

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050768.D
 Acq On : 20 Aug 2018 12:33
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 21 03:28:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	683863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	969457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	902837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	460404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	411626	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	7.59	113	391178	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	10.09	98	1487867	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.40	95	498357	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	325838	42.26	ug/l	99
3) Chloromethane	2.06	50	439778	46.78	ug/l	100
4) Vinyl Chloride	2.18	62	444536	43.40	ug/l	99
5) Bromomethane	2.56	94	257736	46.68	ug/l	99
6) Chloroethane	2.70	64	269989	47.36	ug/l	100
7) Trichlorofluoromethane	3.01	101	585897	43.60	ug/l	100
8) Diethyl Ether	3.41	74	208286	46.60	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	369588	45.48	ug/l	100
10) Methyl Iodide	3.95	142	257978	45.40	ug/l	100
11) Tert butyl alcohol	4.79	59	114190	242.60	ug/l	100
12) 1,1-Dichloroethene	3.73	96	332527	44.81	ug/l	98
13) Acrolein	3.61	56	93904	535.09	ug/l	98
14) Allyl chloride	4.32	41	550160	47.67	ug/l	98
15) Acrylonitrile	4.99	53	624194	241.46	ug/l	99
16) Acetone	3.82	43	561155	260.78	ug/l	98
17) Carbon Disulfide	4.05	76	977833	41.88	ug/l	100
18) Methyl Acetate	4.33	43	311730	51.52	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	933551	49.43	ug/l	100
20) Methylene Chloride	4.55	84	397093	48.43	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	364938	45.36	ug/l	99
22) Diisopropyl ether	5.95	45	1171702	49.51	ug/l	97
23) Vinyl Acetate	5.90	43	3859946	249.34	ug/l	100
24) 1,1-Dichloroethane	5.85	63	689001	45.00	ug/l	99
25) 2-Butanone	6.84	43	895800	253.46	ug/l	99
26) 2,2-Dichloropropane	6.83	77	569852	55.60	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	418508	46.72	ug/l	98
28) Bromochloromethane	7.20	49	336938	48.35	ug/l	99
29) Tetrahydrofuran	7.21	42	451315	244.56	ug/l	99
30) Chloroform	7.37	83	694156	44.73	ug/l	100
31) Cyclohexane	7.66	56	601978	46.04	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	591013	45.25	ug/l	100
36) 1,1-Dichloropropene	7.79	75	531901	49.29	ug/l	100
37) Ethyl Acetate	6.93	43	310049	50.83	ug/l	100
38) Carbon Tetrachloride	7.78	117	524721	46.87	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	575544	51.51	ug/l	99
40) Benzene	8.04	78	1608917	49.01	ug/l	100
41) Methacrylonitrile	7.18	41	162984	49.42	ug/l	95
42) 1,2-Dichloroethane	8.13	62	487237	48.42	ug/l	100
43) Isopropyl Acetate	8.17	43	543390	48.88	ug/l	99
44) Trichloroethene	8.84	130	421524	47.93	ug/l	98
45) 1,2-Dichloropropane	9.12	63	424815	48.60	ug/l	98
46) Dibromomethane	9.21	93	246221	47.71	ug/l	99
47) Bromodichloromethane	9.40	83	530904	48.13	ug/l	99
48) Methyl methacrylate	9.20	41	275072	49.17	ug/l	99
49) 1,4-Dioxane	9.20	88	74950	1017.06	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1958217	260.45	ug/l	100
52) Toluene	10.16	92	997788	50.90	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	539638	52.52	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	626302	53.13	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	360190	49.19	ug/l	98
56) Ethyl methacrylate	10.43	69	448612	48.10	ug/l	99
57) 1,3-Dichloropropane	10.71	76	606606	50.53	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1064192	238.33	ug/l	100
59) 2-Hexanone	10.75	43	1332534	274.60	ug/l	99
60) Dibromochloromethane	10.90	129	411243	50.88	ug/l	99
61) 1,2-Dibromoethane	11.01	107	354222	50.79	ug/l	99
64) Tetrachloroethene	10.63	164	383112	45.69	ug/l	99
65) Chlorobenzene	11.43	112	1095448	48.75	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	404950	48.08	ug/l	99
67) Ethyl Benzene	11.51	91	1879165	51.79	ug/l	99
68) m/p-Xylenes	11.62	106	1453776	104.77	ug/l	99
69) o-Xylene	11.95	106	701433	53.01	ug/l	99
70) Styrene	11.96	104	1148863	48.85	ug/l	100
71) Bromoform	12.13	173	282362	50.56	ug/l #	100
73) Isopropylbenzene	12.25	105	1855809	51.59	ug/l	99
74) N-amyl acetate	12.07	43	469883	50.21	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	450149	54.09	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	534624	72.33	ug/l #	100
77) Bromobenzene	12.53	156	476740	48.81	ug/l	99
78) n-propylbenzene	12.59	91	2119601	52.84	ug/l	100
79) 2-Chlorotoluene	12.67	91	1264246	50.55	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1532653	53.22	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115155	55.61	ug/l	98
82) 4-Chlorotoluene	12.77	91	1265629	51.21	ug/l	99
83) tert-Butylbenzene	12.99	119	1302079	52.08	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1561506	54.02	ug/l	100
85) sec-Butylbenzene	13.17	105	1736273	53.14	ug/l	100
86) p-Isopropyltoluene	13.29	119	1534505	55.43	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	821219	49.39	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	792978	48.06	ug/l	100
89) n-Butylbenzene	13.62	91	1214447	54.33	ug/l	99
90) Hexachloroethane	13.87	117	270722	48.63	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	791319	48.79	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60842	47.40	ug/l	99

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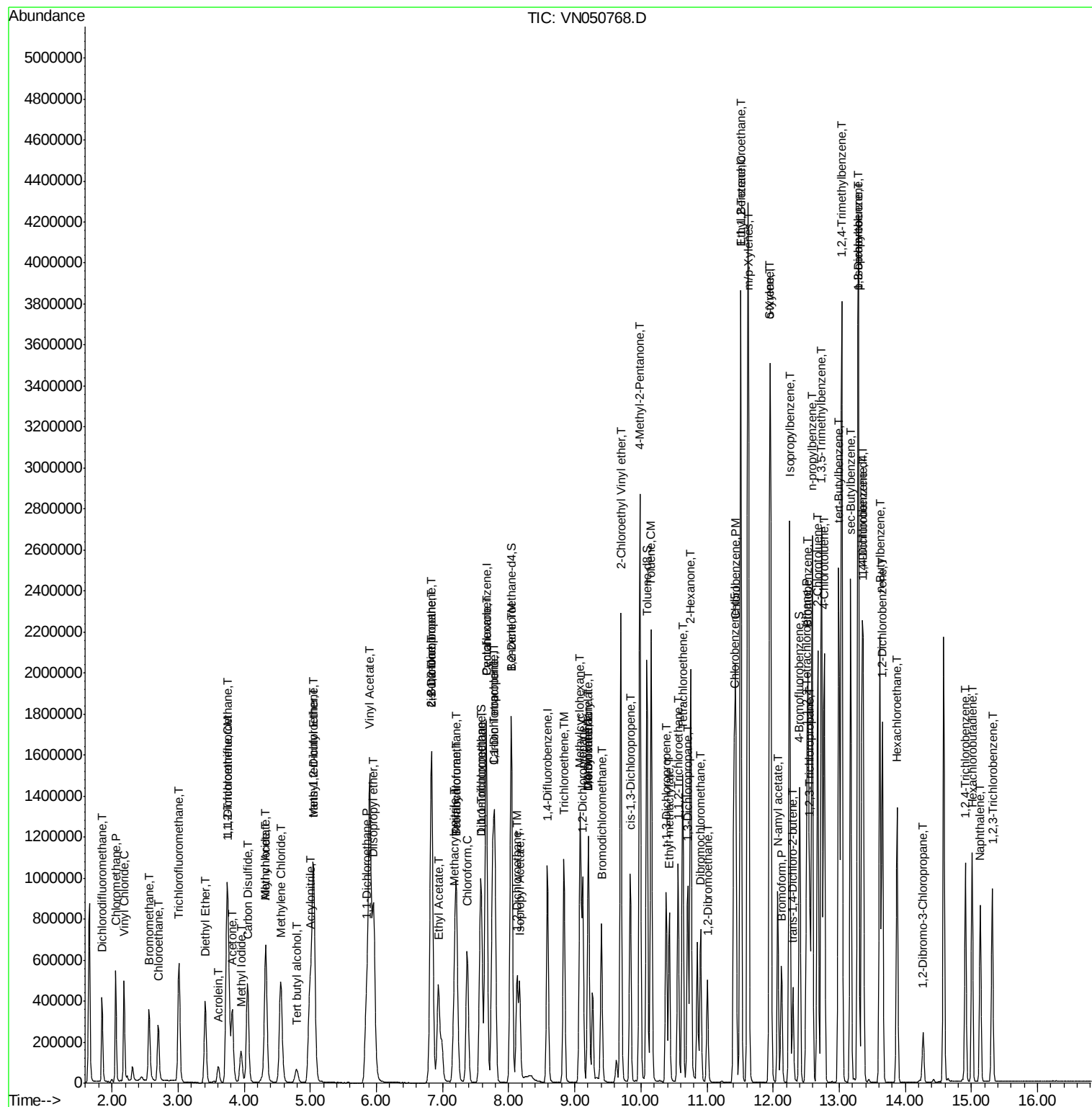
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	376014	45.43	ug/l	98
94) Hexachlorobutadiene	15.01	225	241808	48.62	ug/l	100
95) Naphthalene	15.13	128	739780	42.41	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	356109	45.96	ug/l	99

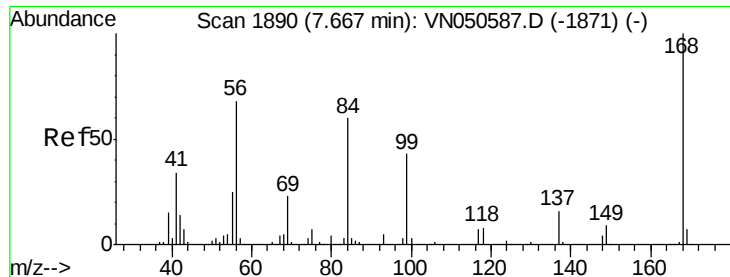
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082018\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

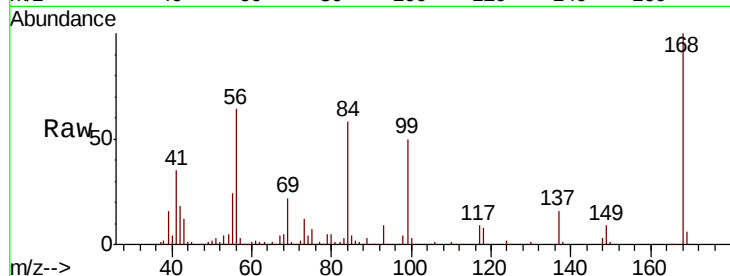
VSTDCCC050

Tot Ion:168 Resp: 683863

Ion Ratio Lower Upper

168 100

99 49.6 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

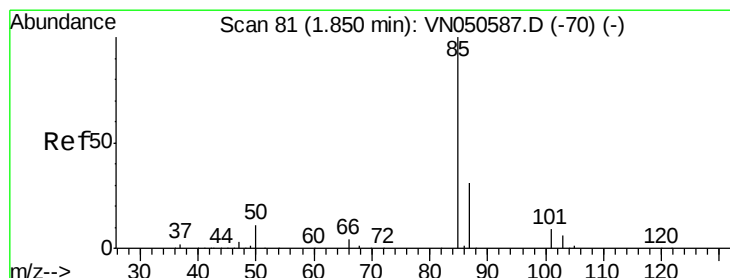
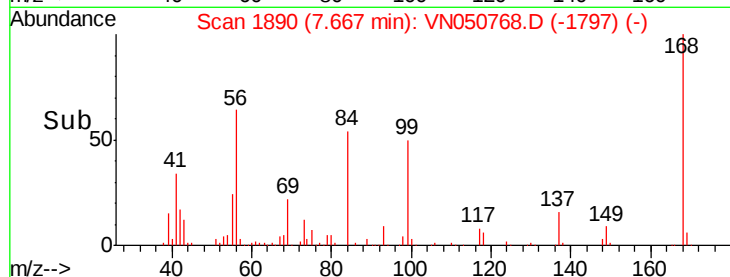
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.26 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050768.D

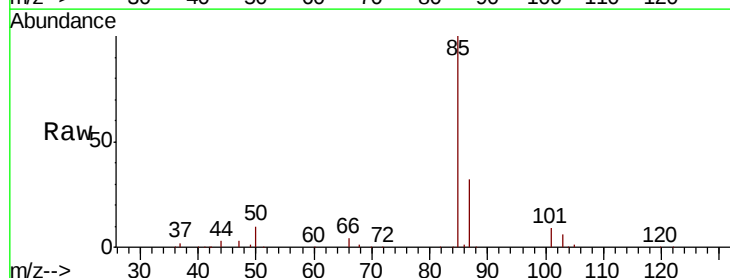
Acq: 20 Aug 2018 12:33

Tgt Ion: 85 Resp: 325838

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

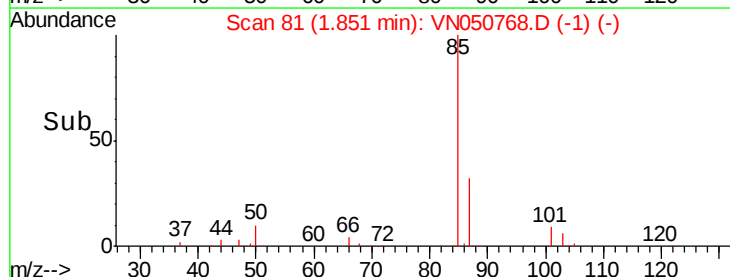
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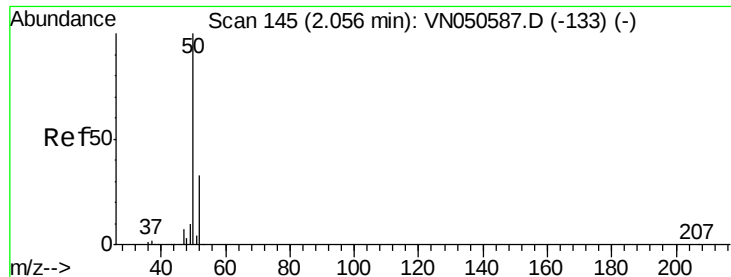
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.78 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

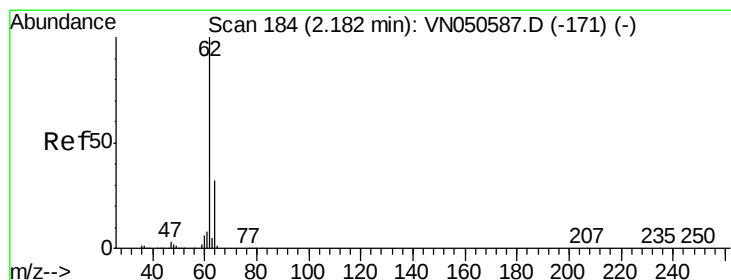
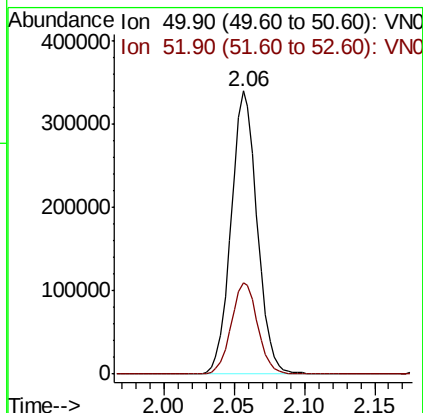
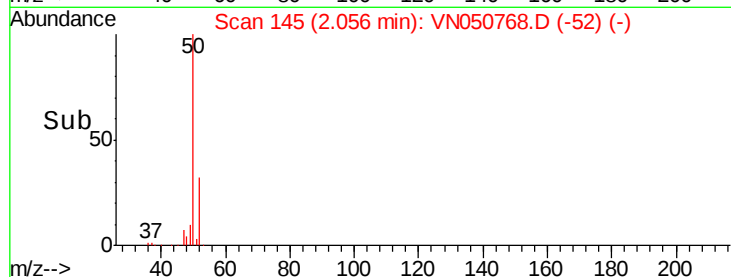
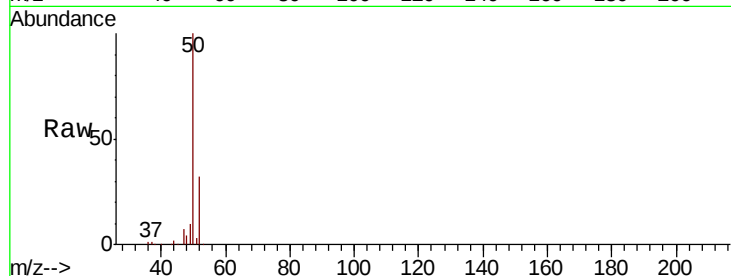
VSTDCCC050

Tot Ion: 50 Resp: 439778

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



#4

Vinyl Chloride

Concen: 43.40 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050768.D

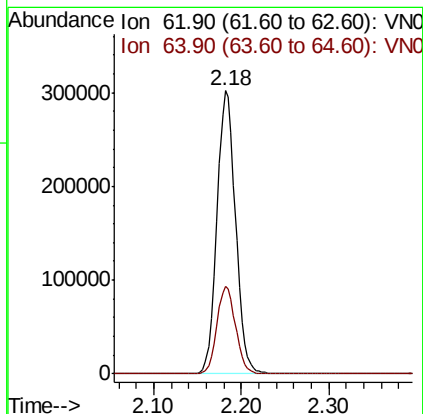
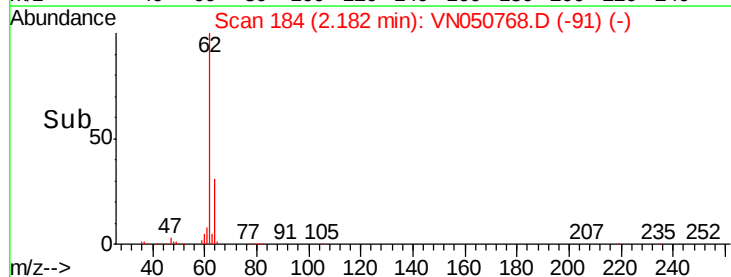
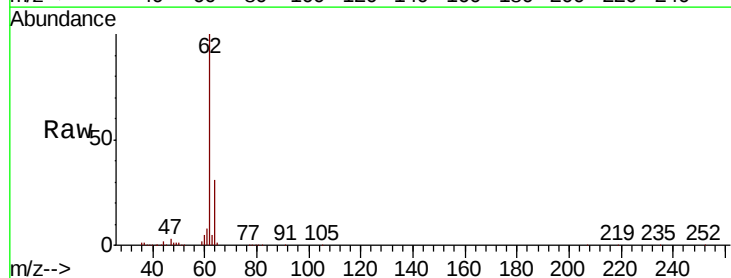
Acq: 20 Aug 2018 12:33

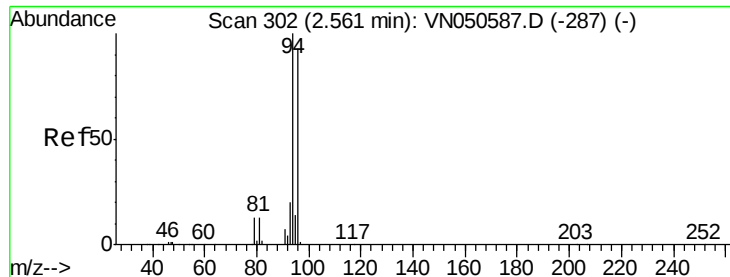
Tgt Ion: 62 Resp: 444536

Ion Ratio Lower Upper

62 100

64 31.0 25.2 37.8





#5

Bromomethane

Concen: 46.68 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

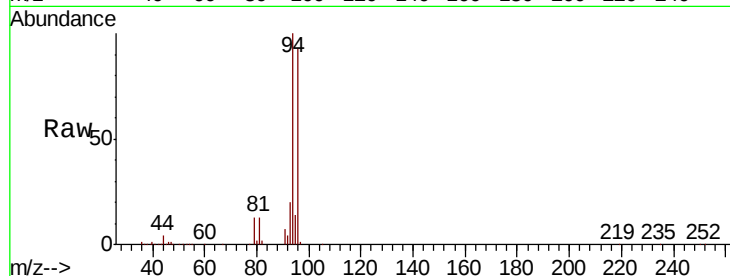
VSTDCCC050

Tot Ion: 94 Resp: 257736

Ion Ratio Lower Upper

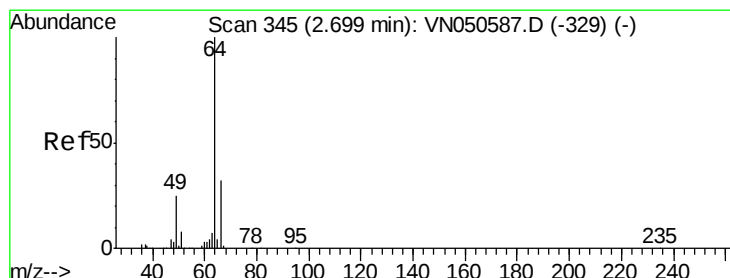
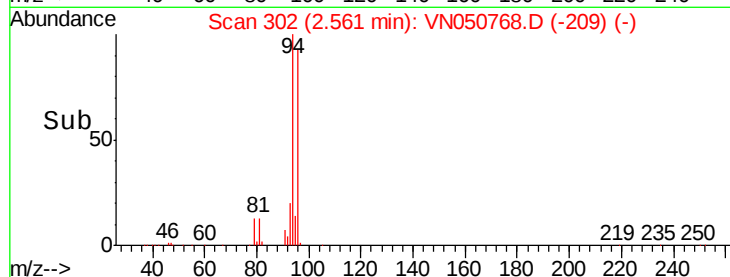
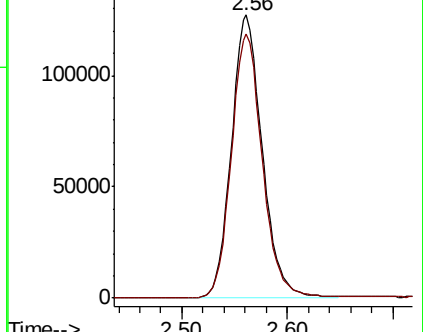
94 100

96 93.3 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN050768.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN050768.D (-287) (-)



#6

Chloroethane

Concen: 47.36 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050768.D

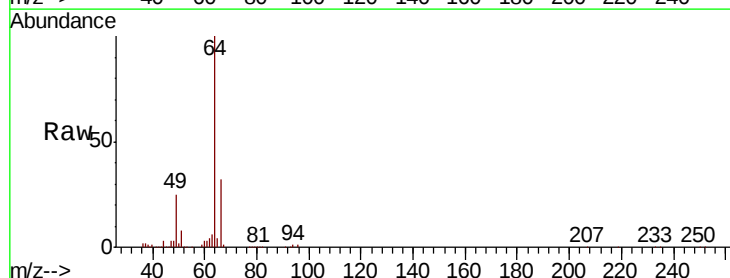
Acq: 20 Aug 2018 12:33

Tgt Ion: 64 Resp: 269989

Ion Ratio Lower Upper

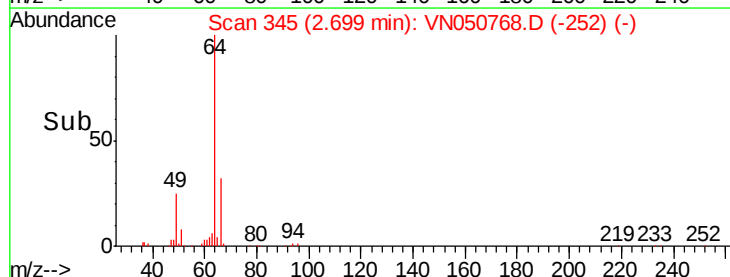
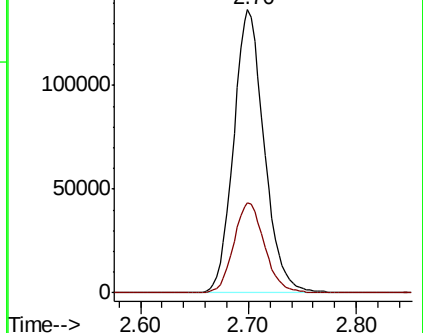
64 100

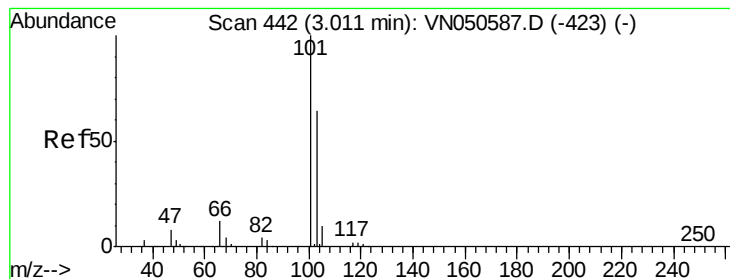
66 31.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN050768.D (-329) (-)

Ion 65.90 (65.60 to 66.60): VN050768.D (-329) (-)



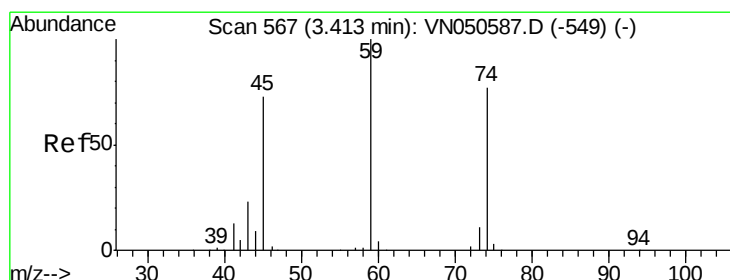
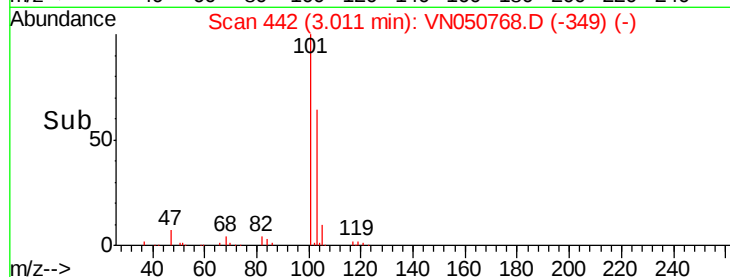
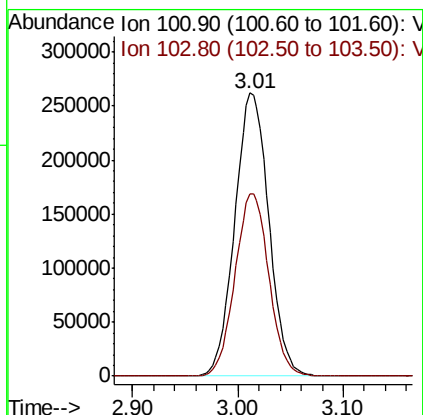
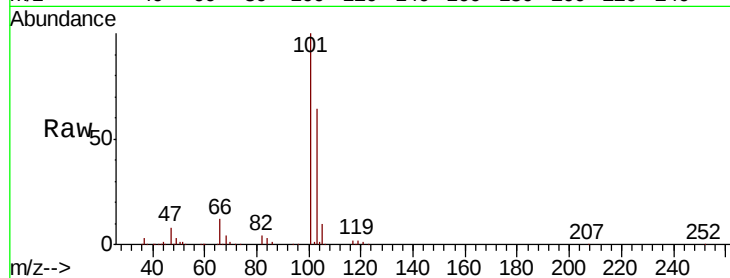


#7

Trichlorofluoromethane
 Concen: 43.60 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

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 VSTDCCC050

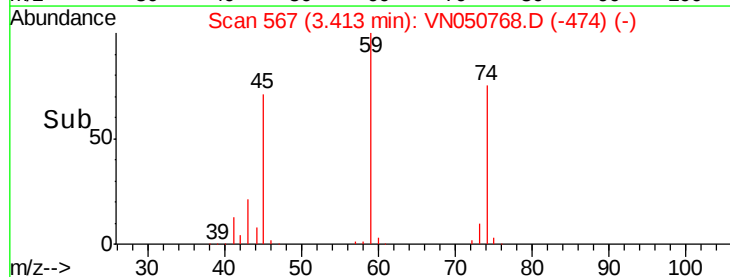
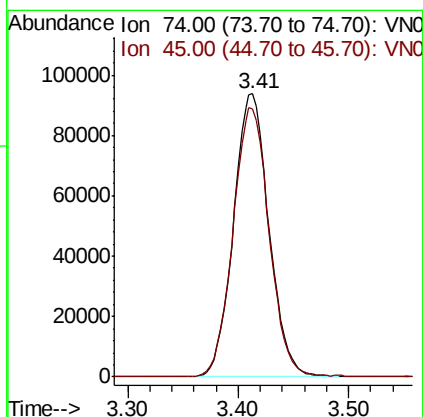
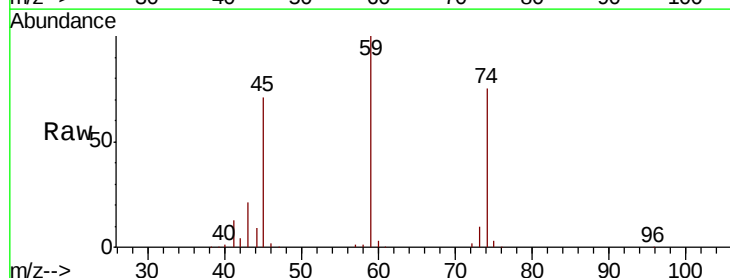
Tot Ion:101 Resp: 585897
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.0

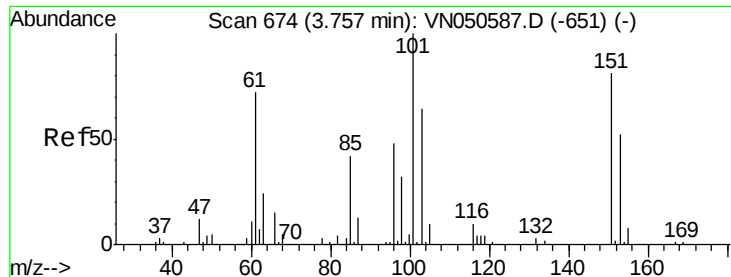


#8

Diethyl Ether
 Concen: 46.60 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion: 74 Resp: 208286
 Ion Ratio Lower Upper
 74 100
 45 97.0 48.0 144.2

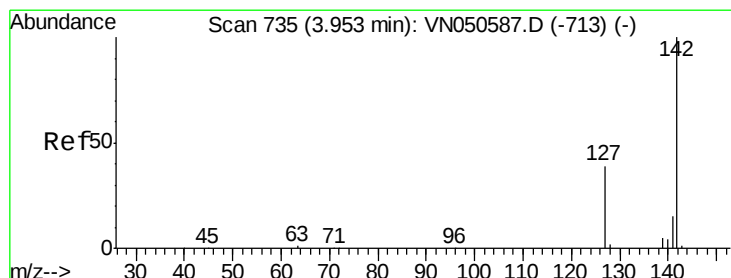
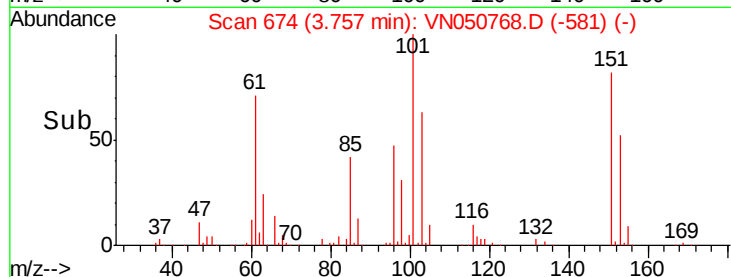
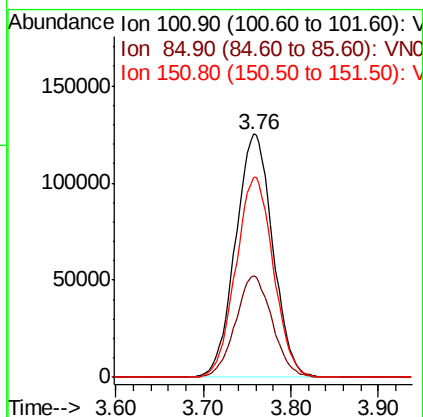
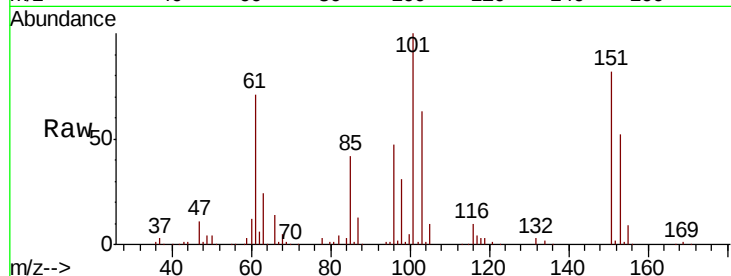




