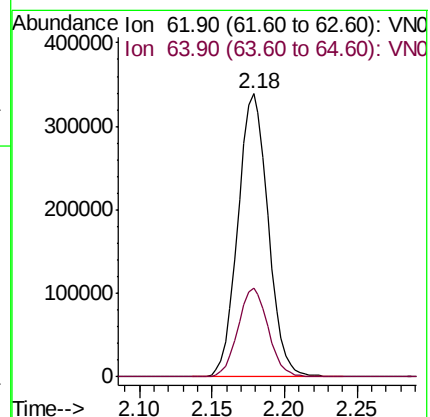
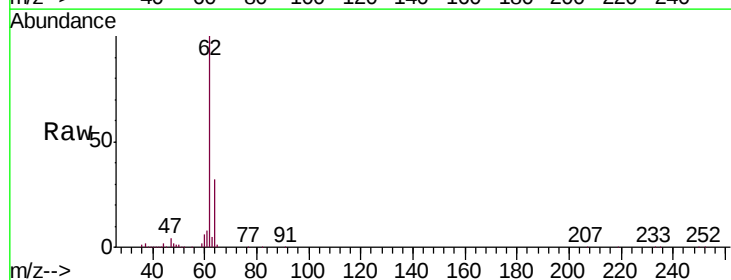
Acq: 26 Jul 2018 22:16

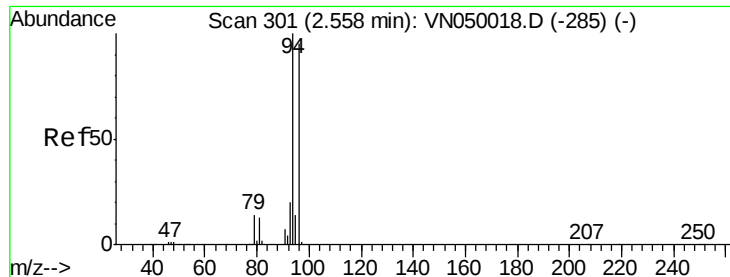
Tgt Ion: 62 Resp: 491363

Ion Ratio Lower Upper

62 100

64 31.6 24.7 37.1





#5

Bromomethane

Concen: 19.07 ug/l

RT: 2.55 min Scan# 299

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

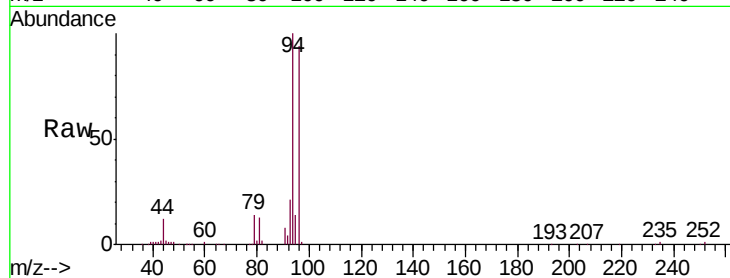
VSTDCCC050

Tot Ion: 94 Resp: 121456

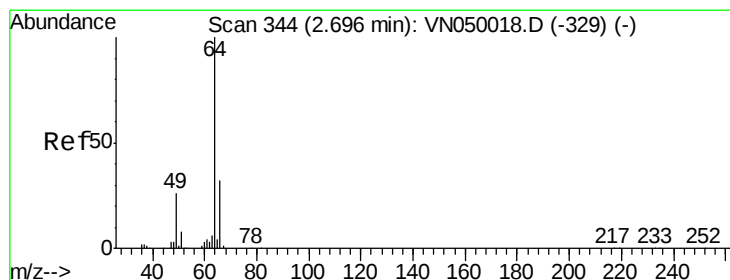
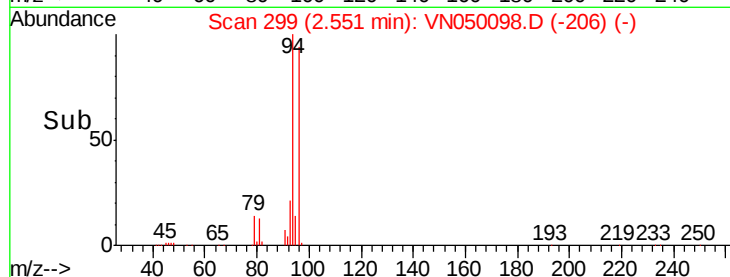
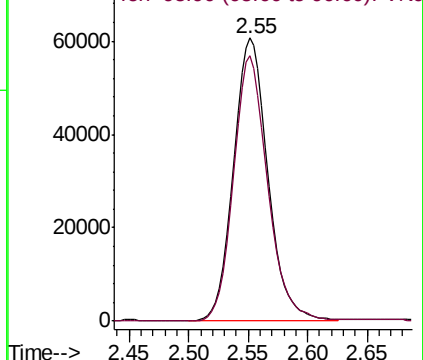
Ion Ratio Lower Upper

94 100

96 93.8 74.6 112.0



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



#6

Chloroethane

Concen: 44.07 ug/l

RT: 2.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VN050098.D

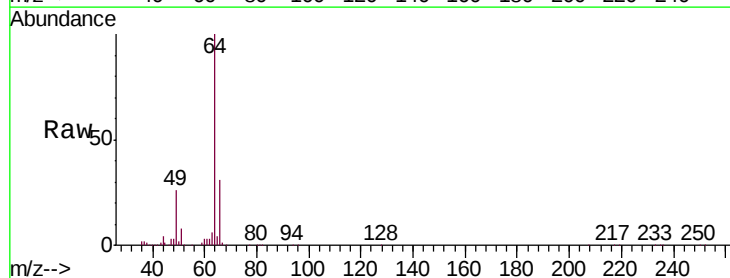
Acq: 26 Jul 2018 22:16

Tgt Ion: 64 Resp: 293916

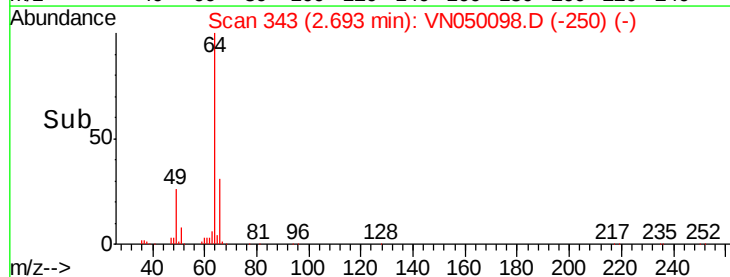
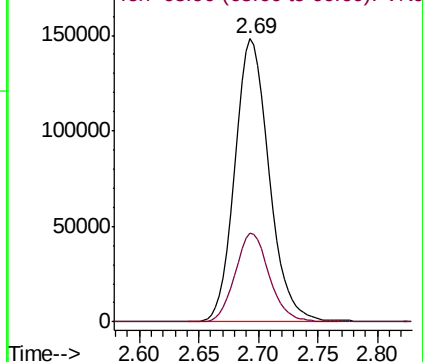
Ion Ratio Lower Upper

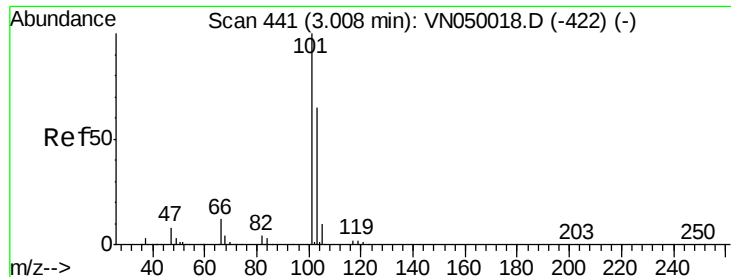
64 100

66 31.3 25.3 37.9



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



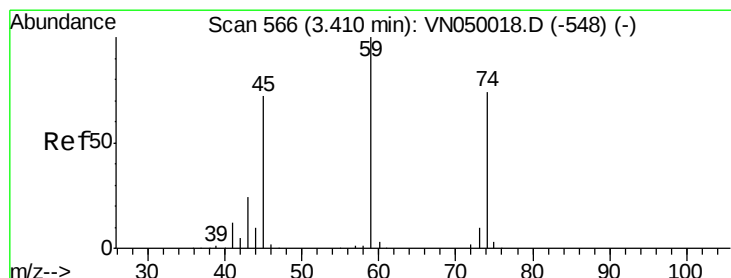
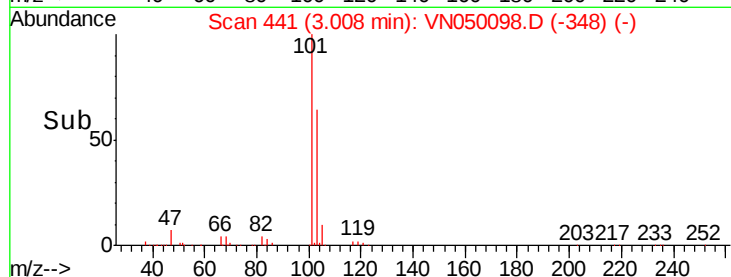
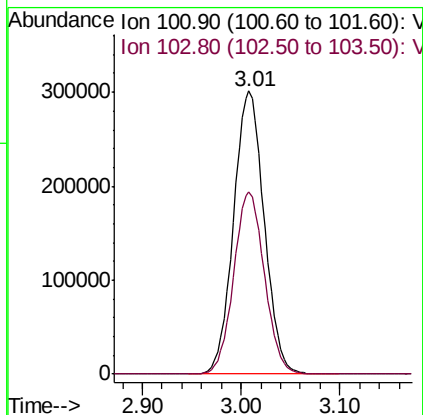
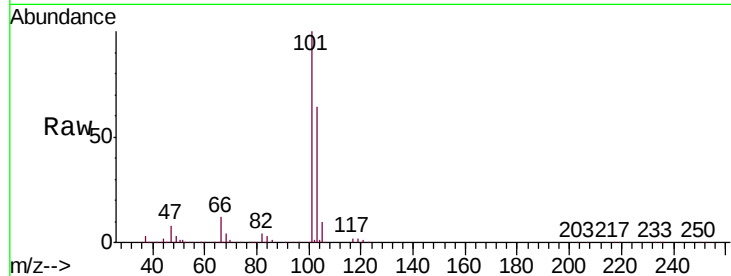


#7

Trichlorofluoromethane
Concen: 45.10 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

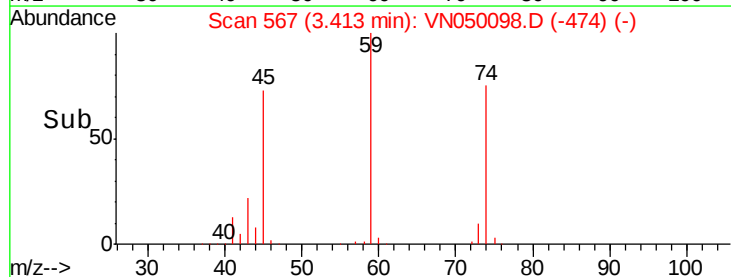
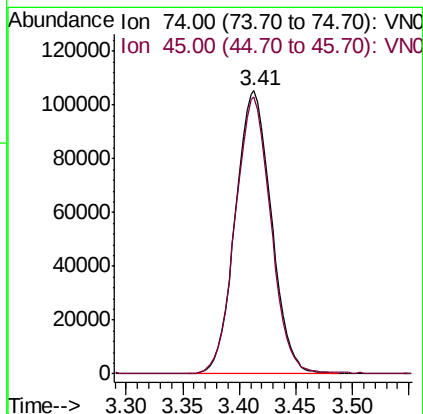
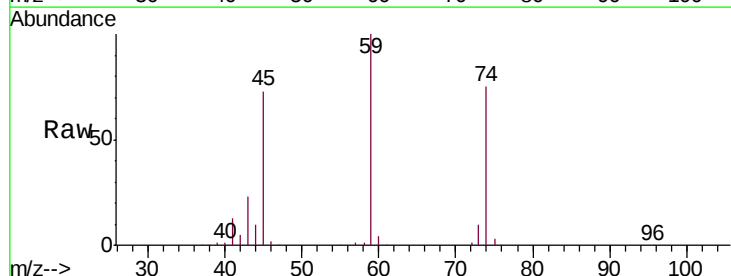
Tot Ion:101 Resp: 648885
Ion Ratio Lower Upper
101 100
103 64.4 51.7 77.5

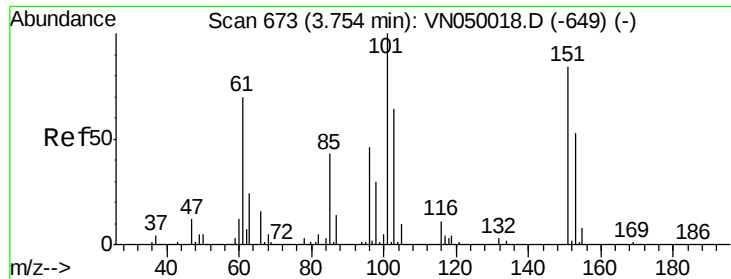


#8

Diethyl Ether
Concen: 48.67 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 74 Resp: 233439
Ion Ratio Lower Upper
74 100
45 96.3 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.48 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

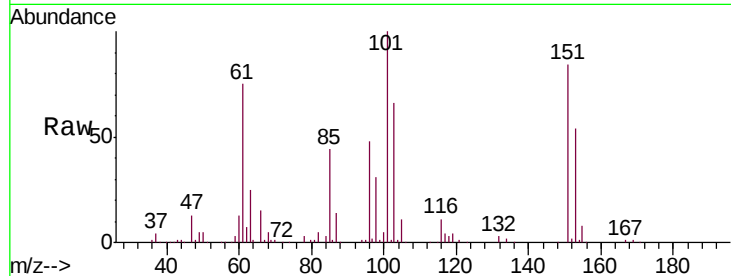
Tot Ion:101 Resp: 384799

Ion Ratio Lower Upper

101 100

85 43.2 34.2 51.2

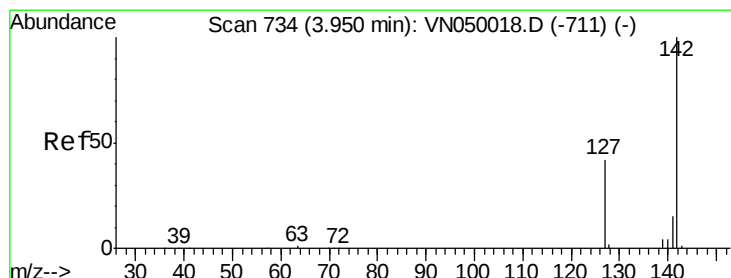
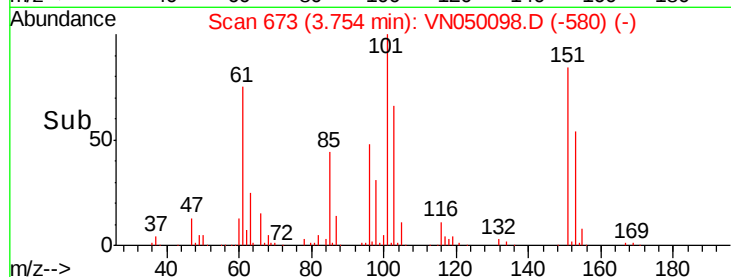
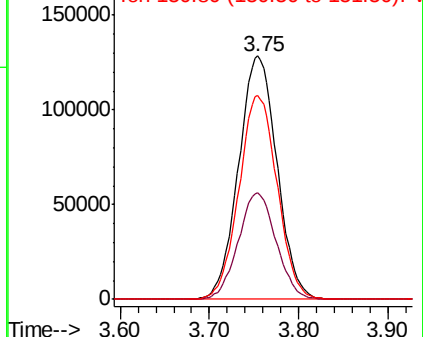
151 83.5 66.3 99.5



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: 19.35 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

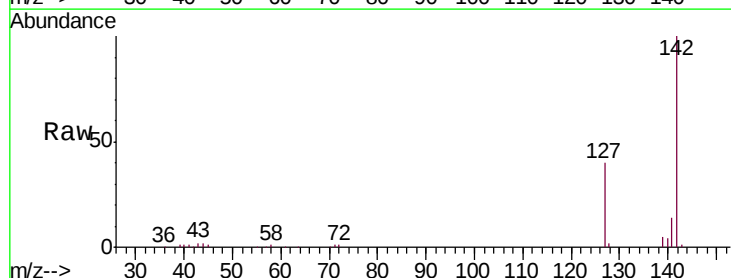
Tgt Ion:142 Resp: 214906

Ion Ratio Lower Upper

142 100

127 41.5 33.4 50.2

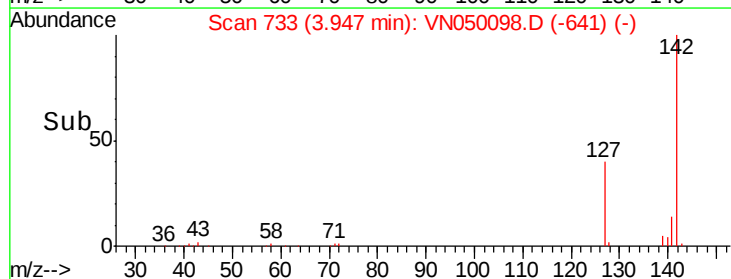
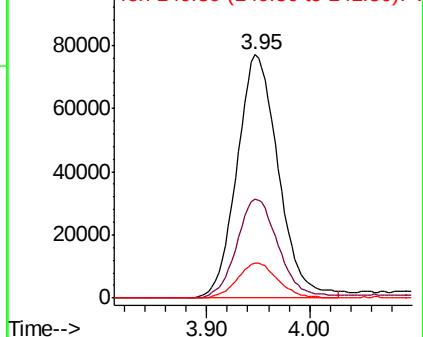
141 14.0 11.6 17.4

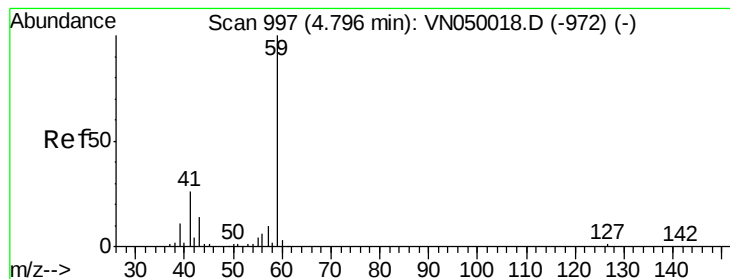


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 249.19 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampled :

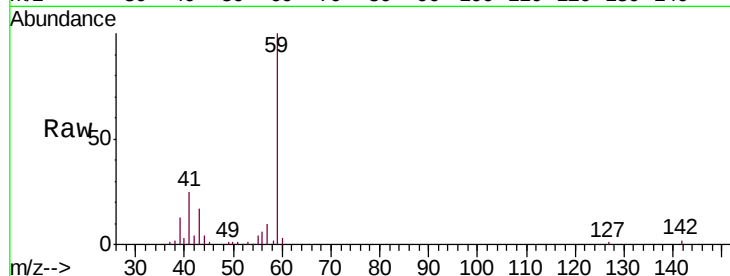
VSTDCCC050

Tot Ion: 59 Resp: 172728

Ion Ratio Lower Upper

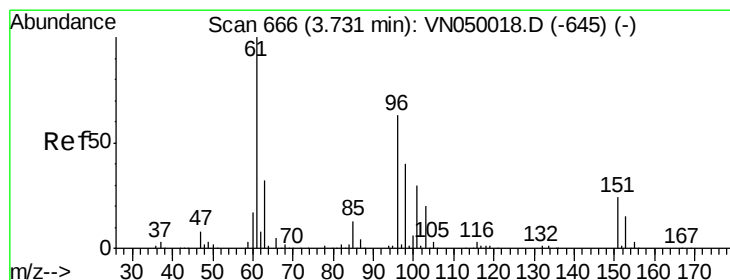
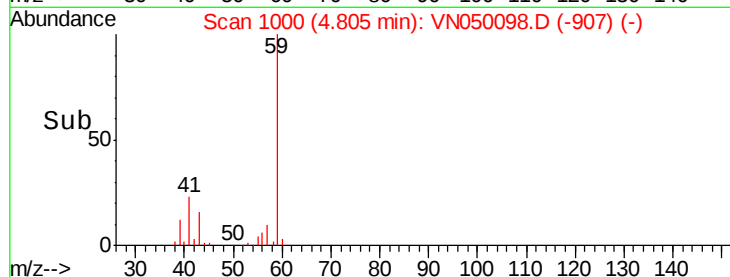
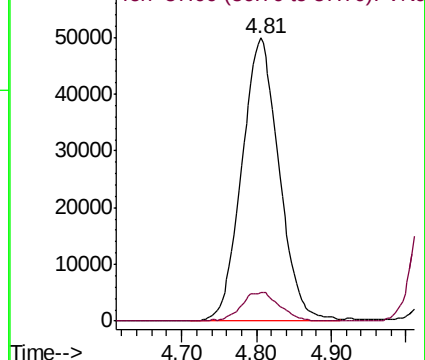
59 100

57 10.4 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 45.89 ug/l

RT: 3.73 min Scan# 666

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

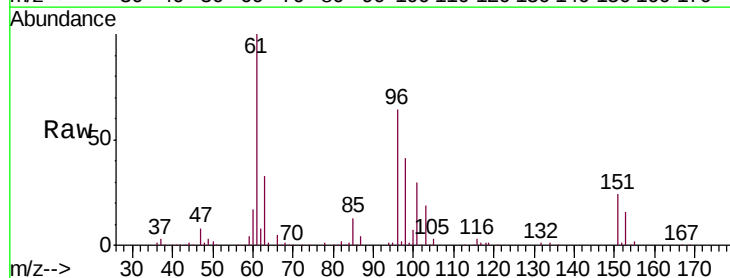
Tgt Ion: 96 Resp: 357103

Ion Ratio Lower Upper

96 100

61 156.9 124.4 186.6

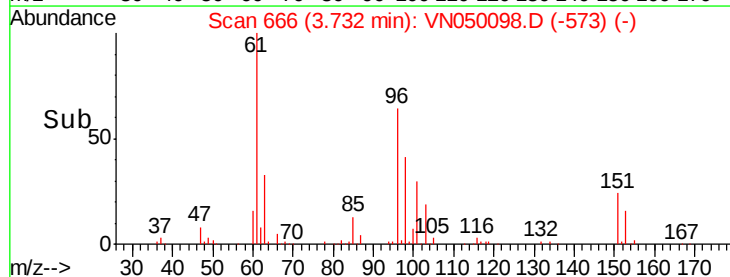
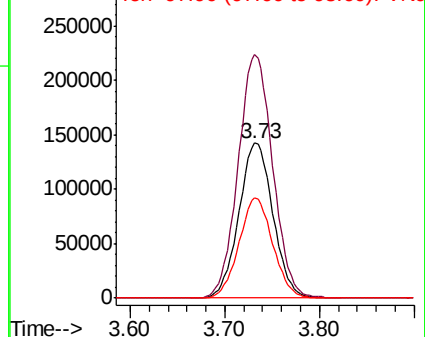
98 64.8 48.3 72.5

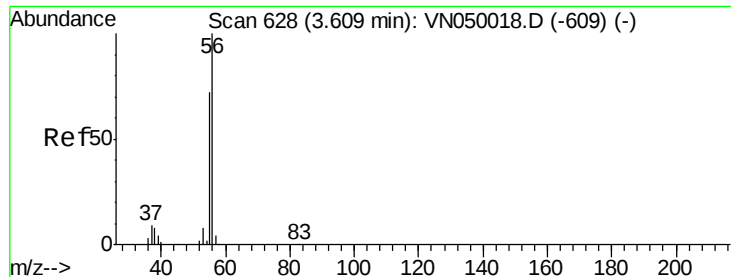


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 133.00 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

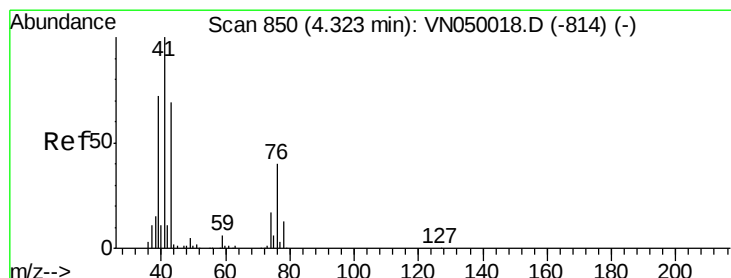
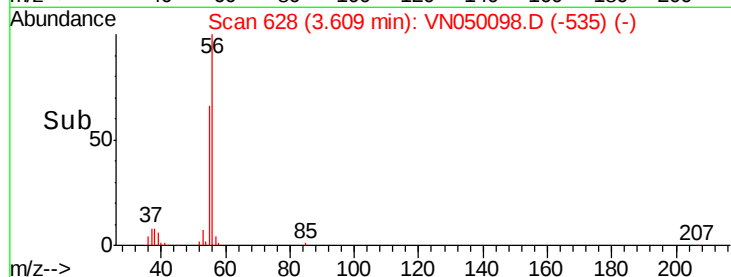
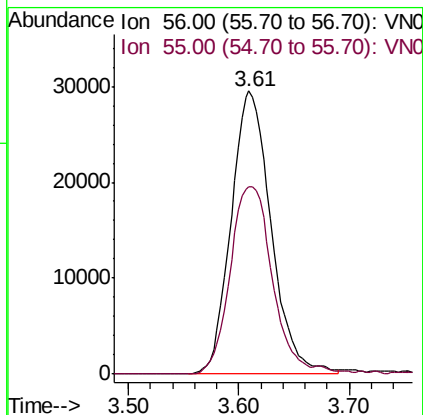
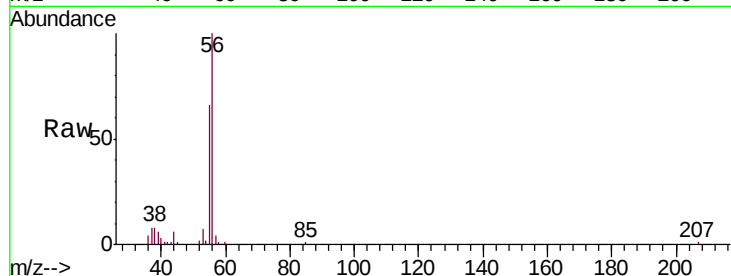
VSTDCCC050

Tot Ion: 56 Resp: 74073

Ion Ratio Lower Upper

56 100

55 69.3 55.8 83.6



#14

Allyl chloride

Concen: 47.96 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

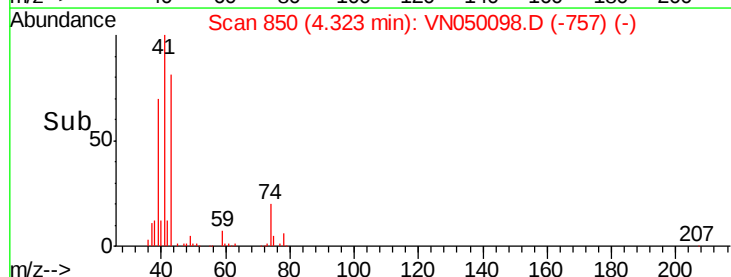
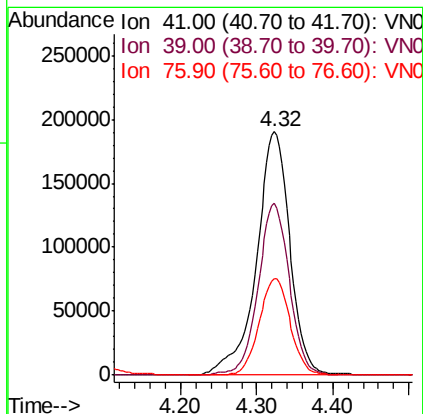
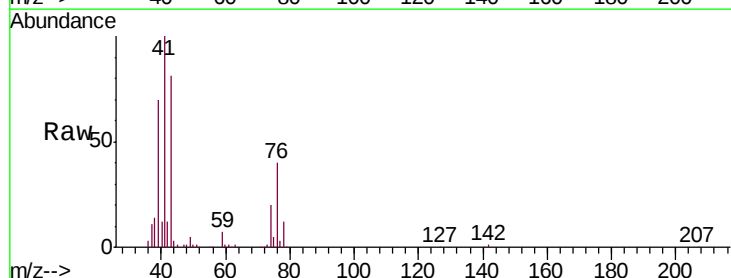
Tgt Ion: 41 Resp: 578695

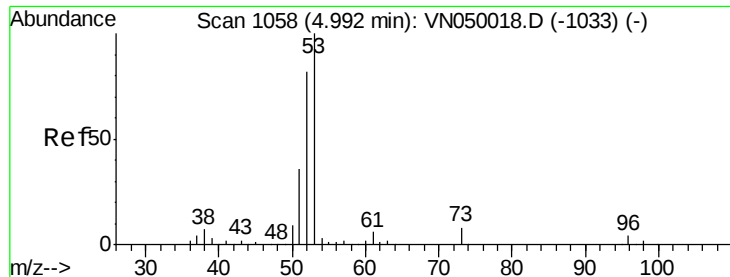
Ion Ratio Lower Upper

41 100

39 66.1 54.2 81.4

76 36.5 29.0 43.6





#15

Acrylonitrile

Concen: 246.41 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

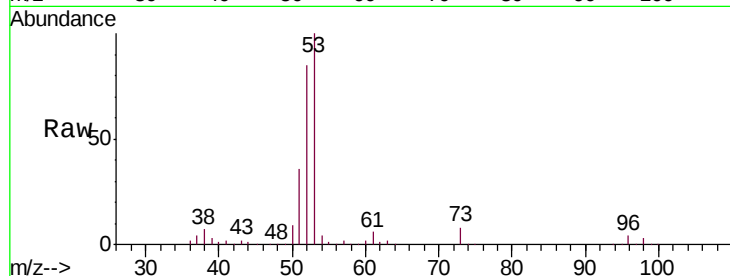
Tot Ion: 53 Resp: 745187

Ion Ratio Lower Upper

53 100

52 82.8 66.2 99.2

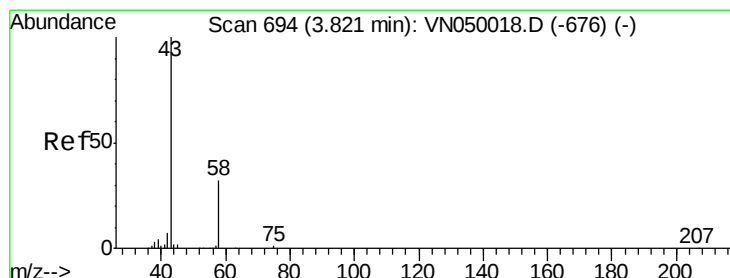
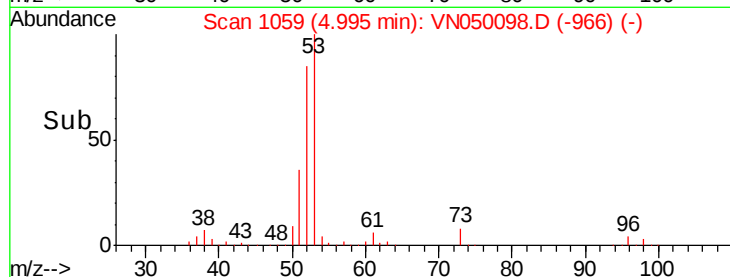
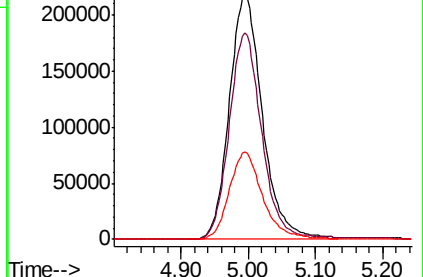
51 36.3 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN050018.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN050018.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN050018.D (-1033) (-)



