

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091018\
 Data File : VN051067.D
 Acq On : 10 Sep 2018 9:23
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Sep 11 01:56:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	734365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1046889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	946210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	483079	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	403558	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	7.59	113	392665	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	10.09	98	1505588	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.40	95	498061	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	333053	47.030	ug/l	100
3) Chloromethane	2.06	50	452538	44.892	ug/l	100
4) Vinyl Chloride	2.18	62	461540	47.479	ug/l	100
5) Bromomethane	2.56	94	270027	41.455	ug/l	100
6) Chloroethane	2.70	64	279510	46.587	ug/l	100
7) Trichlorofluoromethane	3.01	101	611276	47.456	ug/l	100
8) Diethyl Ether	3.41	74	232614	49.102	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	392833	47.310	ug/l	100
10) Methyl Iodide	3.95	142	355626	50.131	ug/l	100
11) Tert butyl alcohol	4.79	59	138871	222.471	ug/l	100
12) 1,1-Dichloroethene	3.73	96	375149	47.891	ug/l	100
13) Acrolein	3.61	56	175797	246.883	ug/l	100
14) Allyl chloride	4.32	41	591551	49.565	ug/l	100
15) Acrylonitrile	4.99	53	676087	244.430	ug/l	100
16) Acetone	3.82	43	491496	216.472	ug/l	100
17) Carbon Disulfide	4.05	76	1133412	43.974	ug/l	100
18) Methyl Acetate	4.33	43	295896	45.213	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1040801	55.320	ug/l	100
20) Methylene Chloride	4.55	84	422912	46.848	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	403526	47.493	ug/l	100
22) Diisopropyl ether	5.95	45	1214076	51.248	ug/l	100
23) Vinyl Acetate	5.90	43	4128095	257.491	ug/l	100
24) 1,1-Dichloroethane	5.85	63	732643	48.745	ug/l	100
25) 2-Butanone	6.84	43	759462	236.364	ug/l	100
26) 2,2-Dichloropropane	6.82	77	592474	48.159	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	453776	48.683	ug/l	100
28) Bromochloromethane	7.20	49	333552	49.858	ug/l	100
29) Tetrahydrofuran	7.21	42	494969	246.682	ug/l	100
30) Chloroform	7.37	83	729123	48.762	ug/l	100
31) Cyclohexane	7.65	56	666158	43.823	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	621100	48.749	ug/l	100
36) 1,1-Dichloropropene	7.79	75	569194	49.521	ug/l	100
37) Ethyl Acetate	6.93	43	333568	50.110	ug/l	100
38) Carbon Tetrachloride	7.77	117	553517	48.930	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	649385	51.207	ug/l	100
40) Benzene	8.04	78	1717864	49.599	ug/l	100
41) Methacrylonitrile	7.18	41	163334	47.556	ug/l	100
42) 1,2-Dichloroethane	8.12	62	493471	48.881	ug/l	100
43) Isopropyl Acetate	8.16	43	586451	49.929	ug/l	100
44) Trichloroethene	8.83	130	459965	48.553	ug/l	100
45) 1,2-Dichloropropane	9.12	63	443219	49.524	ug/l	100
46) Dibromomethane	9.21	93	261431	47.877	ug/l	100
47) Bromodichloromethane	9.40	83	555079	49.995	ug/l	100
48) Methyl methacrylate	9.20	41	291485	50.923	ug/l	100
49) 1,4-Dioxane	9.20	88	87167	971.116	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1624269	250.062	ug/l	100
52) Toluene	10.16	92	1072189	50.768	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	570183	51.311	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	663591	50.931	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	380140	49.550	ug/l	100
56) Ethyl methacrylate	10.43	69	485252	52.848	ug/l	100
57) 1,3-Dichloropropane	10.71	76	636323	50.030	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1020252	271.869	ug/l	100
59) 2-Hexanone	10.75	43	1089702	247.373	ug/l	100
60) Dibromochloromethane	10.90	129	432626	50.031	ug/l	100
61) 1,2-Dibromoethane	11.01	107	374263	49.905	ug/l	100
64) Tetrachloroethene	10.63	164	413306	47.869	ug/l	100
65) Chlorobenzene	11.43	112	1169598	49.037	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	426635	49.682	ug/l	100
67) Ethyl Benzene	11.51	91	1990825	51.541	ug/l	100
68) m/p-Xylenes	11.62	106	1563409	105.345	ug/l	100
69) o-Xylene	11.95	106	751468	52.289	ug/l	100
70) Styrene	11.96	104	1210922	54.319	ug/l	100
71) Bromoform	12.13	173	305696	50.562	ug/l #	100
73) Isopropylbenzene	12.25	105	1972079	48.678	ug/l	100
74) N-amyl acetate	12.07	43	494453	48.498	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	467582	43.348	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	559259	69.615	ug/l #	100
77) Bromobenzene	12.53	156	504544	46.368	ug/l	100
78) n-propylbenzene	12.59	91	2206498	49.551	ug/l	100
79) 2-Chlorotoluene	12.67	91	1322260	47.508	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1626669	49.664	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	125225	49.231	ug/l	100
82) 4-Chlorotoluene	12.77	91	1327161	48.037	ug/l	100
83) tert-Butylbenzene	12.99	119	1405864	48.620	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1639800	50.918	ug/l	100
85) sec-Butylbenzene	13.17	105	1828079	49.296	ug/l	100
86) p-Isopropyltoluene	13.29	119	1624807	51.674	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	871667	47.216	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	849810	46.705	ug/l	100
89) n-Butylbenzene	13.61	91	1275082	52.104	ug/l	100
90) Hexachloroethane	13.87	117	284981	44.345	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	850035	47.252	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66580	42.294	ug/l	100

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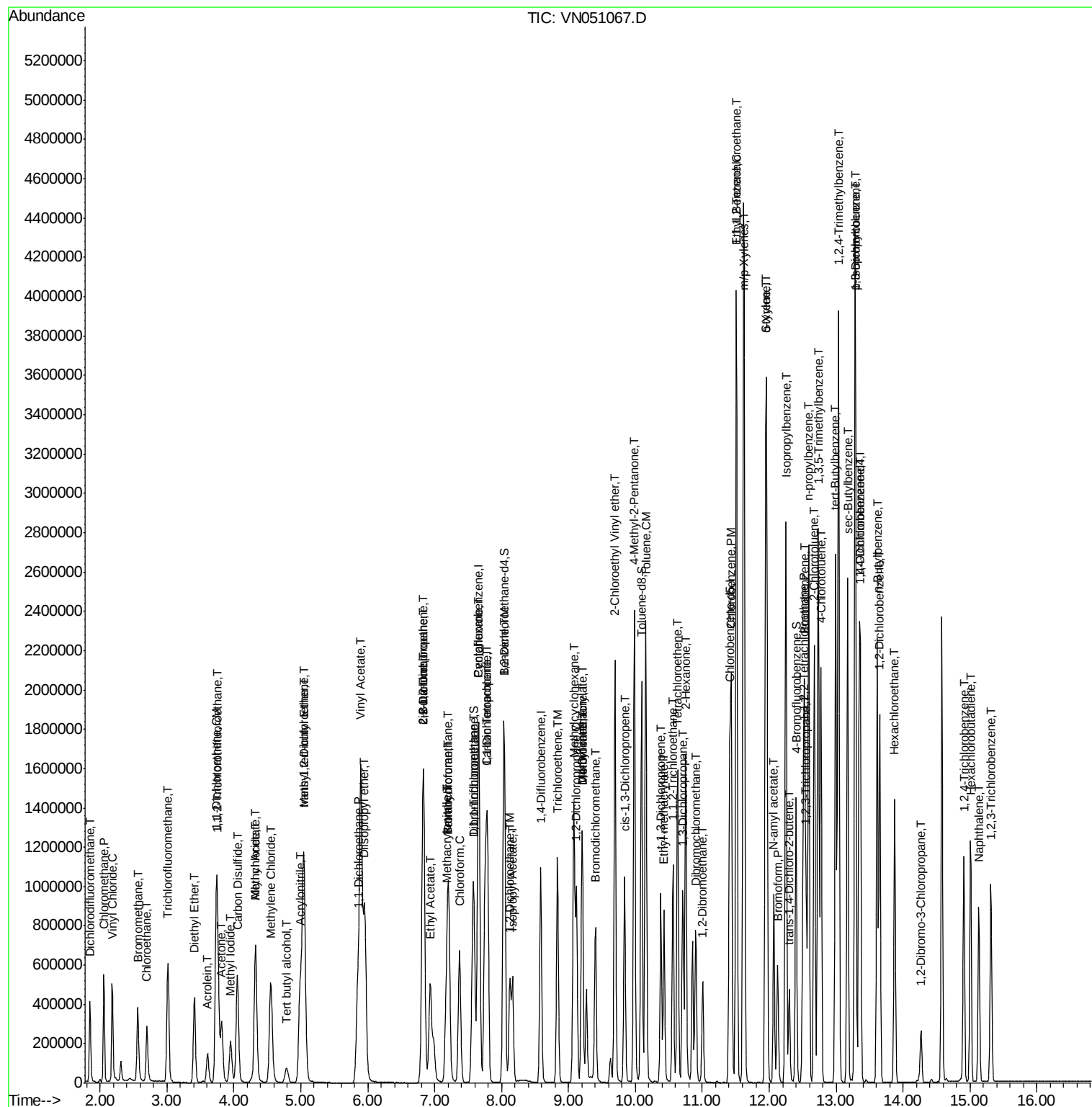
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	402272	51.944	ug/l	100
94) Hexachlorobutadiene	15.01	225	273549	43.156	ug/l	100
95) Naphthalene	15.13	128	788855	48.062	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	393265	48.996	ug/l	100

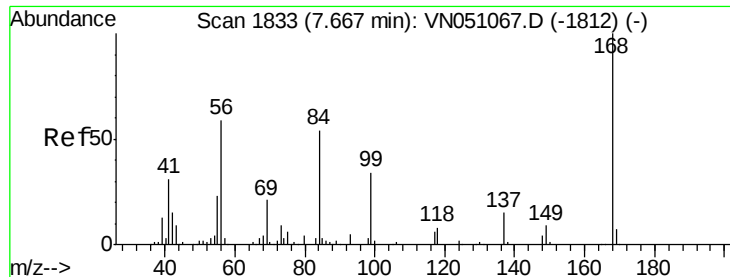
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

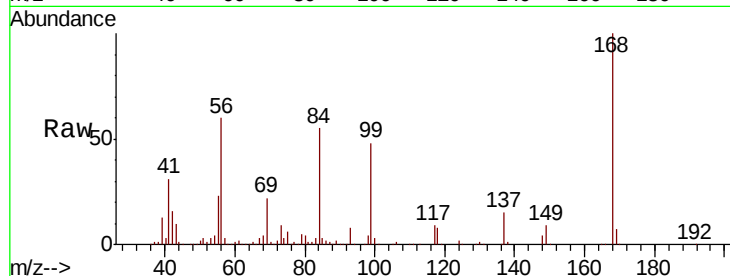
VSTDICCC050

Tgt Ion: 168 Resp: 734365

Ion Ratio Lower Upper

168 100

99 47.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): VN051067.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN051067.D (-1812) (-)

7.67

300000

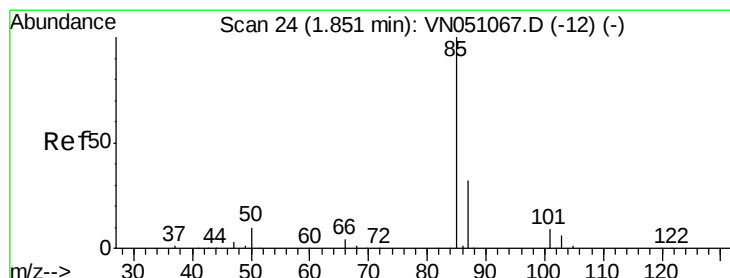
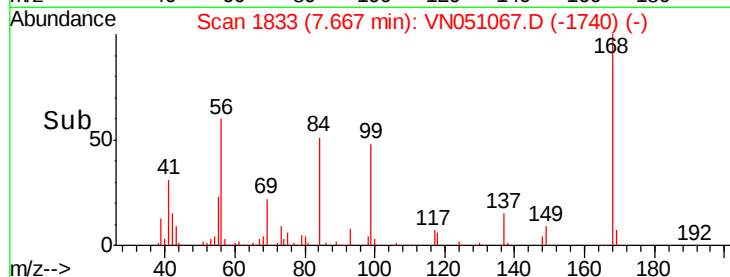
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.030 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051067.D

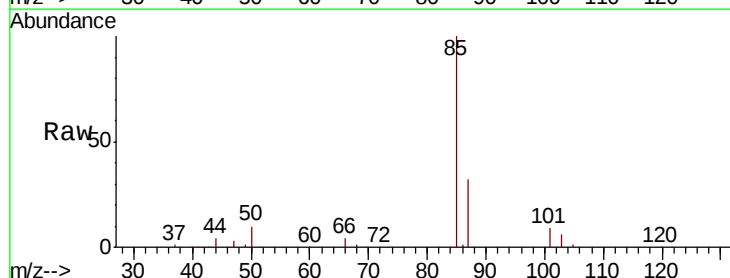
Acq: 10 Sep 2018 9:23

Tgt Ion: 85 Resp: 333053

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN051067.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN051067.D (-12) (-)

1.85

250000

200000

150000

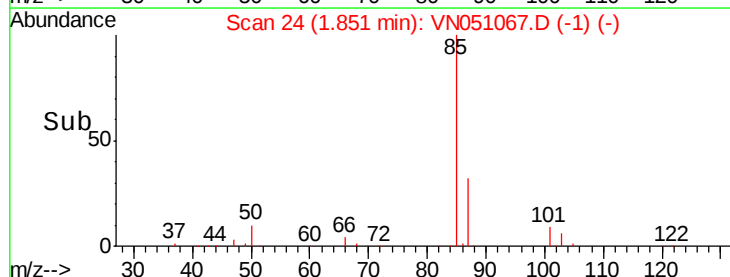
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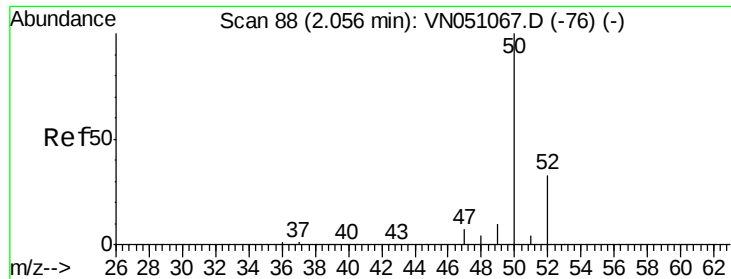
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0

1.80 1.85 1.90 1.95

Time-->

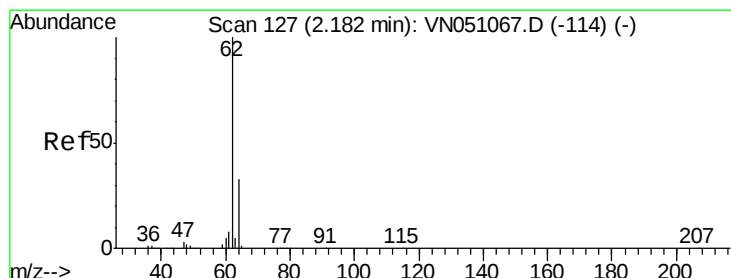
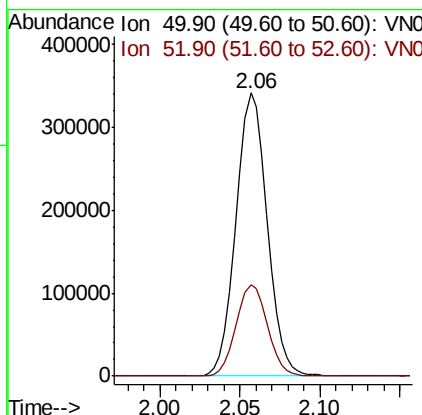
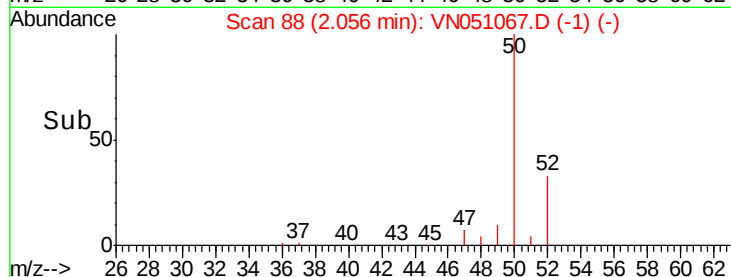
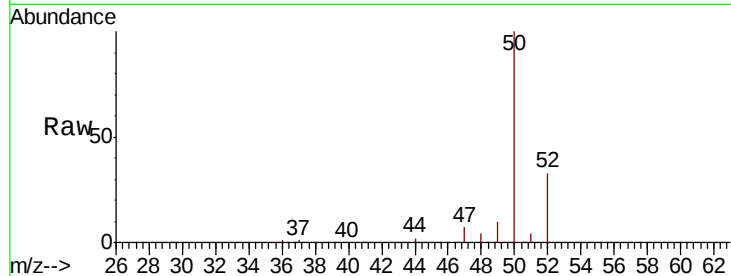




#3
Chloromethane
Concen: 44.892 ug/l
RT: 2.06 min Scan# 88
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

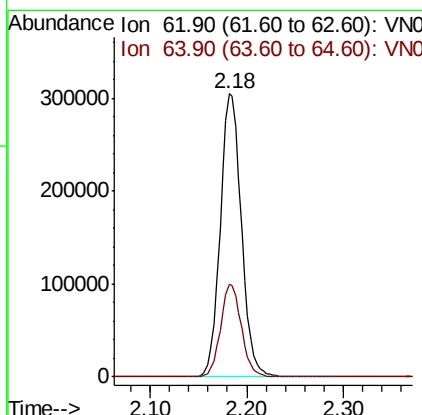
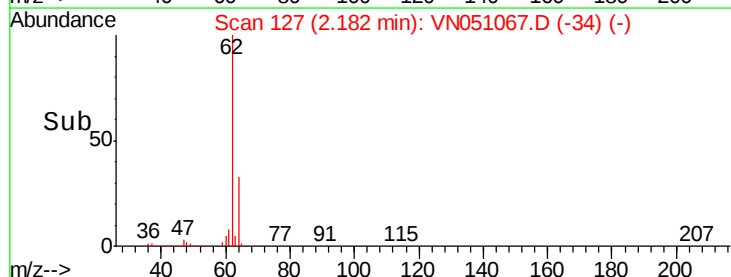
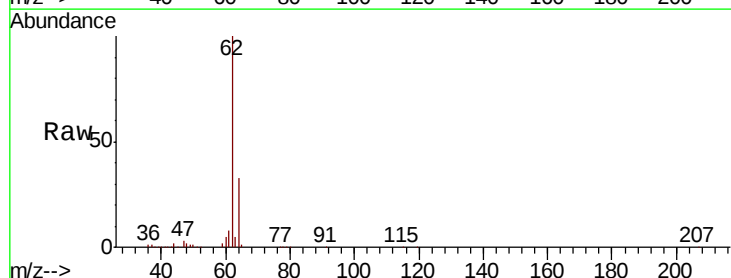
Instrument :
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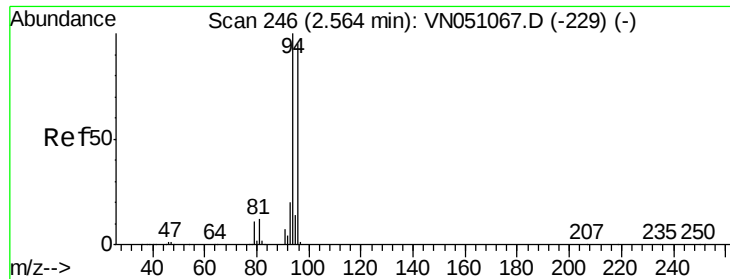
Tgt Ion: 50 Resp: 452538
Ion Ratio Lower Upper
50 100
52 32.5 26.0 39.0



#4
Vinyl Chloride
Concen: 47.479 ug/l
RT: 2.18 min Scan# 127
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion: 62 Resp: 461540
Ion Ratio Lower Upper
62 100
64 32.8 26.2 39.4





#5

Bromomethane

Concen: 41.455 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

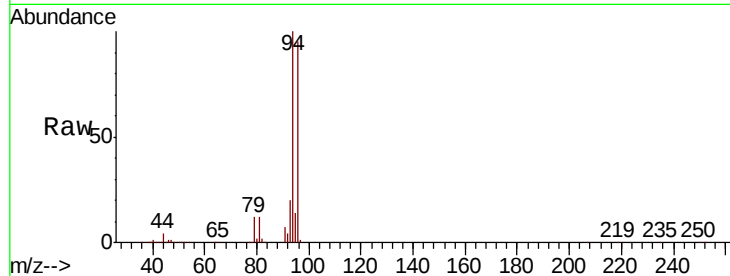
VSTDICCC050

Tgt Ion: 94 Resp: 270027

Ion Ratio Lower Upper

94 100

96 94.9 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

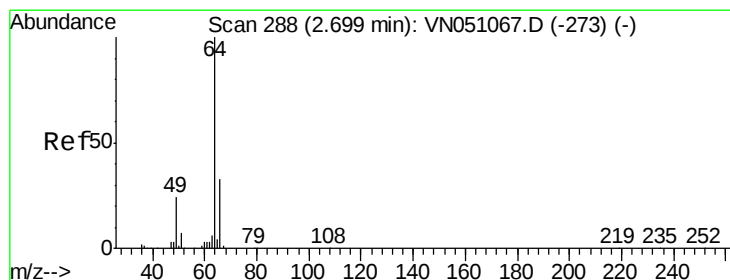
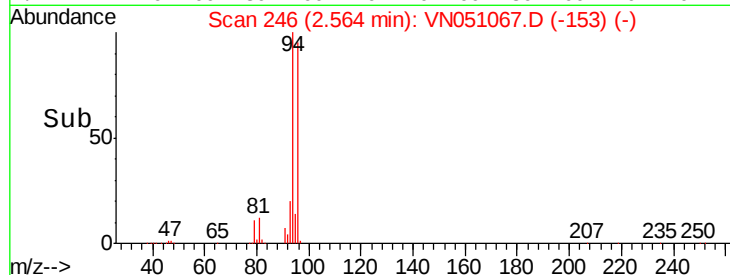
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100000

50000

0

Time-->



#6

Chloroethane

Concen: 46.587 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN051067.D

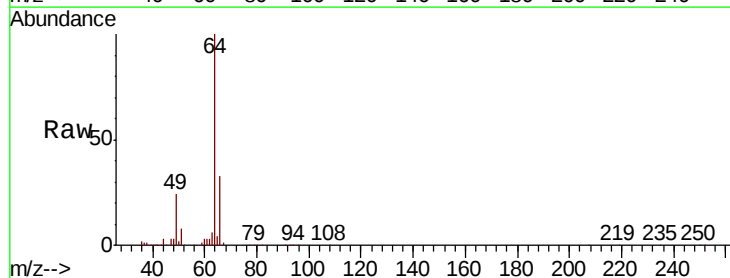
Acq: 10 Sep 2018 9:23

Tgt Ion: 64 Resp: 279510

Ion Ratio Lower Upper

64 100

66 32.6 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

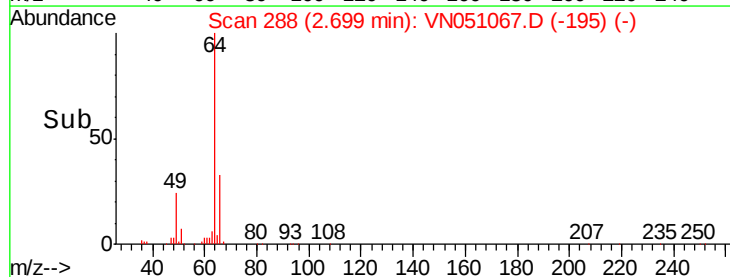
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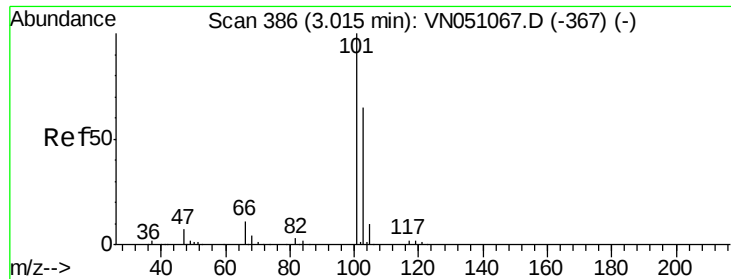
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50000

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Time-->



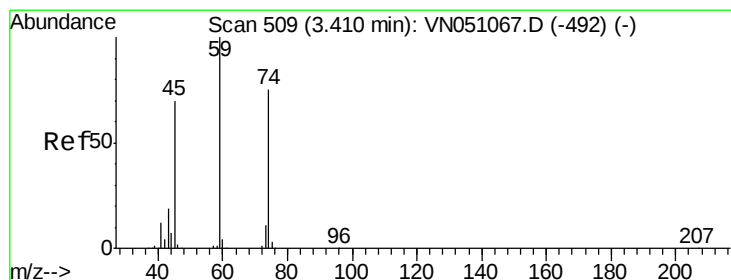
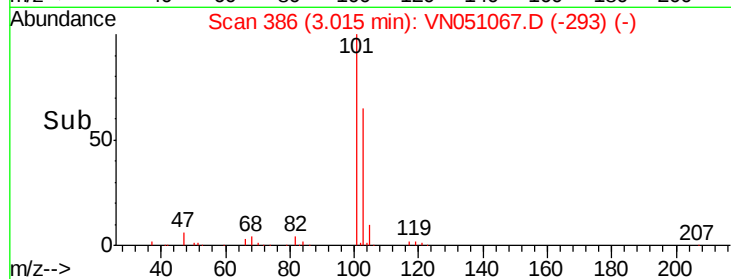
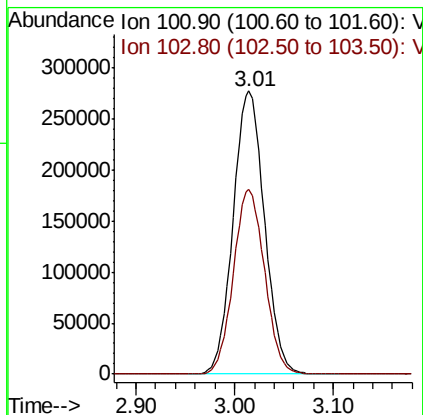
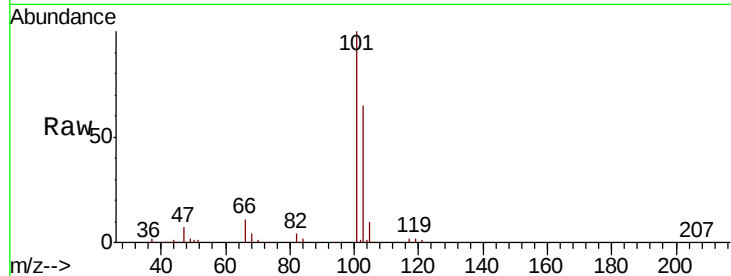


#7

Trichlorofluoromethane
 Concen: 47.456 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

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 VSTDICCC050

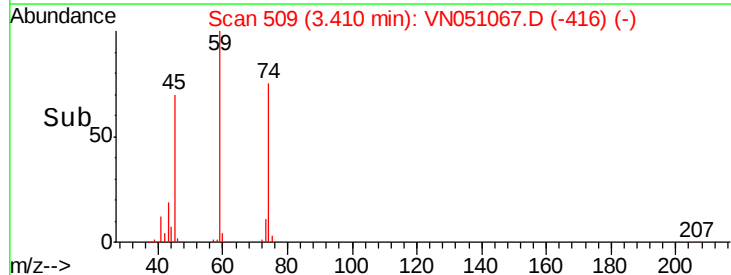
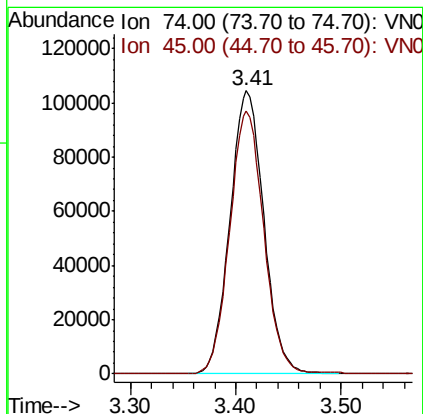
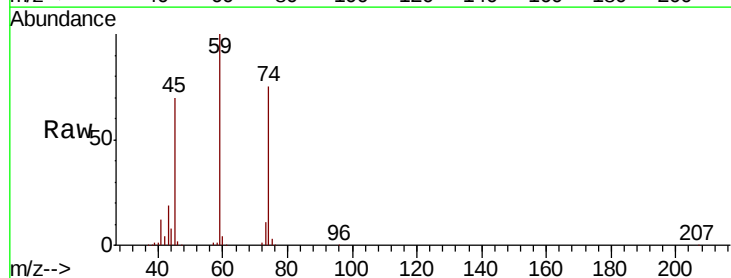
Tgt Ion:101 Resp: 611276
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.4 78.6

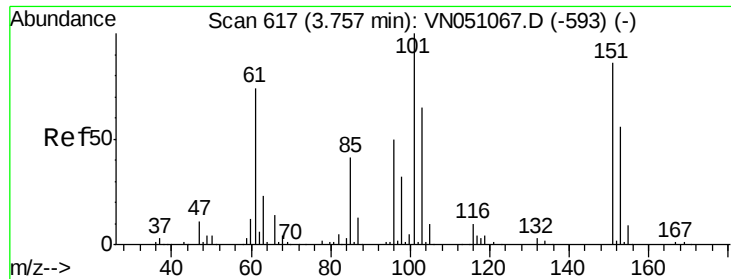


#8

Diethyl Ether
 Concen: 49.102 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion: 74 Resp: 232614
 Ion Ratio Lower Upper
 74 100
 45 93.3 46.7 140.0

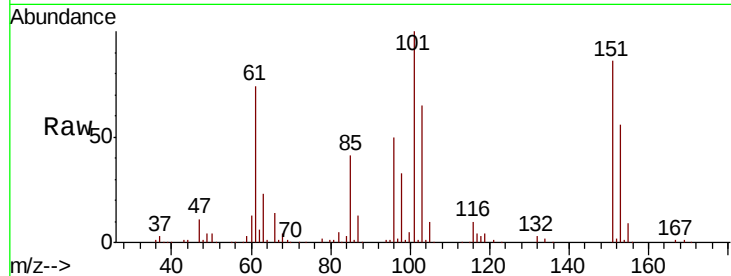




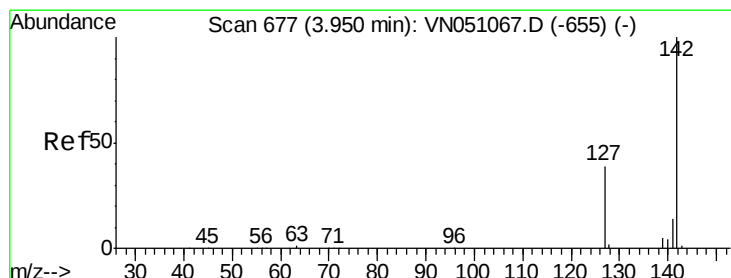
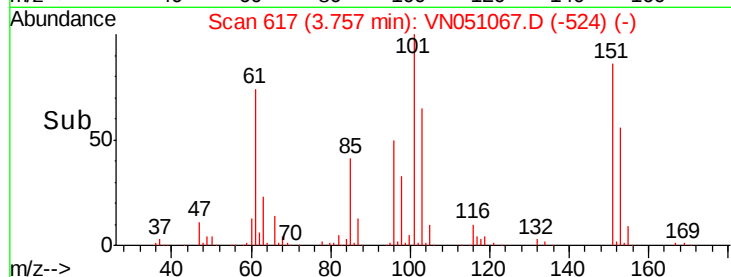
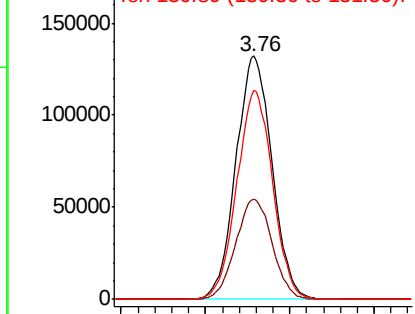
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.310 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
85	41.6	33.3	49.9
151	85.2	68.2	102.2

