

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110218\
 Data File : VN052117.D
 Acq On : 2 Nov 2018 9:53
 Operator : MD\SY
 Sample : VN1102WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

Quant Time: Nov 02 23:10:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	340539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	588446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	533132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	233648	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	230854	42.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.48%	
35) Dibromofluoromethane	7.59	113	197017	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
50) Toluene-d8	10.09	98	749582	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.40	95	260273	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	85344	20.618	ug/l	97
3) Chloromethane	2.06	50	94236	18.064	ug/l	97
4) Vinyl Chloride	2.19	62	97720	17.403	ug/l	98
5) Bromomethane	2.57	94	67824	16.102	ug/l	98
6) Chloroethane	2.71	64	61491	16.961	ug/l	93
7) Trichlorofluoromethane	3.02	101	131145	20.452	ug/l	93
8) Diethyl Ether	3.41	74	45786	19.141	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.77	101	78098	20.644	ug/l	96
10) Methyl Iodide	3.95	142	94710	19.104	ug/l	99
11) Tert butyl alcohol	4.79	59	22063	80.625	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	68544	19.187	ug/l	87
13) Acrolein	3.61	56	17463	81.384	ug/l	99
14) Allyl chloride	4.33	41	119823	16.760	ug/l	95
15) Acrylonitrile	4.99	53	140985	90.121	ug/l	99
16) Acetone	3.82	43	108207	92.766	ug/l	94
17) Carbon Disulfide	4.06	76	195454	17.363	ug/l	96
18) Methyl Acetate	4.33	43	69520	18.722	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	207268	17.664	ug/l	99
20) Methylene Chloride	4.55	84	82063	18.463	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	76947	18.890	ug/l	92
22) Diisopropyl ether	5.96	45	260640	16.866	ug/l	98
23) Vinyl Acetate	5.90	43	944380	88.202	ug/l	100
24) 1,1-Dichloroethane	5.85	63	149909	17.349	ug/l	97
25) 2-Butanone	6.84	43	170448	93.165	ug/l	99
26) 2,2-Dichloropropane	6.83	77	119658	17.436	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	89523	18.402	ug/l	95
28) Bromochloromethane	7.20	49	70846	16.544	ug/l	88
29) Tetrahydrofuran	7.22	42	113254	92.917	ug/l	98
30) Chloroform	7.37	83	156537	18.149	ug/l	95
31) Cyclohexane	7.66	56	143833	15.949	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	132240	19.064	ug/l	96
36) 1,1-Dichloropropene	7.79	75	114046	19.060	ug/l	96
37) Ethyl Acetate	6.93	43	76385	19.073	ug/l	98
38) Carbon Tetrachloride	7.78	117	110694	21.456	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140278	19.756	ug/l	98
40) Benzene	8.04	78	348712	20.149	ug/l	95
41) Methacrylonitrile	7.18	41	44096	21.419	ug/l	94
42) 1,2-Dichloroethane	8.13	62	112413	17.601	ug/l	96
43) Isopropyl Acetate	8.17	43	139707	19.613	ug/l	98
44) Trichloroethene	8.84	130	81906	21.162	ug/l	97
45) 1,2-Dichloropropane	9.12	63	90127	18.281	ug/l	98
46) Dibromomethane	9.21	93	55365	20.093	ug/l	92
47) Bromodichloromethane	9.40	83	114787	19.974	ug/l	98
48) Methyl methacrylate	9.20	41	69831	19.336	ug/l	99
49) 1,4-Dioxane	9.20	88	10555	364.887	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	388567	100.364	ug/l	99
52) Toluene	10.16	92	211653	20.259	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	114275	18.809	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	129300	19.163	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	75914	20.402	ug/l	97
56) Ethyl methacrylate	10.43	69	97231	18.267	ug/l	98
57) 1,3-Dichloropropane	10.71	76	133202	19.455	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	275785	97.409	ug/l	95
59) 2-Hexanone	10.75	43	265137	96.100	ug/l	98
60) Dibromochloromethane	10.90	129	79683	21.752	ug/l	100
61) 1,2-Dibromoethane	11.01	107	76428	20.661	ug/l	97
64) Tetrachloroethene	10.63	164	70252	21.751	ug/l	98
65) Chlorobenzene	11.43	112	230275	20.507	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	77709	22.040	ug/l	96
67) Ethyl Benzene	11.51	91	404536	20.202	ug/l	97
68) m/p-Xylenes	11.62	106	312008	43.531	ug/l	94
69) o-Xylene	11.95	106	148259	20.904	ug/l	97
70) Styrene	11.96	104	243167	21.190	ug/l	96
71) Bromoform	12.13	173	43036	20.344	ug/l #	98
73) Isopropylbenzene	12.25	105	393465	19.693	ug/l	99
74) N-amyl acetate	12.07	43	119614	17.154	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	97556	20.362	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	116120	27.150	ug/l #	100
77) Bromobenzene	12.53	156	89378	21.380	ug/l	84
78) n-propylbenzene	12.59	91	470121	19.418	ug/l	98
79) 2-Chlorotoluene	12.67	91	265535	18.814	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	324396	19.952	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	23566	18.288	ug/l	98
82) 4-Chlorotoluene	12.77	91	278080	19.322	ug/l	96
83) tert-Butylbenzene	12.99	119	280626	20.546	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	324125	20.028	ug/l	98
85) sec-Butylbenzene	13.17	105	387062	19.838	ug/l	97
86) p-Isopropyltoluene	13.29	119	327769	20.627	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	161492	21.182	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	157432	20.603	ug/l	99
89) n-Butylbenzene	13.62	91	286299	18.893	ug/l	99
90) Hexachloroethane	13.88	117	52716	19.359	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	152291	21.246	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12470	18.644	ug/l	87

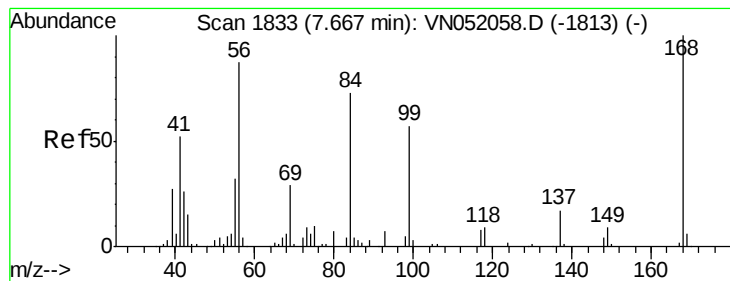
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	59700	22.367	ug/l	98
94) Hexachlorobutadiene	15.01	225	33464	22.401	ug/l	99
95) Naphthalene	15.13	128	144324	21.558	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	53691	23.311	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

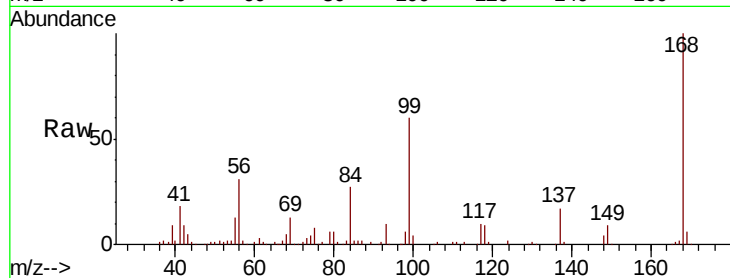
VN1102WBS01

Tot Ion:168 Resp: 340539

Ion Ratio Lower Upper

168 100

99 60.0 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

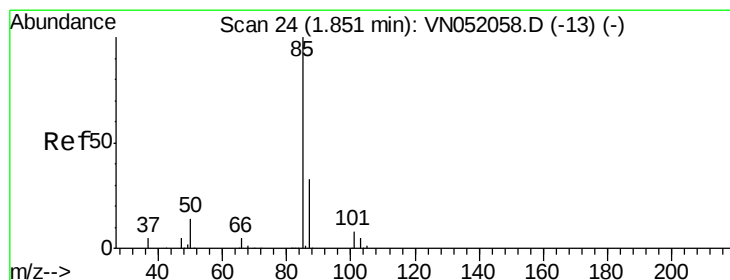
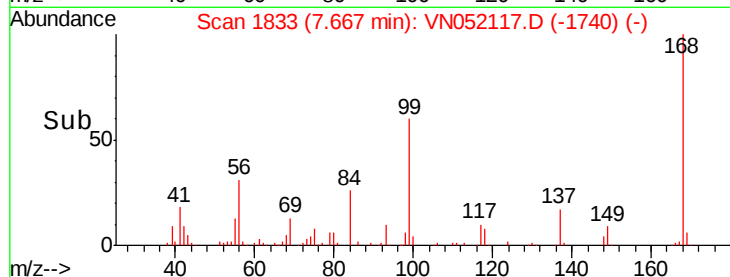
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.618 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052117.D

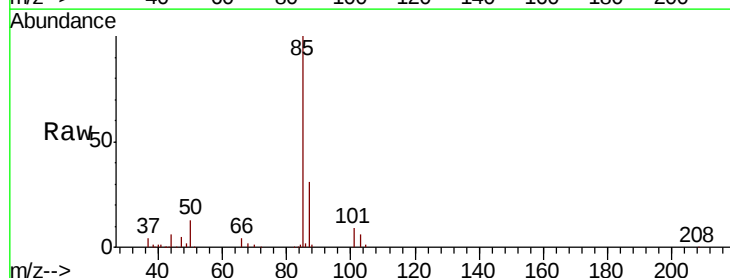
Acq: 2 Nov 2018 9:53

Tgt Ion: 85 Resp: 85344

Ion Ratio Lower Upper

85 100

87 30.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

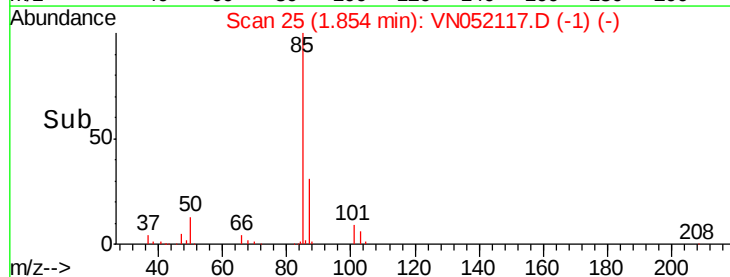
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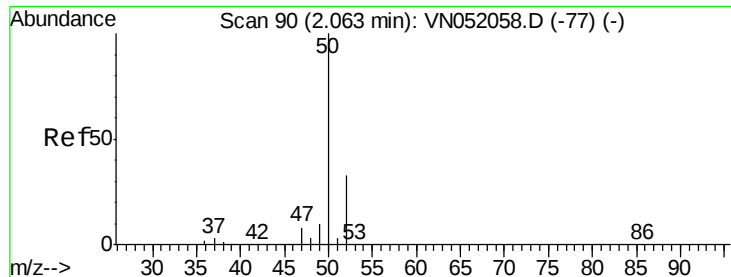
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.064 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

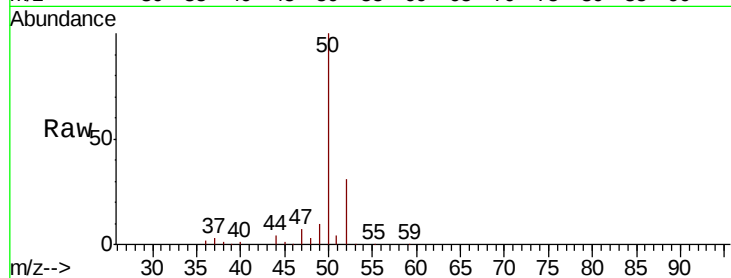
VN1102WBS01

Tot Ion: 50 Resp: 94236

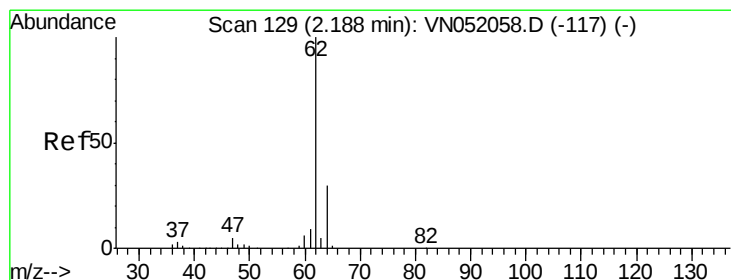
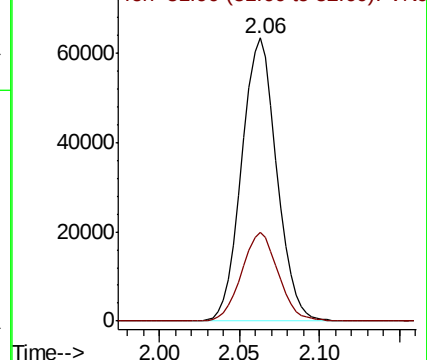
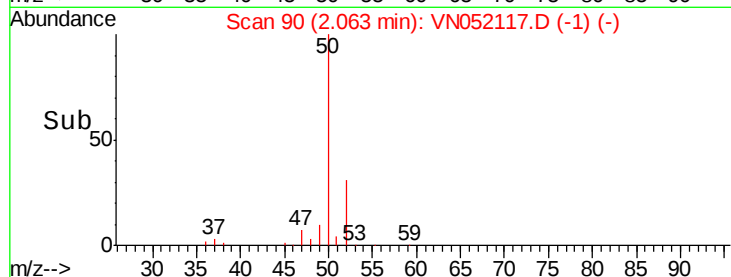
Ion Ratio Lower Upper

50 100

52 31.5 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN052117.D (-1) (-)



#4

Vinyl Chloride

Concen: 17.403 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052117.D

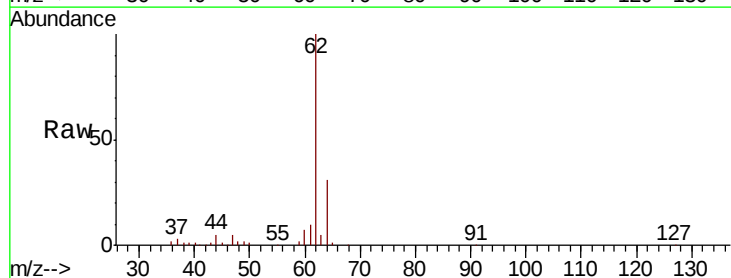
Acq: 2 Nov 2018 9:53

Tgt Ion: 62 Resp: 97720

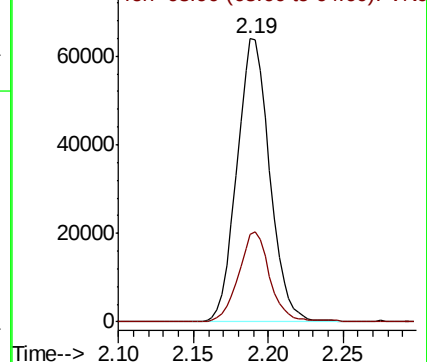
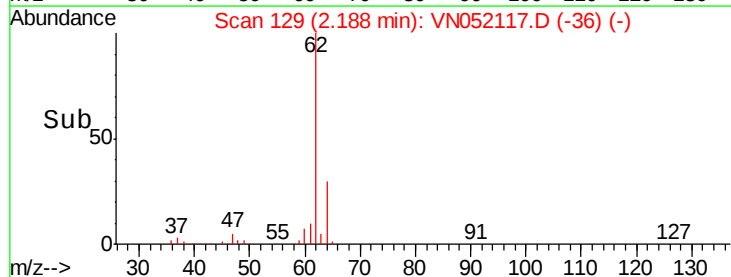
Ion Ratio Lower Upper