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.48 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

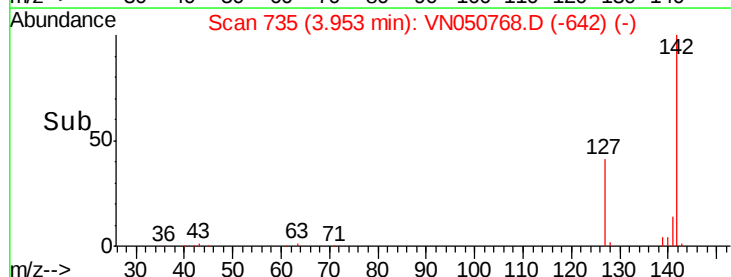
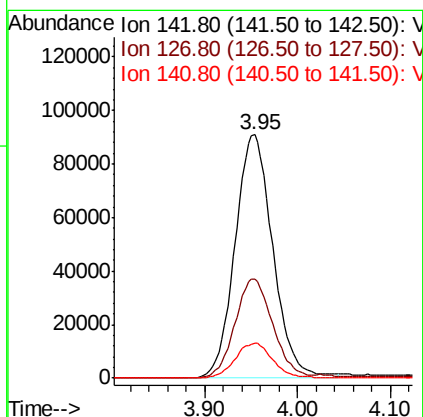
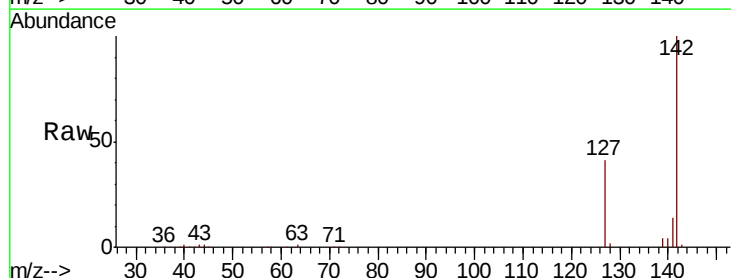
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

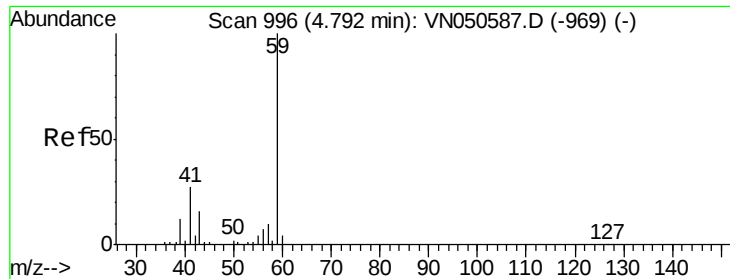
Tot Ion	Ratio	Lower	Upper
101	100		
85	41.3	33.4	50.0
151	83.0	66.6	100.0



#10
 Methyl Iodide
 Concen: 45.40 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.8	32.6	49.0
141	14.3	11.5	17.3

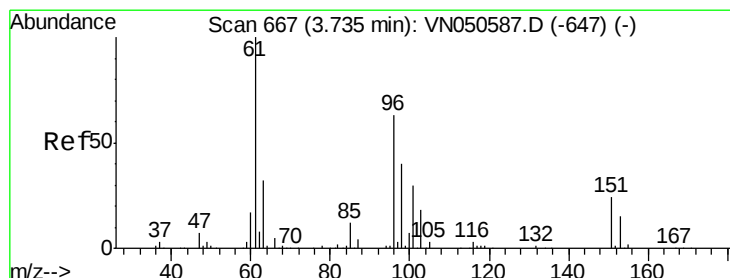
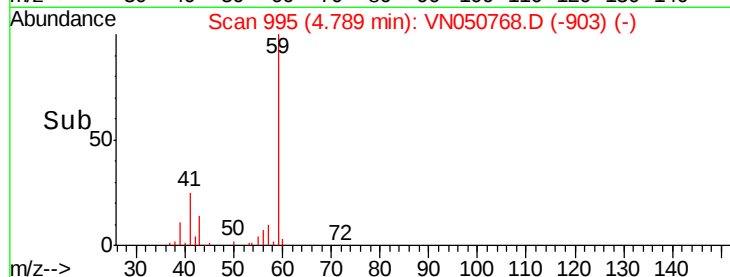
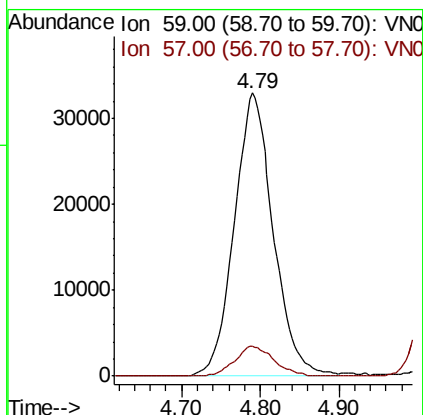
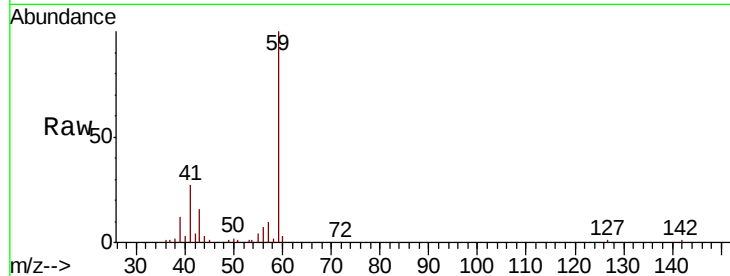




#11
Tert butyl alcohol
Concen: 242.60 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

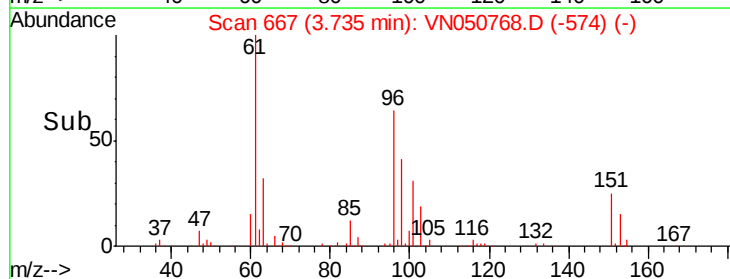
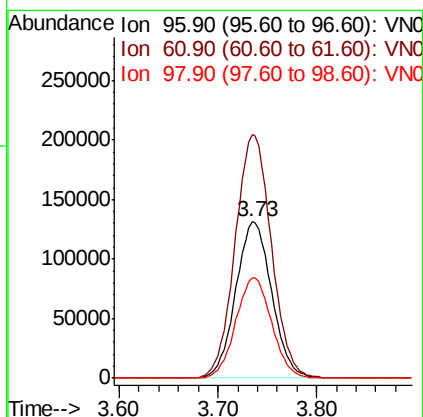
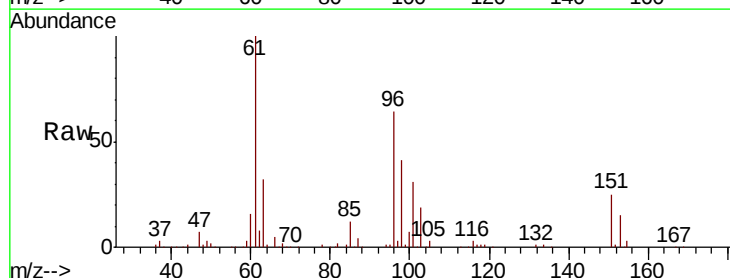
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

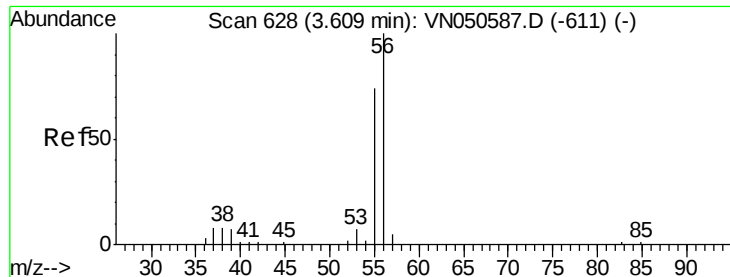
Tot Ion: 59 Resp: 114190
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6



#12
1,1-Dichloroethene
Concen: 44.81 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 96 Resp: 332527
Ion Ratio Lower Upper
96 100
61 156.0 126.9 190.3
98 64.6 51.1 76.7





#13

Acrolein

Concen: 535.09 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

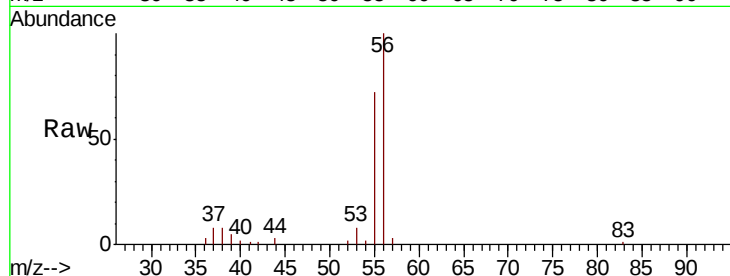
VSTDCCC050

Tot Ion: 56 Resp: 93904

Ion Ratio Lower Upper

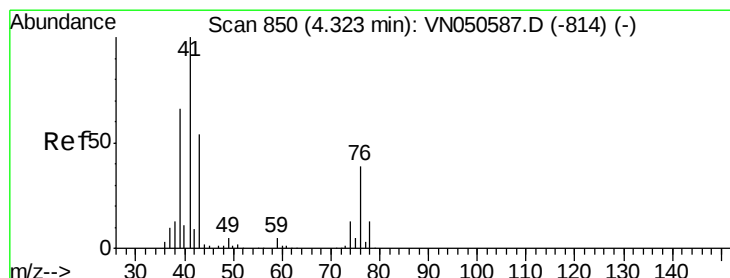
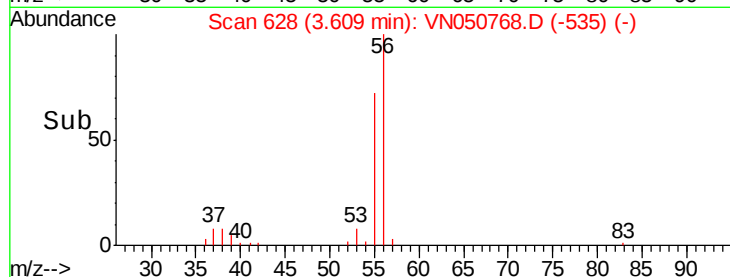
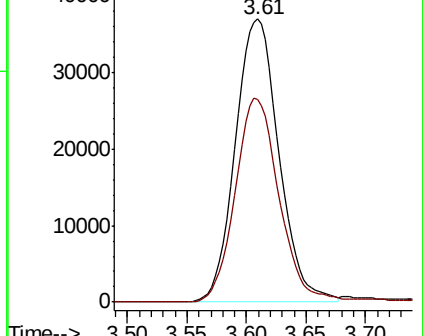
56 100

55 72.2 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN050587.D (-611) (-)

Ion 55.00 (54.70 to 55.70): VN050587.D (-611) (-)



#14

Allyl chloride

Concen: 47.67 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

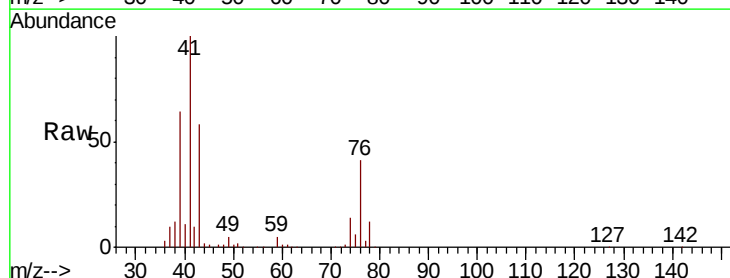
Tgt Ion: 41 Resp: 550160

Ion Ratio Lower Upper

41 100

39 61.9 51.4 77.0

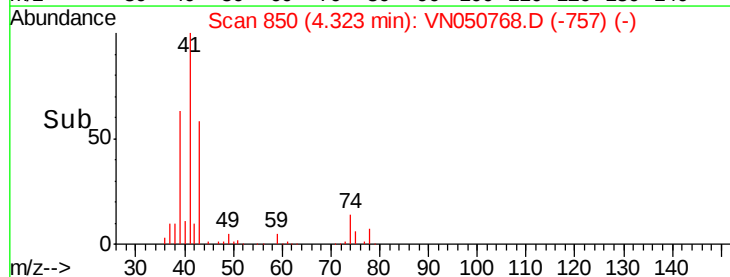
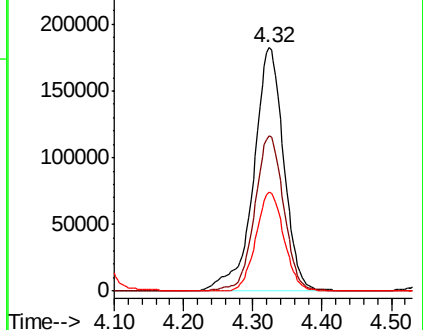
76 37.3 29.4 44.0

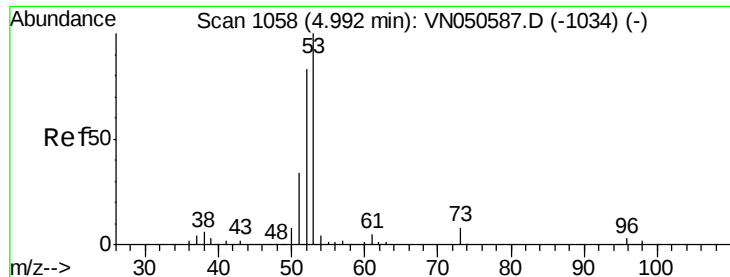


Abundance Ion 41.00 (40.70 to 41.70): VN050587.D (-814) (-)

Ion 39.00 (38.70 to 39.70): VN050587.D (-814) (-)

Ion 75.90 (75.60 to 76.60): VN050587.D (-814) (-)

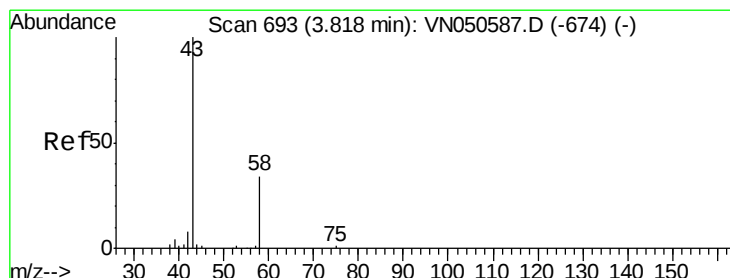
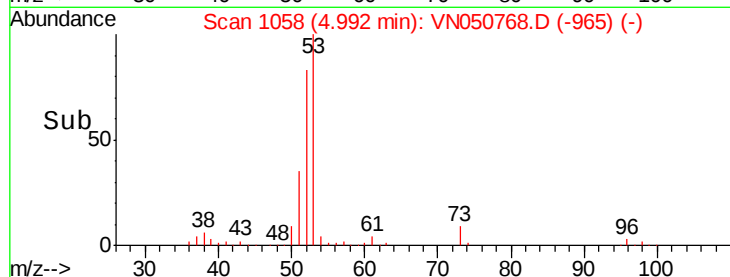
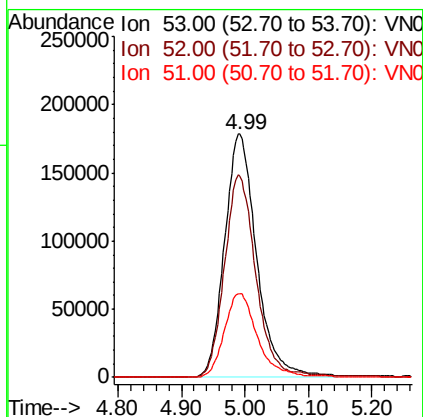
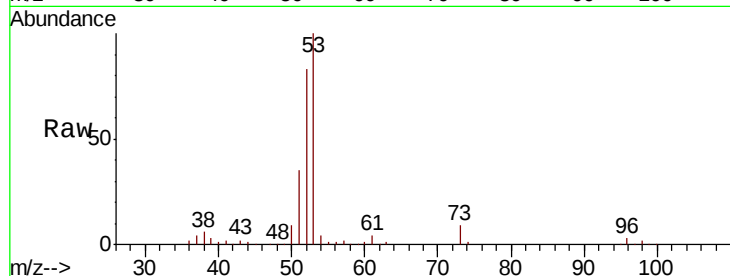




#15
 Acrylonitrile
 Concen: 241.46 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

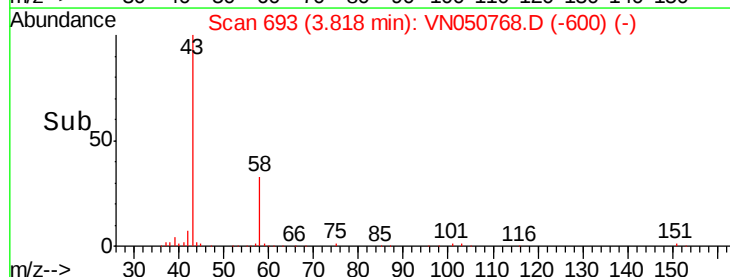
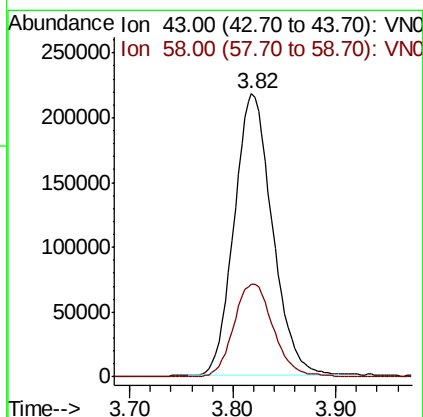
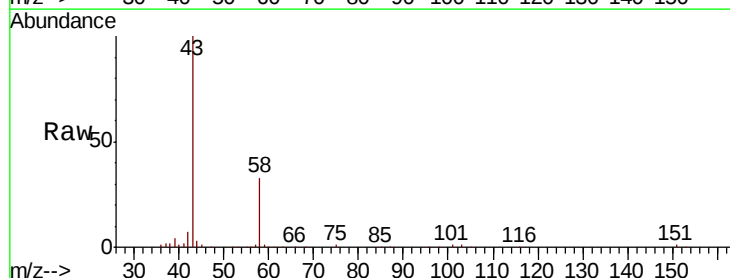
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

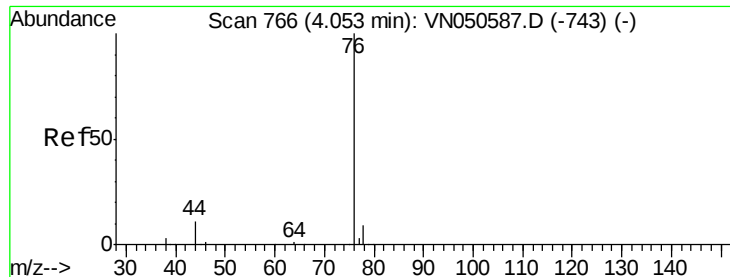
Tot Ion: 53 Resp: 624194
 Ion Ratio Lower Upper
 53 100
 52 81.5 66.2 99.2
 51 35.5 28.6 43.0



#16
 Acetone
 Concen: 260.78 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion: 43 Resp: 561155
 Ion Ratio Lower Upper
 43 100
 58 32.8 27.1 40.7

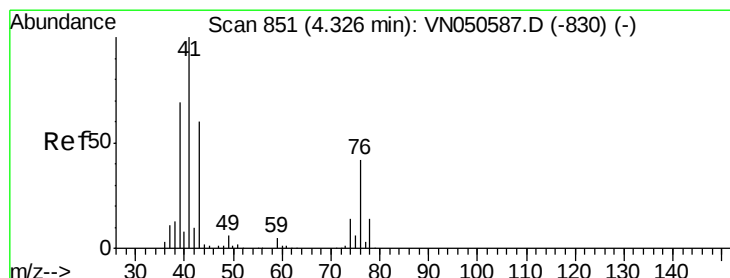
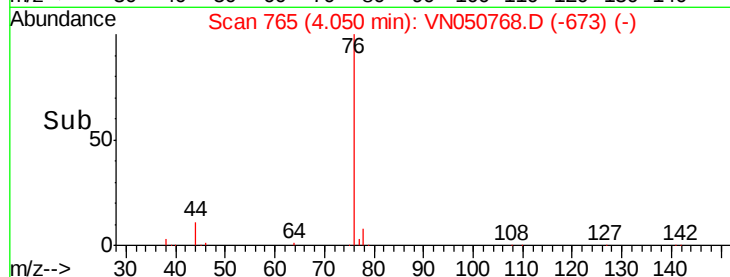
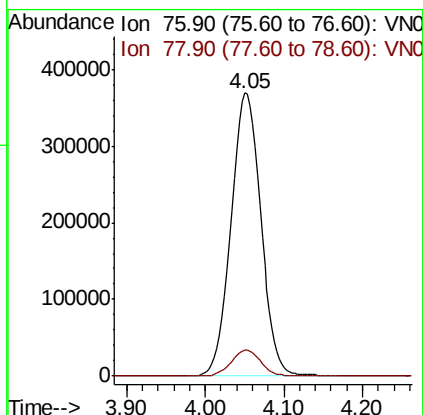
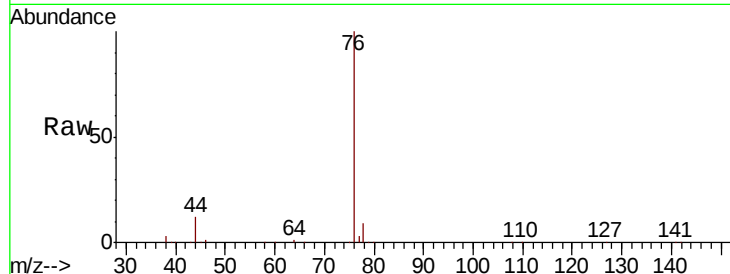




#17
Carbon Disulfide
Concen: 41.88 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

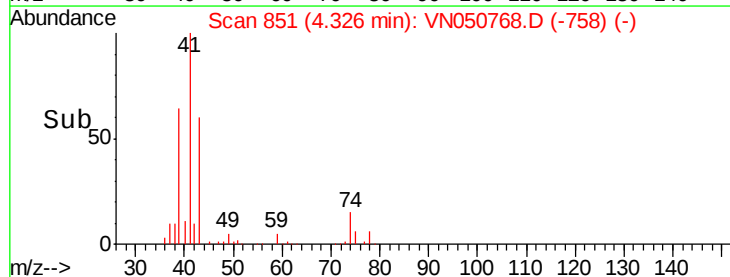
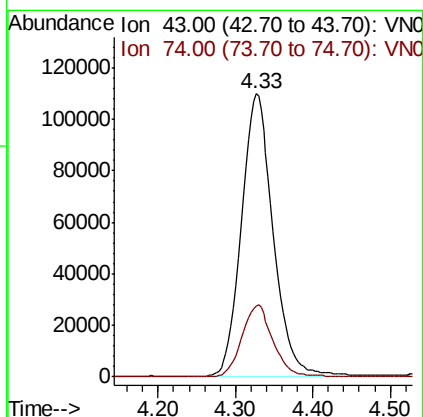
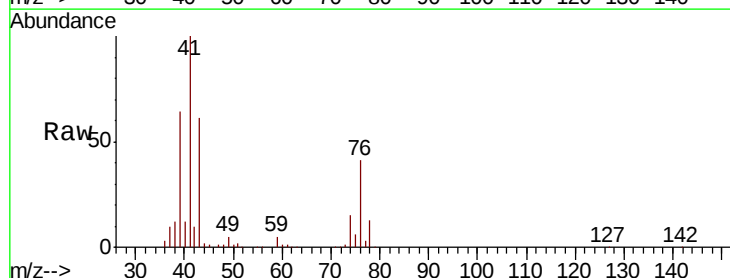
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

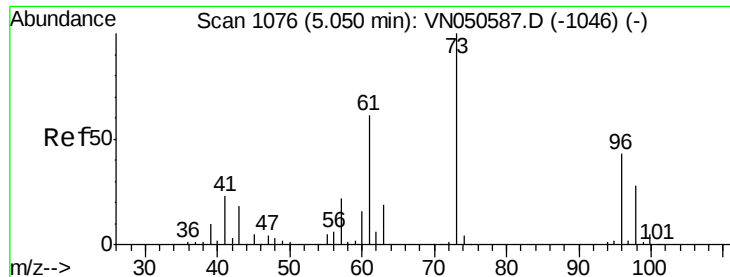
Tot Ion: 76 Resp: 977833
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 51.52 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 43 Resp: 311730
Ion Ratio Lower Upper
43 100
74 24.8 19.7 29.5

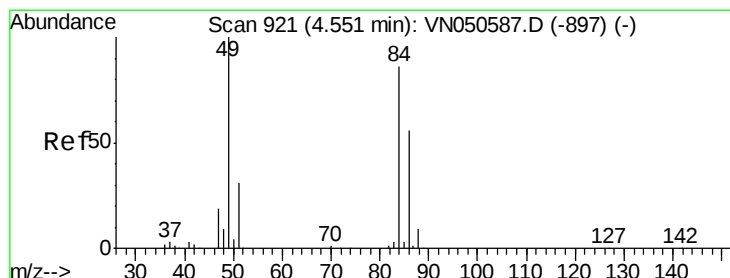
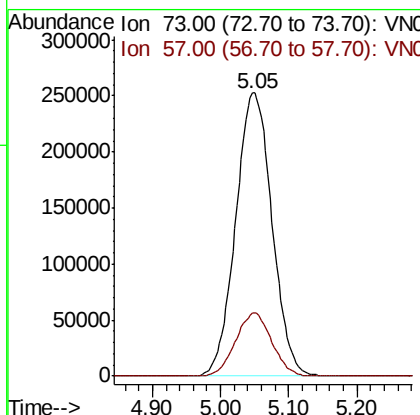
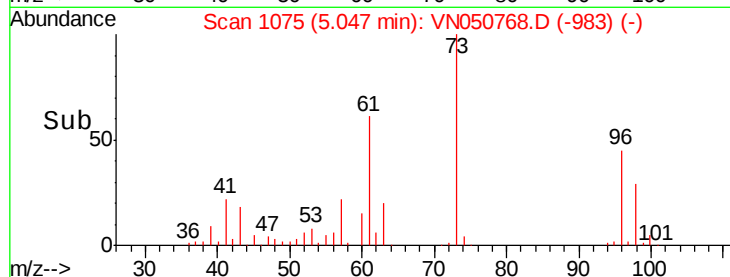
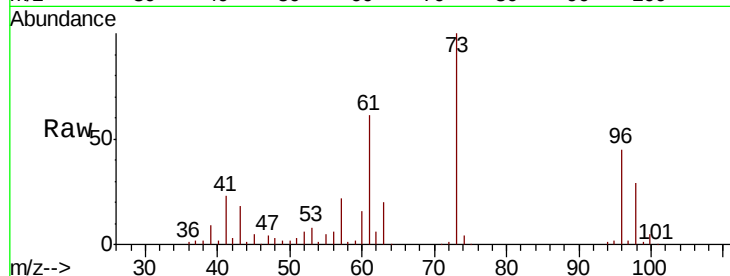




#19
Methyl tert-butyl Ether
Concen: 49.43 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

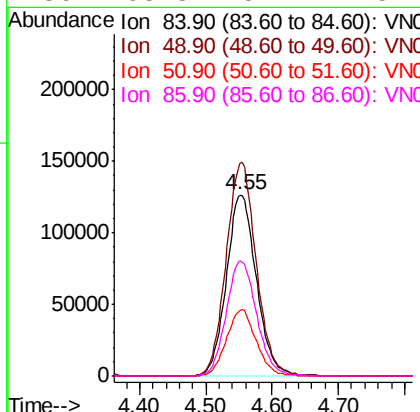
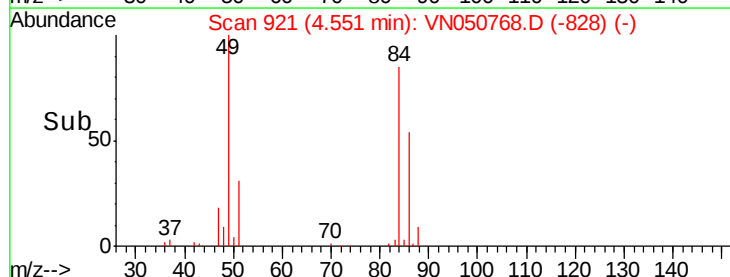
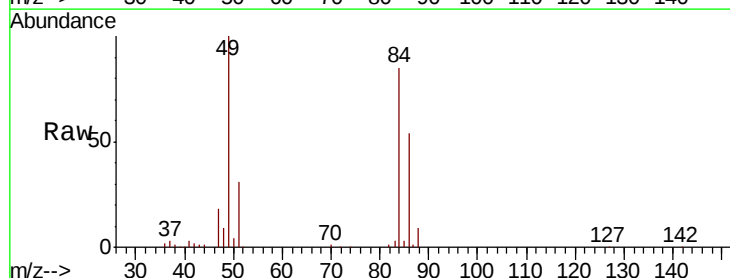
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

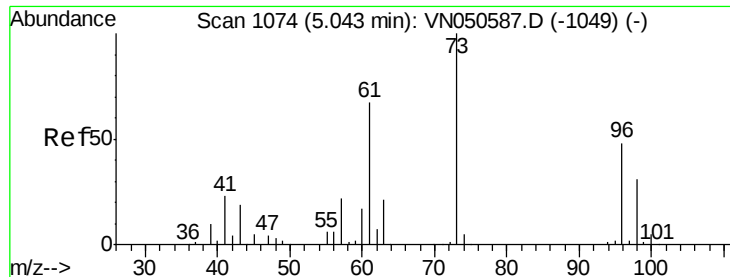
Tot Ion: 73 Resp: 933551
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#20
Methylene Chloride
Concen: 48.43 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 84 Resp: 397093
Ion Ratio Lower Upper
84 100
49 117.5 92.6 138.8
51 36.4 28.6 43.0
86 63.8 52.2 78.2

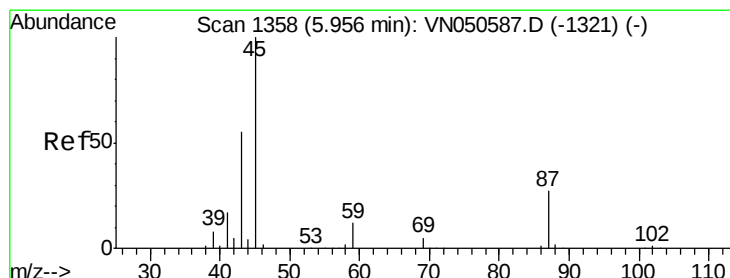
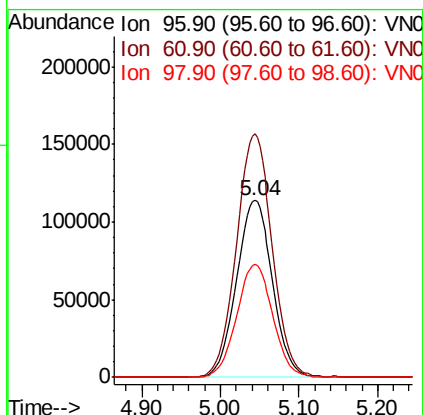
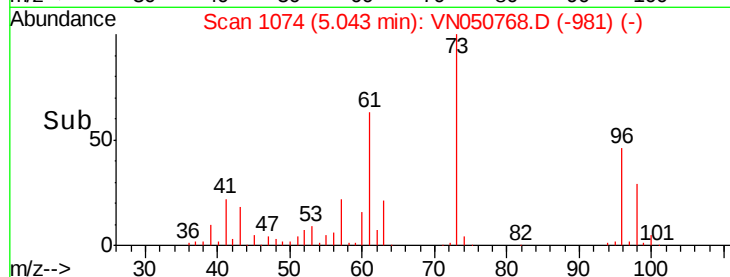
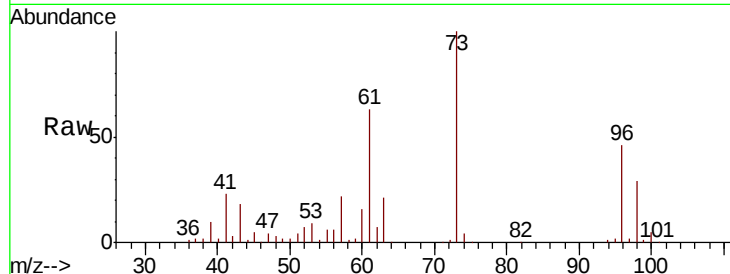