#16

Acetone

Concen: 244.76 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050098.D

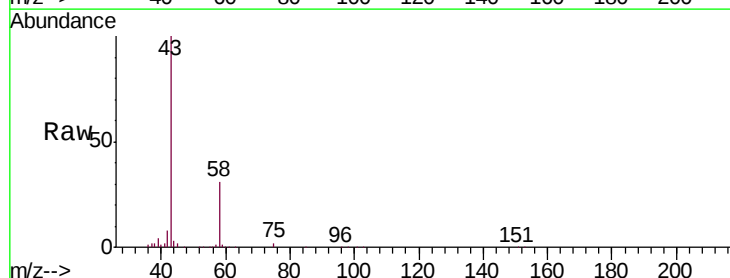
Acq: 26 Jul 2018 22:16

Tgt Ion: 43 Resp: 543341

Ion Ratio Lower Upper

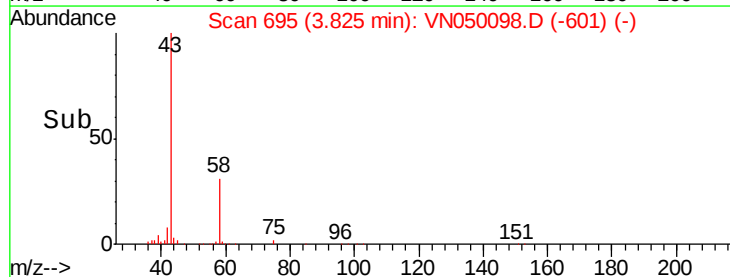
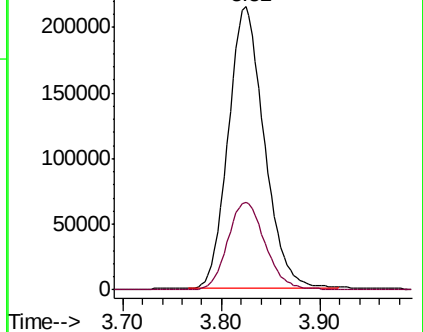
43 100

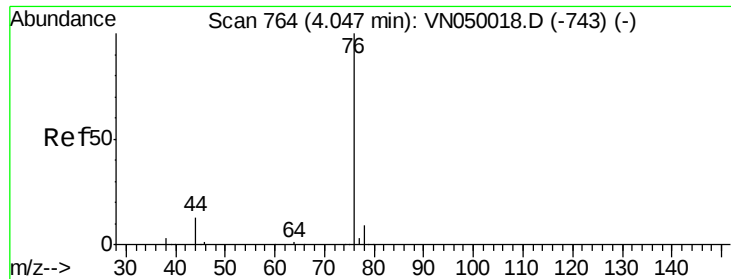
58 30.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-676) (-)

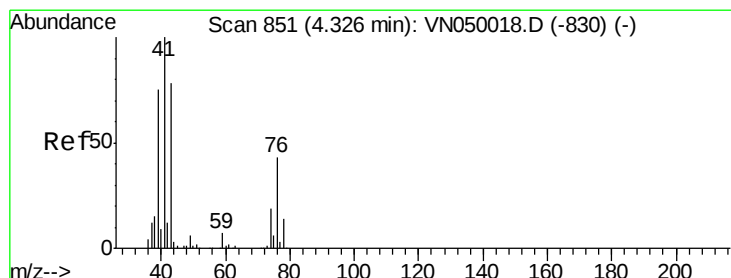
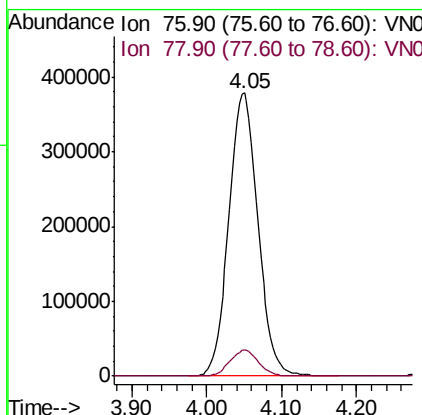
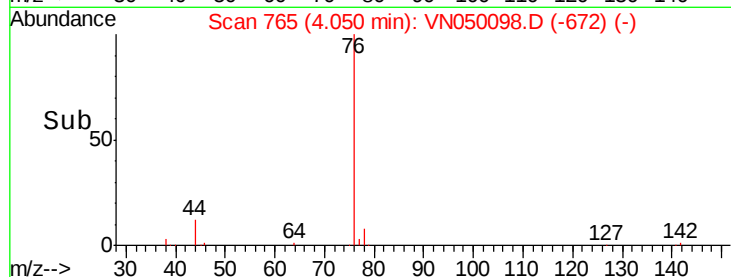
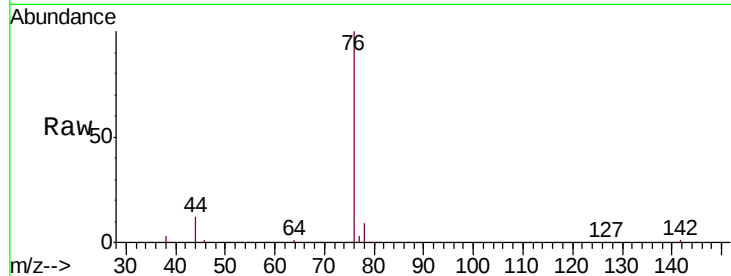




#17
Carbon Disulfide
Concen: 43.03 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

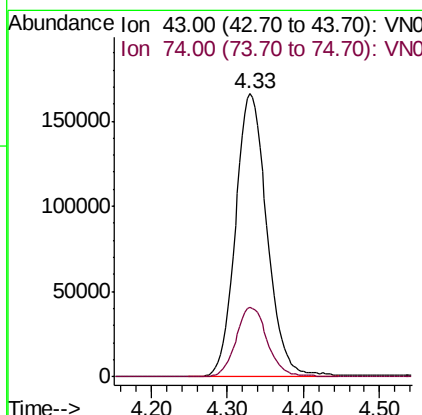
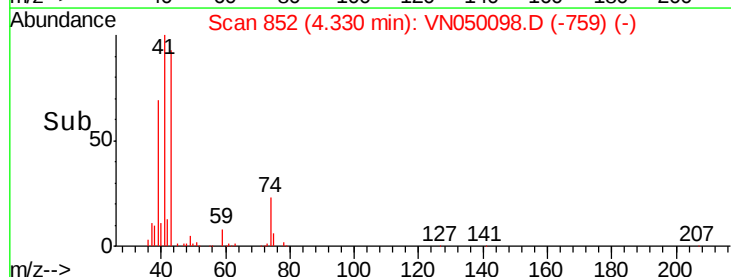
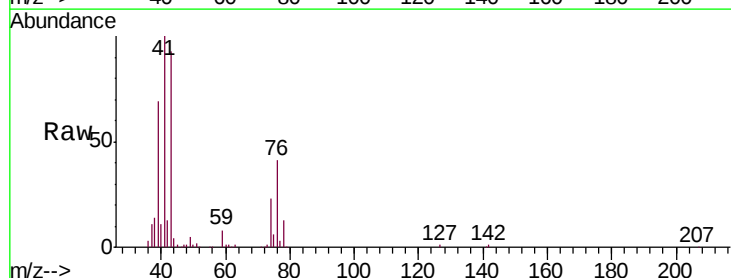
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

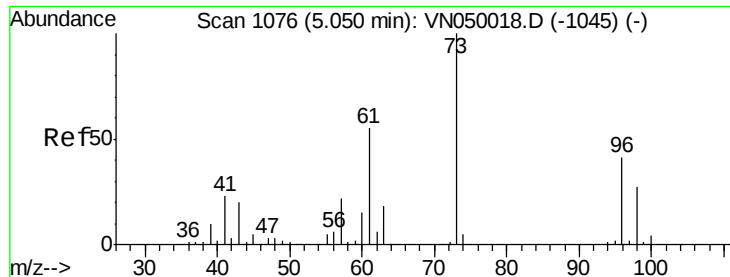
Tot Ion: 76 Resp: 1025948
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 55.28 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 43 Resp: 475605
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8

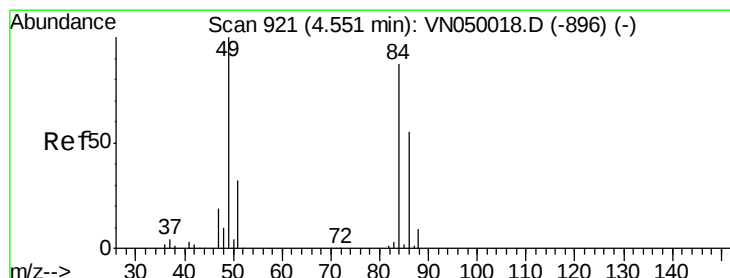
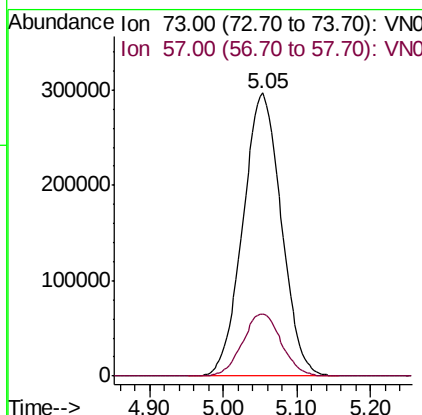
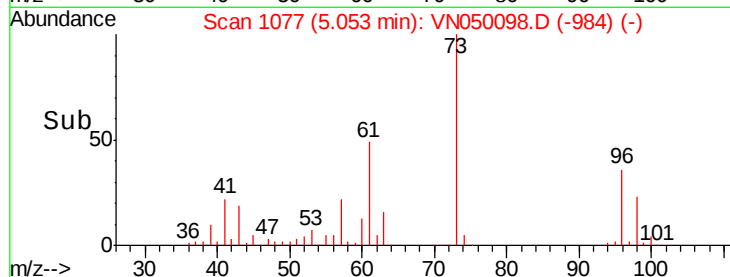
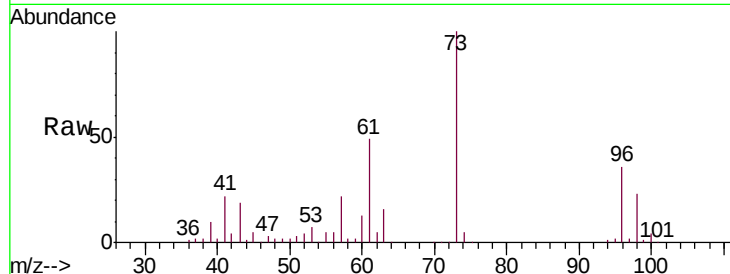




#19
Methyl tert-butyl Ether
Concen: 51.95 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

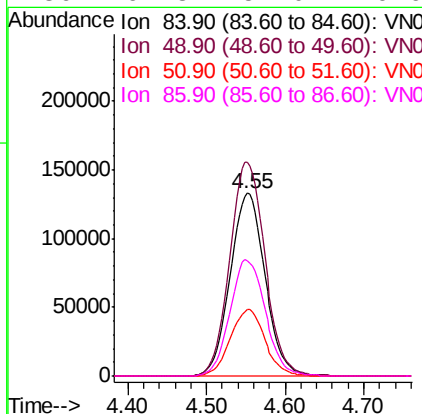
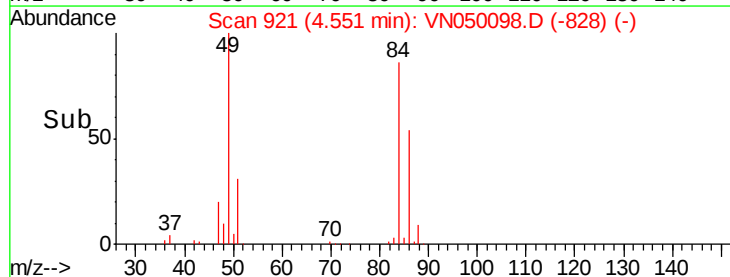
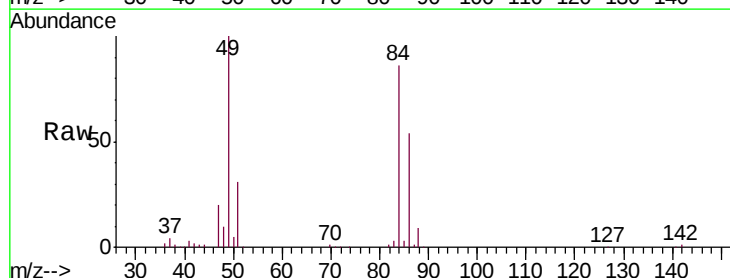
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

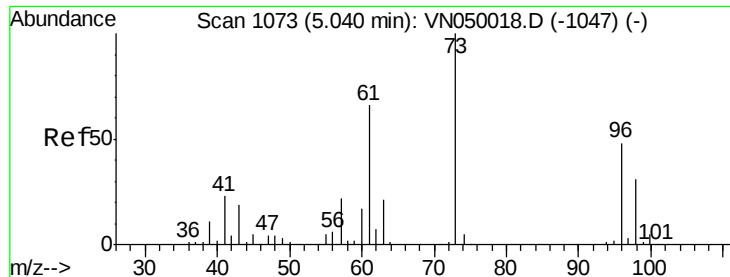
Tot Ion: 73 Resp: 1077391
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0



#20
Methylene Chloride
Concen: 49.32 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 84 Resp: 412068
Ion Ratio Lower Upper
84 100
49 116.8 94.8 142.2
51 36.3 28.3 42.5
86 62.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 46.60 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

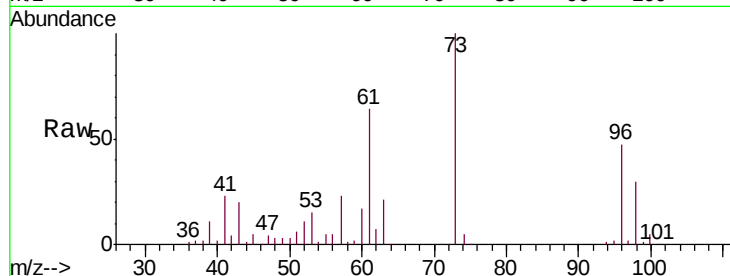
Tot Ion: 96 Resp: 384314

Ion Ratio Lower Upper

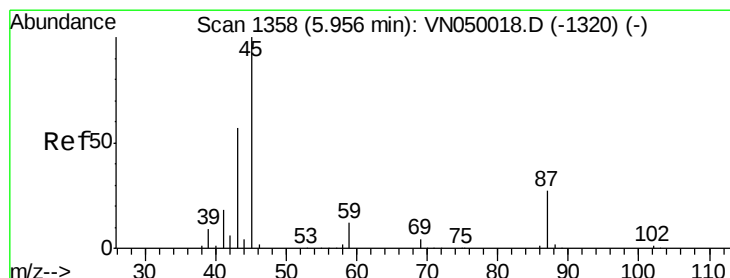
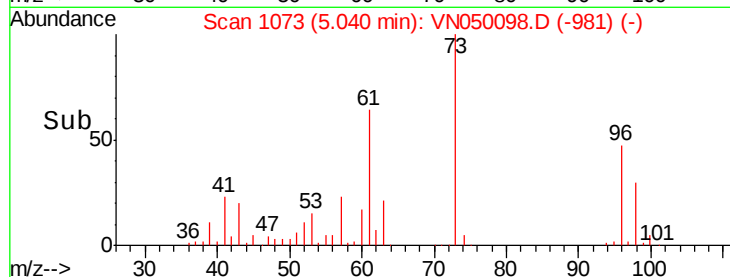
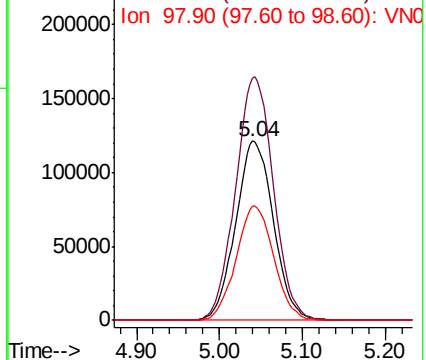
96 100

61 135.7 110.7 166.1

98 63.7 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: 51.63 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion: 45 Resp: 1235280

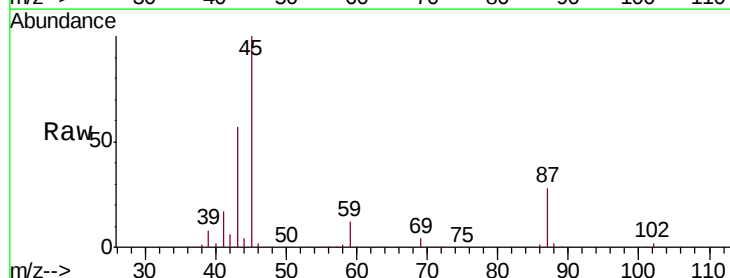
Ion Ratio Lower Upper

45 100

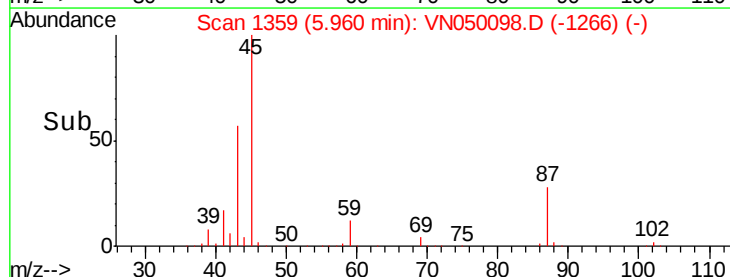
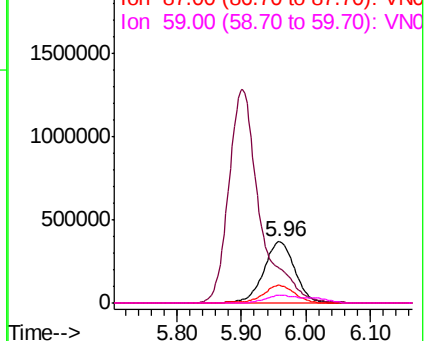
43 56.7 45.7 68.5

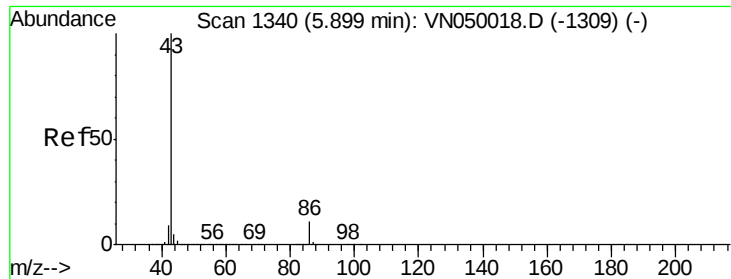
87 28.3 22.7 34.1

59 12.1 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: 255.50 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

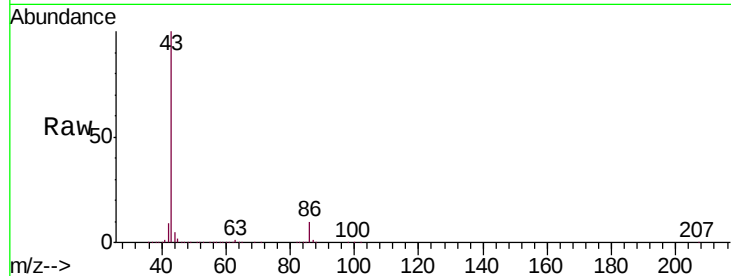
VSTDCCC050

Tot Ion: 43 Resp: 4320200

Ion Ratio Lower Upper

43 100

86 10.5 8.6 13.0



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

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

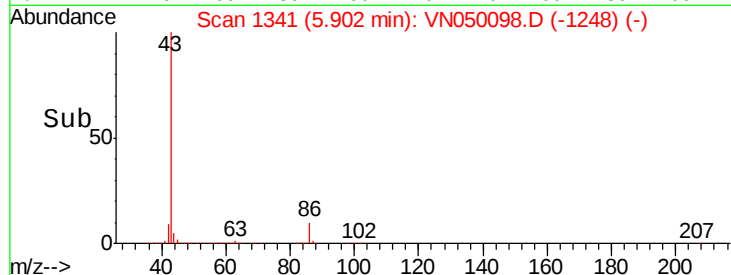
1500000

1000000

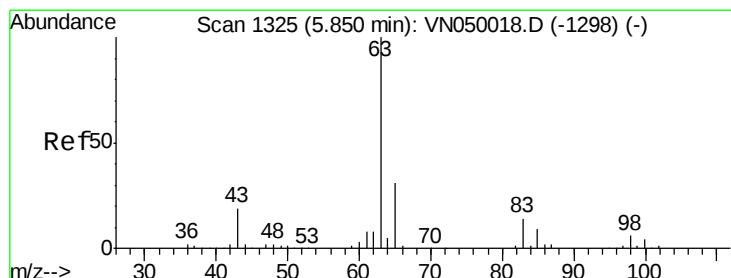
500000

0

5.70 5.80 5.90 6.00 6.10



Time-->



#24

1,1-Dichloroethane

Concen: 46.73 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

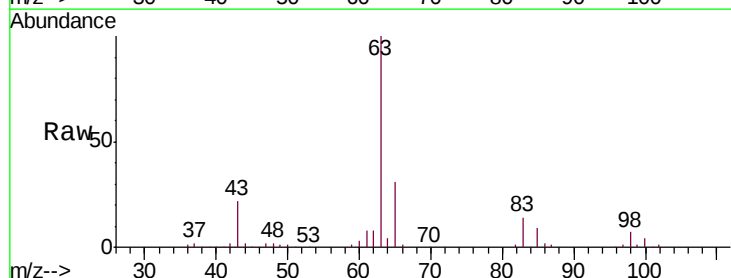
Tgt Ion: 63 Resp: 731108

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.4 2.1 6.3



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

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

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

300000

250000

200000

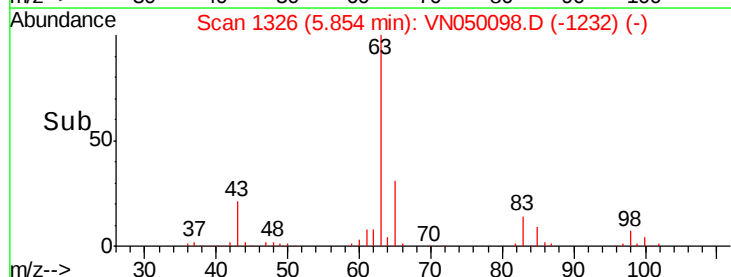
150000

100000

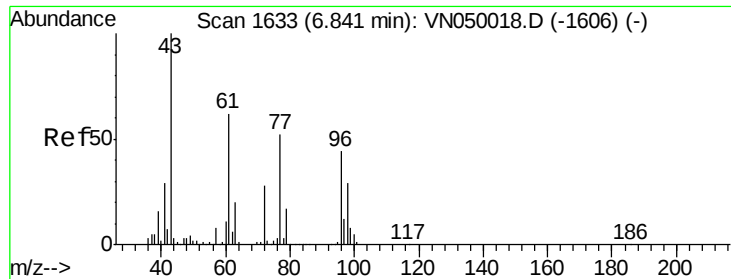
50000

0

5.70 5.80 5.90 6.00



Time-->



#25

2-Butanone

Concen: 249.19 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

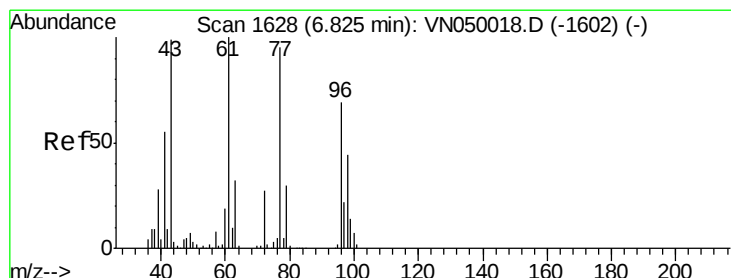
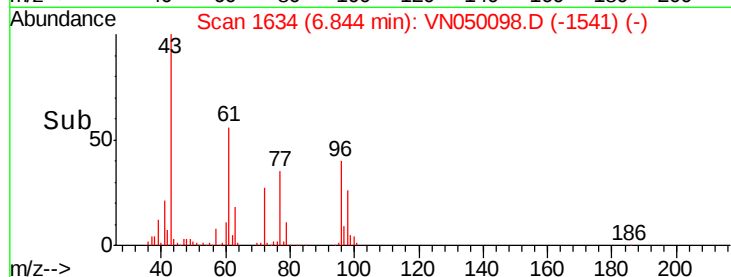
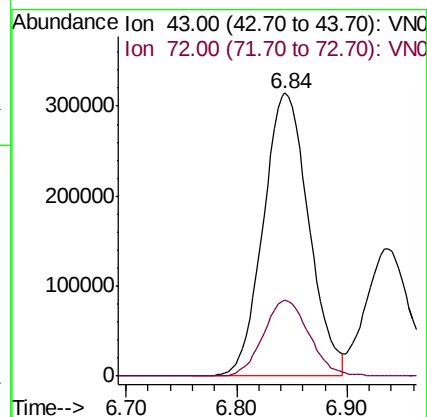
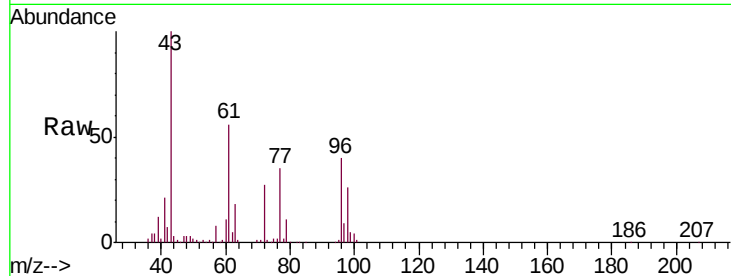
VSTDCCC050

Tot Ion: 43 Resp: 895434

Ion Ratio Lower Upper

43 100

72 26.8 21.5 32.3



#26

2,2-Dichloropropane

Concen: 39.55 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050098.D

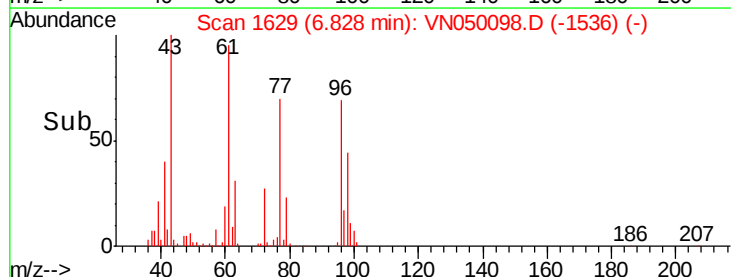
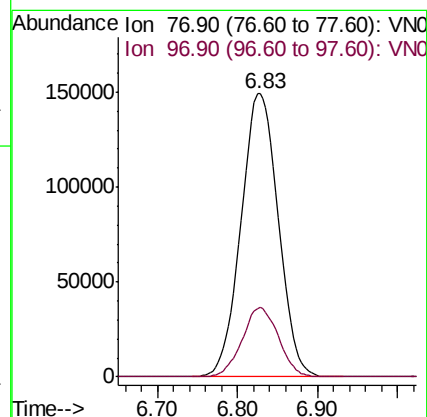
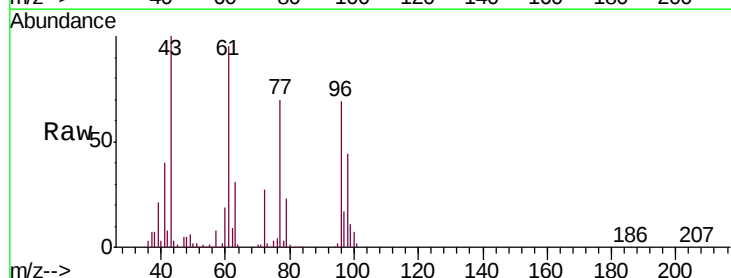
Acq: 26 Jul 2018 22:16

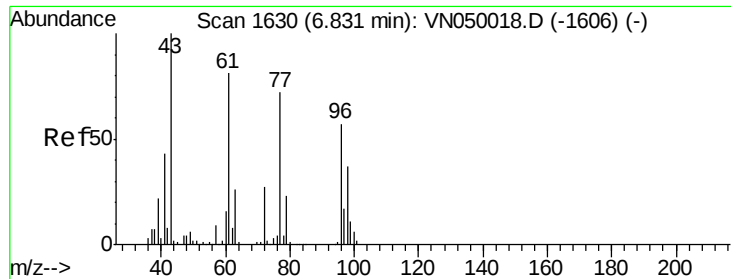
Tgt Ion: 77 Resp: 470778

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.29 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