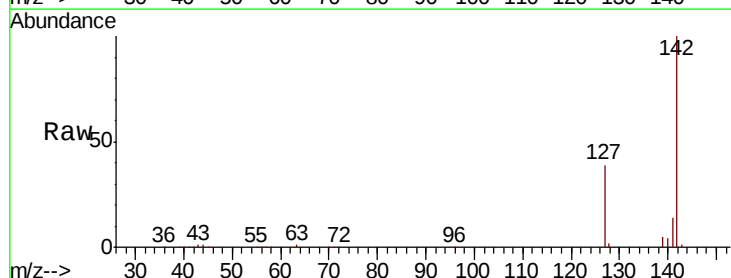


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

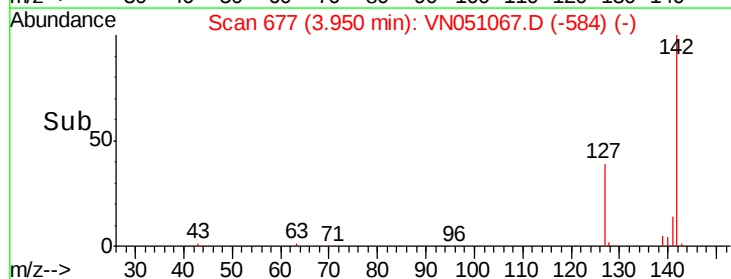
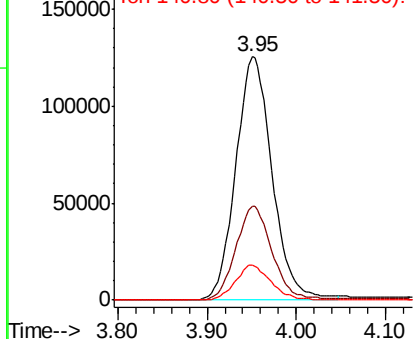


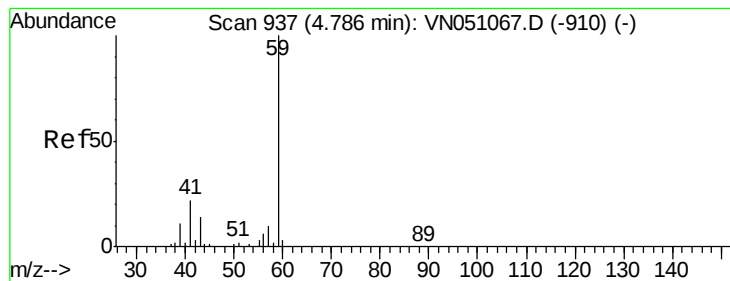
#10
 Methyl Iodide
 Concen: 50.131 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.7	31.0	46.4
141	14.1	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



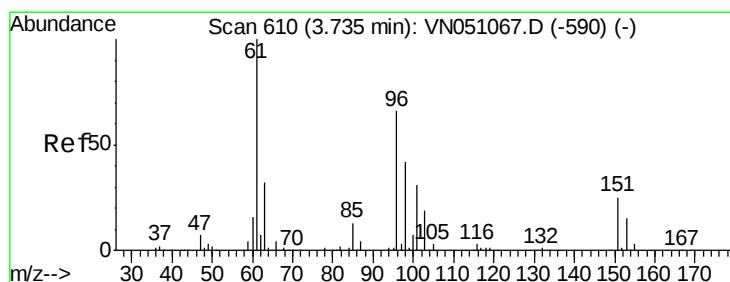
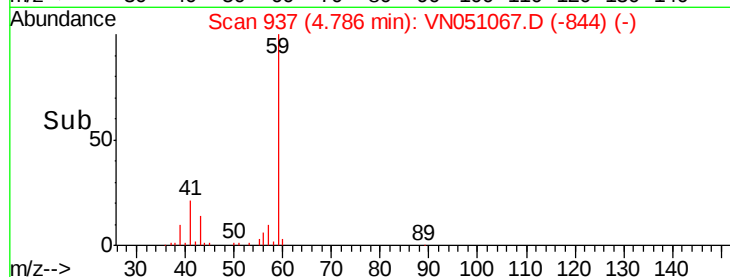
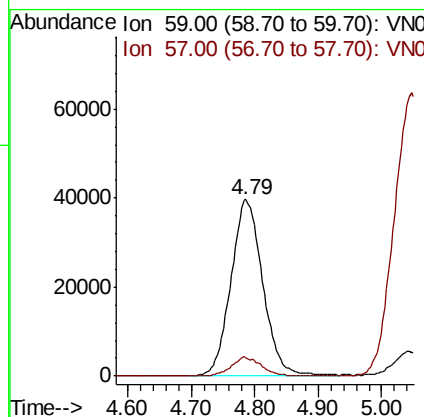
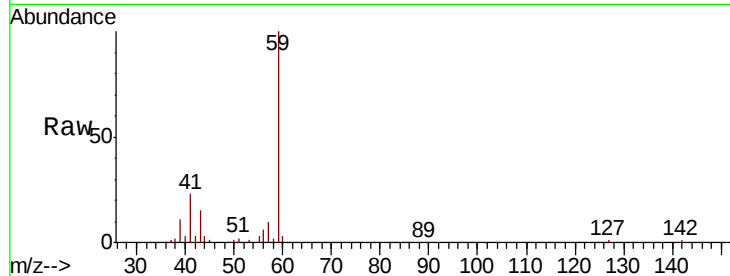


#11

Tert butyl alcohol
 Concen: 222.471 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

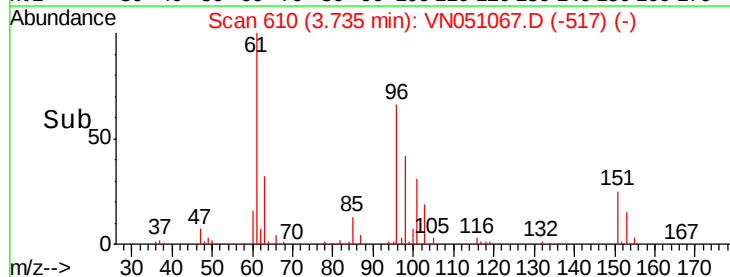
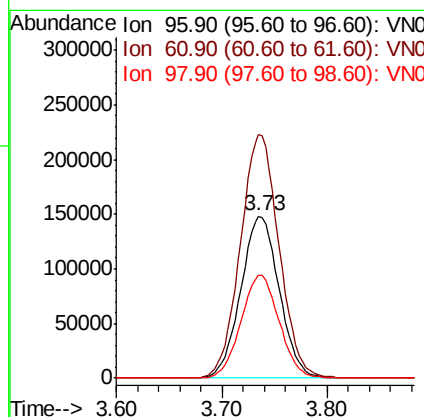
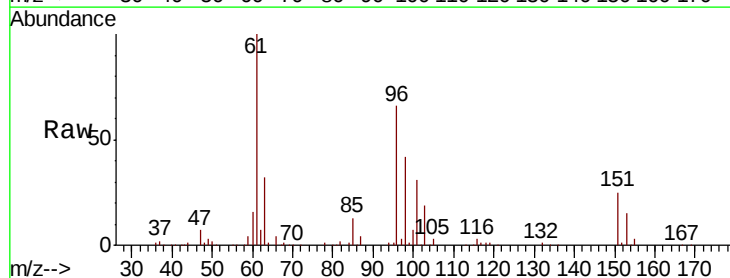
Tgt Ion: 59 Resp: 138871
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.1 12.1

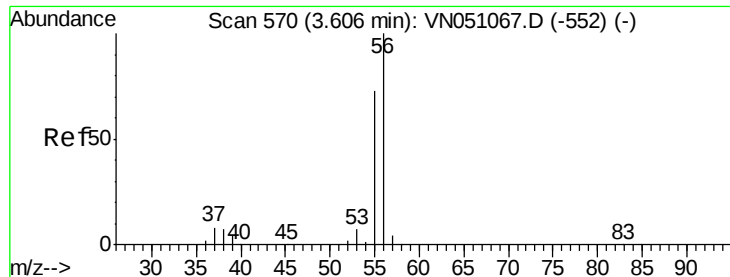


#12

1,1-Dichloroethene
 Concen: 47.891 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion: 96 Resp: 375149
 Ion Ratio Lower Upper
 96 100
 61 150.4 120.3 180.5
 98 63.5 50.8 76.2





#13

Acrolein

Concen: 246.883 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

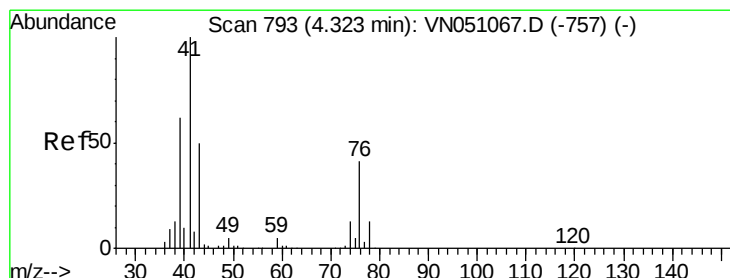
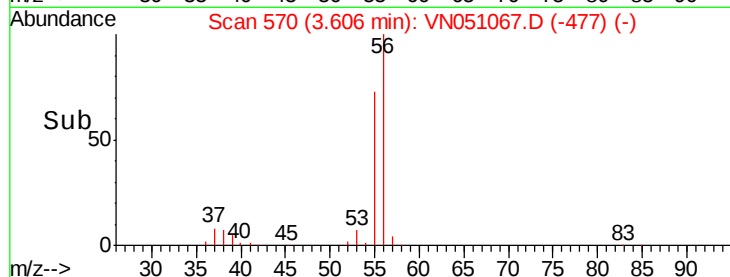
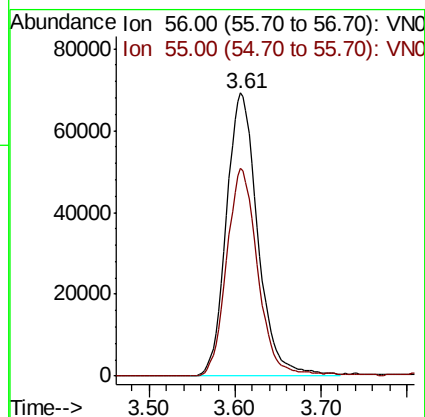
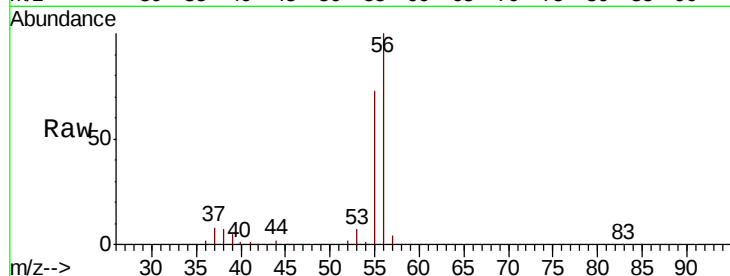
VSTDICCC050

Tgt Ion: 56 Resp: 175797

Ion Ratio Lower Upper

56 100

55 72.5 58.0 87.0



#14

Allyl chloride

Concen: 49.565 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

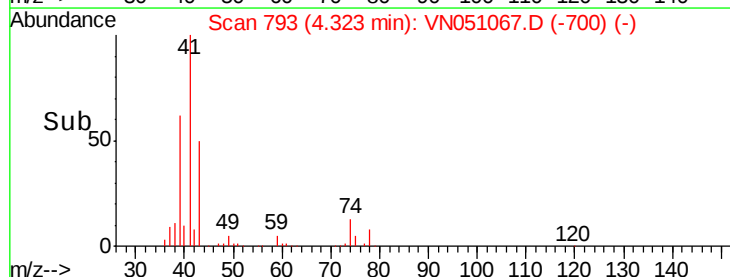
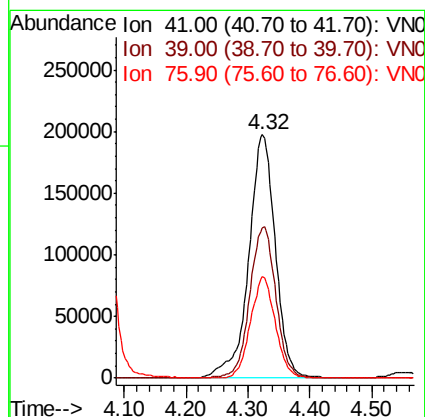
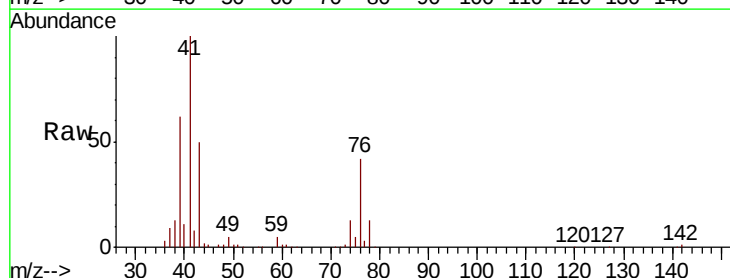
Tgt Ion: 41 Resp: 591551

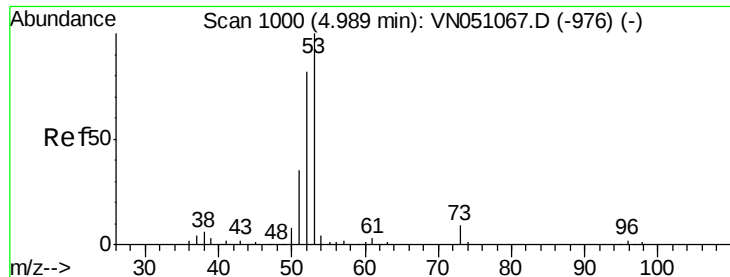
Ion Ratio Lower Upper

41 100

39 61.0 48.8 73.2

76 38.2 30.6 45.8

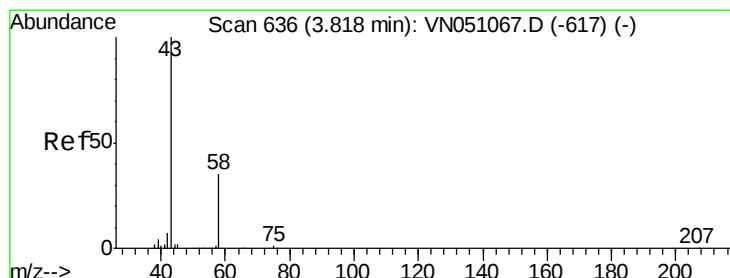
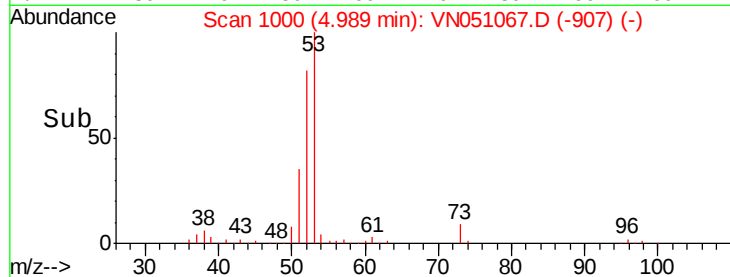
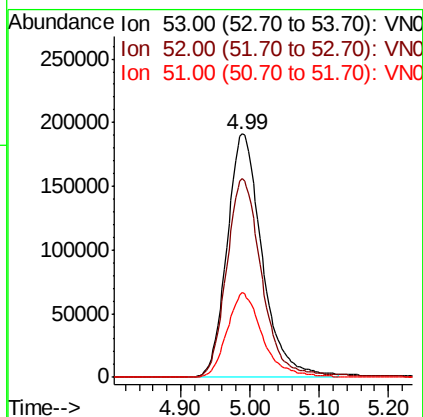
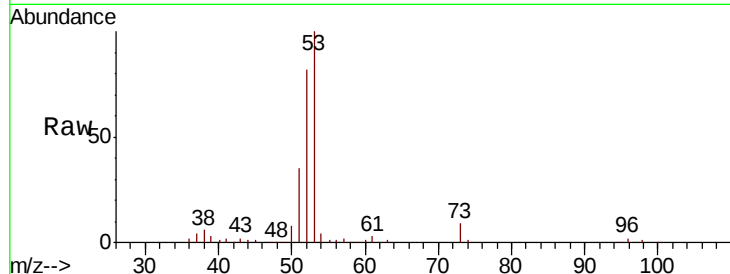




#15
 Acrylonitrile
 Concen: 244.430 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

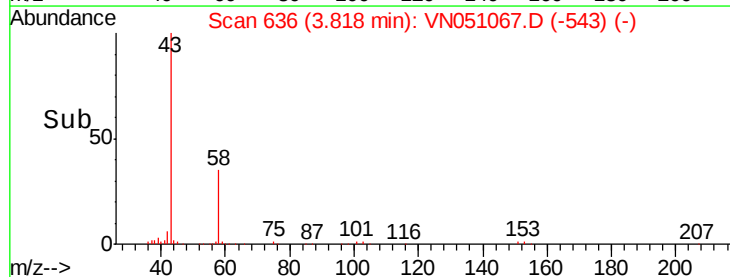
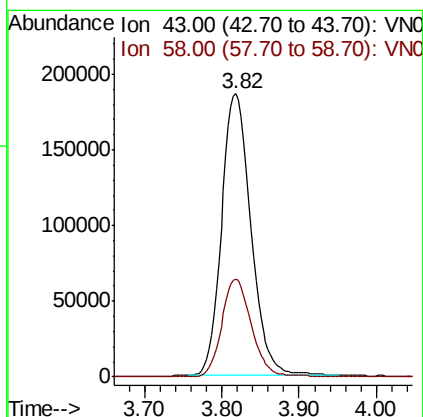
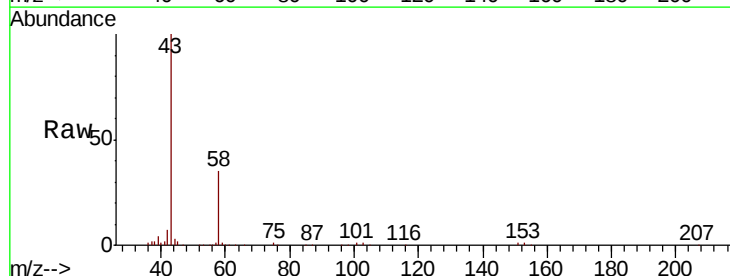
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

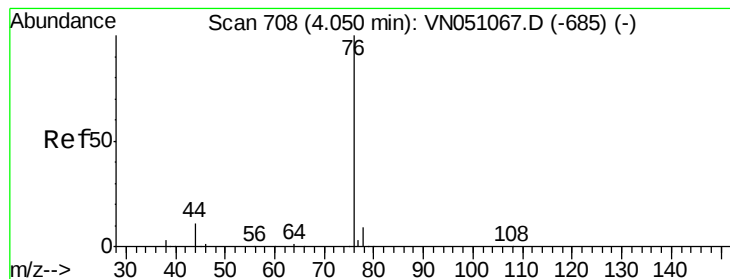
Tgt Ion: 53 Resp: 676087
 Ion Ratio Lower Upper
 53 100
 52 81.6 65.3 97.9
 51 35.2 28.2 42.2



#16
 Acetone
 Concen: 216.472 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion: 43 Resp: 491496
 Ion Ratio Lower Upper
 43 100
 58 34.7 27.8 41.6





#17

Carbon Disulfide

Concen: 43.974 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

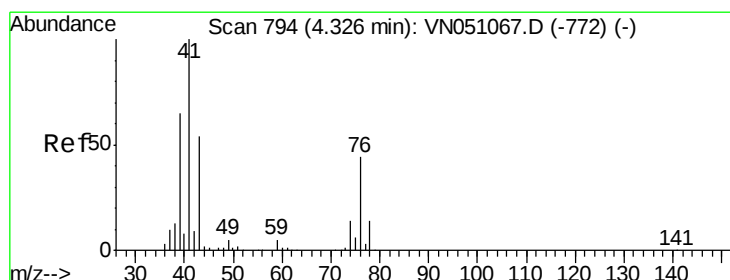
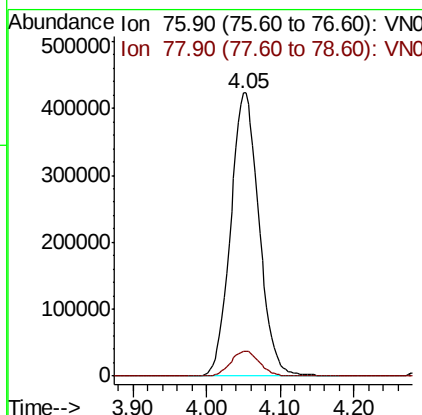
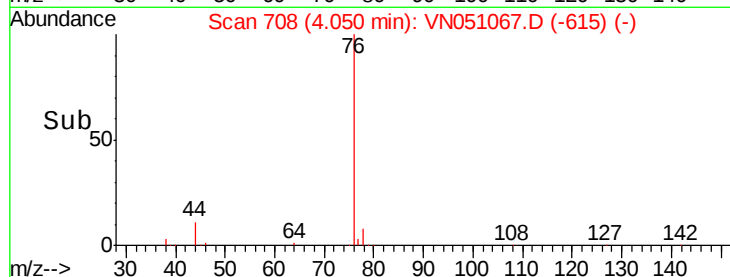
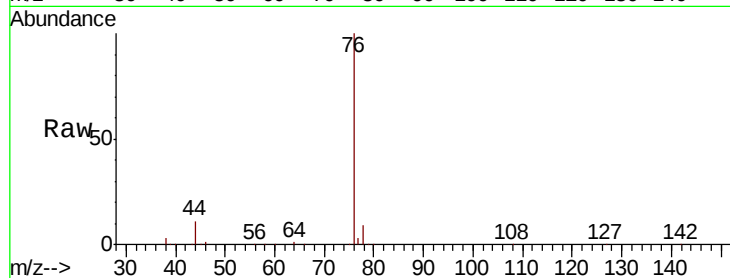
VSTDICCC050

Tgt Ion: 76 Resp: 1133412

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



#18

Methyl Acetate

Concen: 45.213 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051067.D

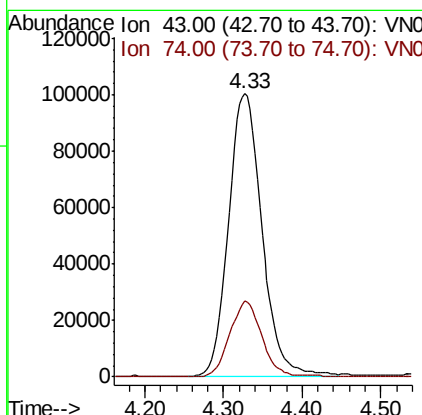
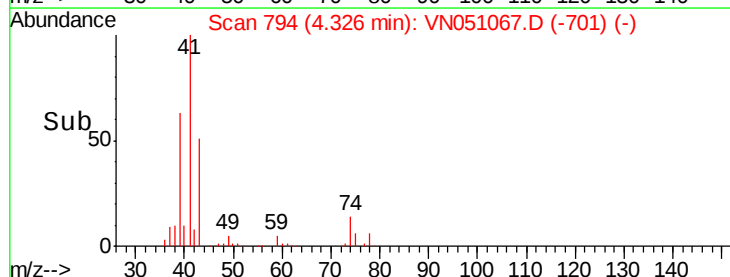
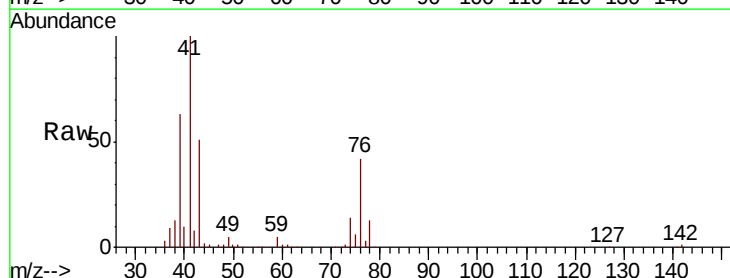
Acq: 10 Sep 2018 9:23

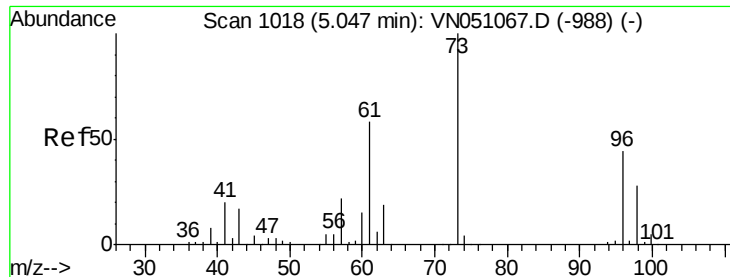
Tgt Ion: 43 Resp: 295896

Ion Ratio Lower Upper

43 100

74 25.9 20.7 31.1

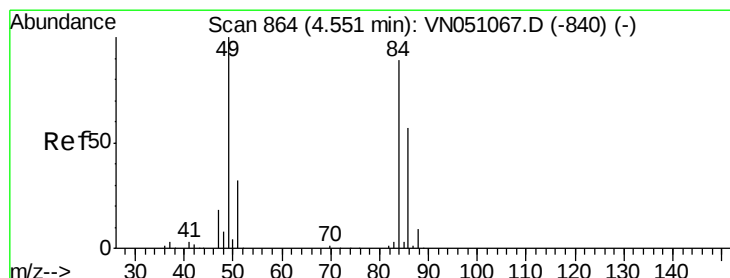
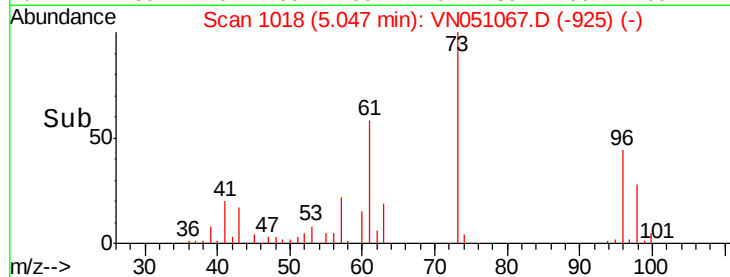
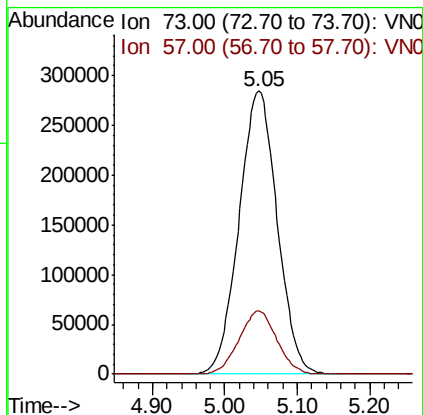
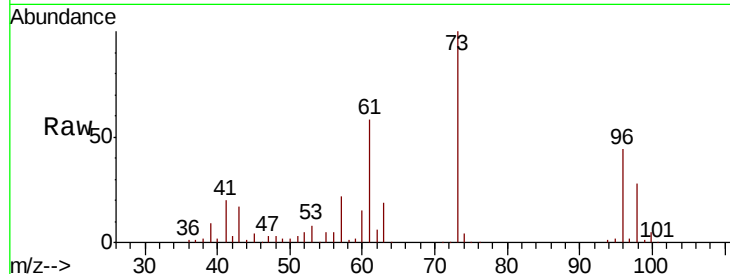




#19
Methyl tert-butyl Ether
Concen: 55.320 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

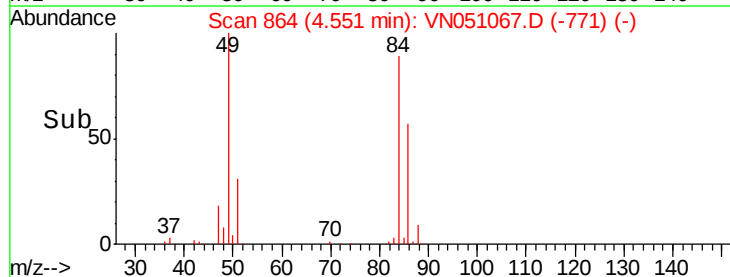
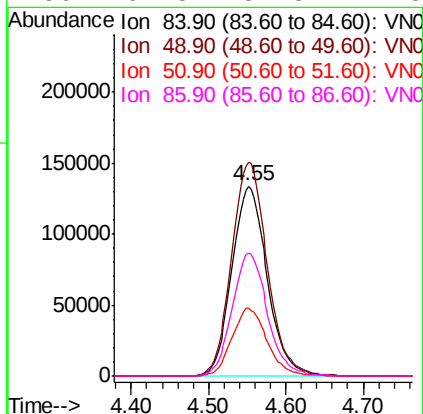
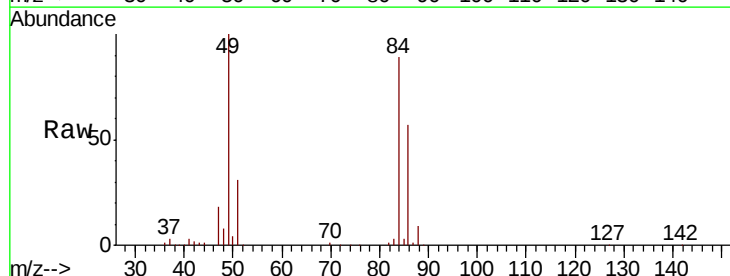
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

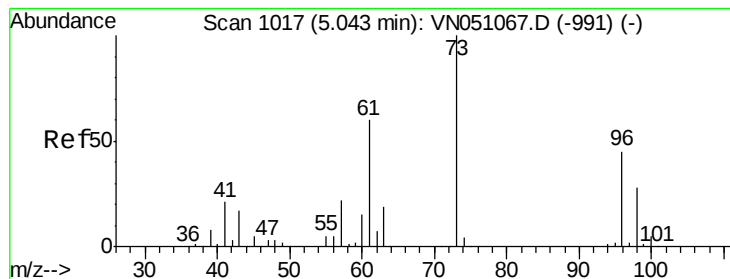
Tgt Ion: 73 Resp: 1040801
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9



#20
Methylene Chloride
Concen: 46.848 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion: 84 Resp: 422912
Ion Ratio Lower Upper
84 100
49 112.7 90.2 135.2
51 35.5 28.4 42.6
86 64.8 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 47.493 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

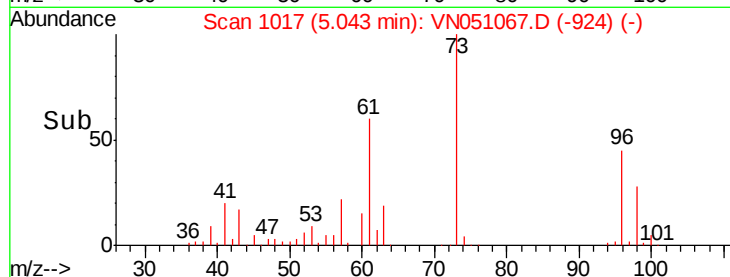
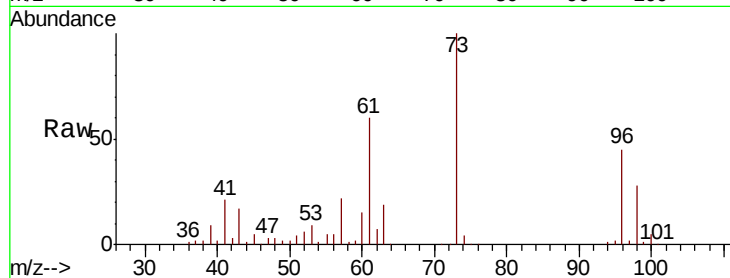
Tgt Ion: 96 Resp: 403526

Ion Ratio Lower Upper

96 100

61 133.1 106.5 159.7

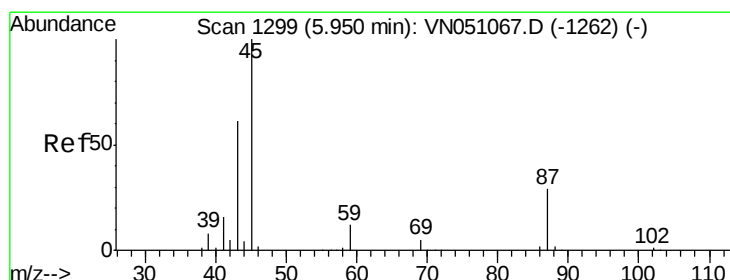
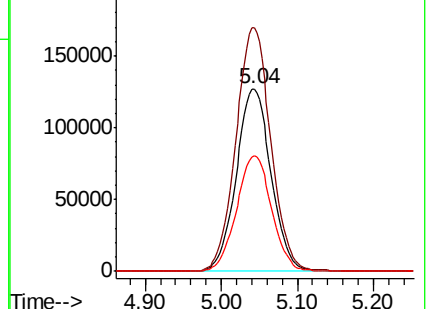
98 63.0 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 51.248 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Tgt Ion: 45 Resp: 1214076