#21
trans-1,2-Dichloroethene
Concen: 45.36 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

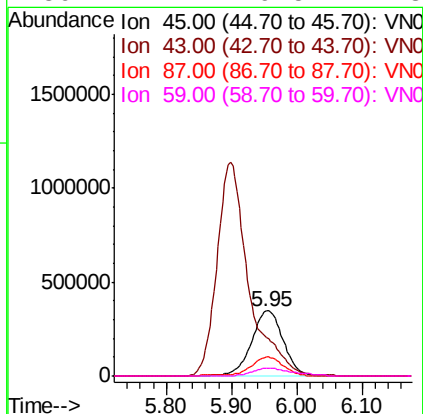
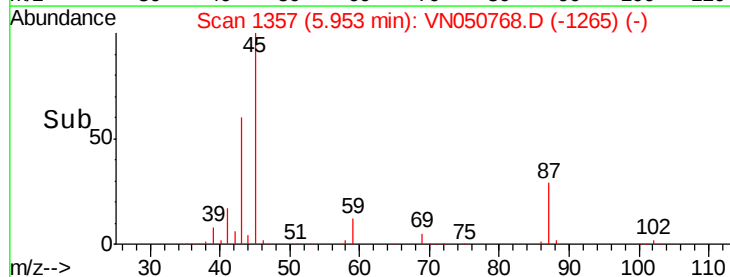
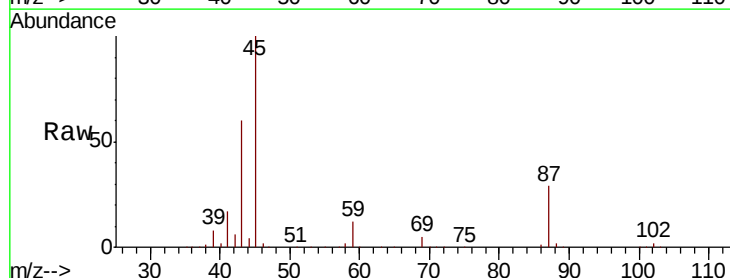
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

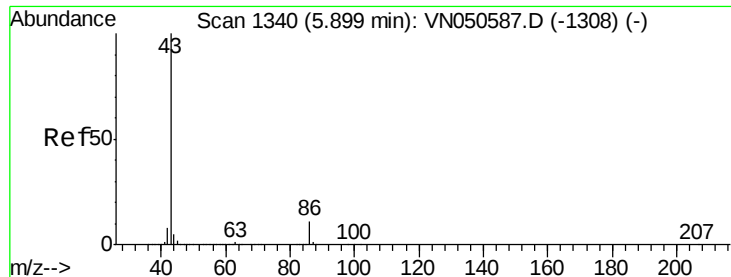
Tot Ion: 96 Resp: 364938
Ion Ratio Lower Upper
96 100
61 137.7 111.2 166.8
98 64.1 51.6 77.4



#22
Diisopropyl ether
Concen: 49.51 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 45 Resp: 1171702
Ion Ratio Lower Upper
45 100
43 58.9 44.5 66.7
87 28.7 22.2 33.2
59 12.1 9.5 14.3





#23

Vinyl Acetate

Concen: 249.34 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

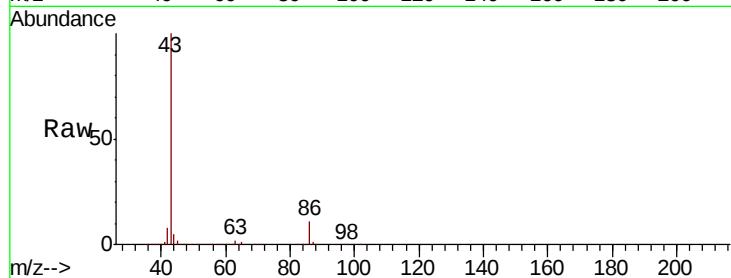
VSTDCCC050

Tot Ion: 43 Resp: 3859946

Ion Ratio Lower Upper

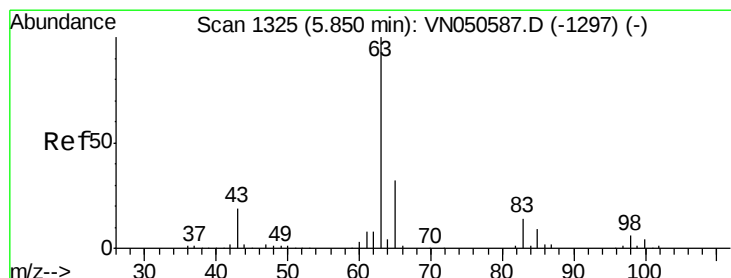
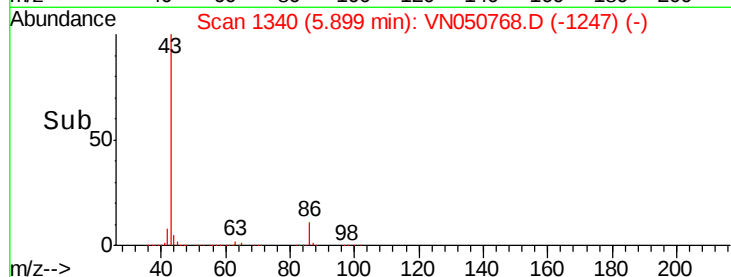
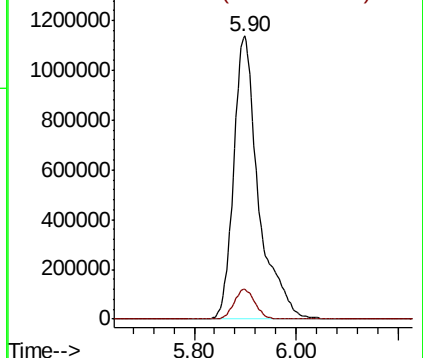
43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-1308) (-)

Ion 86.00 (85.70 to 86.70): VN050587.D (-1308) (-)



#24

1,1-Dichloroethane

Concen: 45.00 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

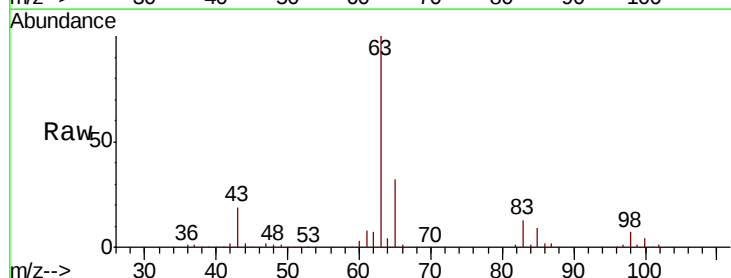
Tgt Ion: 63 Resp: 689001

Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

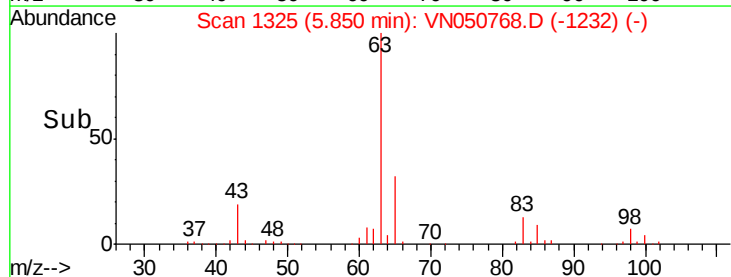
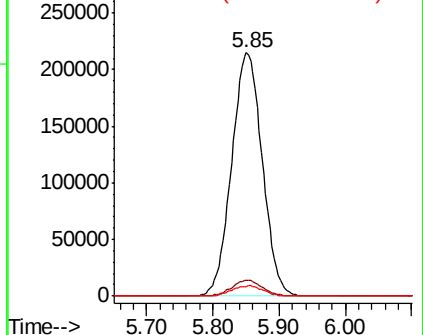
100 4.1 2.1 6.5

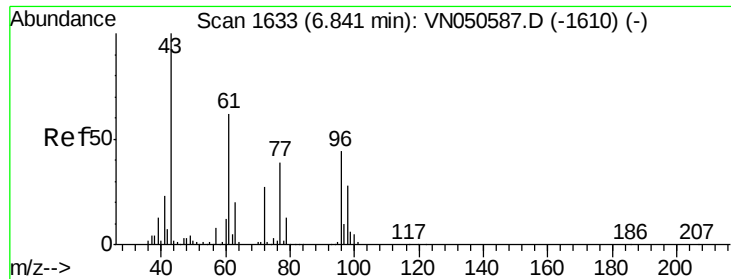


Abundance Ion 62.90 (62.60 to 63.60): VN050587.D (-1297) (-)

Ion 97.90 (97.60 to 98.60): VN050587.D (-1297) (-)

Ion 99.90 (99.60 to 100.60): VN050587.D (-1297) (-)

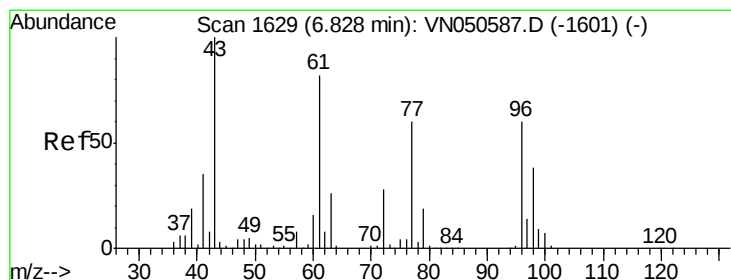
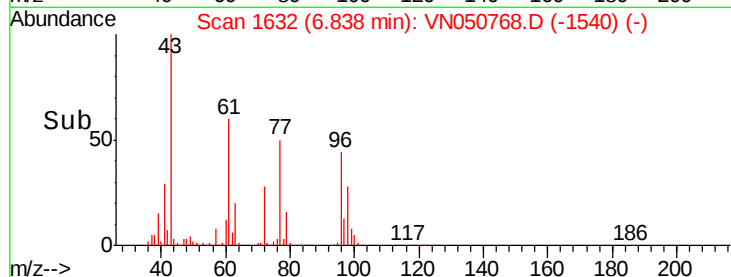
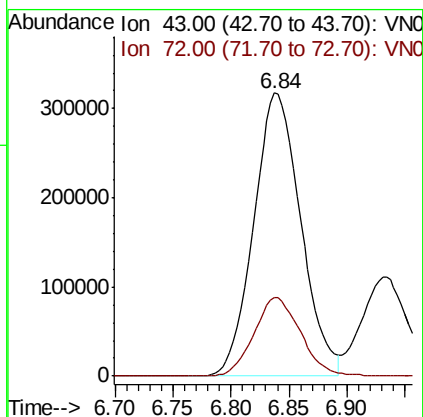
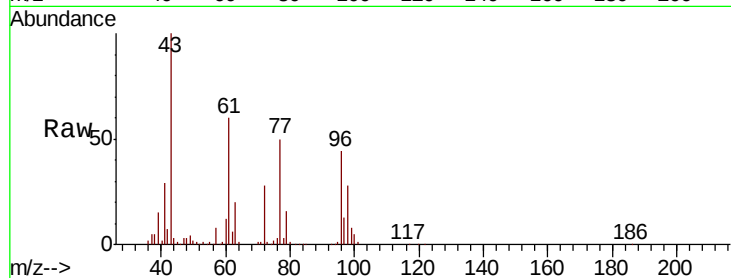




#25
2-Butanone
Concen: 253.46 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

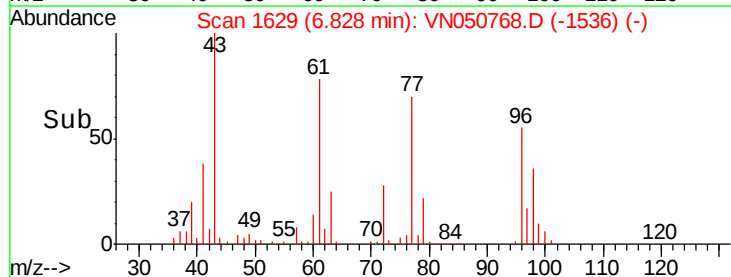
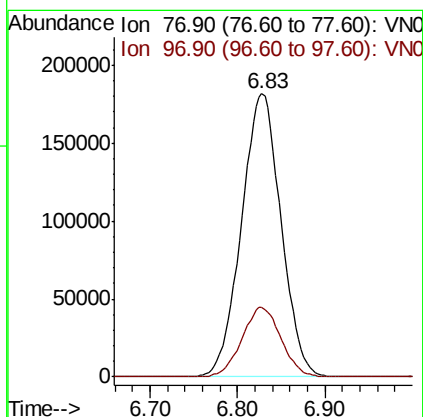
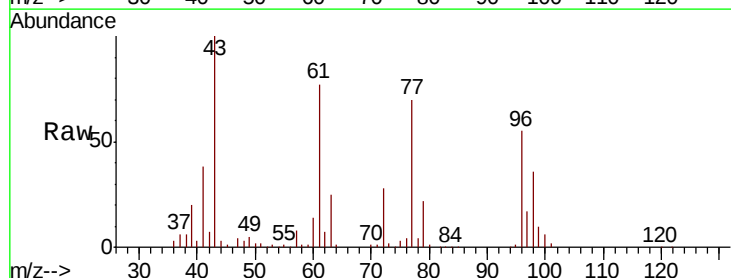
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

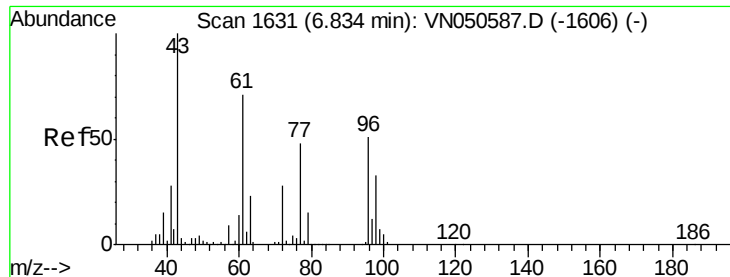
Tot Ion: 43 Resp: 895800
Ion Ratio Lower Upper
43 100
72 28.0 21.8 32.6



#26
2,2-Dichloropropane
Concen: 55.60 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 77 Resp: 569852
Ion Ratio Lower Upper
77 100
97 24.3 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 46.72 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

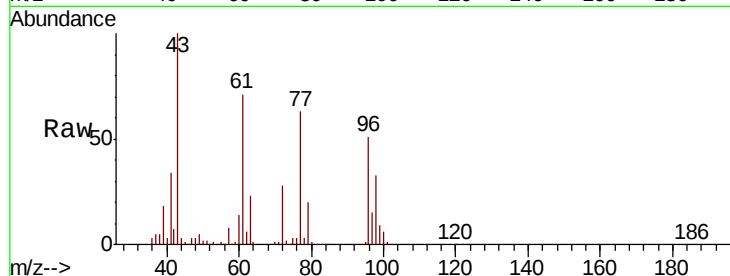
Tot Ion: 96 Resp: 418508

Ion Ratio Lower Upper

96 100

61 143.1 0.0 278.2

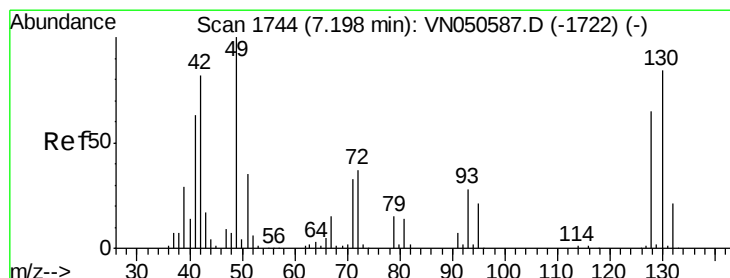
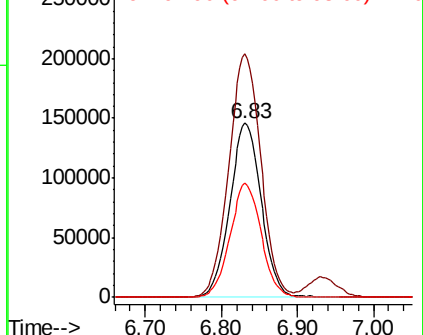
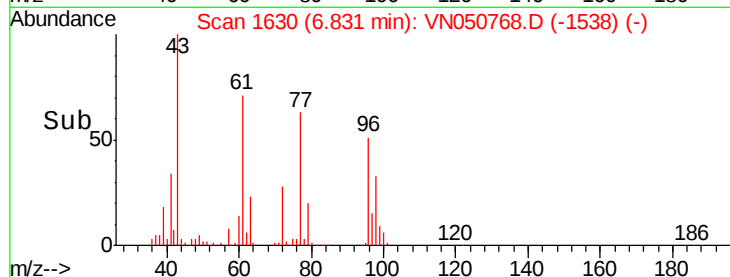
98 65.0 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.35 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

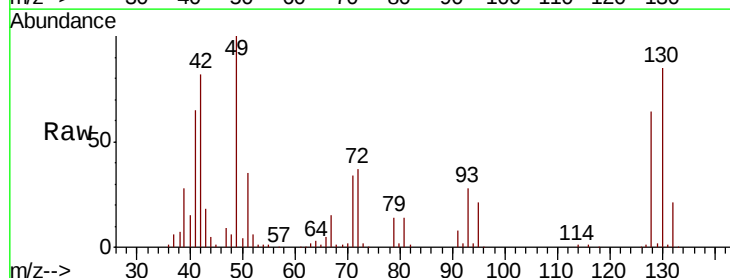
Tgt Ion: 49 Resp: 336938

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

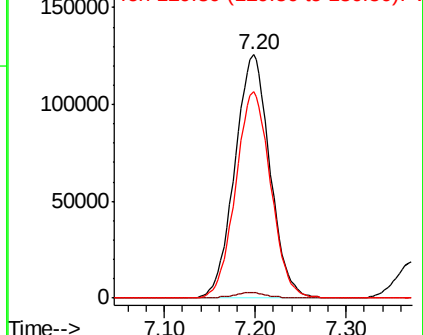
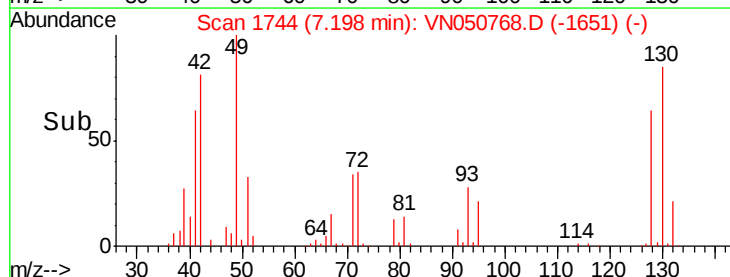
130 84.7 66.8 100.2

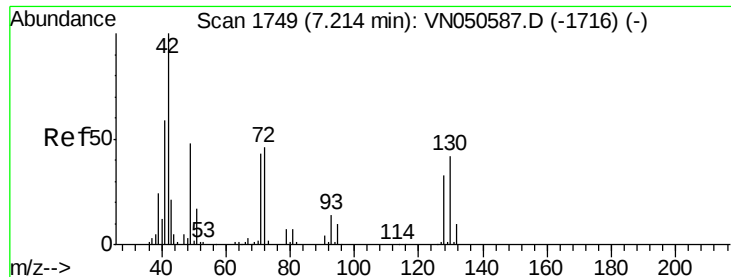


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

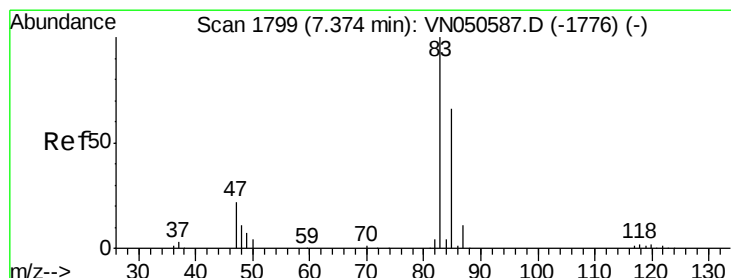
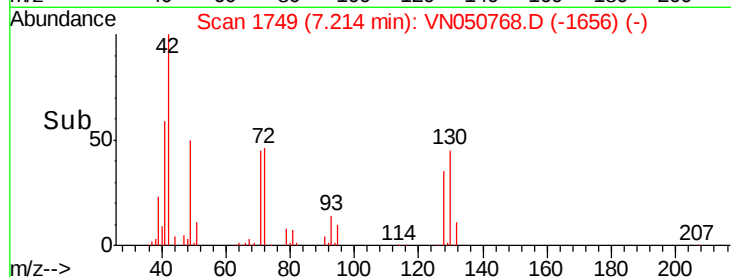
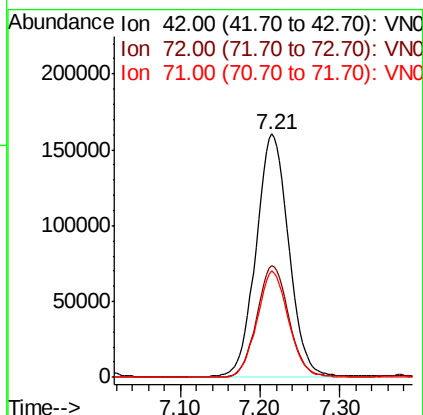
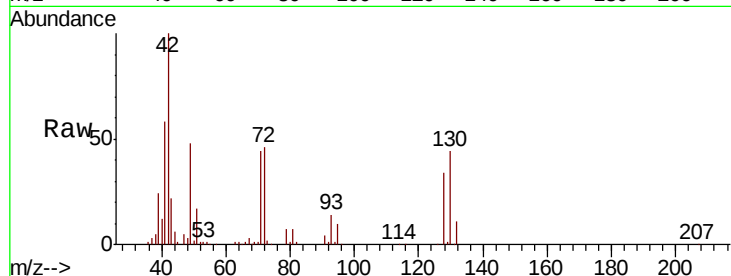




#29
Tetrahydrofuran
Concen: 244.56 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

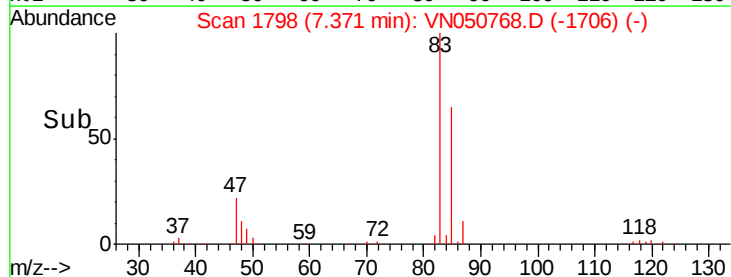
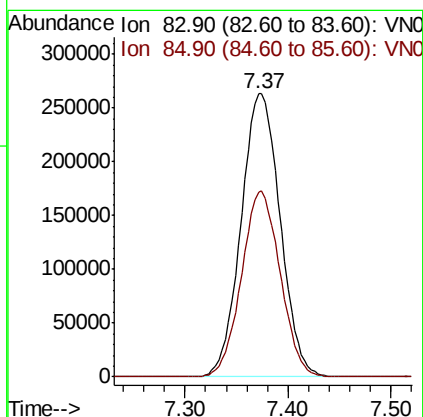
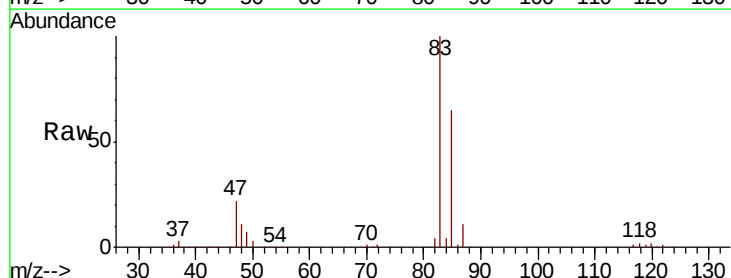
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

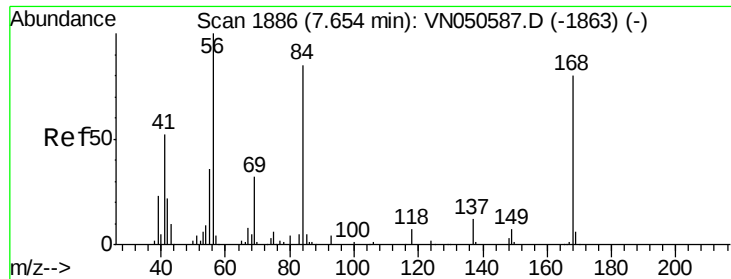
Tot Ion: 42 Resp: 451315
Ion Ratio Lower Upper
42 100
72 45.1 35.8 53.6
71 42.3 33.4 50.0



#30
Chloroform
Concen: 44.73 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 83 Resp: 694156
Ion Ratio Lower Upper
83 100
85 65.4 52.5 78.7

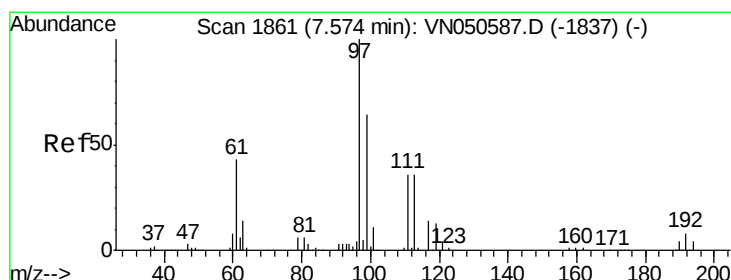
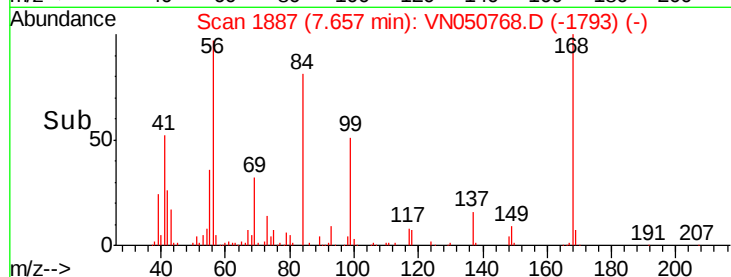
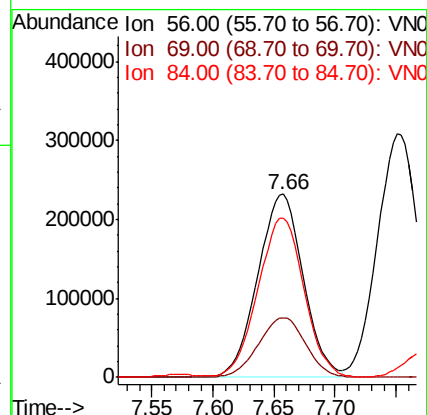
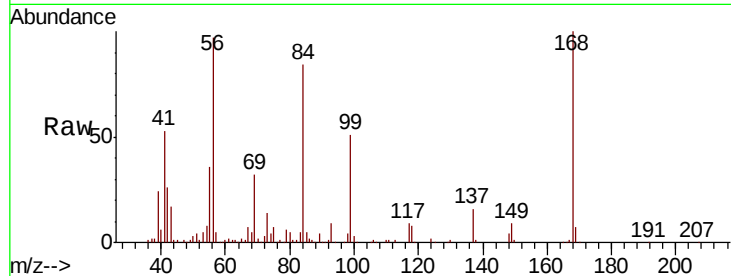




#31
Cyclohexane
Concen: 46.04 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

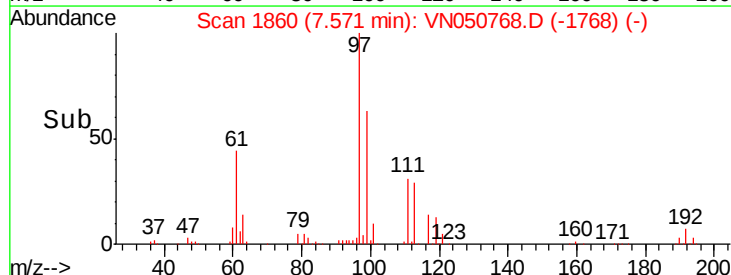
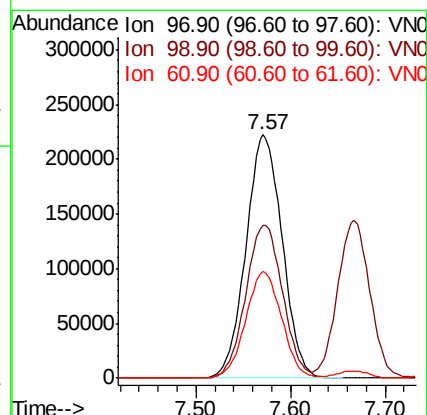
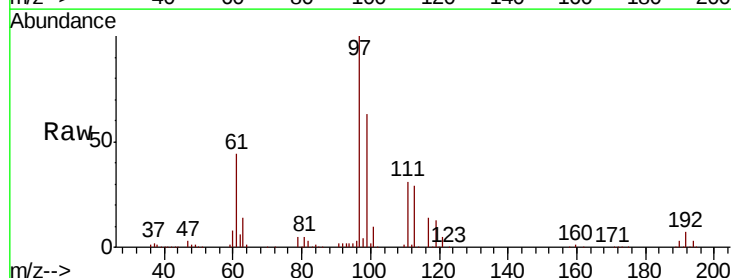
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

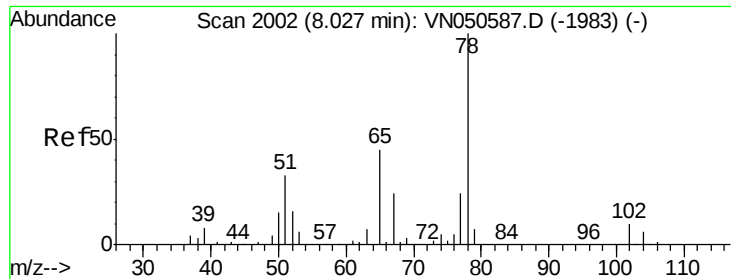
Tot Ion: 56 Resp: 601978
Ion Ratio Lower Upper
56 100
69 32.6 25.8 38.6
84 85.8 67.8 101.6



#32
1,1,1-Trichloroethane
Concen: 45.25 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 97 Resp: 591013
Ion Ratio Lower Upper
97 100
99 64.0 51.1 76.7
61 43.4 34.8 52.2

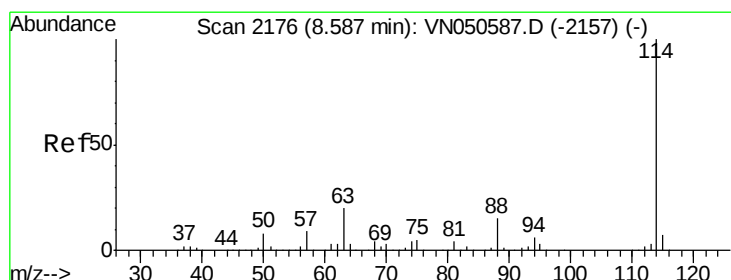
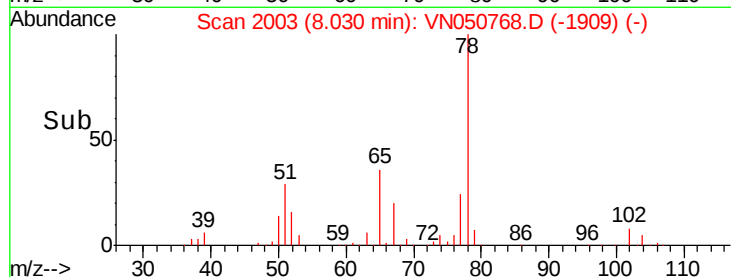
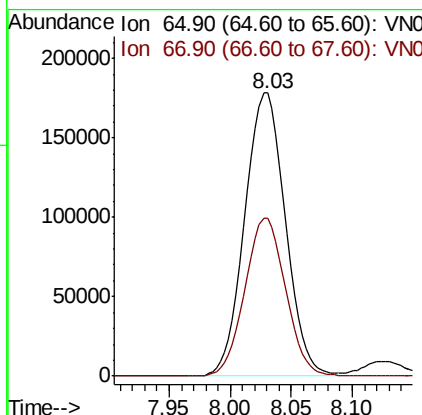
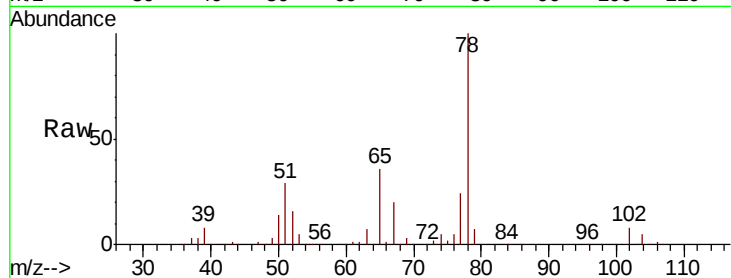