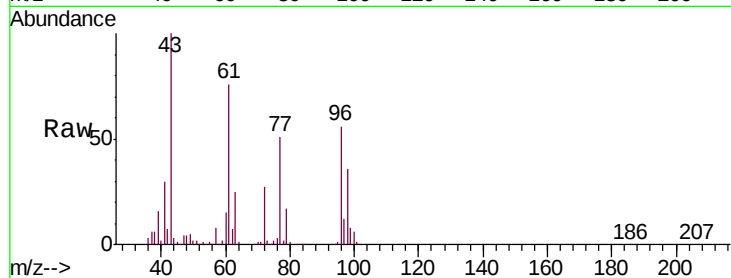
Tot Ion: 96 Resp: 437508

Ion Ratio Lower Upper

96 100

61 139.2 0.0 285.0

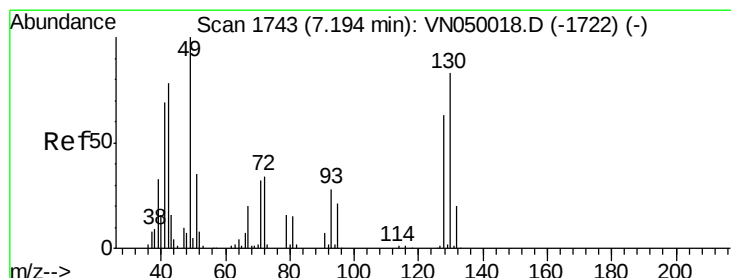
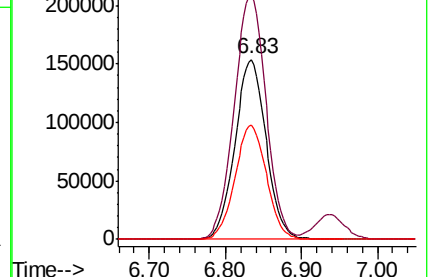
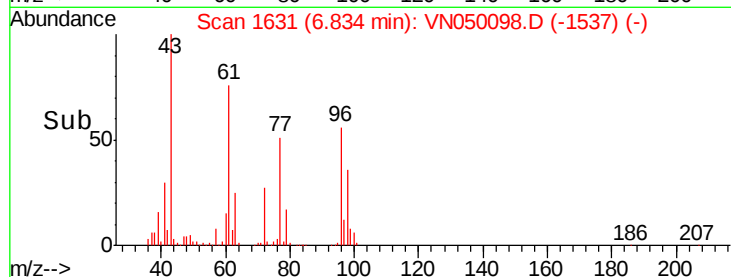
98 64.4 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN050098.D (-1537) (-)

Ion 60.90 (60.60 to 61.60): VN050098.D (-1537) (-)

Ion 97.90 (97.60 to 98.60): VN050098.D (-1537) (-)



#28

Bromochloromethane

Concen: 48.44 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

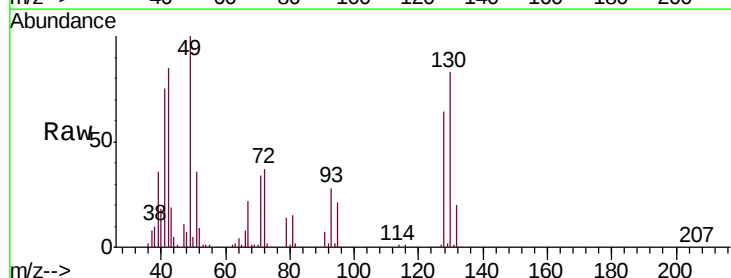
Tgt Ion: 49 Resp: 345714

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

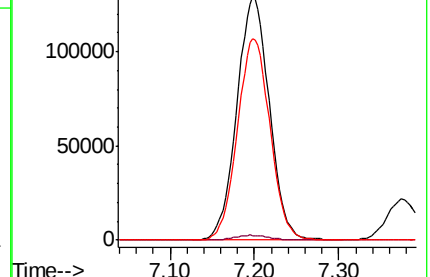
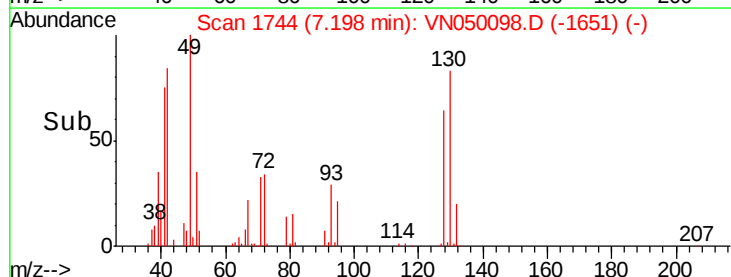
130 83.3 66.3 99.5

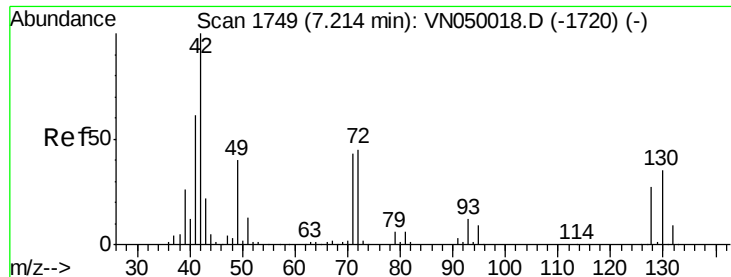


Abundance Ion 48.90 (48.60 to 49.60): VN050098.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN050098.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN050098.D (-1651) (-)

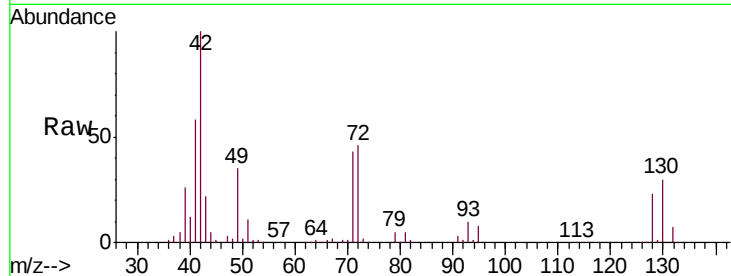




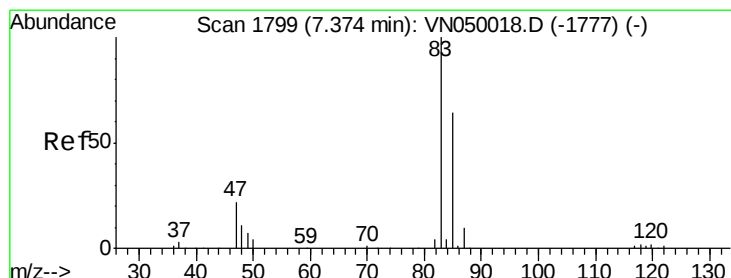
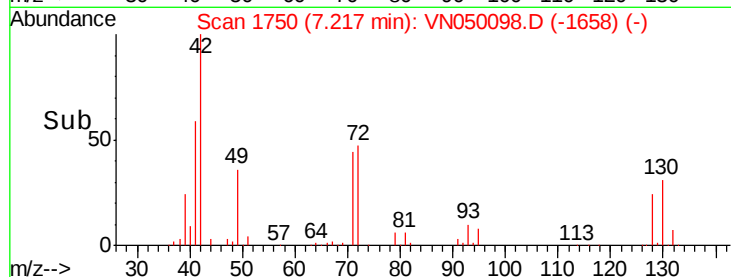
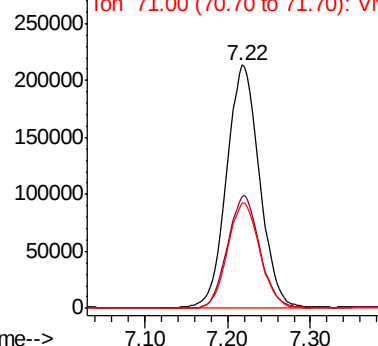
#29
Tetrahydrofuran
Concen: 254.01 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 42 Resp: 589804
Ion Ratio Lower Upper
42 100
72 45.5 35.9 53.9
71 42.8 33.7 50.5

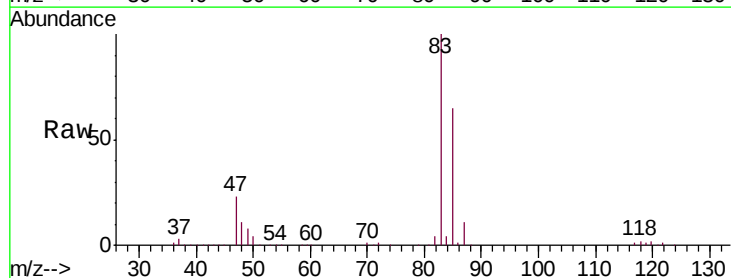


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

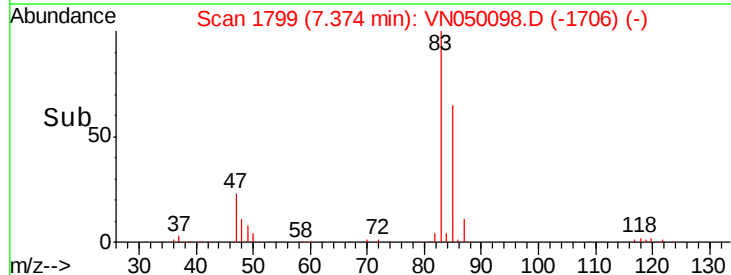
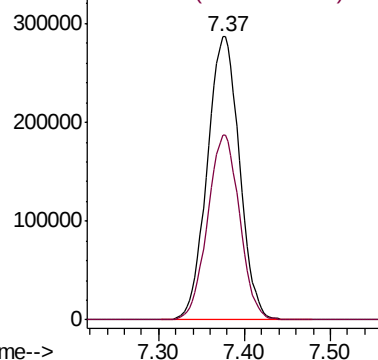


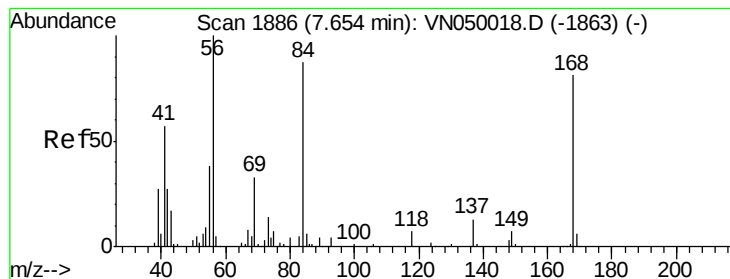
#30
Chloroform
Concen: 46.74 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 83 Resp: 746229
Ion Ratio Lower Upper
83 100
85 65.1 52.5 78.7



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





#31

Cyclohexane

Concen: 47.79 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

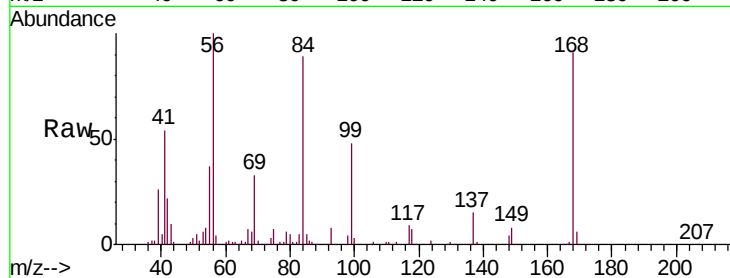
Tot Ion: 56 Resp: 620184

Ion Ratio Lower Upper

56 100

69 32.7 26.2 39.4

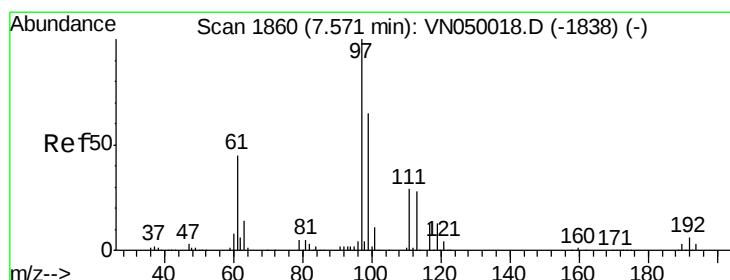
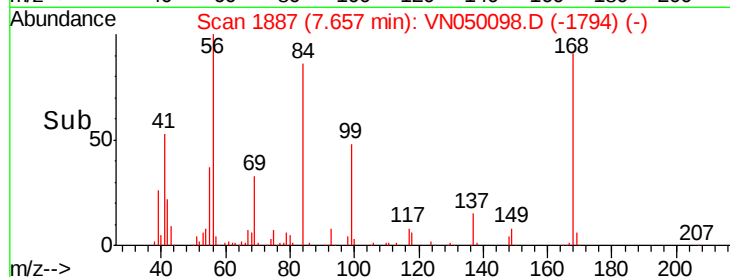
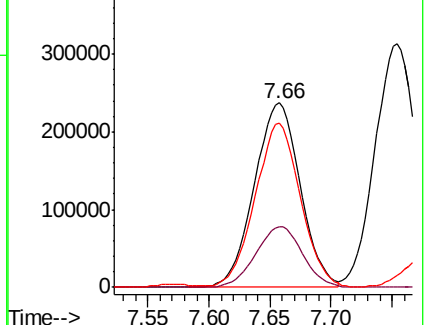
84 87.6 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN050018.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN050018.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN050018.D (-1863) (-)



#32

1,1,1-Trichloroethane

Concen: 46.83 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

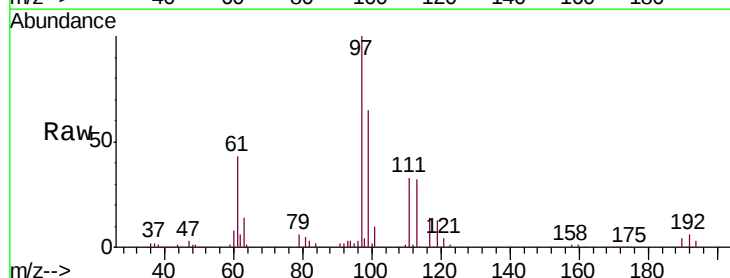
Tgt Ion: 97 Resp: 639583

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

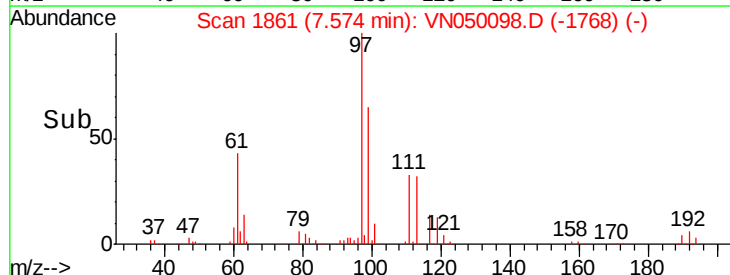
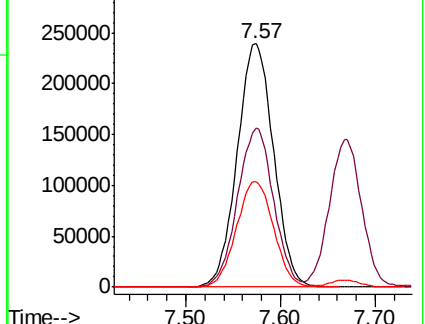
61 44.3 35.4 53.0

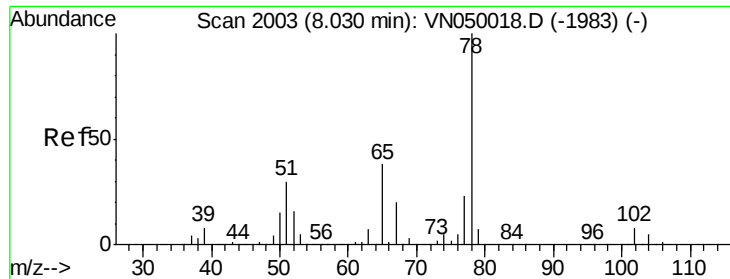


Abundance Ion 96.90 (96.60 to 97.60): VN050018.D (-1838) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1838) (-)

Ion 60.90 (60.60 to 61.60): VN050018.D (-1838) (-)





#33

1,2-Dichloroethane-d4

Concen: 48.12 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

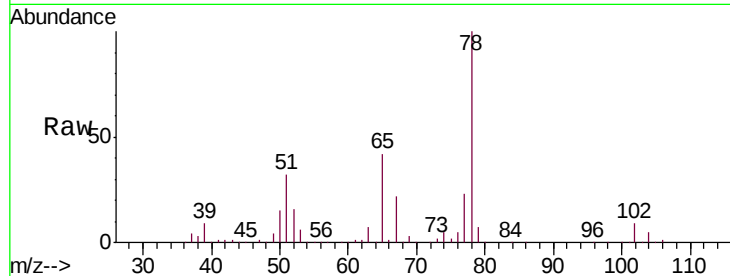
VSTDCCC050

Tot Ion: 65 Resp: 453310

Ion Ratio Lower Upper

65 100

67 54.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

200000

150000

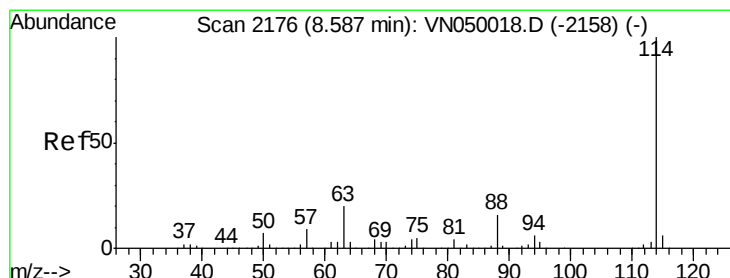
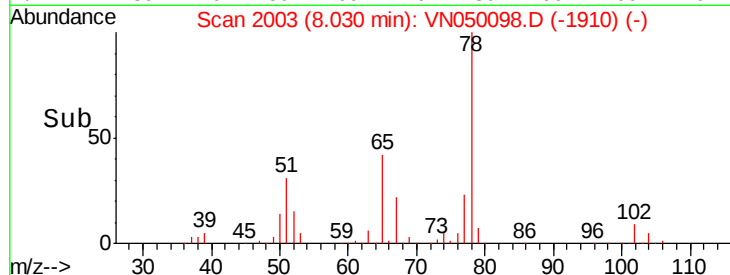
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

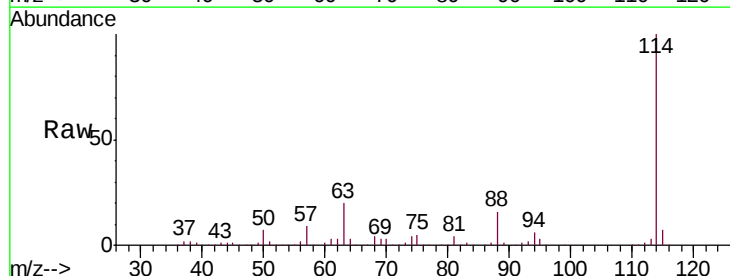
Tgt Ion: 114 Resp: 1021547

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

8.59

600000

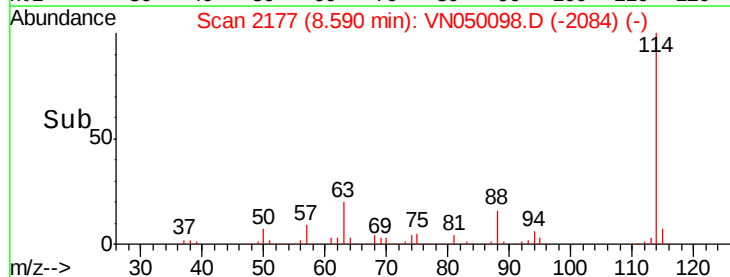
400000

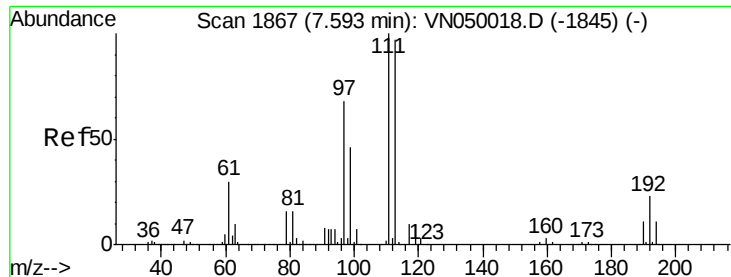
200000

0

8.50 8.60 8.70

Time-->

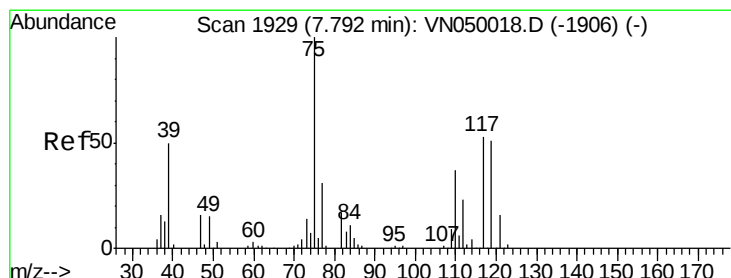
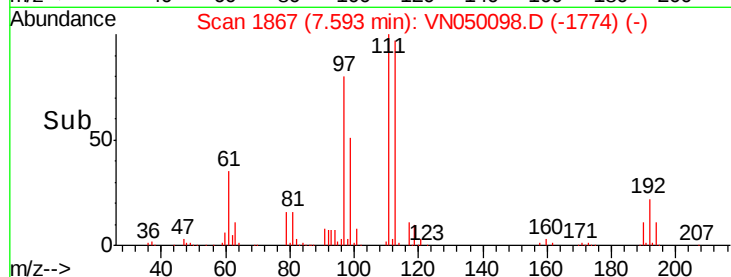
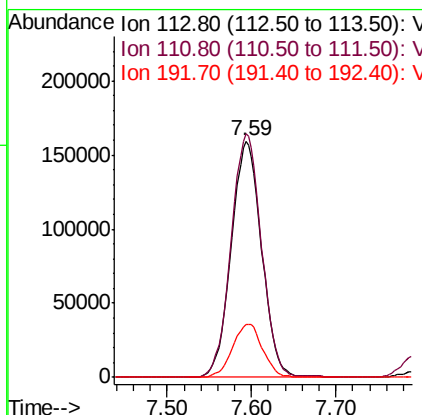
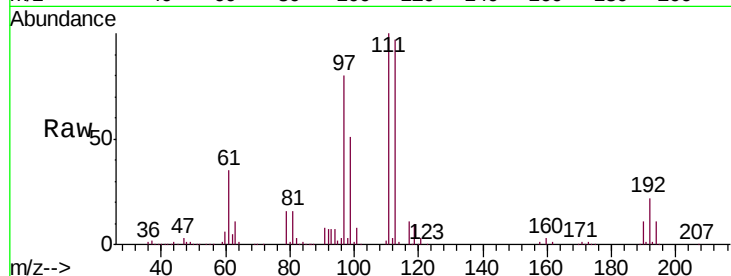




#35
 Dibromofluoromethane
 Concen: 47.91 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

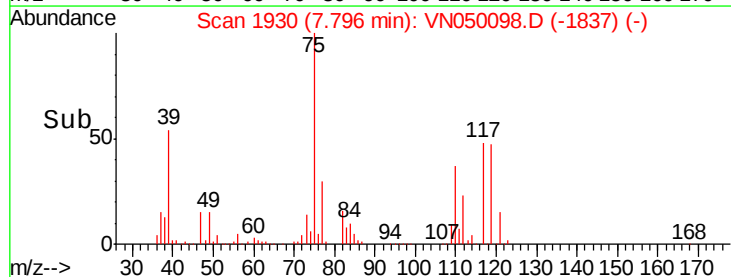
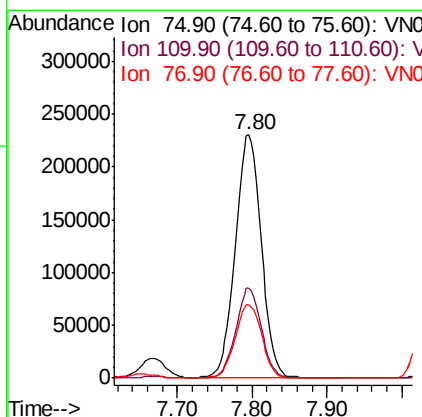
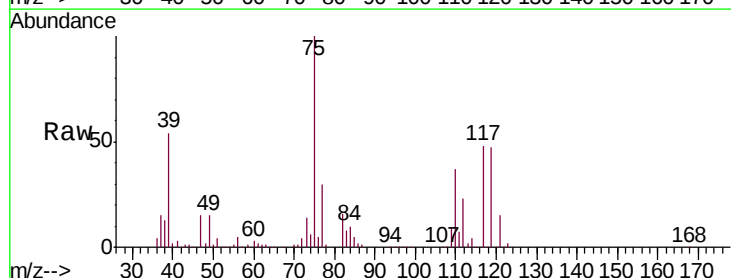
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

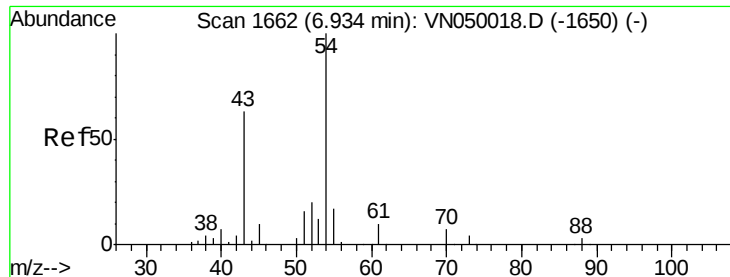
Tot Ion:113 Resp: 399569
 Ion Ratio Lower Upper
 113 100
 111 103.5 80.7 121.1
 192 22.4 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 48.51 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Tgt Ion: 75 Resp: 558282
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.4 55.2
 77 30.9 25.3 37.9

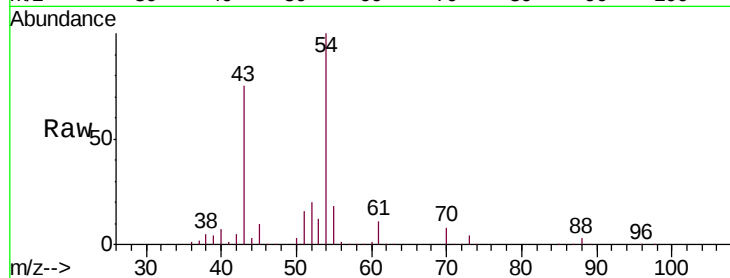




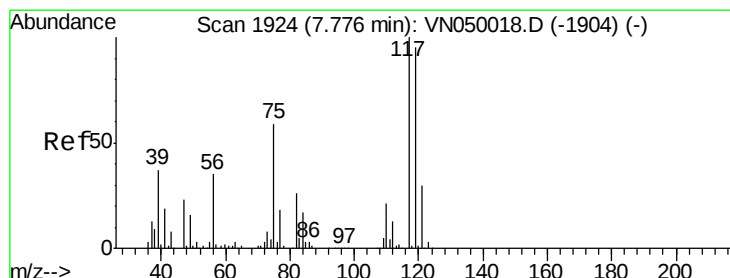
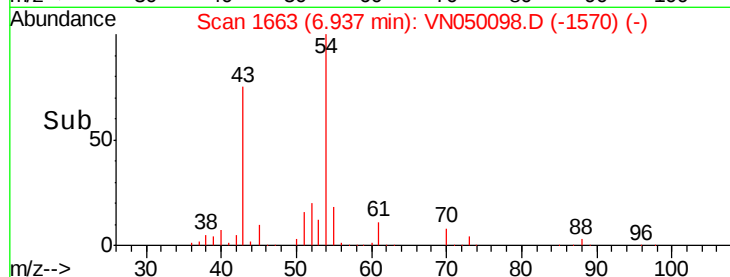
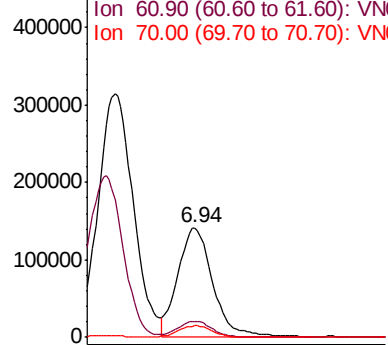
#37
Ethyl Acetate
Concen: 49.49 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 397128
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.8
70 10.4 8.4 12.6

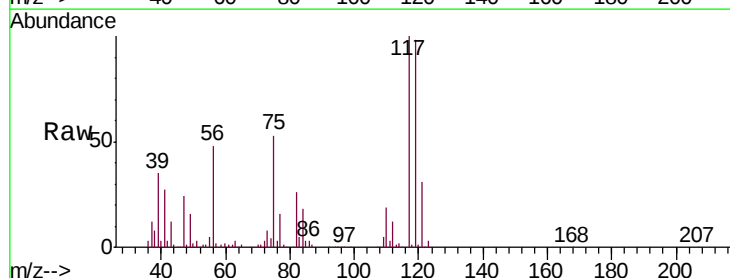


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

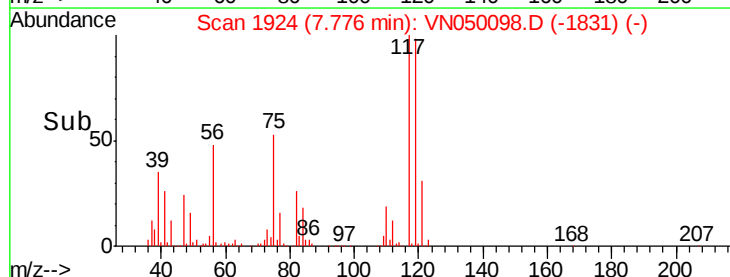
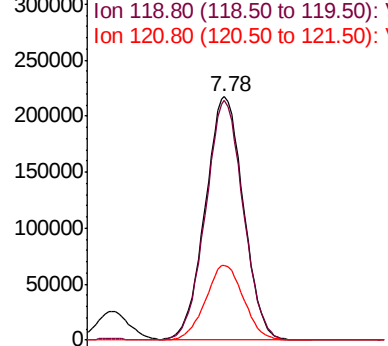


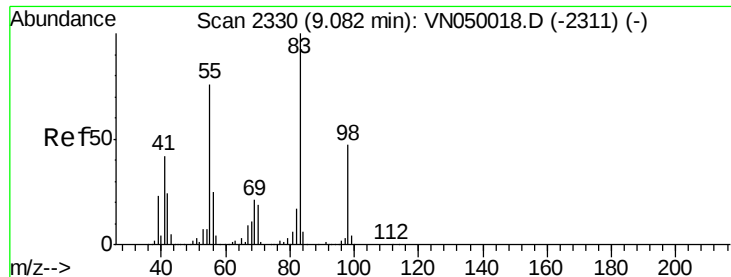
#38
Carbon Tetrachloride
Concen: 45.73 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 117 Resp: 558514
Ion Ratio Lower Upper
117 100
119 98.3 77.4 116.0
121 30.8 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