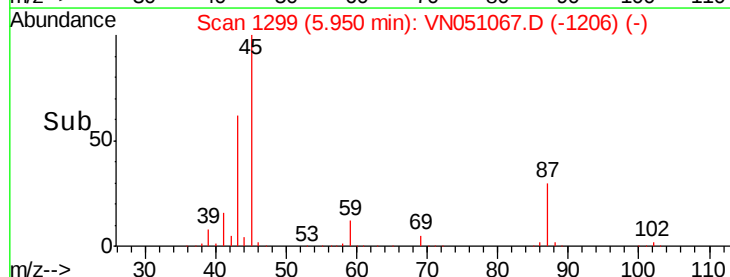
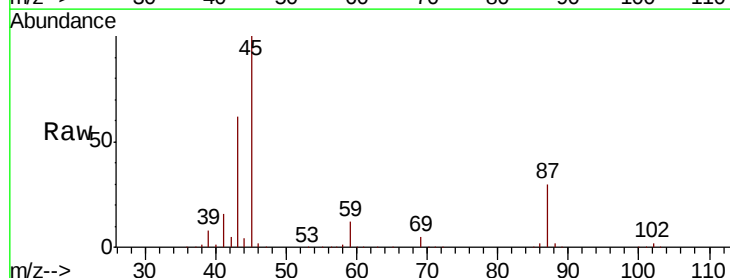
Ion Ratio Lower Upper

45 100

43 61.0 48.8 73.2

87 29.8 23.8 35.8

59 12.0 9.6 14.4

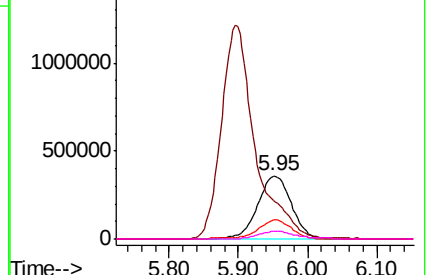


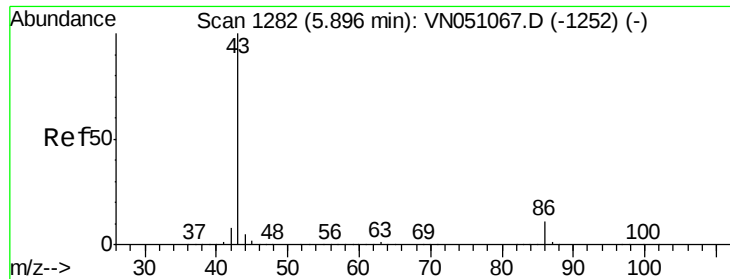
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

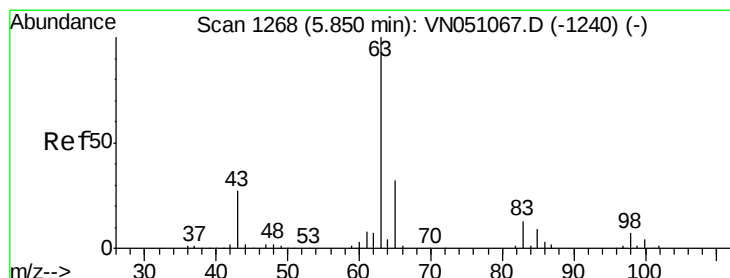
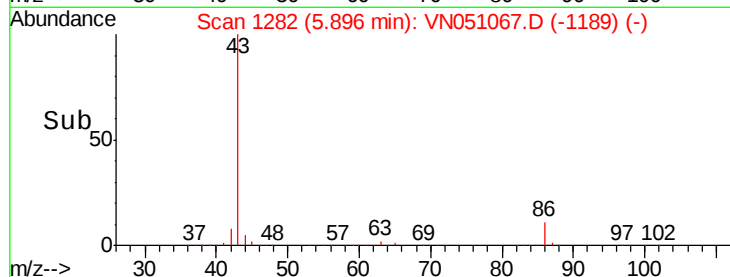
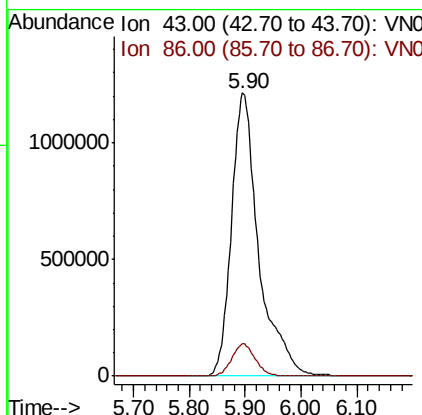
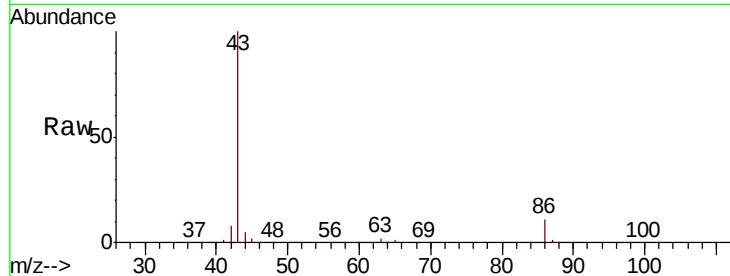




#23
 Vinyl Acetate
 Concen: 257.491 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

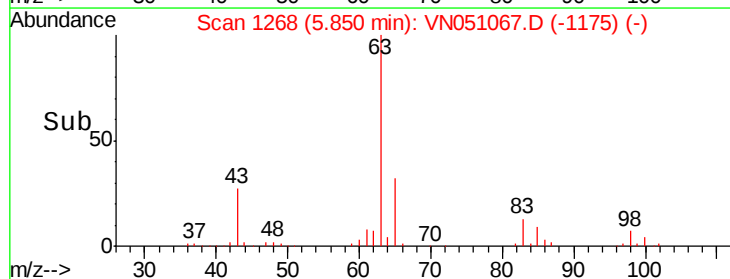
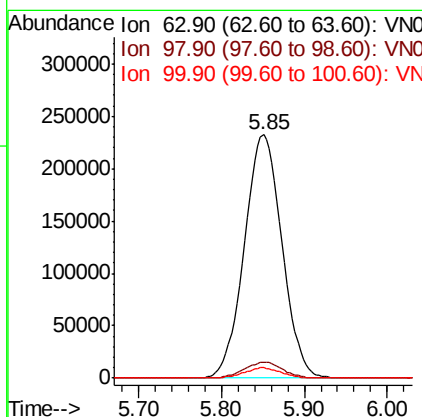
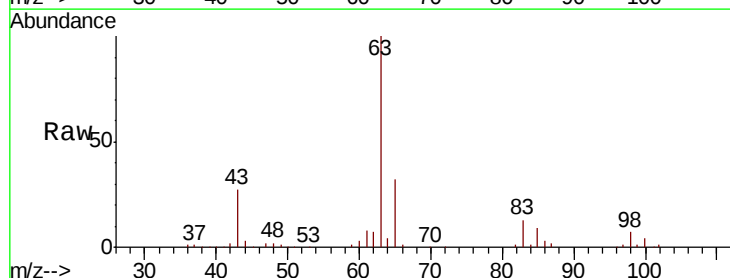
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

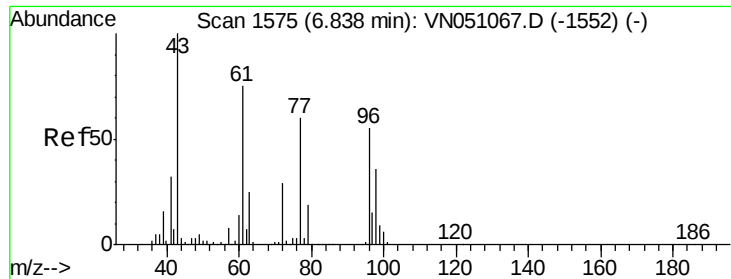
Tgt Ion: 43 Resp: 4128095
 Ion Ratio Lower Upper
 43 100
 86 11.5 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 48.745 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion: 63 Resp: 732643
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.1
 100 4.2 2.1 6.3

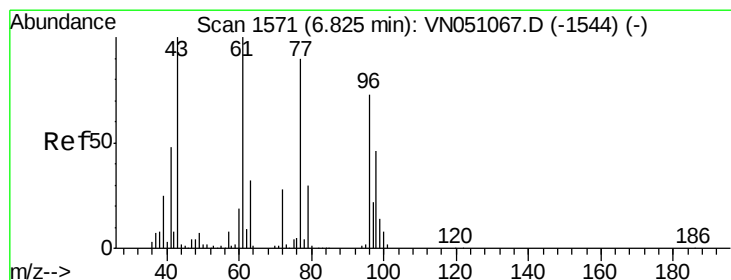
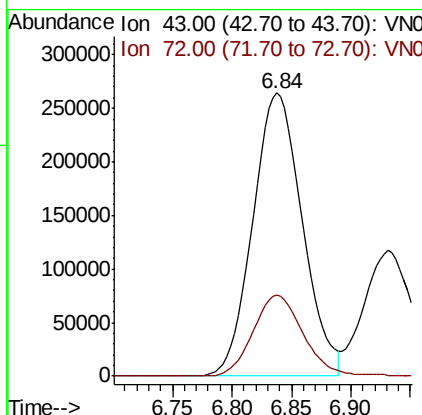
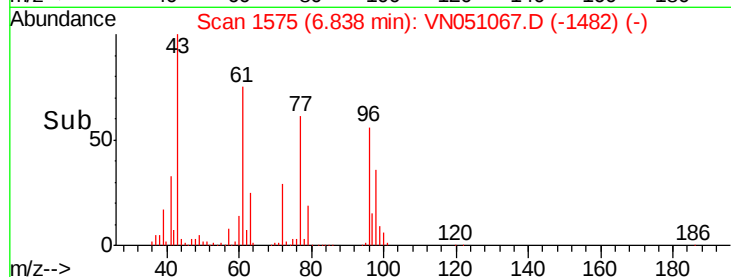
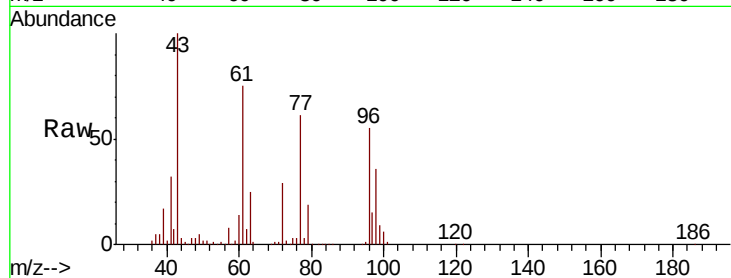




#25
 2-Butanone
 Concen: 236.364 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

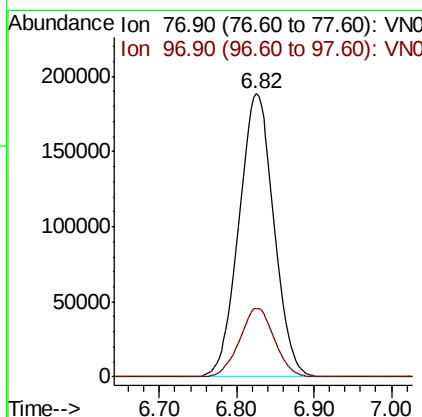
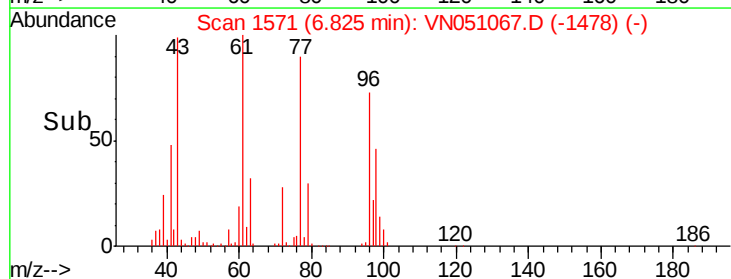
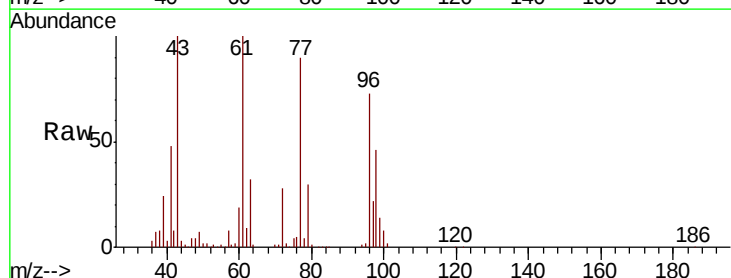
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

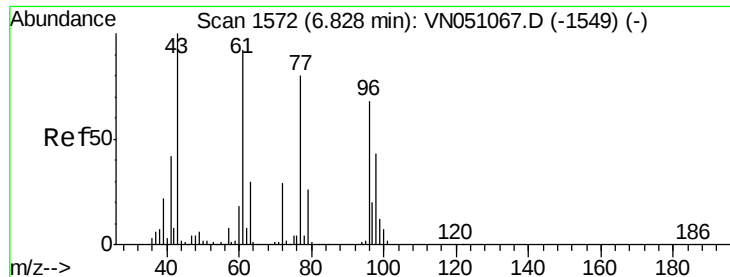
Tgt Ion: 43 Resp: 759462
 Ion Ratio Lower Upper
 43 100
 72 28.8 23.0 34.6



#26
 2,2-Dichloropropane
 Concen: 48.159 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion: 77 Resp: 592474
 Ion Ratio Lower Upper
 77 100
 97 24.2 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 48.683 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

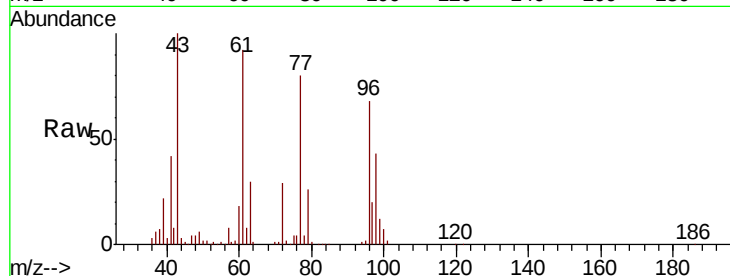
Tgt Ion: 96 Resp: 453776

Ion Ratio Lower Upper

96 100

61 139.1 0.0 278.2

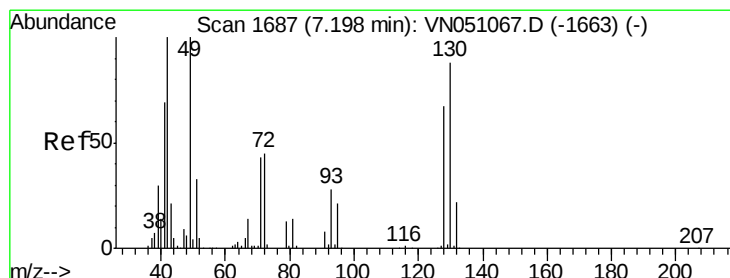
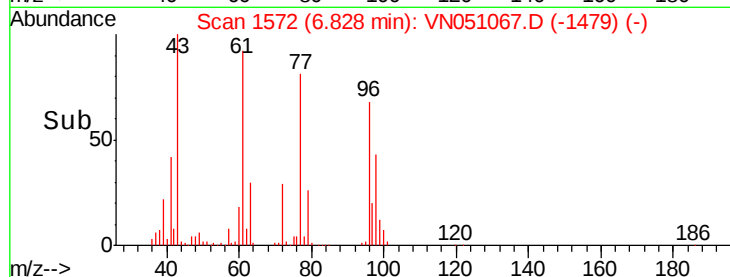
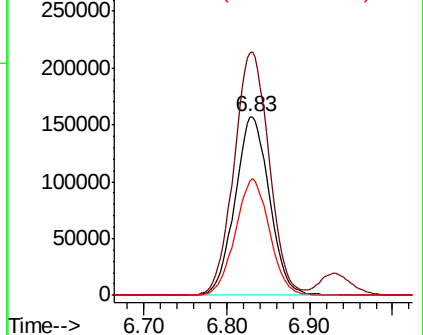
98 64.7 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN051067.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN051067.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN051067.D (-1549) (-)



#28

Bromochloromethane

Concen: 49.858 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

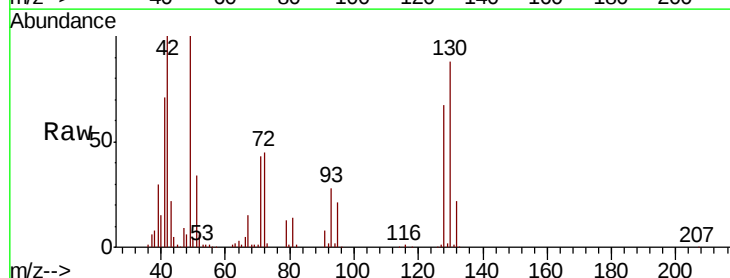
Tgt Ion: 49 Resp: 333552

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

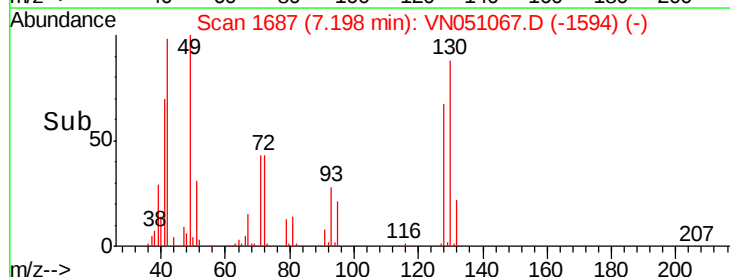
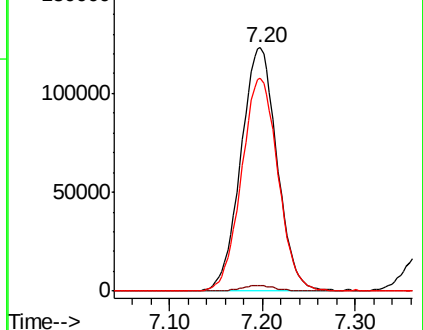
130 88.4 70.7 106.1

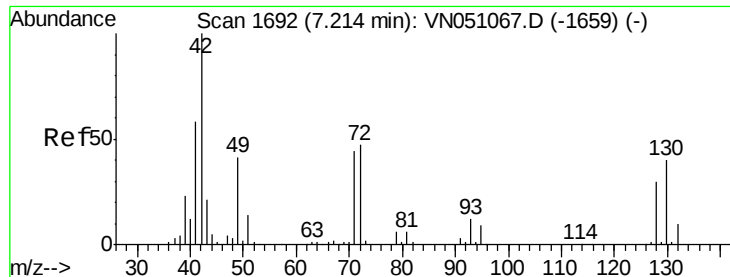


Abundance Ion 48.90 (48.60 to 49.60): VN051067.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN051067.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN051067.D (-1663) (-)





#29

Tetrahydrofuran

Concen: 246.682 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

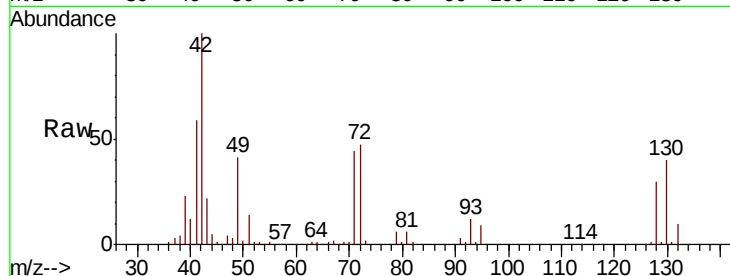
Tgt Ion: 42 Resp: 494969

Ion Ratio Lower Upper

42 100

72 46.7 37.4 56.0

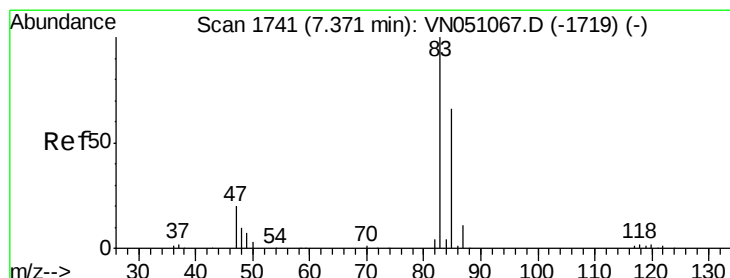
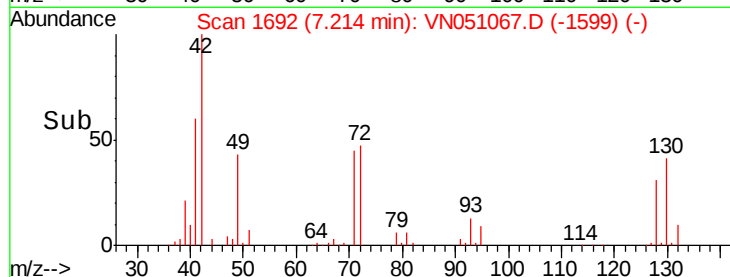
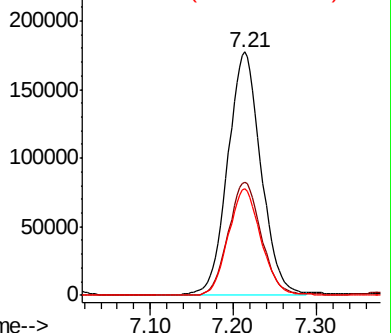
71 43.4 34.7 52.1



Abundance Ion 42.00 (41.70 to 42.70): VN051067.D (-1659) (-)

Ion 72.00 (71.70 to 72.70): VN051067.D (-1659) (-)

Ion 71.00 (70.70 to 71.70): VN051067.D (-1659) (-)



#30

Chloroform

Concen: 48.762 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN051067.D

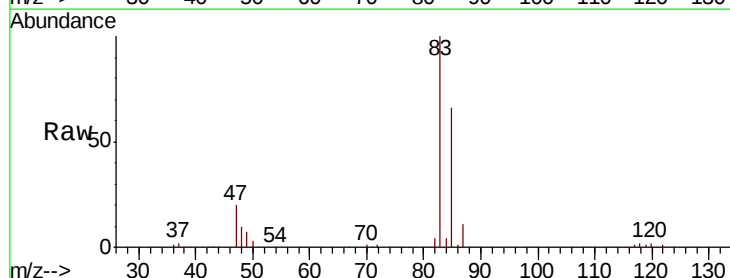
Acq: 10 Sep 2018 9:23

Tgt Ion: 83 Resp: 729123

Ion Ratio Lower Upper

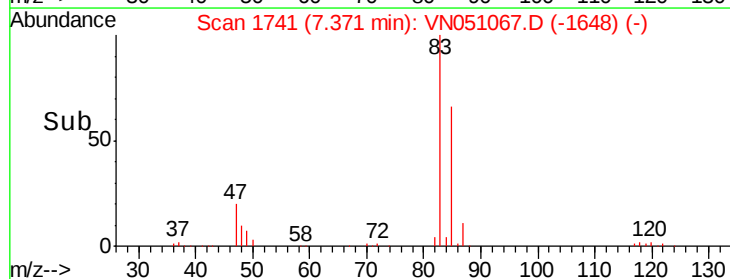
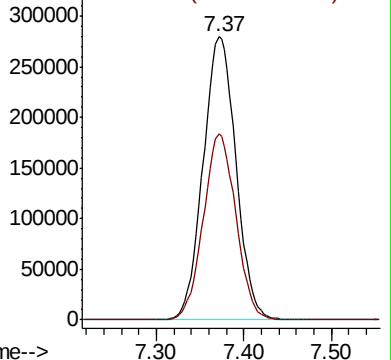
83 100

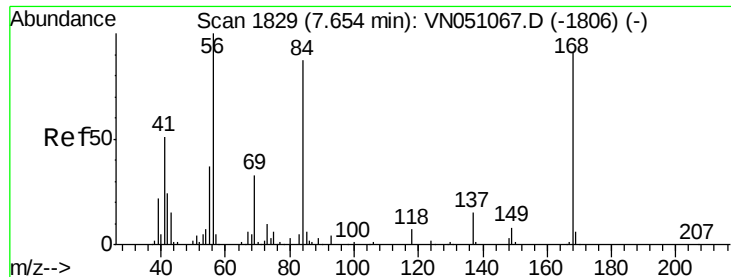
85 65.8 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN051067.D (-1719) (-)

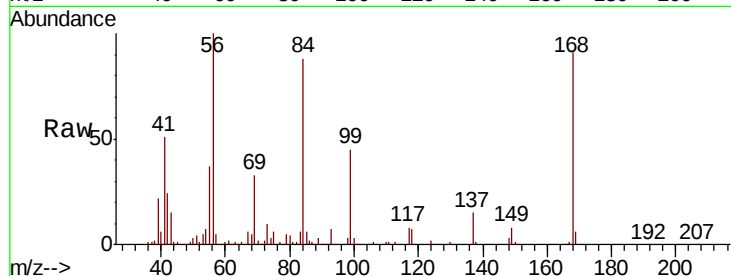




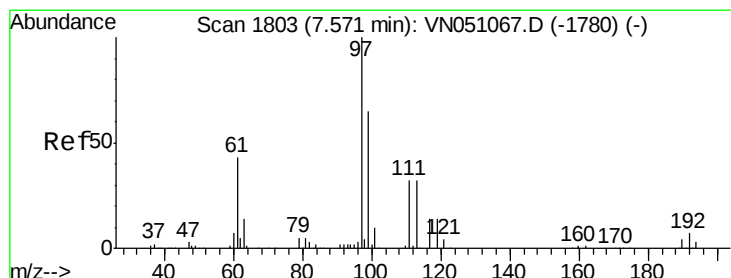
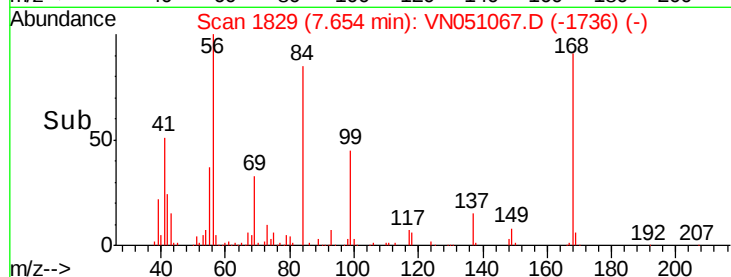
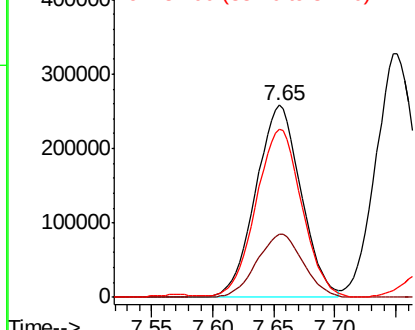
#31
Cyclohexane
Concen: 43.823 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 666158
Ion Ratio Lower Upper
56 100
69 32.9 26.3 39.5
84 86.7 69.4 104.0

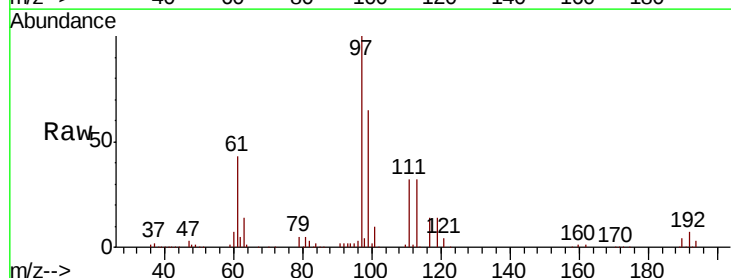


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

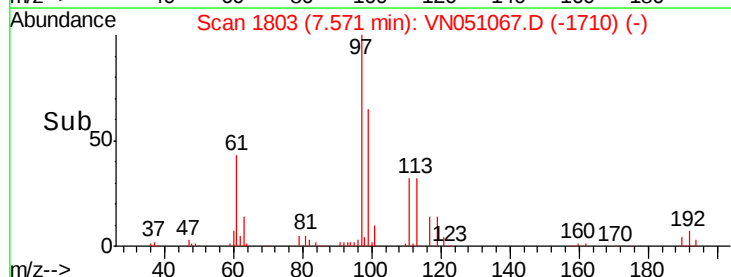
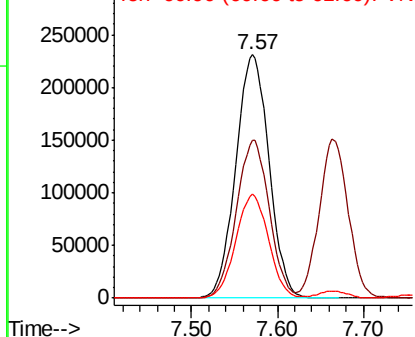


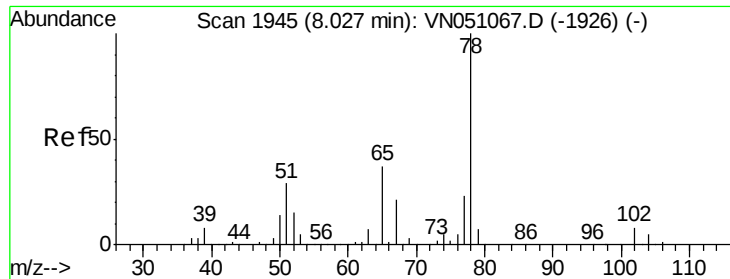
#32
1,1,1-Trichloroethane
Concen: 48.749 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion: 97 Resp: 621100
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 42.2 33.8 50.6



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

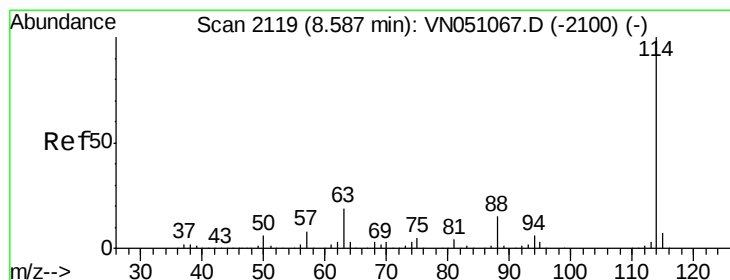
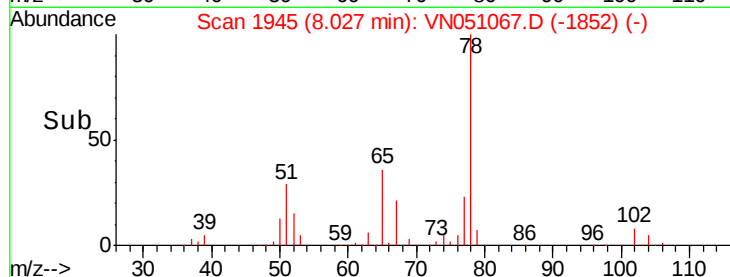
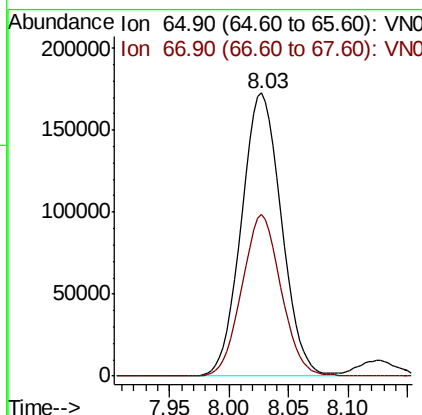
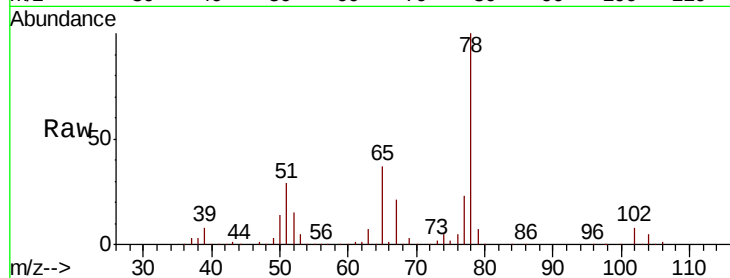




#33
 1,2-Dichloroethane-d4
 Concen: 49.381 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