#33
 1,2-Dichloroethane-d4
 Concen: 47.75 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

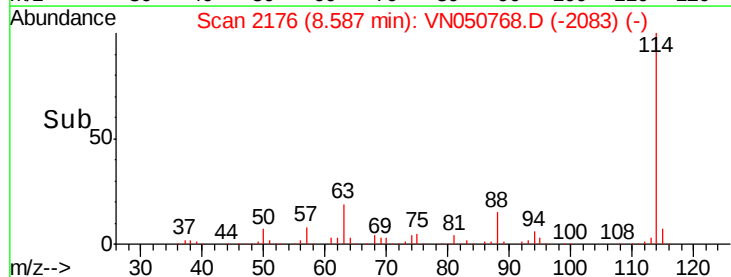
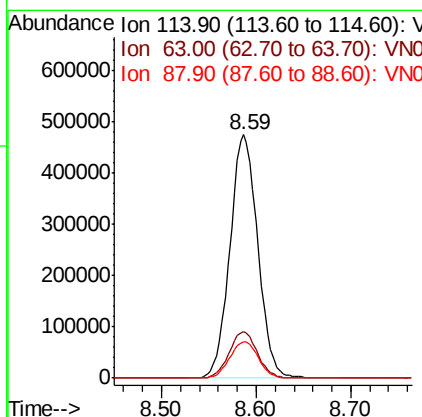
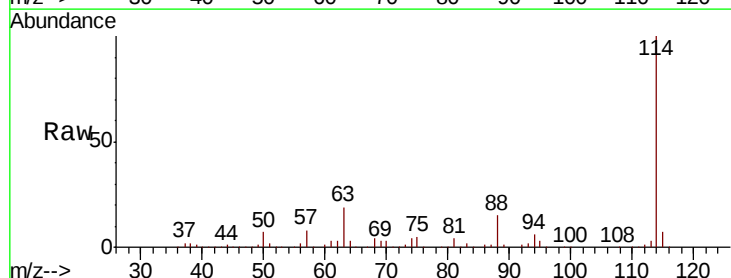
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

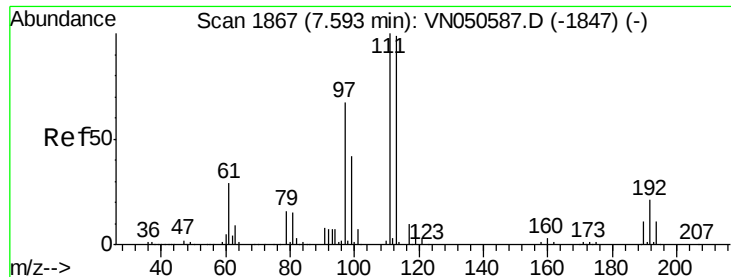
Tot Ion: 65 Resp: 411626
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion: 114 Resp: 969457
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.1 0.0 30.8

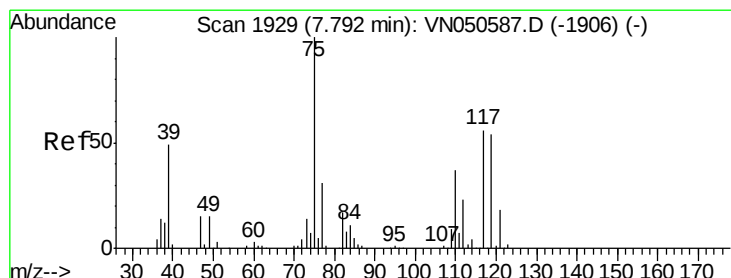
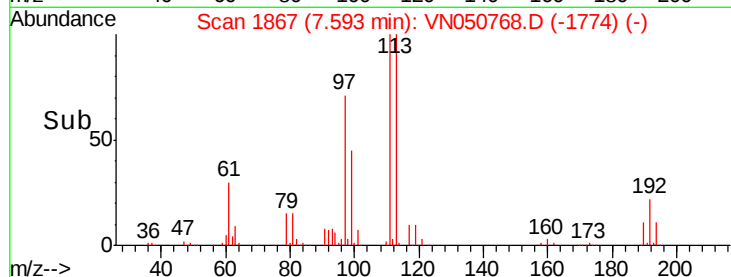
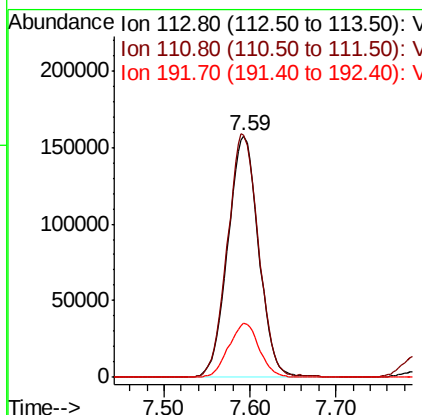
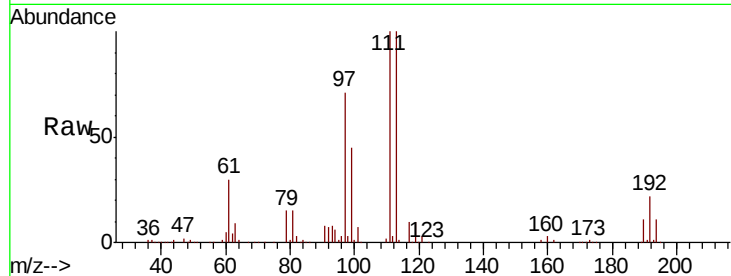




#35
Dibromofluoromethane
Concen: 50.54 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

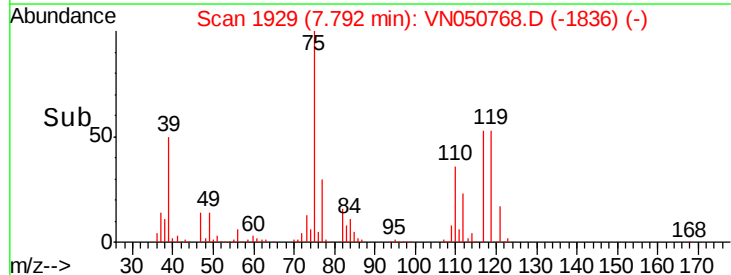
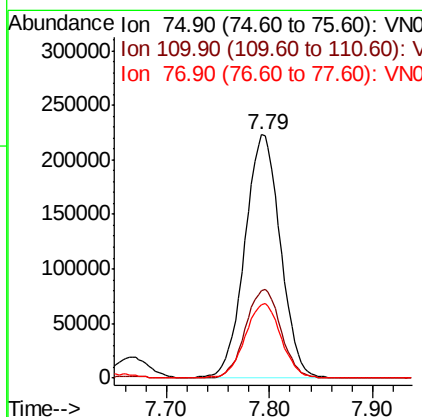
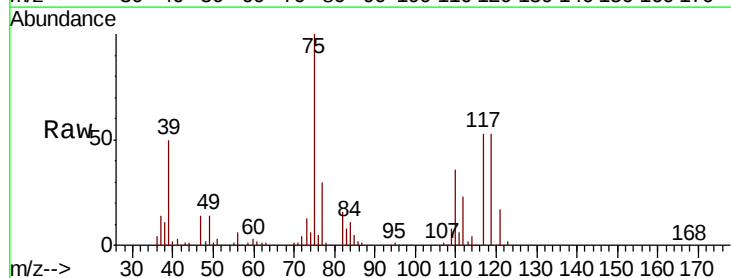
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

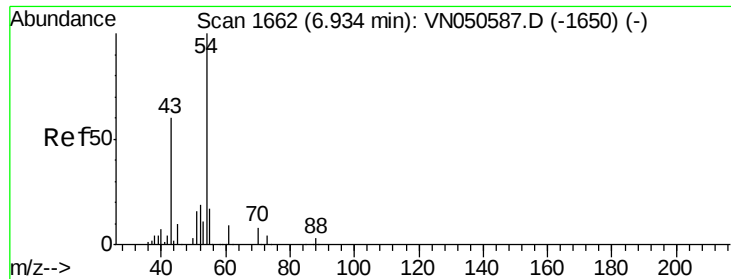
Tot Ion:113 Resp: 391178
Ion Ratio Lower Upper
113 100
111 101.4 81.0 121.6
192 22.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 49.29 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 75 Resp: 531901
Ion Ratio Lower Upper
75 100
110 36.4 18.3 54.9
77 31.2 25.0 37.4

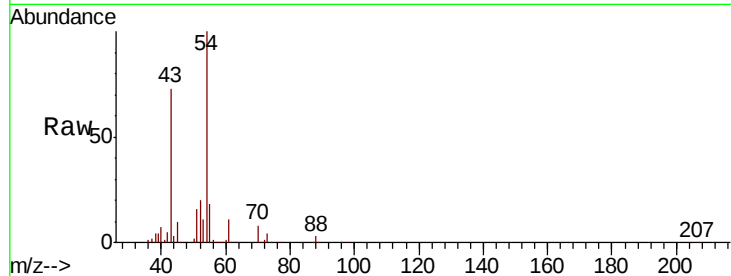




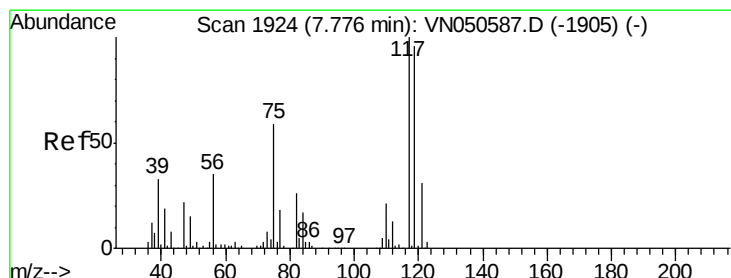
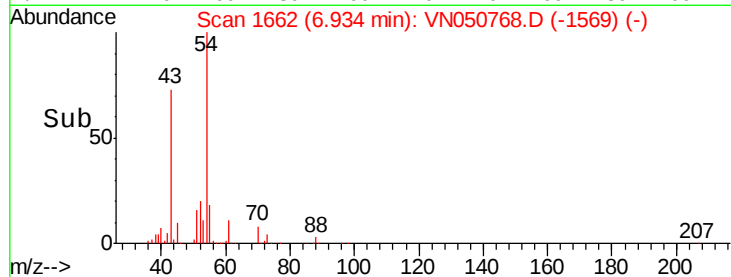
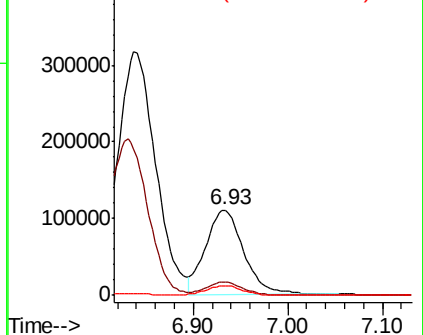
#37
Ethyl Acetate
Concen: 50.83 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 310049
Ion Ratio Lower Upper
43 100
61 14.8 12.0 18.0
70 10.7 8.5 12.7

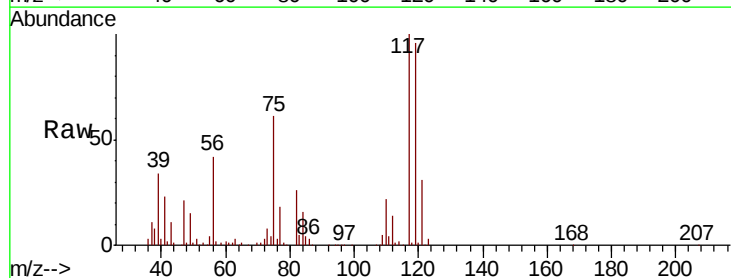


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

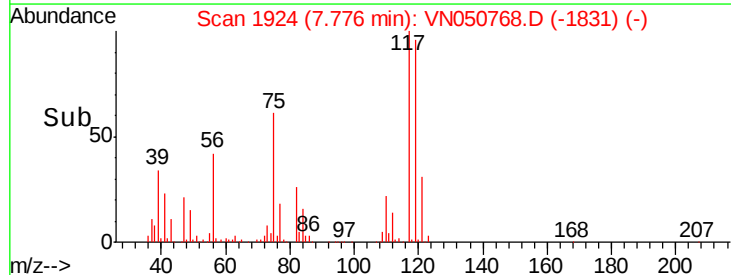
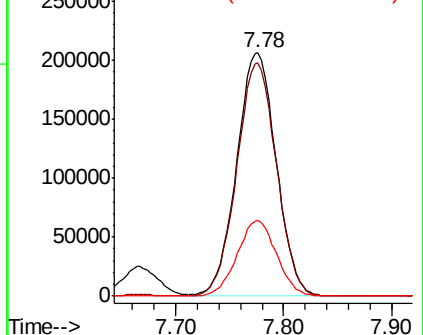


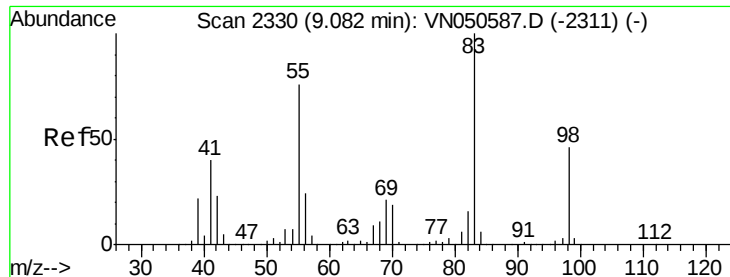
#38
Carbon Tetrachloride
Concen: 46.87 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 117 Resp: 524721
Ion Ratio Lower Upper
117 100
119 95.9 76.6 115.0
121 31.2 25.0 37.6



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: 51.51 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

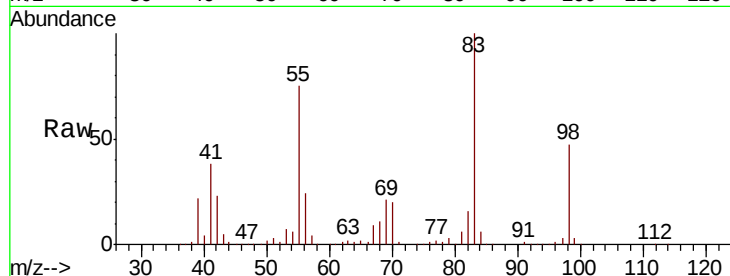
Tot Ion: 83 Resp: 575544

Ion Ratio Lower Upper

83 100

55 75.3 60.6 91.0

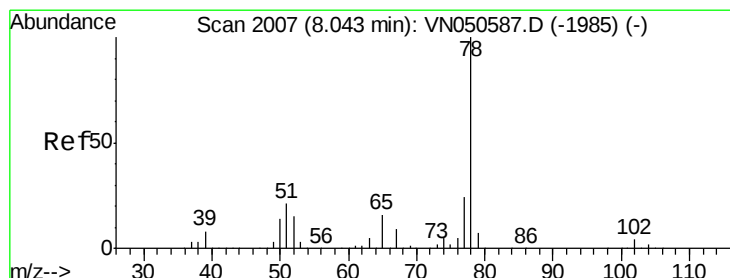
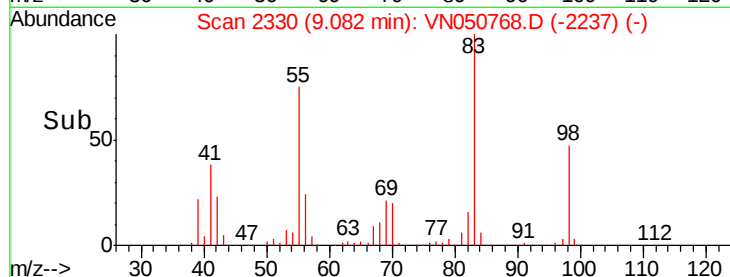
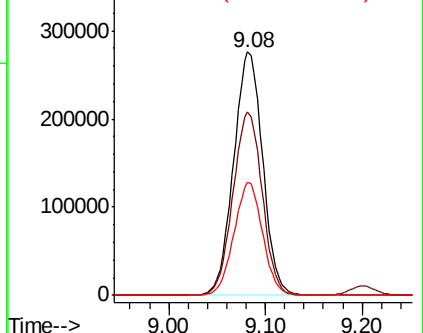
98 46.6 37.0 55.4



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: 49.01 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050768.D

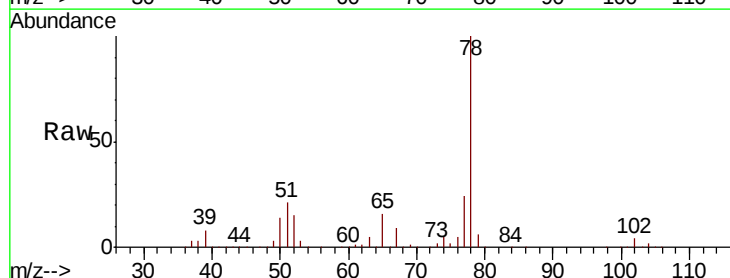
Acq: 20 Aug 2018 12:33

Tgt Ion: 78 Resp: 1608917

Ion Ratio Lower Upper

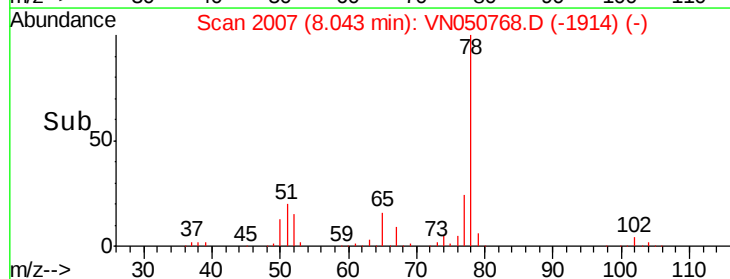
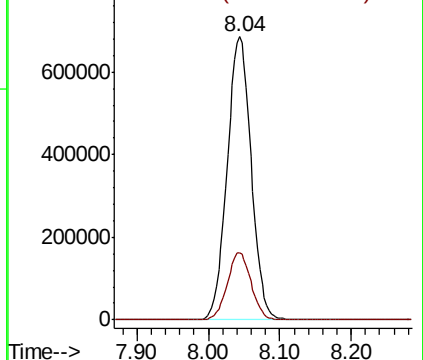
78 100

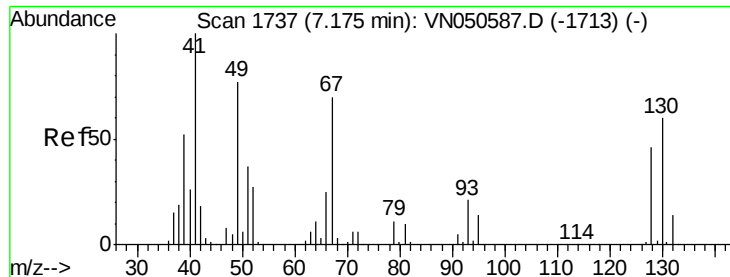
77 23.9 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

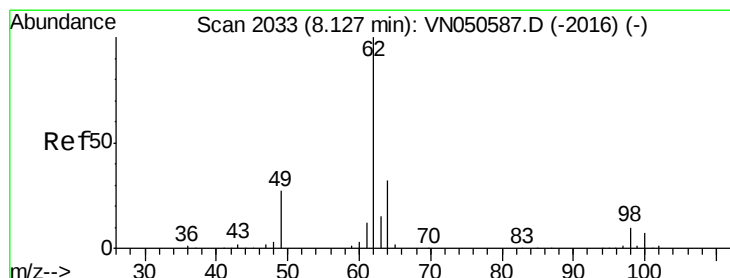
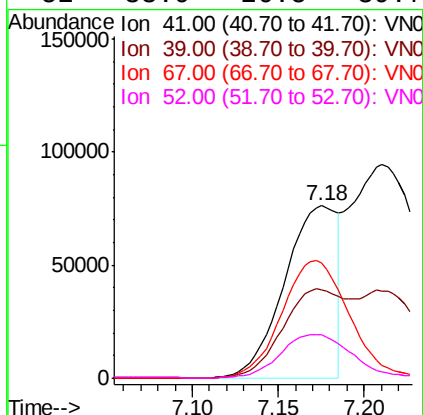
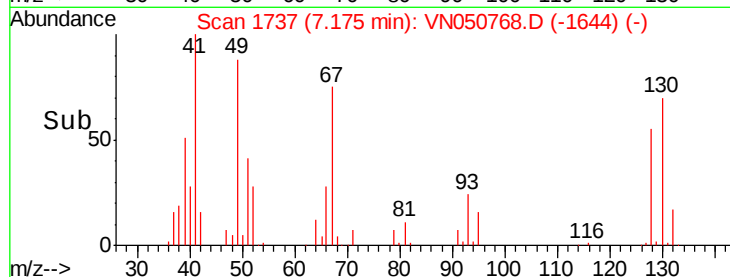
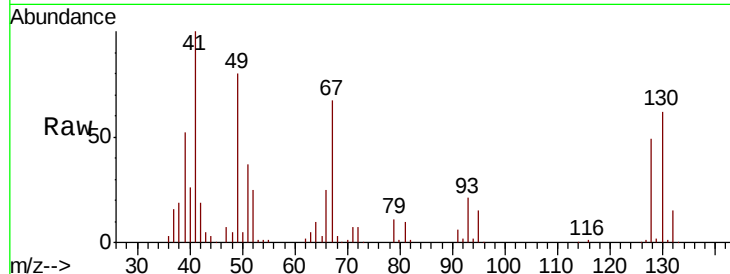




#41
Methacrylonitrile
Concen: 49.42 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

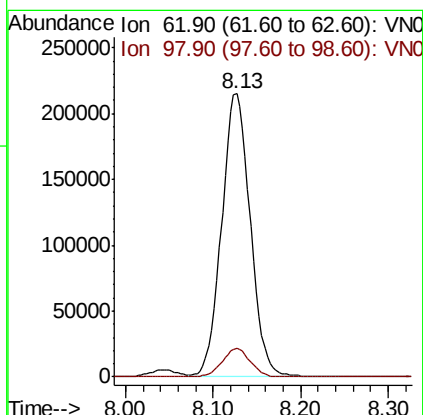
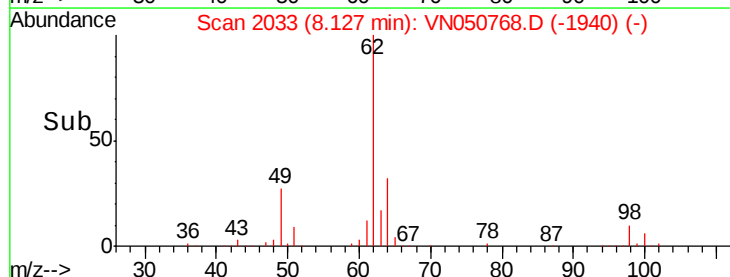
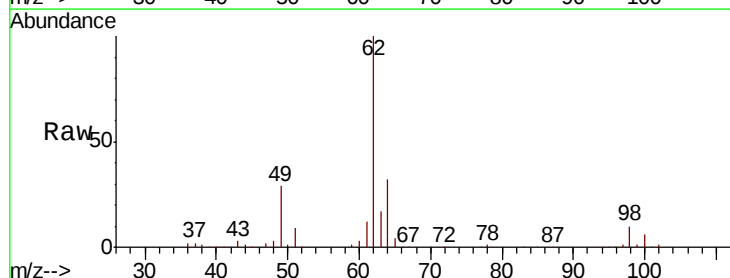
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

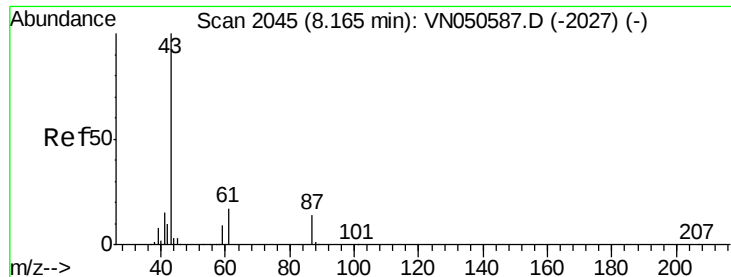
Tot Ion: 41 Resp: 162984
Ion Ratio Lower Upper
41 100
39 60.4 44.6 66.8
67 88.4 66.7 100.1
52 33.9 26.5 39.7



#42
1,2-Dichloroethane
Concen: 48.42 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 62 Resp: 487237
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.4



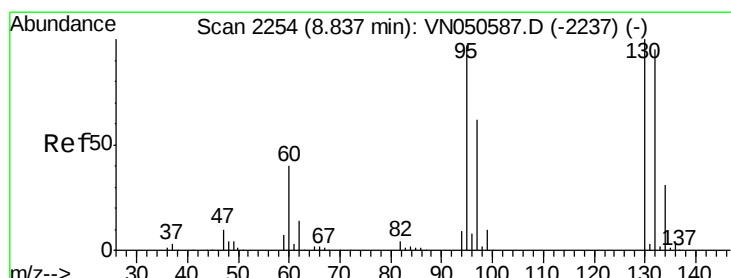
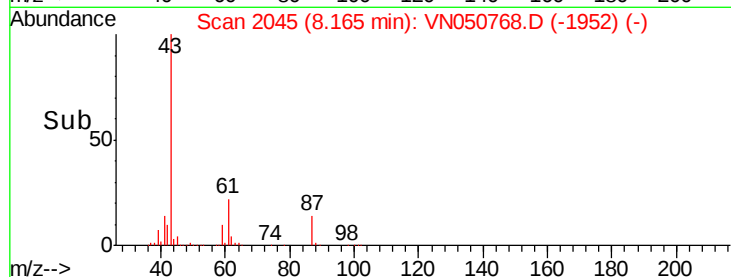
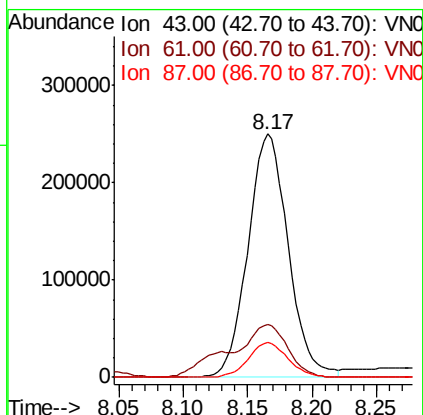
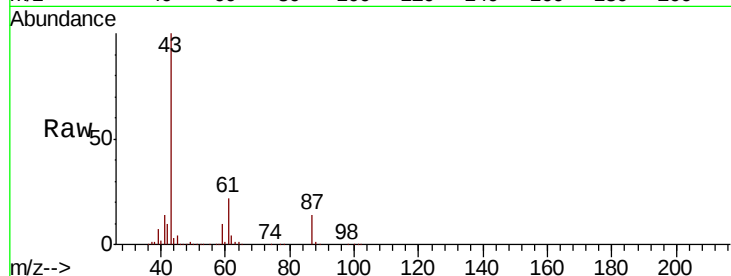


#43

Isopropyl Acetate
 Concen: 48.88 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

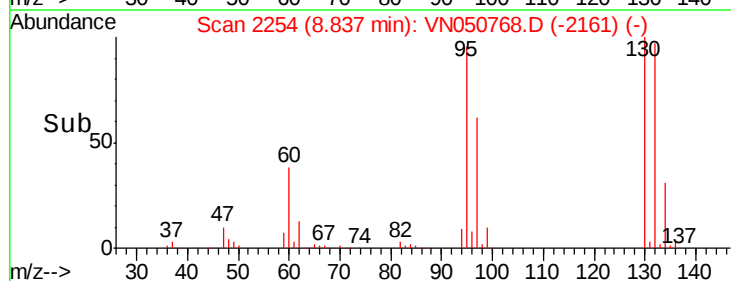
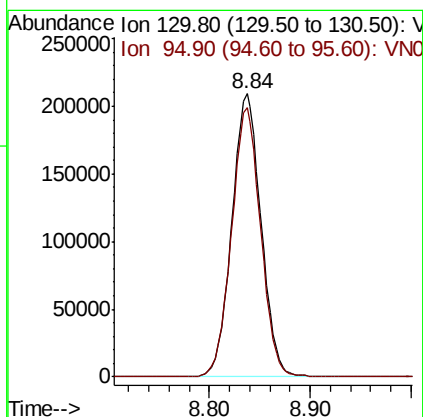
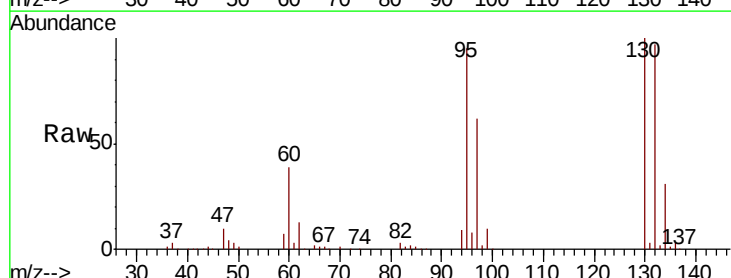
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.2	24.2
87	14.0	10.9	16.3

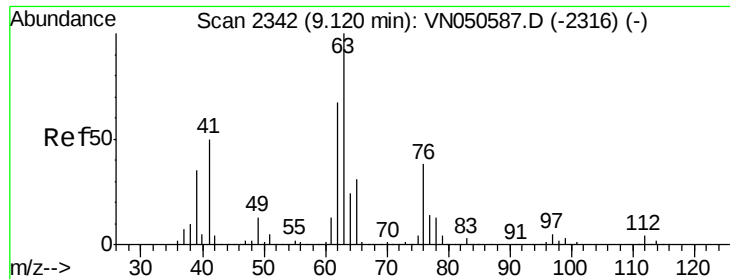


#44

Trichloroethene
 Concen: 47.93 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	193.8





#45

1,2-Dichloropropane

Concen: 48.60 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

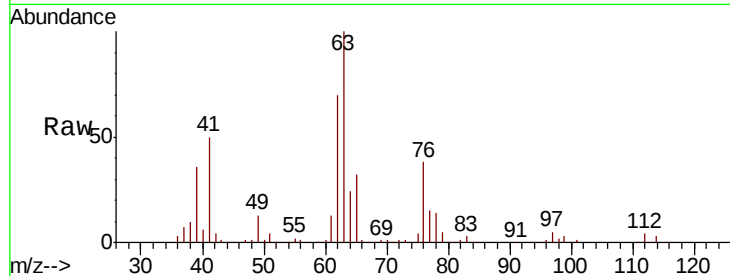
VSTDCCC050

Tot Ion: 63 Resp: 424815

Ion Ratio Lower Upper

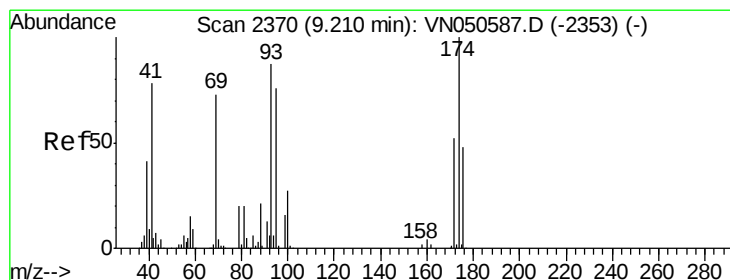
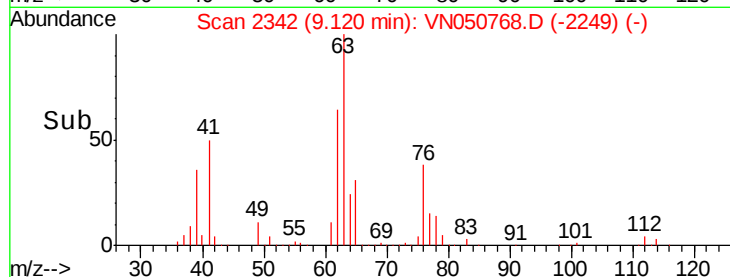
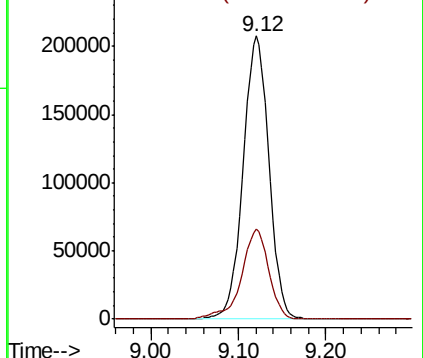
63 100

65 31.7 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 47.71 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