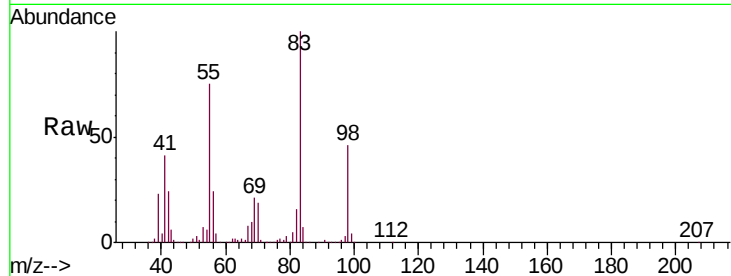




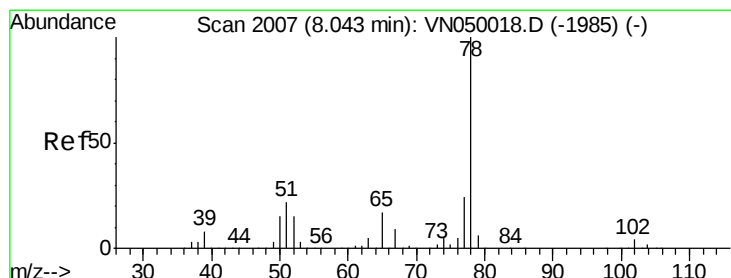
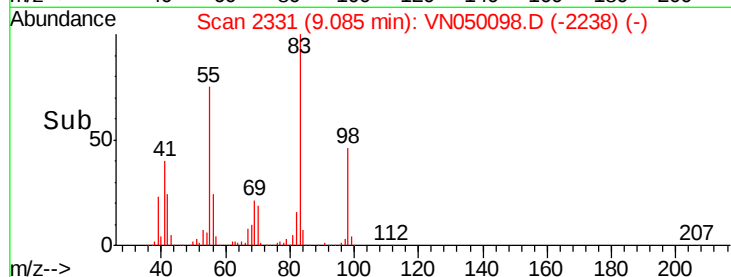
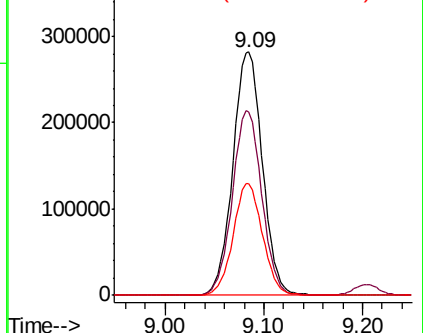
#39
Methvlcvclohexane
Concen: 49.51 ug/l
RT: 9.09 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 586177
Ion Ratio Lower Upper
83 100
55 75.5 61.8 92.8
98 45.8 36.5 54.7

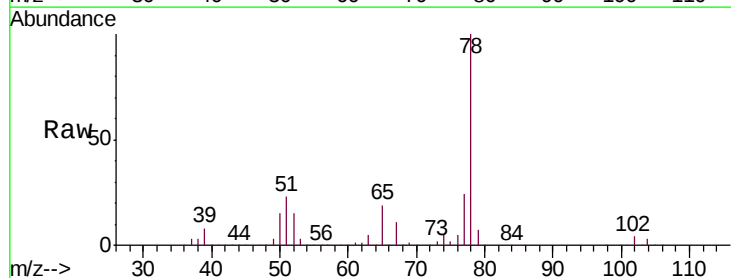


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

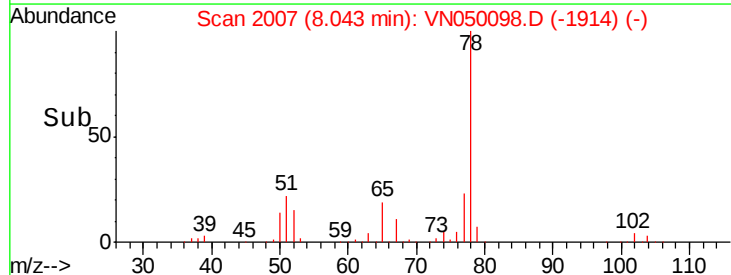
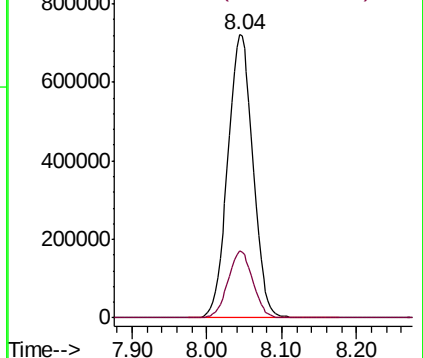


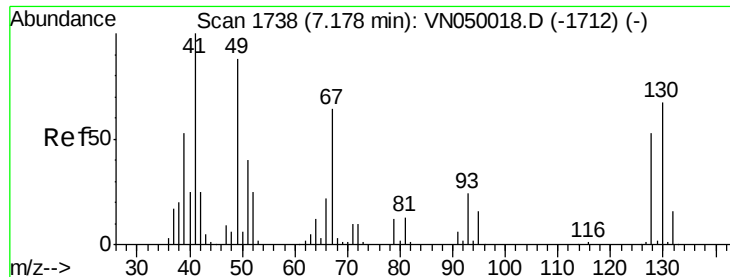
#40
Benzene
Concen: 48.06 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 78 Resp: 1683034
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

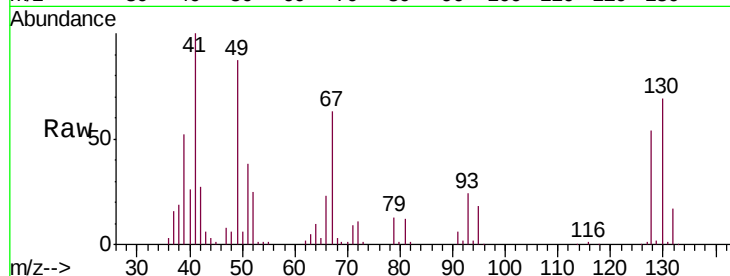




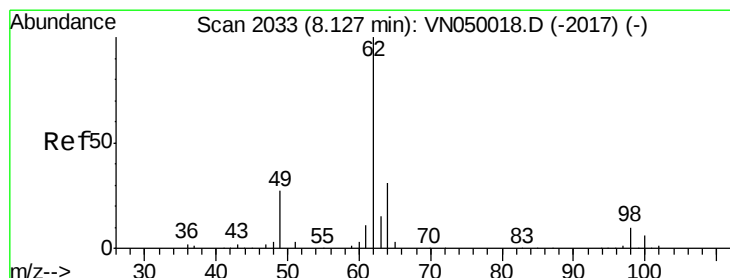
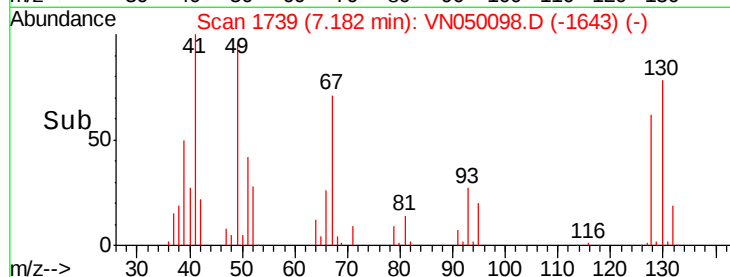
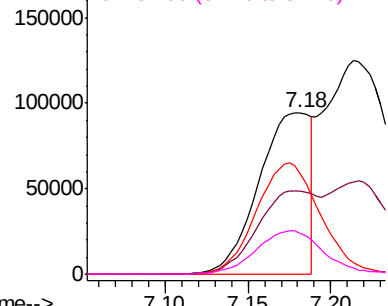
#41
Methacrylonitrile
Concen: 49.24 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 205585
Ion Ratio Lower Upper
41 100
39 60.7 55.8 83.6
67 85.6 84.3 126.5
52 34.1 34.2 51.2#

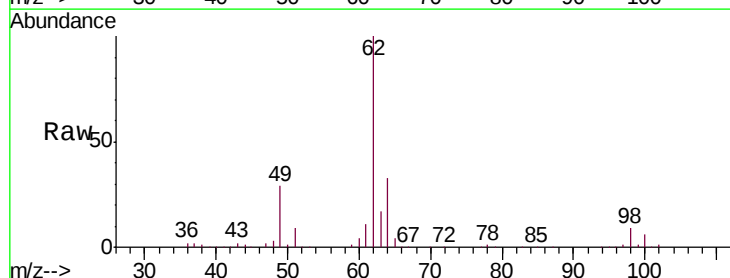


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

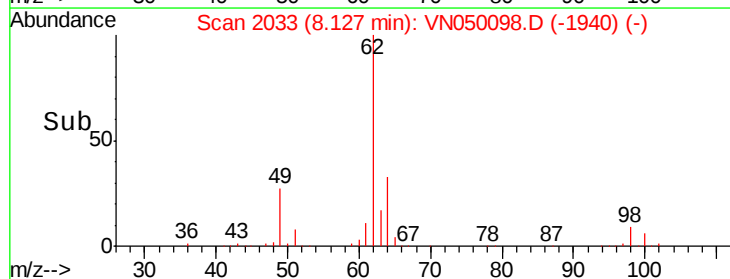
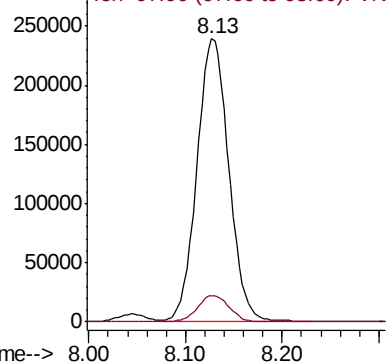


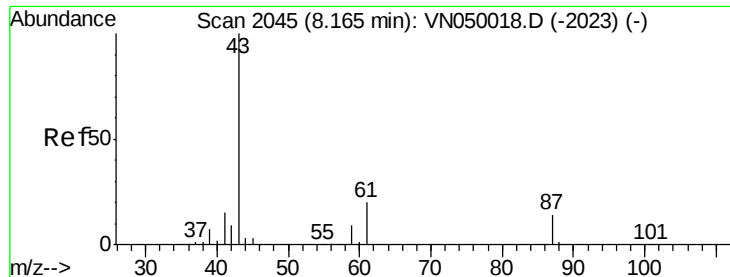
#42
1,2-Dichloroethane
Concen: 46.67 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 62 Resp: 545263
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 52.81 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

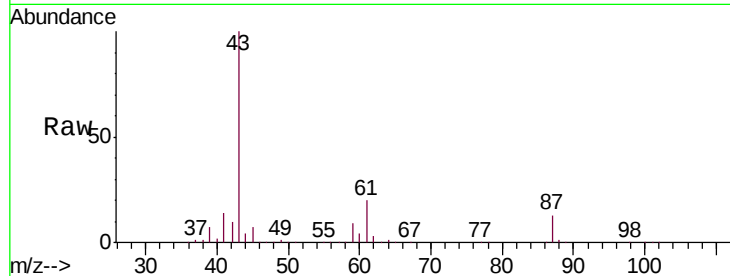
Tot Ion: 43 Resp: 797615

Ion Ratio Lower Upper

43 100

61 25.0 15.8 23.6#

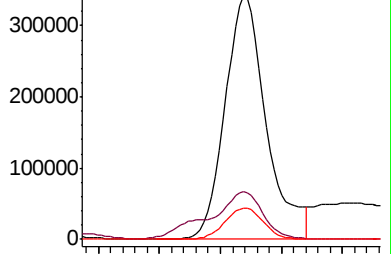
87 12.1 10.3 15.5



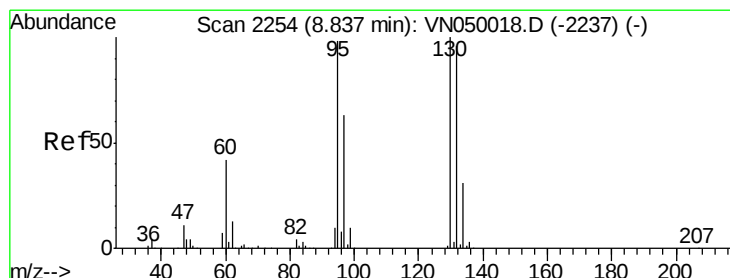
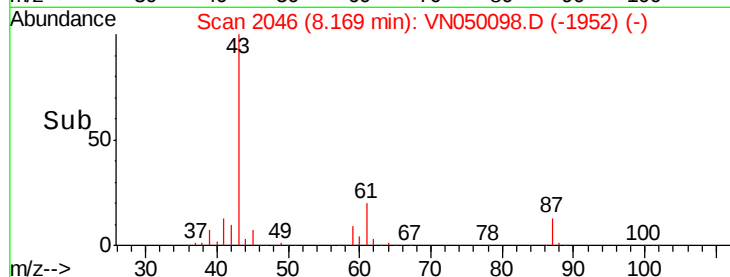
Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

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

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



Time-->



#44

Trichloroethene

Concen: 45.99 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050098.D

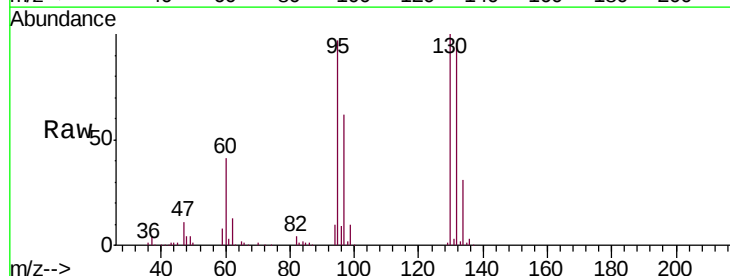
Acq: 26 Jul 2018 22:16

Tgt Ion:130 Resp: 432821

Ion Ratio Lower Upper

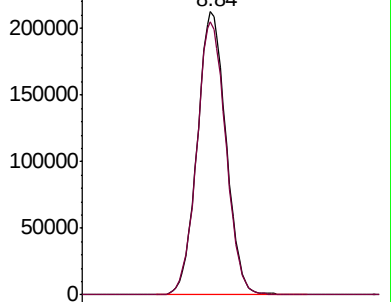
130 100

95 96.7 0.0 194.6

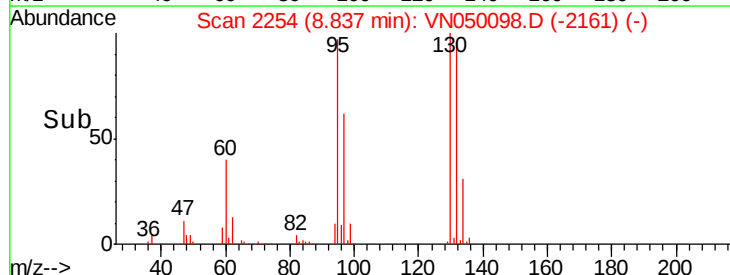


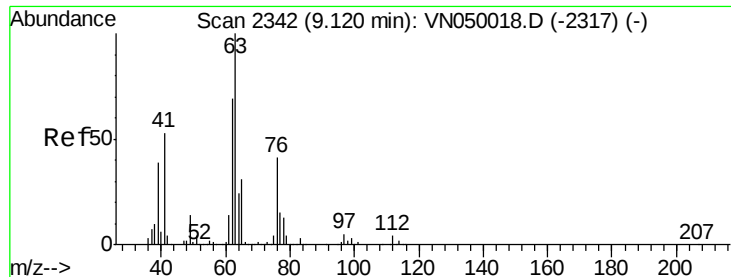
Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

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



Time-->





#45

1,2-Dichloropropane

Concen: 47.38 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

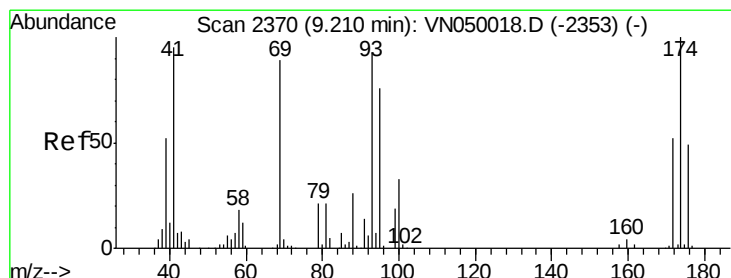
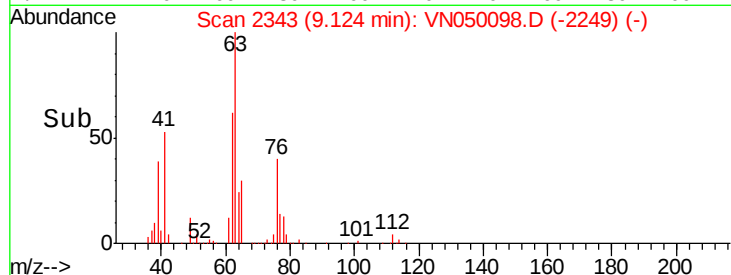
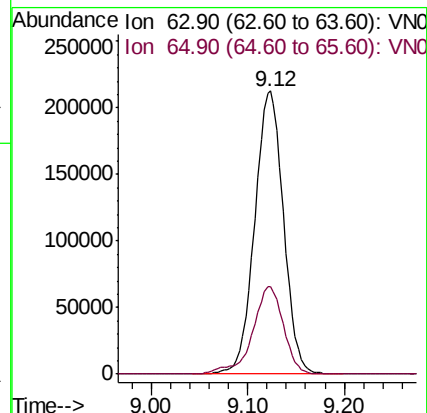
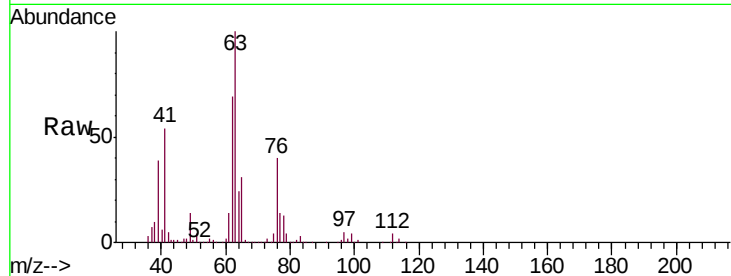
VSTDCCC050

Tot Ion: 63 Resp: 439542

Ion Ratio Lower Upper

63 100

65 31.1 25.5 38.3



#46

Dibromomethane

Concen: 47.71 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

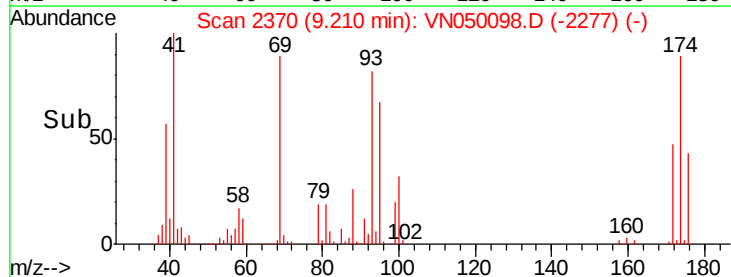
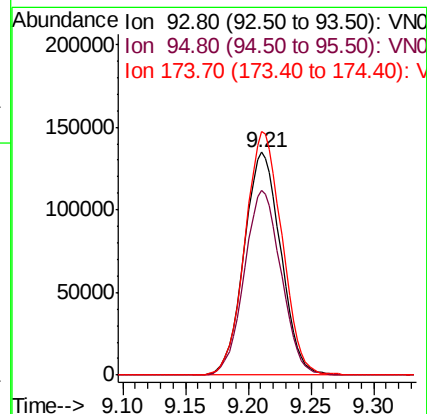
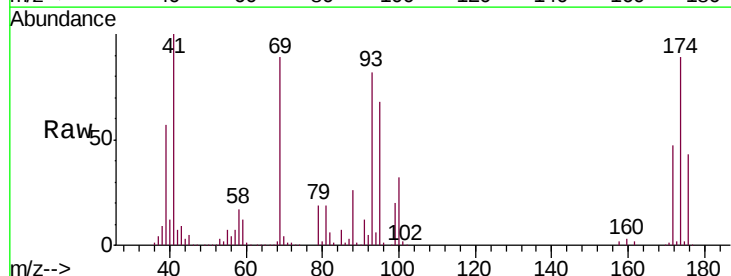
Tgt Ion: 93 Resp: 274778

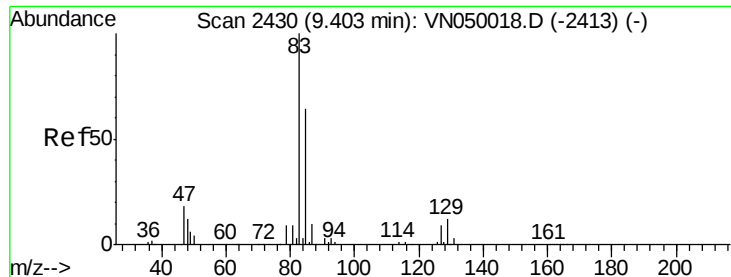
Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

174 109.8 87.1 130.7





#47

Bromodichloromethane

Concen: 47.16 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

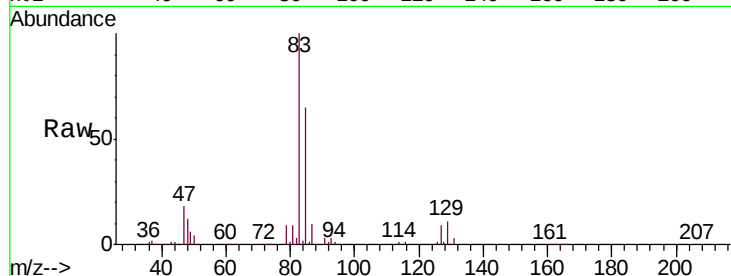
Tot Ion: 83 Resp: 573334

Ion Ratio Lower Upper

83 100

85 64.5 51.1 76.7

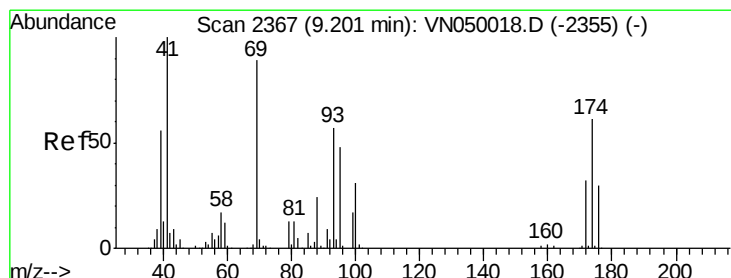
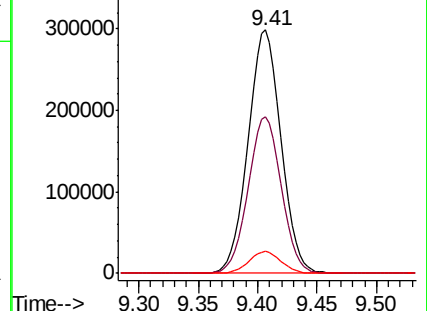
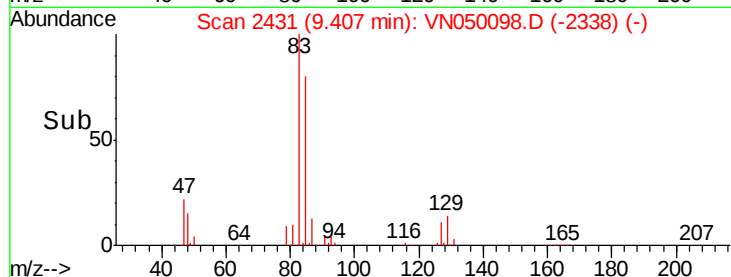
127 9.0 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 52.83 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

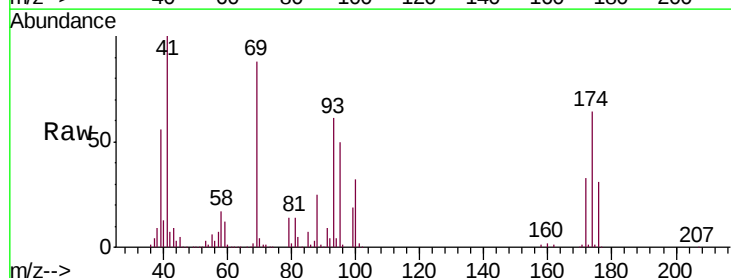
Tgt Ion: 41 Resp: 365076

Ion Ratio Lower Upper

41 100

69 88.5 70.6 105.8

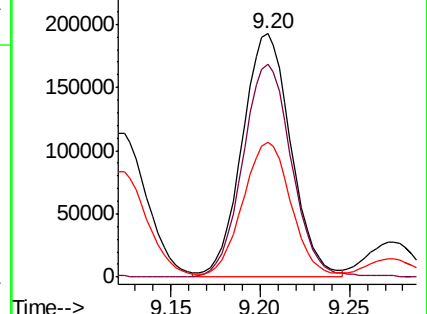
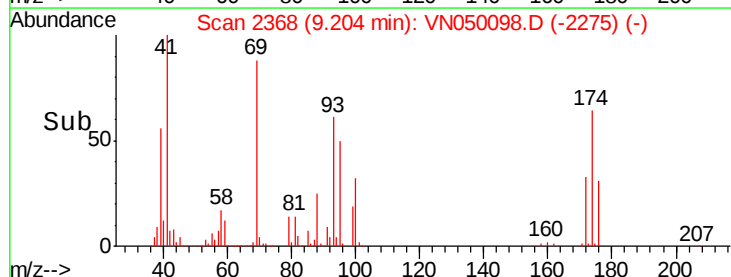
39 55.3 43.9 65.9

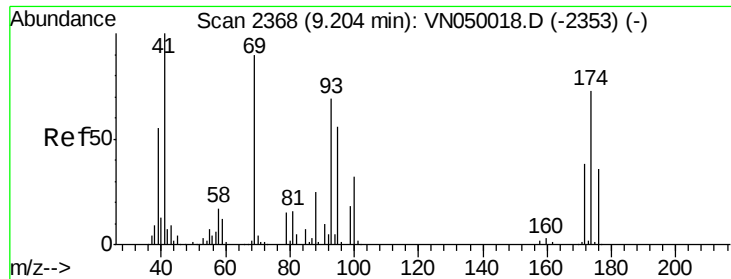


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1032.81 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

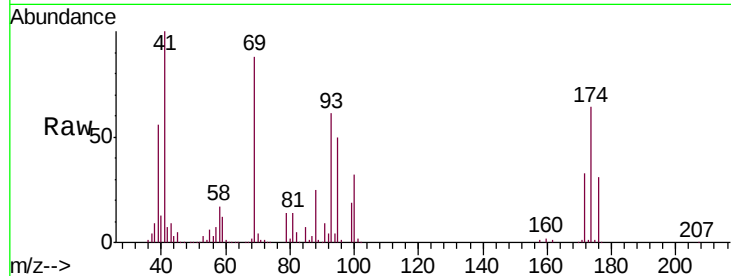
Tot Ion: 88 Resp: 97133

Ion Ratio Lower Upper

88 100

43 32.3 26.9 40.3

58 69.4 57.3 85.9

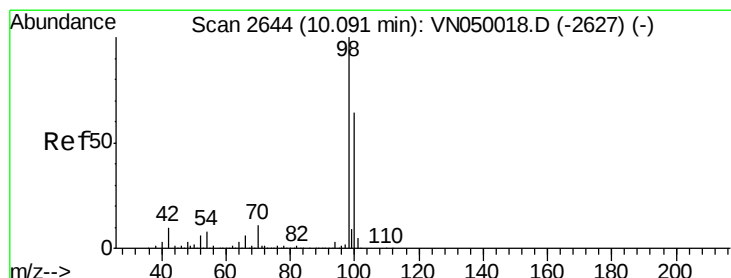
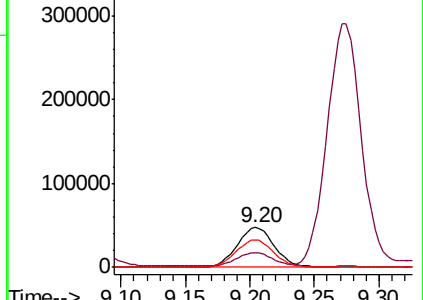
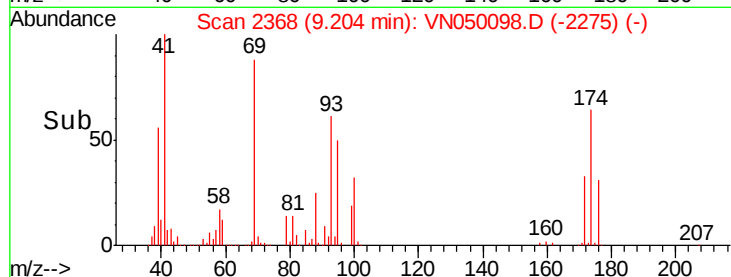


Abundance Ion 88.00 (87.70 to 88.70): VN050018.D (-2353) (-)

Ion 43.00 (42.70 to 43.70): VN050018.D (-2353) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-2353) (-)

Time-->



#50

Toluene-d8

Concen: 48.88 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050098.D

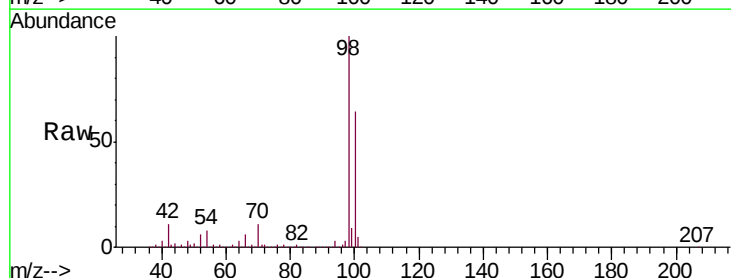
Acq: 26 Jul 2018 22:16

Tgt Ion: 98 Resp: 1498878

Ion Ratio Lower Upper

98 100

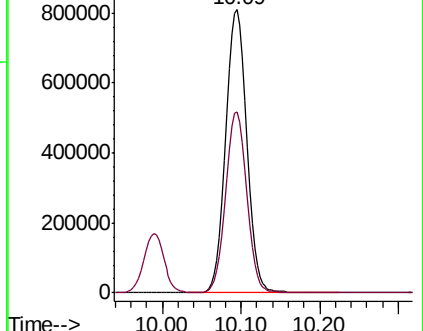
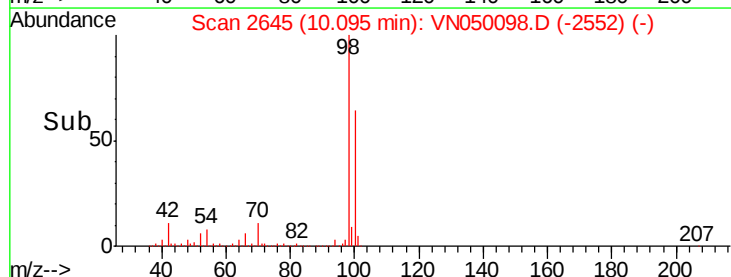
100 63.9 50.7 76.1