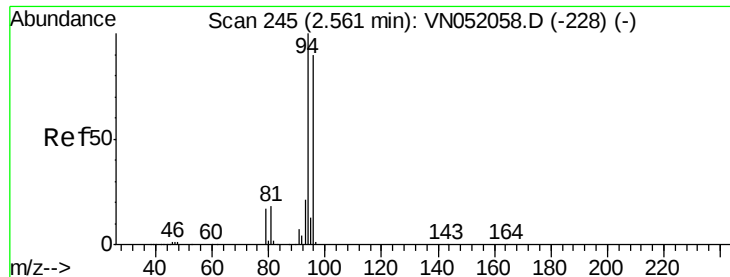
62 100

64 30.7 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VN052117.D (-36) (-)





#5

Bromomethane

Concen: 16.102 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

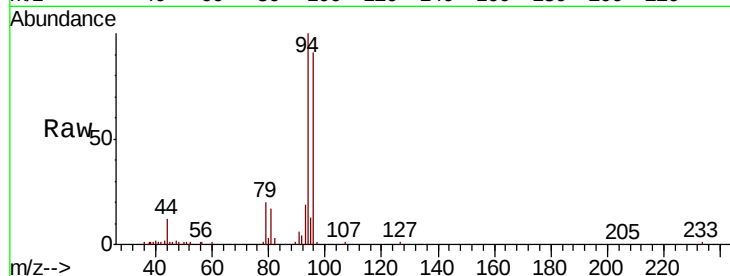
VN1102WBS01

Tot Ion: 94 Resp: 67824

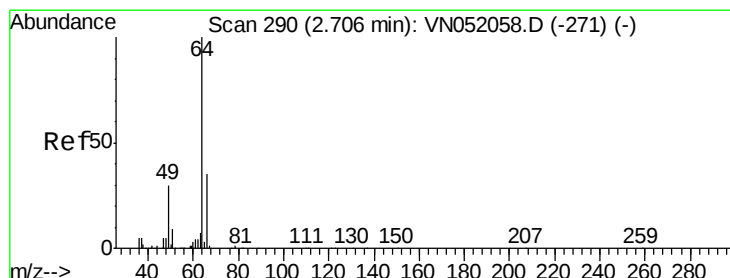
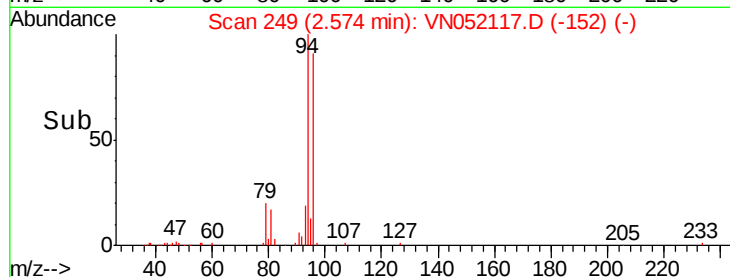
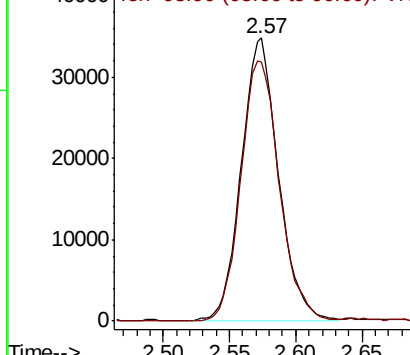
Ion Ratio Lower Upper

94 100

96 91.5 71.8 107.6



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



#6

Chloroethane

Concen: 16.961 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052117.D

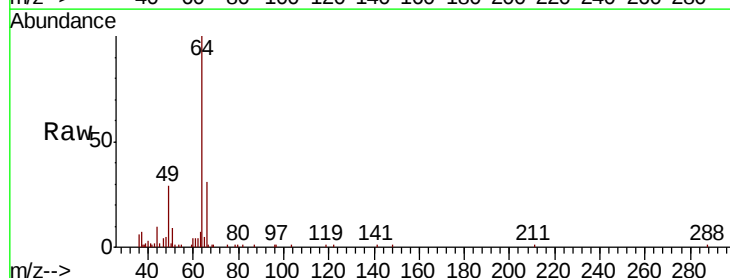
Acq: 2 Nov 2018 9:53

Tgt Ion: 64 Resp: 61491

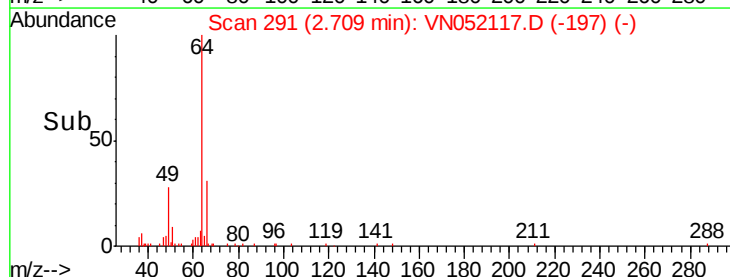
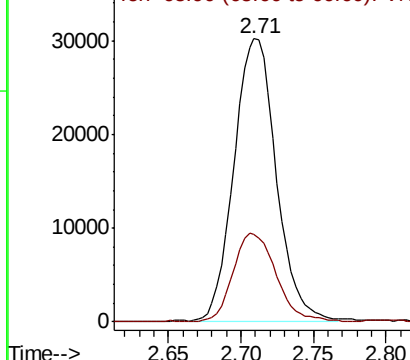
Ion Ratio Lower Upper

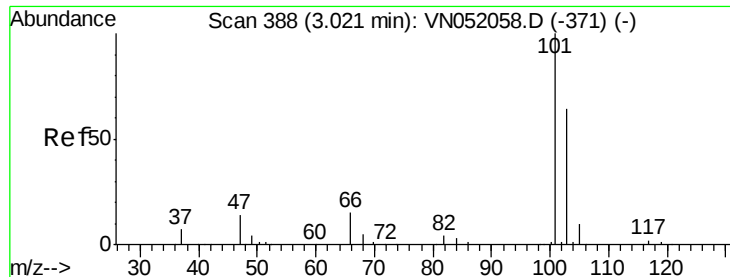
64 100

66 30.7 27.9 41.9



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



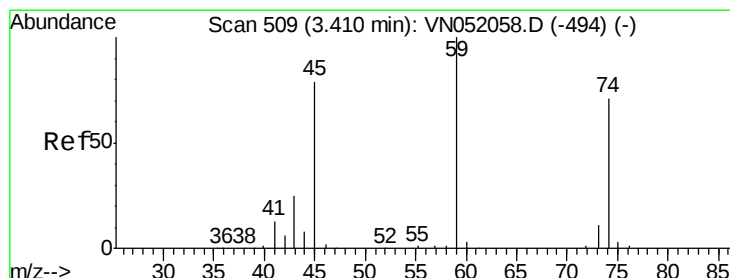
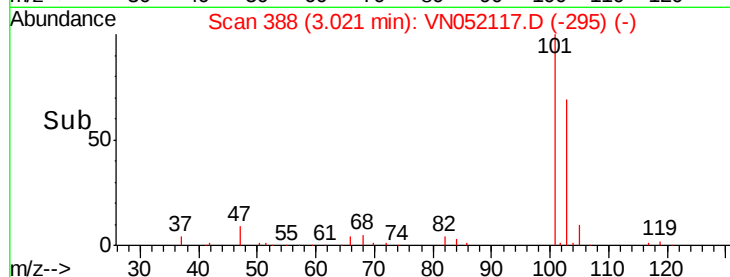
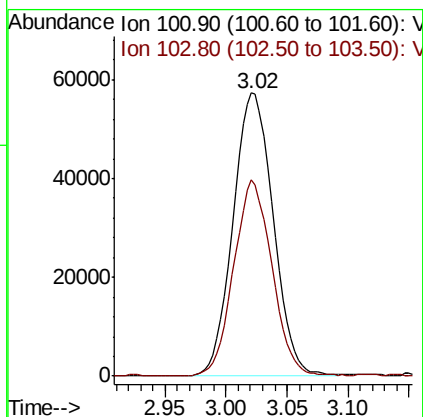
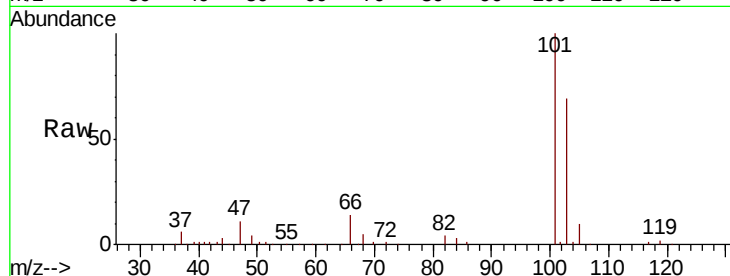


#7

Trichlorofluoromethane
 Concen: 20.452 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Instrument :
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 VN1102WBS01

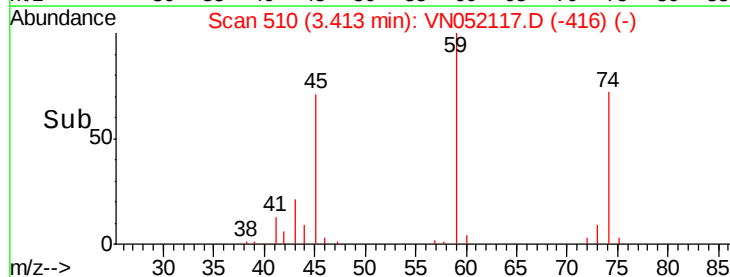
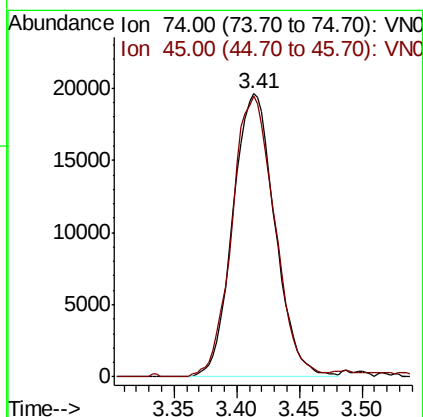
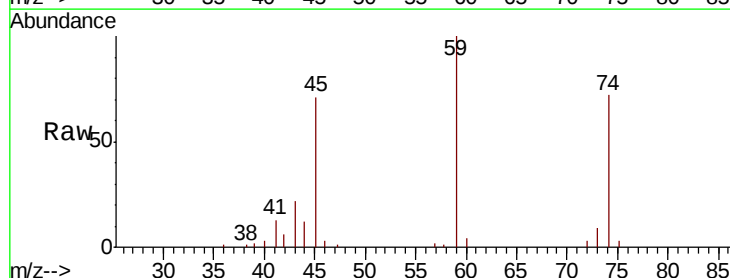
Tot Ion:101 Resp: 131145
 Ion Ratio Lower Upper
 101 100
 103 69.3 51.0 76.4

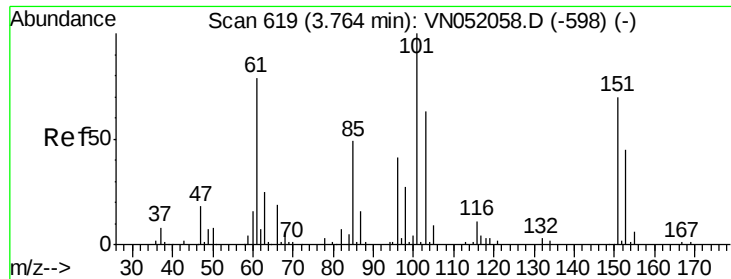


#8

Diethyl Ether
 Concen: 19.141 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Tgt Ion: 74 Resp: 45786
 Ion Ratio Lower Upper
 74 100
 45 100.5 55.6 166.8

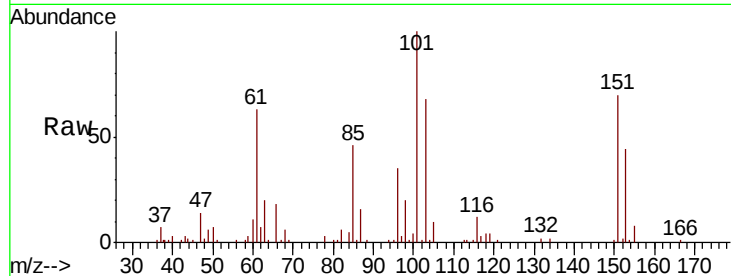




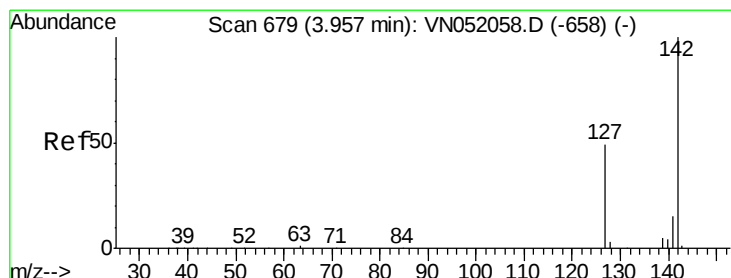
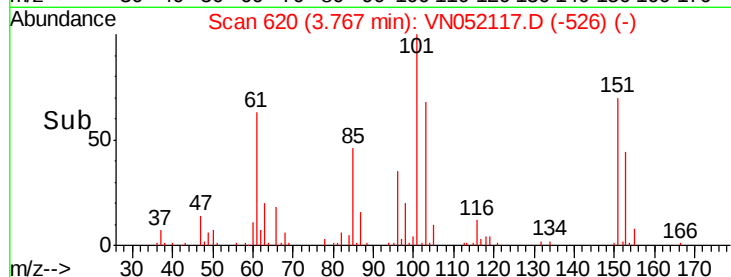
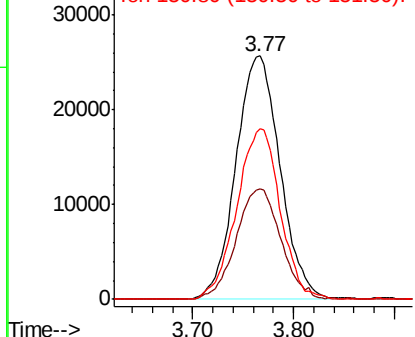
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.644 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

Tot Ion:101 Resp: 78098
 Ion Ratio Lower Upper
 101 100
 85 45.9 38.6 58.0
 151 68.8 52.6 78.8

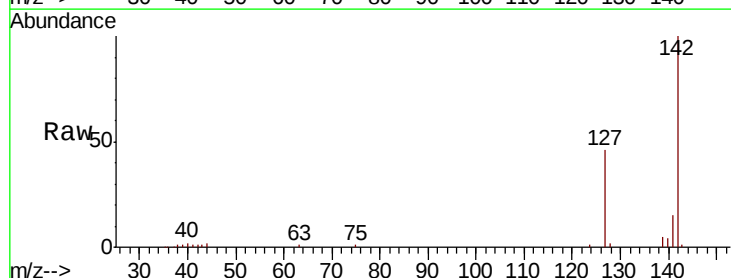


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

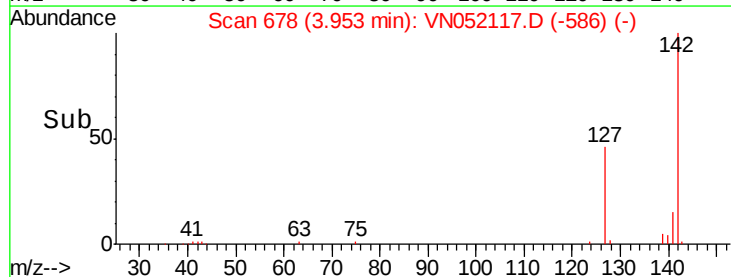
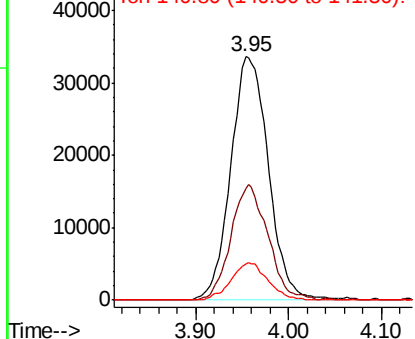