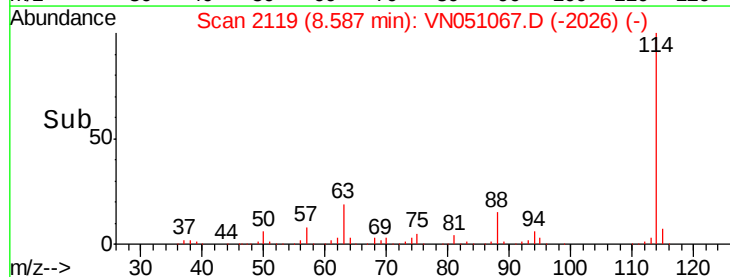
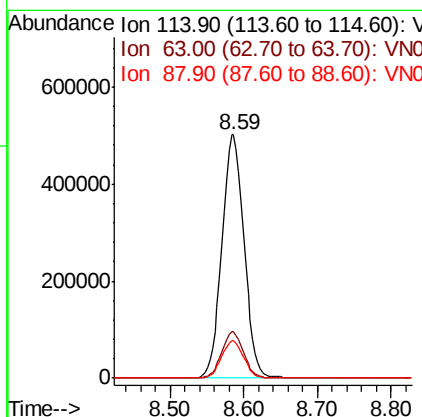
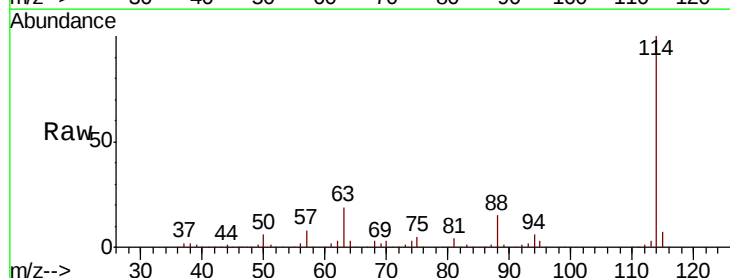
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

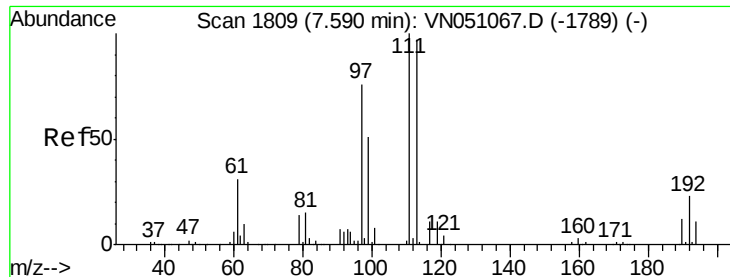
Tgt Ion: 65 Resp: 403558
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion: 114 Resp: 1046889
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.8
 88 15.4 0.0 30.8

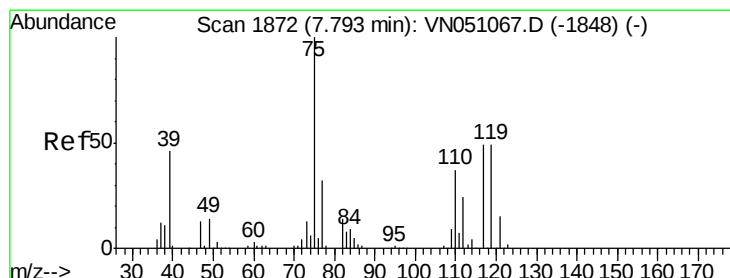
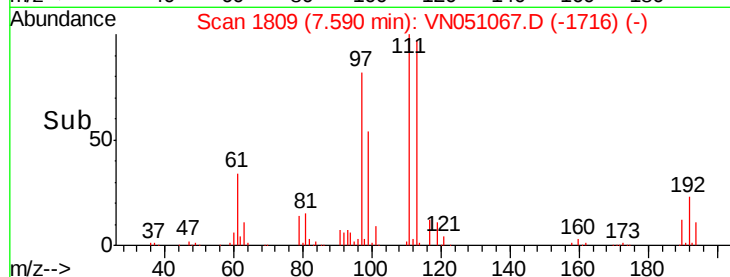
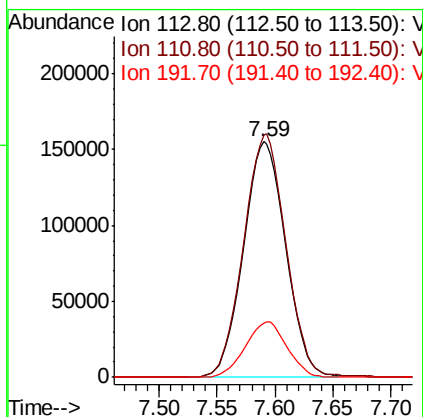
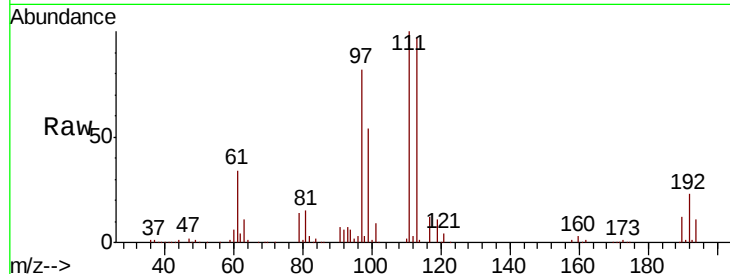




#35
 Dibromofluoromethane
 Concen: 49.916 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

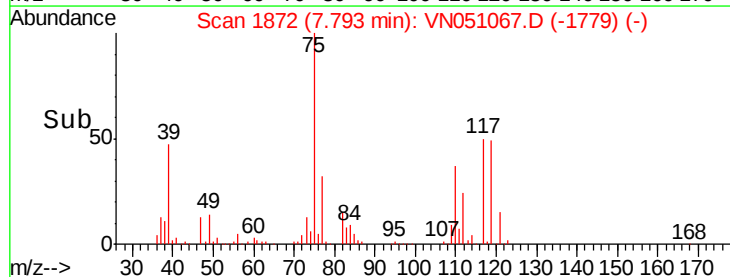
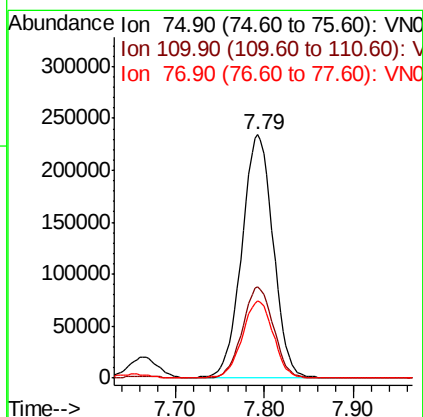
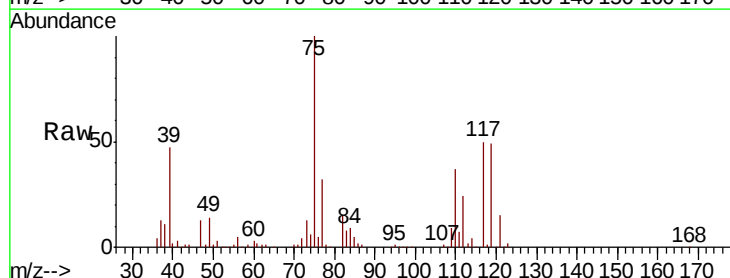
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

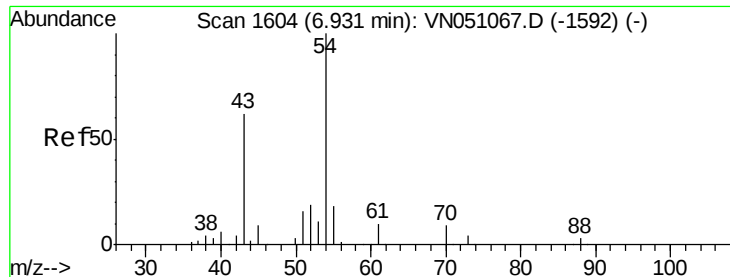
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.0	124.6
192	23.4	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 49.521 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	55.8
77	31.5	25.2	37.8

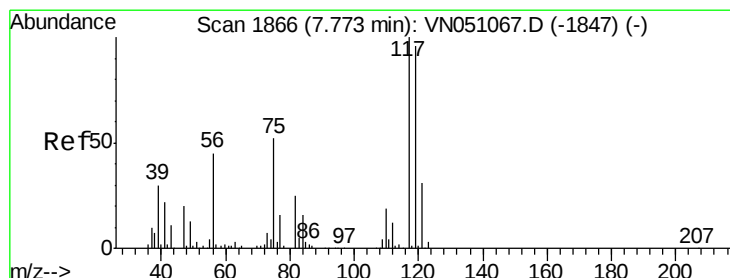
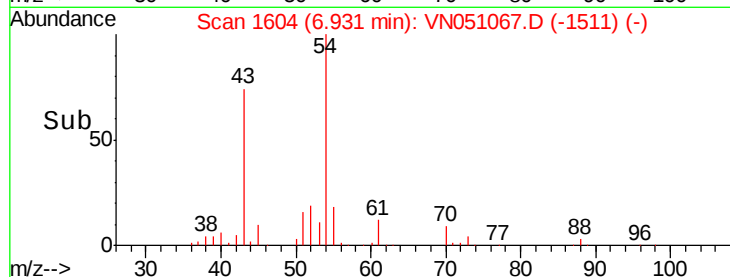
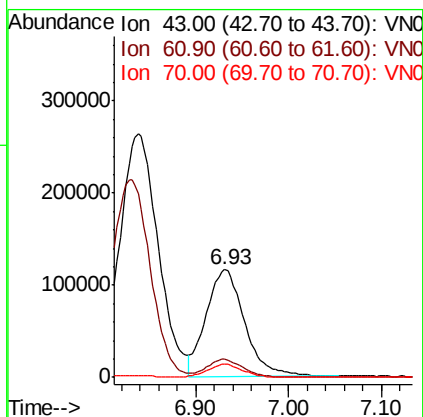
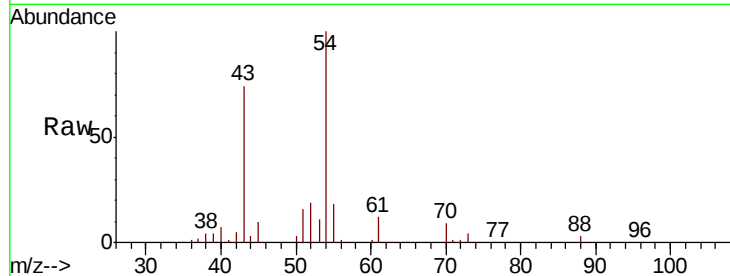




#37
 Ethyl Acetate
 Concen: 50.110 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

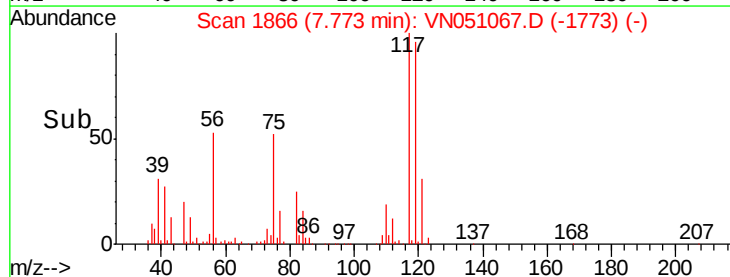
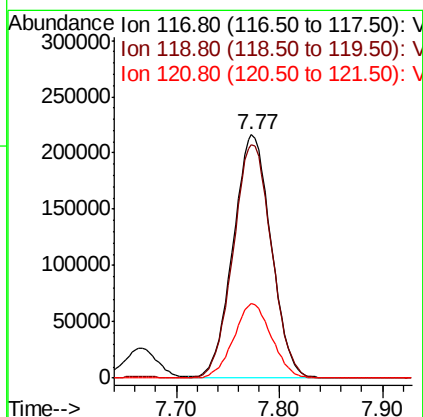
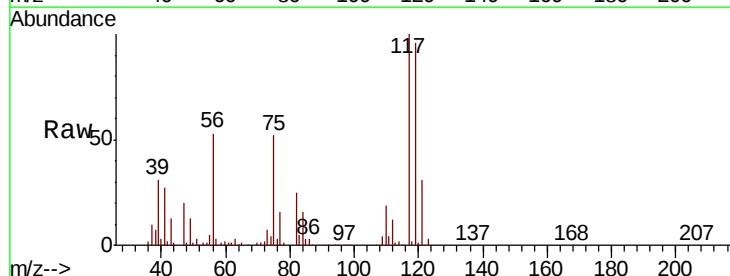
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

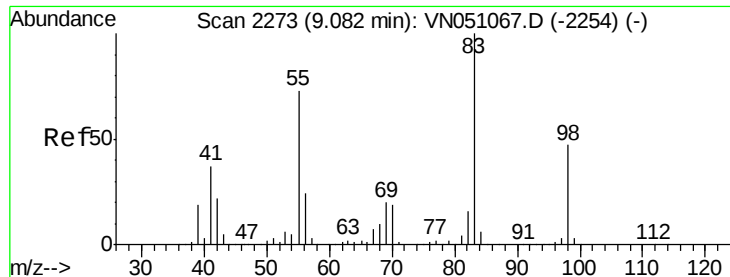
Tgt Ion: 43 Resp: 333568
 Ion Ratio Lower Upper
 43 100
 61 15.5 12.4 18.6
 70 11.6 9.3 13.9



#38
 Carbon Tetrachloride
 Concen: 48.930 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion: 117 Resp: 553517
 Ion Ratio Lower Upper
 117 100
 119 96.0 76.8 115.2
 121 30.7 24.6 36.8

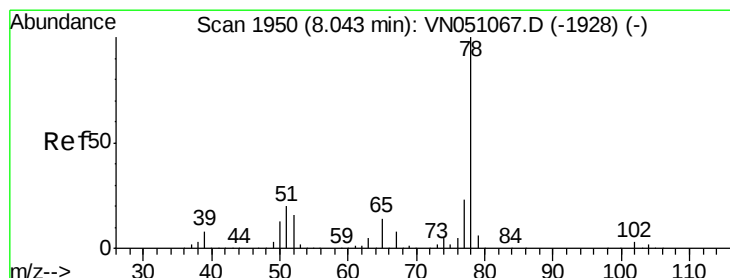
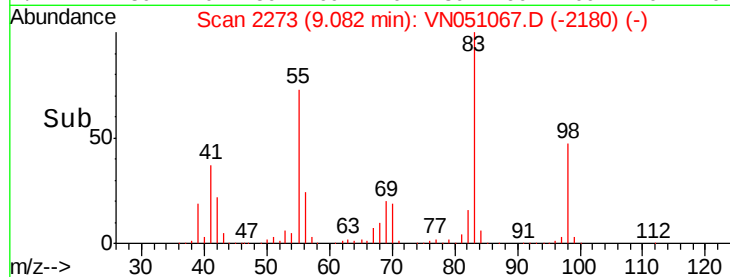
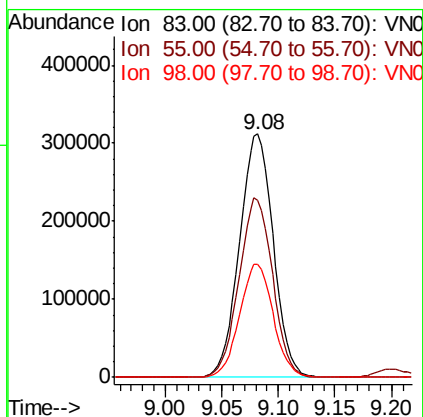
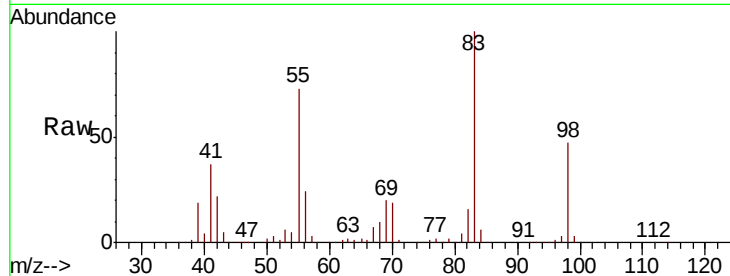




#39
Methylcyclohexane
Concen: 51.207 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

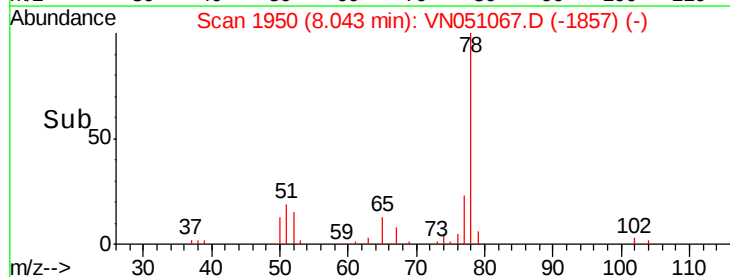
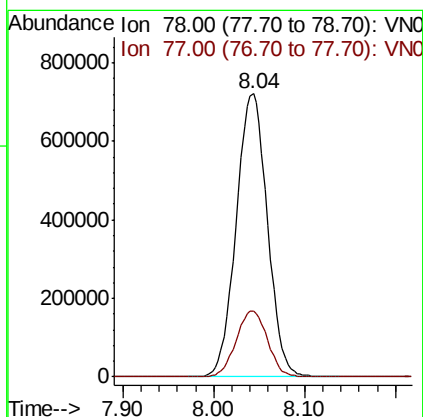
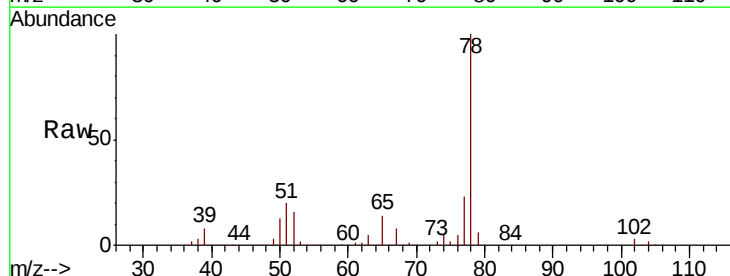
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

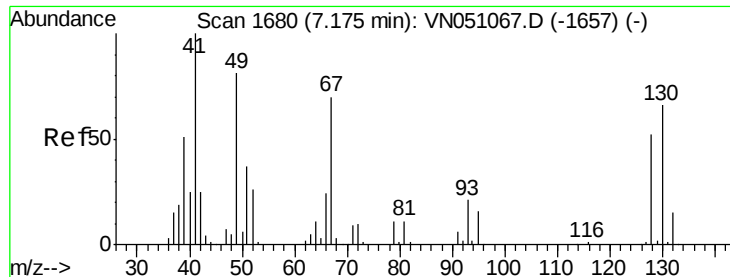
Tgt Ion: 83 Resp: 649385
Ion Ratio Lower Upper
83 100
55 73.0 58.4 87.6
98 46.6 37.3 55.9



#40
Benzene
Concen: 49.599 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion: 78 Resp: 1717864
Ion Ratio Lower Upper
78 100
77 23.2 18.6 27.8





#41

Methacrylonitrile

Concen: 47.556 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 163334

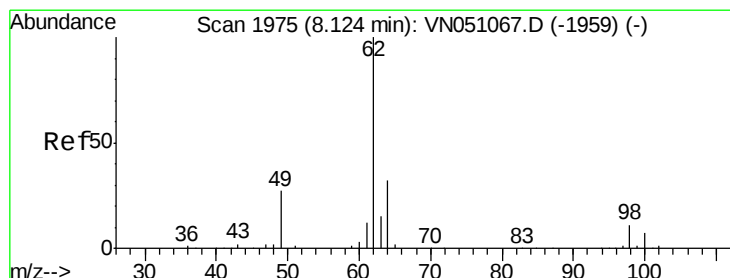
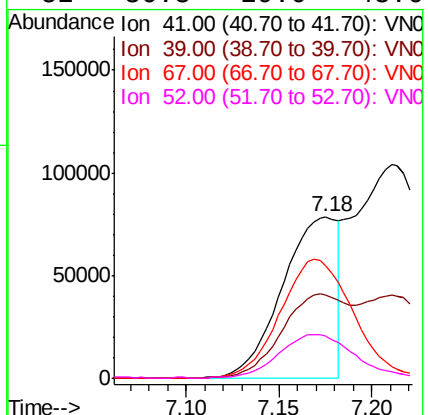
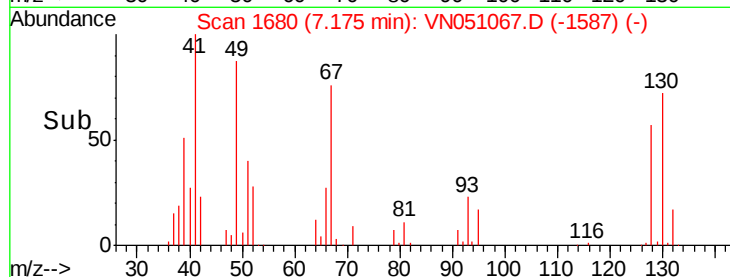
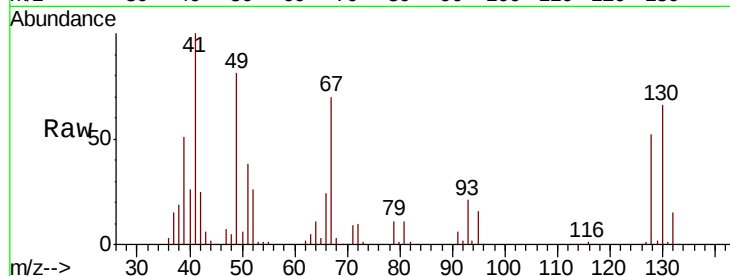
Ion Ratio Lower Upper

41 100

39 64.1 51.3 76.9

67 98.1 78.5 117.7

52 36.3 29.0 43.6



#42

1,2-Dichloroethane

Concen: 48.881 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN051067.D

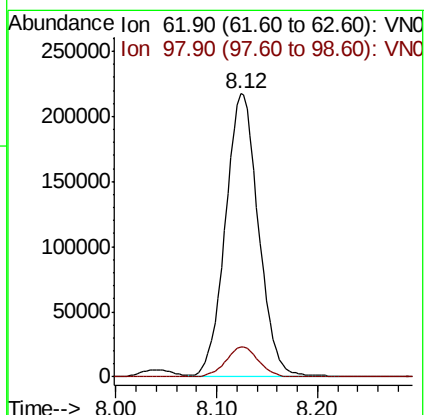
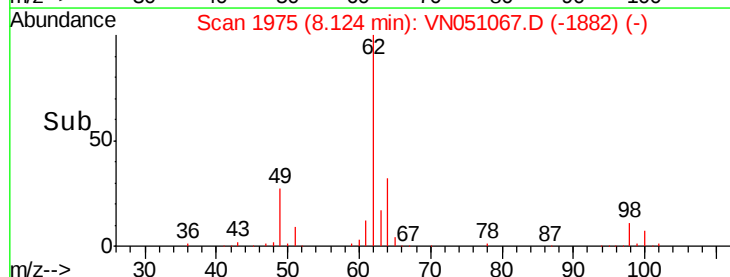
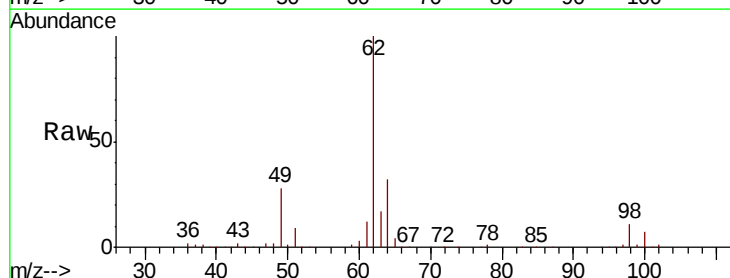
Acq: 10 Sep 2018 9:23

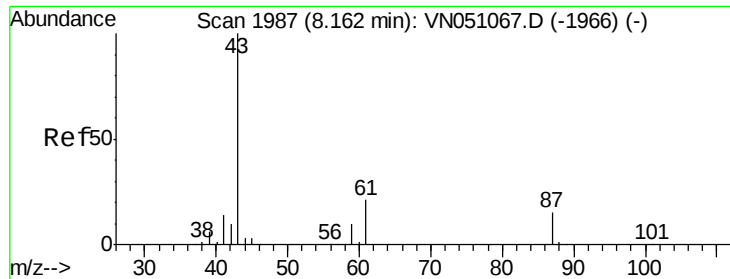
Tgt Ion: 62 Resp: 493471

Ion Ratio Lower Upper

62 100

98 10.5 0.0 21.0

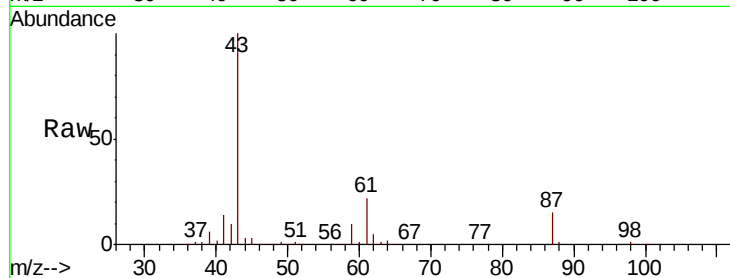




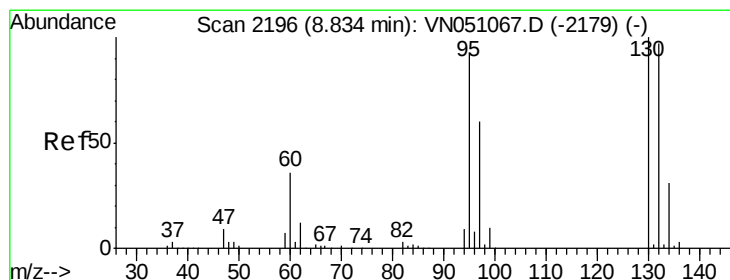
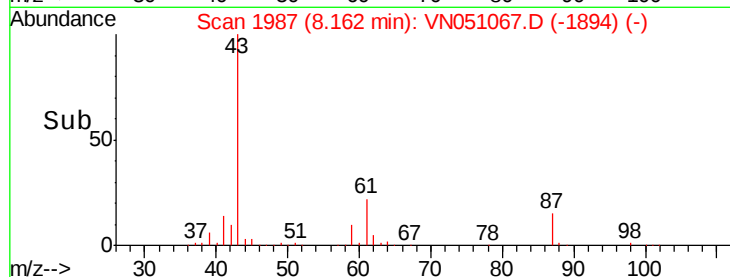
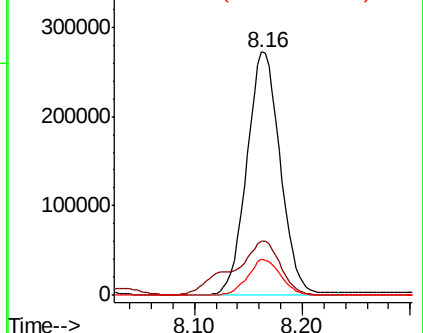
#43
Isopropyl Acetate
Concen: 49.929 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 586451
Ion Ratio Lower Upper
43 100
61 31.3 25.0 37.6
87 14.8 11.8 17.8

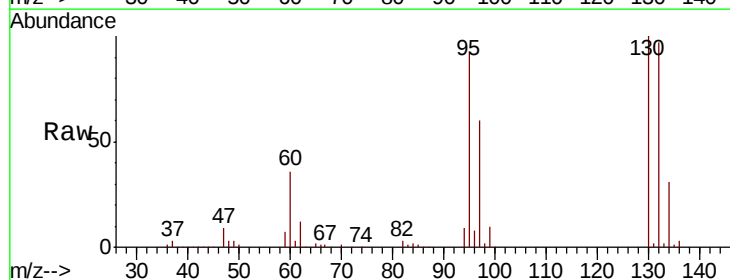


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

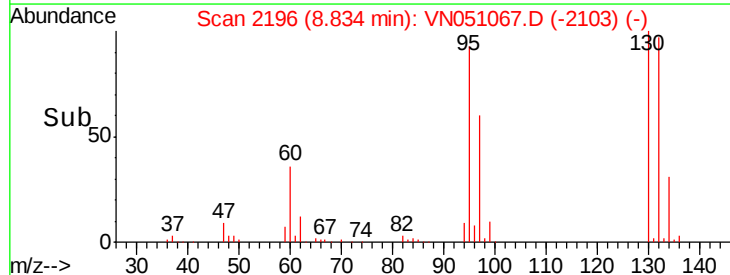
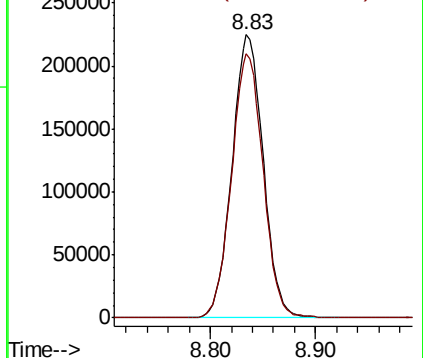


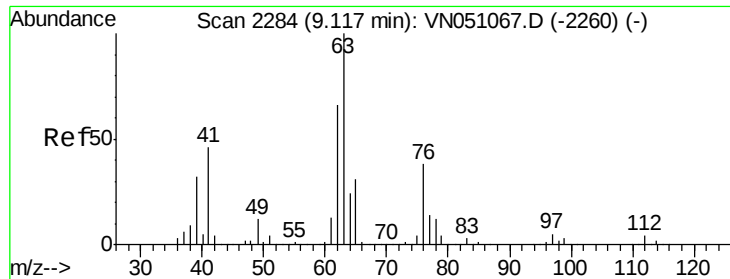
#44
Trichloroethene
Concen: 48.553 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion: 130 Resp: 459965
Ion Ratio Lower Upper
130 100
95 93.1 0.0 186.2



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

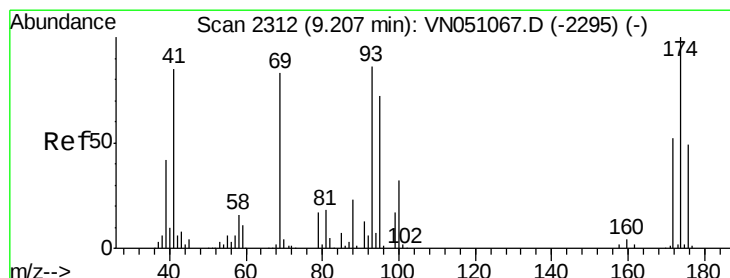
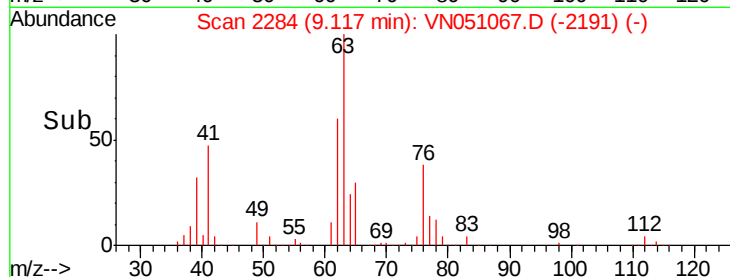
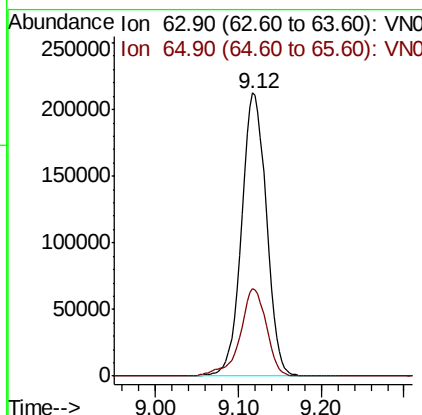
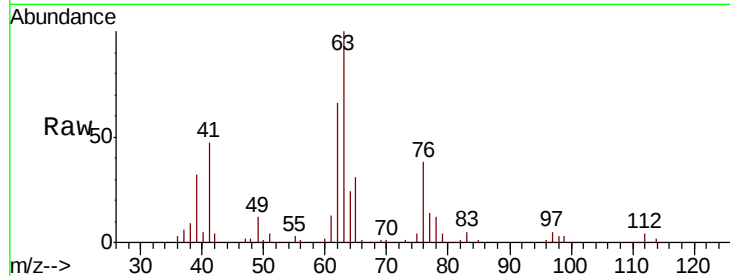




#45
 1,2-Dichloropropane
 Concen: 49.524 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