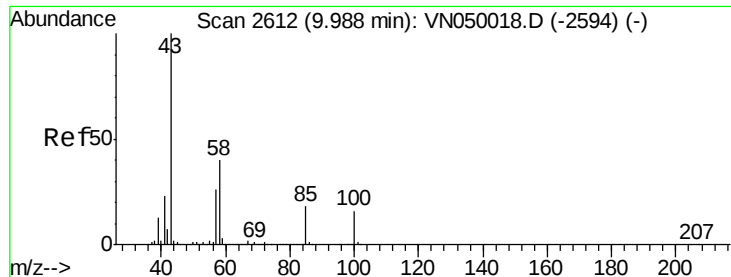


Abundance Ion 98.00 (97.70 to 98.70): VN050018.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050018.D (-2627) (-)

Time-->





#51

4-Methyl-2-Pentanone

Concen: 261.04 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

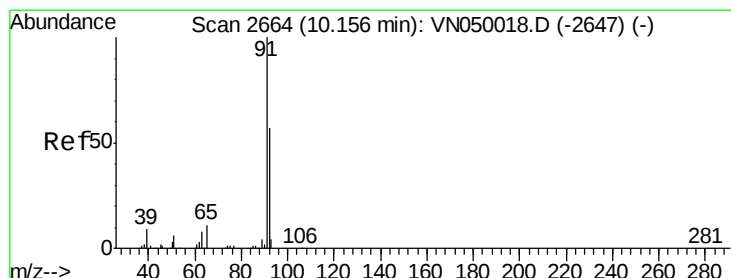
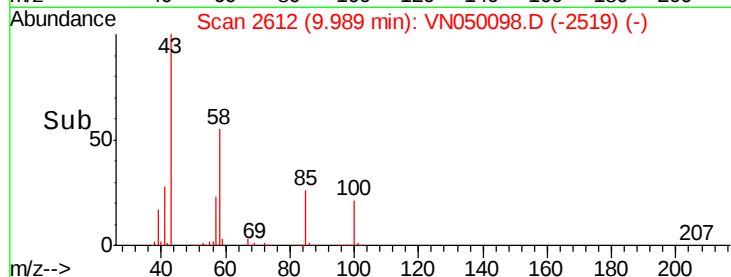
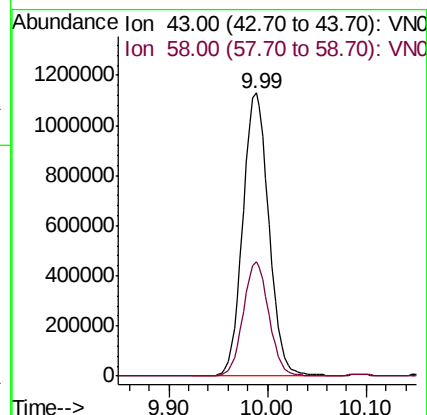
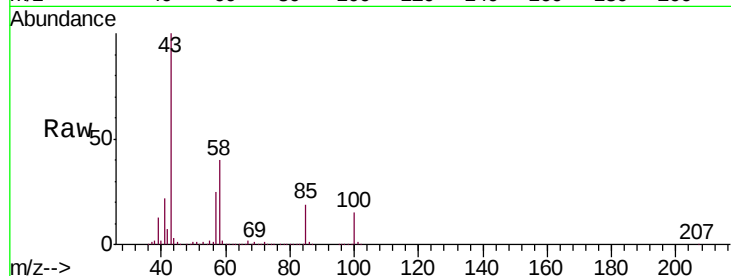
VSTDCCC050

Tot Ion: 43 Resp: 2059163

Ion Ratio Lower Upper

43 100

58 39.9 31.9 47.9



#52

Toluene

Concen: 50.13 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050098.D

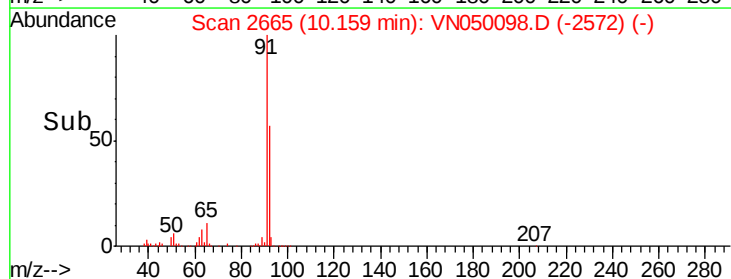
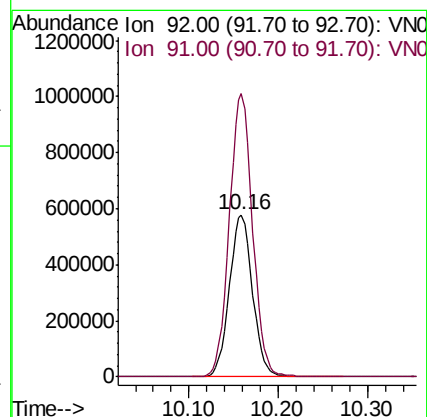
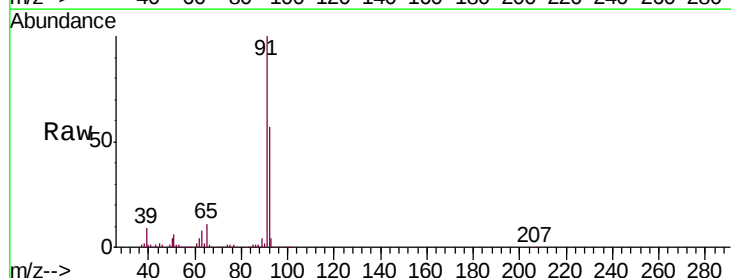
Acq: 26 Jul 2018 22:16

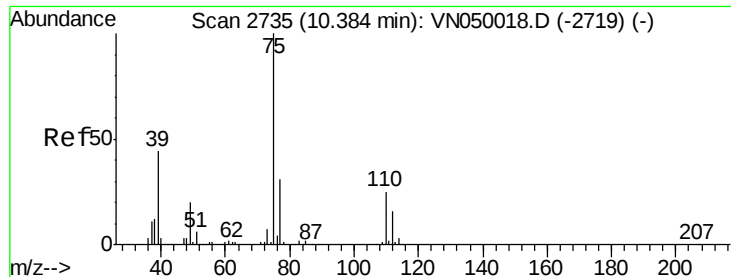
Tgt Ion: 92 Resp: 1036346

Ion Ratio Lower Upper

92 100

91 175.8 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 49.59 ug/l

RT: 10.39 min Scan# 2736

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

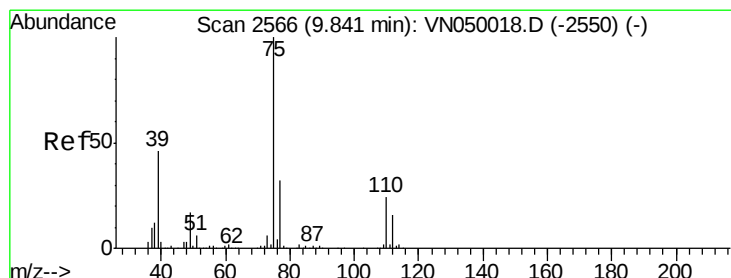
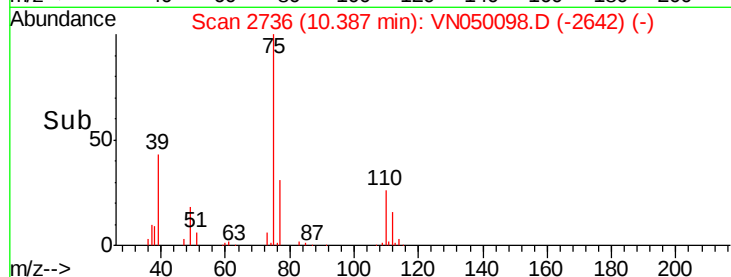
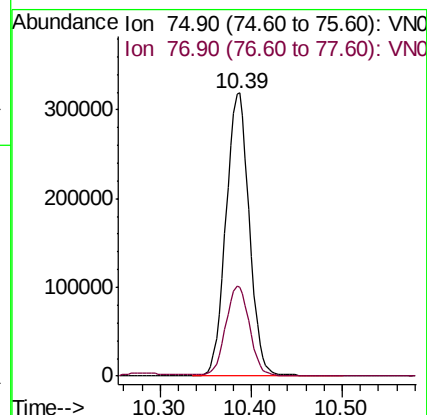
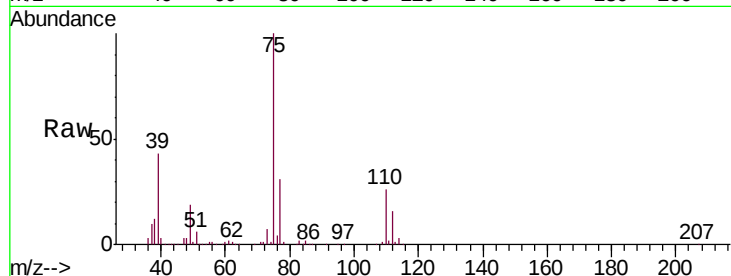
VSTDCCC050

Tot Ion: 75 Resp: 568856

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 49.10 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

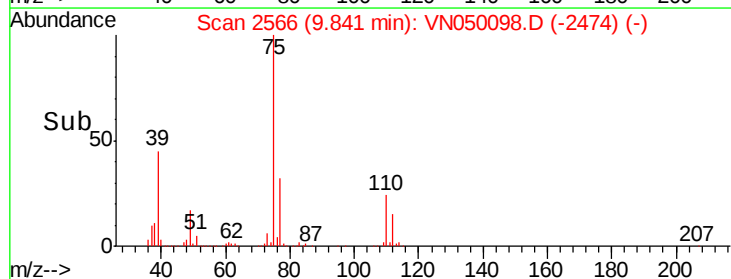
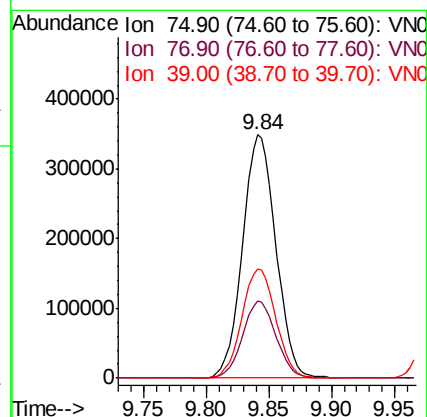
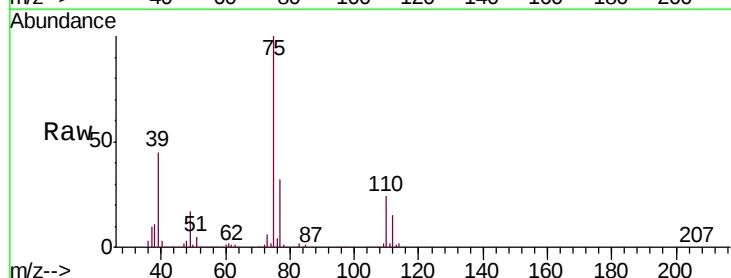
Tgt Ion: 75 Resp: 643673

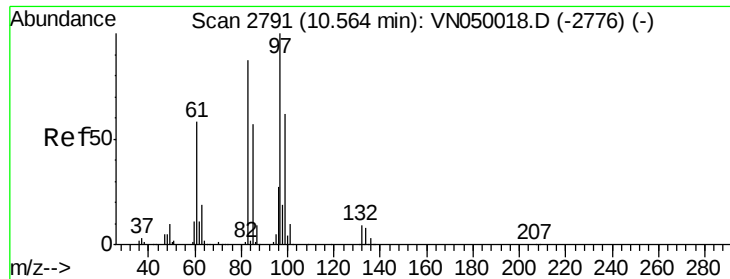
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 44.9 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 48.46 ug/l

RT: 10.57 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 397339

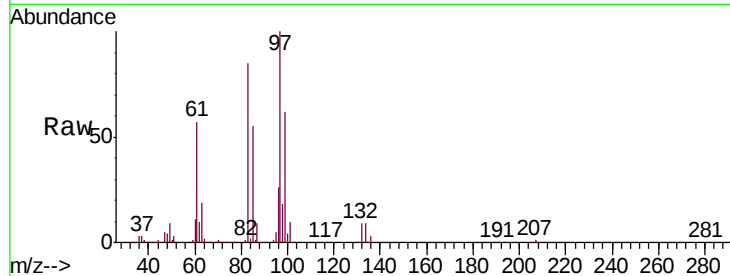
Ion Ratio Lower Upper

97 100

83 85.4 69.2 103.8

85 54.8 44.0 66.0

99 62.4 49.9 74.9

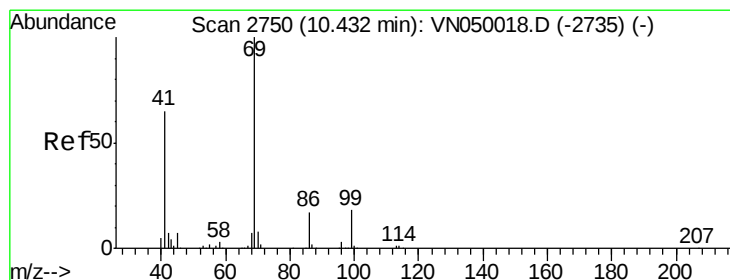
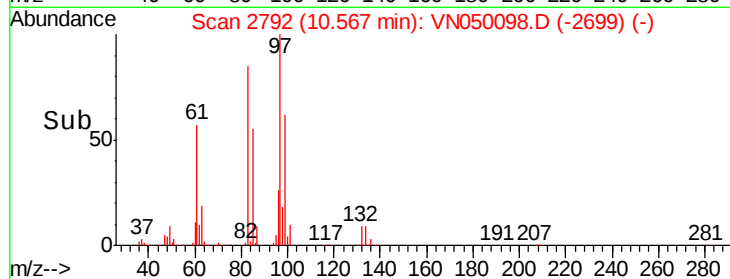
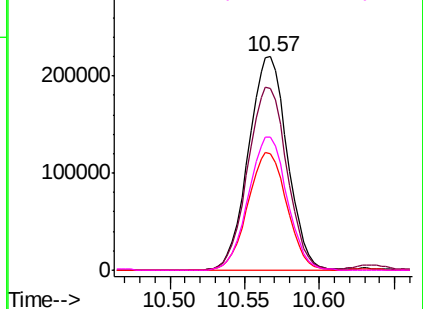


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 47.59 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

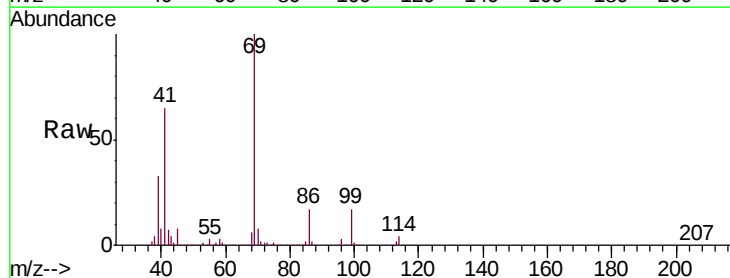
Tgt Ion: 69 Resp: 527515

Ion Ratio Lower Upper

69 100

41 64.4 51.0 76.4

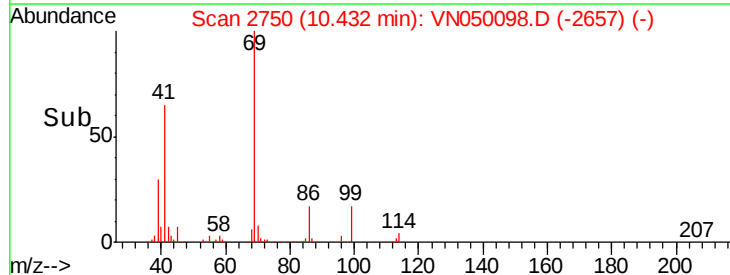
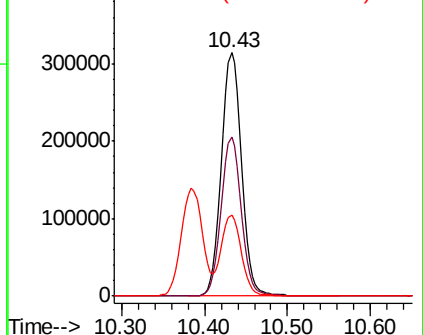
39 33.3 26.6 40.0

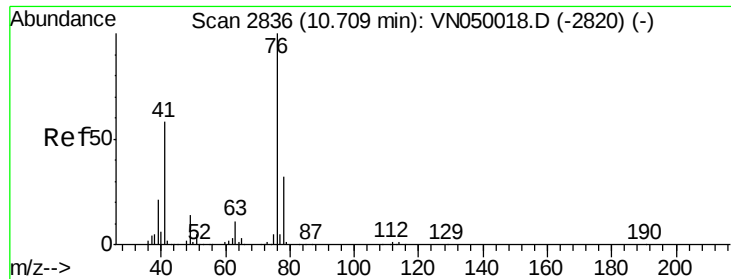


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.27 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

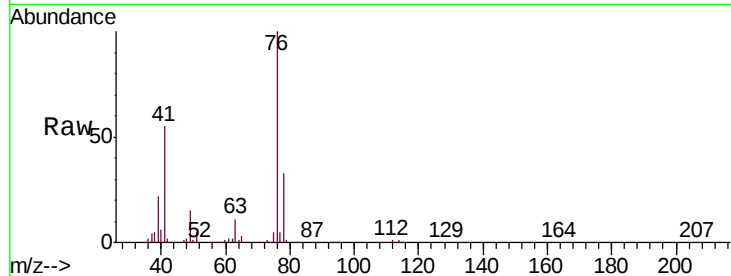
VSTDCCC050

Tot Ion: 76 Resp: 657937

Ion Ratio Lower Upper

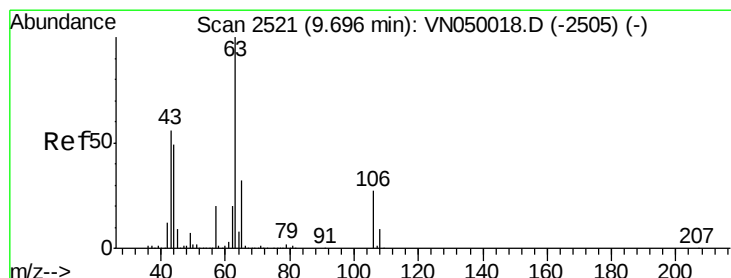
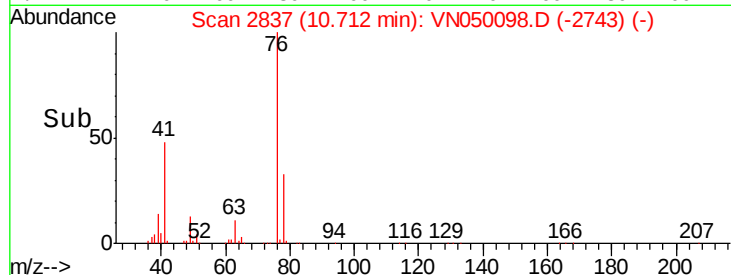
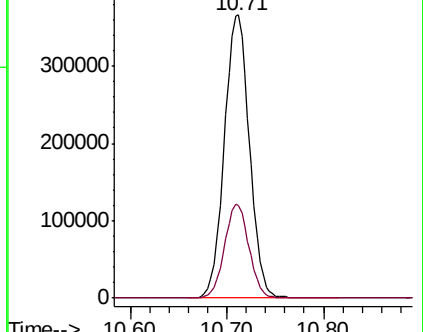
76 100

78 32.3 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 233.07 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050098.D

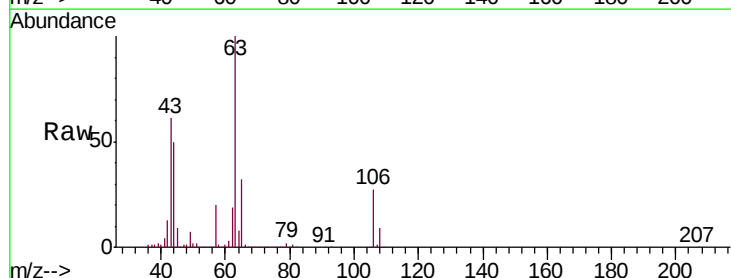
Acq: 26 Jul 2018 22:16

Tgt Ion: 63 Resp: 1206405

Ion Ratio Lower Upper

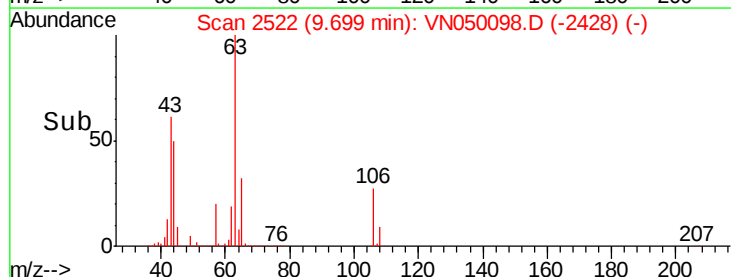
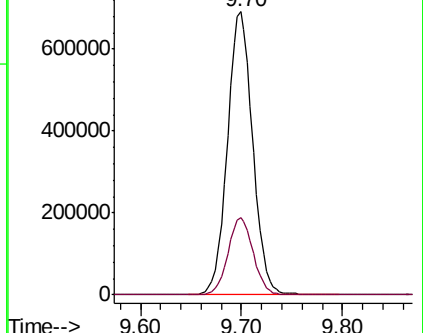
63 100

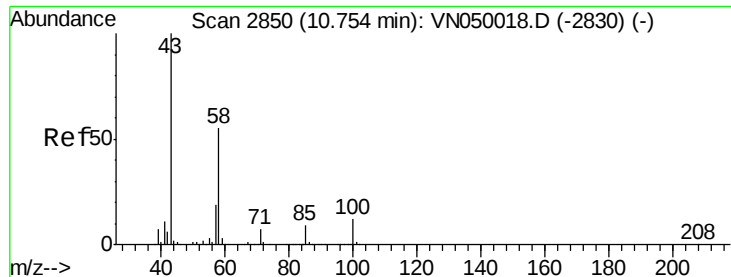
106 27.2 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

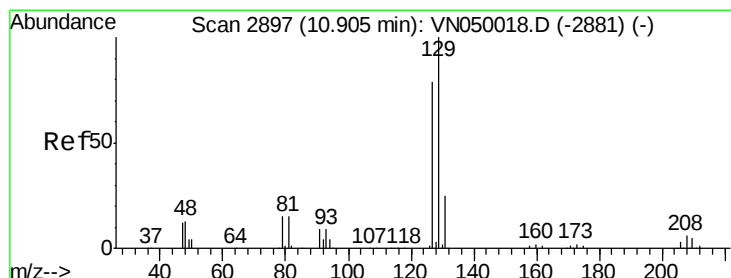
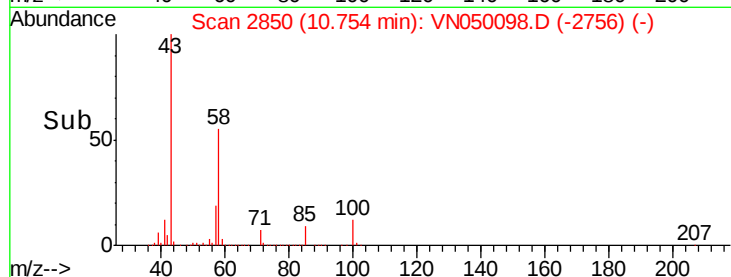
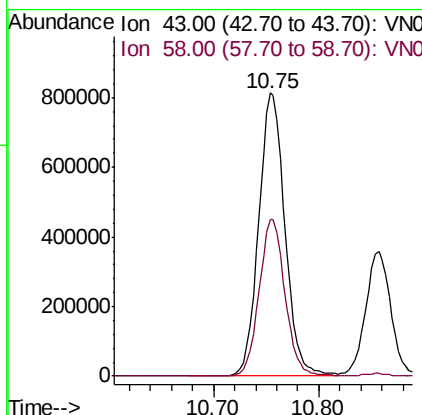
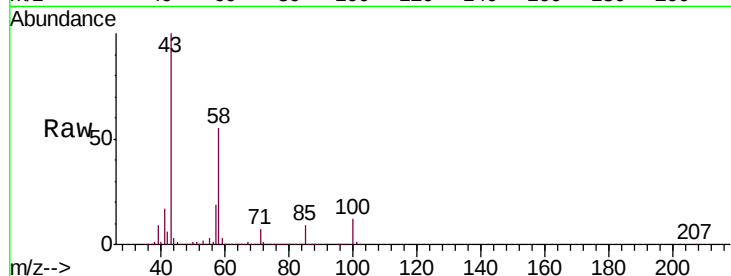




#59
2-Hexanone
Concen: 243.03 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

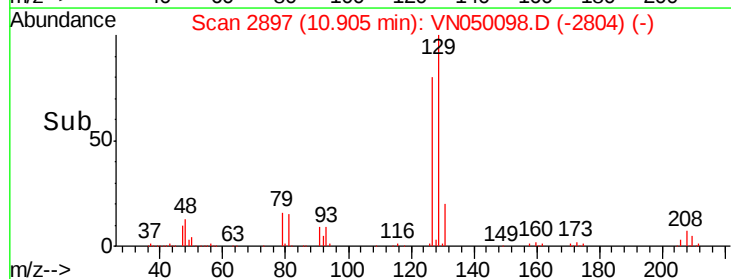
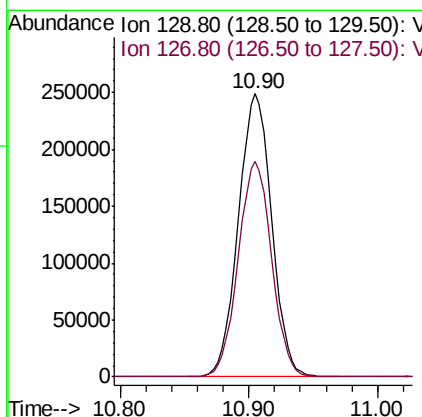
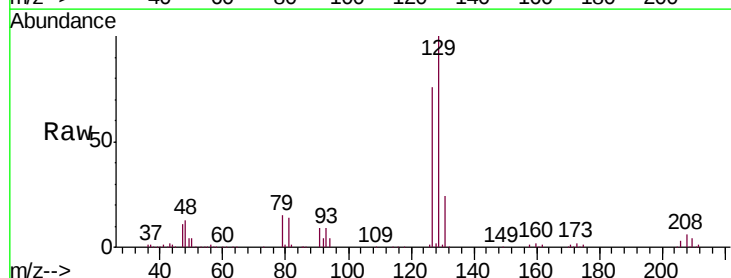
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

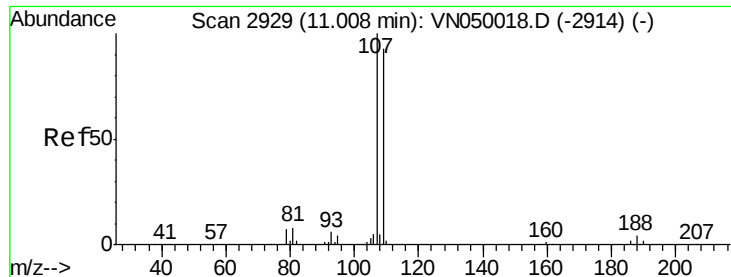
Tot Ion: 43 Resp: 1407811
Ion Ratio Lower Upper
43 100
58 55.0 27.6 82.7



#60
Dibromochloromethane
Concen: 49.32 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 129 Resp: 447723
Ion Ratio Lower Upper
129 100
127 76.1 38.0 113.9





#61

1,2-Dibromoethane

Concen: 48.96 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

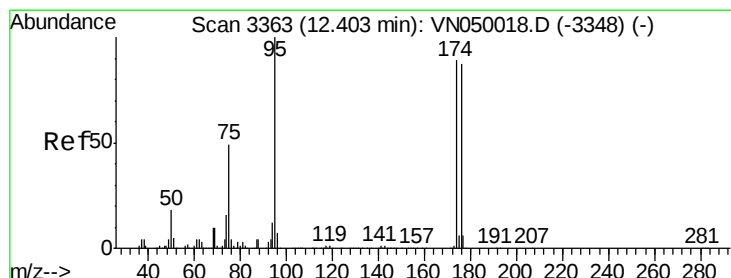
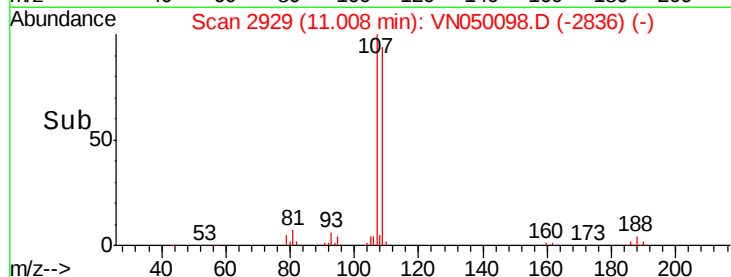
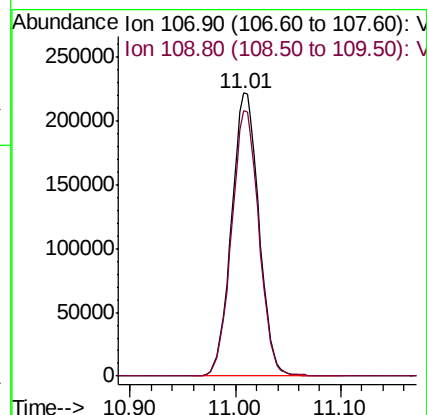
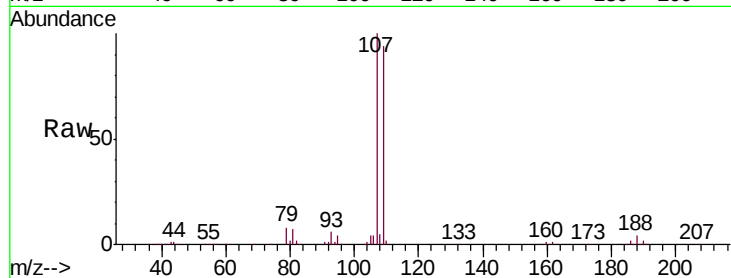
VSTDCCC050