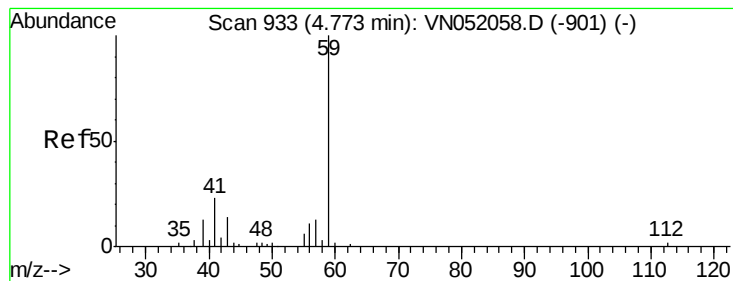
#10
 Methyl Iodide
 Concen: 19.104 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Tgt Ion:142 Resp: 94710
 Ion Ratio Lower Upper
 142 100
 127 46.4 37.3 55.9
 141 15.0 11.4 17.2



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



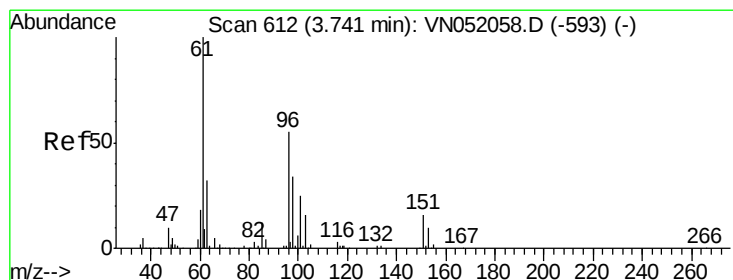
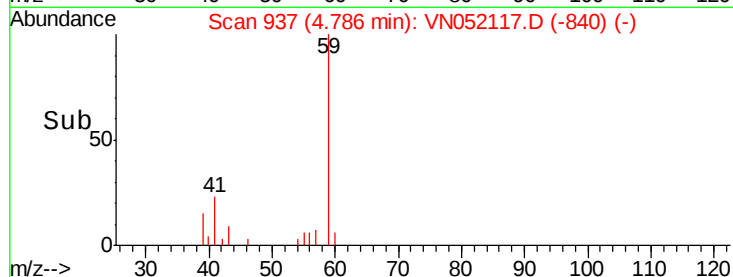
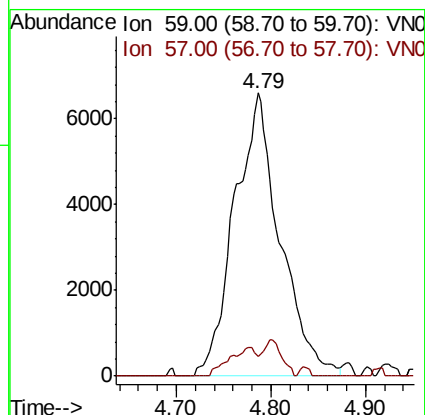
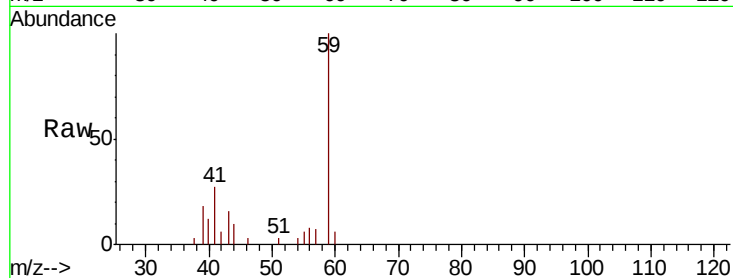


#11

Tert butyl alcohol
 Concen: 80.625 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

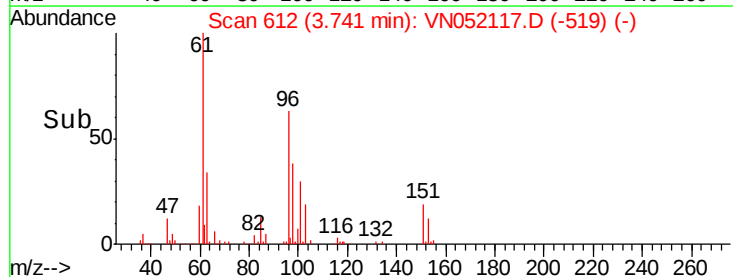
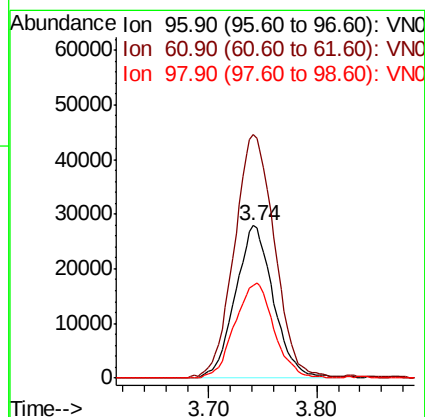
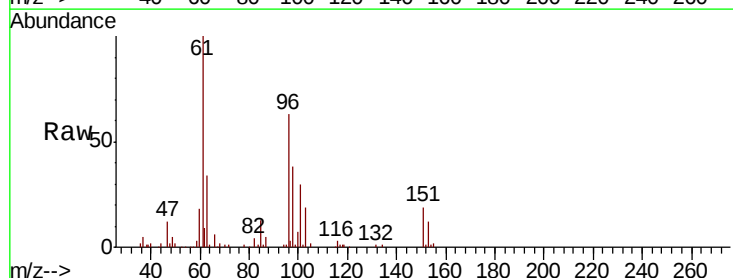
Tot Ion: 59 Resp: 22063
 Ion Ratio Lower Upper
 59 100
 57 6.1 7.0 10.6#

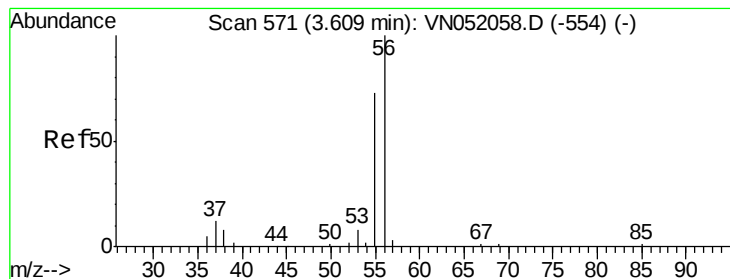


#12

1,1-Dichloroethene
 Concen: 19.187 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Tgt Ion: 96 Resp: 68544
 Ion Ratio Lower Upper
 96 100
 61 158.8 145.7 218.5
 98 60.9 49.8 74.8





#13

Acrolein

Concen: 81.384 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

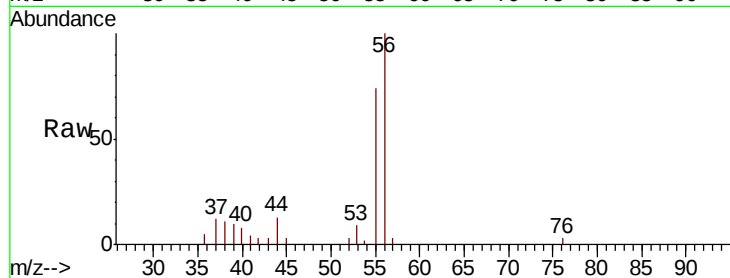
VN1102WBS01

Tot Ion: 56 Resp: 17463

Ion Ratio Lower Upper

56 100

55 75.9 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN052117.D (-478) (-)

Ion 55.00 (54.70 to 55.70): VN052117.D (-478) (-)

3.61

6000

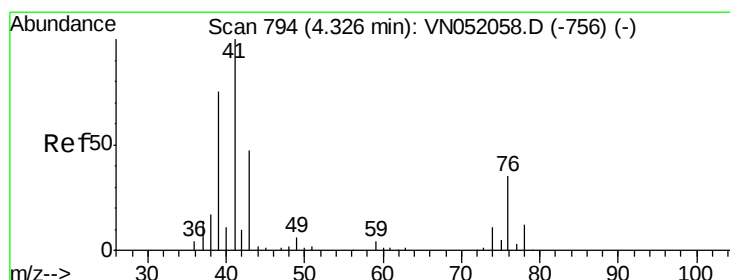
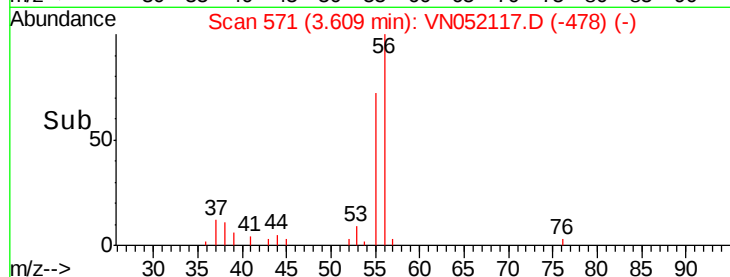
4000

2000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 16.760 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

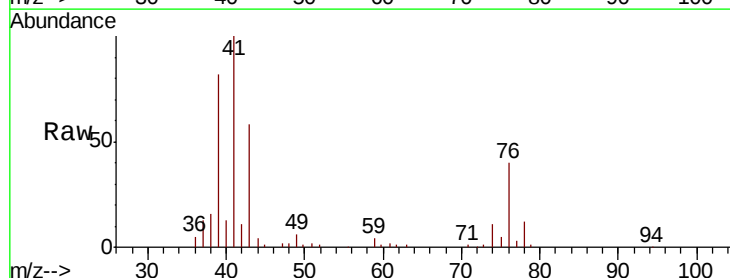
Tgt Ion: 41 Resp: 119823

Ion Ratio Lower Upper

41 100

39 75.4 58.1 87.1

76 37.3 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VN052117.D (-701) (-)

Ion 39.00 (38.70 to 39.70): VN052117.D (-701) (-)

Ion 75.90 (75.60 to 76.60): VN052117.D (-701) (-)

4.33

50000

40000

30000

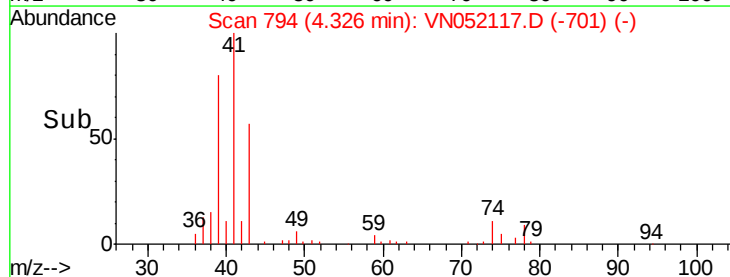
20000

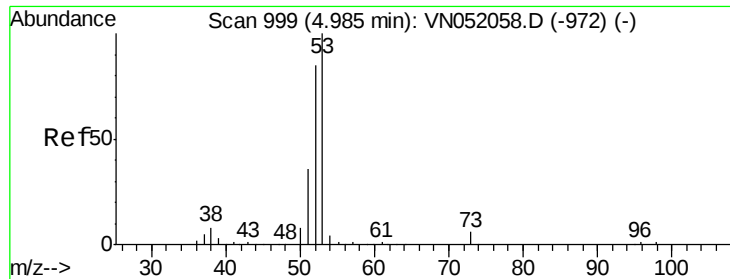
10000

0

4.20 4.30 4.40

Time-->

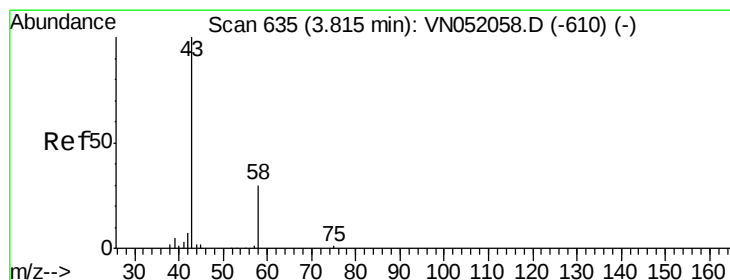
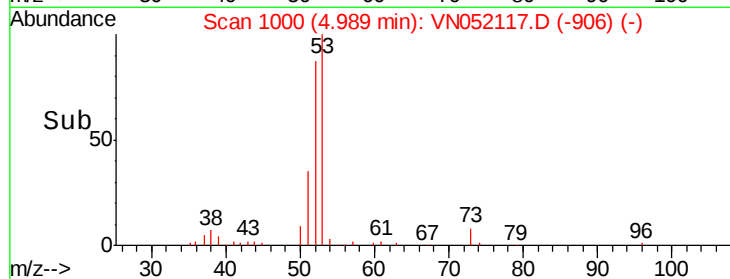
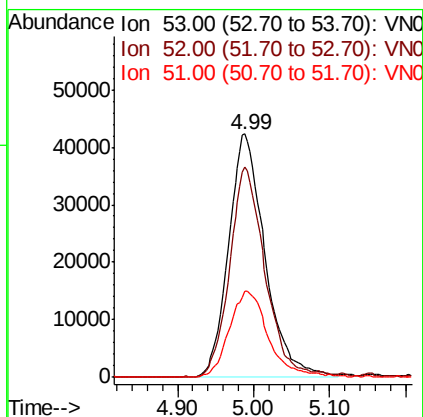
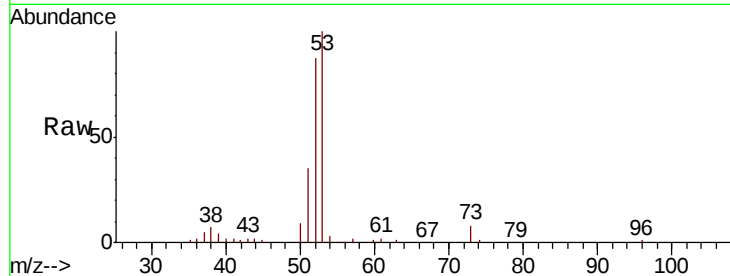




#15
 Acrylonitrile
 Concen: 90.121 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

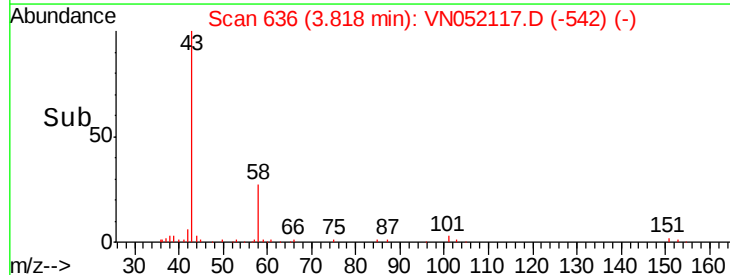
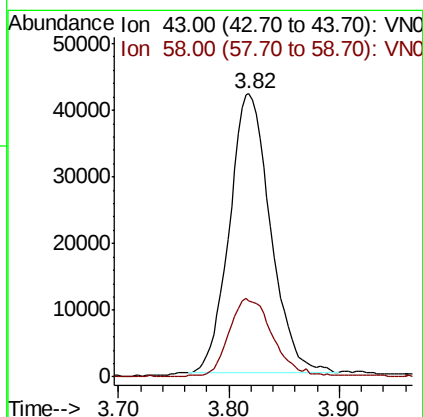
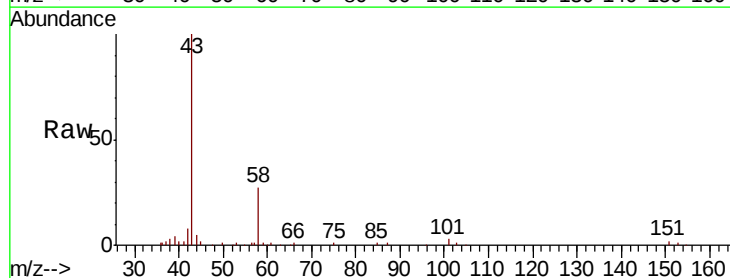
Instrument :
 MSVOA_N
 ClientSampled :
 VN1102WBS01