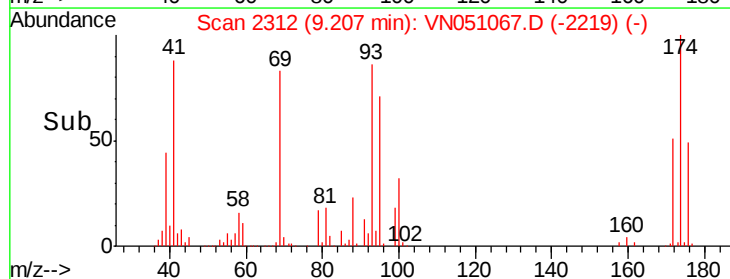
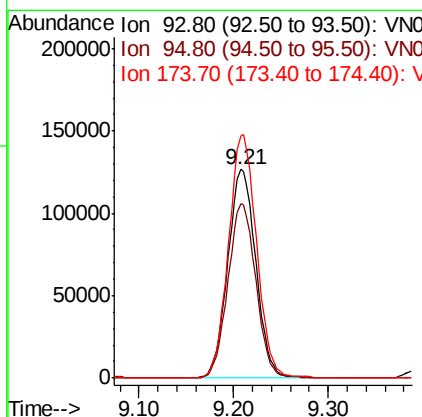
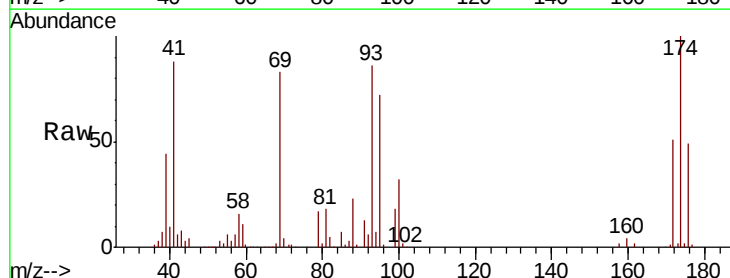
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 443219
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1



#46
 Dibromomethane
 Concen: 47.877 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion: 93 Resp: 261431
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.8 100.2
 174 116.6 93.3 139.9





#47

Bromodichloromethane

Concen: 49.995 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

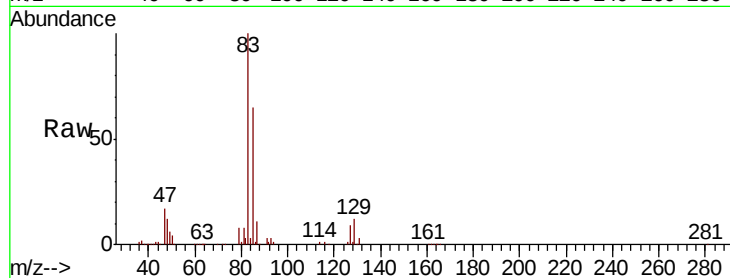
Tgt Ion: 83 Resp: 555079

Ion Ratio Lower Upper

83 100

85 65.4 52.3 78.5

127 9.4 7.5 11.3

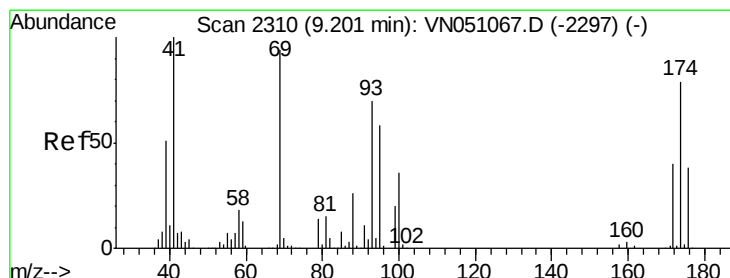
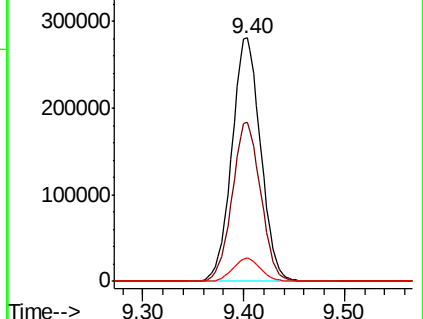
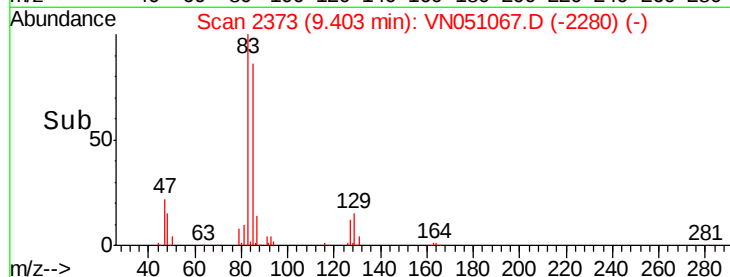


Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN051067.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN051067.D (-2355) (-)

Time-->



#48

Methyl methacrylate

Concen: 50.923 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

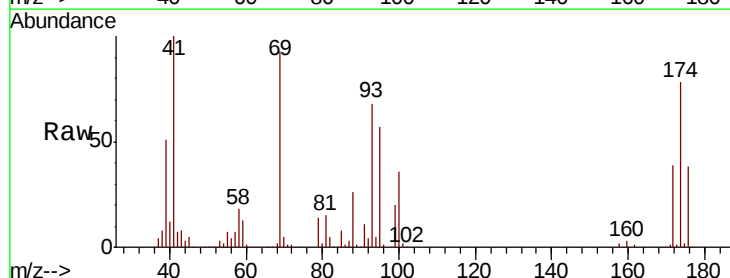
Tgt Ion: 41 Resp: 291485

Ion Ratio Lower Upper

41 100

69 97.1 77.7 116.5

39 52.0 41.6 62.4

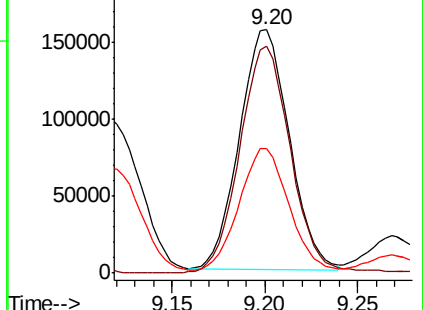
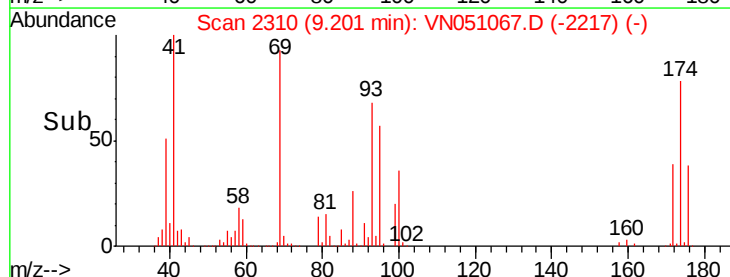


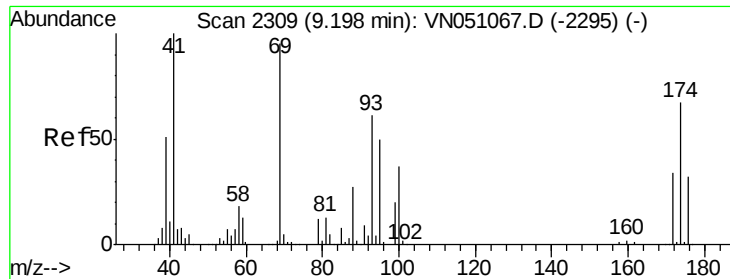
Abundance Ion 41.00 (40.70 to 41.70): VN051067.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN051067.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN051067.D (-2297) (-)

Time-->





#49

1,4-Dioxane

Concen: 971.116 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

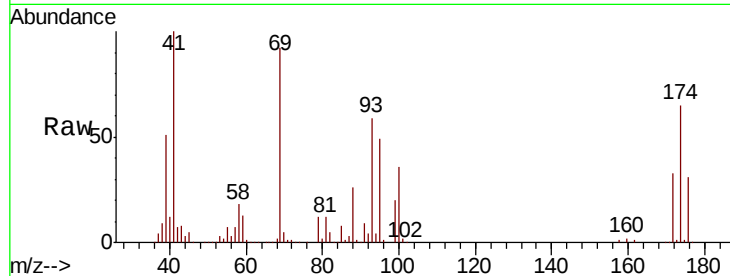
Tgt Ion: 88 Resp: 87167

Ion Ratio Lower Upper

88 100

43 29.6 23.7 35.5

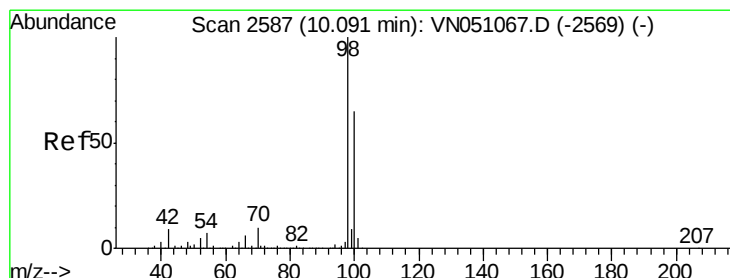
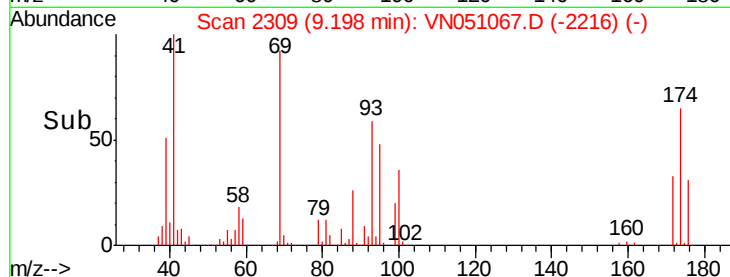
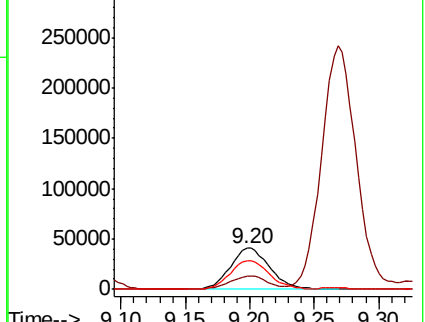
58 68.3 54.6 82.0



Abundance Ion 88.00 (87.70 to 88.70): VN051067.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN051067.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN051067.D (-2295) (-)



#50

Toluene-d8

Concen: 50.437 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051067.D

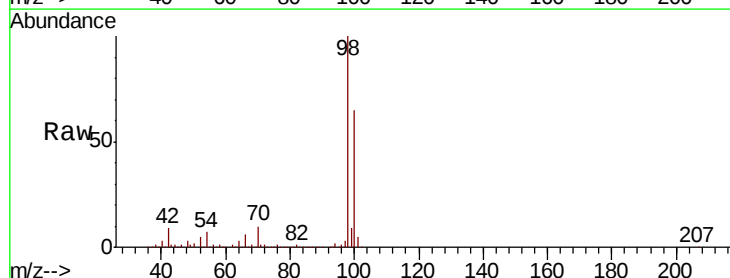
Acq: 10 Sep 2018 9:23

Tgt Ion: 98 Resp: 1505588

Ion Ratio Lower Upper

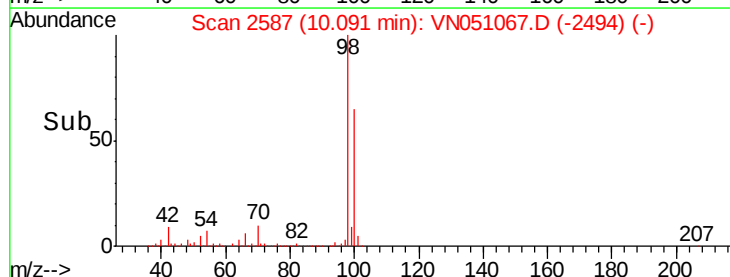
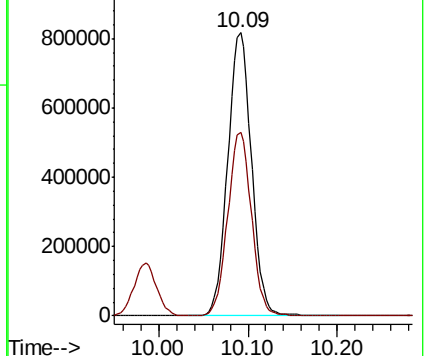
98 100

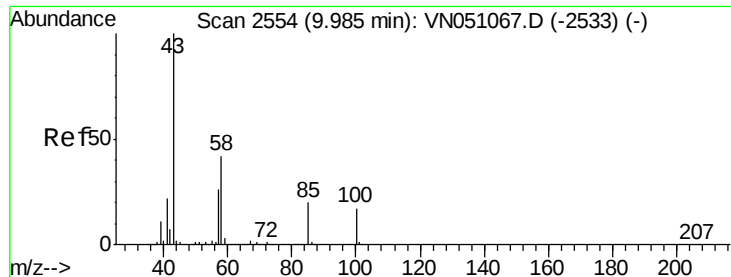
100 65.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN051067.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN051067.D (-2569) (-)

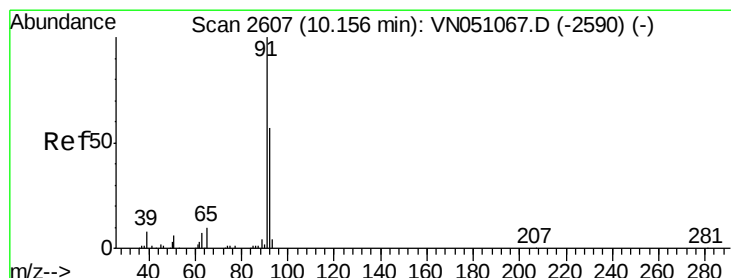
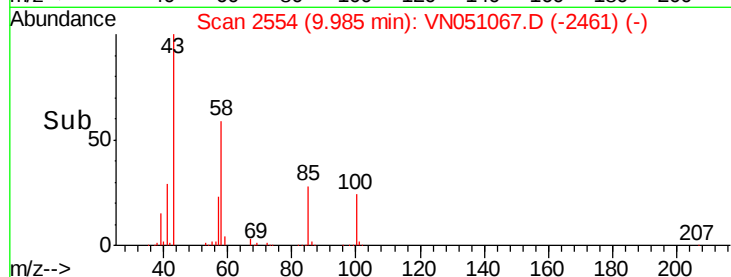
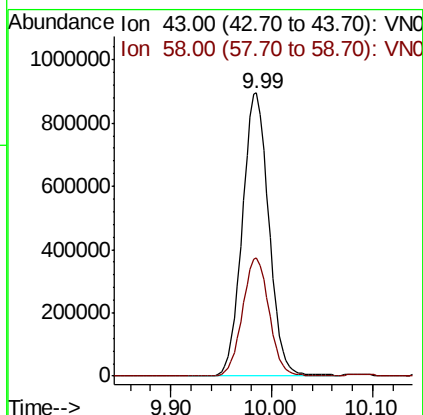
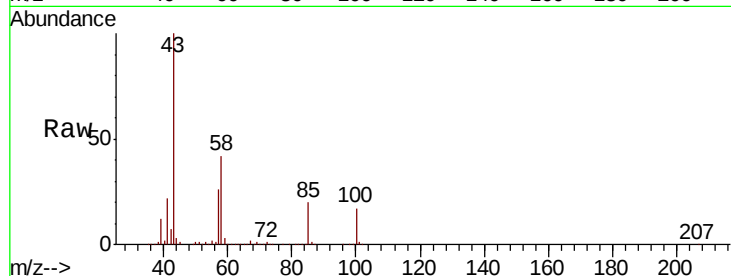




#51
 4-Methyl-2-Pentanone
 Concen: 250.062 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

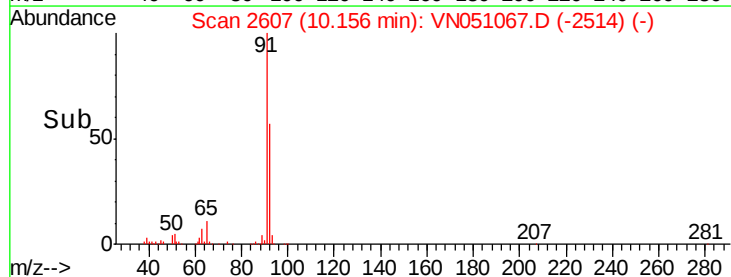
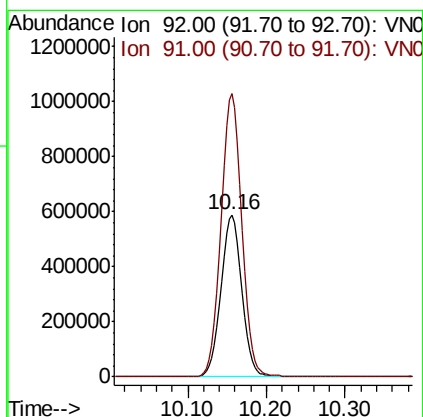
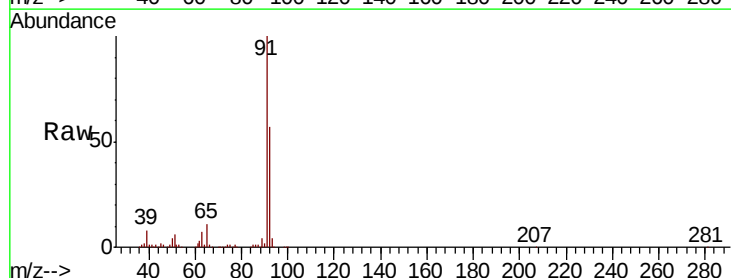
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

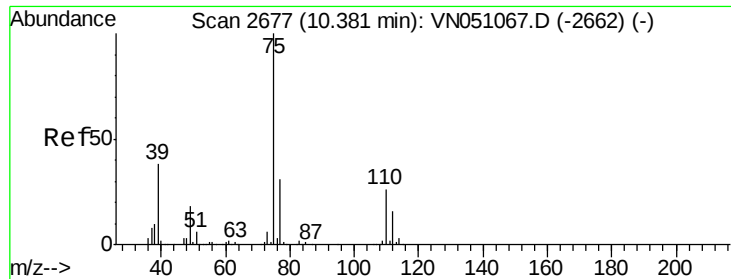
Tgt Ion: 43 Resp: 1624269
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.5 50.3



#52
 Toluene
 Concen: 50.768 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion: 92 Resp: 1072189
 Ion Ratio Lower Upper
 92 100
 91 174.4 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 51.311 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

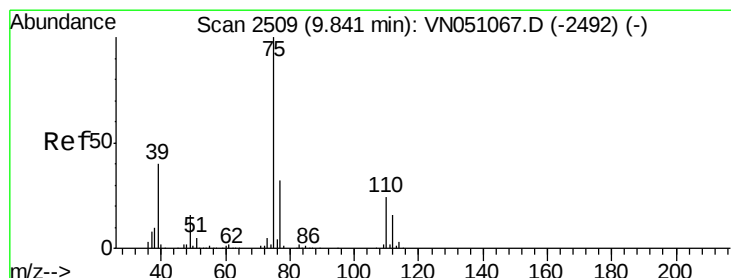
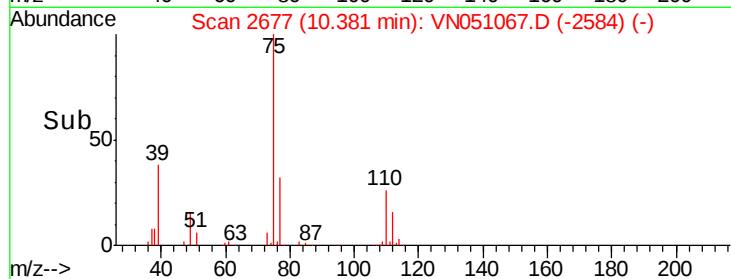
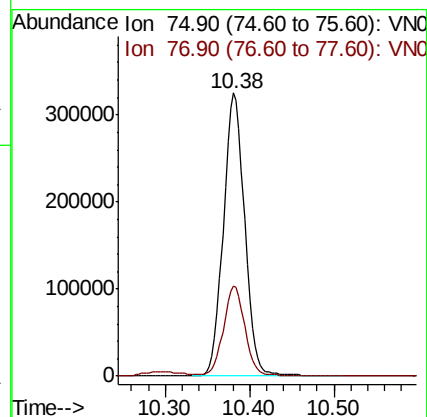
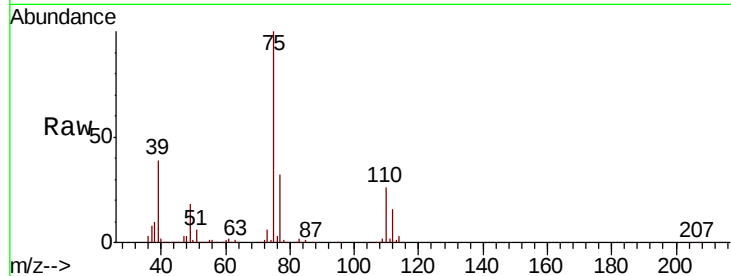
VSTDICCC050

Tgt Ion: 75 Resp: 570183

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 50.931 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

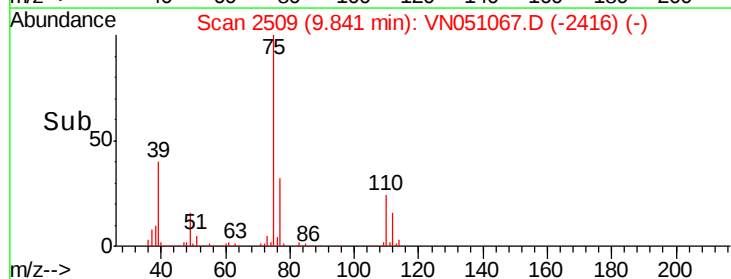
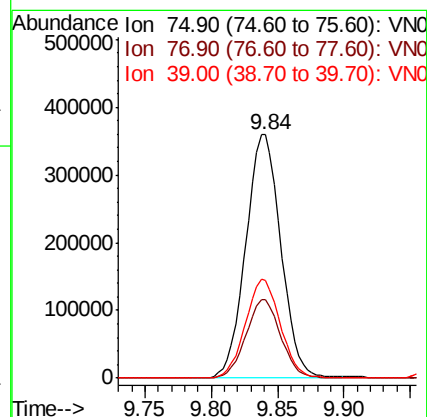
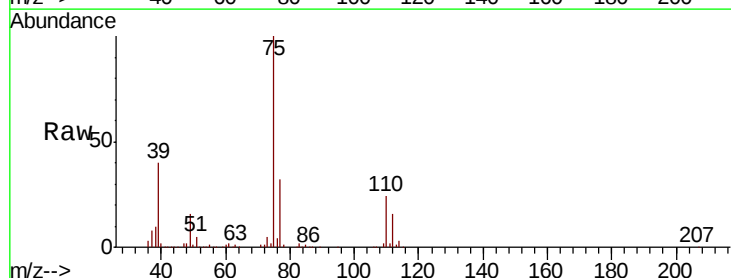
Tgt Ion: 75 Resp: 663591

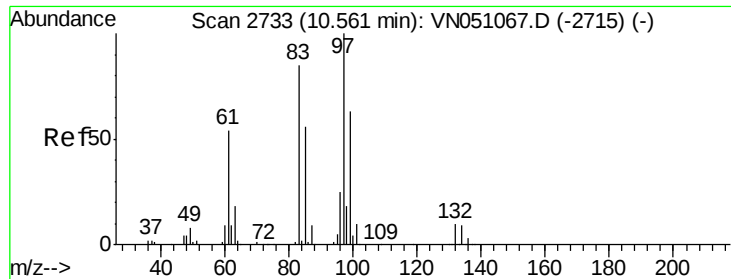
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 39.9 31.9 47.9

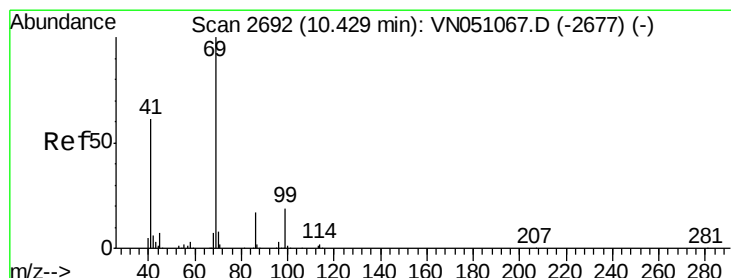
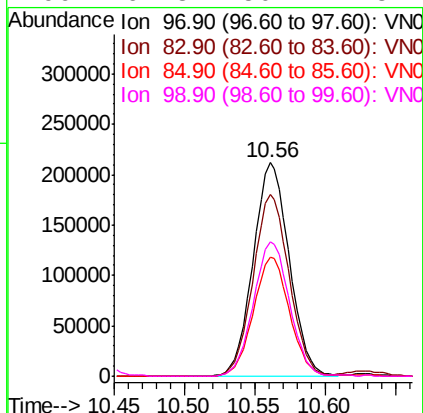
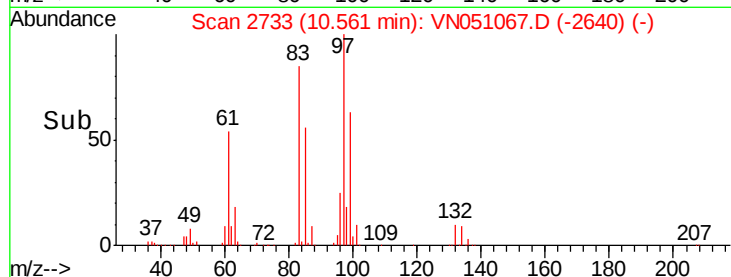
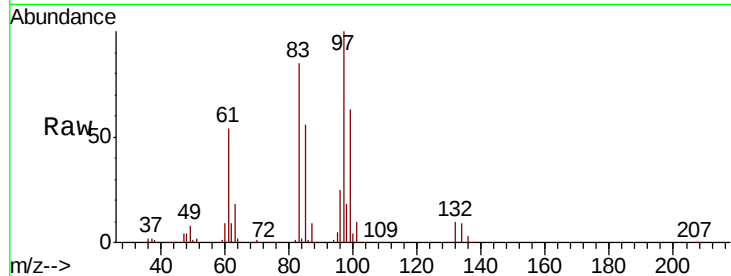




#55
 1,1,2-Trichloroethane
 Concen: 49.550 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

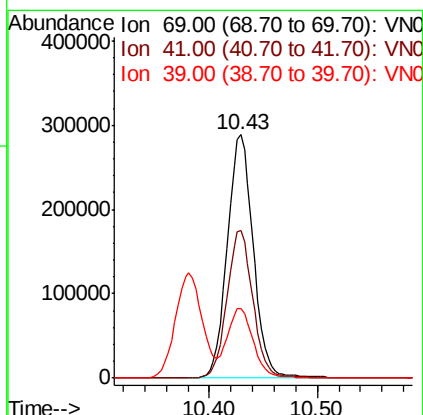
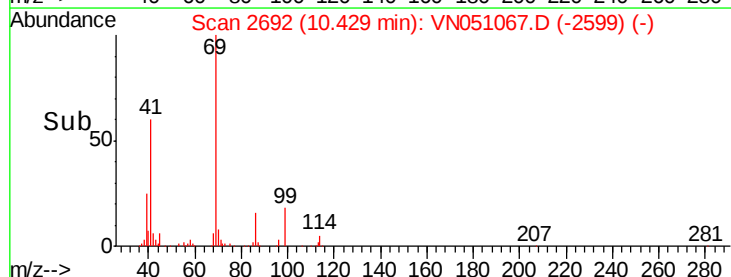
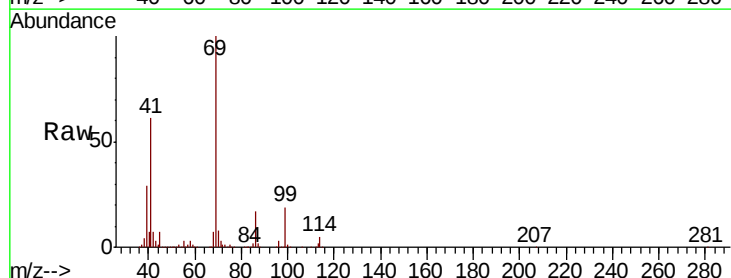
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 97 Resp: 380140
 Ion Ratio Lower Upper
 97 100
 83 85.2 68.2 102.2
 85 56.0 44.8 67.2
 99 62.8 50.2 75.4



#56
 Ethyl methacrylate
 Concen: 52.848 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion: 69 Resp: 485252
 Ion Ratio Lower Upper
 69 100
 41 59.8 47.8 71.8
 39 28.7 23.0 34.4





#57

1,3-Dichloropropane

Concen: 50.030 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

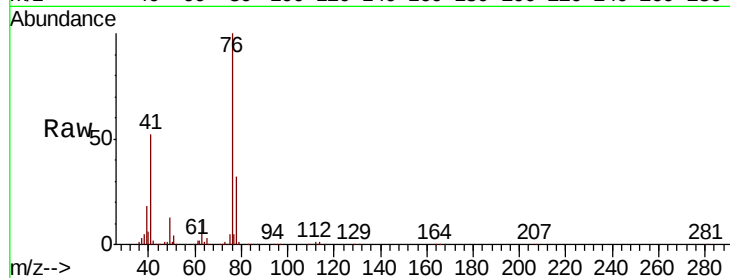
VSTDICCC050

Tgt Ion: 76 Resp: 636323

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN051067.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN051067.D (-2763) (-)

10.71

400000

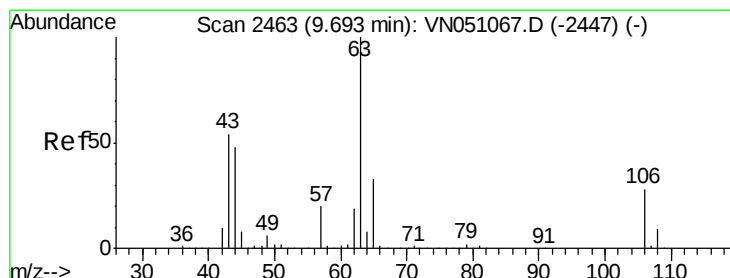
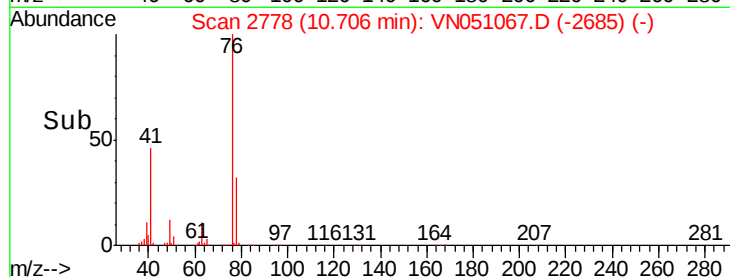
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 271.869 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN051067.D

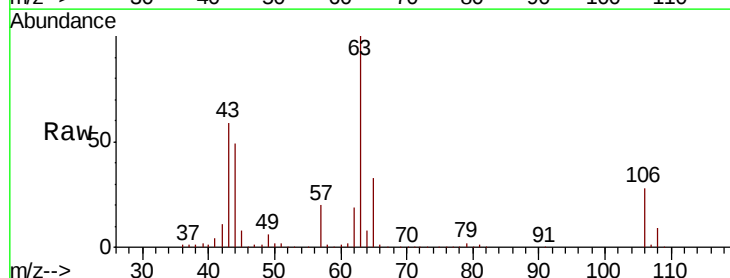
Acq: 10 Sep 2018 9:23

Tgt Ion: 63 Resp: 1020252

Ion Ratio Lower Upper

63 100

106 28.1 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN051067.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN051067.D (-2447) (-)