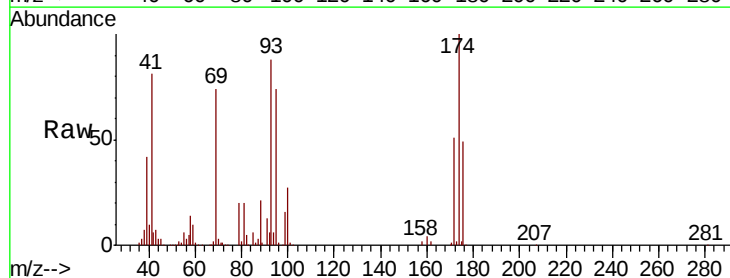
Tgt Ion: 93 Resp: 246221

Ion Ratio Lower Upper

93 100

95 84.6 69.1 103.7

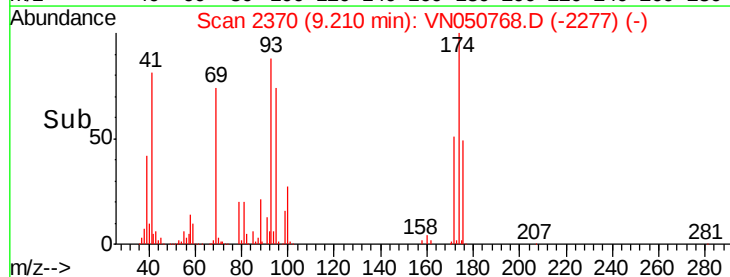
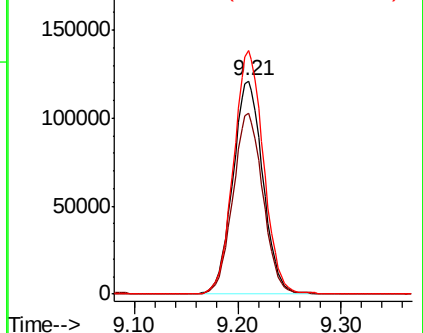
174 113.2 91.0 136.6

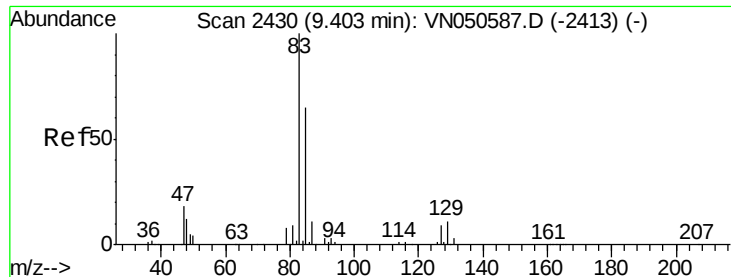


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

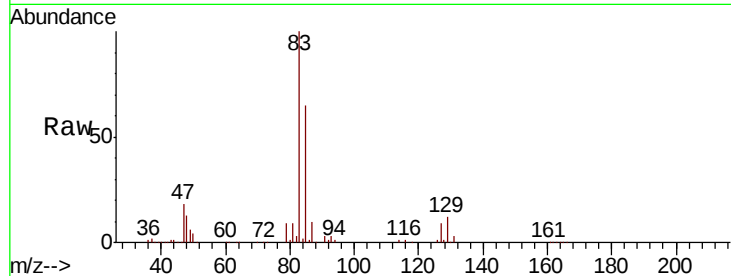




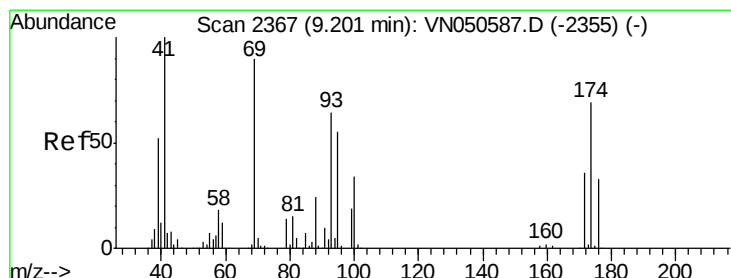
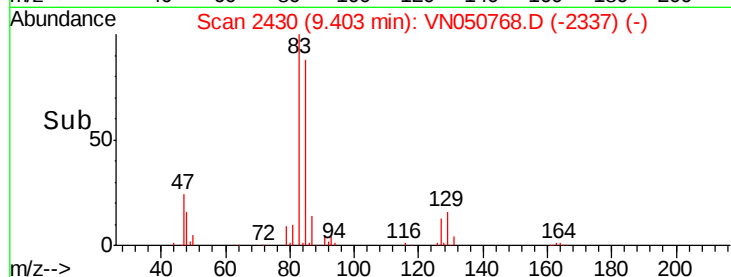
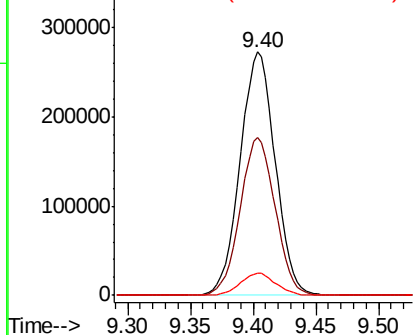
#47
Bromodichloromethane
Concen: 48.13 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 530904
Ion Ratio Lower Upper
83 100
85 65.1 51.8 77.6
127 9.3 7.2 10.8

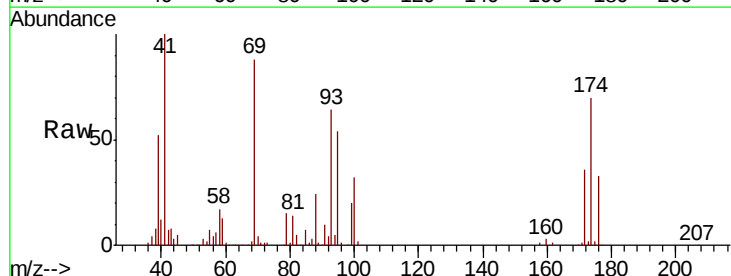


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

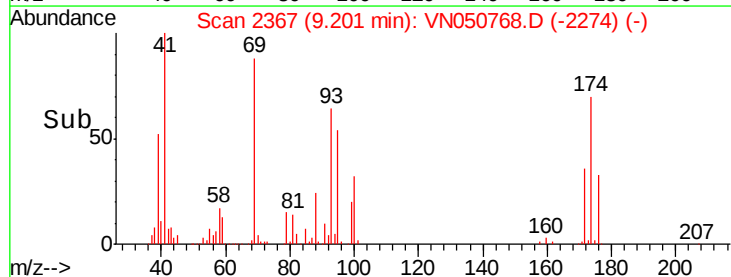
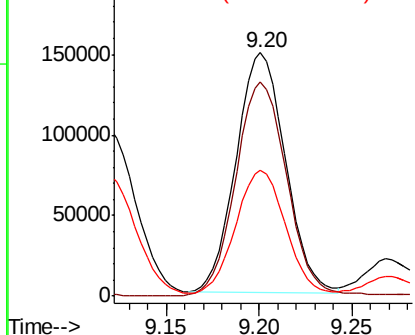


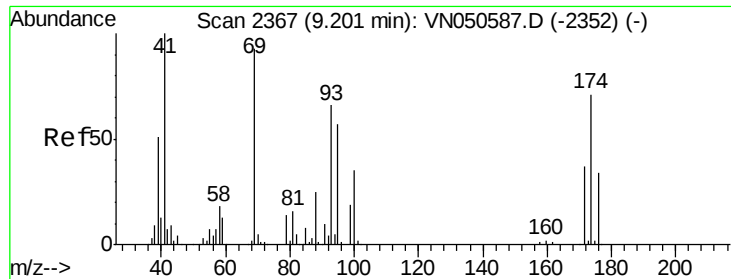
#48
Methyl methacrylate
Concen: 49.17 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 41 Resp: 275072
Ion Ratio Lower Upper
41 100
69 93.0 73.4 110.0
39 53.7 43.0 64.6



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

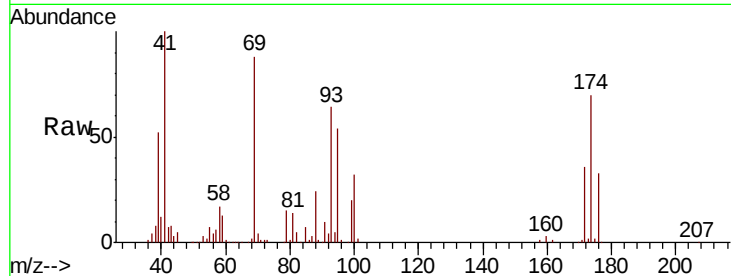




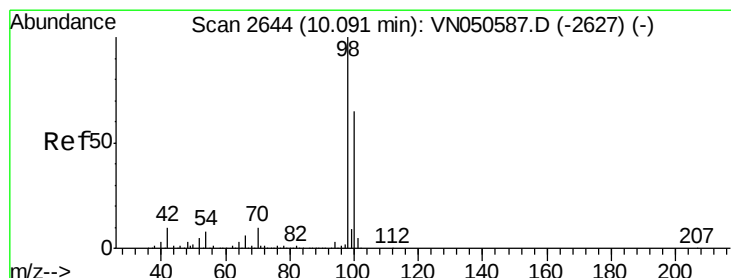
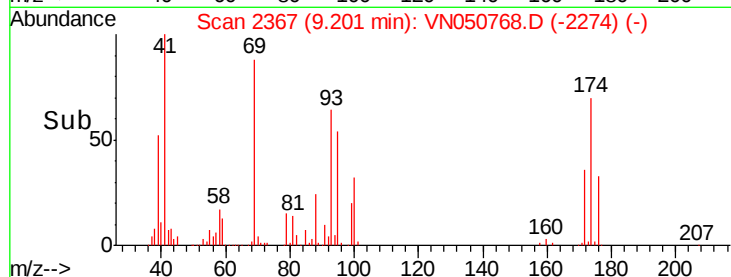
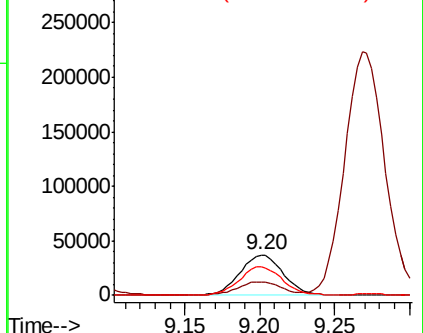
#49
 1,4-Dioxane
 Concen: 1017.06 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 74950
 Ion Ratio Lower Upper
 88 100
 43 32.2 25.9 38.9
 58 70.9 56.5 84.7

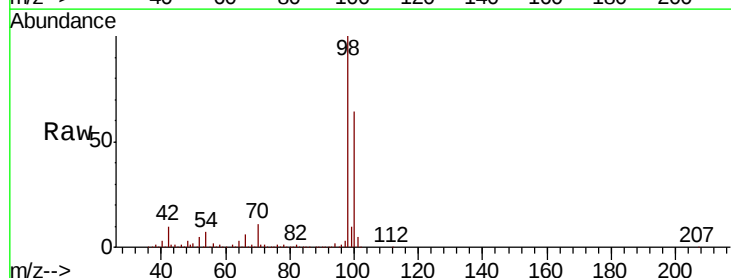


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

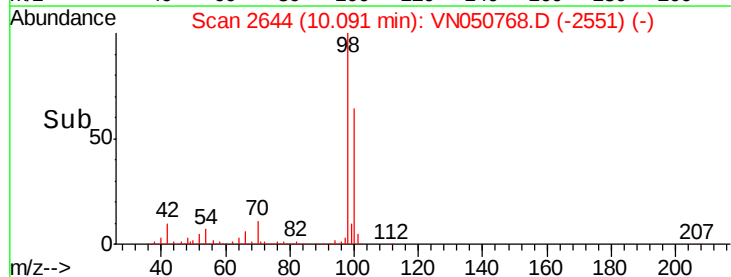
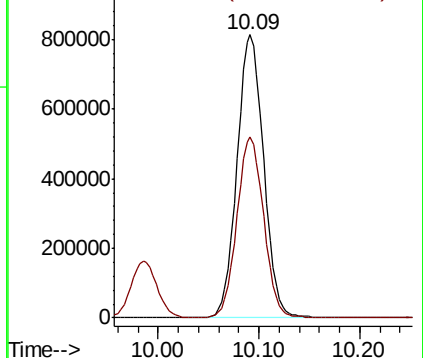


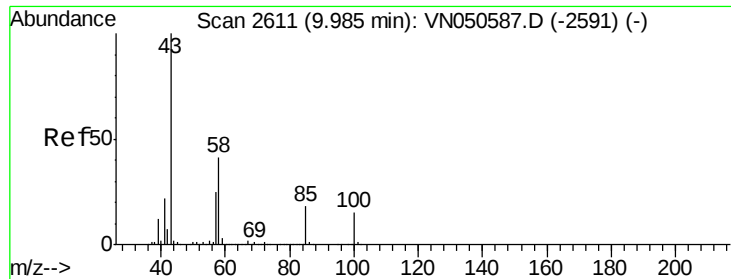
#50
 Toluene-d8
 Concen: 51.08 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion: 98 Resp: 1487867
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.8 77.8



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

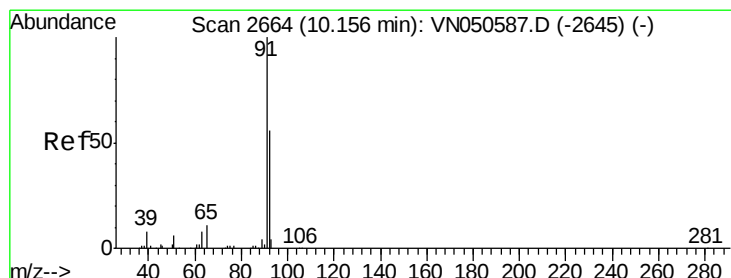
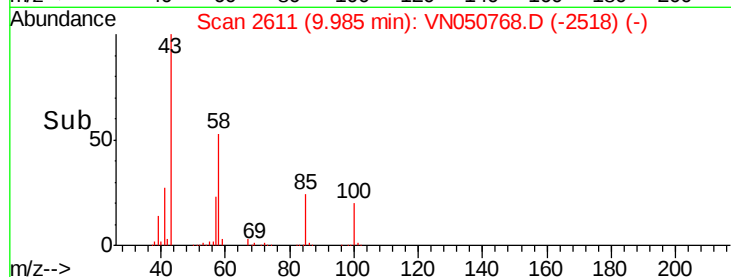
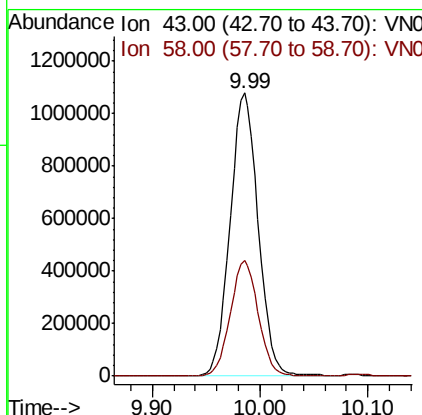
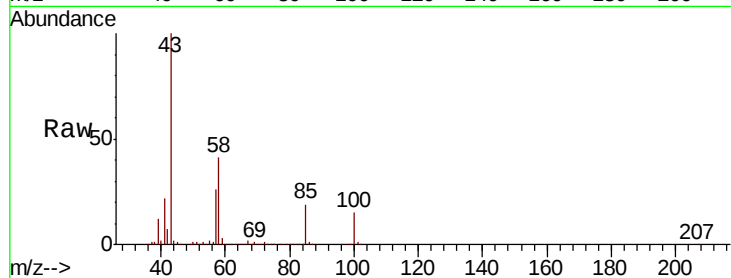




#51
 4-Methyl-2-Pentanone
 Concen: 260.45 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

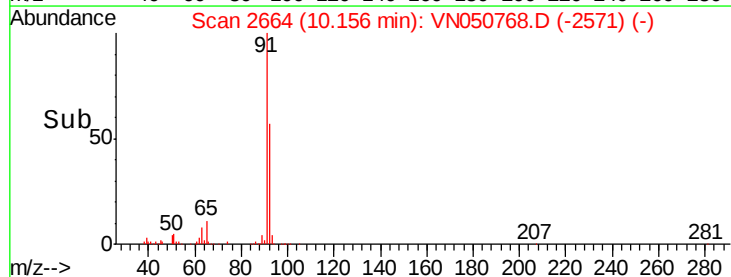
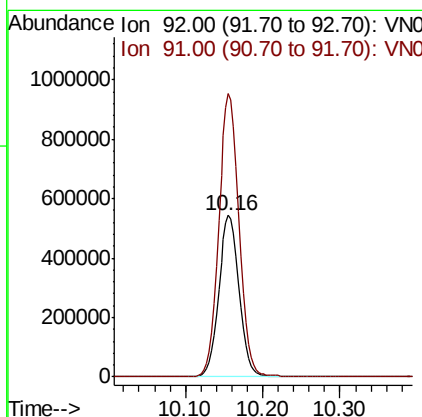
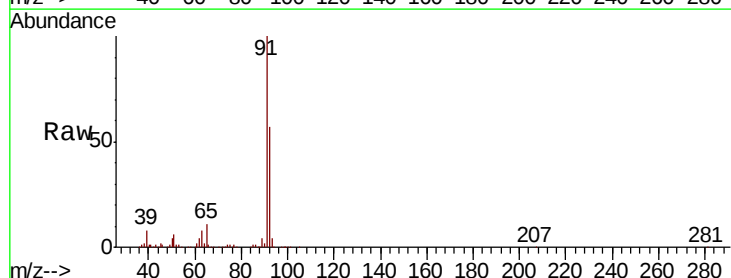
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

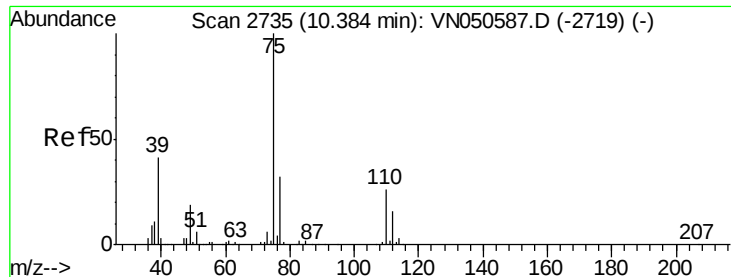
Tot Ion: 43 Resp: 1958217
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.5 48.7



#52
 Toluene
 Concen: 50.90 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion: 92 Resp: 997788
 Ion Ratio Lower Upper
 92 100
 91 175.3 141.9 212.9





#53

t-1,3-Dichloropropene

Concen: 52.52 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

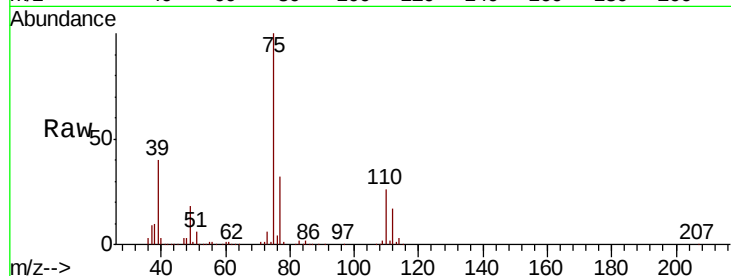
VSTDCCC050

Tot Ion: 75 Resp: 539638

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

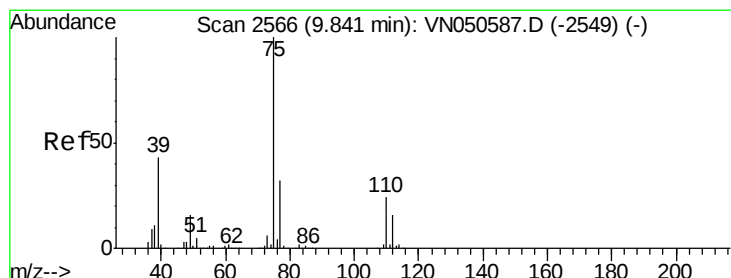
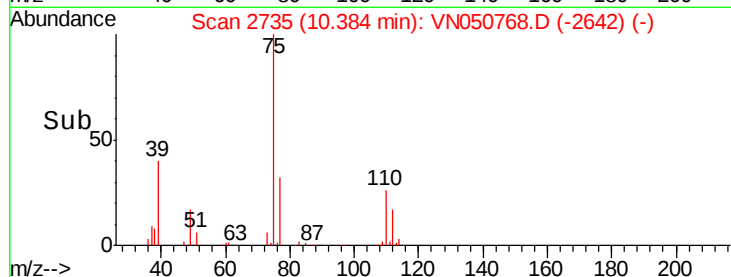
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.13 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

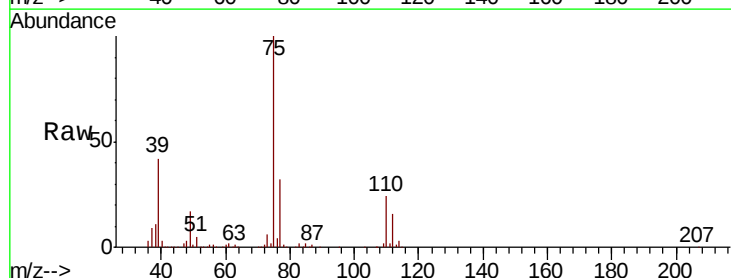
Tgt Ion: 75 Resp: 626302

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4

39 41.5 34.4 51.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

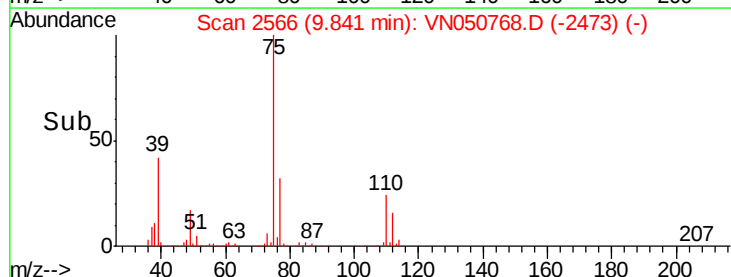
300000

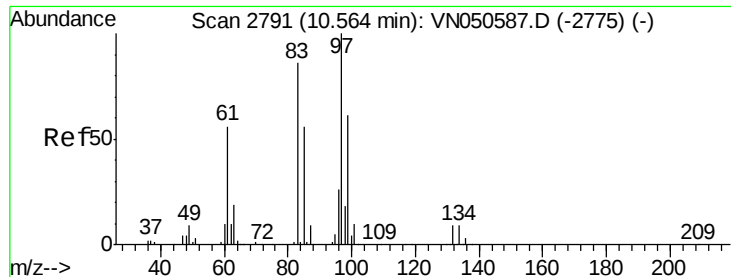
200000

100000

0

Time-->

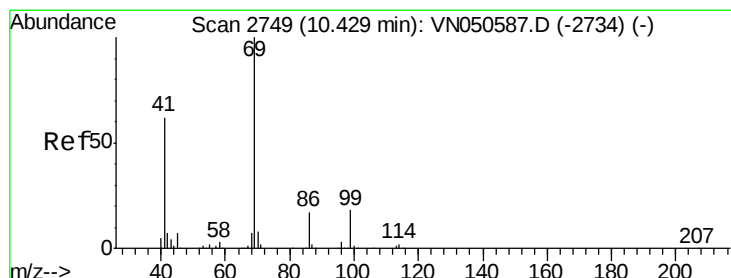
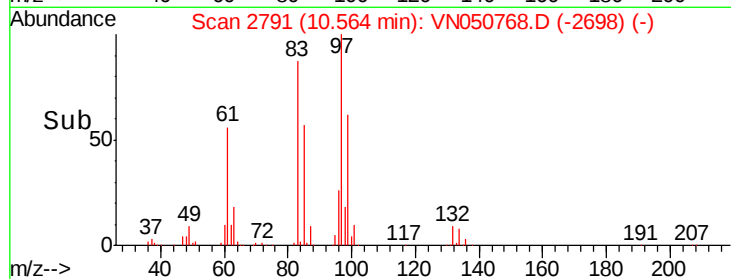
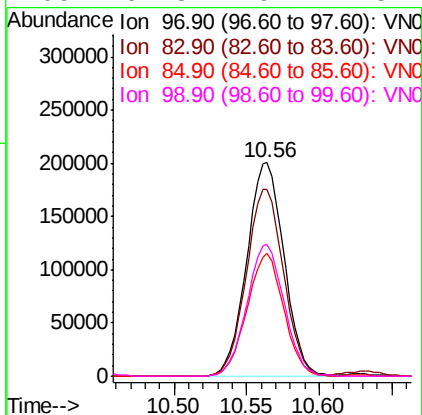
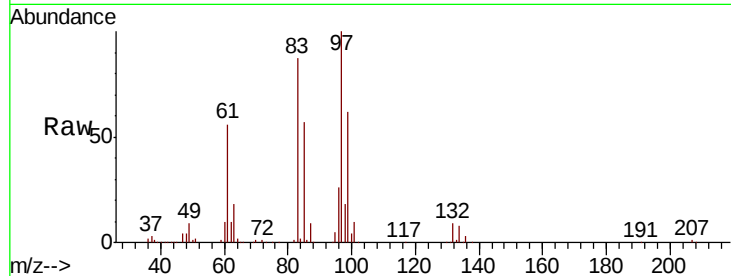




#55
 1,1,2-Trichloroethane
 Concen: 49.19 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

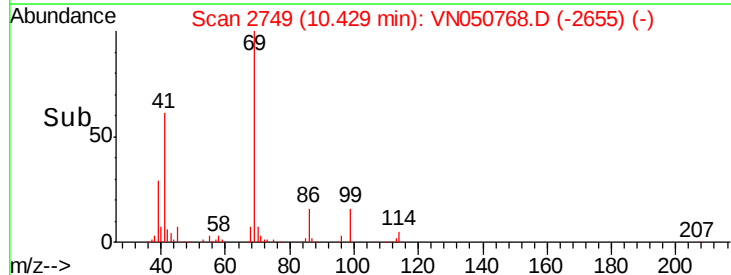
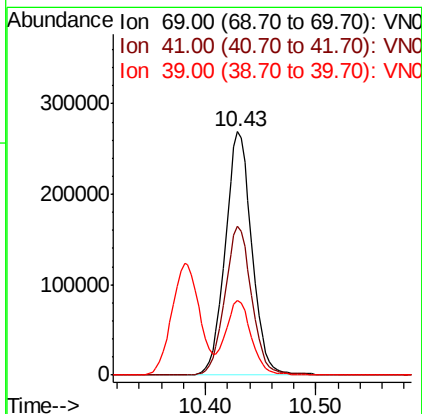
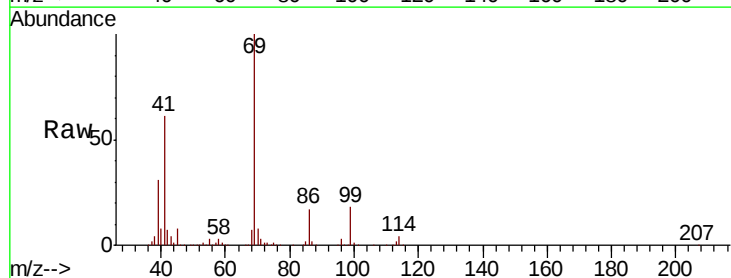
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

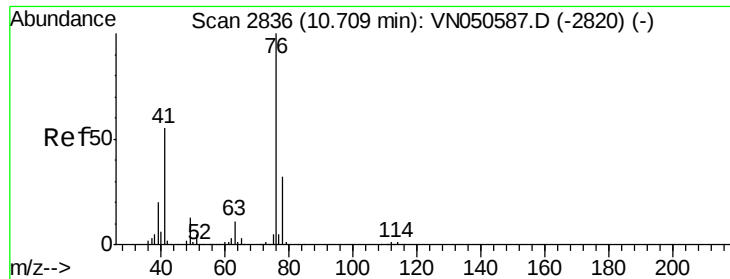
Tot Ion	97	Resp	360190
Ion	Ratio	Lower	Upper
97	100		
83	87.3	68.5	102.7
85	57.3	44.6	66.8
99	61.8	49.1	73.7



#56
 Ethyl methacrylate
 Concen: 48.10 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	69	Resp	448612
Ion	Ratio	Lower	Upper
69	100		
41	61.2	49.7	74.5
39	29.3	24.2	36.2

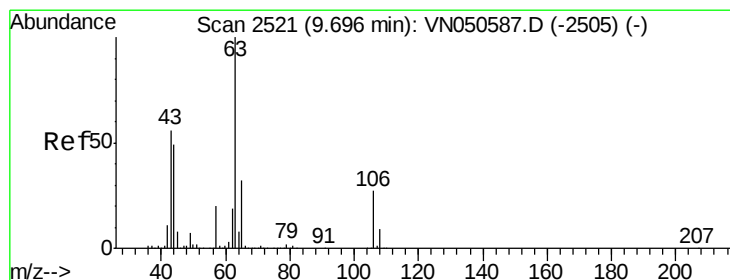
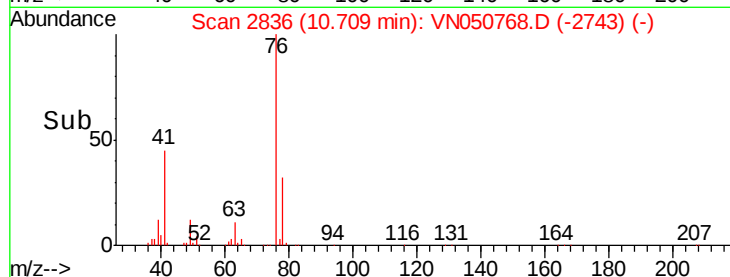
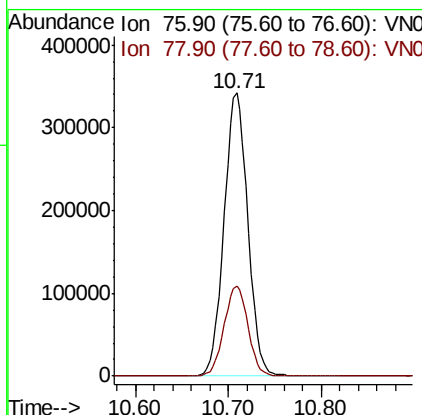
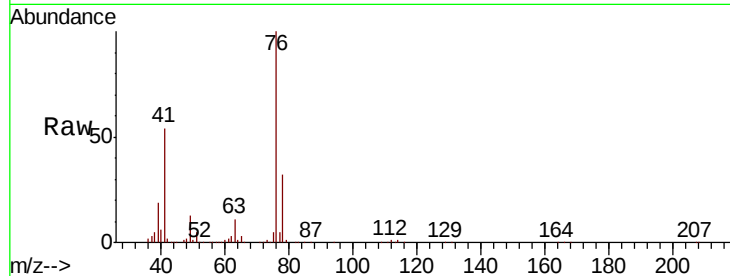




#57
 1,3-Dichloropropane
 Concen: 50.53 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

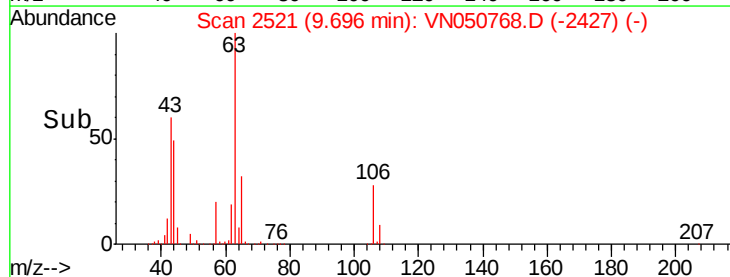
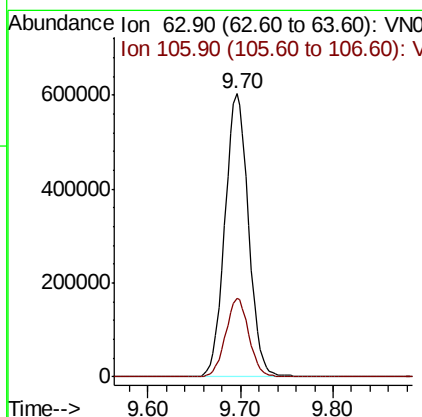
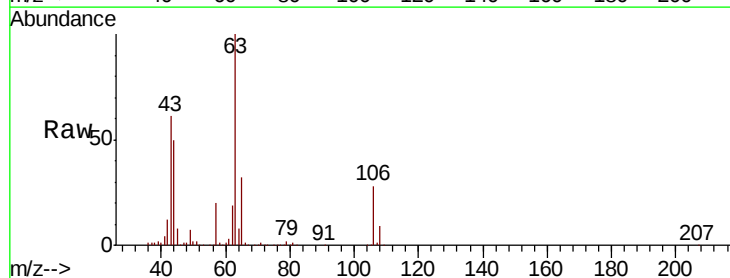
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

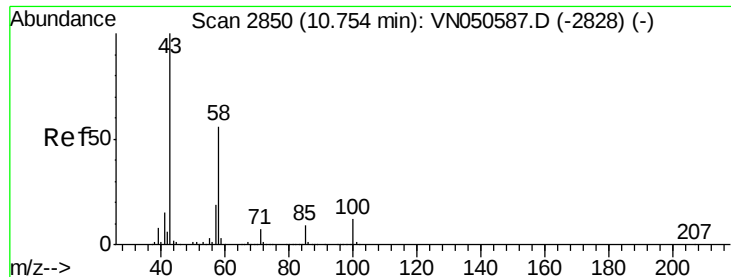
Tot Ion: 76 Resp: 606606
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.33 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion: 63 Resp: 1064192
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.7 32.5