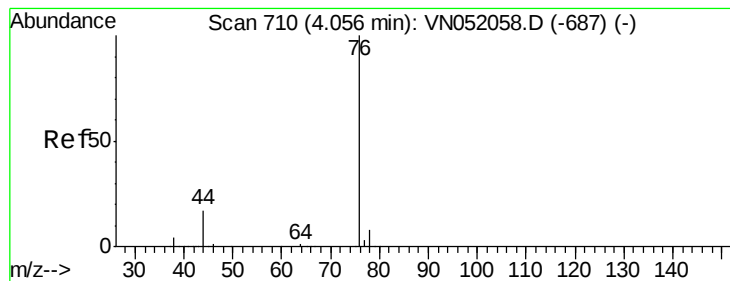
Tot Ion: 53 Resp: 140985
 Ion Ratio Lower Upper
 53 100
 52 83.3 66.6 100.0
 51 37.7 29.0 43.6



#16
 Acetone
 Concen: 92.766 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Tgt Ion: 43 Resp: 108207
 Ion Ratio Lower Upper
 43 100
 58 26.8 24.2 36.2





#17

Carbon Disulfide

Concen: 17.363 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

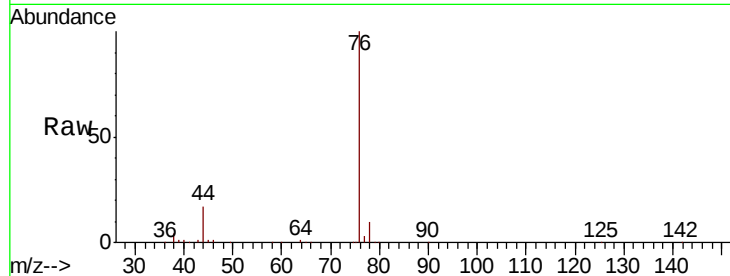
VN1102WBS01

Tot Ion: 76 Resp: 195454

Ion Ratio Lower Upper

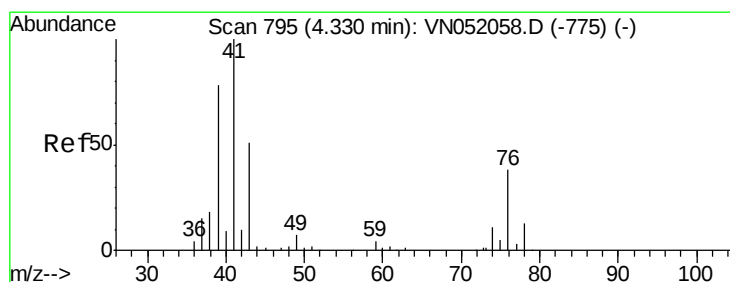
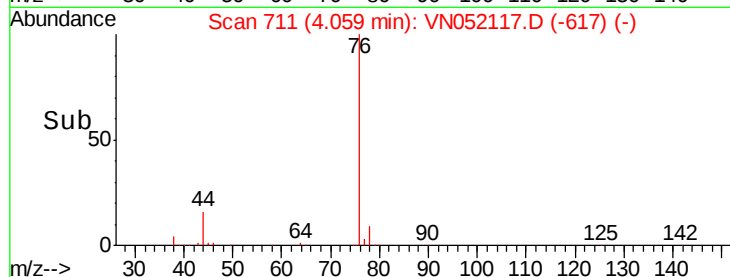
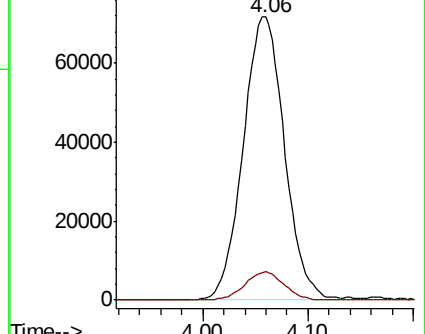
76 100

78 9.9 6.8 10.2



Abundance Ion 75.90 (75.60 to 76.60): VN052058.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052058.D (-687) (-)



#18

Methyl Acetate

Concen: 18.722 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052117.D

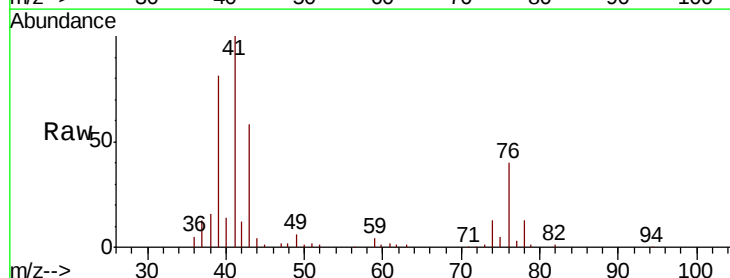
Acq: 2 Nov 2018 9:53

Tgt Ion: 43 Resp: 69520

Ion Ratio Lower Upper

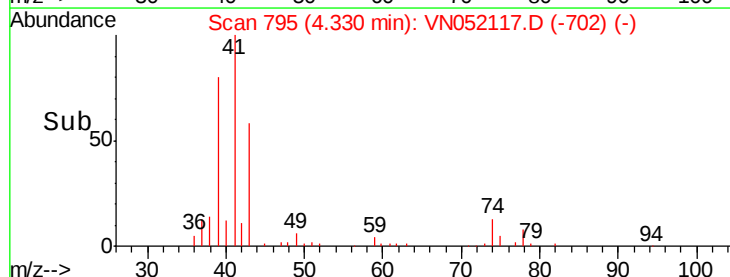
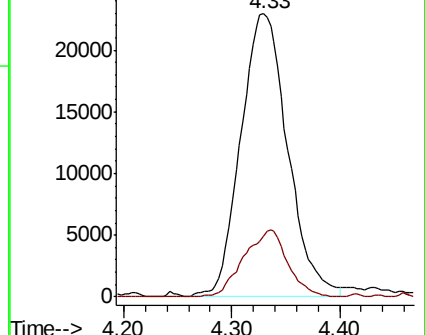
43 100

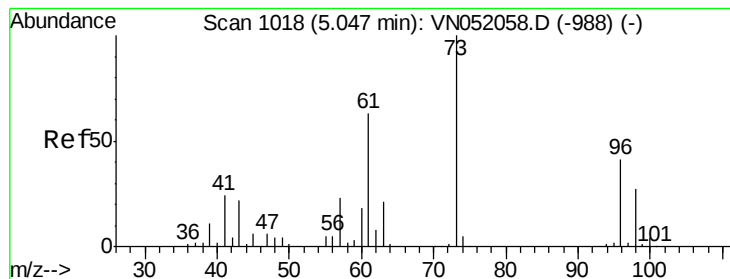
74 22.0 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-775) (-)

Ion 74.00 (73.70 to 74.70): VN052058.D (-775) (-)



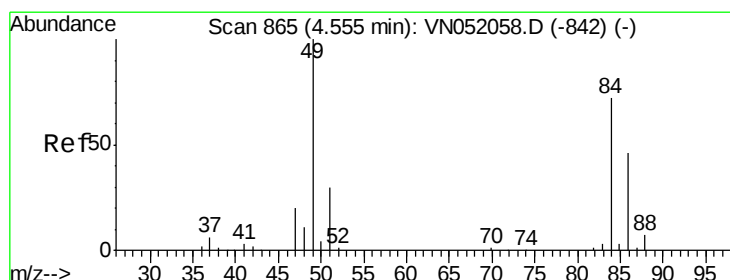
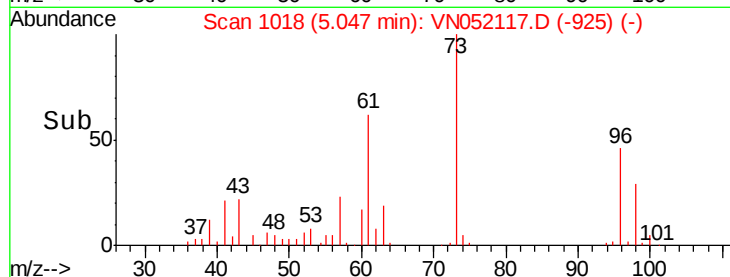
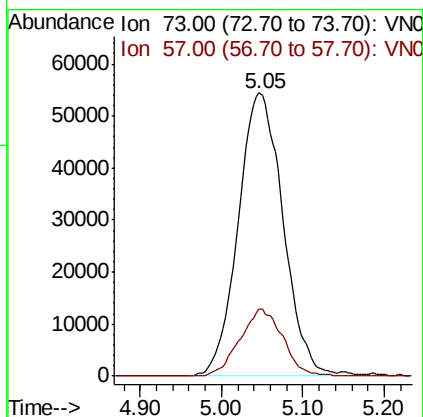
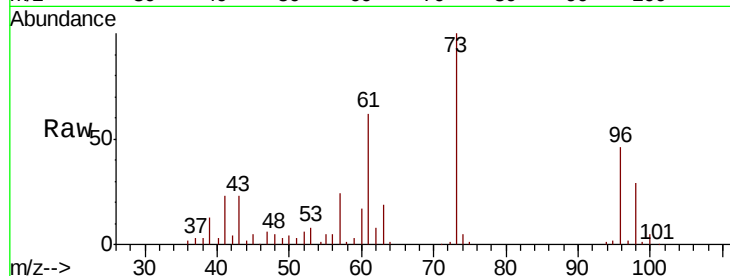


#19

Methyl tert-butyl Ether
 Concen: 17.664 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN1102WBS01

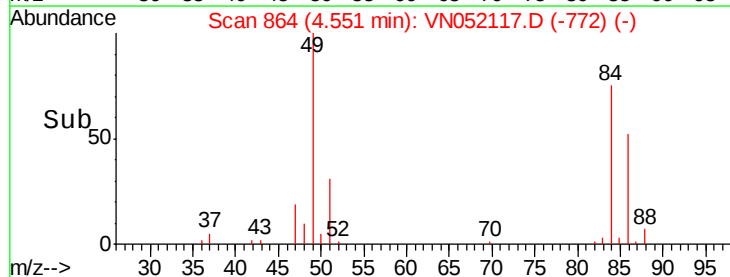
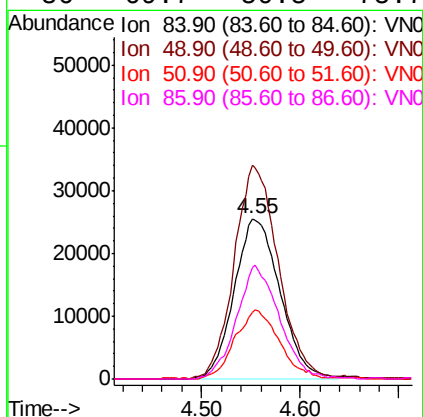
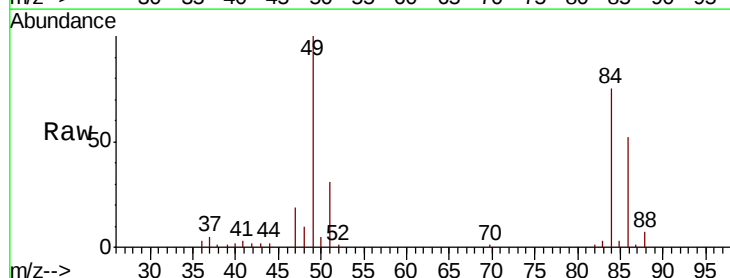
Tot Ion: 73 Resp: 207268
 Ion Ratio Lower Upper
 73 100
 57 23.8 18.7 28.1

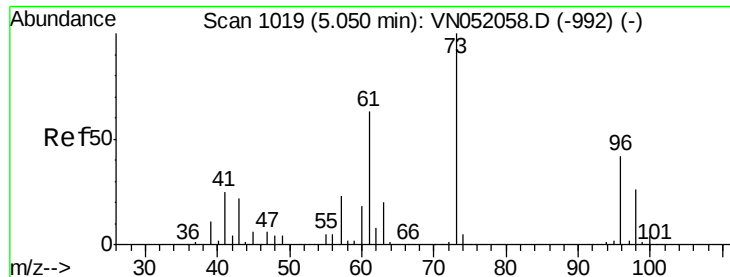


#20

Methylene Chloride
 Concen: 18.463 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Tgt Ion: 84 Resp: 82063
 Ion Ratio Lower Upper
 84 100
 49 133.2 110.6 165.8
 51 41.9 33.7 50.5
 86 69.7 50.5 75.7

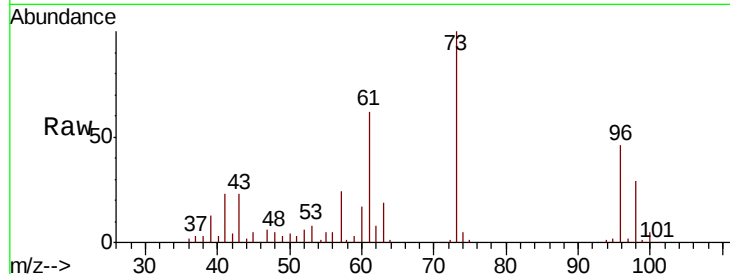




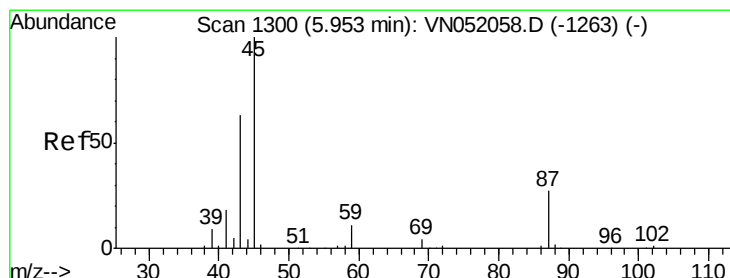
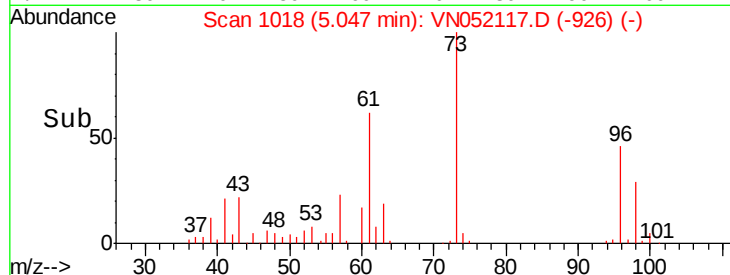
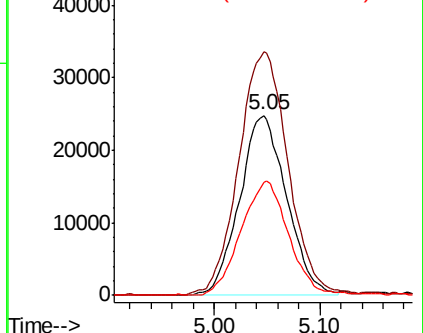
#21
trans-1,2-Dichloroethene
Concen: 18.890 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

Tot Ion: 96 Resp: 76947
Ion Ratio Lower Upper
96 100
61 134.4 118.6 178.0
98 62.6 49.7 74.5