9.69

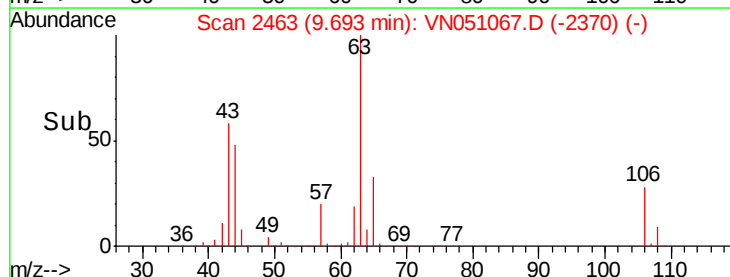
600000

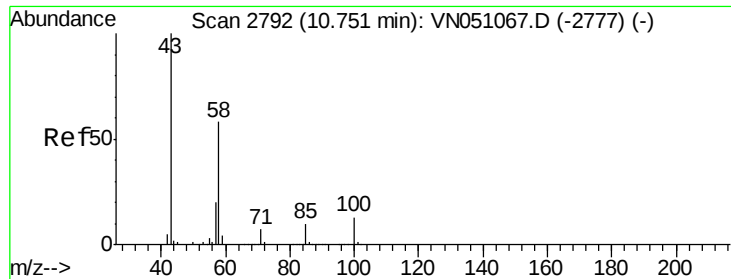
400000

200000

0

Time-->

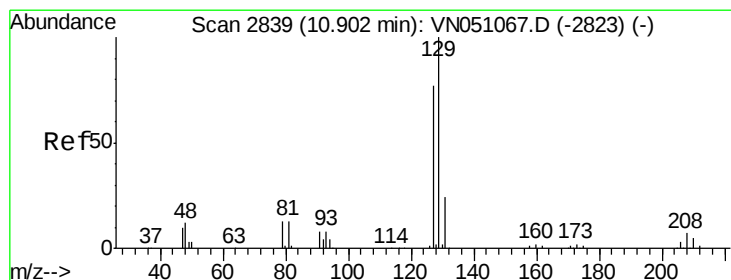
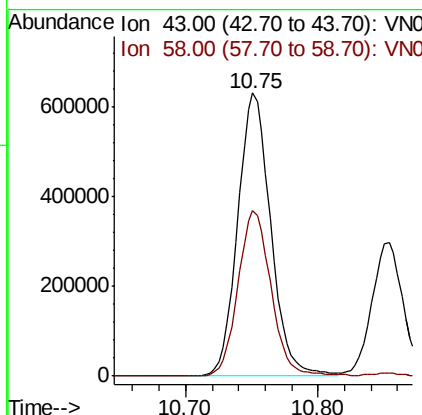
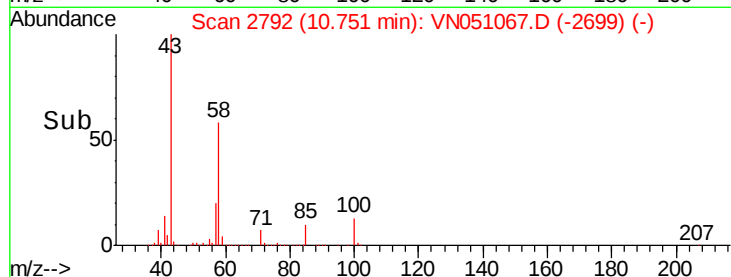
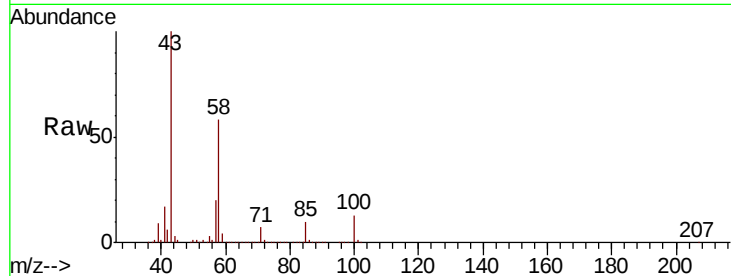




#59
2-Hexanone
Concen: 247.373 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

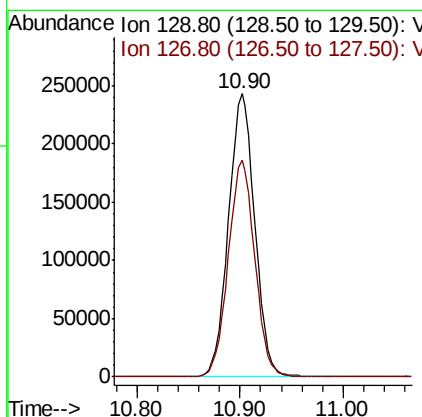
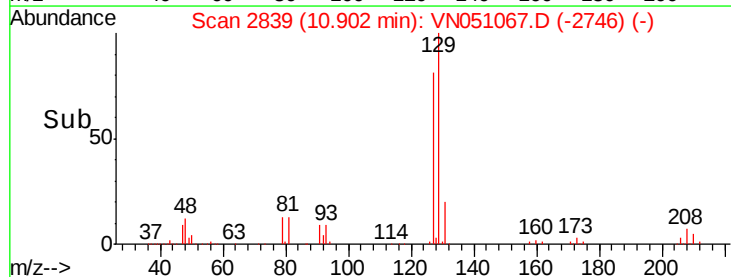
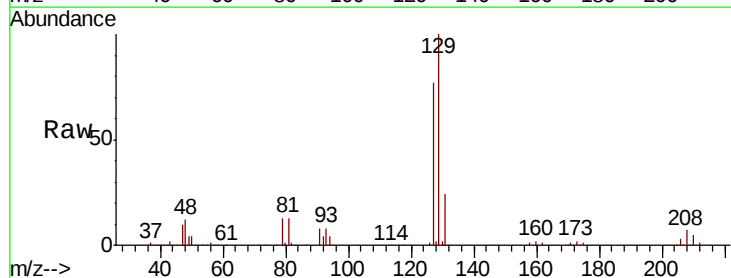
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

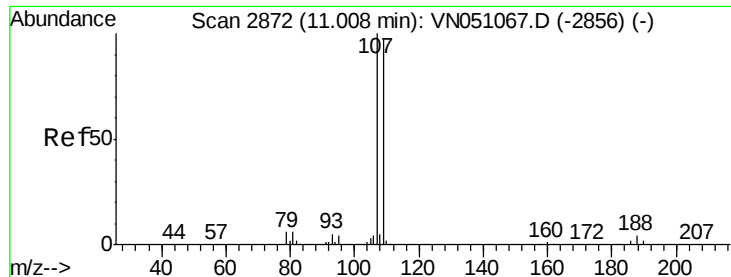
Tgt Ion: 43 Resp: 1089702
Ion Ratio Lower Upper
43 100
58 58.7 29.3 88.0



#60
Dibromochloromethane
Concen: 50.031 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion: 129 Resp: 432626
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

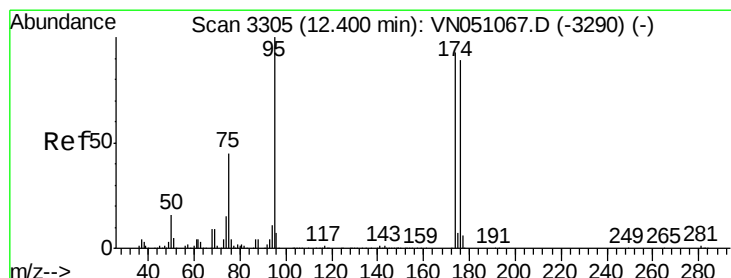
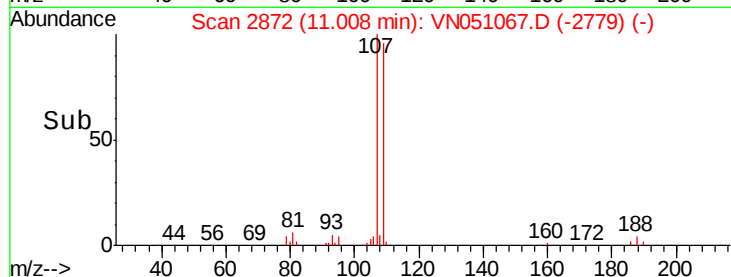
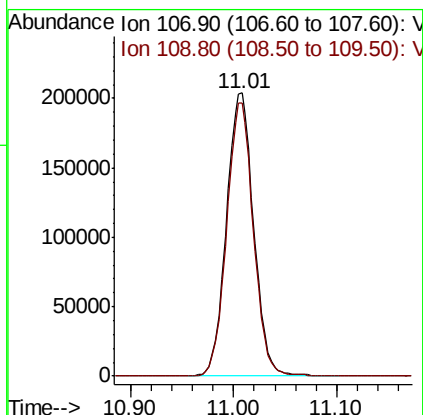
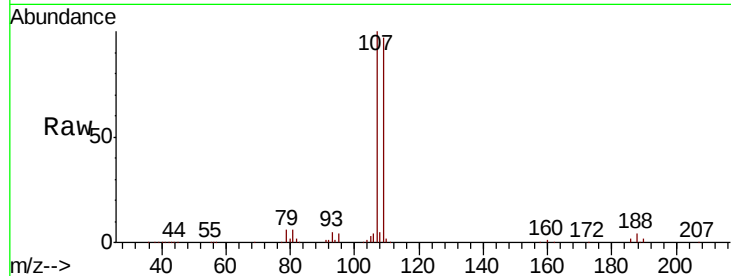




#61
 1,2-Dibromoethane
 Concen: 49.905 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

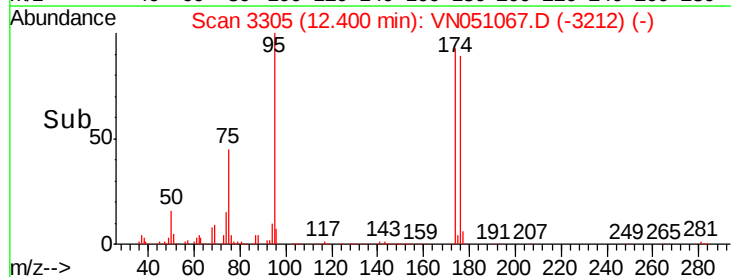
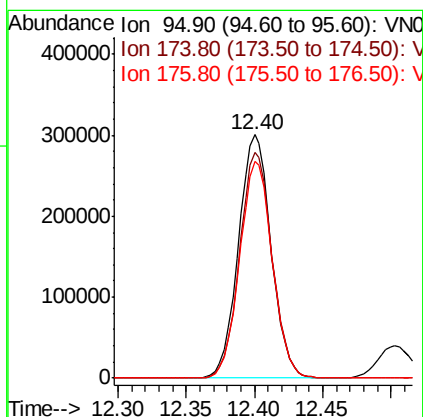
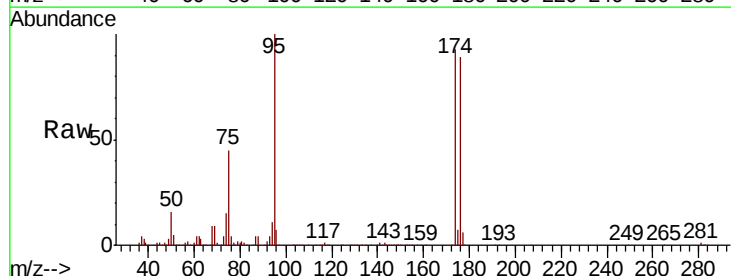
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

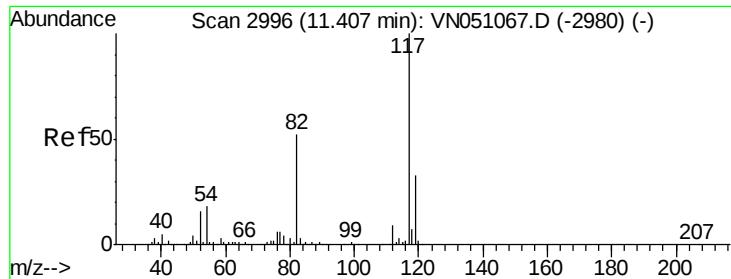
Tgt Ion: 107 Resp: 374263
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 50.440 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion: 95 Resp: 498061
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 184.8
 176 89.3 0.0 178.6

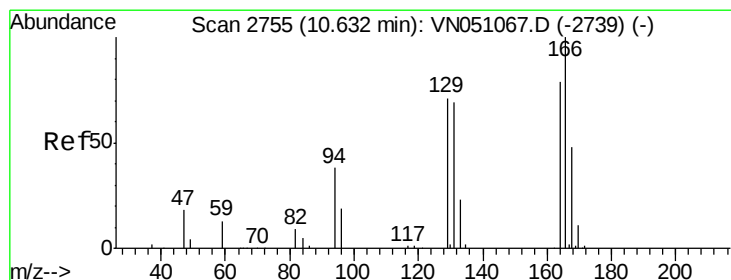
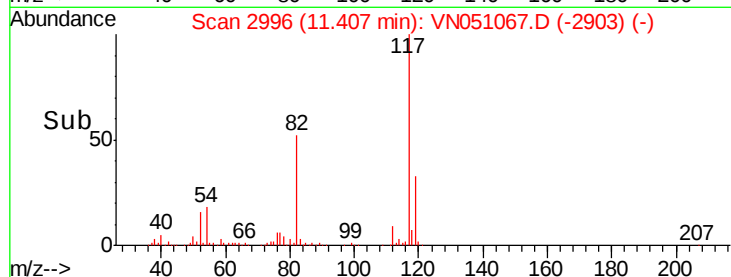
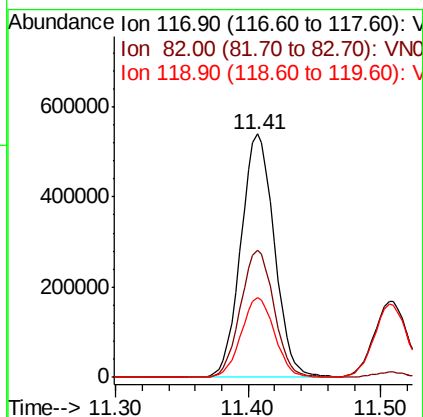
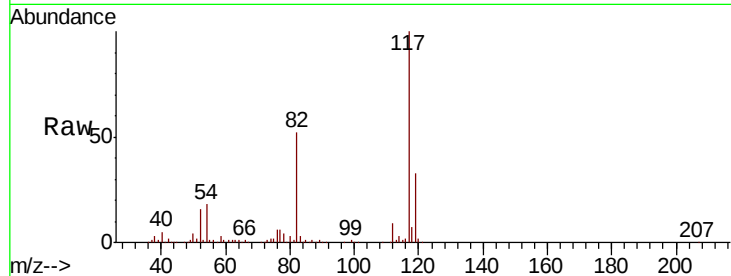




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

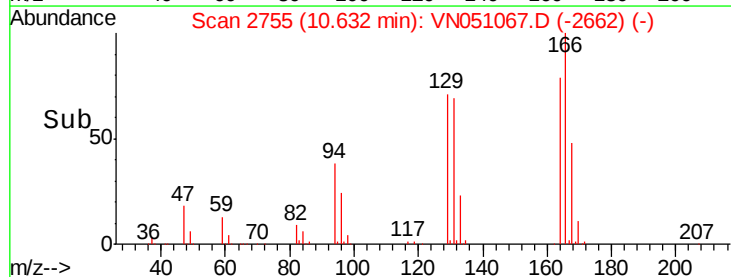
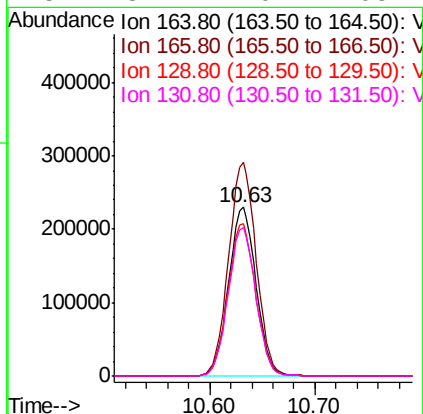
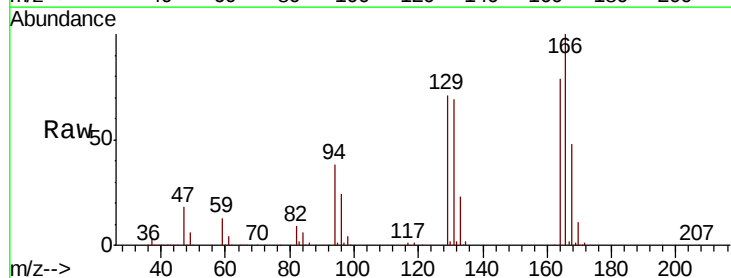
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

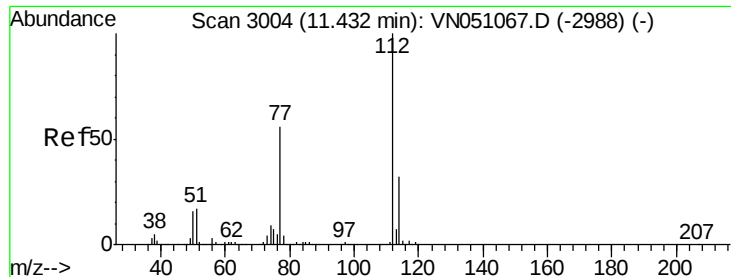
Tgt Ion:117 Resp: 946210
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.6
119 32.7 26.2 39.2



#64
Tetrachloroethene
Concen: 47.869 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion:164 Resp: 413306
Ion Ratio Lower Upper
164 100
166 126.6 101.3 151.9
129 90.2 72.2 108.2
131 87.7 70.2 105.2

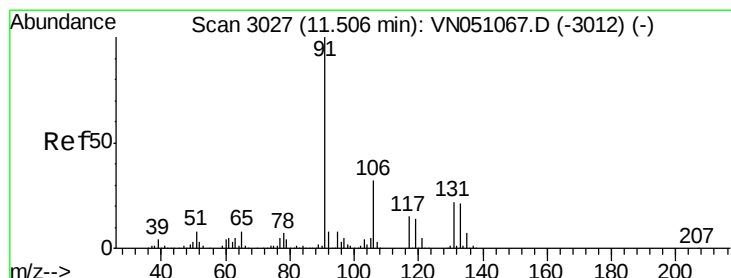
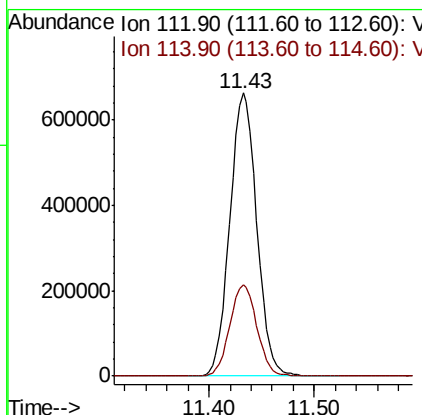
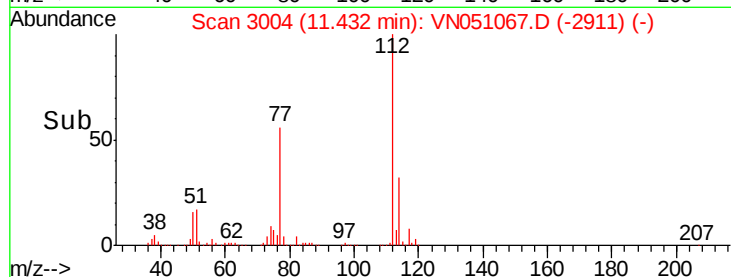
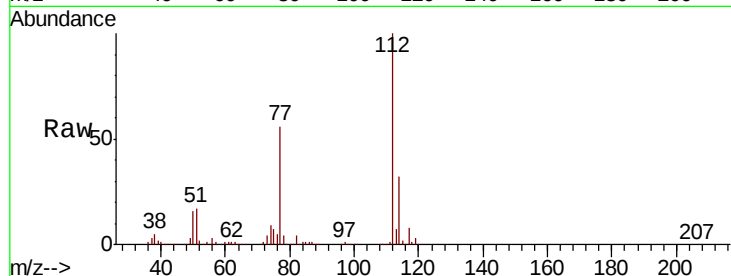




#65
Chlorobenzene
Concen: 49.037 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

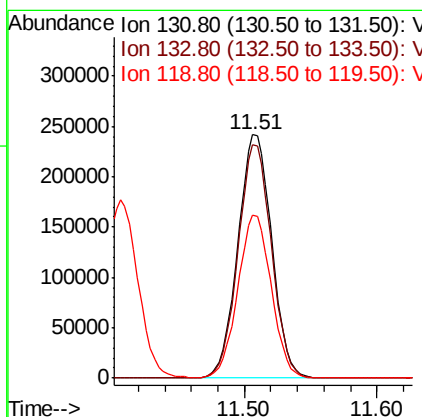
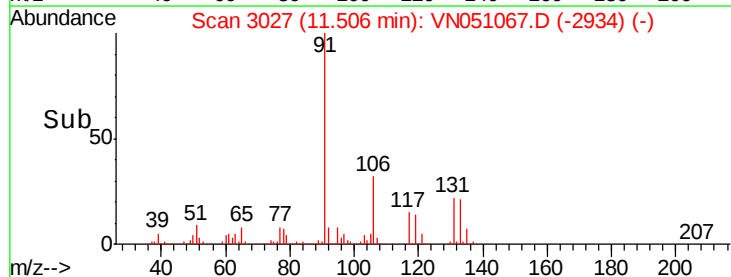
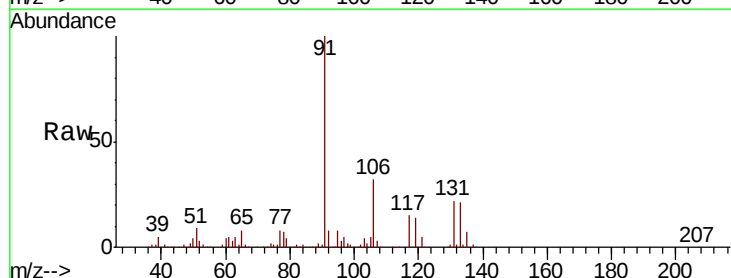
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

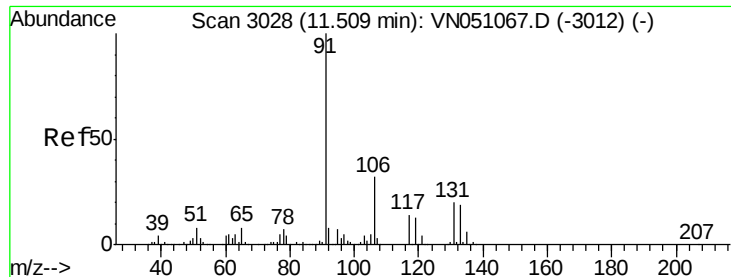
Tgt Ion:112 Resp: 1169598
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.682 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion:131 Resp: 426635
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.6
119 66.4 33.2 99.6

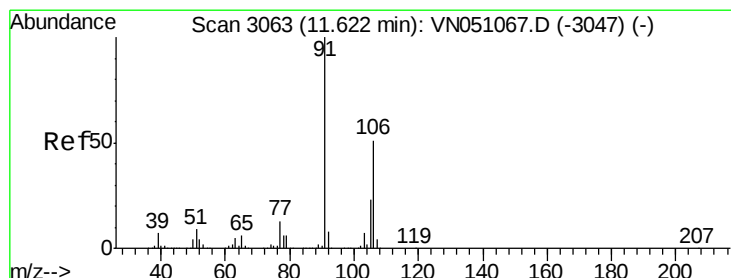
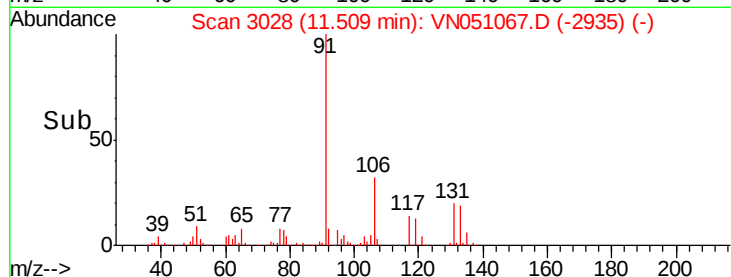
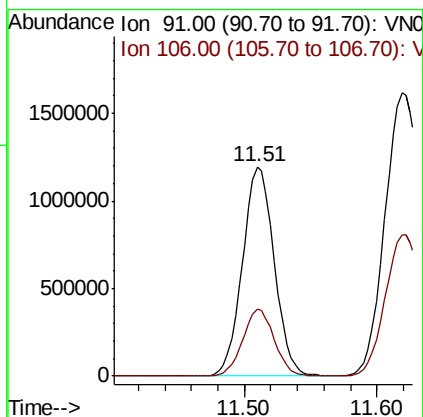
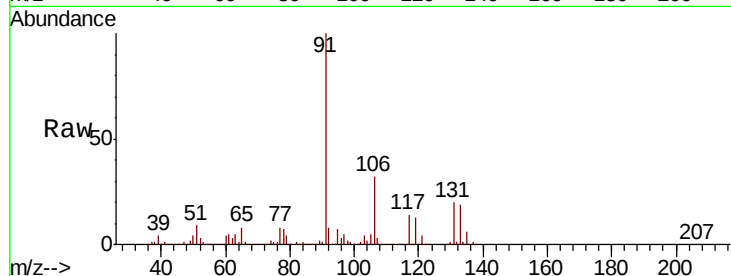




#67
Ethyl Benzene
Concen: 51.541 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

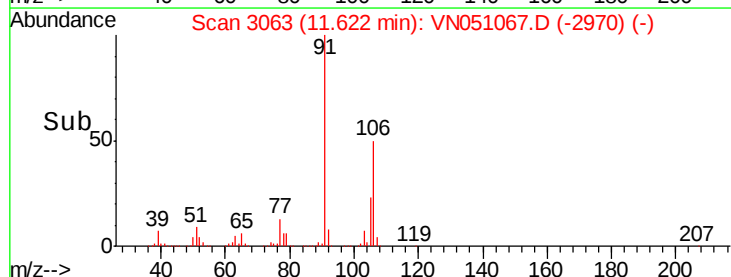
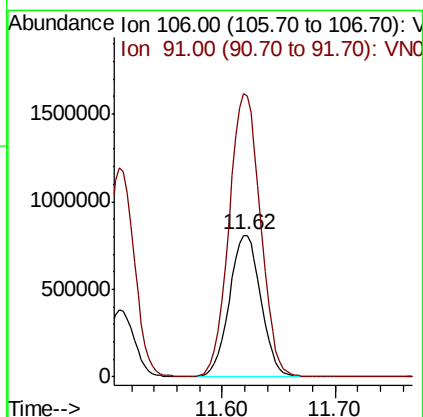
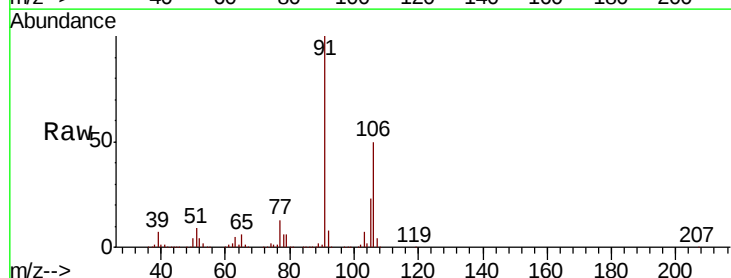
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

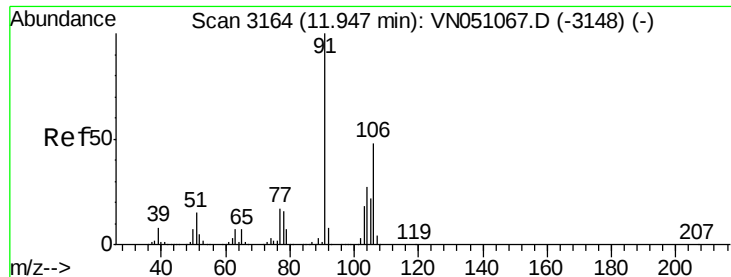
Tgt Ion: 91 Resp: 1990825
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2



#68
m/p-Xylenes
Concen: 105.345 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion: 106 Resp: 1563409
Ion Ratio Lower Upper
106 100
91 199.7 159.8 239.6

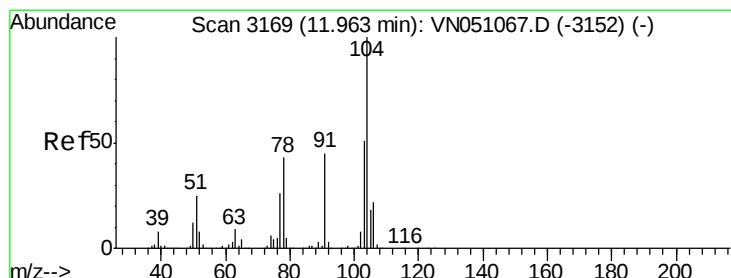
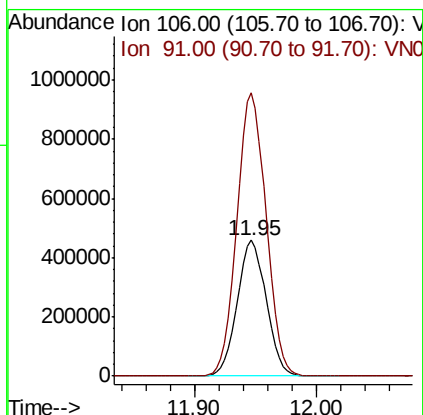
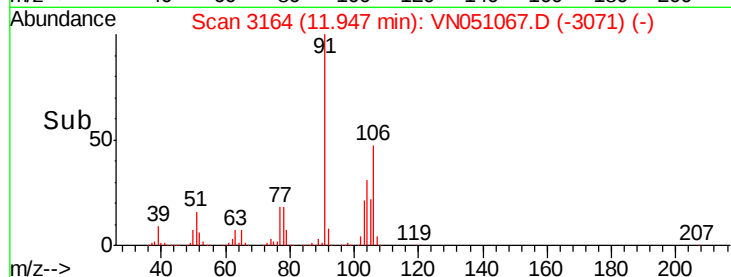
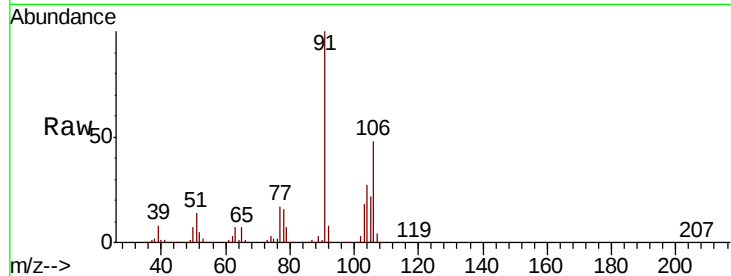




#69
o-Xylene
Concen: 52.289 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

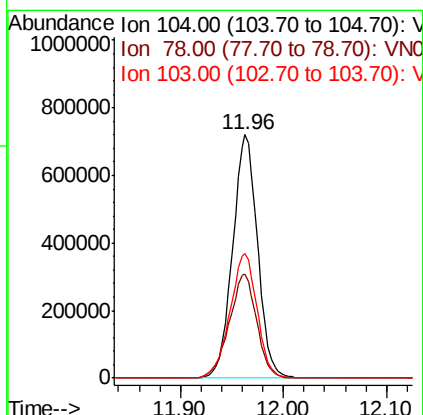
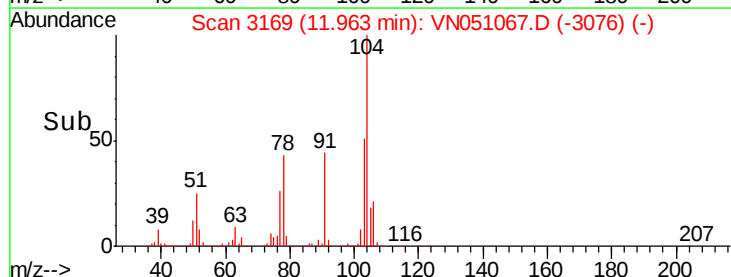
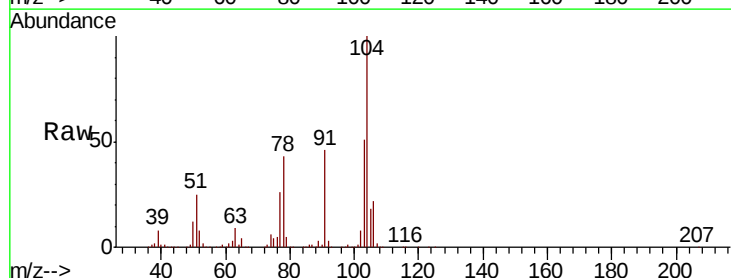
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

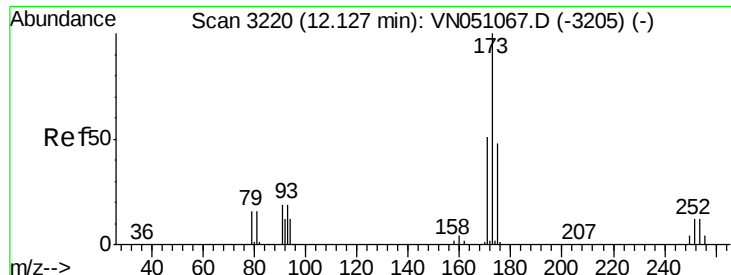
Tgt Ion:106 Resp: 751468
Ion Ratio Lower Upper
106 100
91 210.1 105.1 315.1



#70
Styrene
Concen: 54.319 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion:104 Resp: 1210922
Ion Ratio Lower Upper
104 100
78 47.1 37.7 56.5
103 55.8 44.6 67.0