Tot Ion:107 Resp: 398289

Ion Ratio Lower Upper

107 100

109 93.8 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 51.22 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

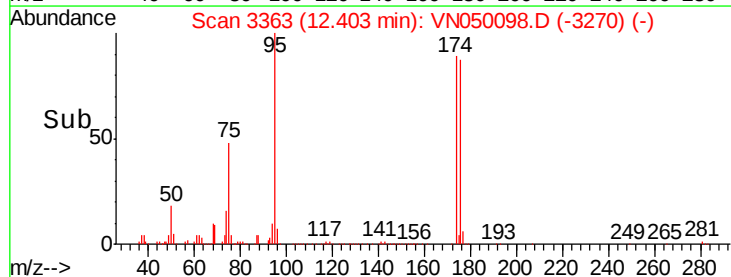
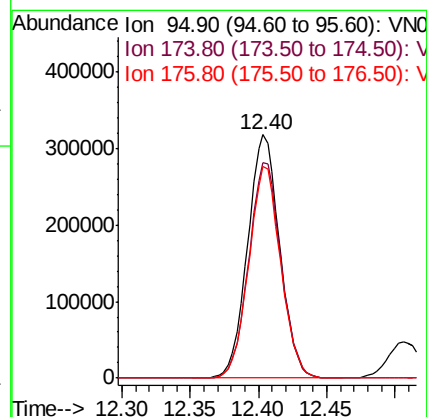
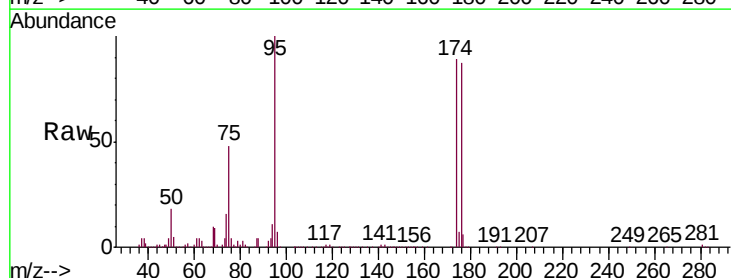
Tgt Ion: 95 Resp: 517192

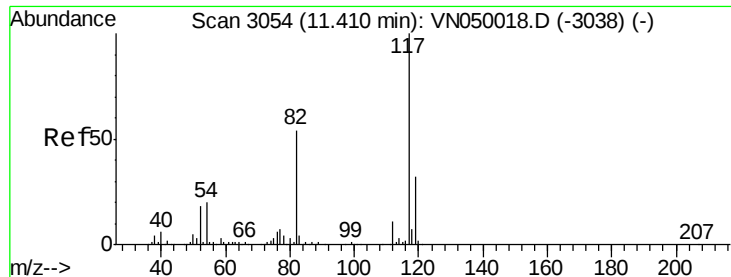
Ion Ratio Lower Upper

95 100

174 89.5 0.0 178.2

176 86.6 0.0 173.4

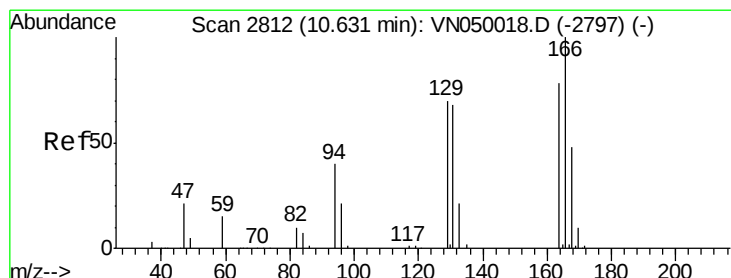
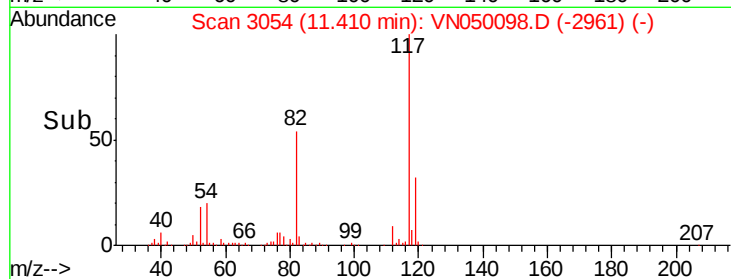
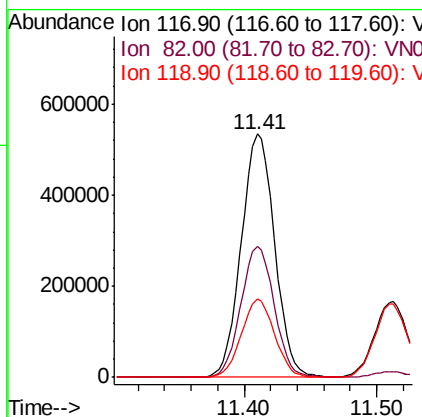
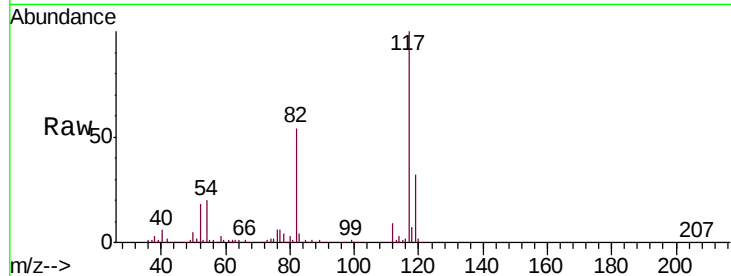




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

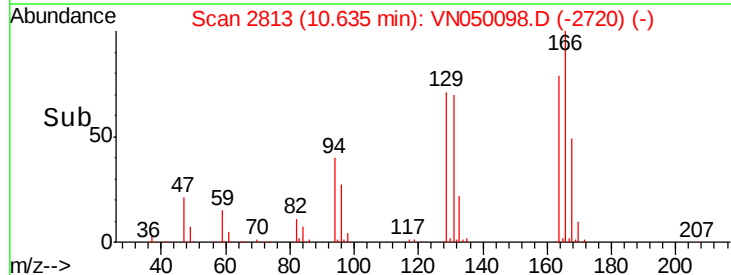
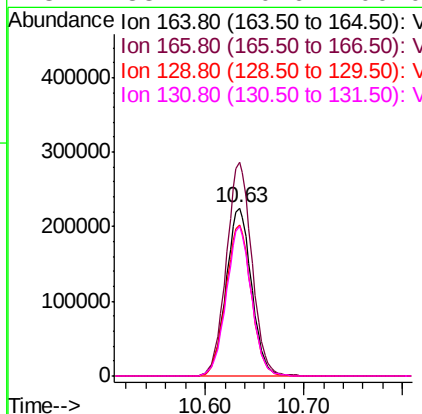
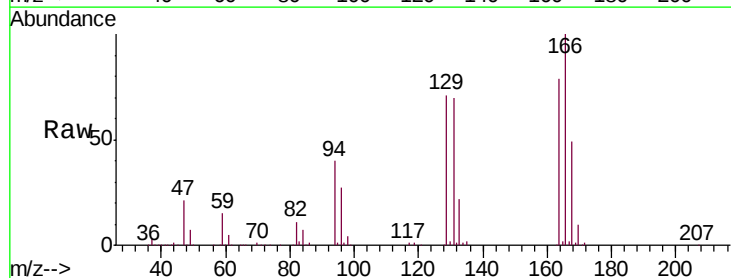
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

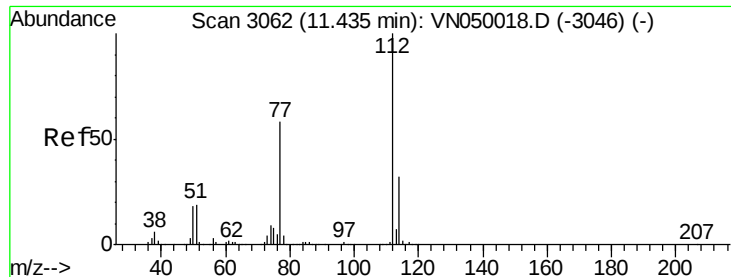
Tot Ion:117 Resp: 936092
Ion Ratio Lower Upper
117 100
82 54.1 43.7 65.5
119 32.0 26.1 39.1



#64
Tetrachloroethene
Concen: 45.04 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion:164 Resp: 405344
Ion Ratio Lower Upper
164 100
166 126.9 102.1 153.1
129 89.6 73.2 109.8
131 88.7 70.6 106.0

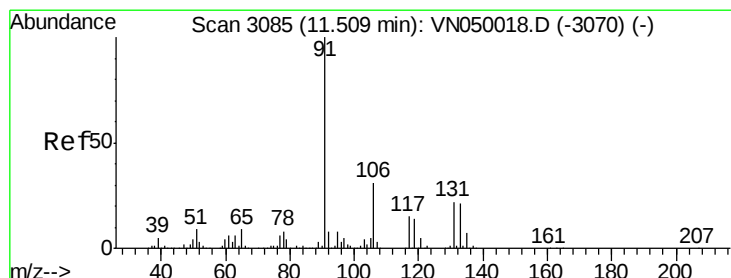
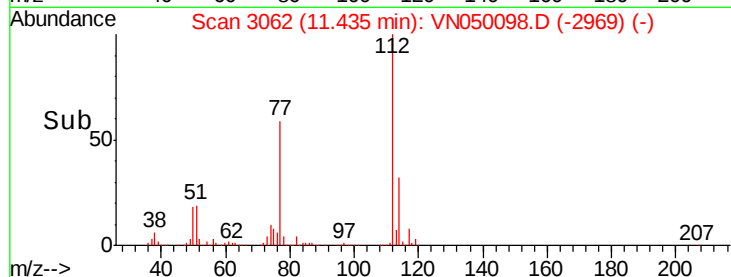
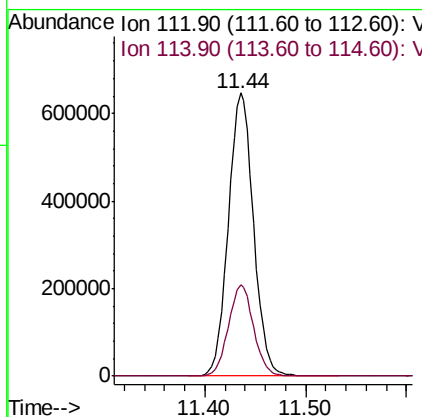
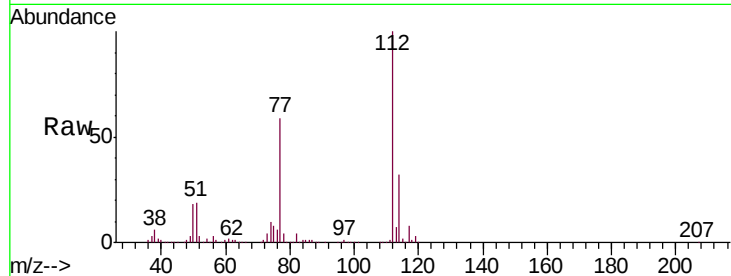




#65
Chlorobenzene
Concen: 47.54 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

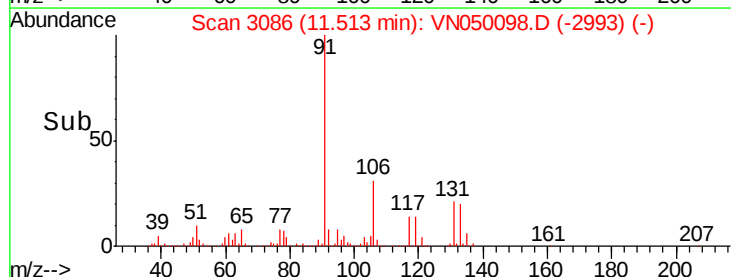
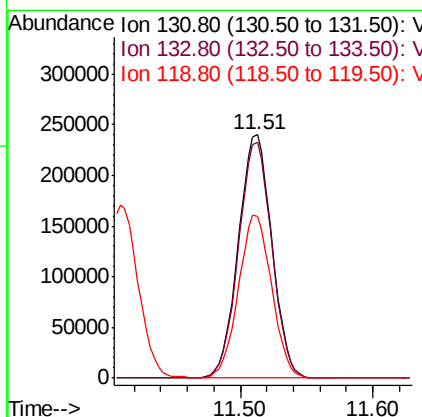
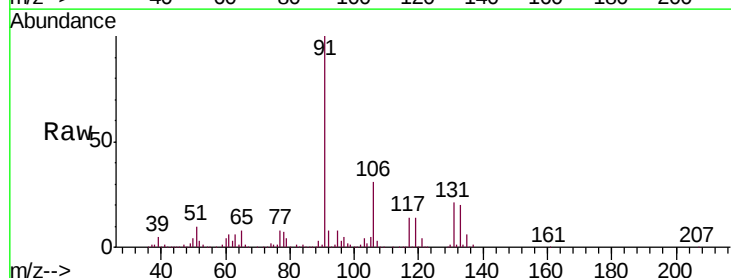
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

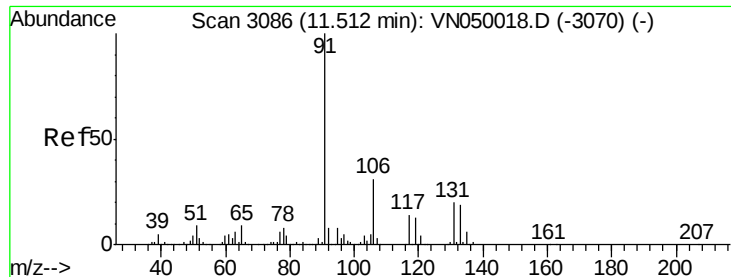
Tot Ion:112 Resp: 1124083
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 46.42 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion:131 Resp: 421771
Ion Ratio Lower Upper
131 100
133 96.7 47.3 141.9
119 66.3 32.9 98.7

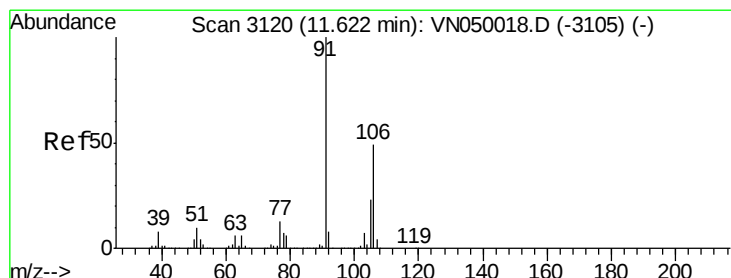
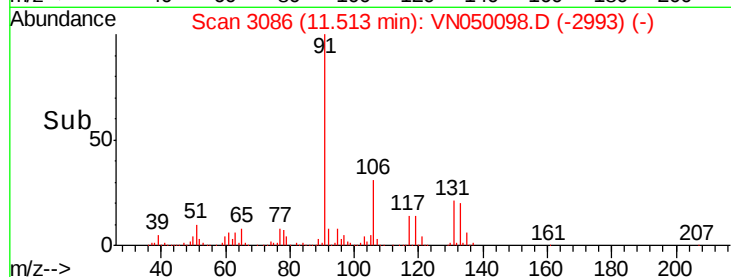
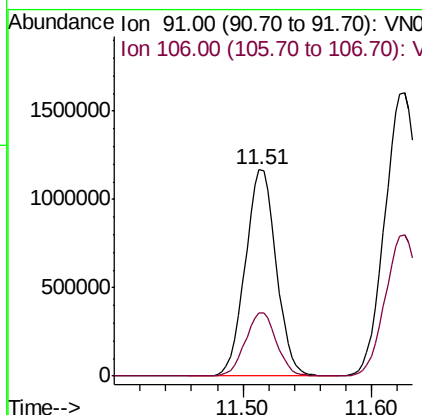
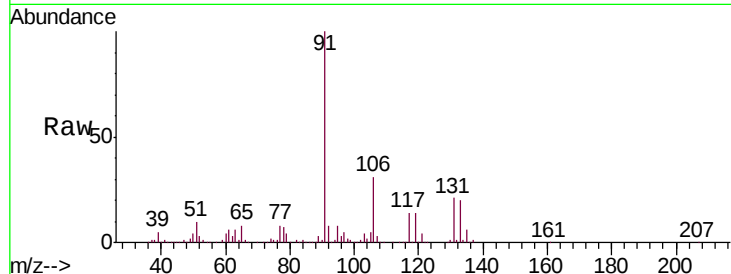




#67
Ethyl Benzene
Concen: 51.48 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

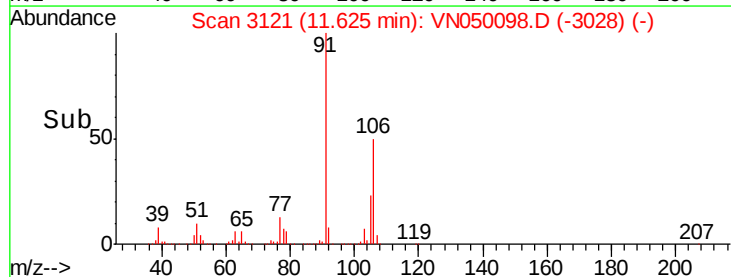
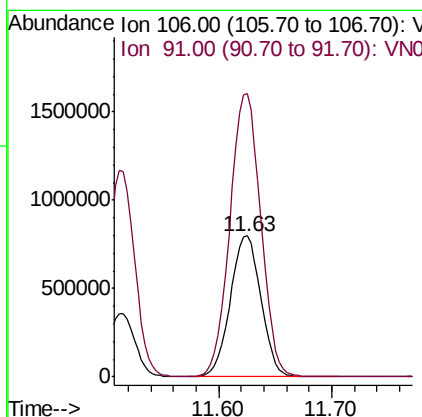
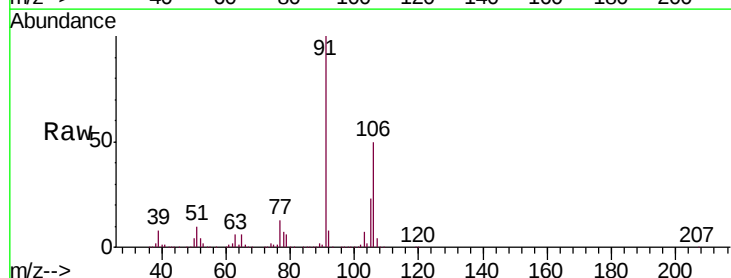
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

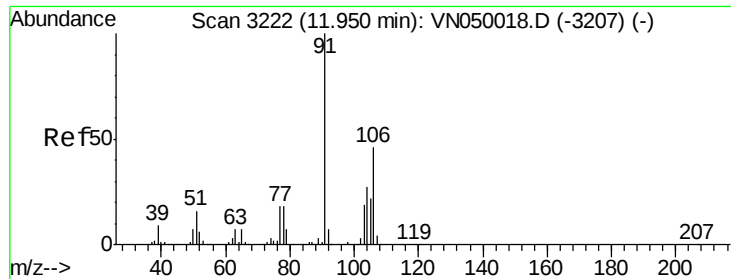
Tot Ion: 91 Resp: 1955247
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.4



#68
m/p-Xylenes
Concen: 104.62 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion: 106 Resp: 1503030
Ion Ratio Lower Upper
106 100
91 202.3 162.2 243.2

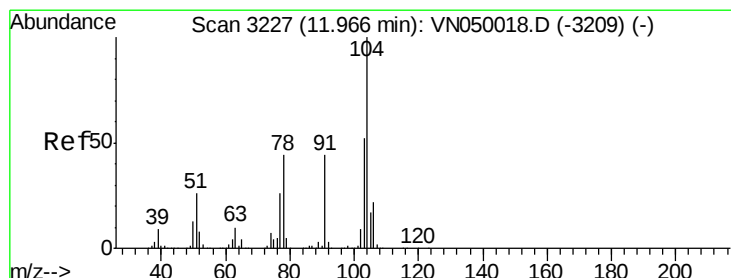
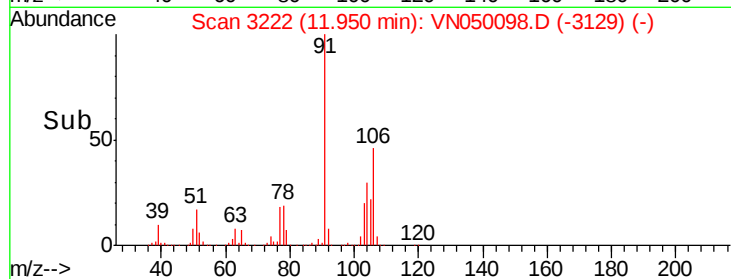
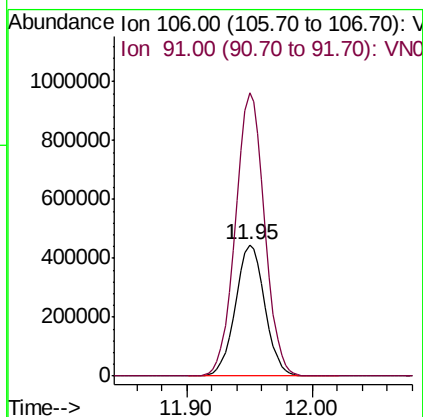
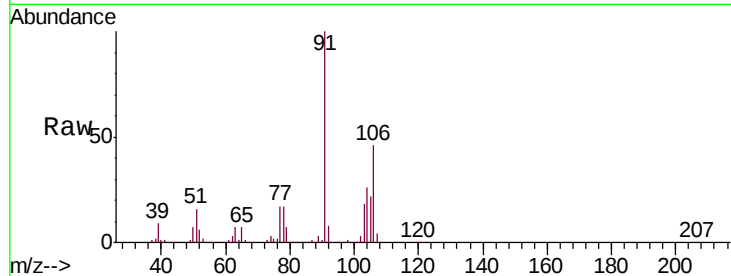




#69
o-Xylene
Concen: 52.97 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

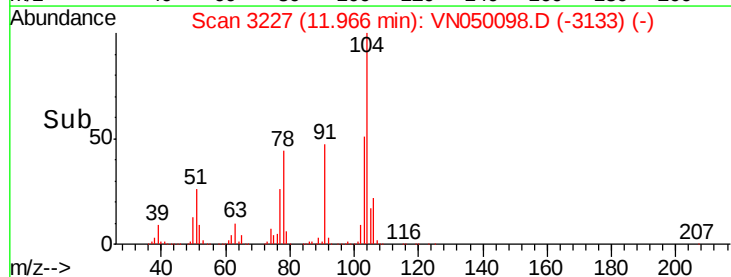
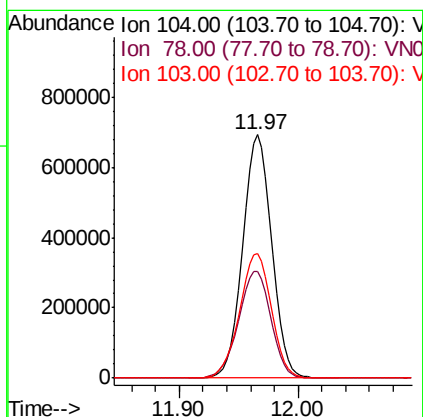
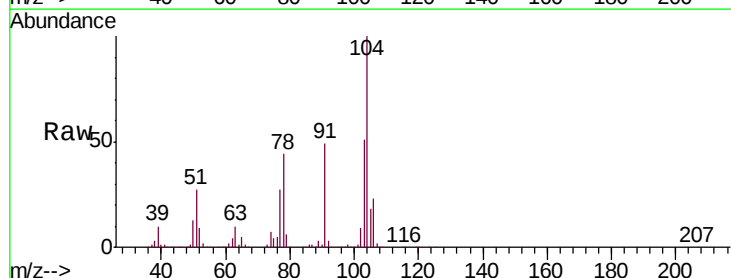
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

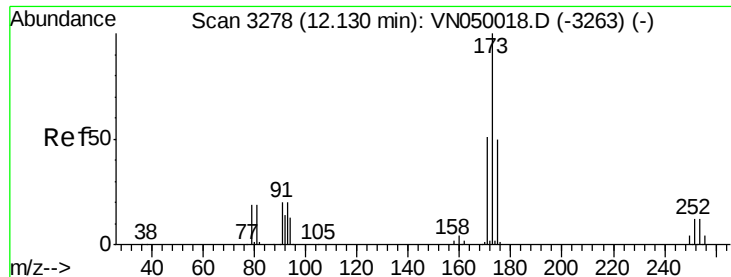
Tot Ion:106 Resp: 725418
Ion Ratio Lower Upper
106 100
91 214.1 107.7 323.1



#70
Styrene
Concen: 48.17 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050098.D
Acq: 26 Jul 2018 22:16

Tgt Ion:104 Resp: 1172507
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 56.1 45.0 67.6





#71

Bromoform

Concen: 47.91 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

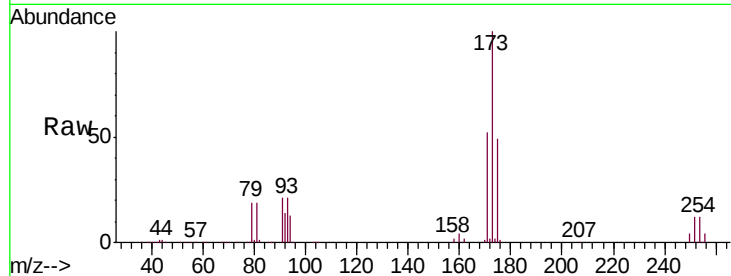
Tot Ion:173 Resp: 316661

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.2

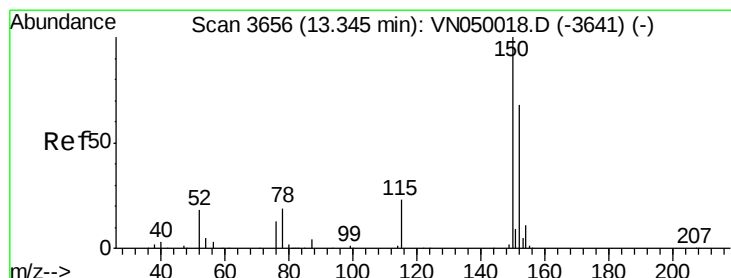
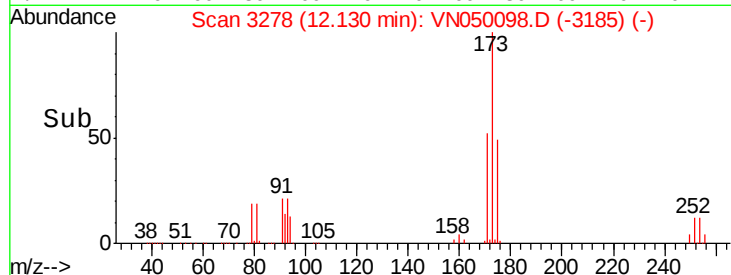
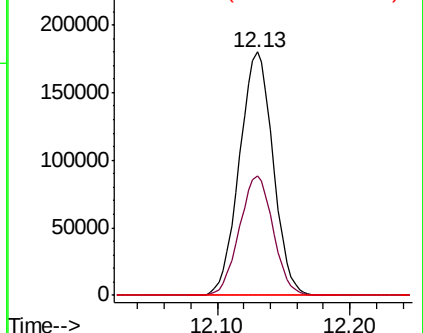
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

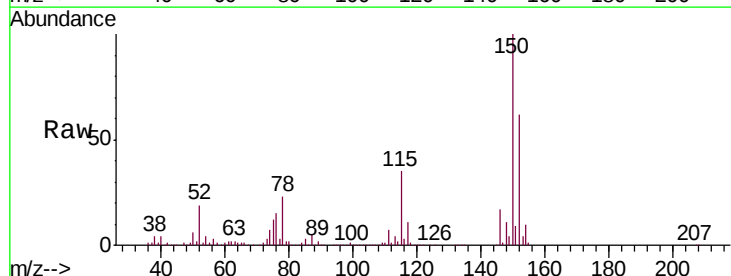
Tgt Ion:152 Resp: 490433

Ion Ratio Lower Upper

152 100

115 56.6 27.8 83.3

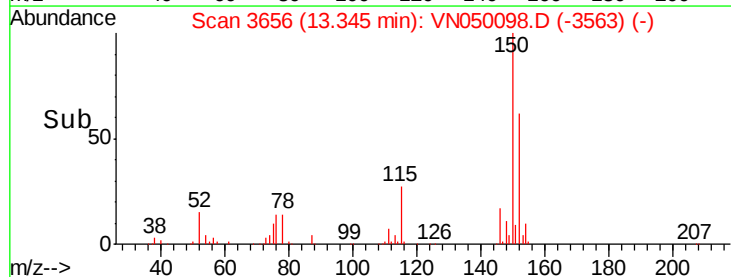
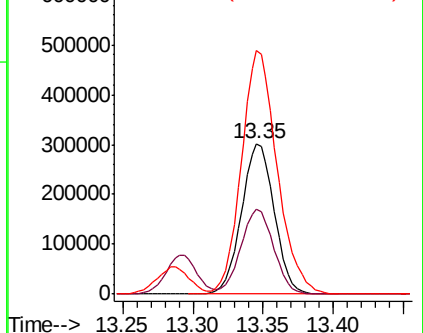
150 175.8 0.0 348.6

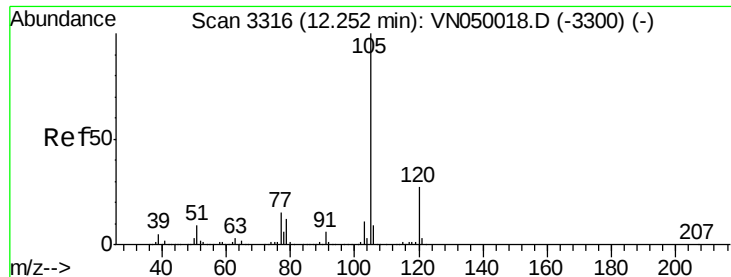


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.98 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