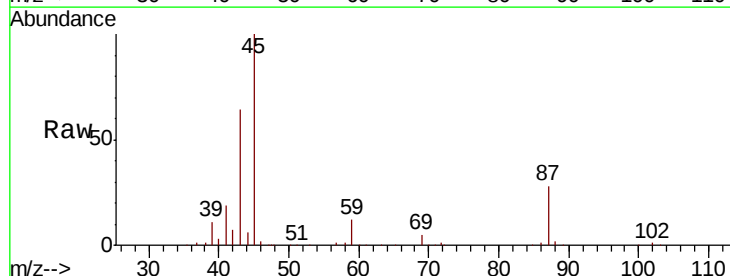


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

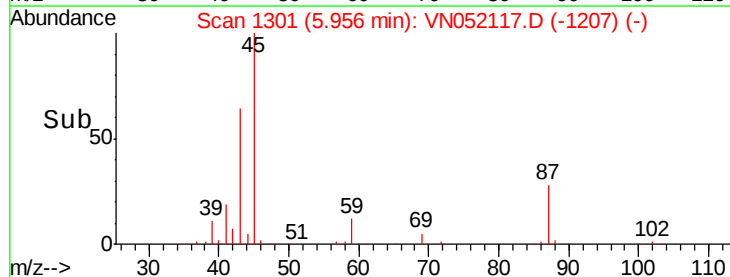
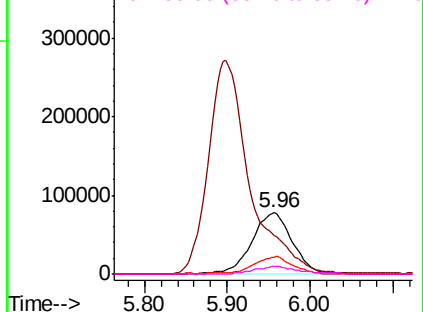


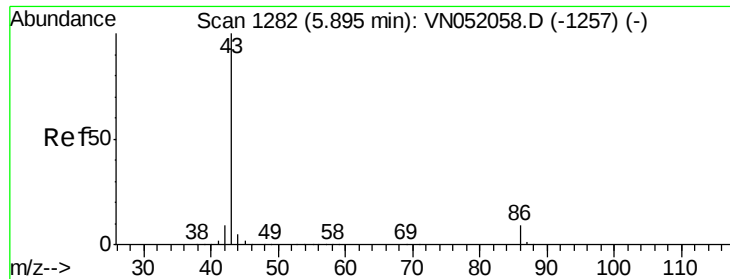
#22
Diisopropyl ether
Concen: 16.866 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

Tgt Ion: 45 Resp: 260640
Ion Ratio Lower Upper
45 100
43 61.1 50.5 75.7
87 27.6 21.5 32.3
59 11.7 8.6 13.0



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

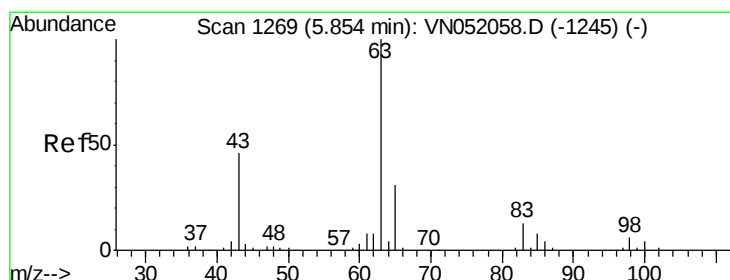
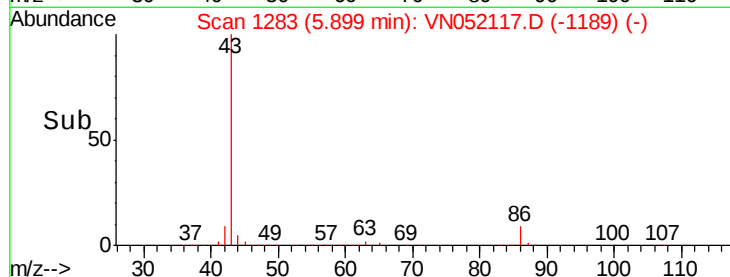
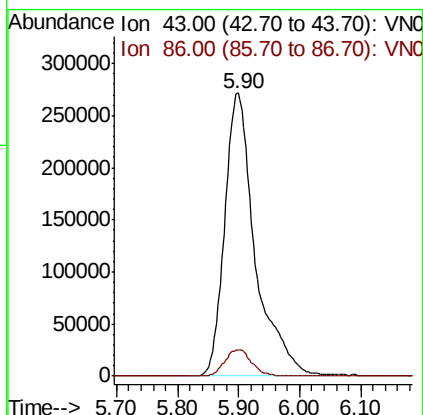
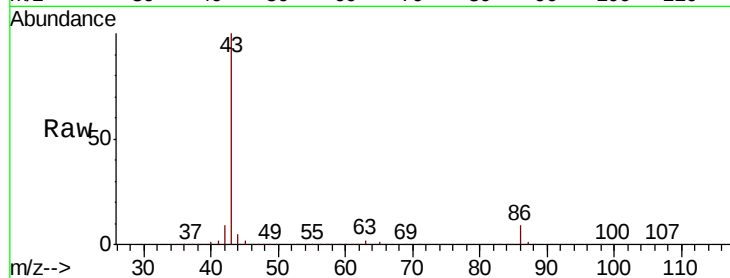




#23
 Vinyl Acetate
 Concen: 88.202 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

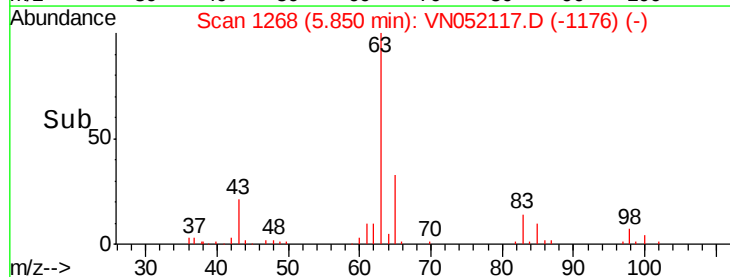
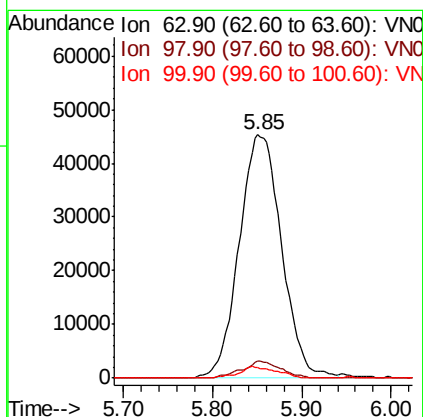
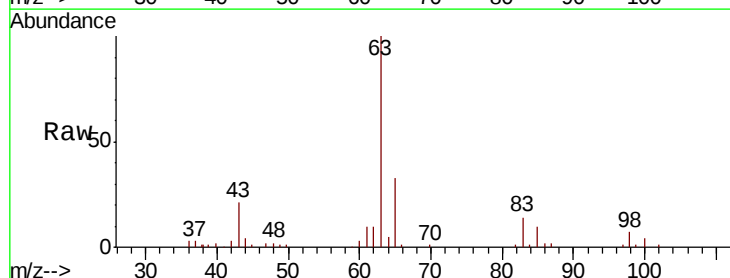
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

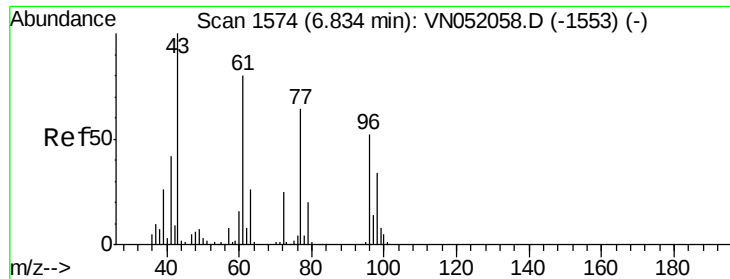
Tot Ion: 43 Resp: 944380
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.3 10.9



#24
 1,1-Dichloroethane
 Concen: 17.349 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Tgt Ion: 63 Resp: 149909
 Ion Ratio Lower Upper
 63 100
 98 7.2 2.8 8.4
 100 4.3 2.0 6.0





#25

2-Butanone

Concen: 93.165 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

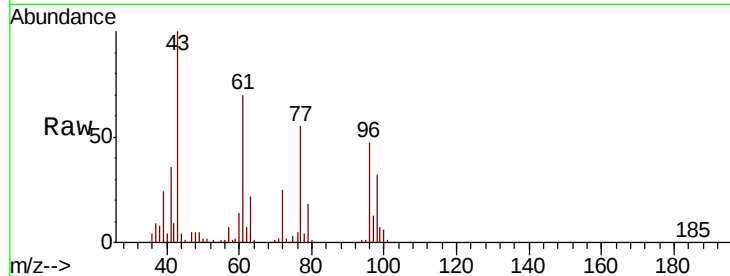
VN1102WBS01

Tot Ion: 43 Resp: 170448

Ion Ratio Lower Upper

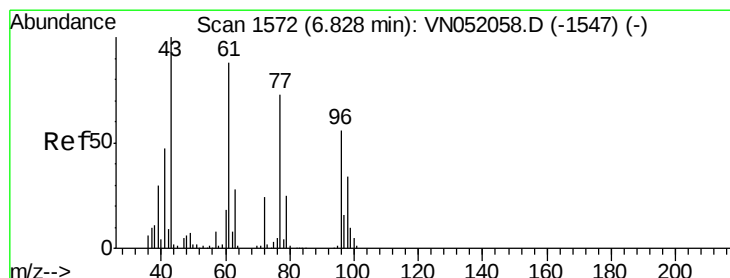
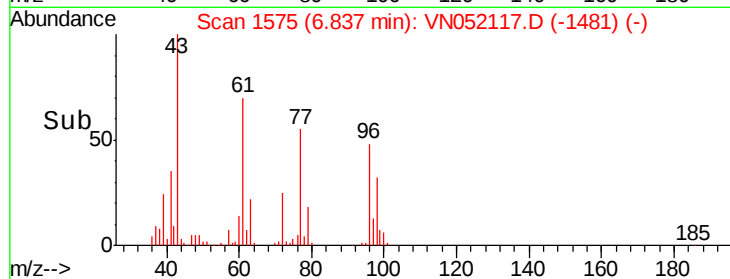
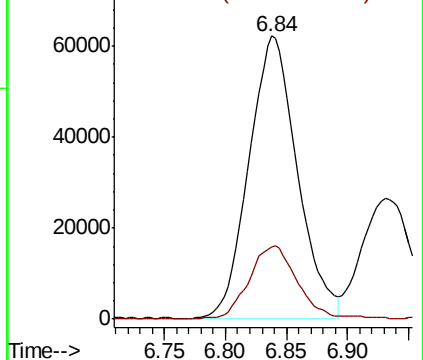
43 100

72 25.5 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.436 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052117.D

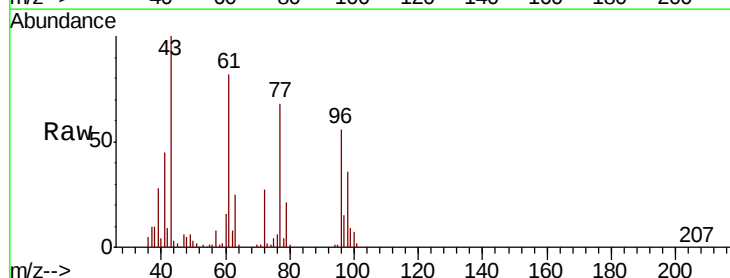
Acq: 2 Nov 2018 9:53

Tgt Ion: 77 Resp: 119658

Ion Ratio Lower Upper

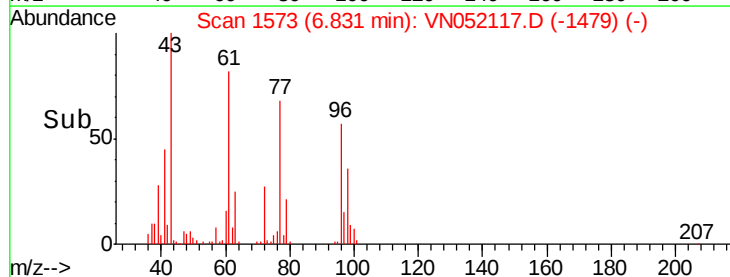
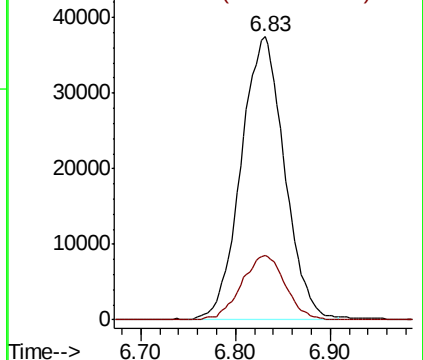
77 100

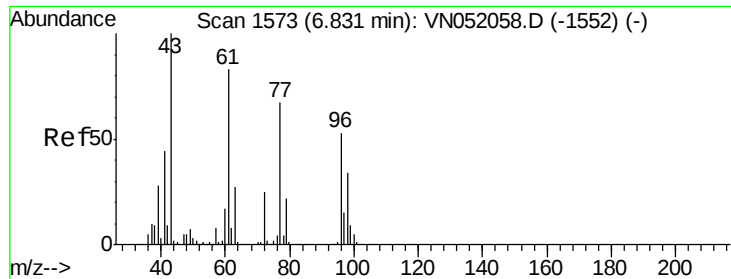
97 22.8 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 18.402 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

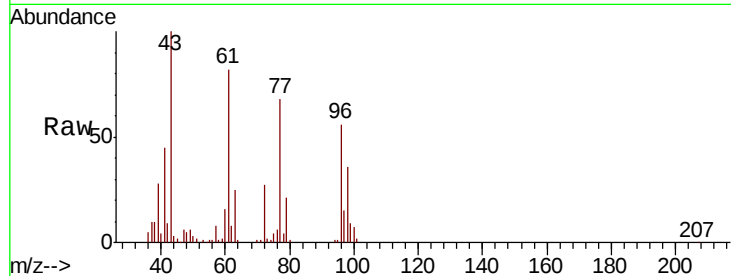
Tot Ion: 96 Resp: 89523

Ion Ratio Lower Upper

96 100

61 148.4 0.0 312.8

98 65.2 0.0 127.0

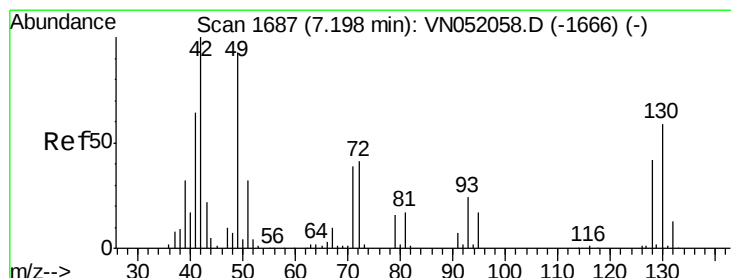
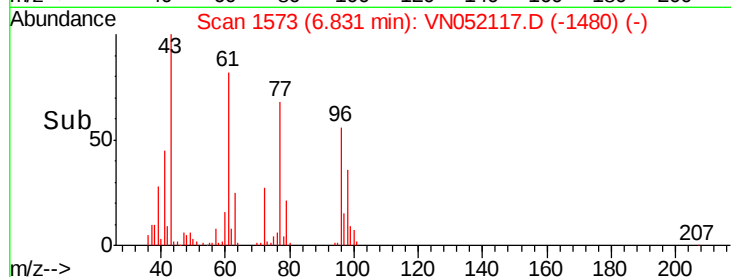
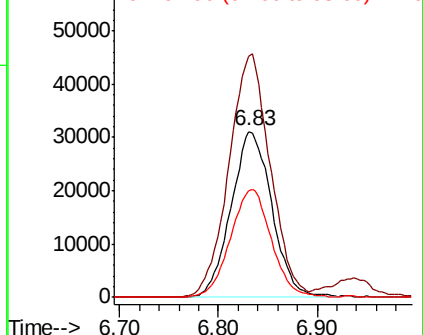