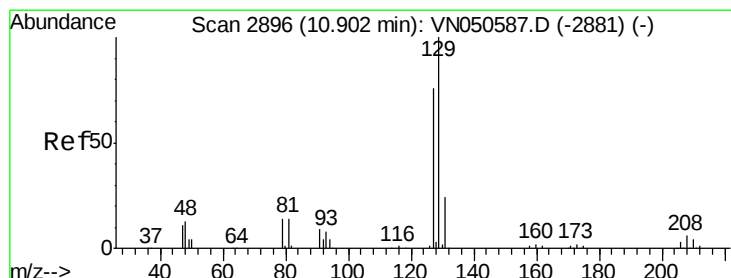
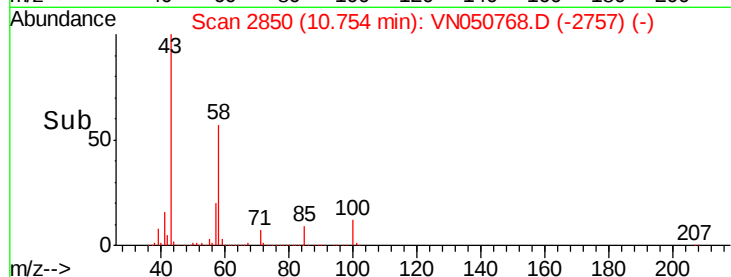
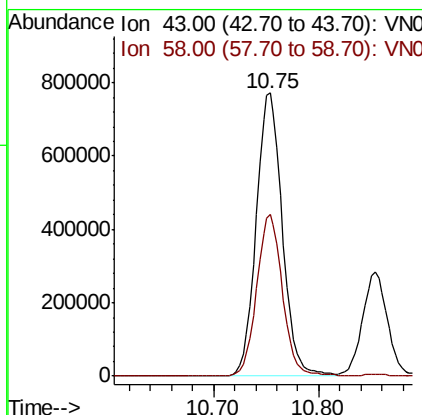
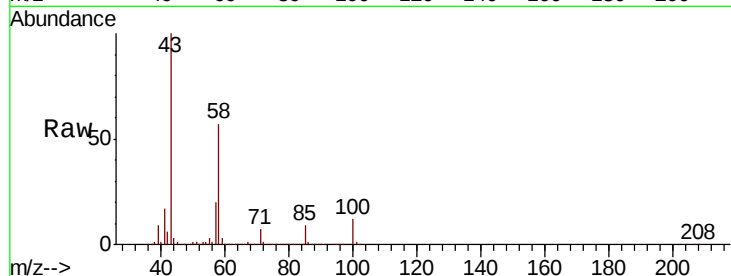




#59
2-Hexanone
Concen: 274.60 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

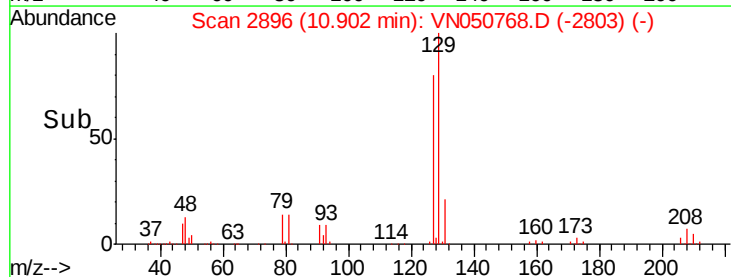
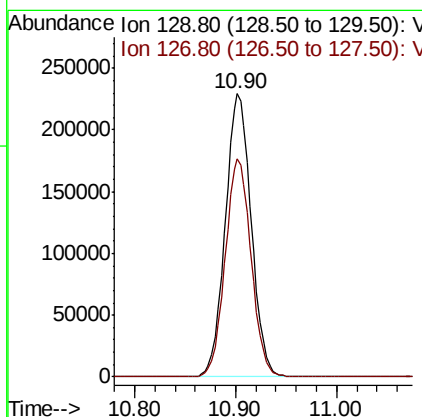
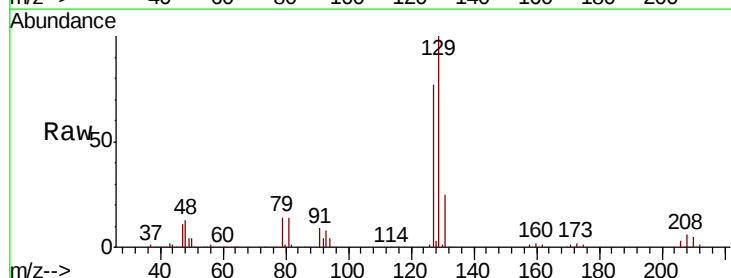
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

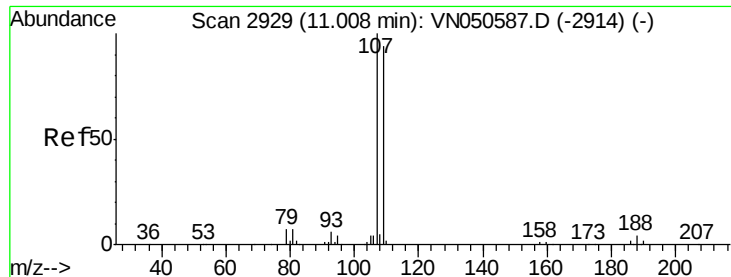
Tot Ion: 43 Resp: 1332534
Ion Ratio Lower Upper
43 100
58 56.6 28.0 84.0



#60
Dibromochloromethane
Concen: 50.88 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 129 Resp: 411243
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7

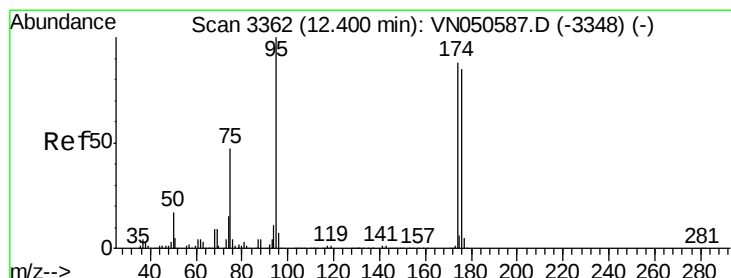
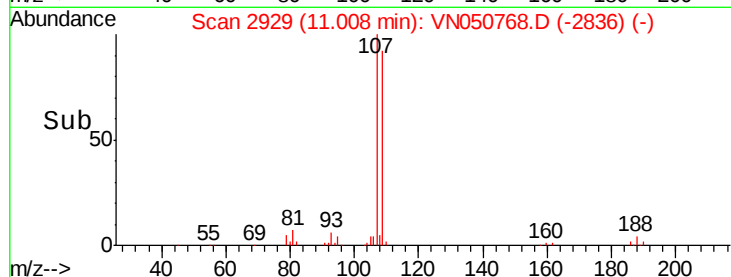
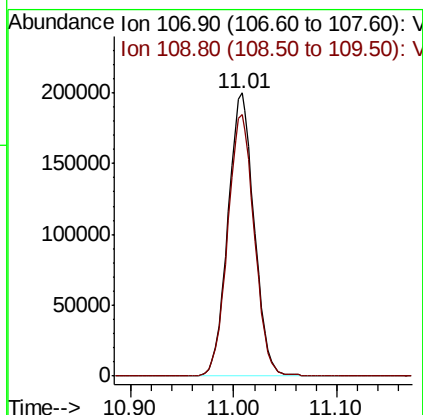
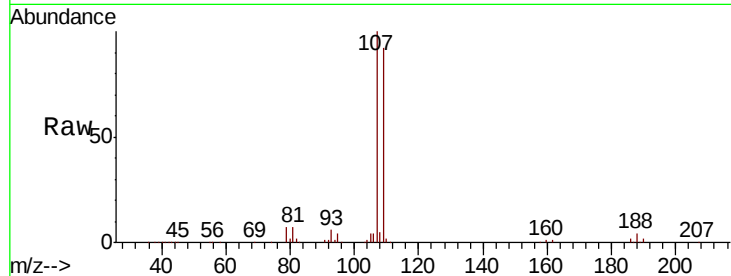




#61
 1,2-Dibromoethane
 Concen: 50.79 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

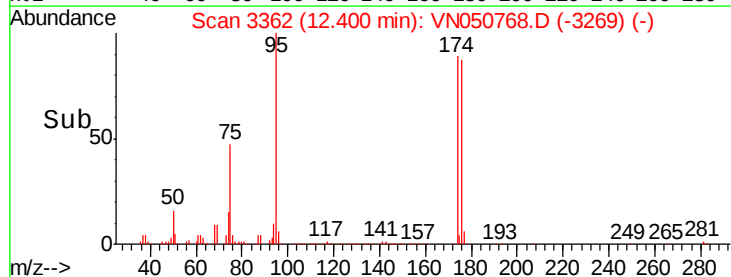
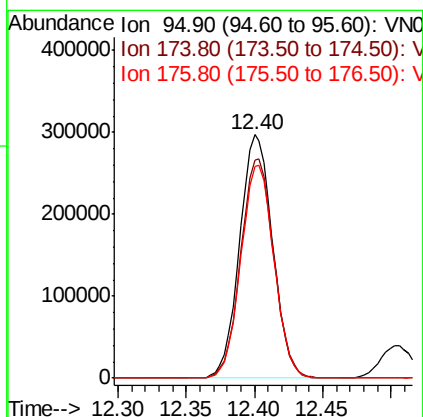
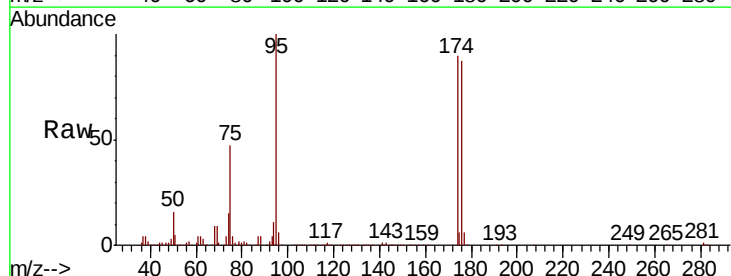
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

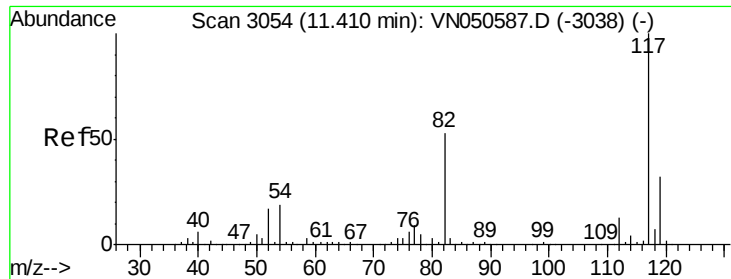
Tot Ion:107 Resp: 354222
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 51.79 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion: 95 Resp: 498357
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 177.8
 176 87.8 0.0 175.0

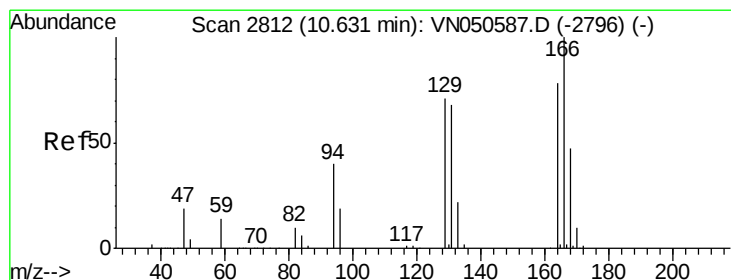
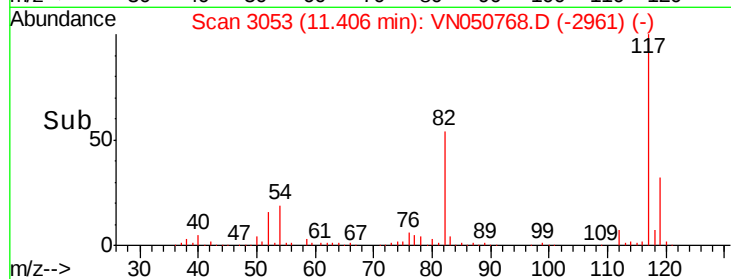
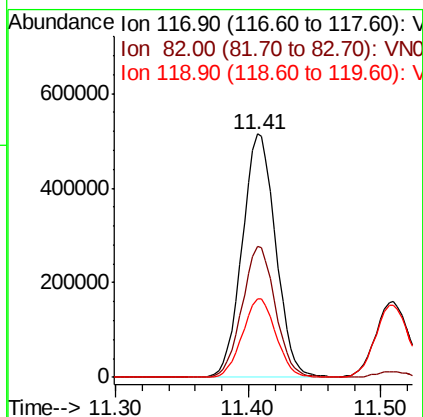
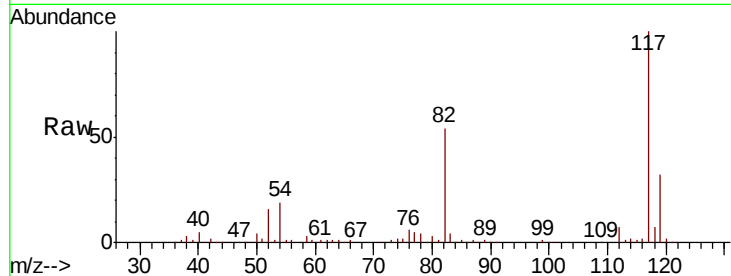




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

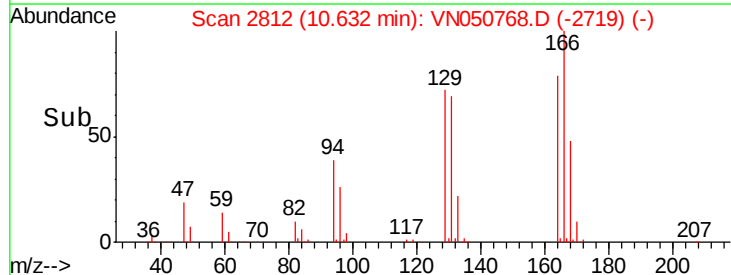
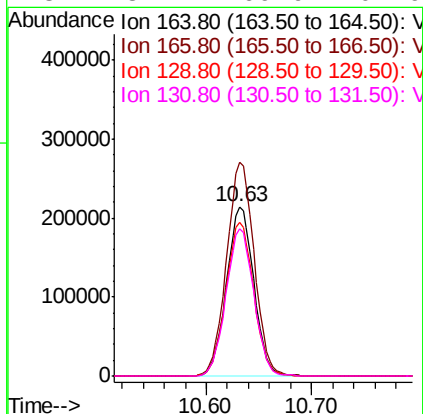
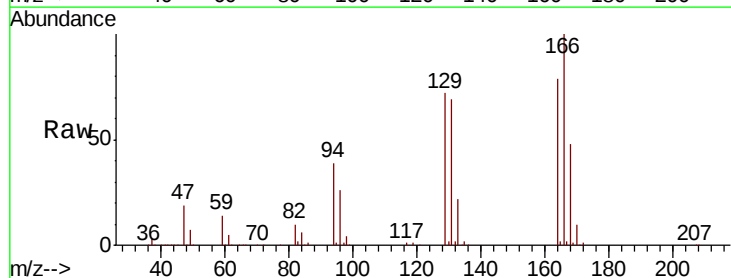
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

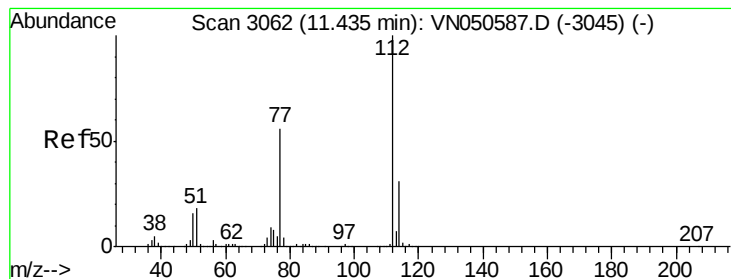
Tot Ion:117 Resp: 902837
Ion Ratio Lower Upper
117 100
82 53.7 42.4 63.6
119 32.4 25.8 38.8



#64
Tetrachloroethene
Concen: 45.69 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion:164 Resp: 383112
Ion Ratio Lower Upper
164 100
166 126.2 102.1 153.1
129 90.5 72.7 109.1
131 87.2 69.9 104.9





#65

Chlorobenzene

Concen: 48.75 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

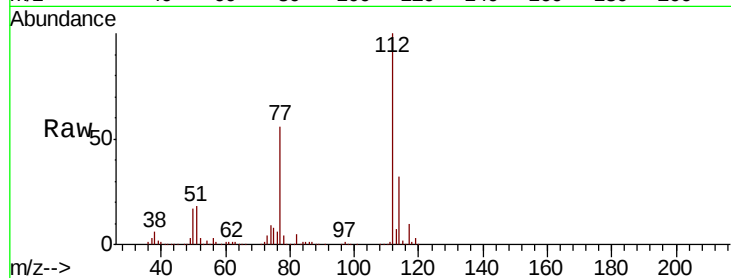
VSTDCCC050

Tot Ion:112 Resp: 1095448

Ion Ratio Lower Upper

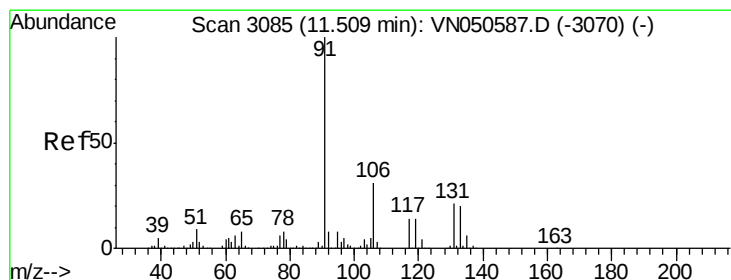
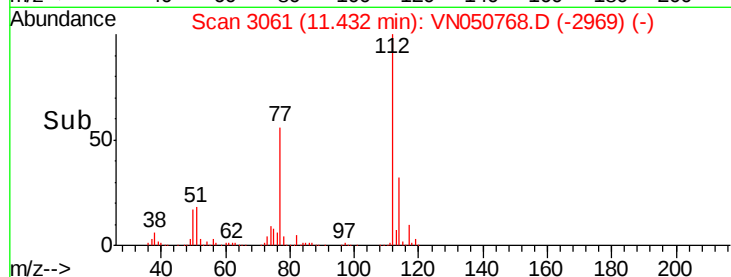
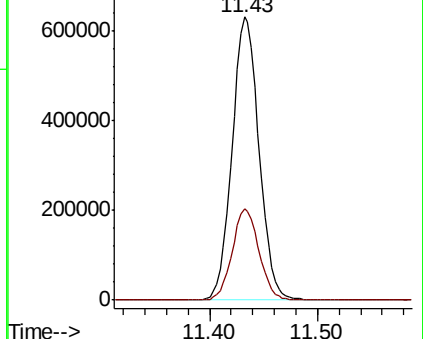
112 100

114 32.3 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.08 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

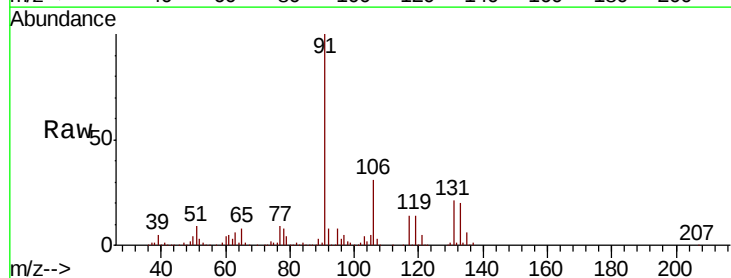
Tgt Ion:131 Resp: 404950

Ion Ratio Lower Upper

131 100

133 96.2 47.6 142.9

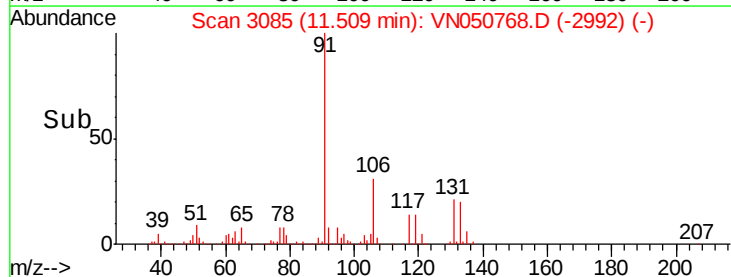
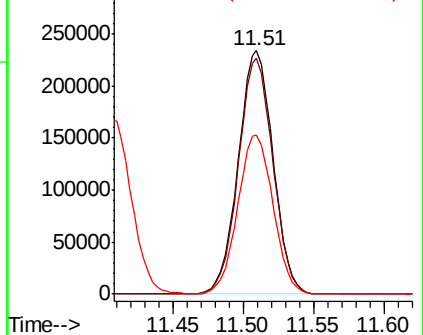
119 66.4 33.1 99.3

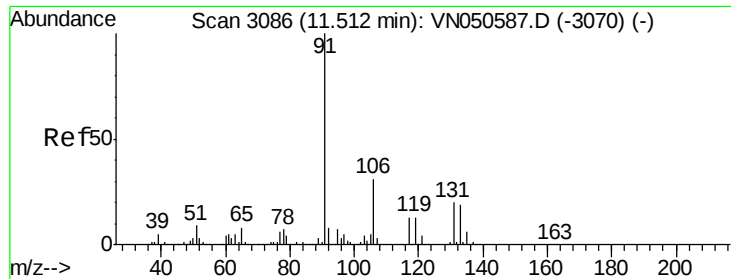


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

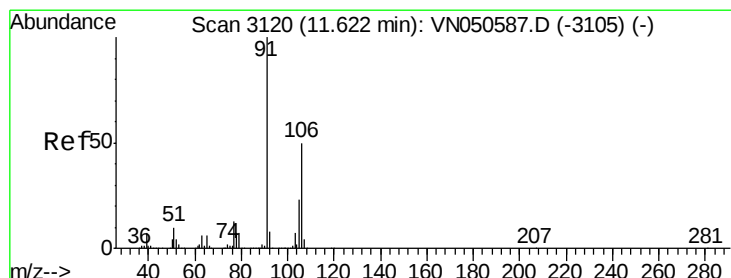
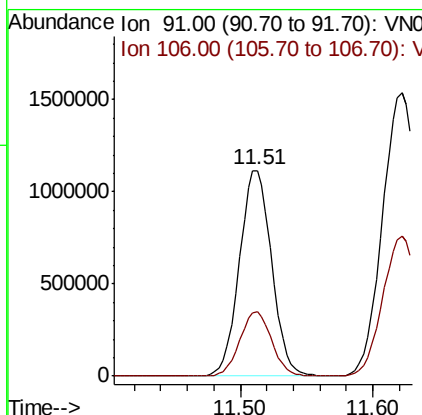
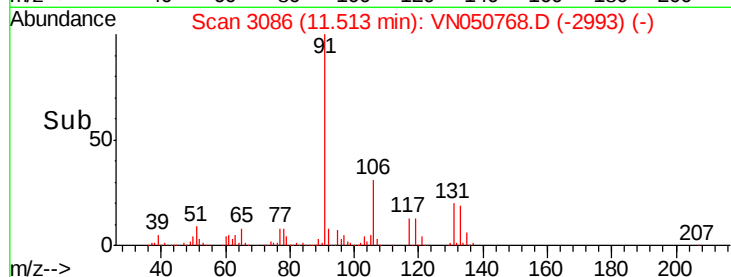
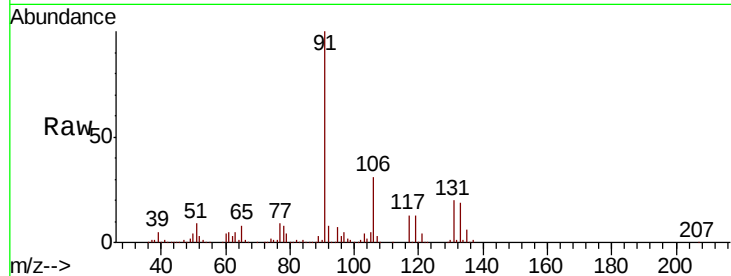




#67
Ethyl Benzene
Concen: 51.79 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

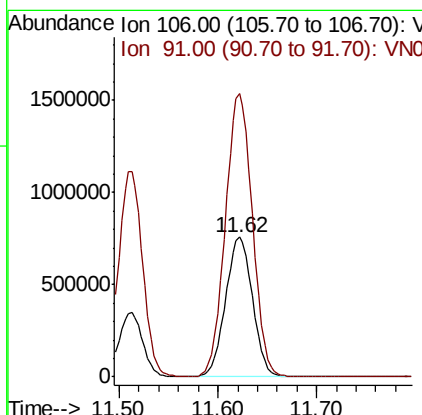
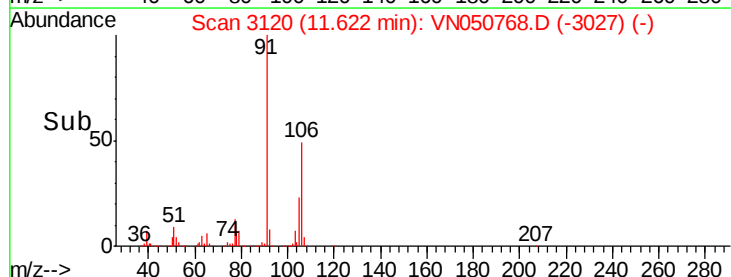
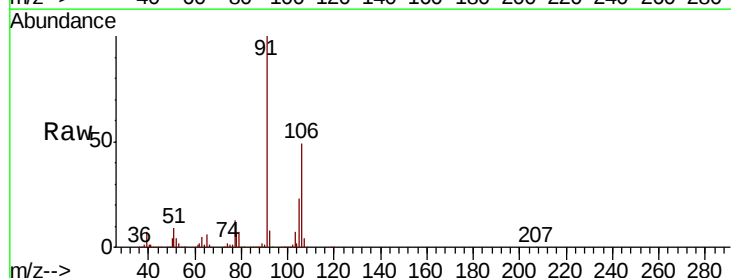
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

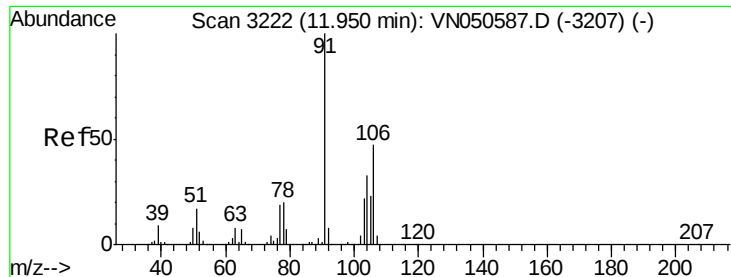
Tot Ion: 91 Resp: 1879165
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2



#68
m/p-Xylenes
Concen: 104.77 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 106 Resp: 1453776
Ion Ratio Lower Upper
106 100
91 202.7 161.5 242.3

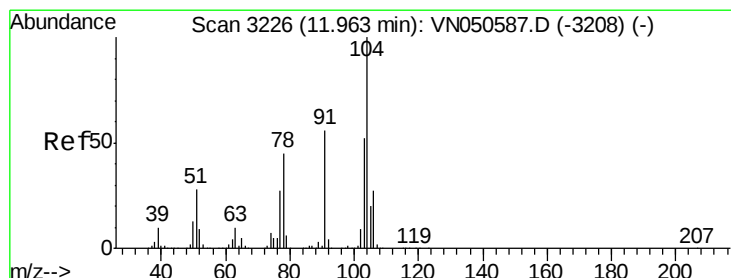
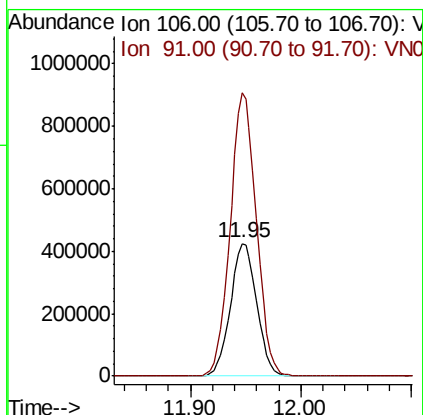
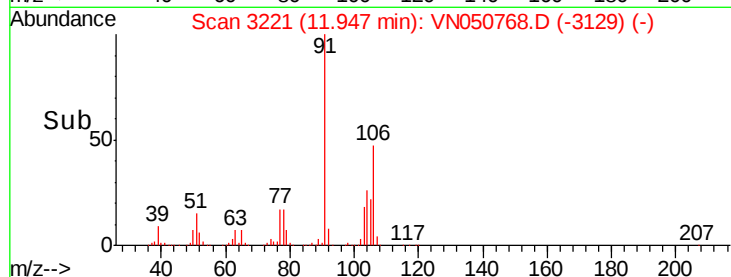
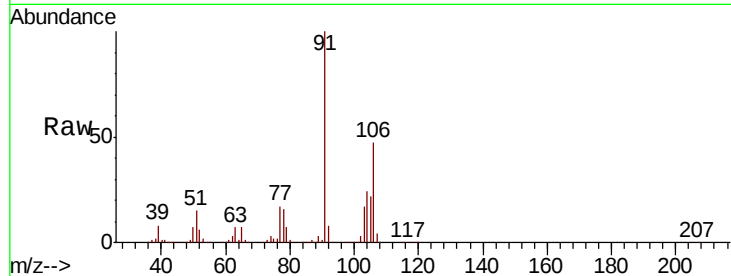




#69
o-Xylene
Concen: 53.01 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

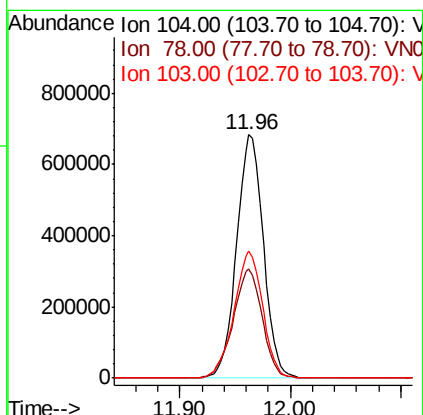
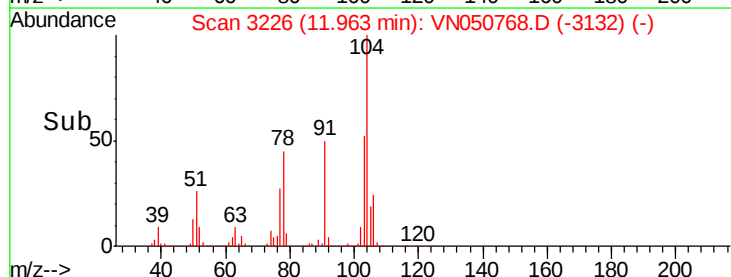
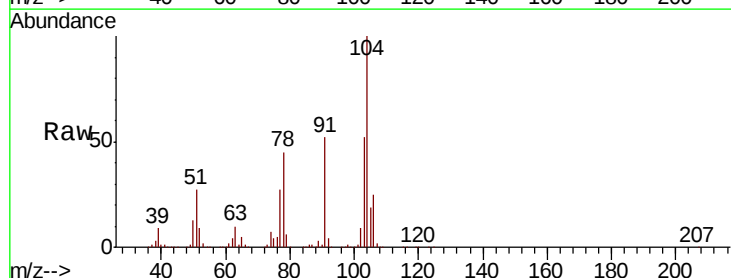
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

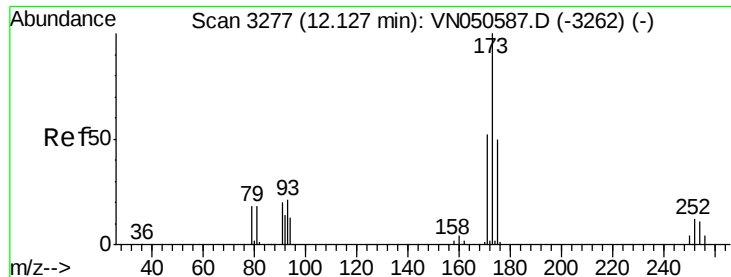
Tot Ion:106 Resp: 701433
Ion Ratio Lower Upper
106 100
91 211.9 106.8 320.4



#70
Styrene
Concen: 48.85 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion:104 Resp: 1148863
Ion Ratio Lower Upper
104 100
78 48.7 39.1 58.7
103 55.9 44.9 67.3