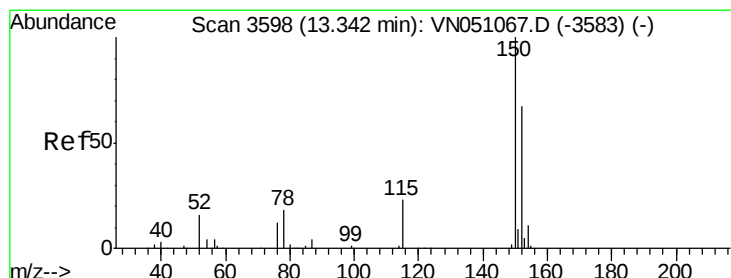
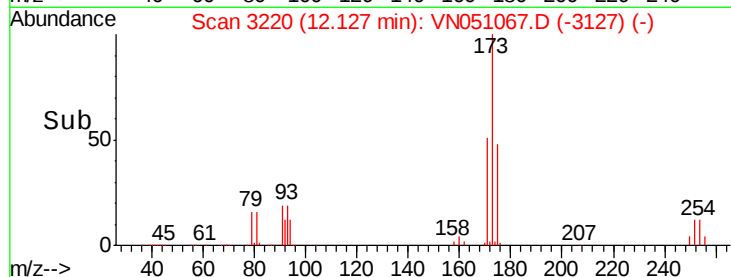
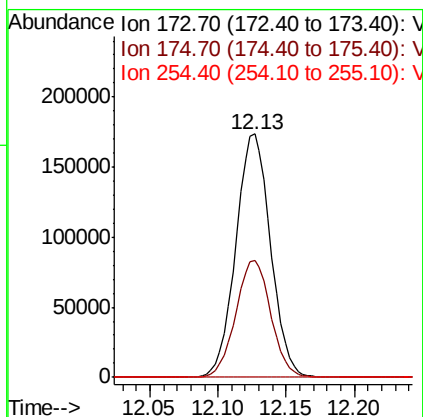
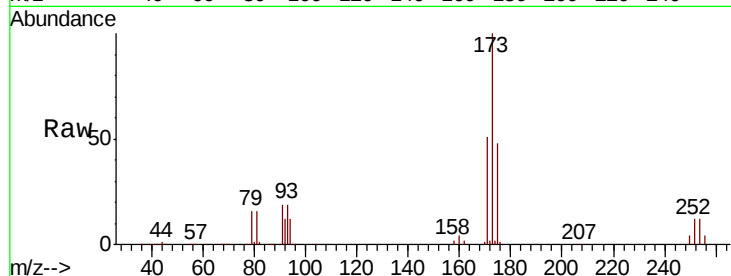




#71
 Bromoform
 Concen: 50.562 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

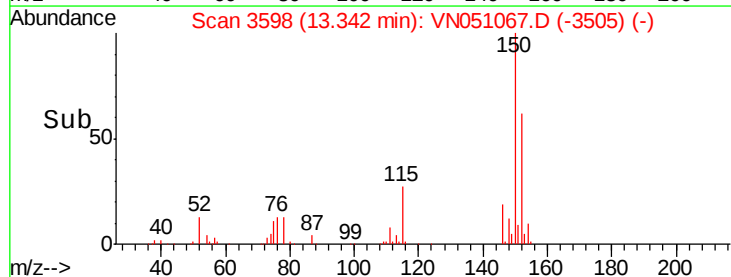
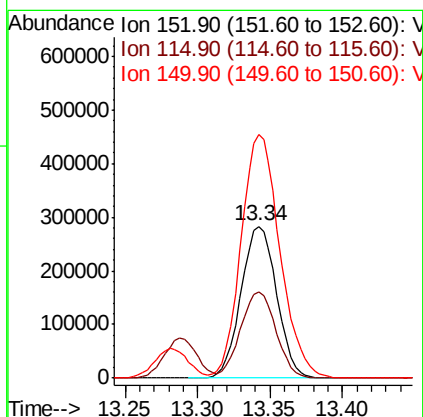
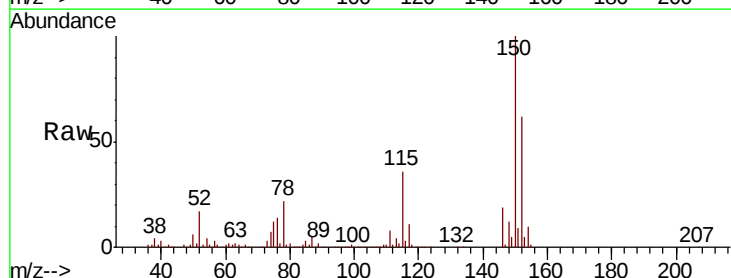
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

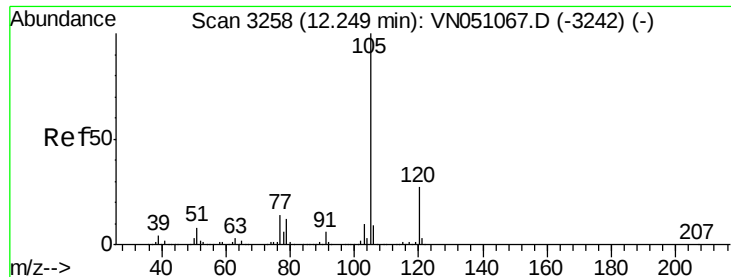
Tgt Ion:173 Resp: 305696
 Ion Ratio Lower Upper
 173 100
 175 48.6 24.3 72.9
 254 0.0 0.0 0.0#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion:152 Resp: 483079
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.2 84.7
 150 174.5 0.0 349.0





#73

Isopropylbenzene

Concen: 48.678 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

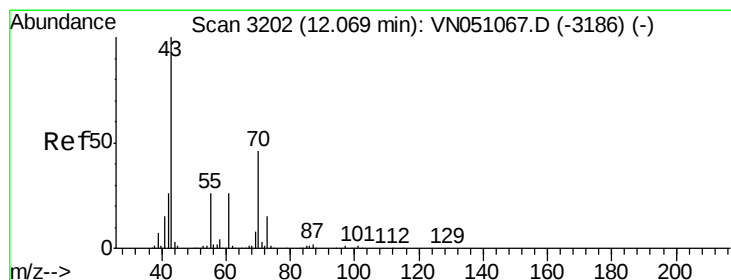
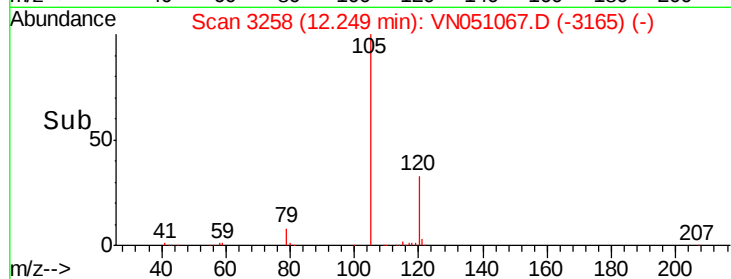
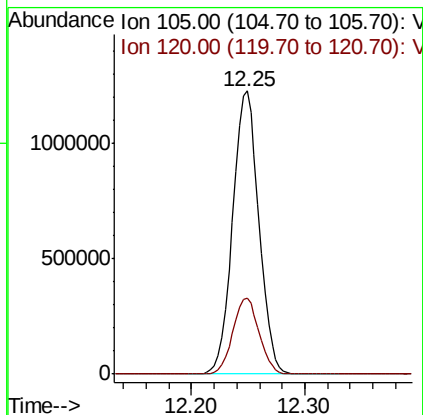
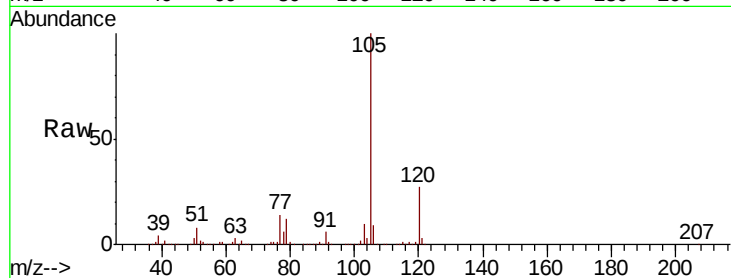
VSTDICCC050

Tgt Ion: 105 Resp: 1972079

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#74

N-ethyl acetate

Concen: 48.498 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Tgt Ion: 43 Resp: 494453

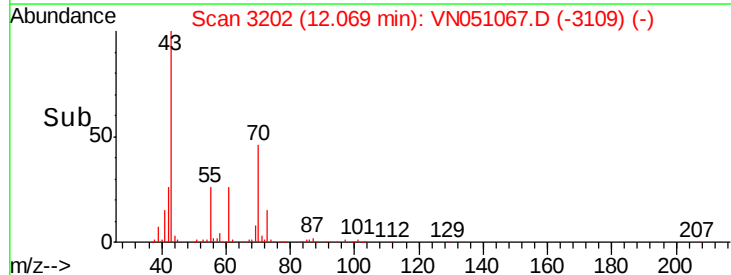
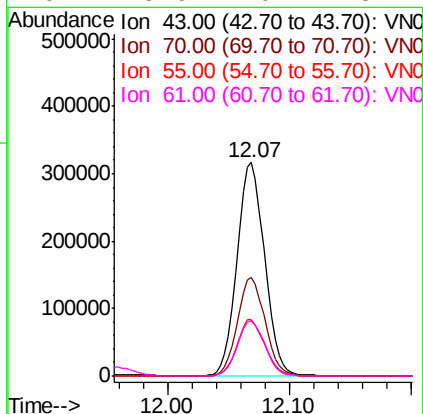
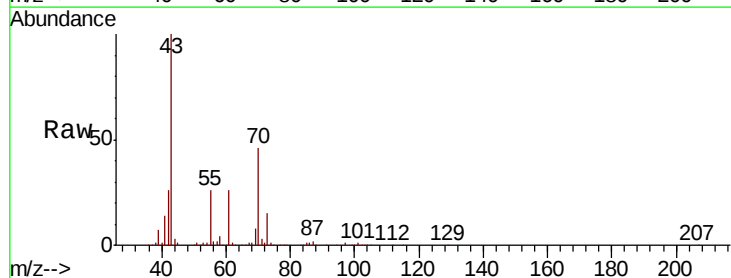
Ion Ratio Lower Upper

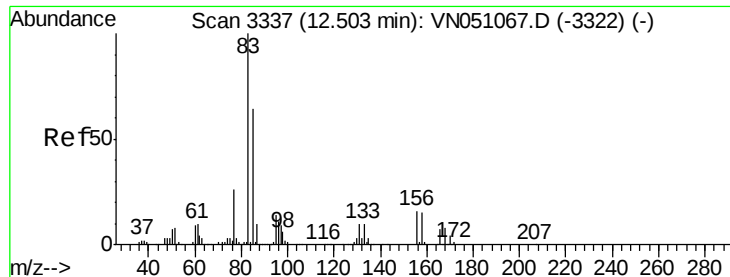
43 100

70 46.2 37.0 55.4

55 26.6 21.3 31.9

61 25.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 43.348 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

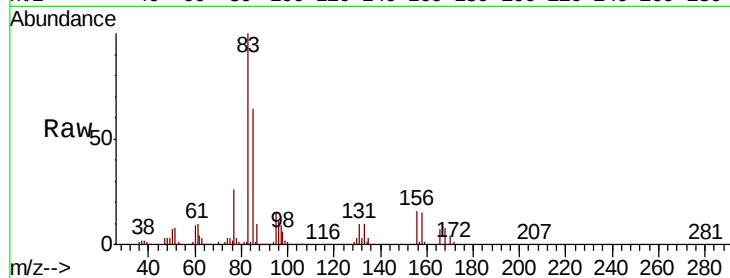
Tgt Ion: 83 Resp: 467582

Ion Ratio Lower Upper

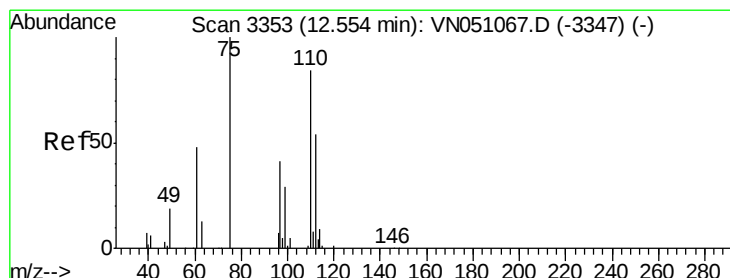
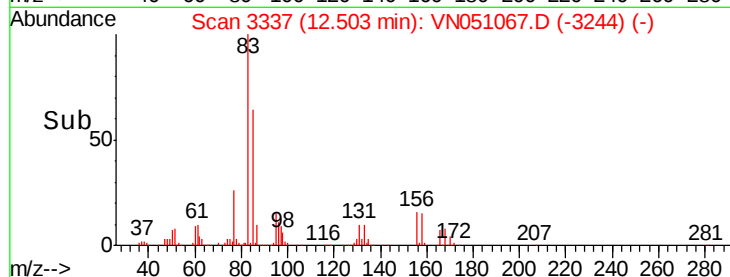
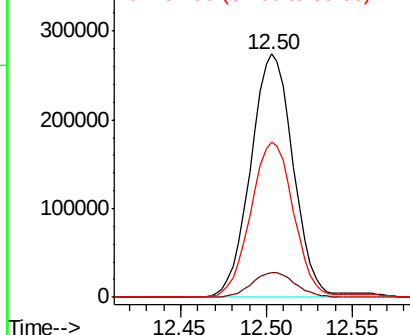
83 100

131 10.7 5.3 16.1

85 64.5 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 69.615 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051067.D

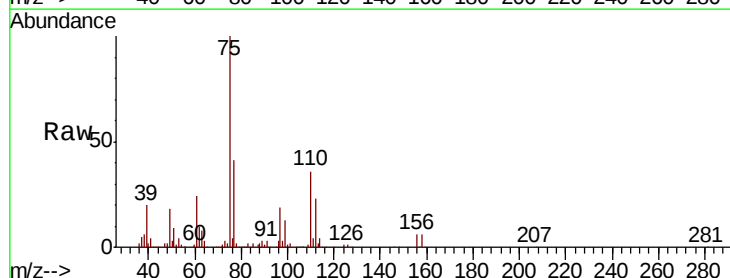
Acq: 10 Sep 2018 9:23

Tgt Ion: 75 Resp: 559259

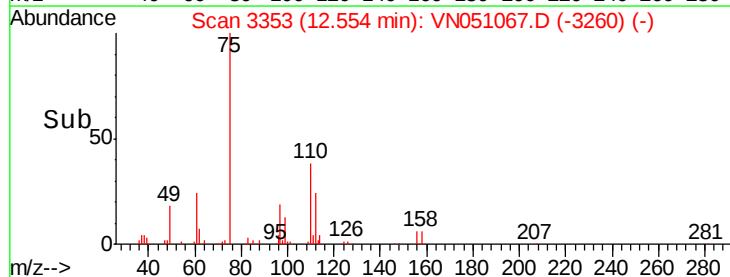
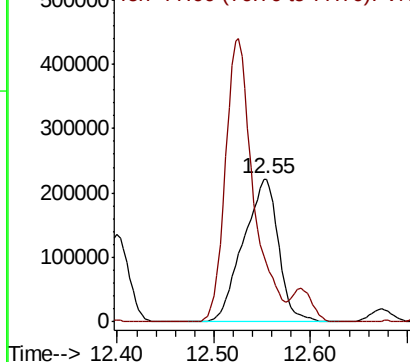
Ion Ratio Lower Upper

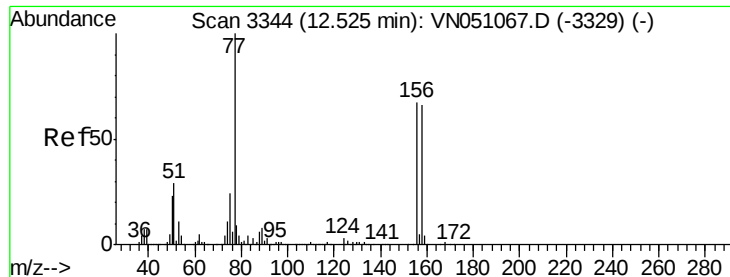
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 46.368 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

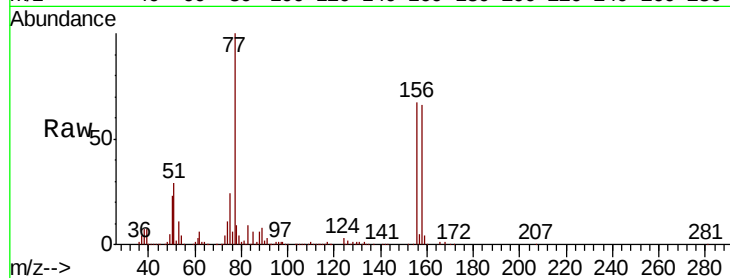
Tgt Ion:156 Resp: 504544

Ion Ratio Lower Upper

156 100

77 175.1 87.5 262.6

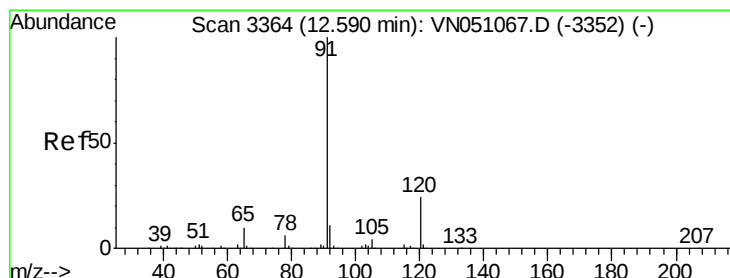
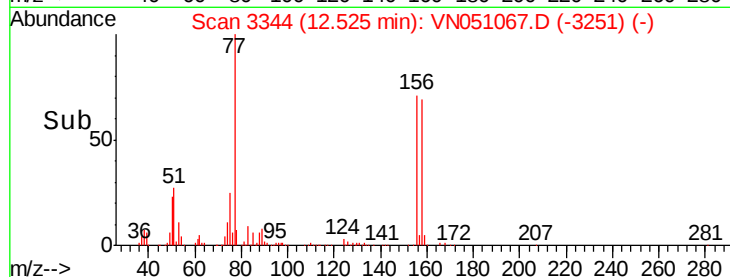
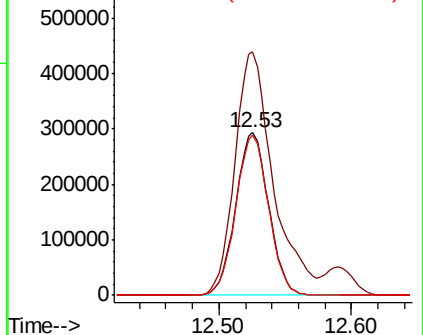
158 98.1 49.0 147.2



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: 49.551 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051067.D

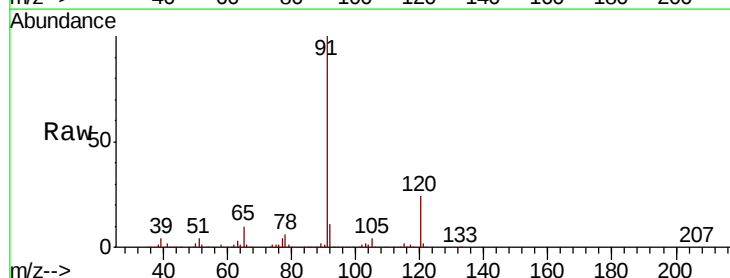
Acq: 10 Sep 2018 9:23

Tgt Ion: 91 Resp: 2206498

Ion Ratio Lower Upper

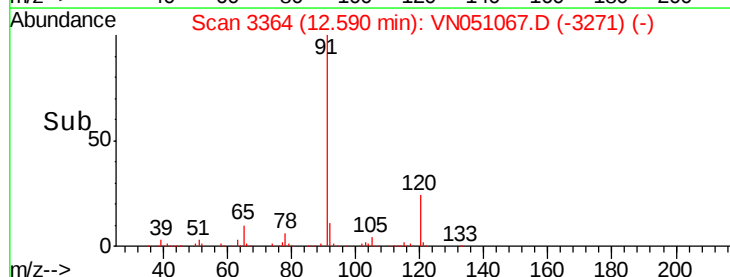
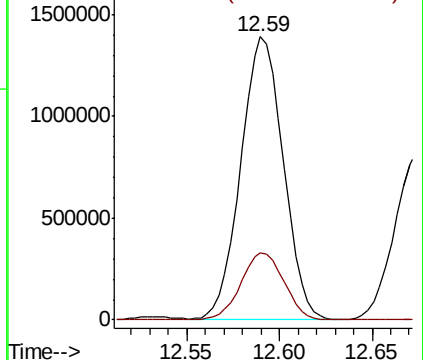
91 100

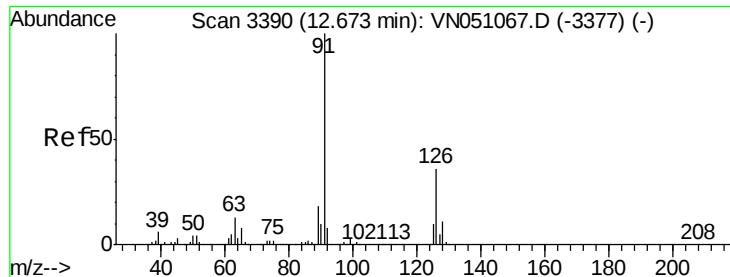
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.508 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

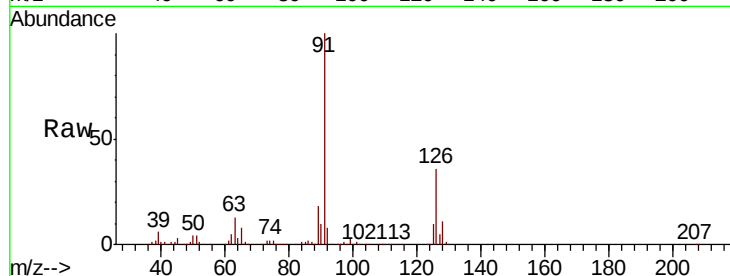
VSTDICCC050

Tgt Ion: 91 Resp: 1322260

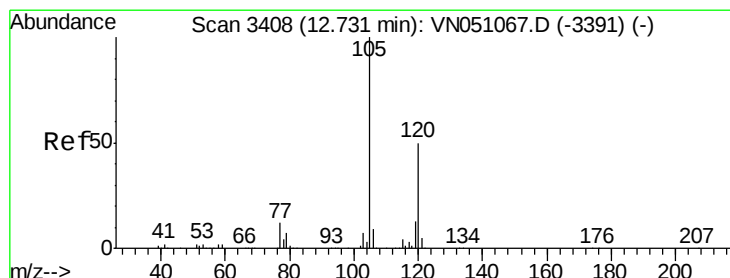
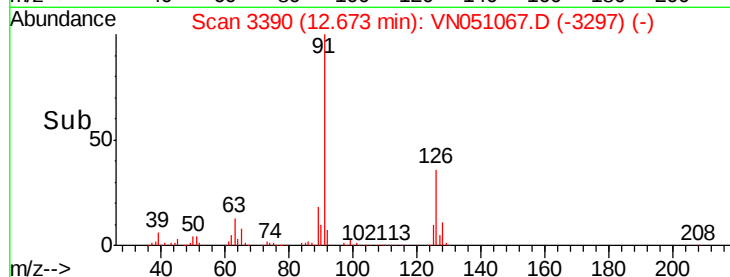
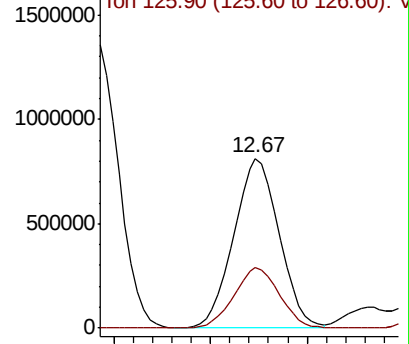
Ion Ratio Lower Upper

91 100

126 35.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.664 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051067.D

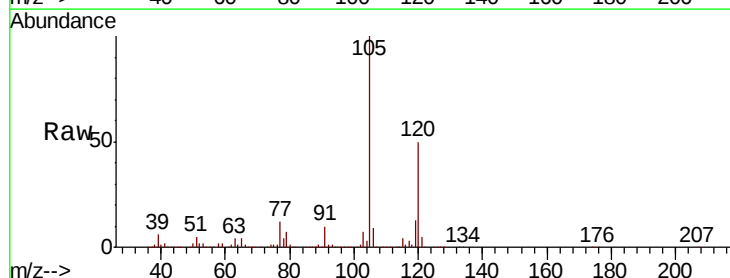
Acq: 10 Sep 2018 9:23

Tgt Ion: 105 Resp: 1626669

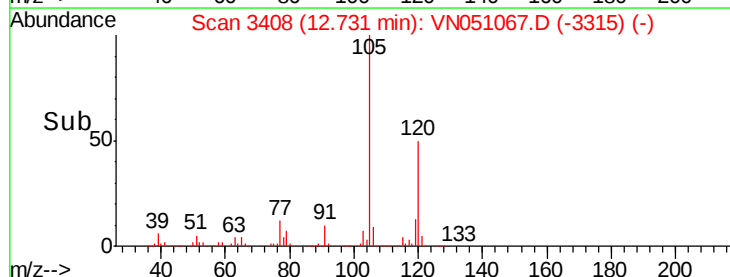
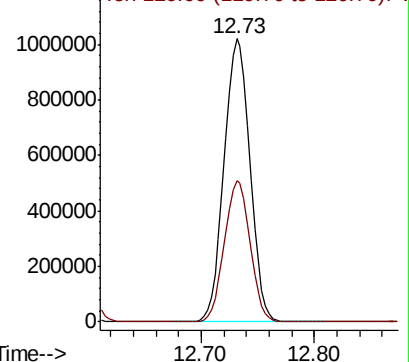
Ion Ratio Lower Upper

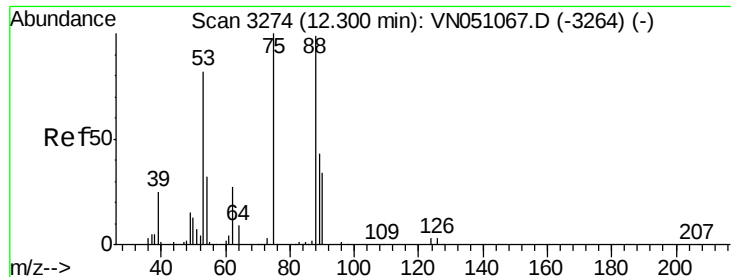
105 100

120 49.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051067.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.231 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

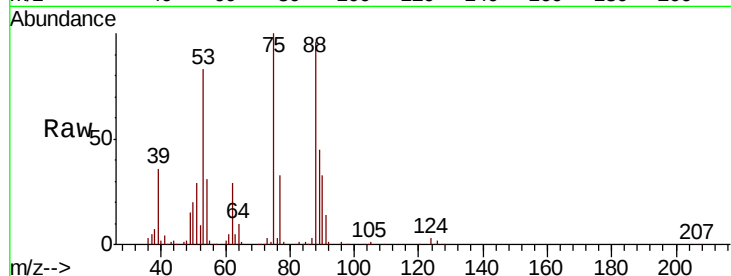
Tgt Ion: 75 Resp: 125225

Ion Ratio Lower Upper

75 100

53 84.8 67.8 101.8

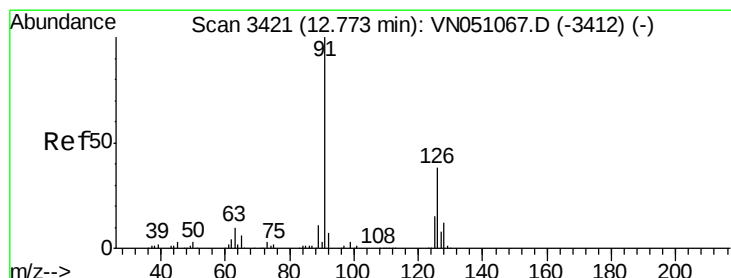
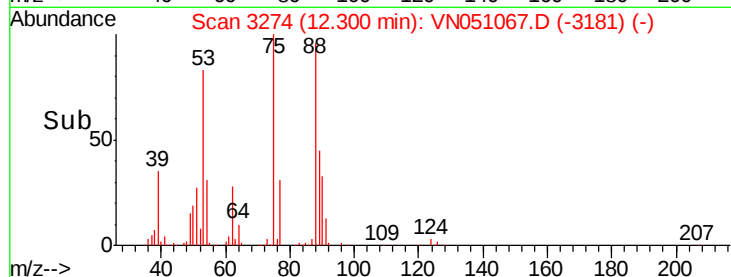
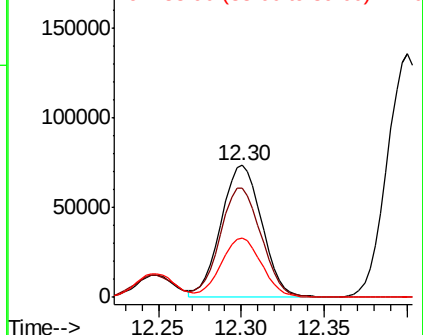
89 45.0 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.037 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051067.D

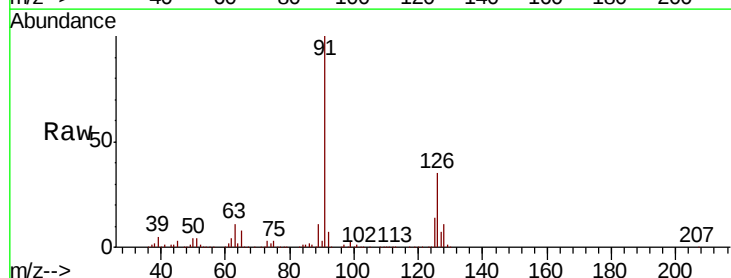
Acq: 10 Sep 2018 9:23

Tgt Ion: 91 Resp: 1327161

Ion Ratio Lower Upper

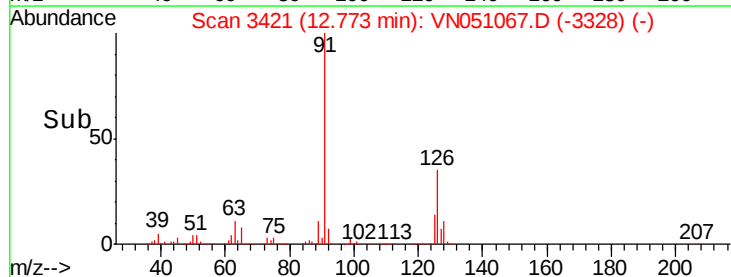
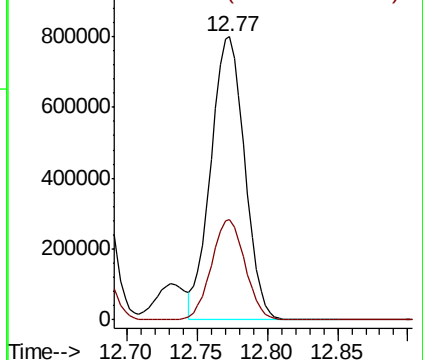
91 100

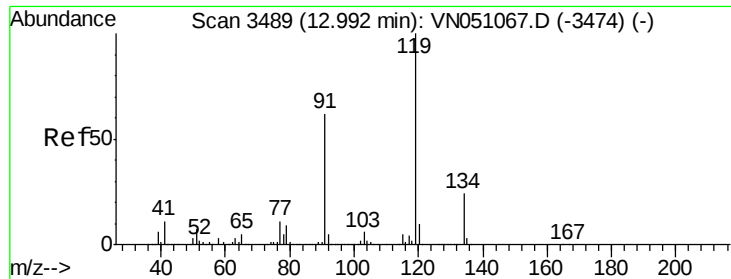
126 35.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

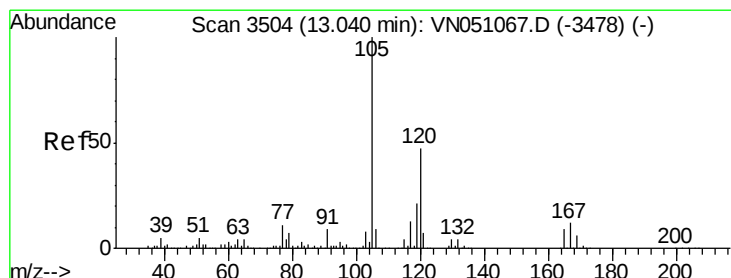
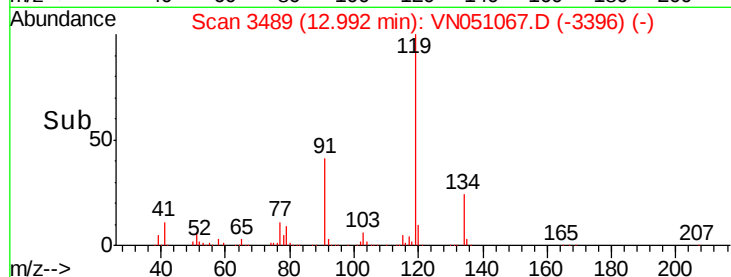
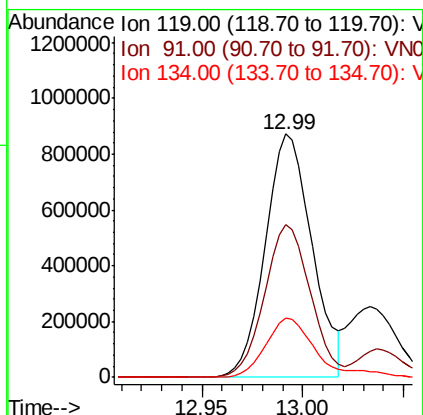
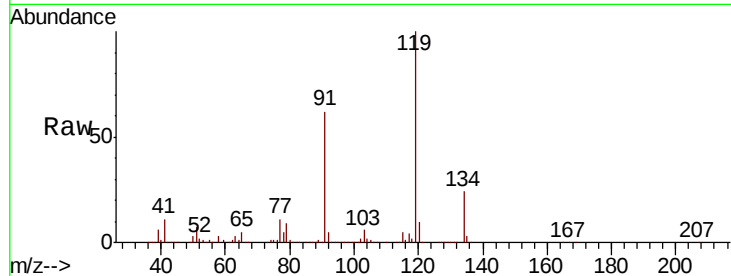