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 16.544 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

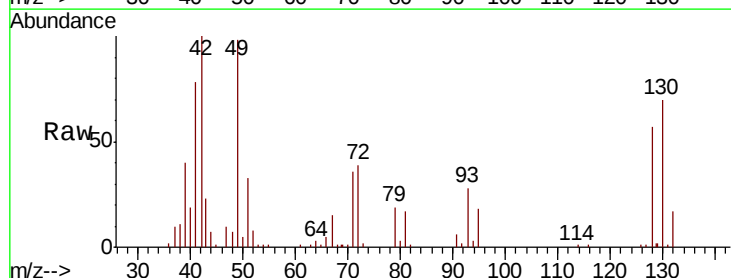
Tgt Ion: 49 Resp: 70846

Ion Ratio Lower Upper

49 100

129 1.6 0.0 2.4

130 72.7 50.8 76.2

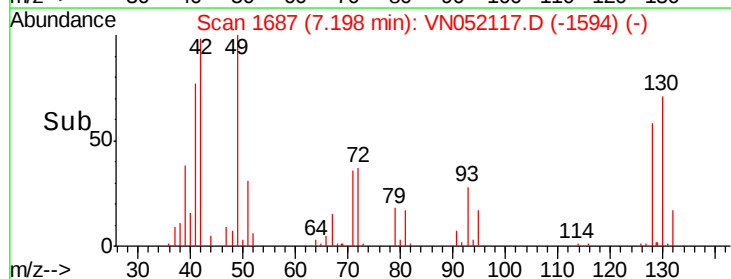
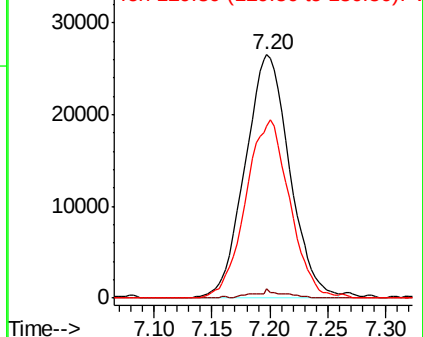


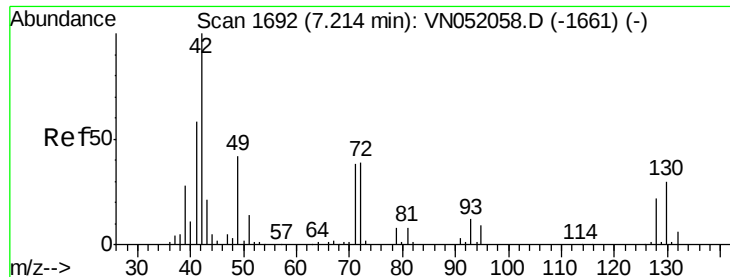
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 92.917 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampled :

VN1102WBS01

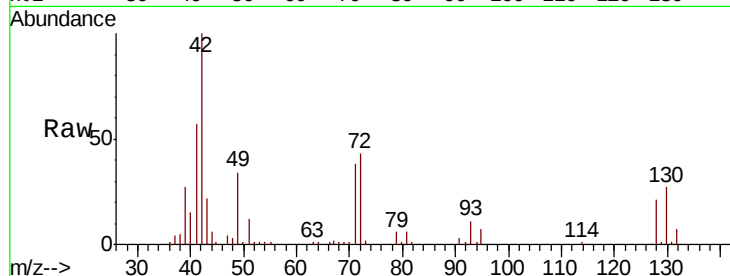
Tot Ion: 42 Resp: 113254

Ion Ratio Lower Upper

42 100

72 43.3 32.5 48.7

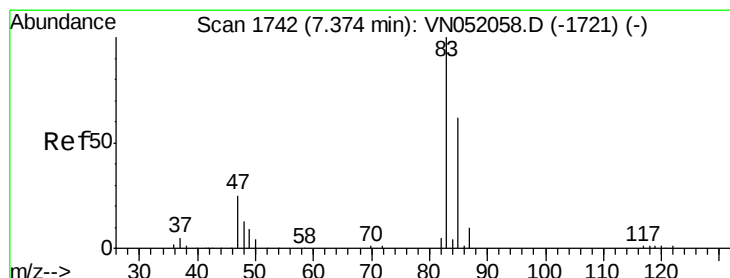
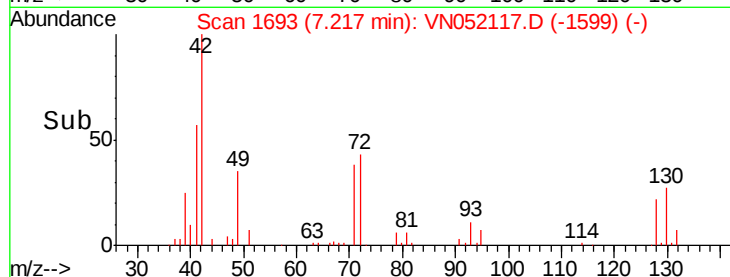
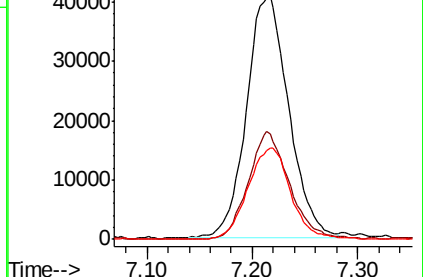
71 38.3 30.6 46.0



Abundance Ion 42.00 (41.70 to 42.70): VN052058.D (-1661) (-)

Ion 72.00 (71.70 to 72.70): VN052058.D (-1661) (-)

Ion 71.00 (70.70 to 71.70): VN052058.D (-1661) (-)



#30

Chloroform

Concen: 18.149 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052117.D

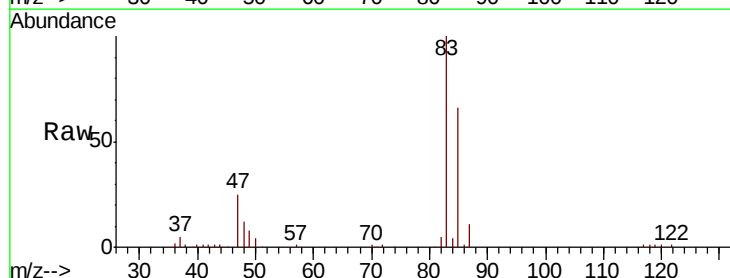
Acq: 2 Nov 2018 9:53

Tgt Ion: 83 Resp: 156537

Ion Ratio Lower Upper

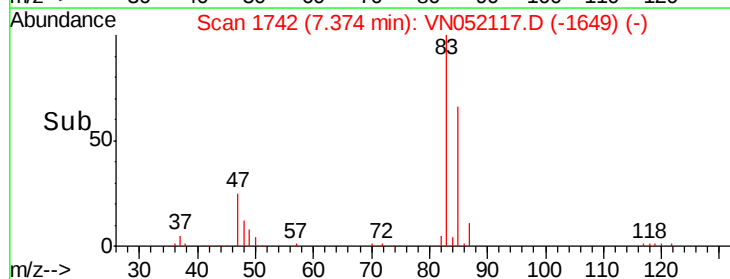
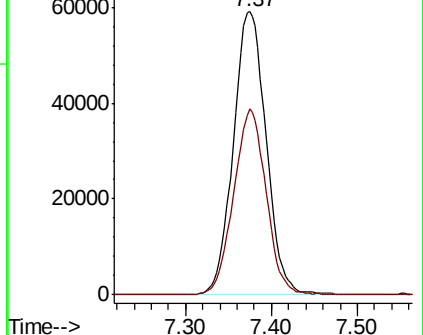
83 100

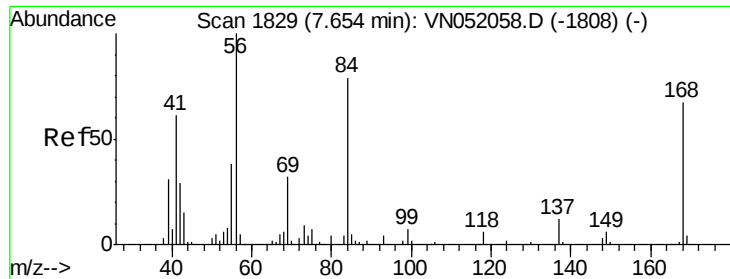
85 65.7 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VN052058.D (-1721) (-)

Ion 84.90 (84.60 to 85.60): VN052058.D (-1721) (-)

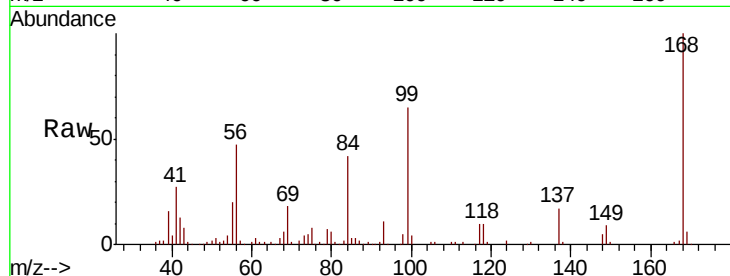




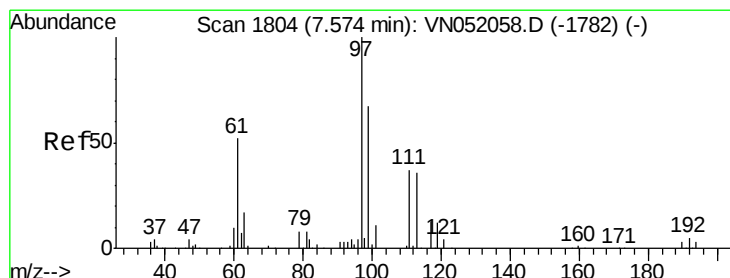
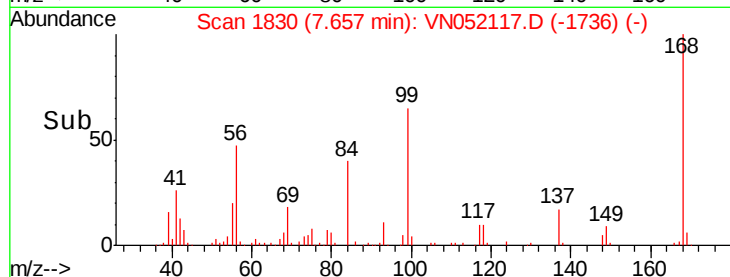
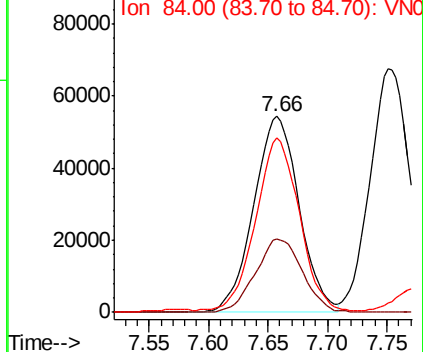
#31
Cyclohexane
Concen: 15.949 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

Tot Ion: 56 Resp: 143833
Ion Ratio Lower Upper
56 100
69 37.2 25.8 38.6
84 87.9 63.5 95.3

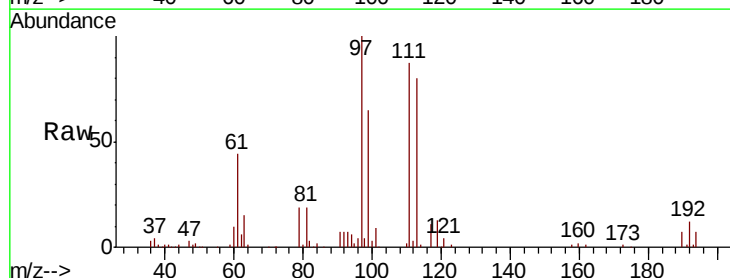


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

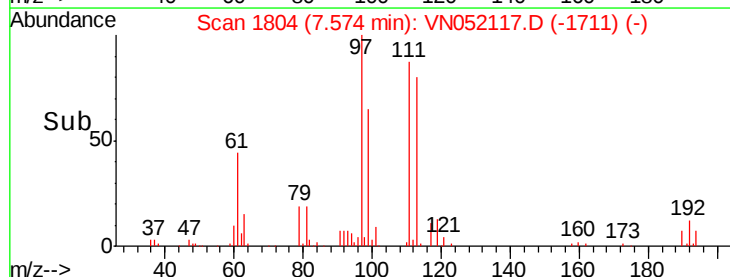
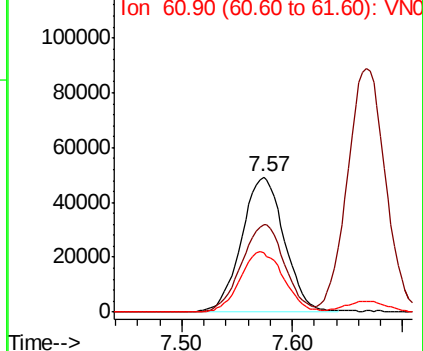


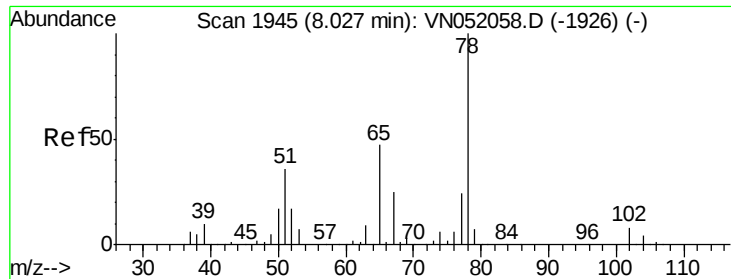
#32
1,1,1-Trichloroethane
Concen: 19.064 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

Tgt Ion: 97 Resp: 132240
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.2
61 44.3 40.3 60.5



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

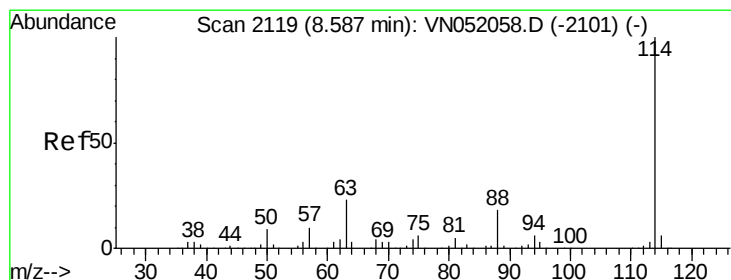
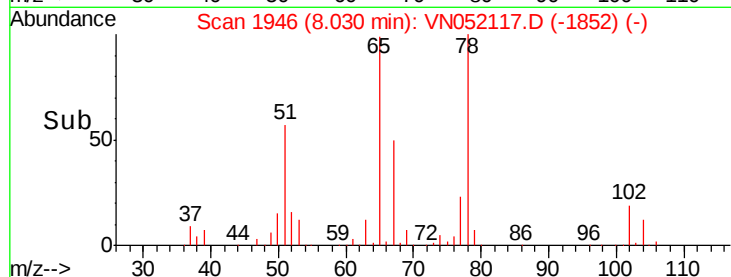
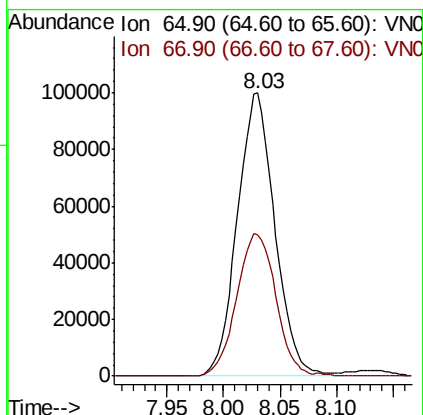
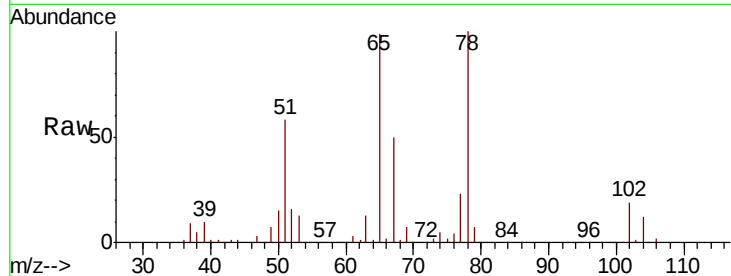