#71

Bromoform

Concen: 50.56 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

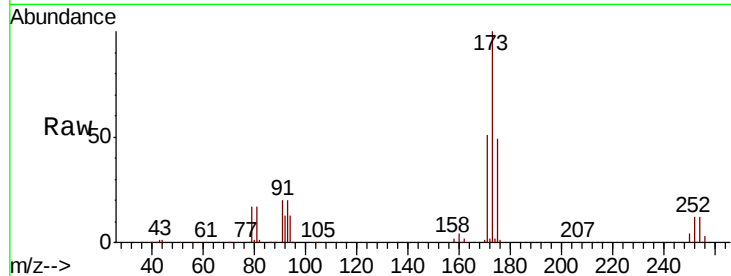
Tot Ion:173 Resp: 282362

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.2

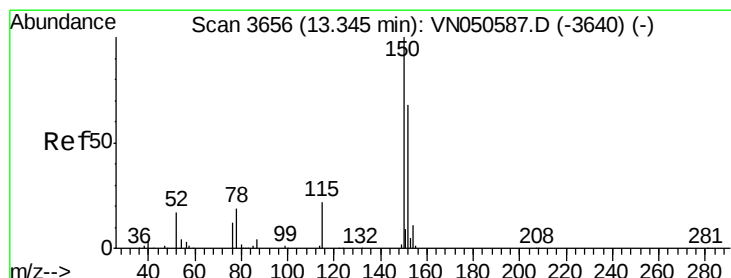
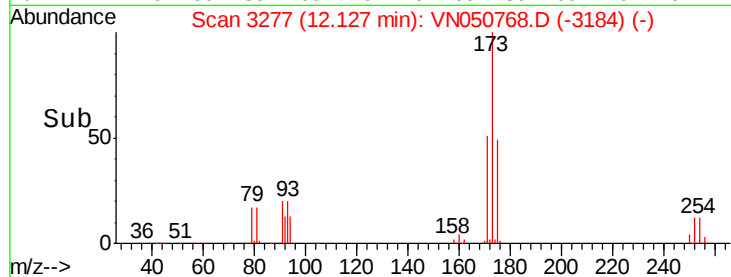
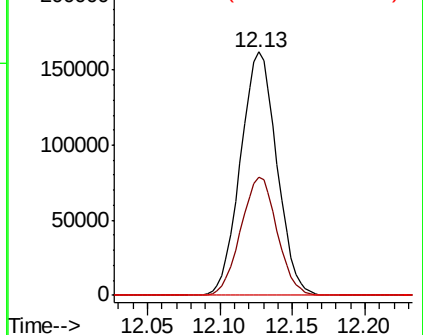
254 0.2 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

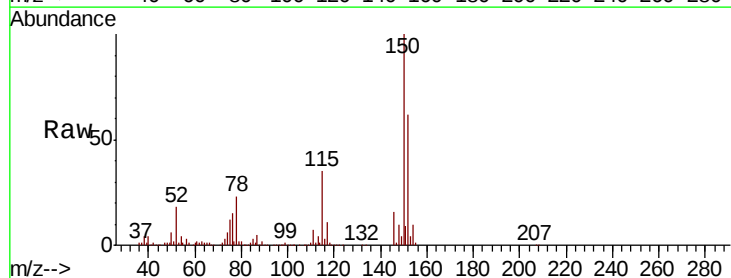
Tgt Ion:152 Resp: 460404

Ion Ratio Lower Upper

152 100

115 55.5 28.1 84.2

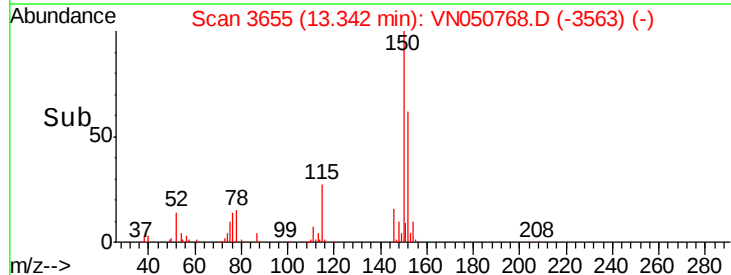
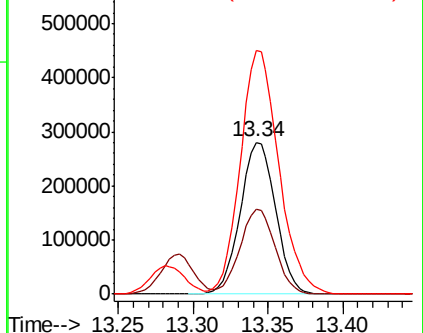
150 174.7 0.0 347.8

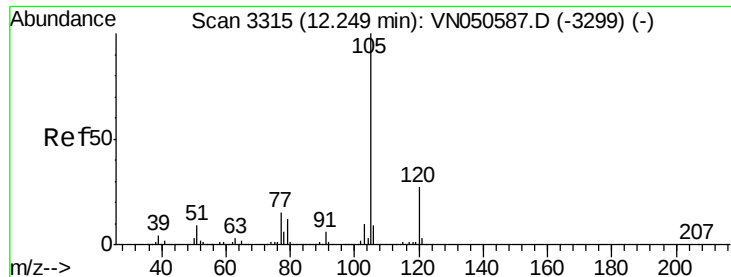


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.59 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

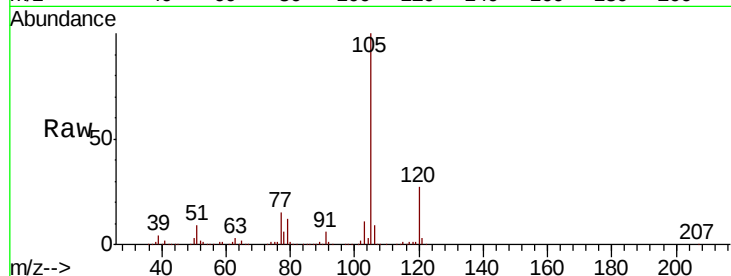
VSTDCCC050

Tot Ion:105 Resp: 1855809

Ion Ratio Lower Upper

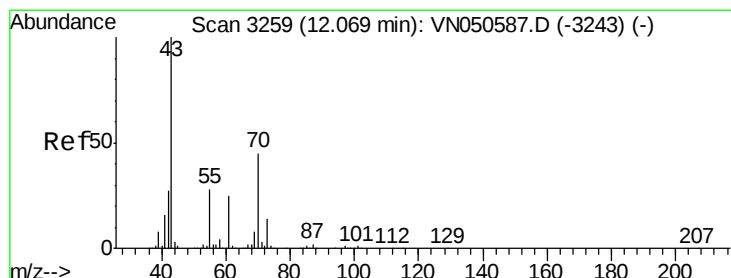
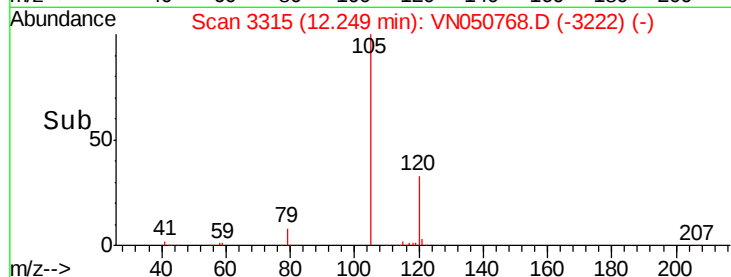
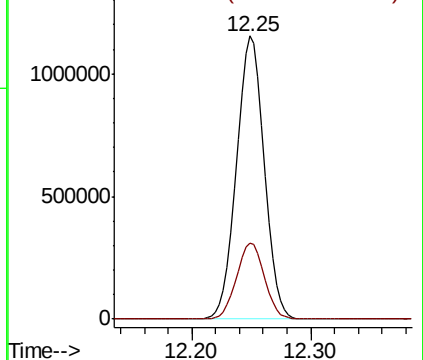
105 100

120 27.1 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.21 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Tgt Ion: 43 Resp: 469883

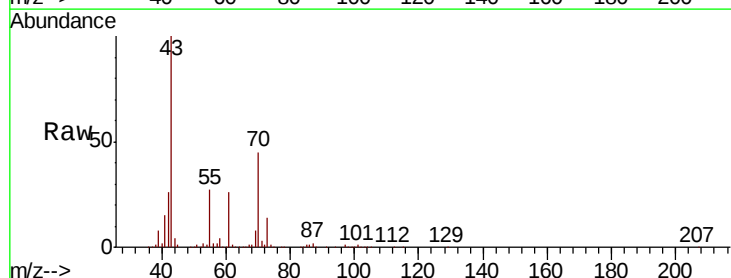
Ion Ratio Lower Upper

43 100

70 45.2 35.9 53.9

55 27.3 22.2 33.4

61 25.6 20.0 30.0

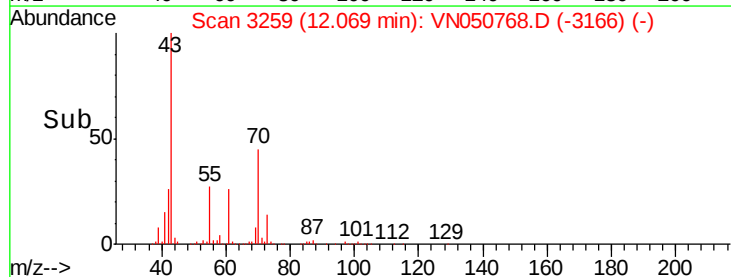
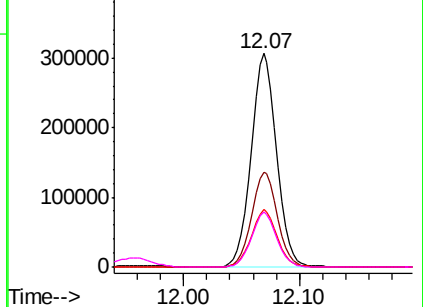


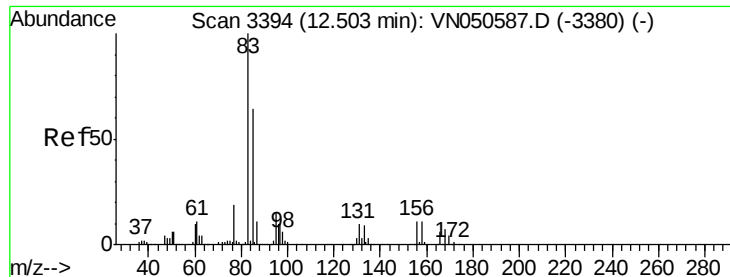
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.09 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

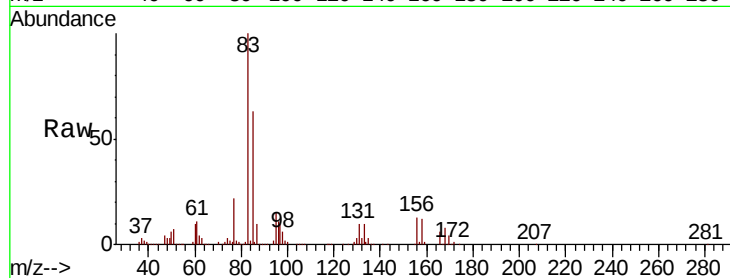
Tot Ion: 83 Resp: 450149

Ion Ratio Lower Upper

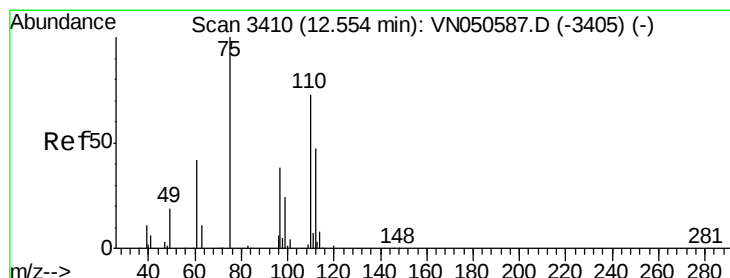
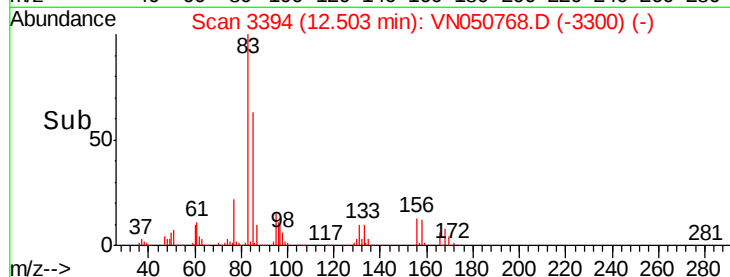
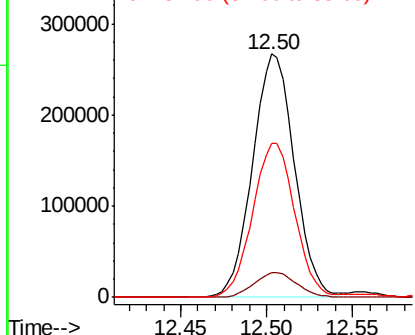
83 100

131 10.5 5.3 15.9

85 63.8 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 72.33 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050768.D

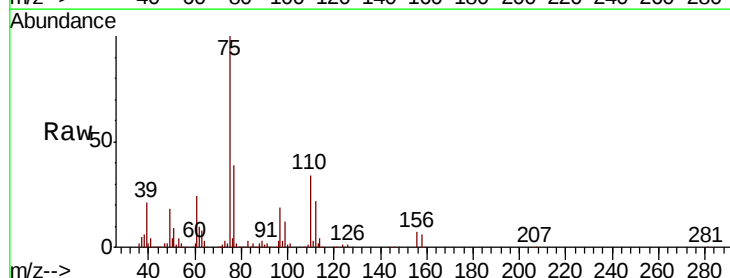
Acq: 20 Aug 2018 12:33

Tgt Ion: 75 Resp: 534624

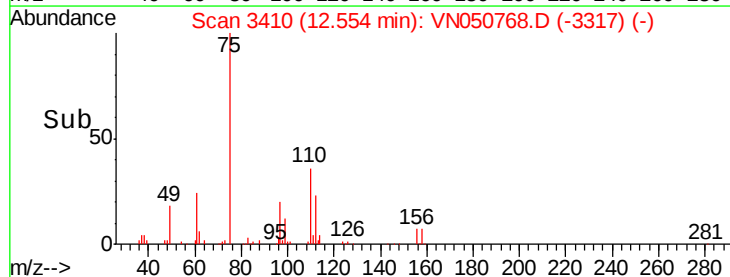
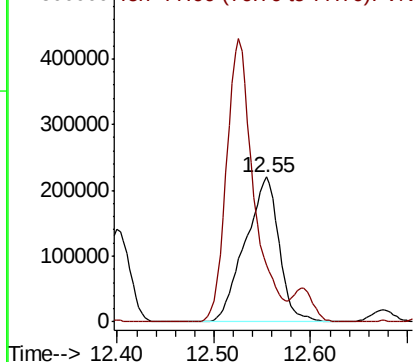
Ion Ratio Lower Upper

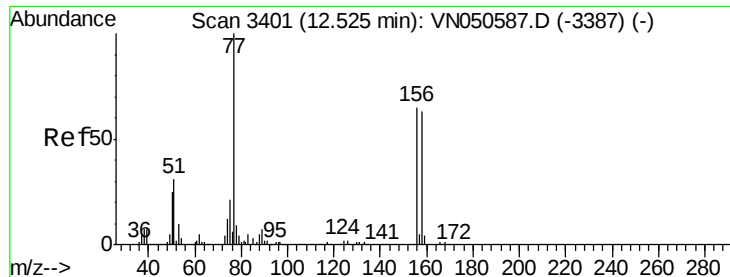
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.81 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

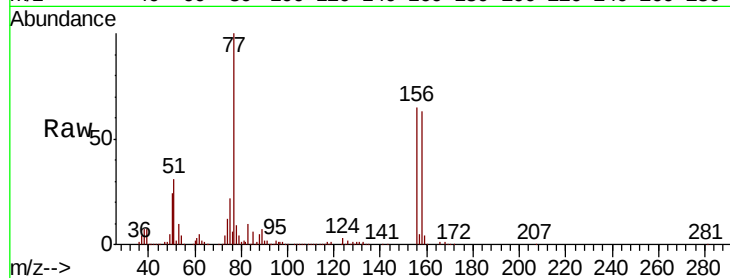
Tot Ion:156 Resp: 476740

Ion Ratio Lower Upper

156 100

77 177.0 89.0 267.1

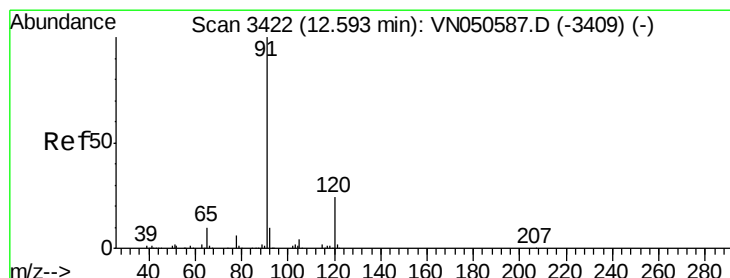
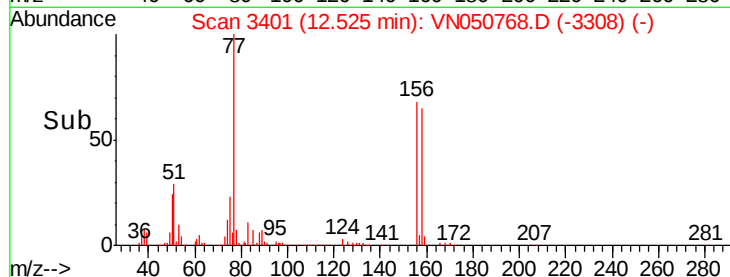
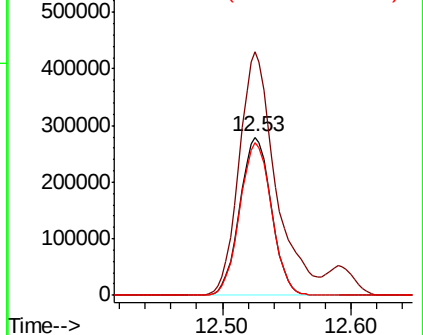
158 97.2 48.5 145.6



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: 52.84 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050768.D

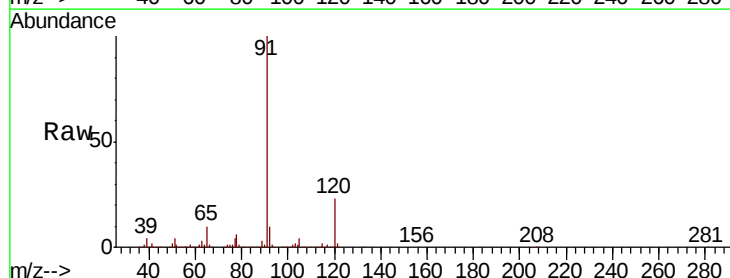
Acq: 20 Aug 2018 12:33

Tgt Ion: 91 Resp: 2119601

Ion Ratio Lower Upper

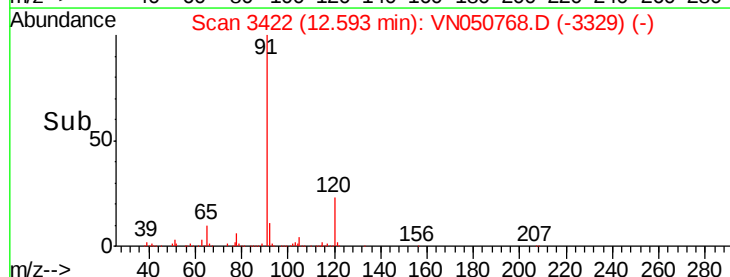
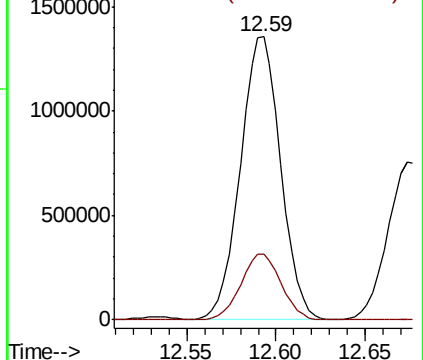
91 100

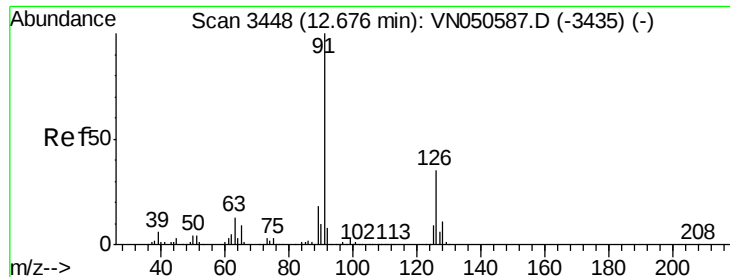
120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.55 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampled :

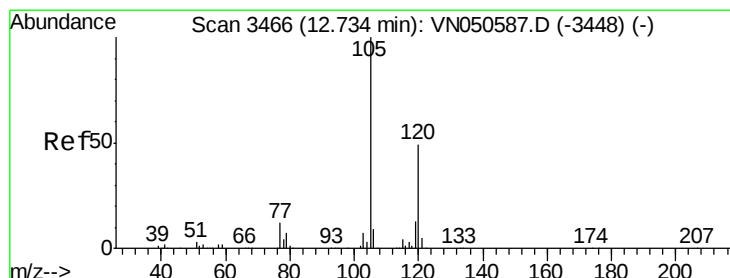
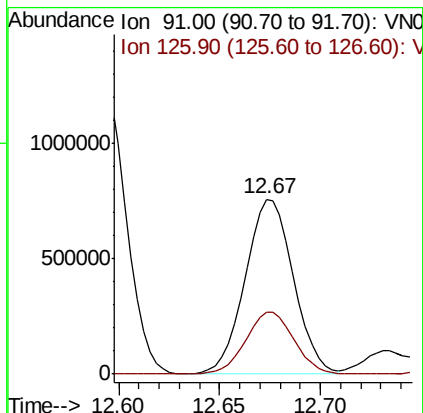
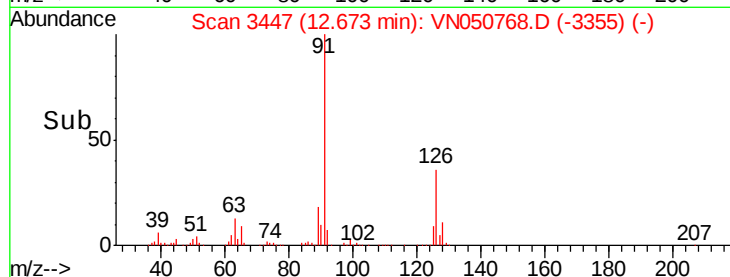
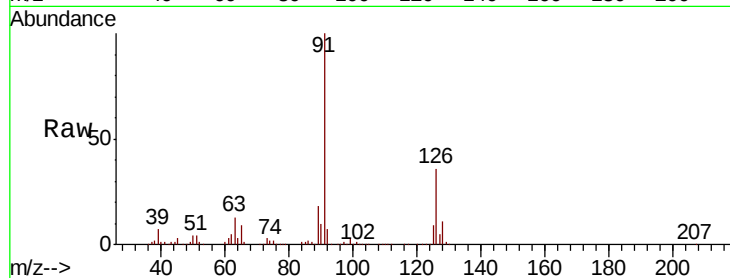
VSTDCCC050

Tot Ion: 91 Resp: 1264246

Ion Ratio Lower Upper

91 100

126 35.6 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 53.22 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050768.D

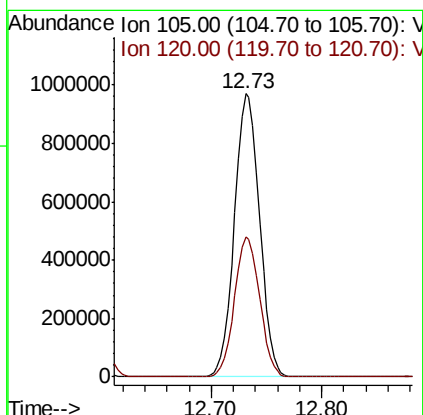
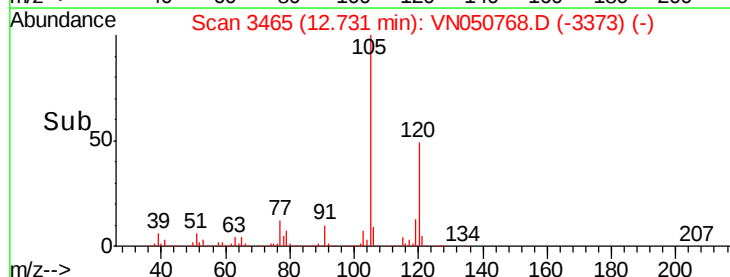
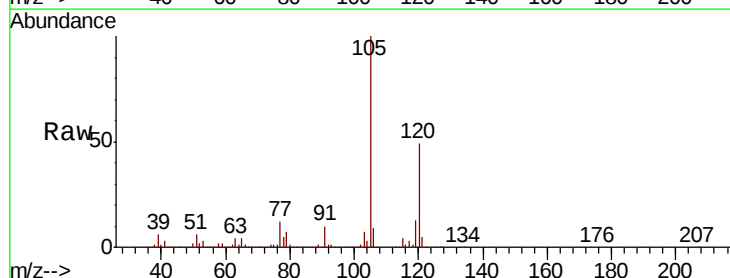
Acq: 20 Aug 2018 12:33

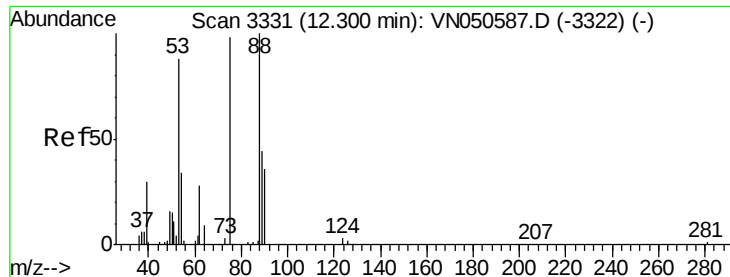
Tgt Ion:105 Resp: 1532653

Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1

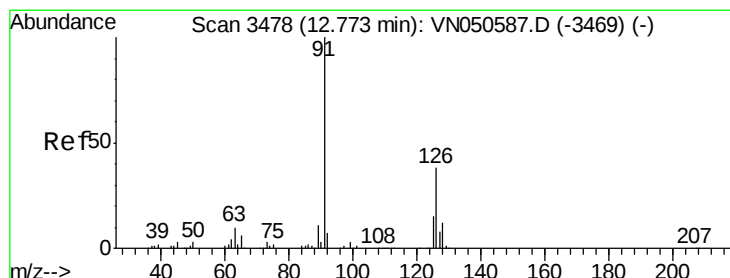
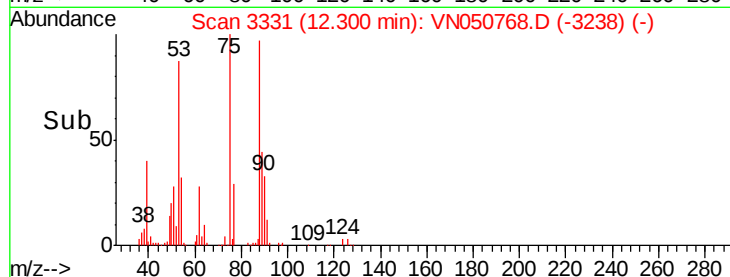
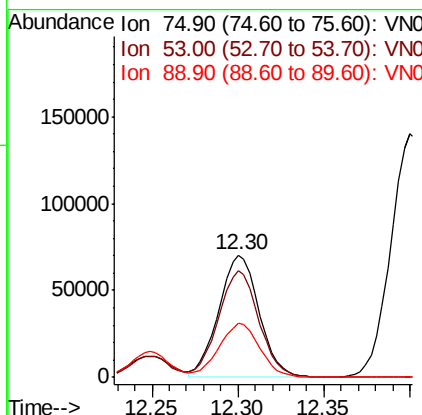
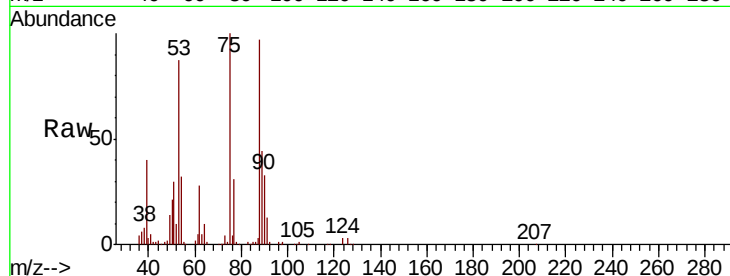




#81
trans-1,4-Dichloro-2-butene
Concen: 55.61 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

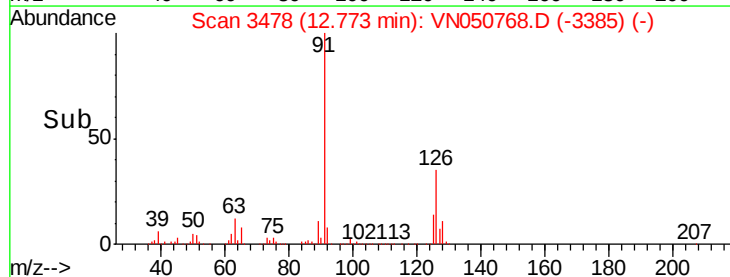
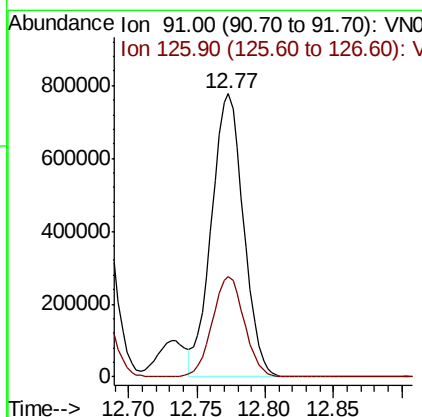
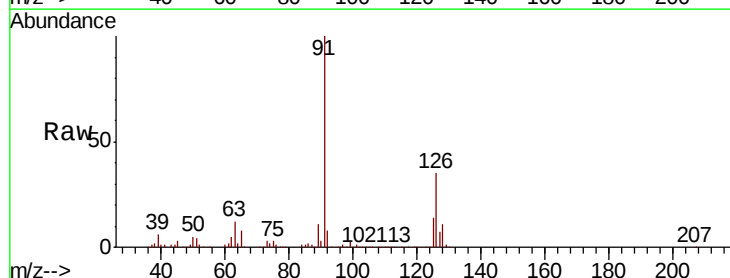
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

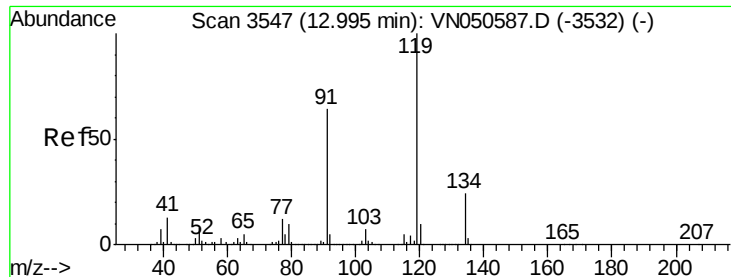
Tot Ion: 75 Resp: 115155
Ion Ratio Lower Upper
75 100
53 88.2 72.2 108.2
89 44.8 36.3 54.5



#82
4-Chlorotoluene
Concen: 51.21 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 91 Resp: 1265629
Ion Ratio Lower Upper
91 100
126 35.3 17.3 52.0





#83

tert-Butylbenzene

Concen: 52.08 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

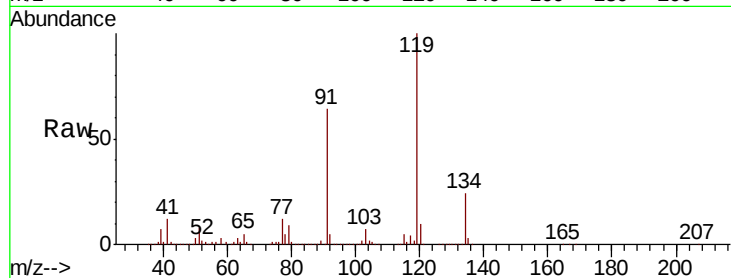
Tot Ion:119 Resp: 1302079

Ion Ratio Lower Upper

119 100

91 63.6 32.2 96.6

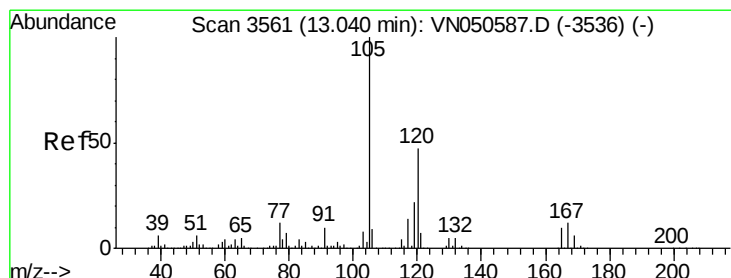
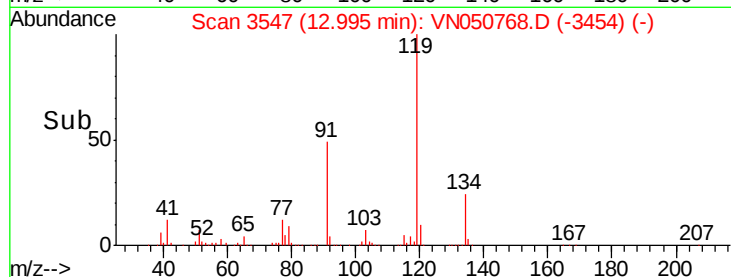
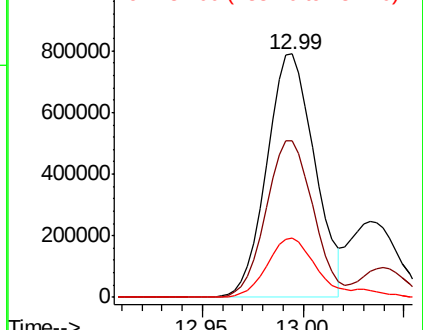
134 24.6 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.02 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050768.D