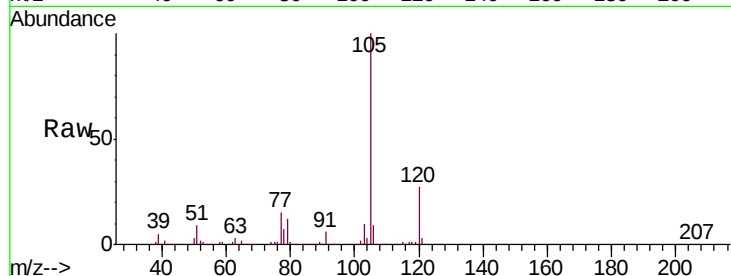
VSTDCCC050

Tot Ion:105 Resp: 1939052

Ion Ratio Lower Upper

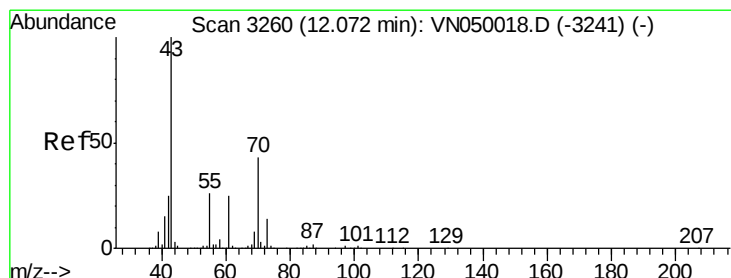
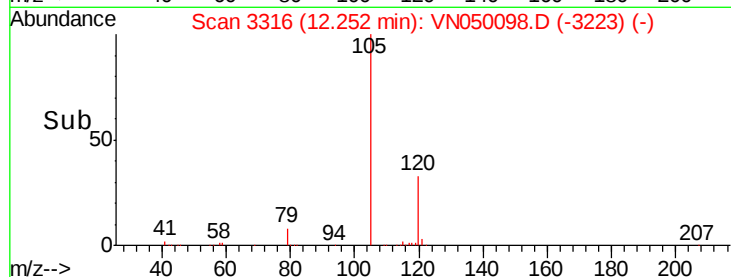
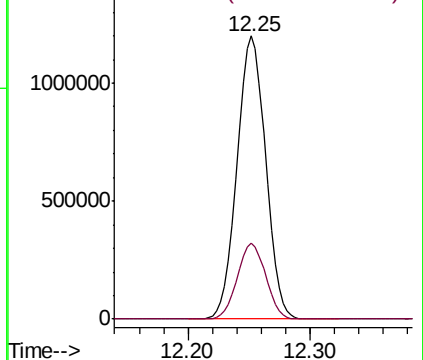
105 100

120 26.7 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: 52.39 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion: 43 Resp: 609023

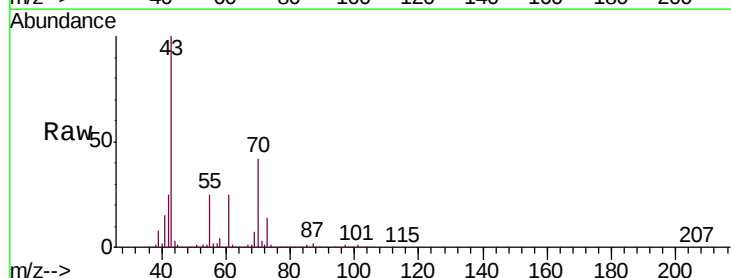
Ion Ratio Lower Upper

43 100

70 42.5 34.4 51.6

55 25.7 20.8 31.2

61 24.8 19.7 29.5

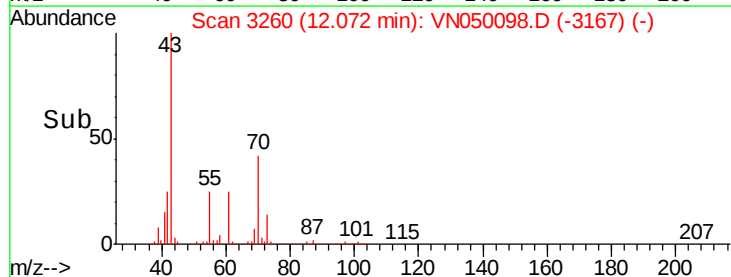
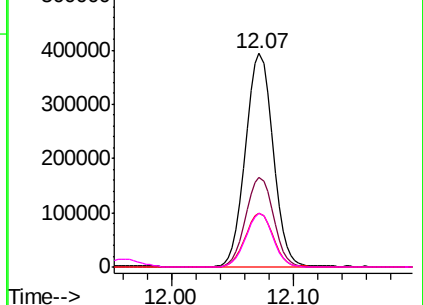


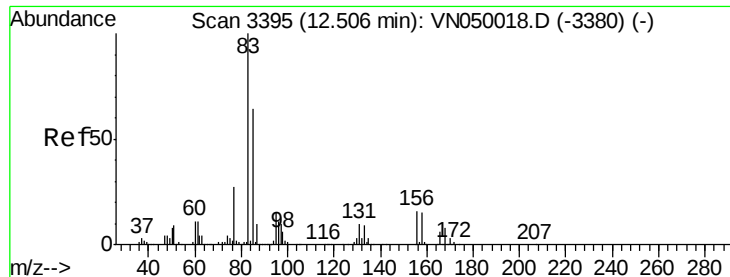
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.33 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

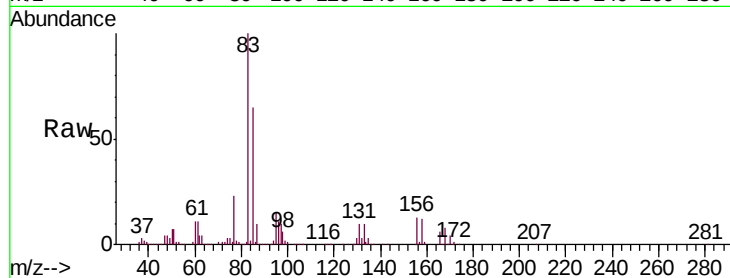
Tot Ion: 83 Resp: 530795

Ion Ratio Lower Upper

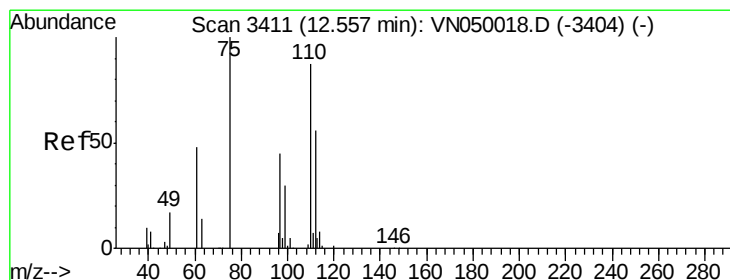
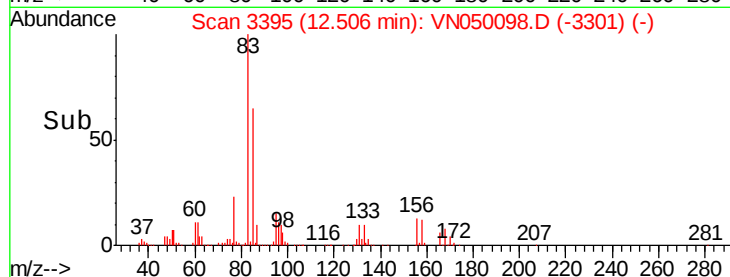
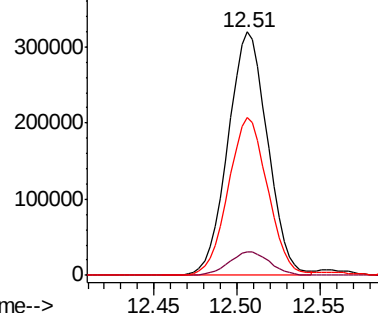
83 100

131 10.1 5.1 15.3

85 64.5 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 70.13 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050098.D

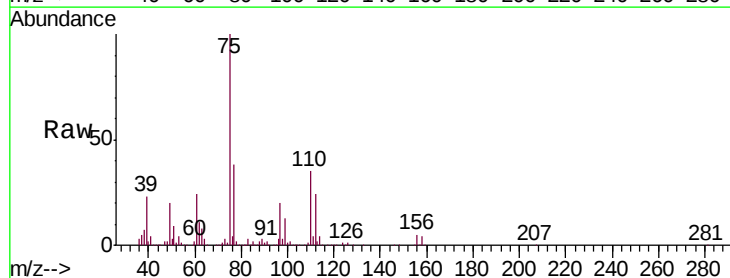
Acq: 26 Jul 2018 22:16

Tgt Ion: 75 Resp: 639214

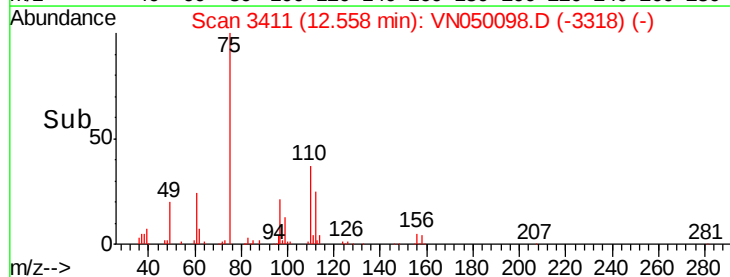
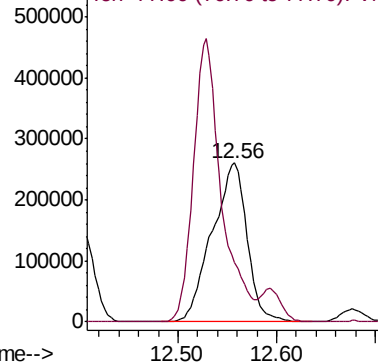
Ion Ratio Lower Upper

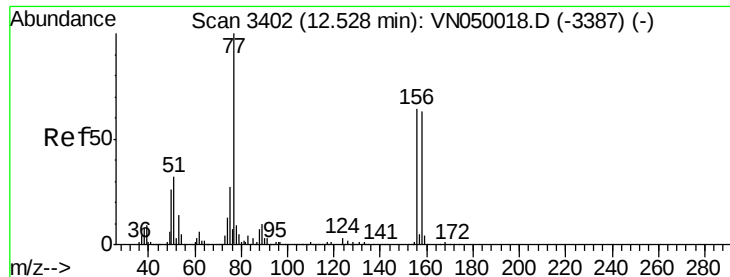
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.37 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

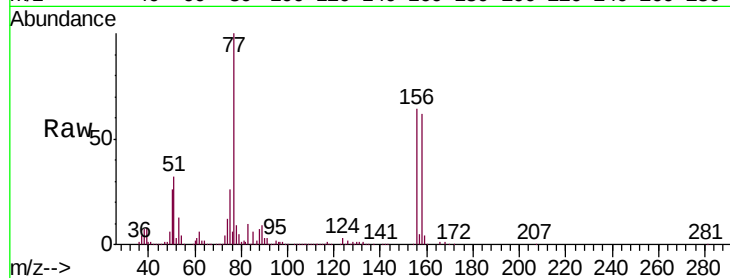
Tot Ion:156 Resp: 499413

Ion Ratio Lower Upper

156 100

77 185.8 91.7 275.1

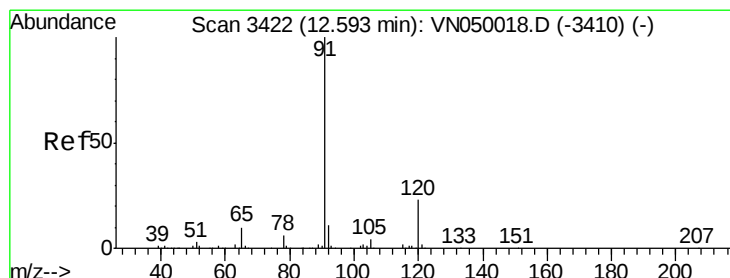
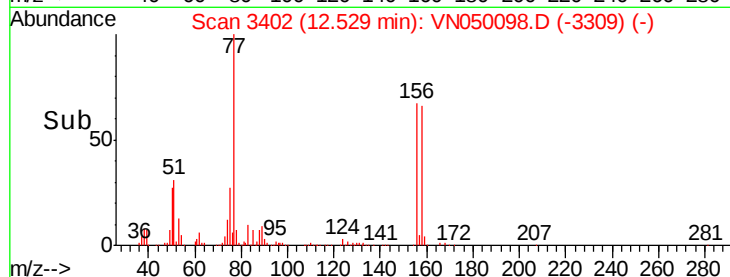
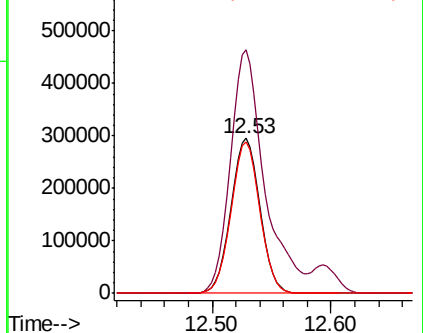
158 96.7 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.90 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050098.D

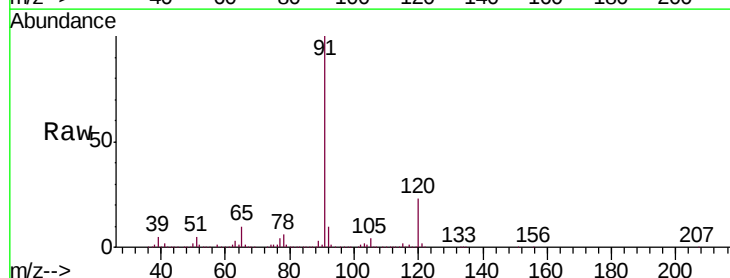
Acq: 26 Jul 2018 22:16

Tgt Ion: 91 Resp: 2206423

Ion Ratio Lower Upper

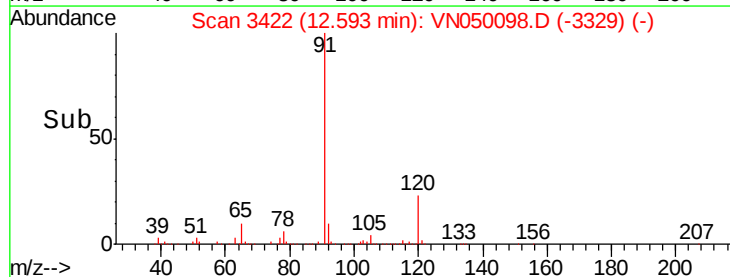
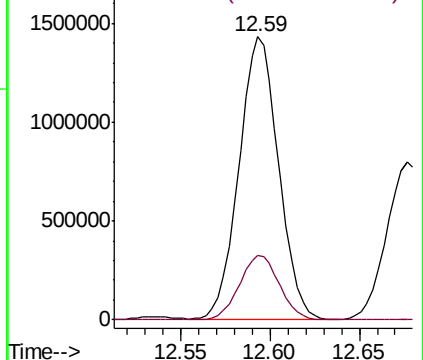
91 100

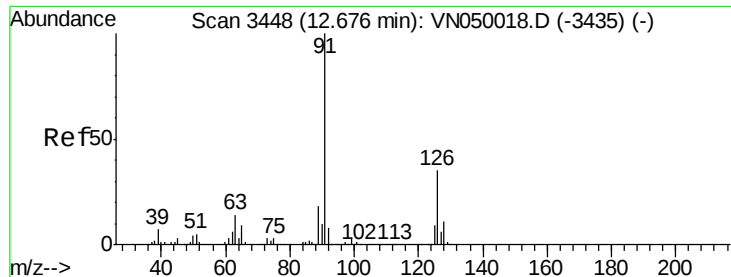
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.20 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

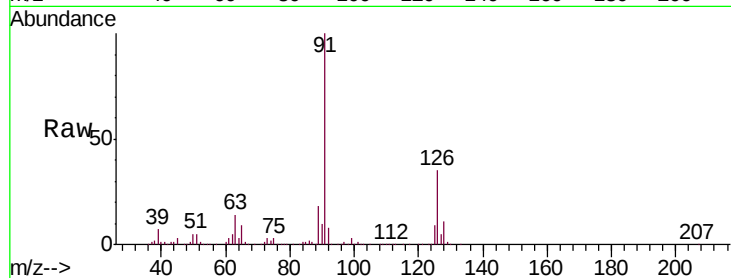
VSTDCCC050

Tot Ion: 91 Resp: 1322678

Ion Ratio Lower Upper

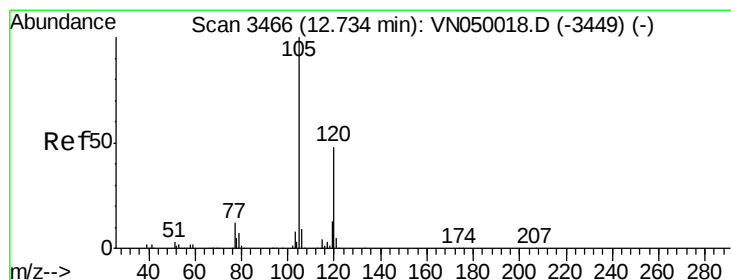
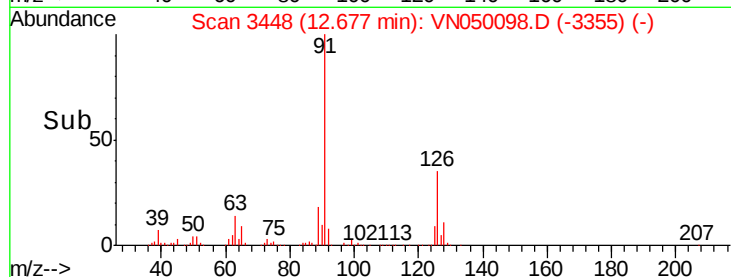
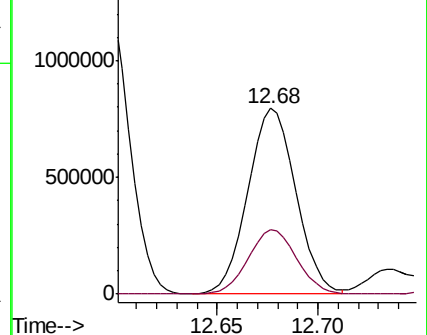
91 100

126 35.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050018.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.16 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050098.D

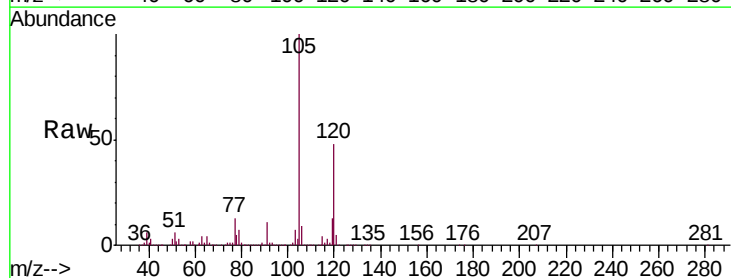
Acq: 26 Jul 2018 22:16

Tgt Ion:105 Resp: 1590337

Ion Ratio Lower Upper

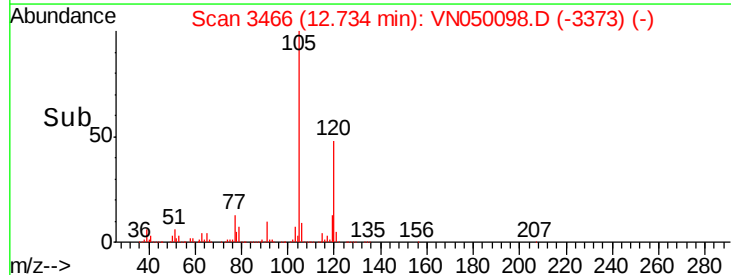
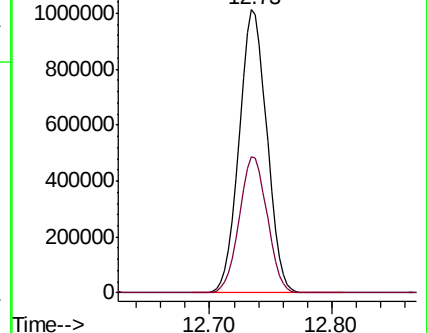
105 100

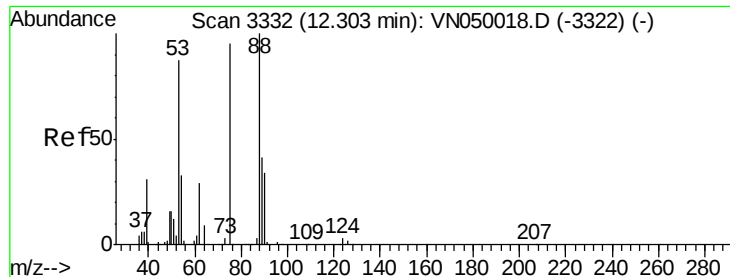
120 48.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.93 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

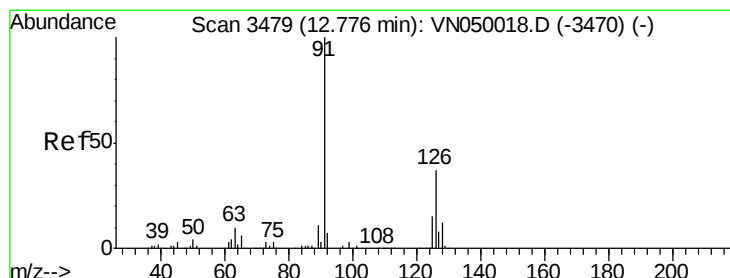
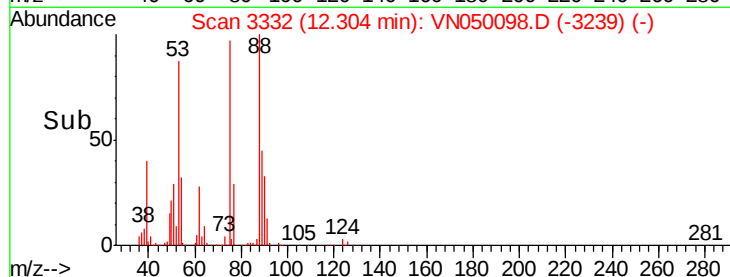
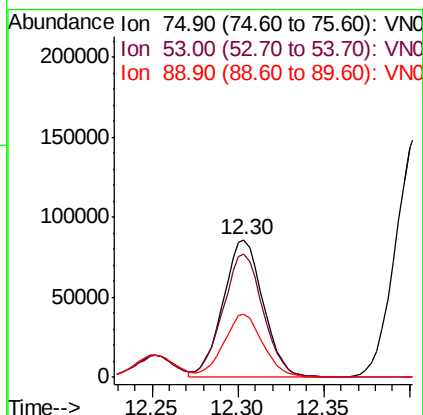
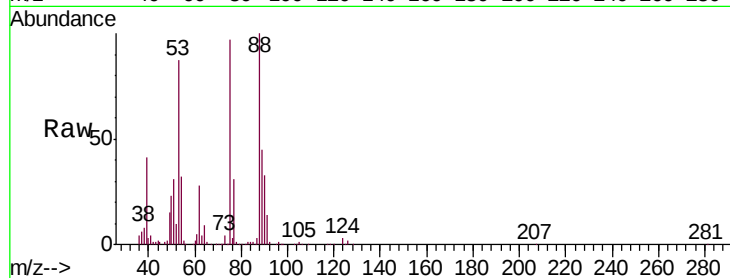
Tot Ion: 75 Resp: 140603

Ion Ratio Lower Upper

75 100

53 90.2 73.5 110.3

89 44.6 36.0 54.0



#82

4-Chlorotoluene

Concen: 50.85 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050098.D

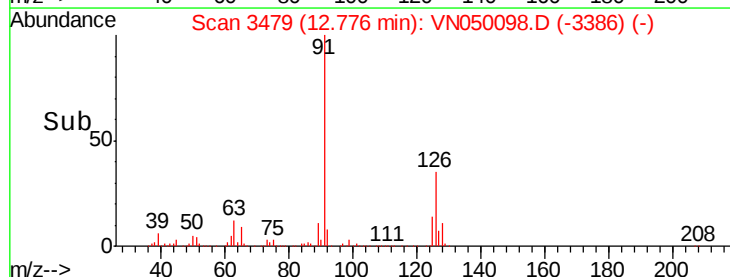
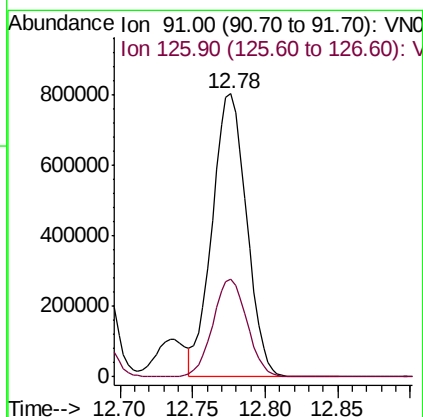
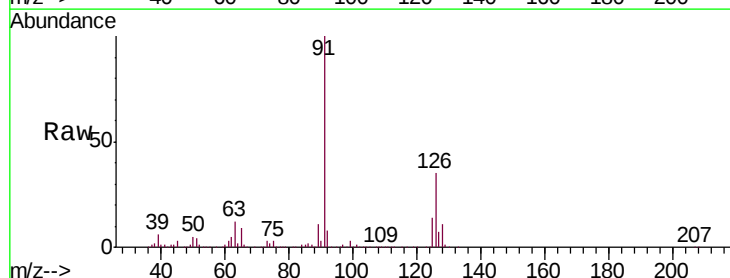
Acq: 26 Jul 2018 22:16

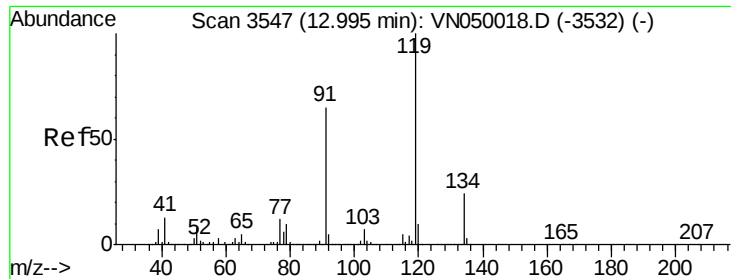
Tgt Ion: 91 Resp: 1326848

Ion Ratio Lower Upper

91 100

126 34.2 17.0 51.0

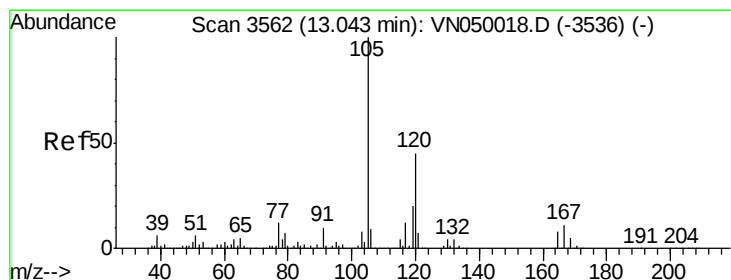
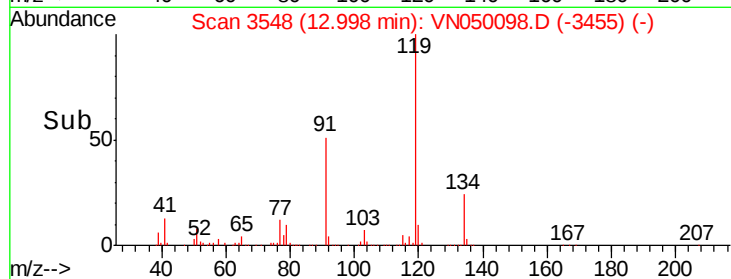
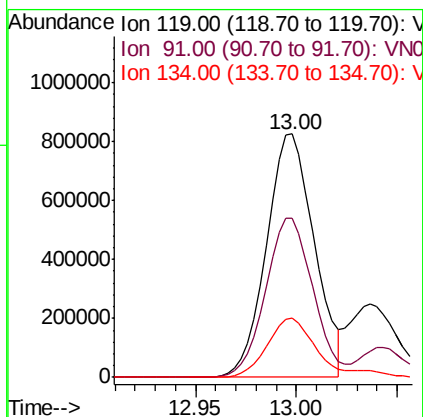
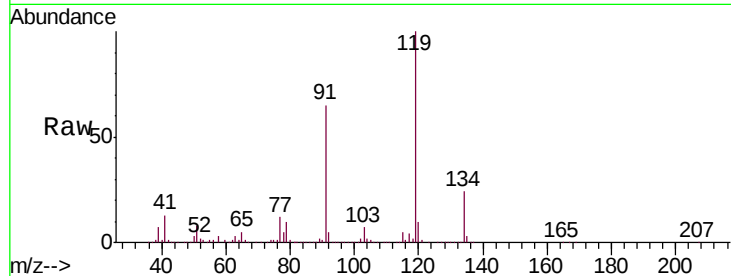




#83
 tert-Butylbenzene
 Concen: 52.06 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

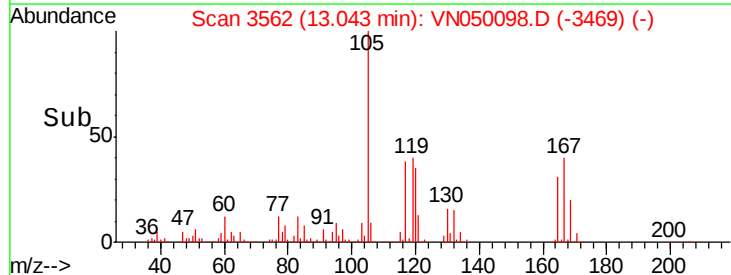
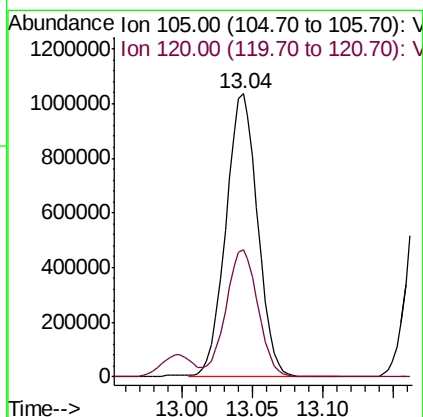
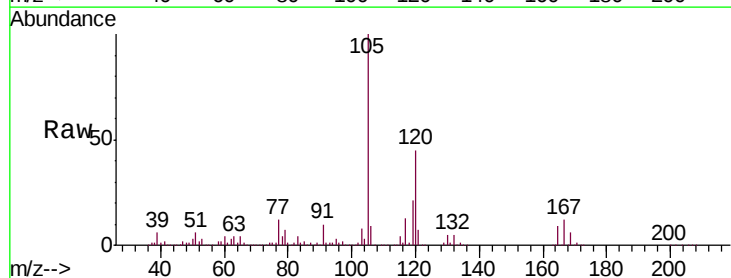
Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