#33
 1,2-Dichloroethane-d4
 Concen: 19.064 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

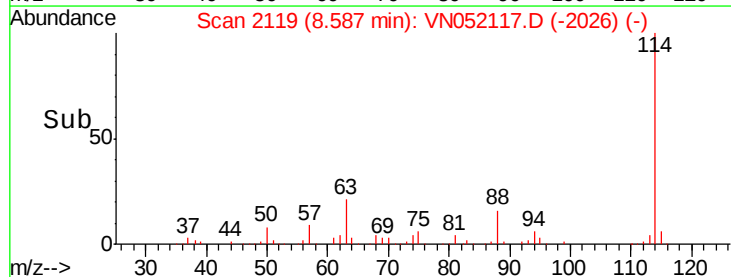
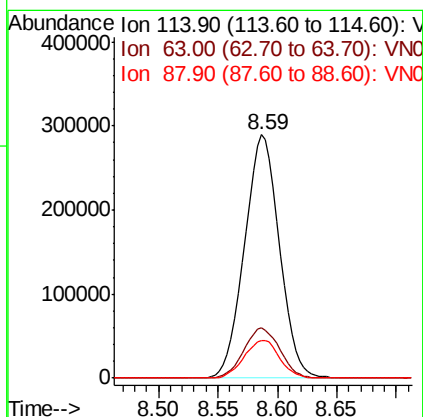
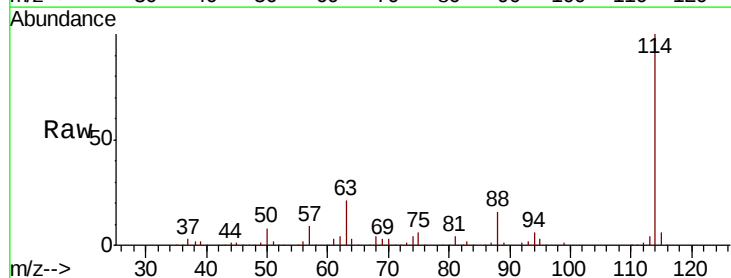
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

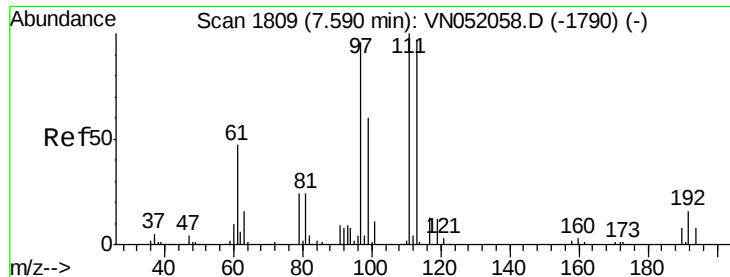
Tot Ion: 65 Resp: 230854
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Tgt Ion: 114 Resp: 588446
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 46.0
 88 15.5 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

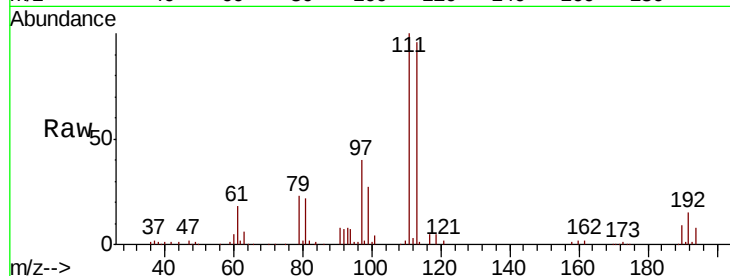
Tot Ion:113 Resp: 197017

Ion Ratio Lower Upper

113 100

111 102.7 83.1 124.7

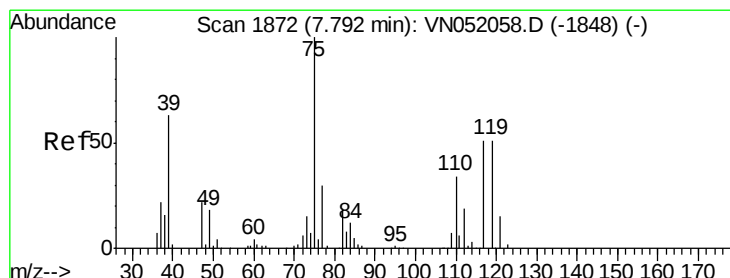
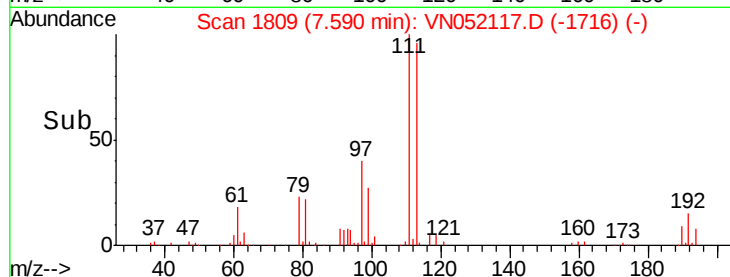
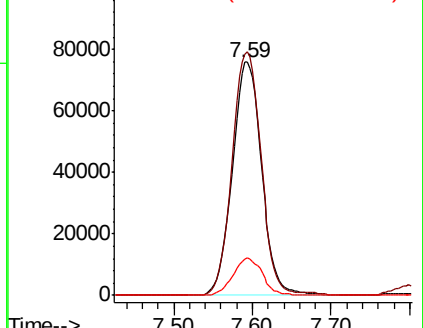
192 15.9 12.7 19.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.060 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

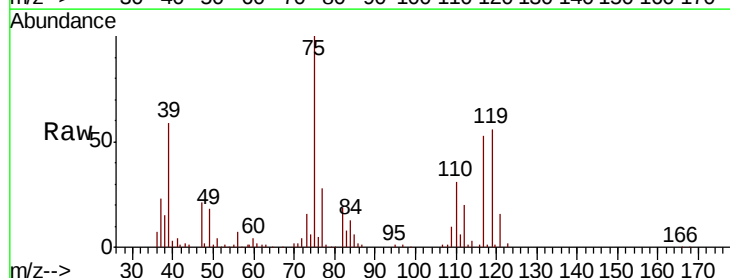
Tgt Ion: 75 Resp: 114046

Ion Ratio Lower Upper

75 100

110 35.6 16.0 48.0

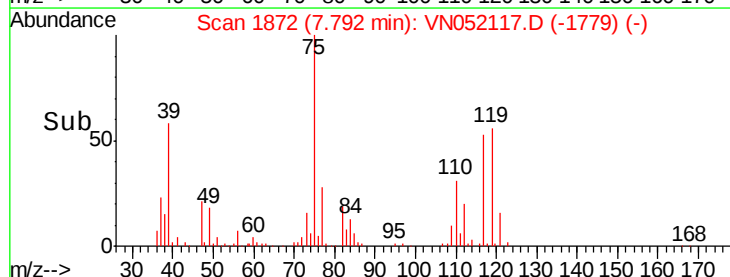
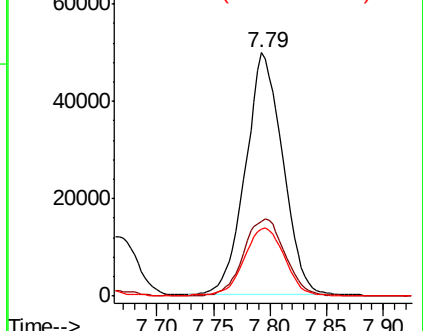
77 31.0 24.5 36.7

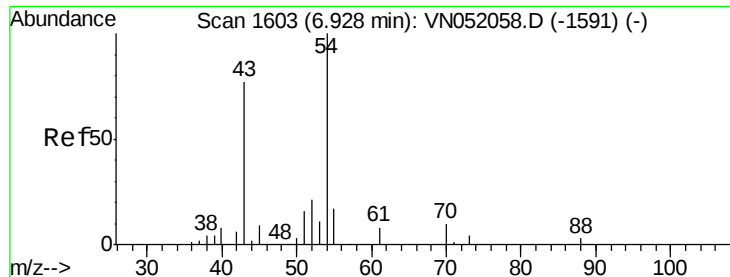


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

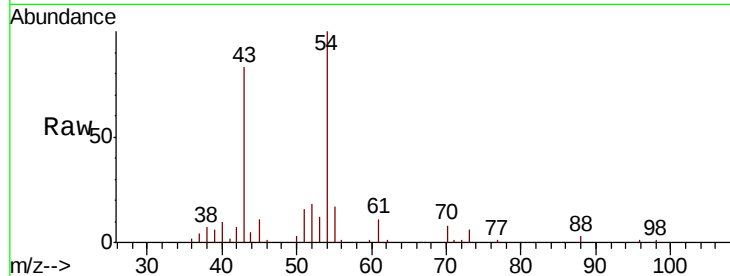




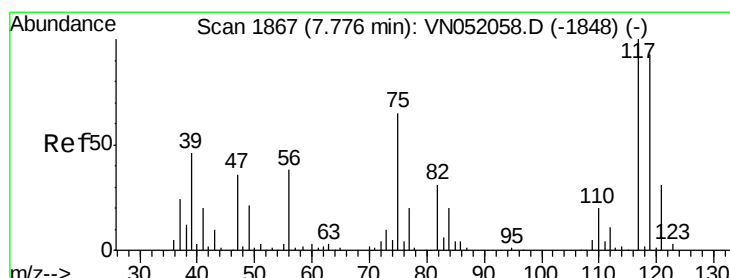
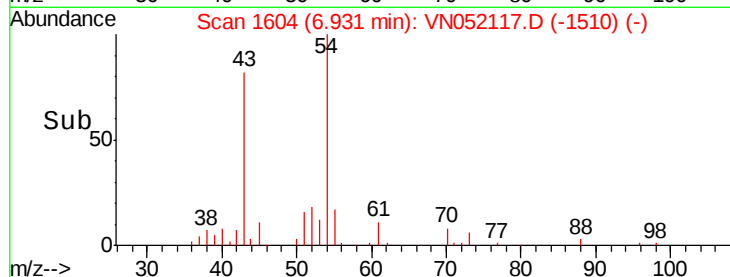
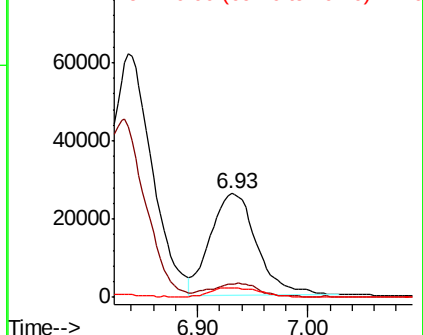
#37
Ethyl Acetate
Concen: 19.073 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

Instrument :
MSVOA_N
ClientSampled :
VN1102WBS01

Tot Ion: 43 Resp: 76385
Ion Ratio Lower Upper
43 100
61 14.8 10.9 16.3
70 10.3 8.6 12.8

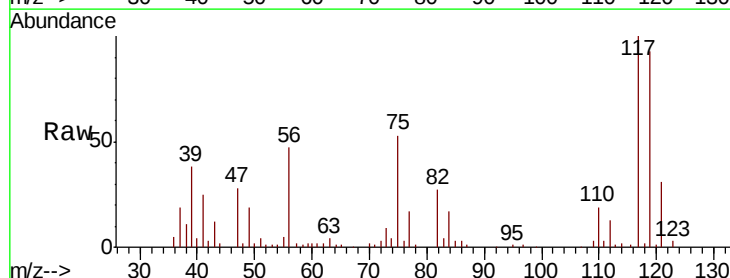


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

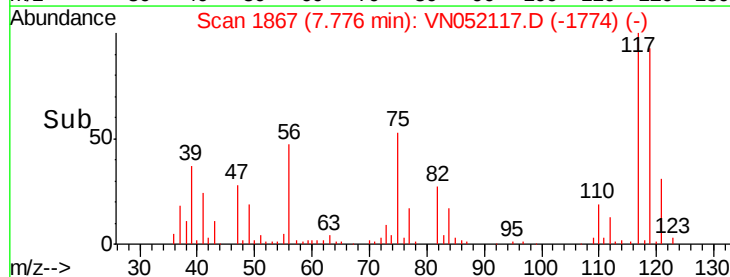
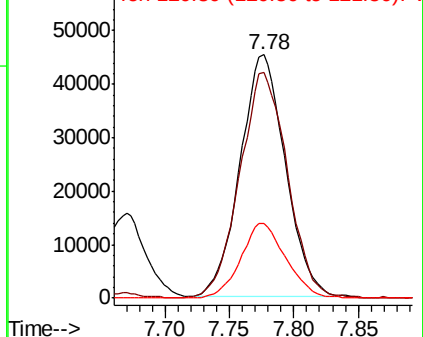


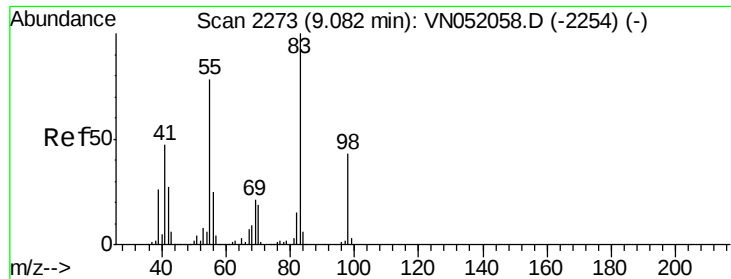
#38
Carbon Tetrachloride
Concen: 21.456 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

Tgt Ion: 117 Resp: 110694
Ion Ratio Lower Upper
117 100
119 93.0 74.8 112.2
121 30.8 25.1 37.7