#83
 tert-Butylbenzene
 Concen: 48.620 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

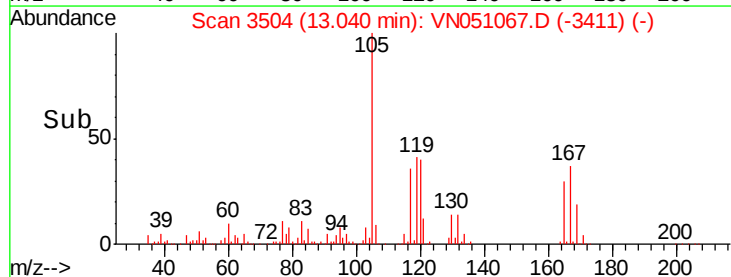
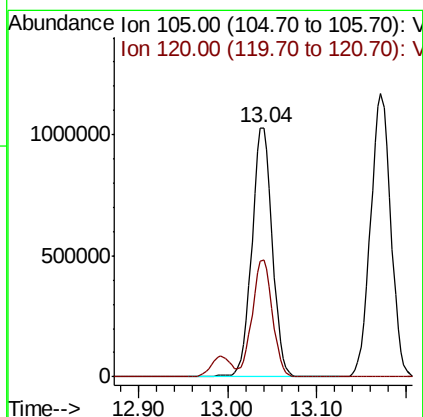
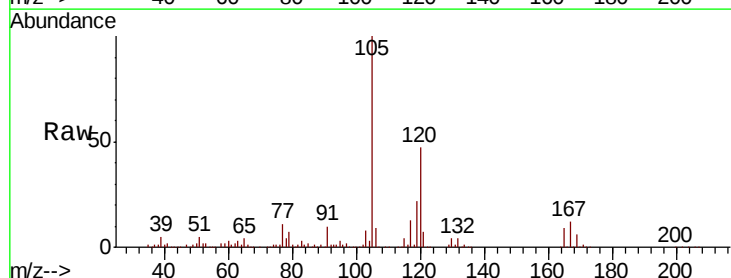
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

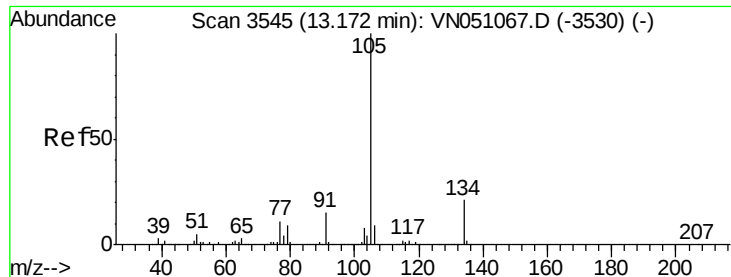
Tgt Ion:119 Resp: 1405864
 Ion Ratio Lower Upper
 119 100
 91 61.5 30.8 92.3
 134 26.4 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.918 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion:105 Resp: 1639800
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.3 69.8

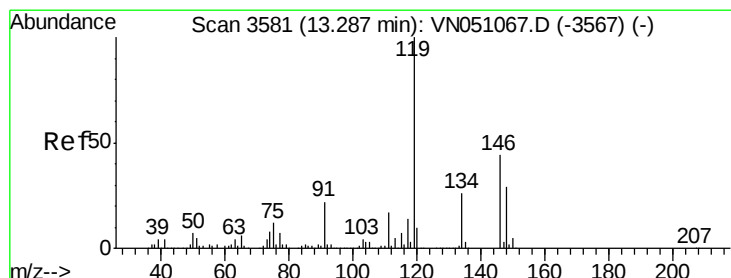
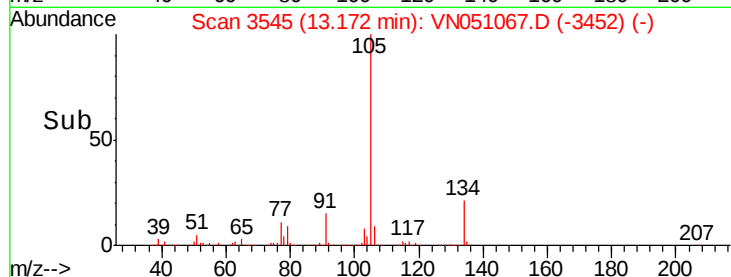
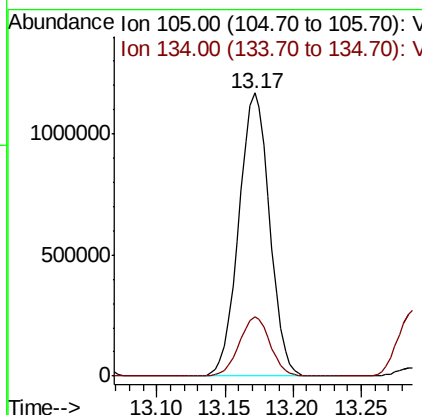
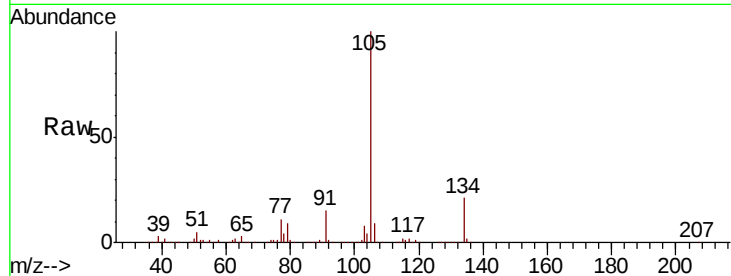




#85
 sec-Butylbenzene
 Concen: 49.296 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

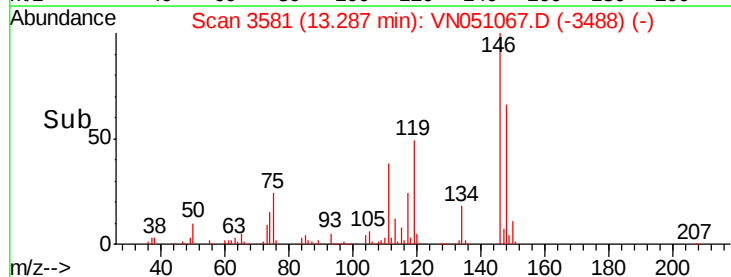
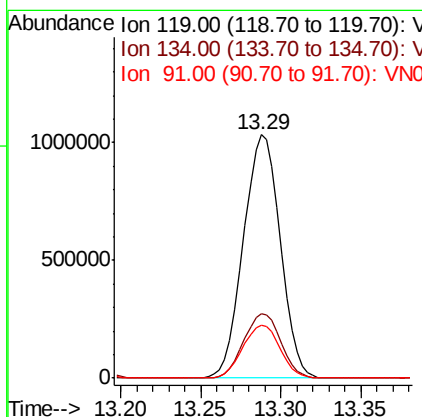
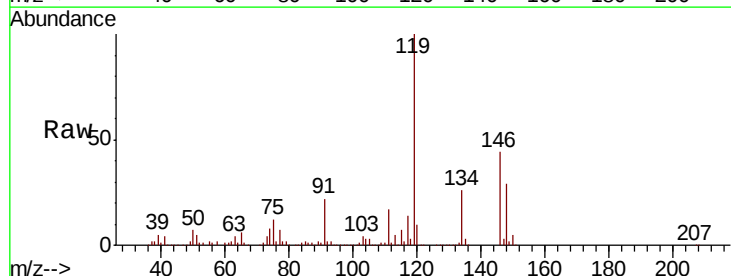
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

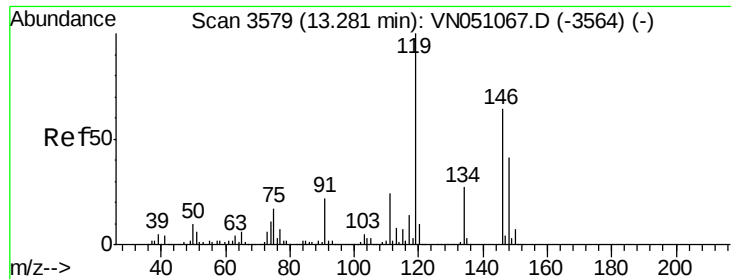
Tgt Ion:105 Resp: 1828079
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 51.674 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion:119 Resp: 1624807
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.4
 91 21.9 10.9 32.9

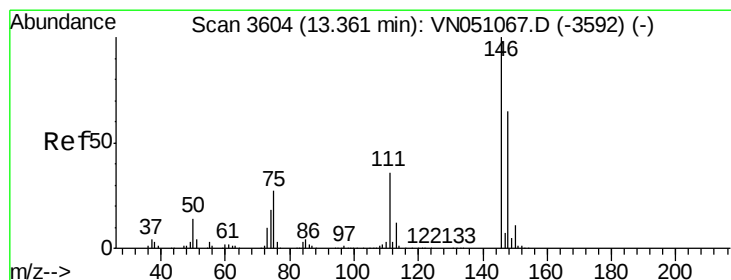
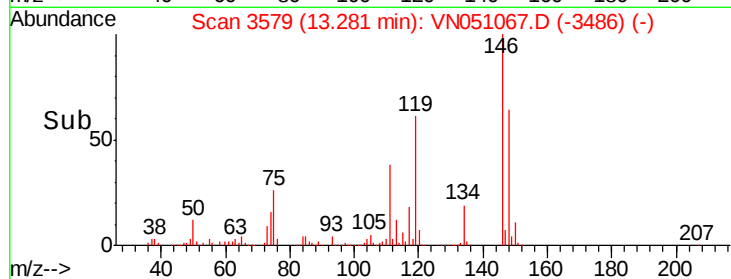
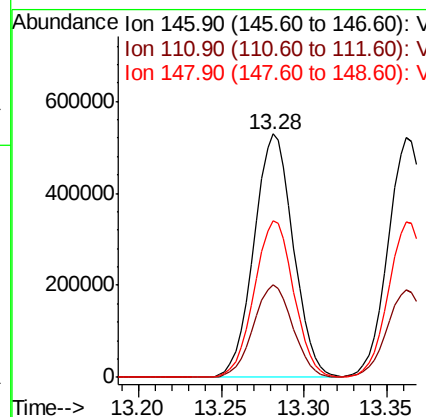
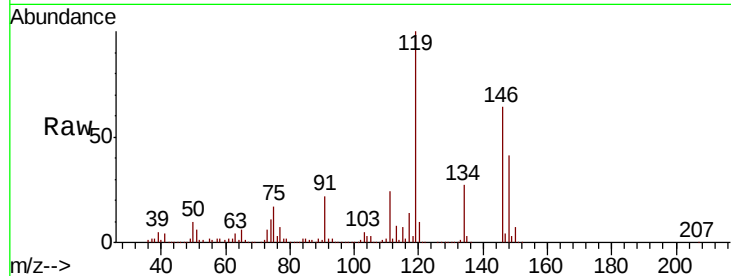




#87
 1,3-Dichlorobenzene
 Concen: 47.216 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

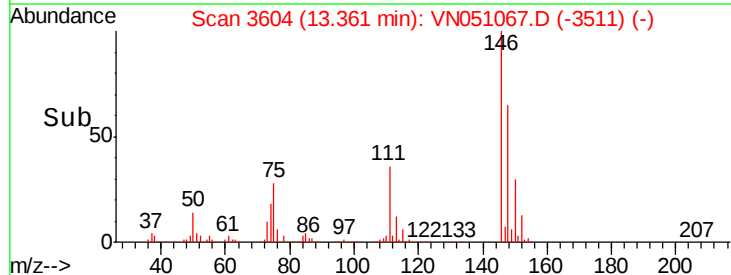
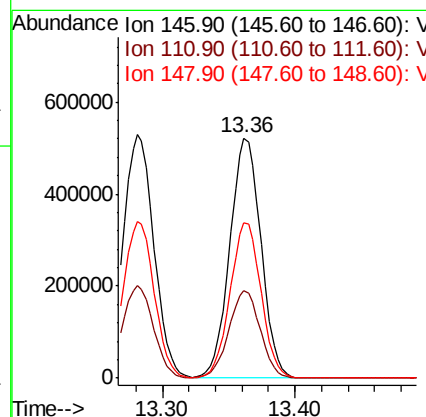
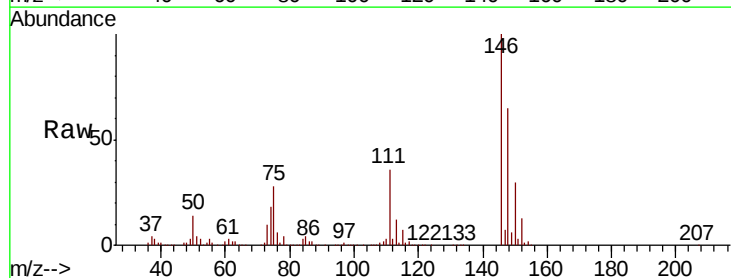
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

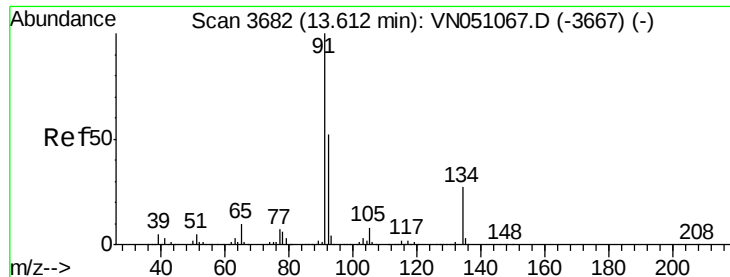
Tgt Ion:146 Resp: 871667
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 64.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 46.705 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion:146 Resp: 849810
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.0
 148 64.4 32.2 96.6





#89

n-Butylbenzene

Concen: 52.104 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

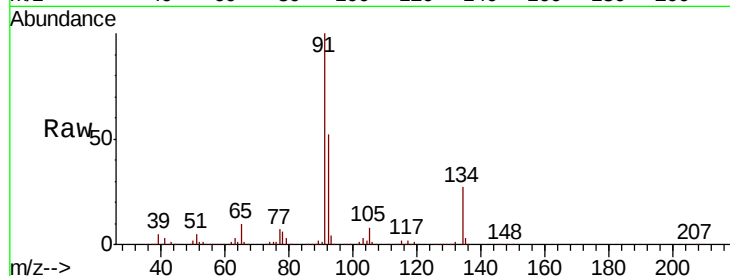
Tgt Ion: 91 Resp: 1275082

Ion Ratio Lower Upper

91 100

92 52.4 26.2 78.6

134 27.4 13.7 41.1

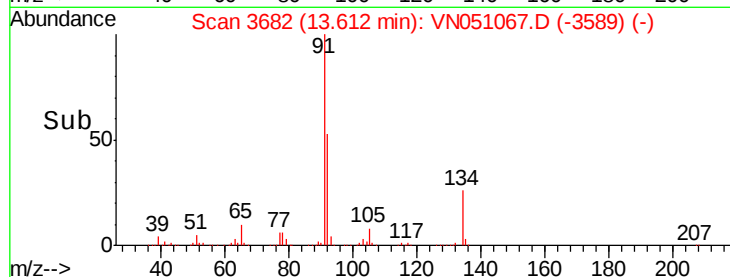


Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051067.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051067.D (-3667) (-)

Time-->

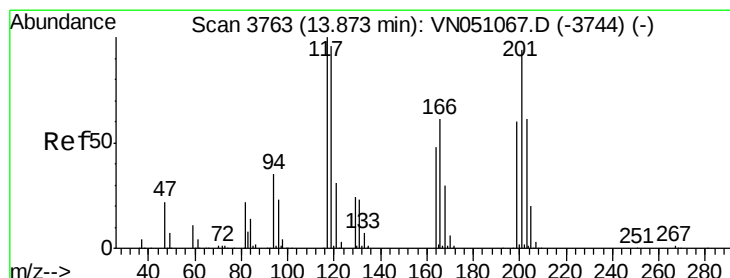


Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN051067.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN051067.D (-3589) (-)

Time-->



#90

Hexachloroethane

Concen: 44.345 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051067.D

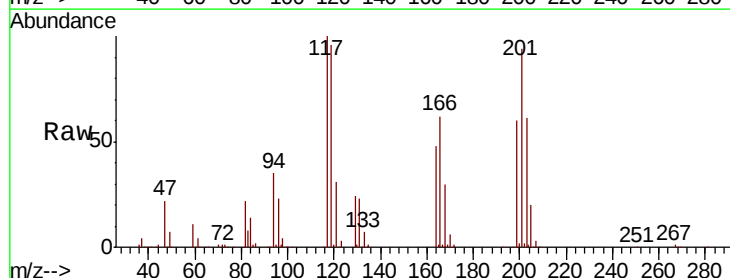
Acq: 10 Sep 2018 9:23

Tgt Ion: 117 Resp: 284981

Ion Ratio Lower Upper

117 100

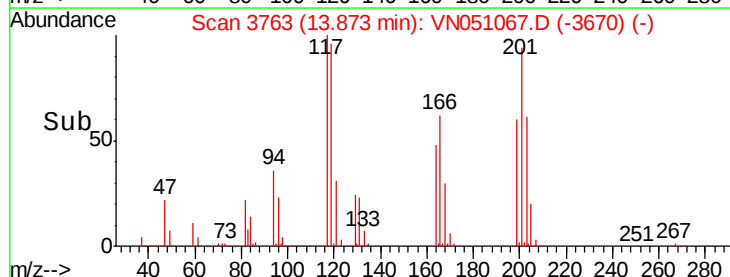
201 94.7 47.3 142.0



Abundance Ion 116.80 (116.50 to 117.50): VN051067.D (-3744) (-)

Ion 200.70 (200.40 to 201.40): VN051067.D (-3744) (-)

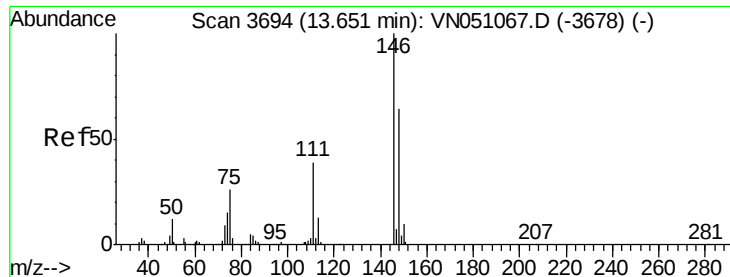
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN051067.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN051067.D (-3670) (-)

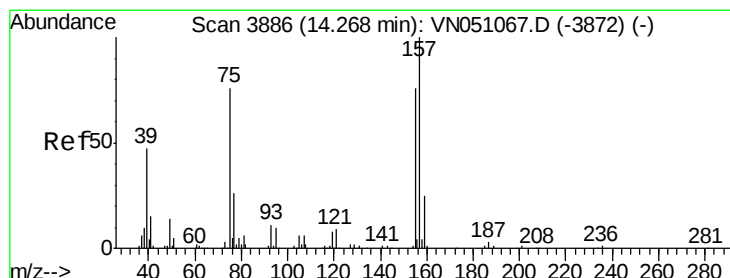
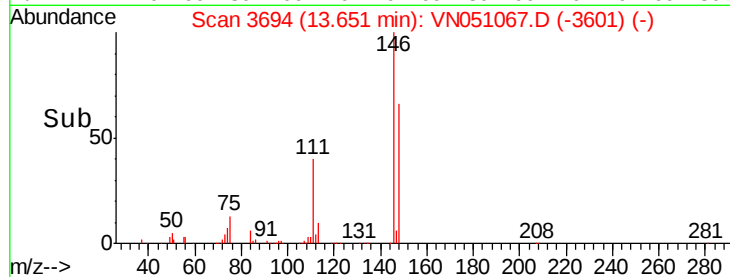
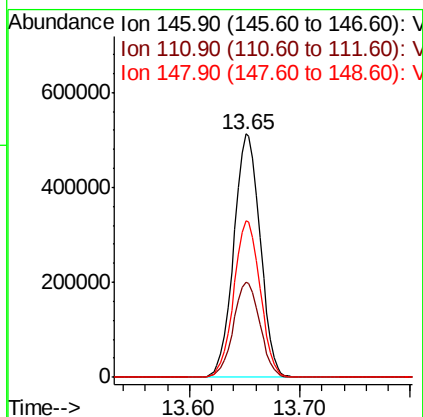
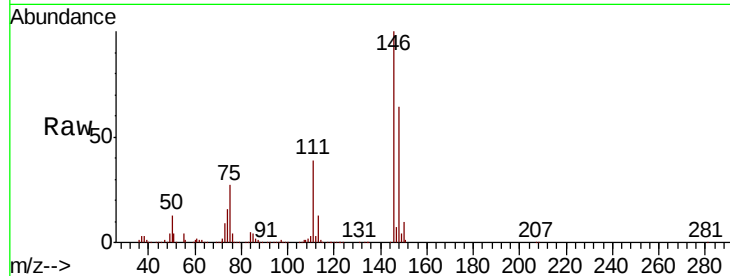
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 47.252 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

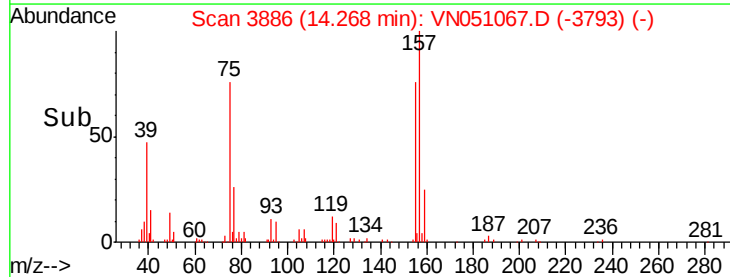
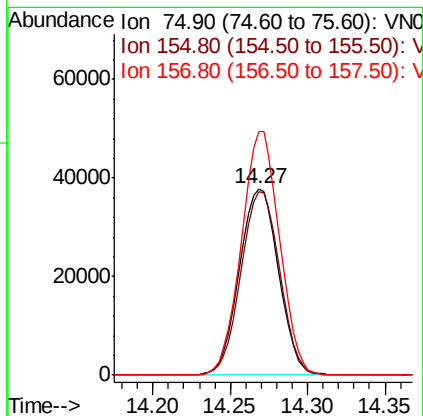
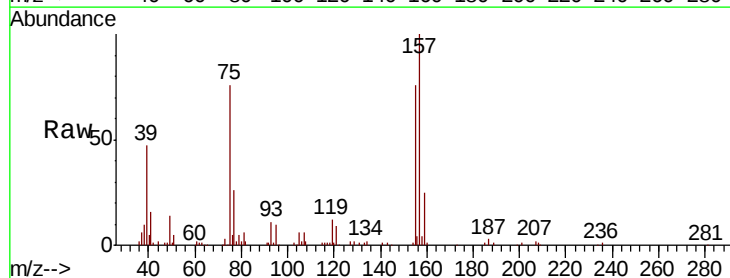
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

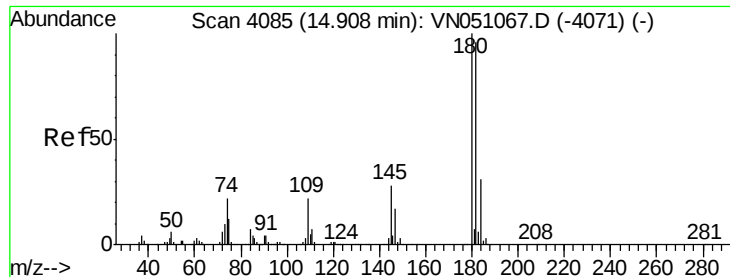
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.2	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.294 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	48.7	146.1
157	127.3	63.6	190.9

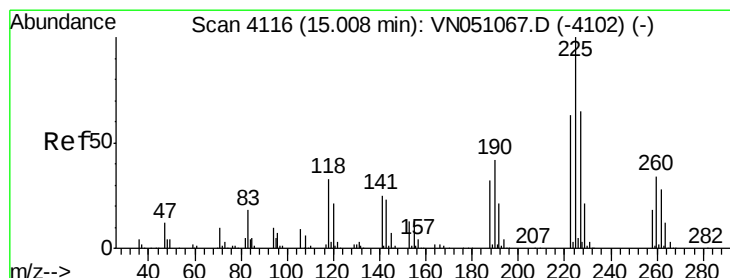
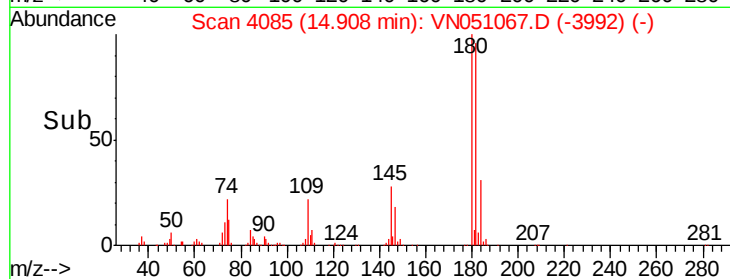
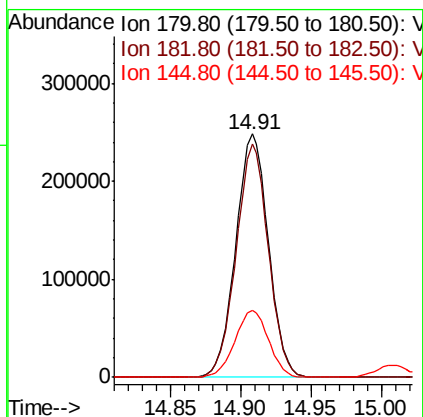
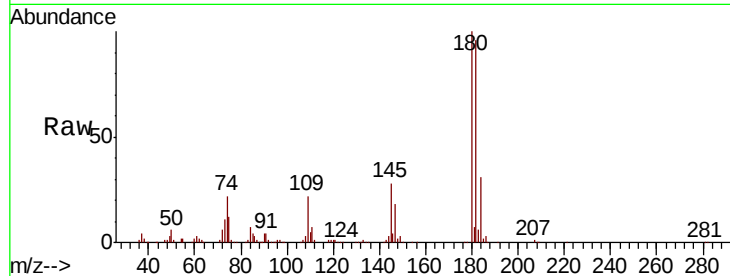




#93
 1,2,4-Trichlorobenzene
 Concen: 51.944 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

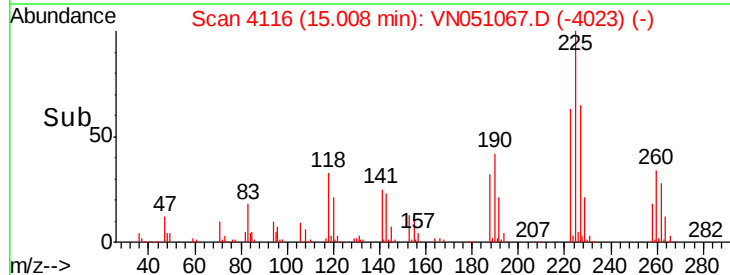
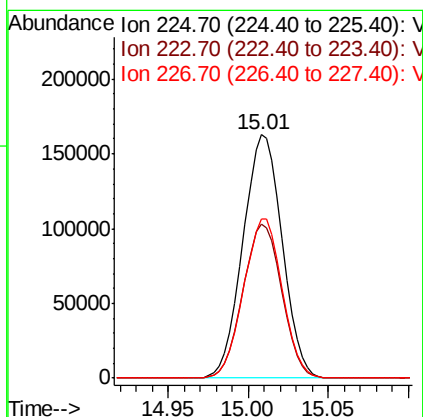
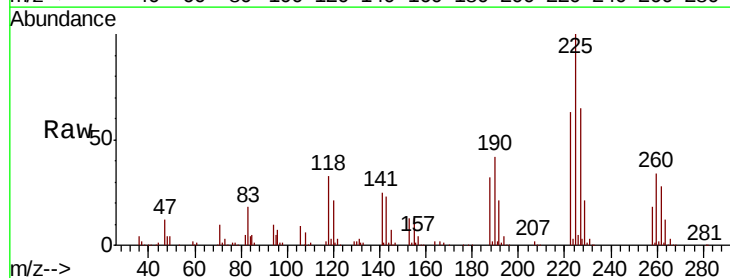
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

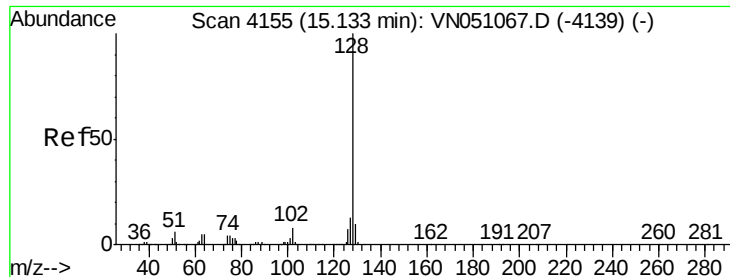
Tgt Ion:180 Resp: 402272
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.3 141.8
 145 28.4 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 43.156 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion:225 Resp: 273549
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.0
 227 64.2 32.1 96.3

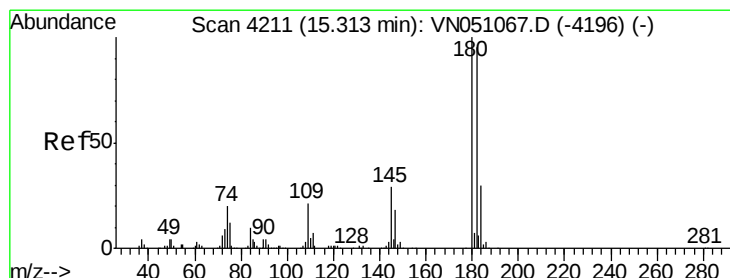
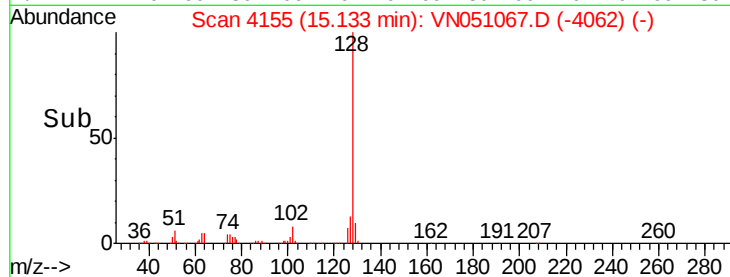
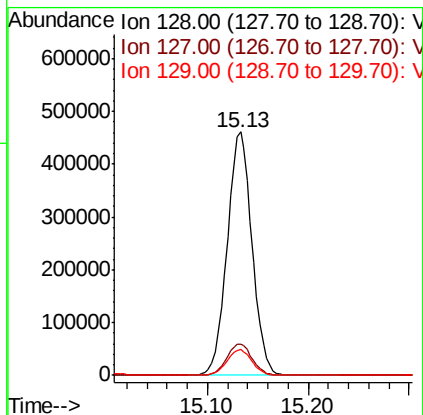
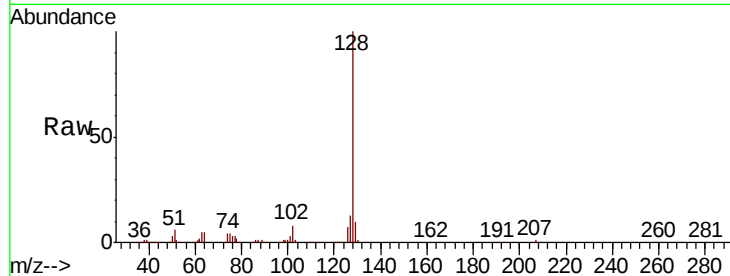




#95
Naphthalene
Concen: 48.062 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 48.996 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	29.2	14.6	43.8