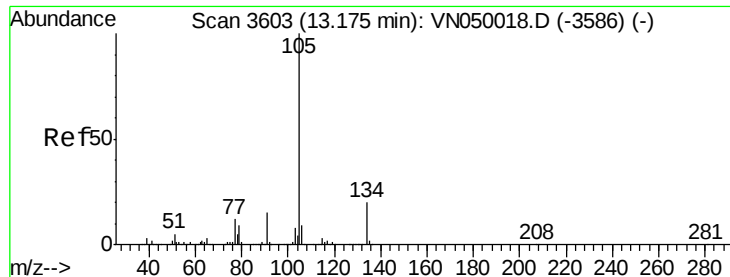
Tot Ion:119 Resp: 1359176
 Ion Ratio Lower Upper
 119 100
 91 64.5 32.1 96.3
 134 26.2 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 53.87 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Tgt Ion:105 Resp: 1624515
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.7





#85

sec-Butylbenzene

Concen: 52.35 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

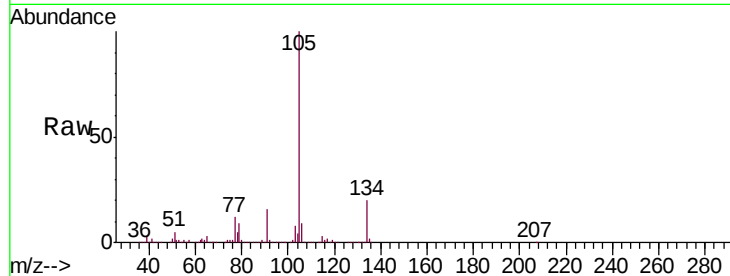
VSTDCCC050

Tot Ion:105 Resp: 1826441

Ion Ratio Lower Upper

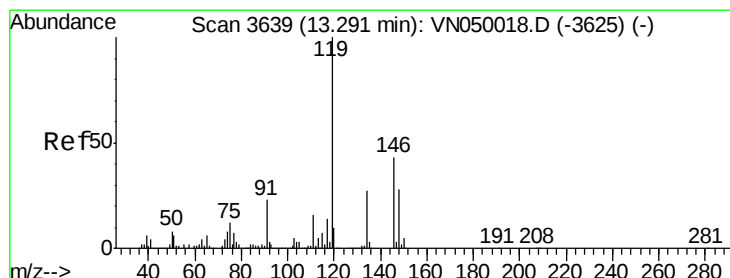
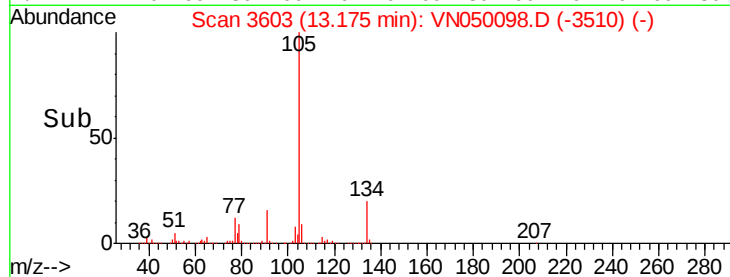
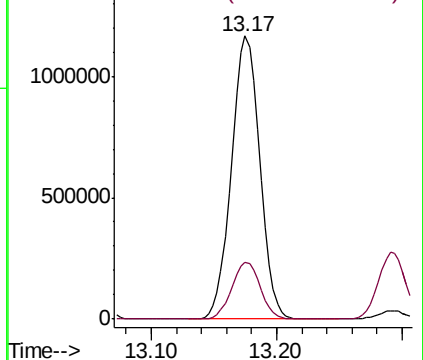
105 100

134 20.1 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: 54.10 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

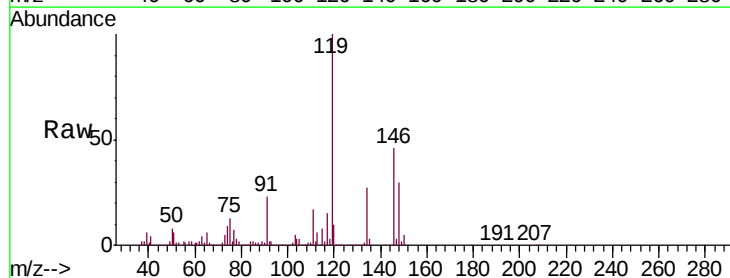
Tgt Ion:119 Resp: 1590336

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

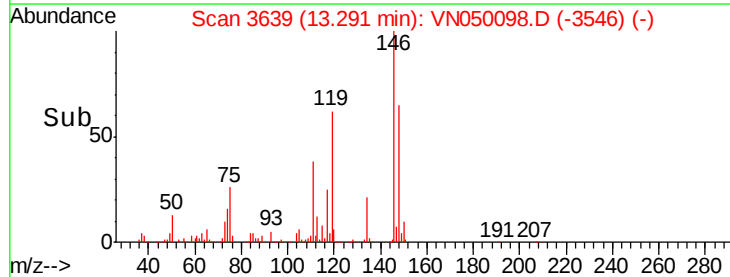
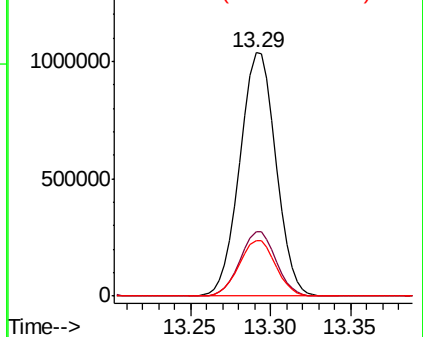
91 22.9 11.4 34.2



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): VNO





#87

1,3-Dichlorobenzene

Concen: 48.68 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

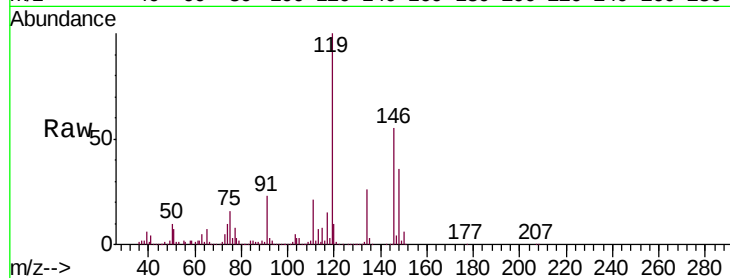
Tot Ion:146 Resp: 869981

Ion Ratio Lower Upper

146 100

111 38.0 18.8 56.4

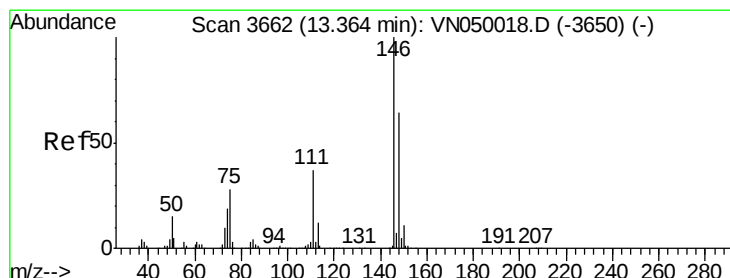
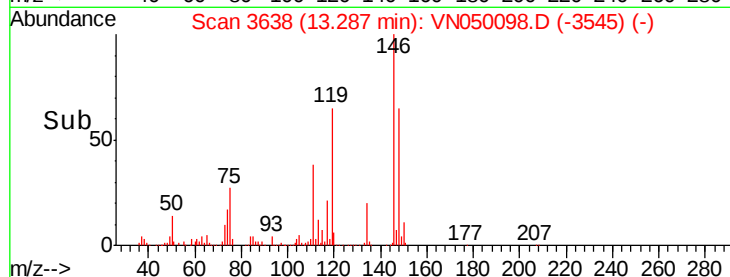
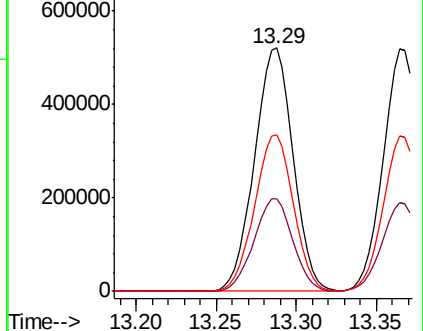
148 64.5 31.9 95.9



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: 48.43 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

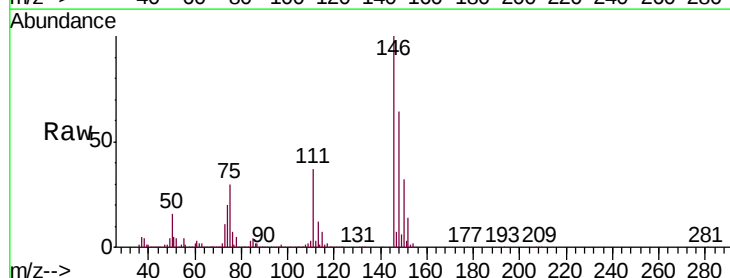
Tgt Ion:146 Resp: 843637

Ion Ratio Lower Upper

146 100

111 37.3 18.3 54.9

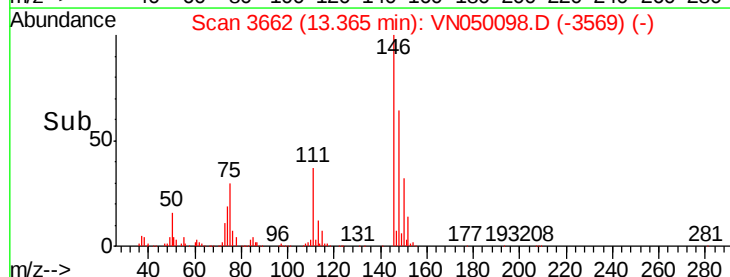
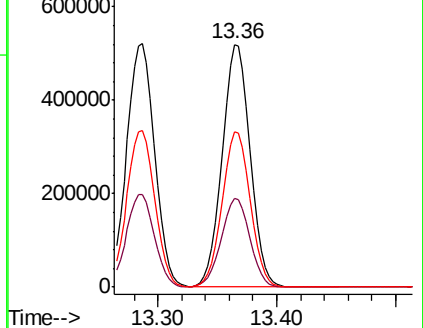
148 64.5 31.9 95.9

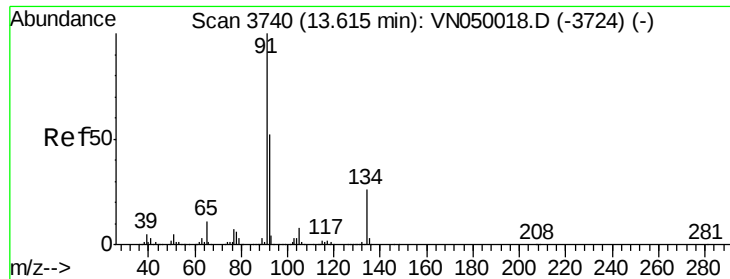


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.87 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

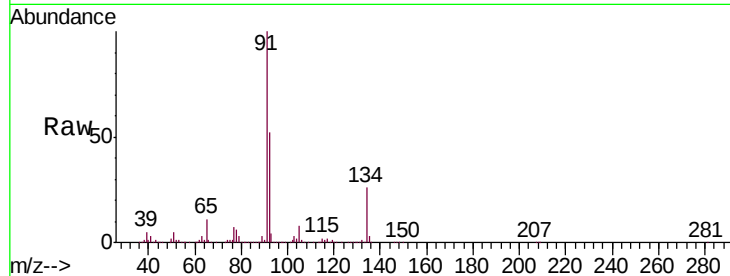
Tot Ion: 91 Resp: 1302103

Ion Ratio Lower Upper

91 100

92 51.6 25.8 77.4

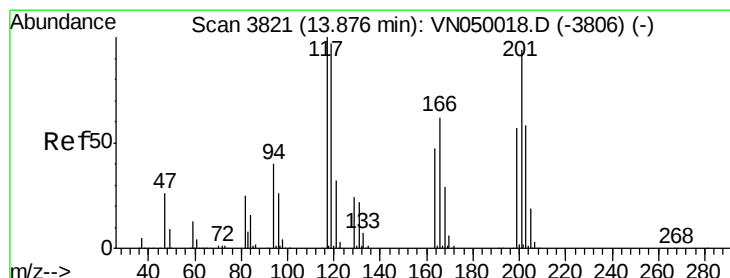
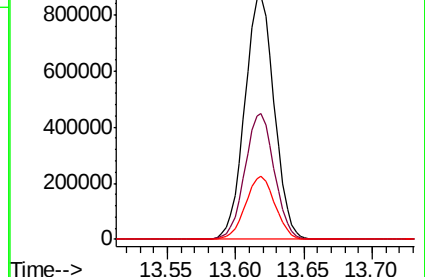
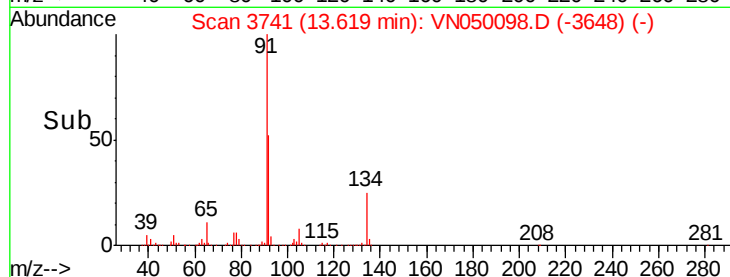
134 25.8 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3724) (-)

Ion 92.00 (91.70 to 92.70): VN050018.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN050018.D (-3724) (-)



#90

Hexachloroethane

Concen: 44.91 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050098.D

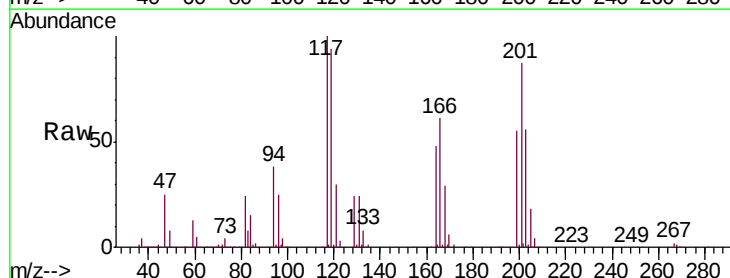
Acq: 26 Jul 2018 22:16

Tgt Ion: 117 Resp: 293126

Ion Ratio Lower Upper

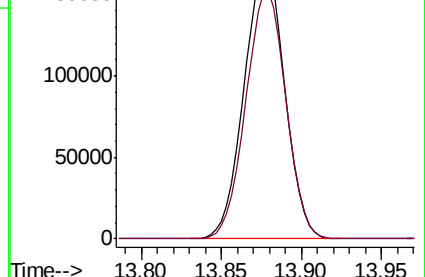
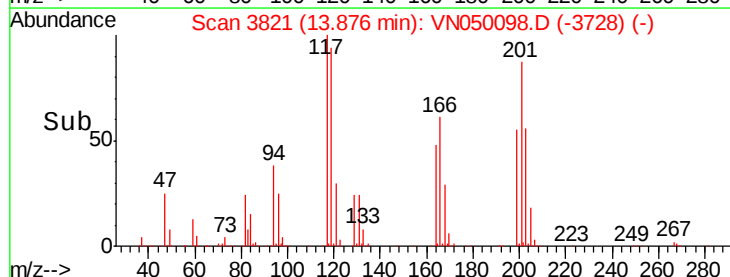
117 100

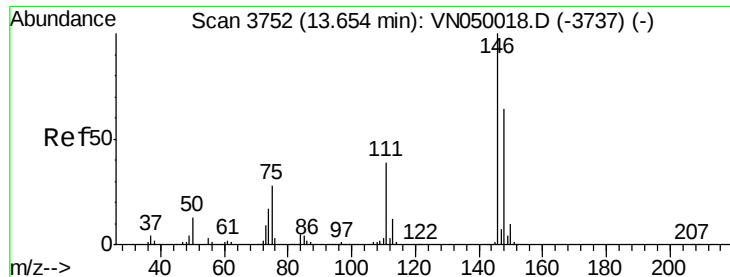
201 88.9 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): VN050018.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050018.D (-3806) (-)





#91

1,2-Dichlorobenzene

Concen: 48.53 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

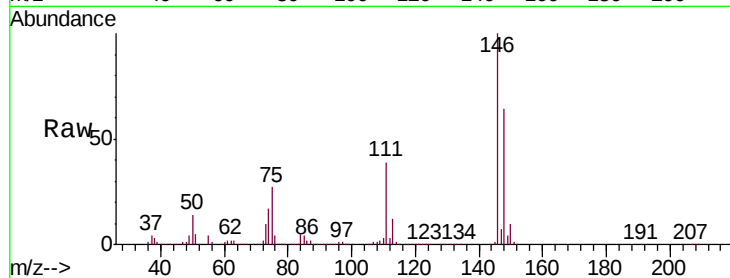
Tot Ion:146 Resp: 867038

Ion Ratio Lower Upper

146 100

111 39.7 19.6 58.7

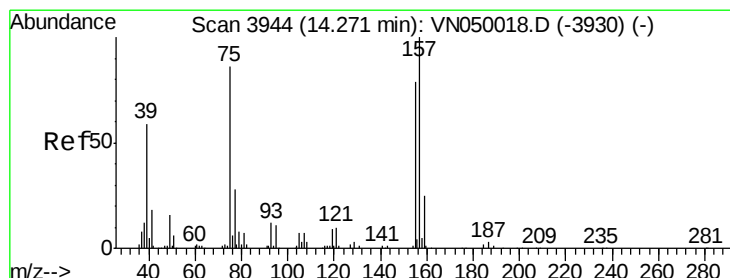
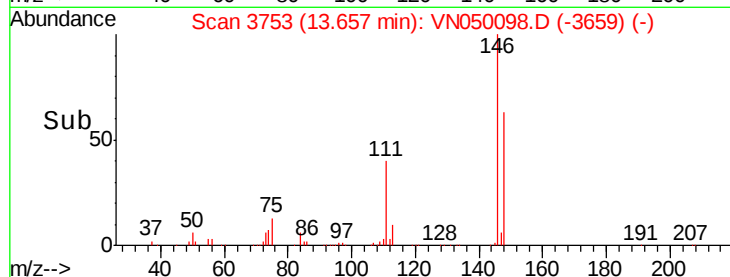
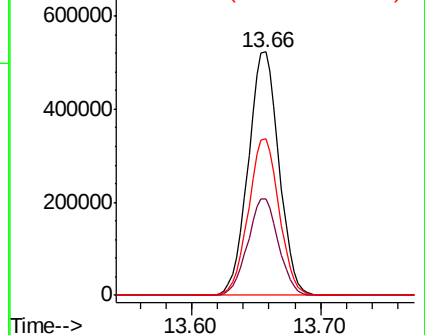
148 64.3 32.1 96.3



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: 51.63 ug/l

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

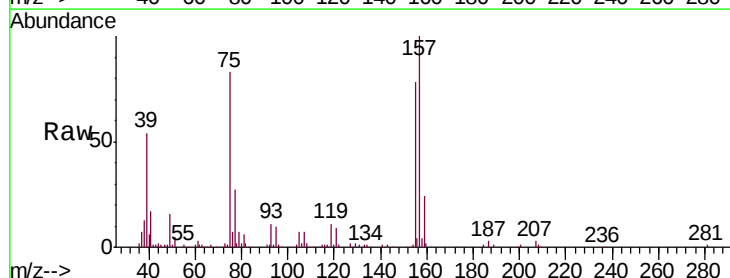
Tgt Ion: 75 Resp: 87448

Ion Ratio Lower Upper

75 100

155 90.7 44.8 134.4

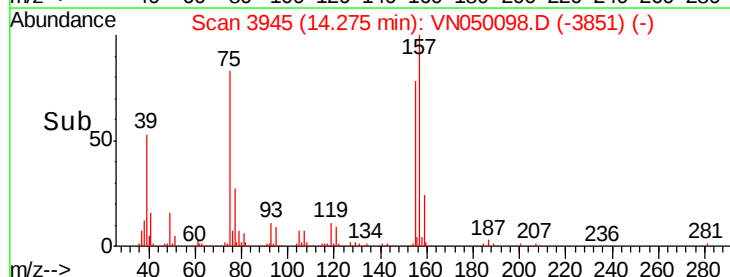
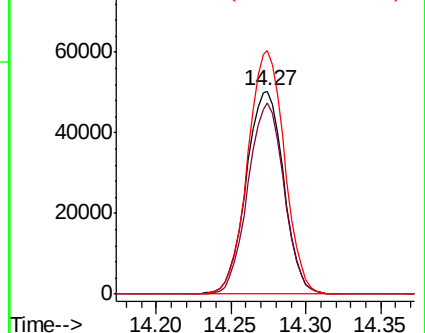
157 117.7 57.2 171.6

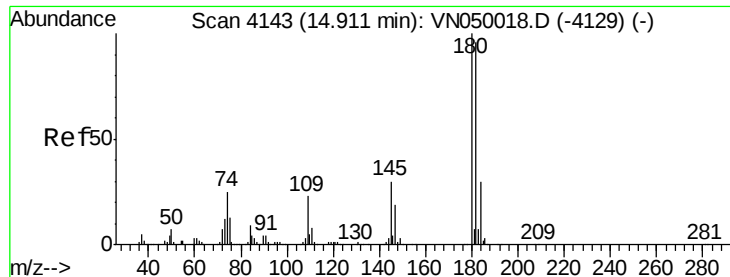


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

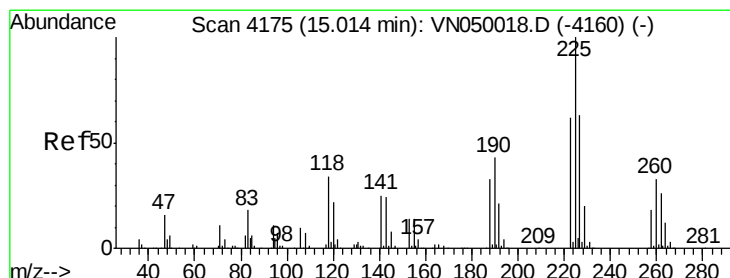
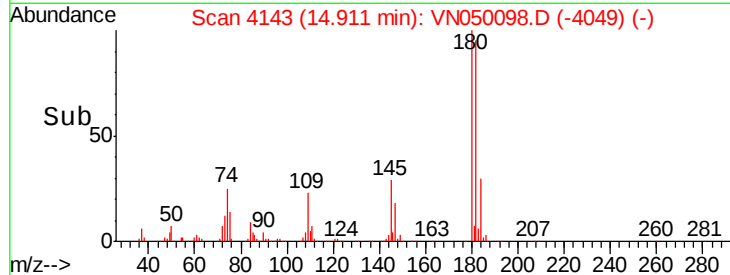
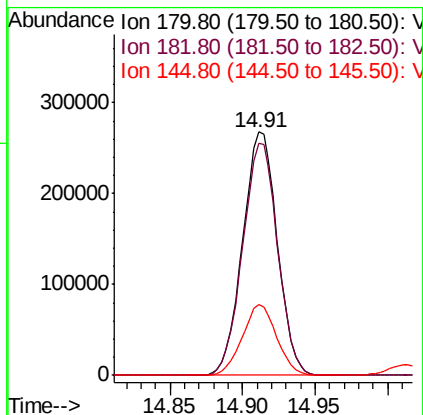
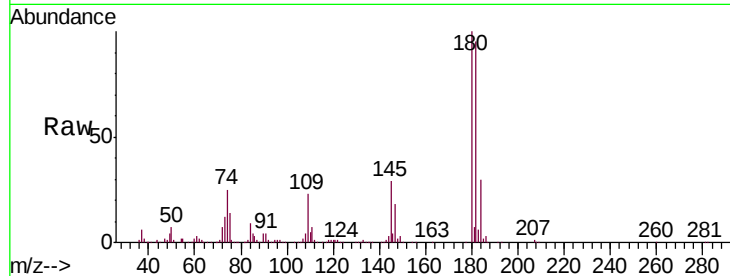




#93
 1,2,4-Trichlorobenzene
 Concen: 47.21 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

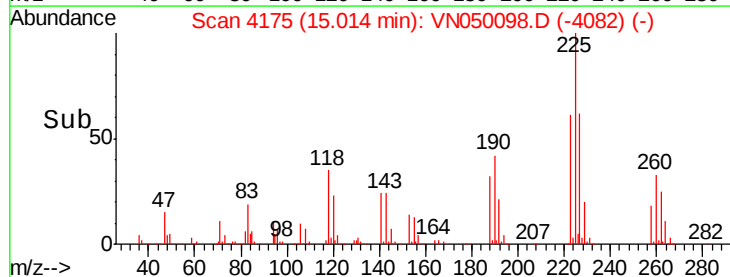
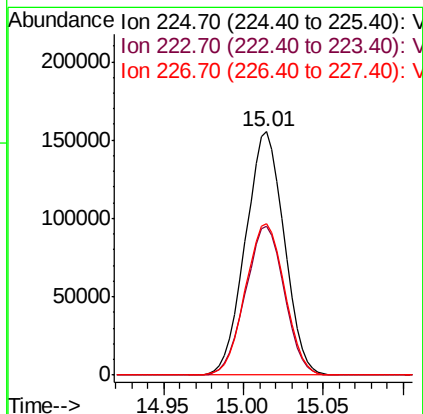
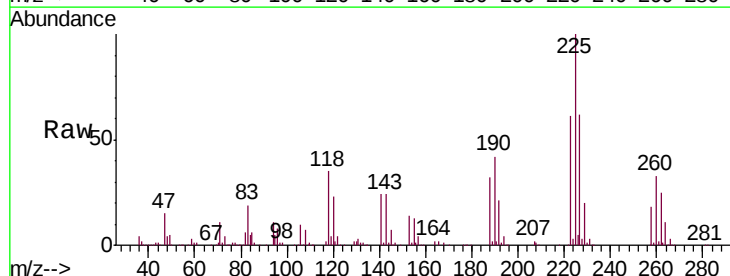
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

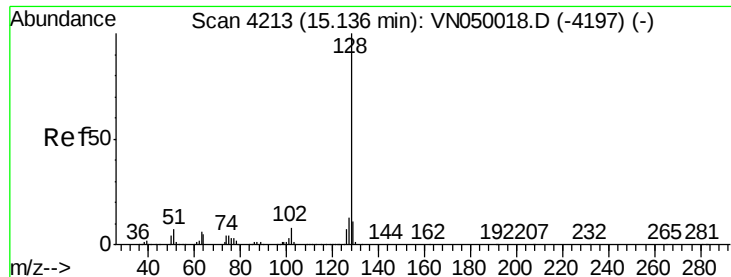
Tot Ion:180 Resp: 445510
 Ion Ratio Lower Upper
 180 100
 182 96.2 46.7 140.1
 145 28.8 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 47.13 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050098.D
 Acq: 26 Jul 2018 22:16

Tgt Ion:225 Resp: 257742
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.4 94.2
 227 63.1 32.1 96.5





#95

Naphthalene

Concen: 47.40 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Instrument :

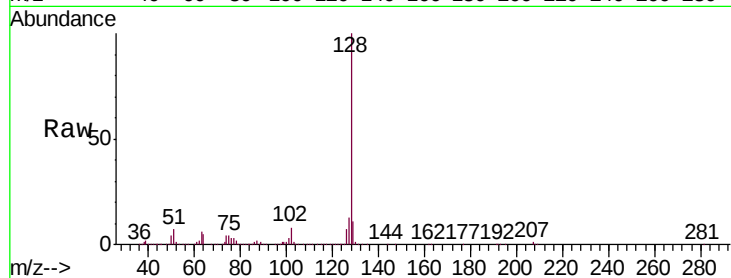
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1055977

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.8	13.2



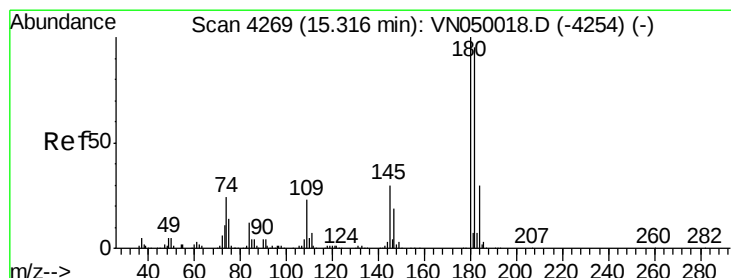
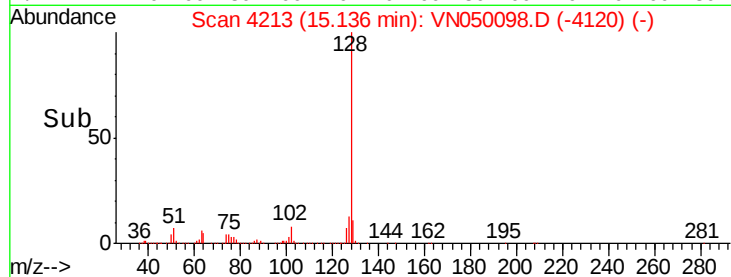
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.14

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 48.65 ug/l

RT: 15.32 min Scan# 4269

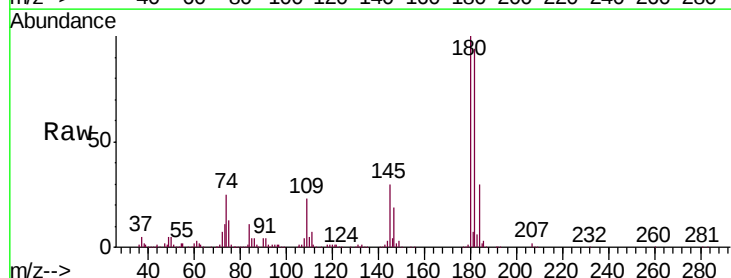
Delta R.T. -0.00 min

Lab File: VN050098.D

Acq: 26 Jul 2018 22:16

Tgt Ion:180 Resp: 448393

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.4
145	30.2	15.3	45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.32

Time-->