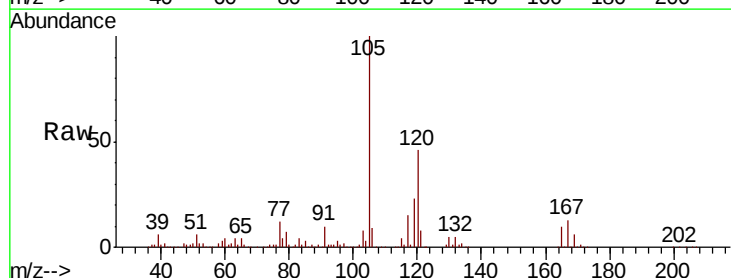
Acq: 20 Aug 2018 12:33

Tgt Ion:105 Resp: 1561506

Ion Ratio Lower Upper

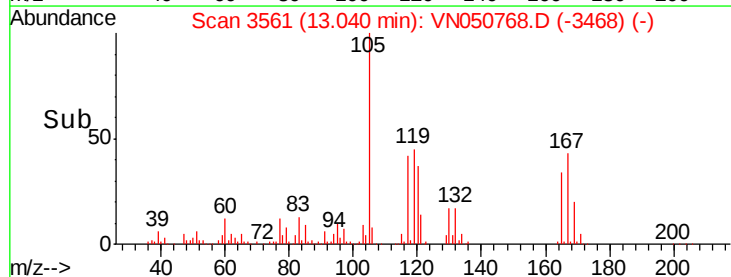
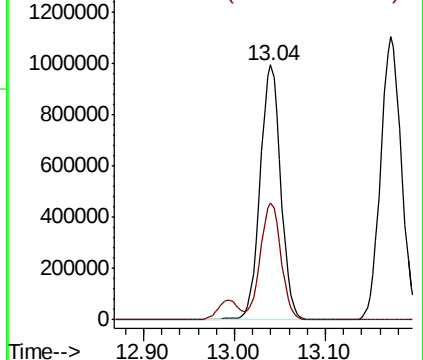
105 100

120 46.2 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.14 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

Instrument :

MSVOA_N

ClientSampleId :

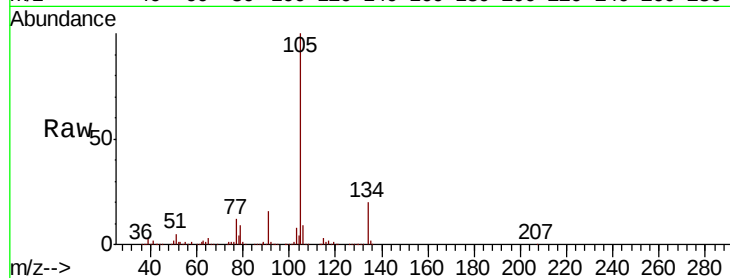
VSTDCCC050

Tot Ion:105 Resp: 1736273

Ion Ratio Lower Upper

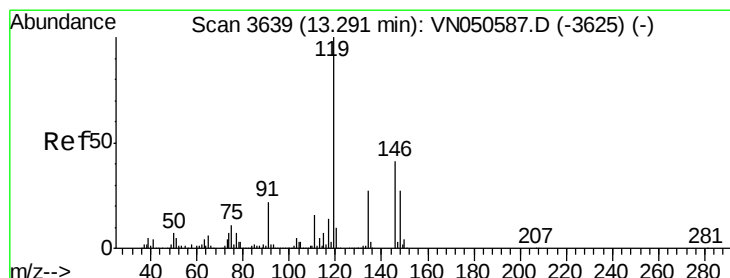
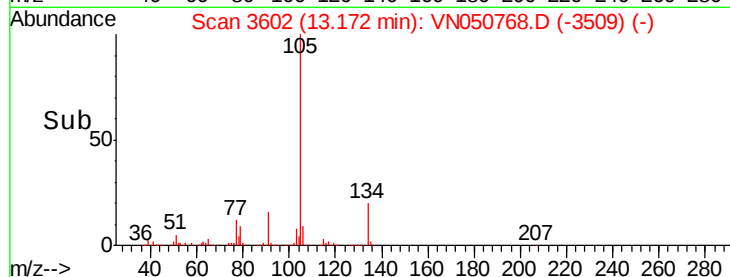
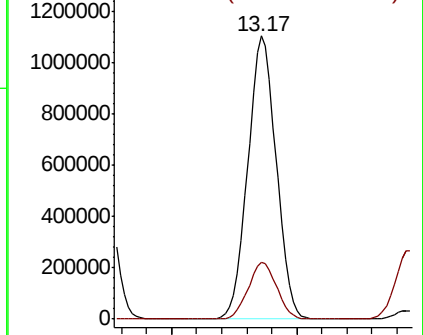
105 100

134 20.2 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.43 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050768.D

Acq: 20 Aug 2018 12:33

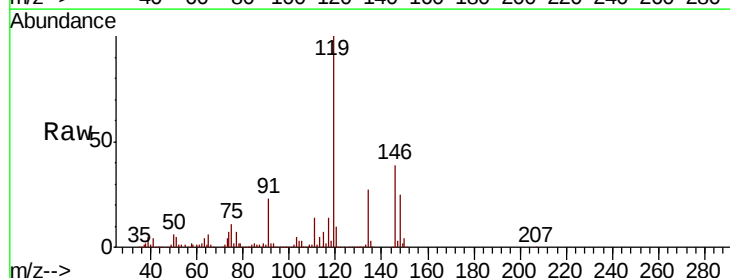
Tgt Ion:119 Resp: 1534505

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

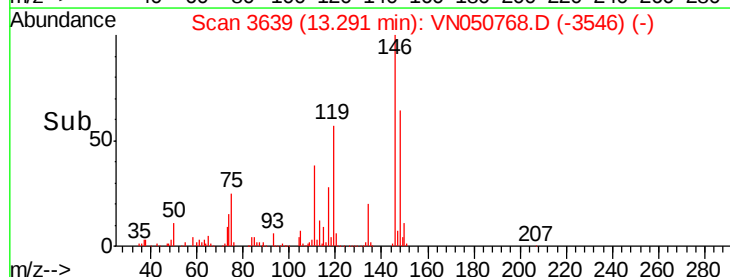
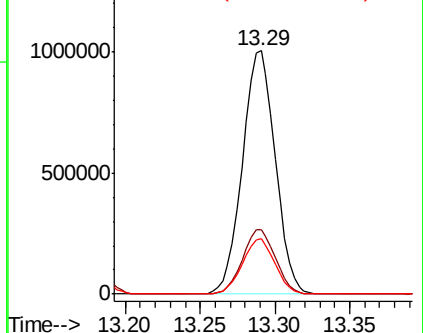
91 22.4 11.2 33.6

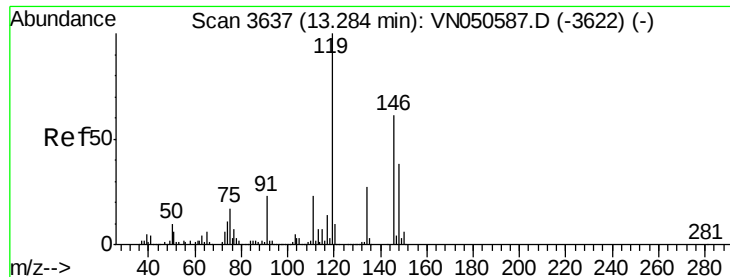


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

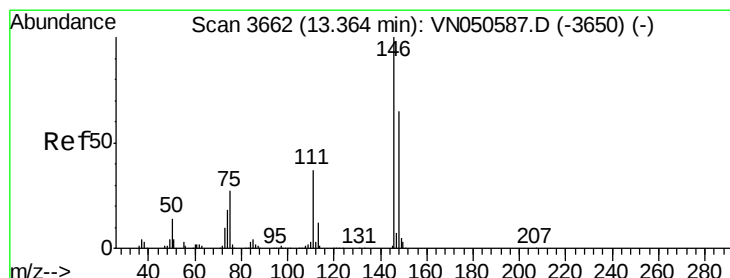
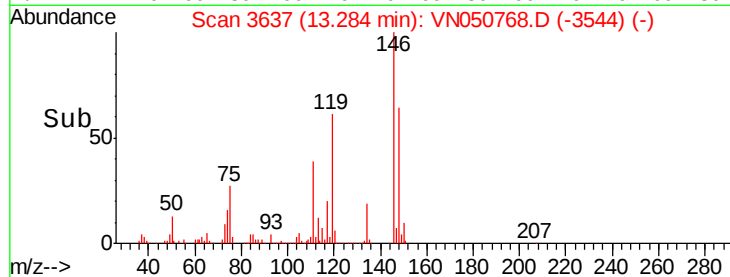
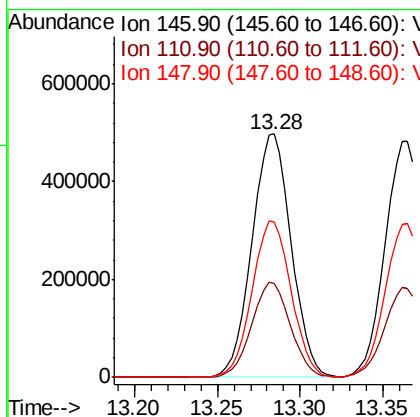
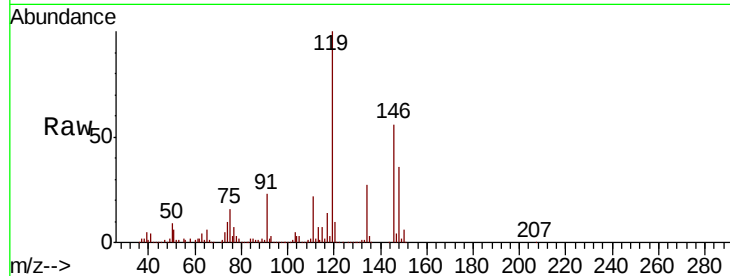




#87
 1,3-Dichlorobenzene
 Concen: 49.39 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

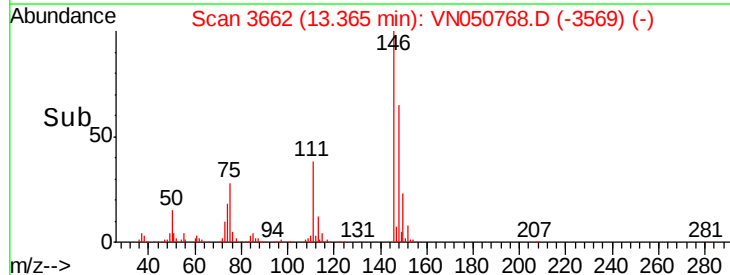
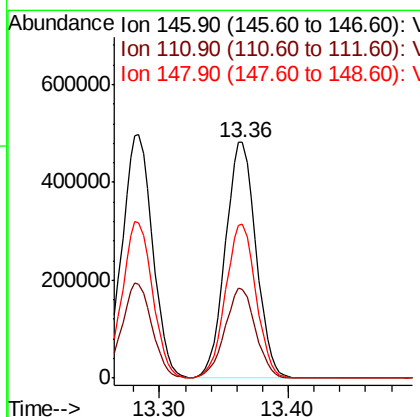
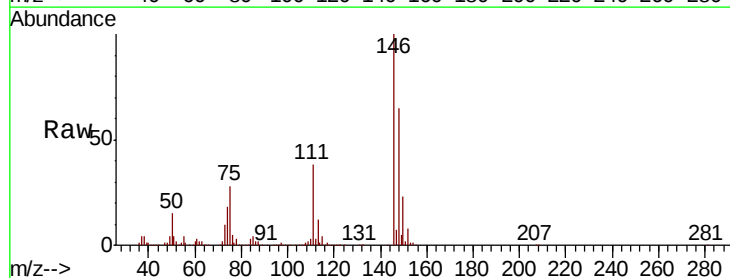
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

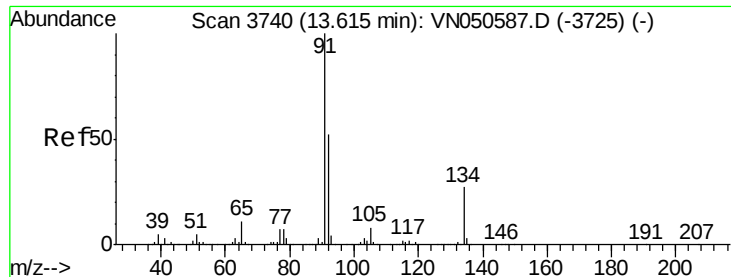
Tot Ion:146 Resp: 821219
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.2 57.6
 148 64.0 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 48.06 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion:146 Resp: 792978
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.4
 148 64.9 32.3 96.8

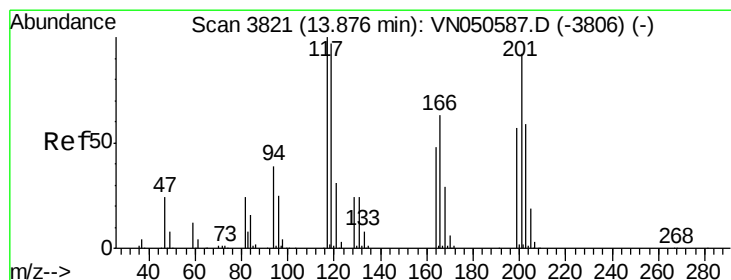
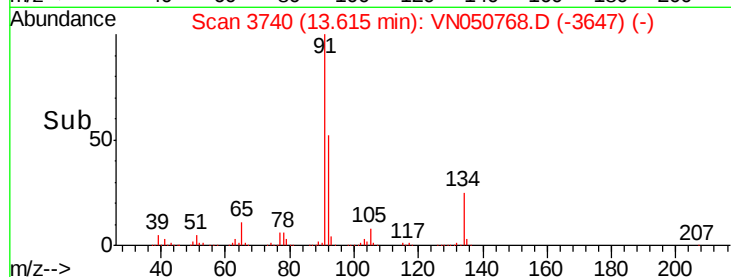
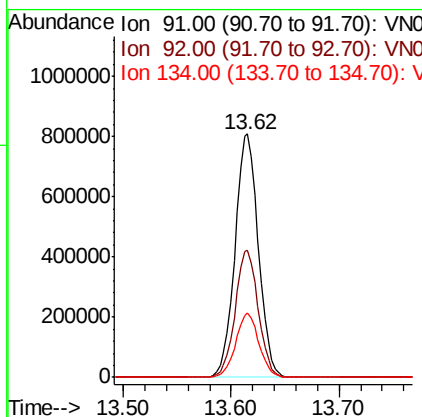
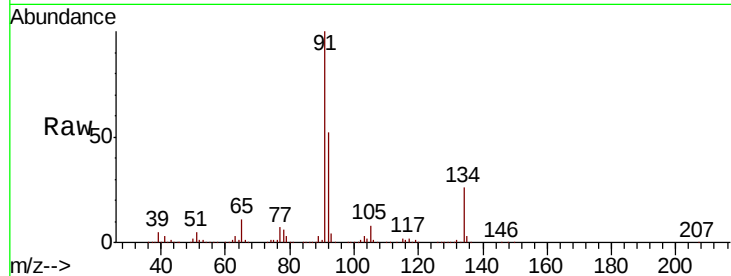




#89
n-Butylbenzene
Concen: 54.33 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

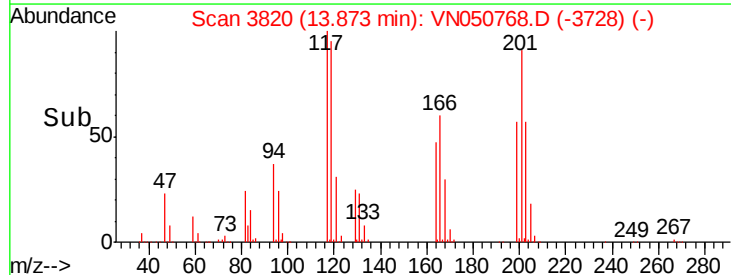
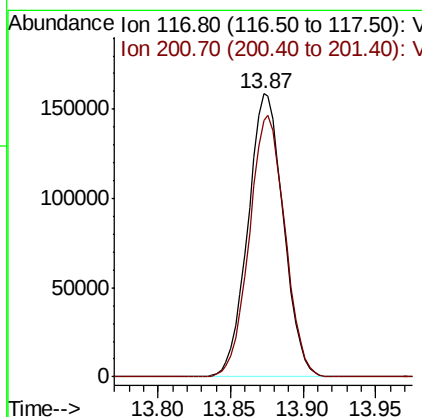
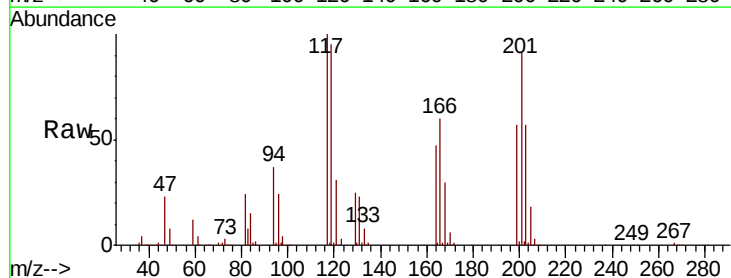
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

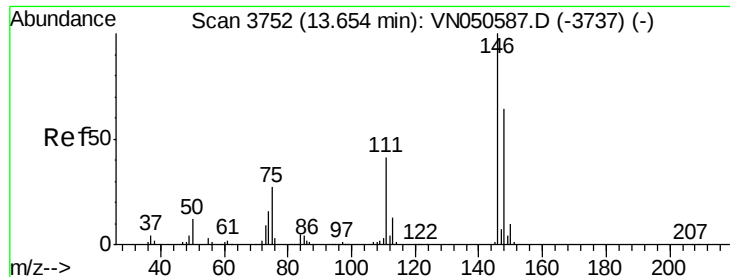
Tot Ion: 91 Resp: 1214447
Ion Ratio Lower Upper
91 100
92 51.8 26.3 78.8
134 26.2 13.3 39.9



#90
Hexachloroethane
Concen: 48.63 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion: 117 Resp: 270722
Ion Ratio Lower Upper
117 100
201 92.4 45.5 136.5

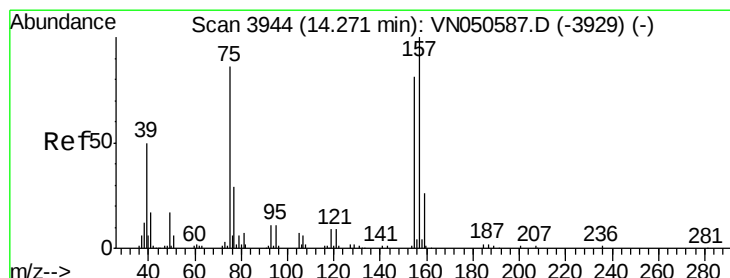
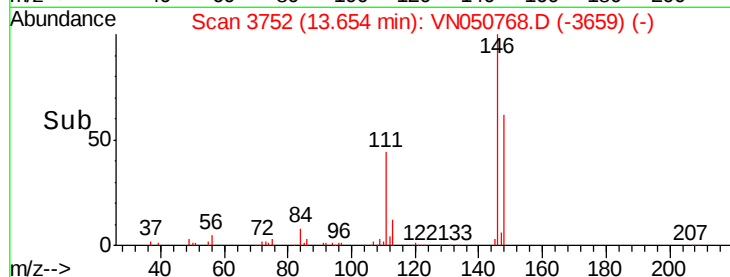
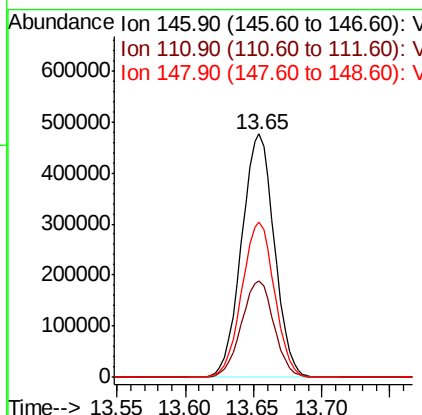
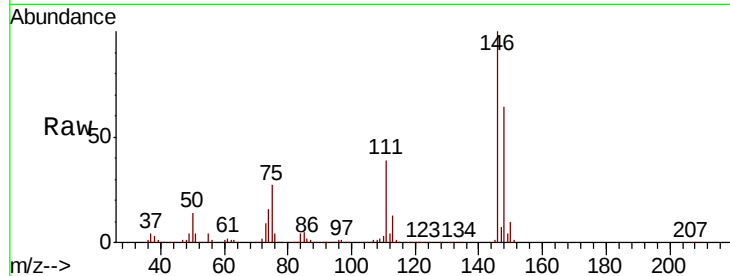




#91
 1,2-Dichlorobenzene
 Concen: 48.79 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

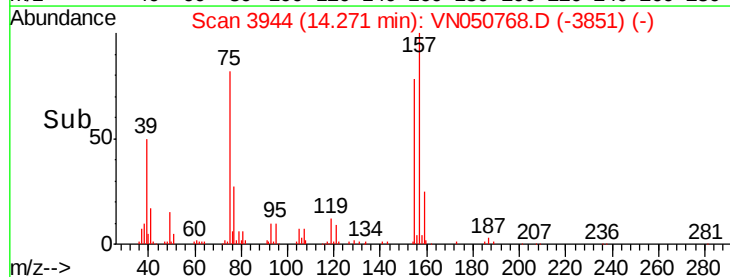
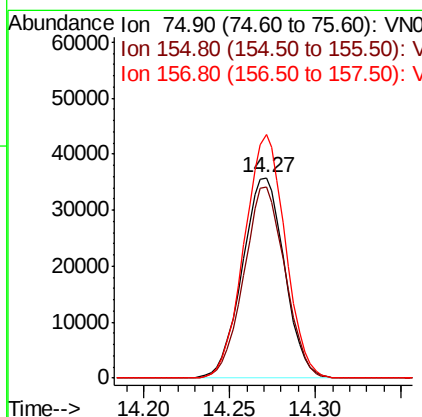
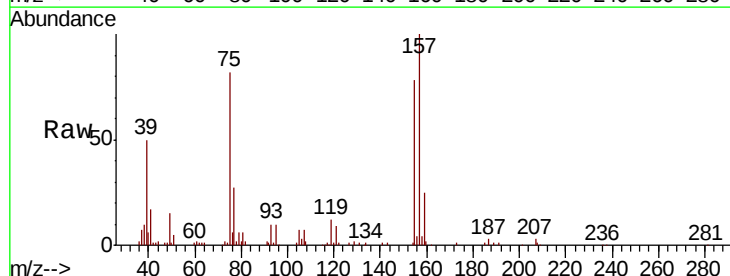
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

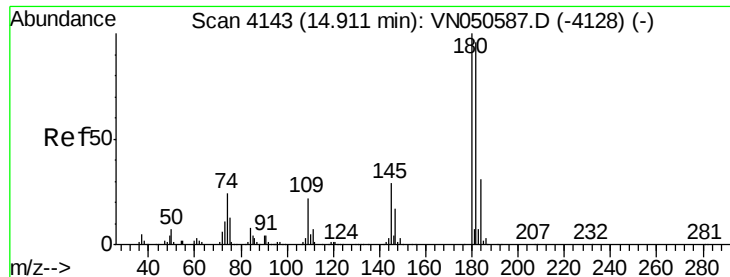
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	63.9	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.40 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.9	46.6	139.8
157	118.0	58.1	174.2

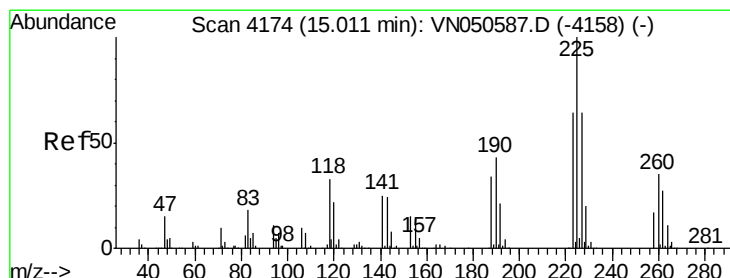
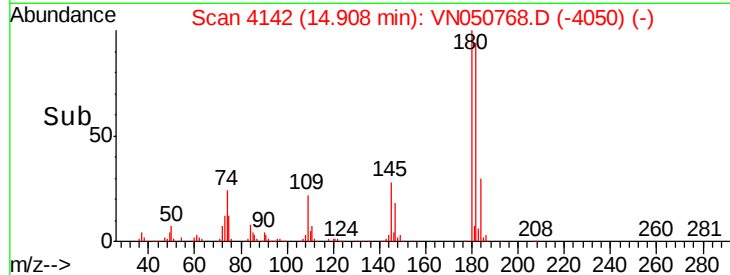
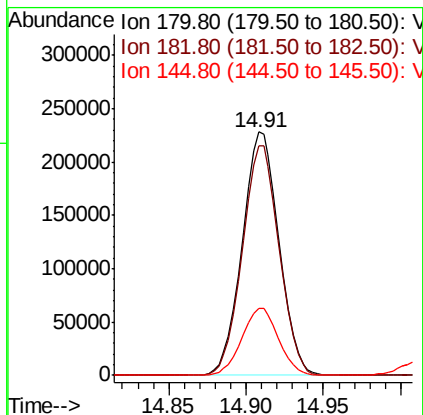
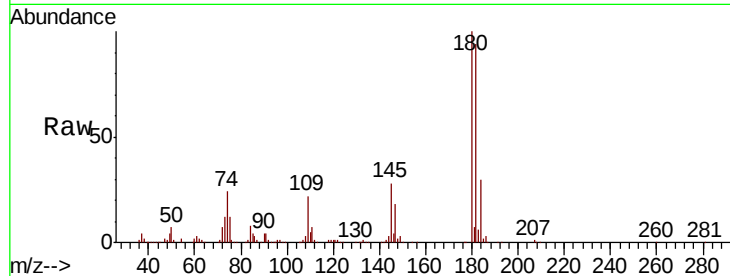




#93
 1,2,4-Trichlorobenzene
 Concen: 45.43 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

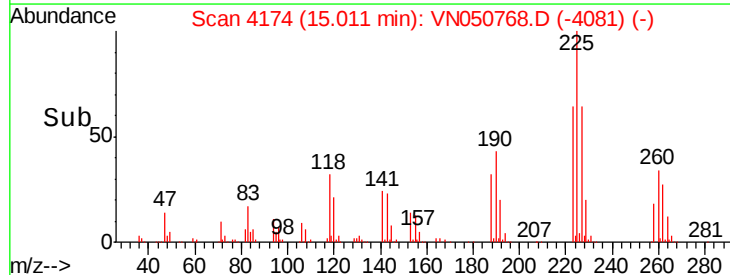
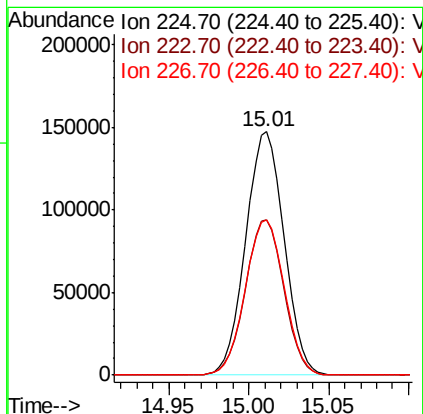
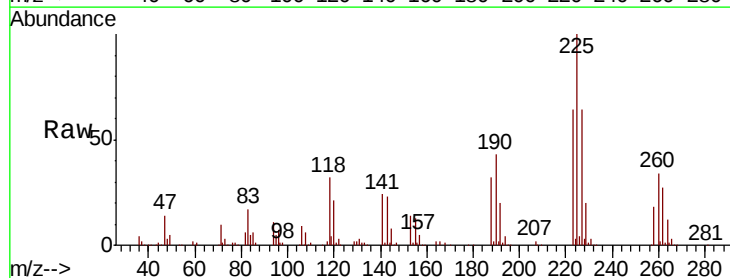
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

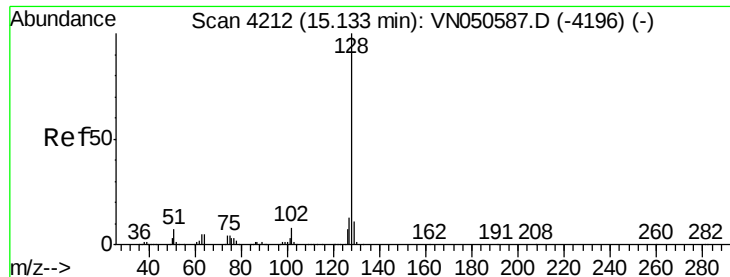
Tot Ion:180 Resp: 376014
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.9 143.7
 145 27.6 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 48.62 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050768.D
 Acq: 20 Aug 2018 12:33

Tgt Ion:225 Resp: 241808
 Ion Ratio Lower Upper
 225 100
 223 63.8 32.1 96.3
 227 64.4 32.0 96.2

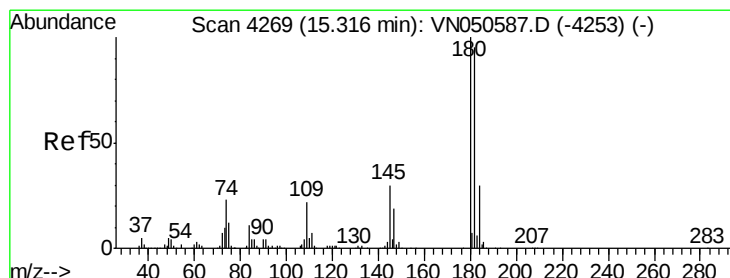
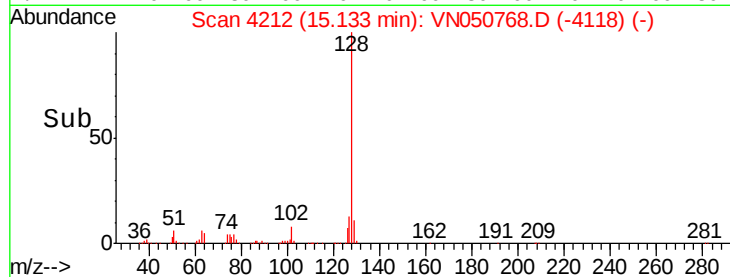
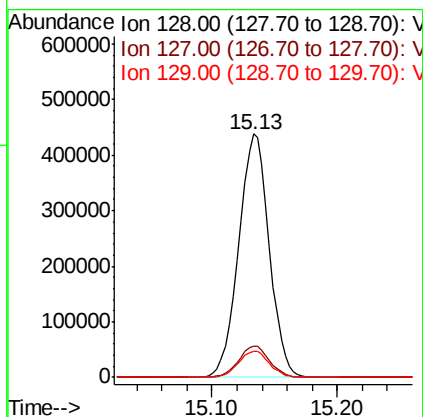
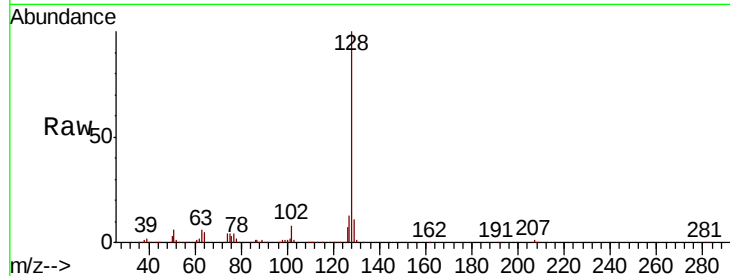




#95
Naphthalene
Concen: 42.41 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 739780
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 45.96 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050768.D
Acq: 20 Aug 2018 12:33

Tgt Ion:180 Resp: 356109
Ion Ratio Lower Upper
180 100
182 95.6 47.3 141.8
145 29.5 14.6 44.0