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

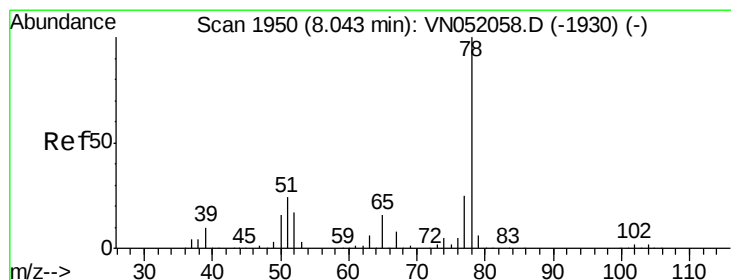
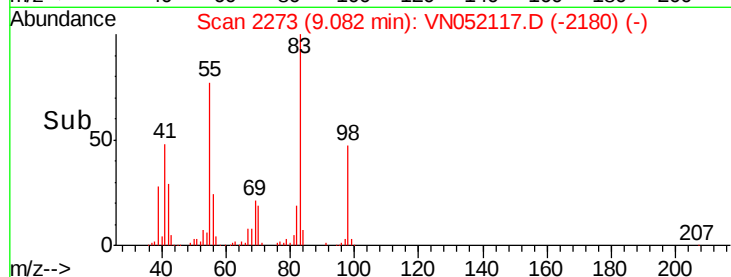
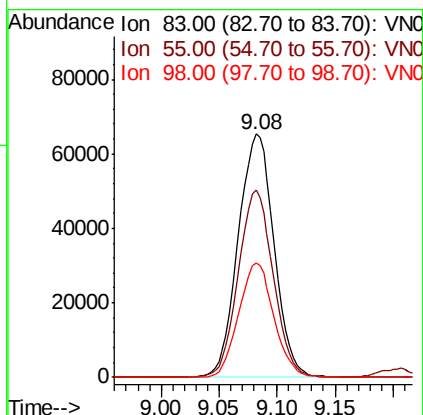
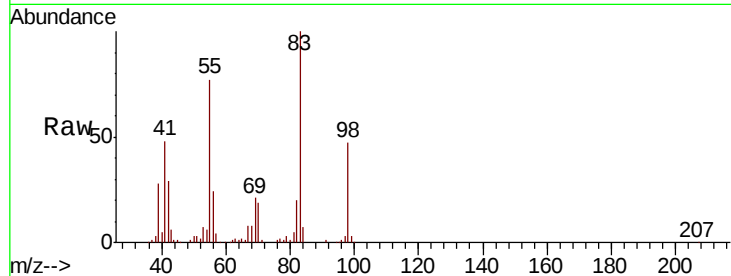




#39
Methvlcvclohexane
Concen: 19.756 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

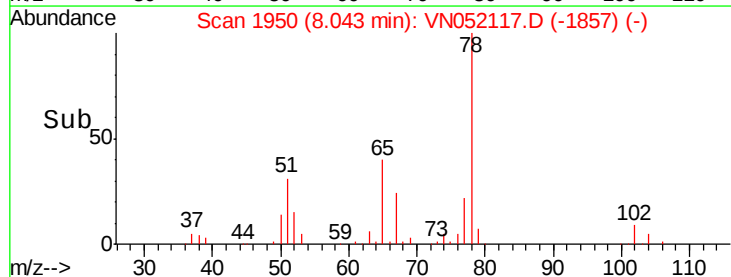
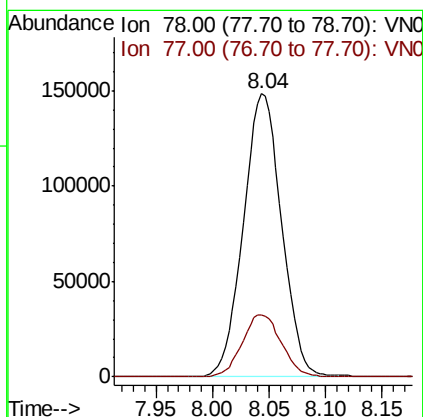
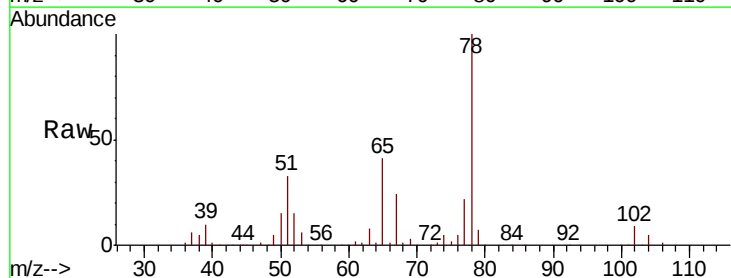
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

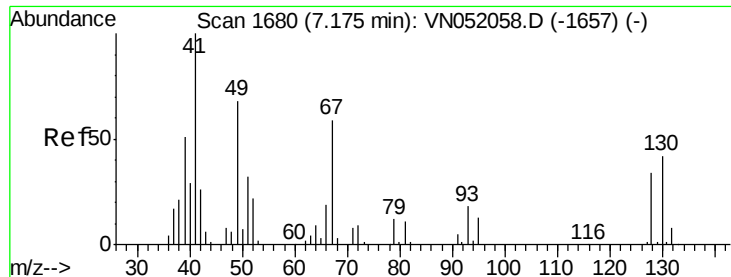
Tot Ion: 83 Resp: 140278
Ion Ratio Lower Upper
83 100
55 77.0 62.0 93.0
98 47.2 34.7 52.1



#40
Benzene
Concen: 20.149 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

Tgt Ion: 78 Resp: 348712
Ion Ratio Lower Upper
78 100
77 22.0 19.8 29.6

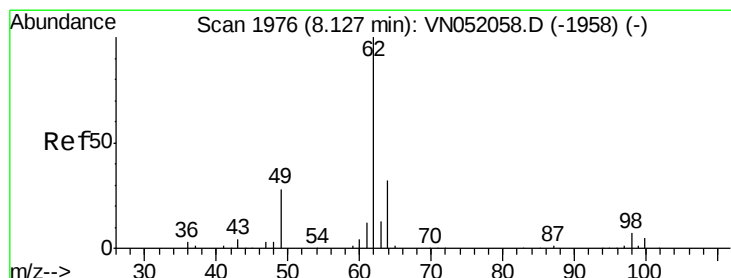
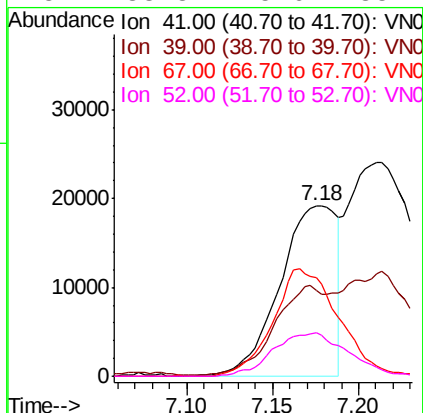
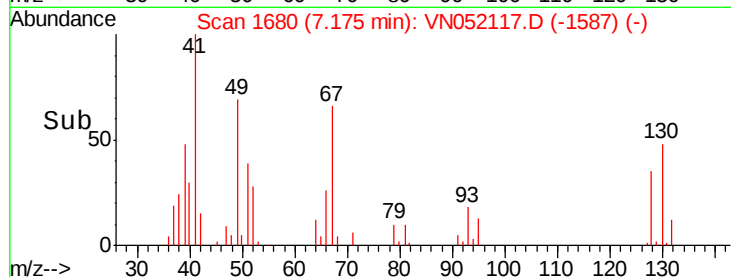
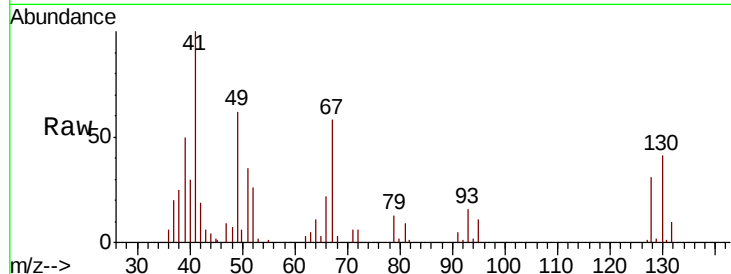




#41
Methacrylonitrile
Concen: 21.419 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

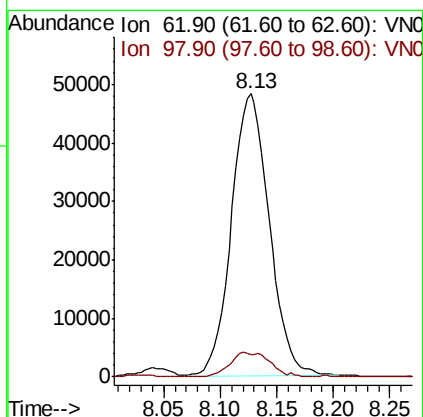
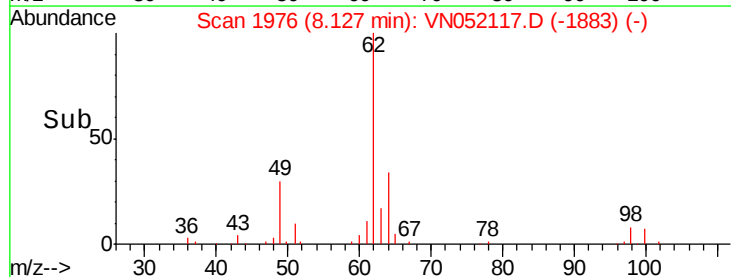
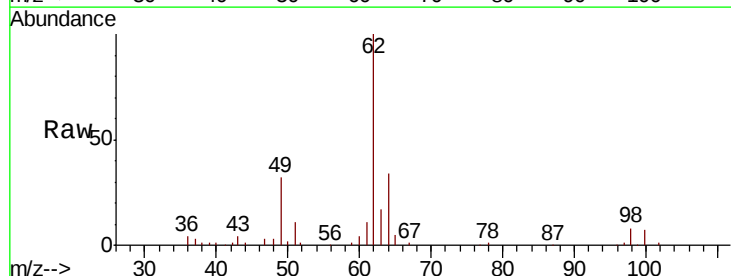
Instrument :
MSVOA_N
ClientSampled :
VN1102WBS01

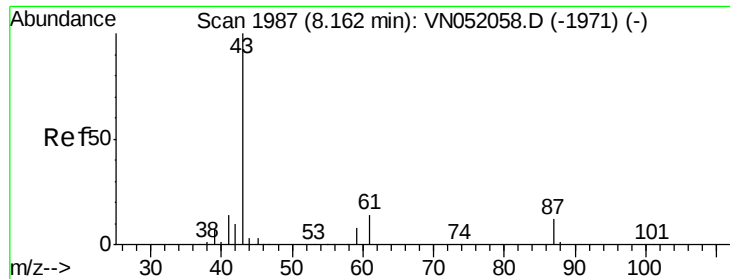
Tot Ion: 41 Resp: 44096
Ion Ratio Lower Upper
41 100
39 46.3 33.2 49.8
67 73.2 63.5 95.3
52 33.8 25.6 38.4



#42
1,2-Dichloroethane
Concen: 17.601 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

Tgt Ion: 62 Resp: 112413
Ion Ratio Lower Upper
62 100
98 9.1 0.0 15.2





#43

Isopropyl Acetate

Concen: 19.613 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

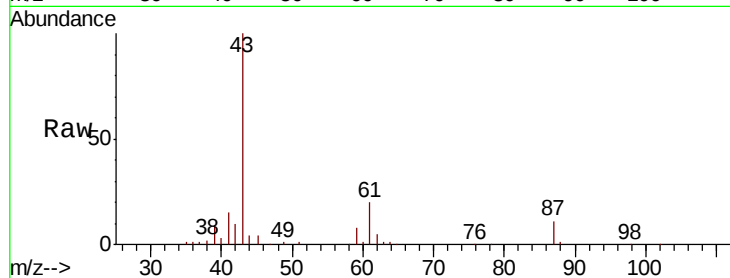
Tot Ion: 43 Resp: 139707

Ion Ratio Lower Upper

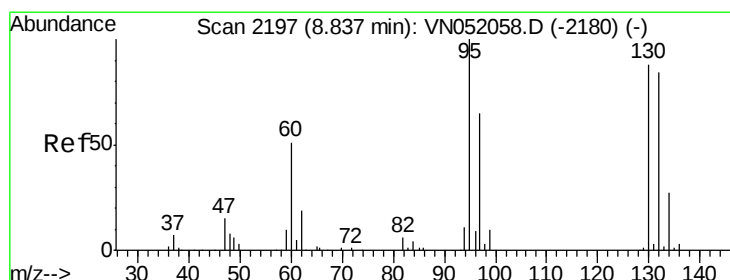
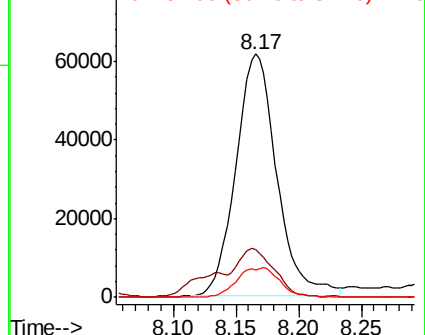
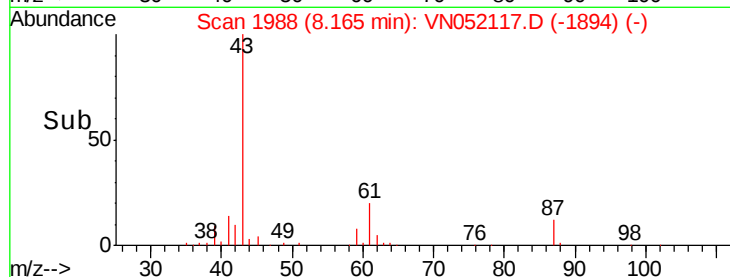
43 100

61 17.9 15.4 23.0

87 12.8 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN052117.D (-1894) (-)



#44

Trichloroethene

Concen: 21.162 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052117.D

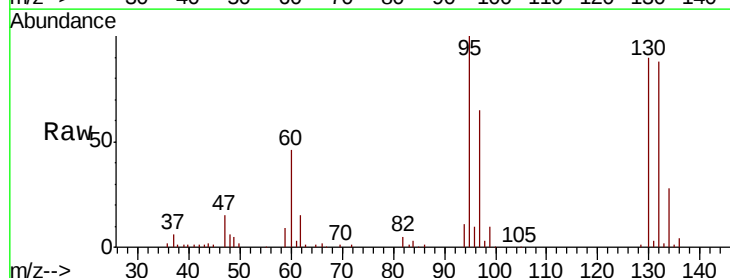
Acq: 2 Nov 2018 9:53

Tgt Ion:130 Resp: 81906

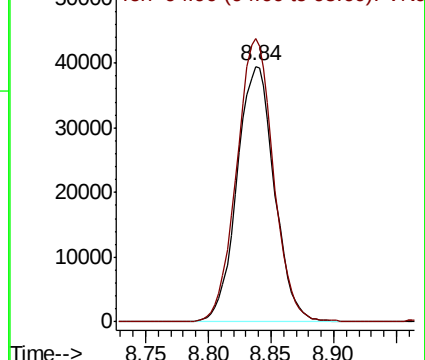
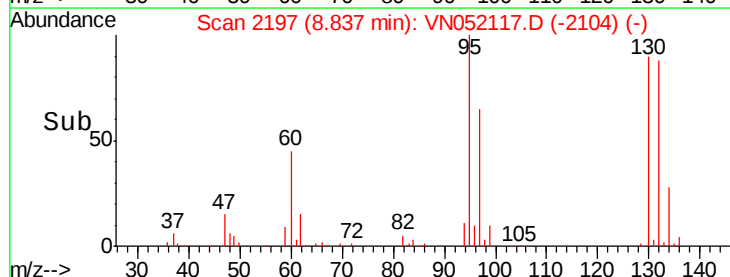
Ion Ratio Lower Upper

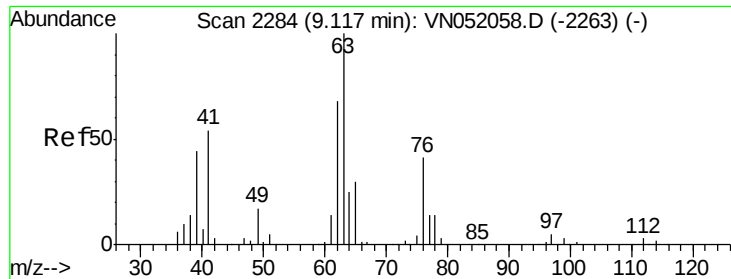
130 100

95 110.7 0.0 228.4



Abundance Ion 129.80 (129.50 to 130.50): VN052117.D (-2104) (-)

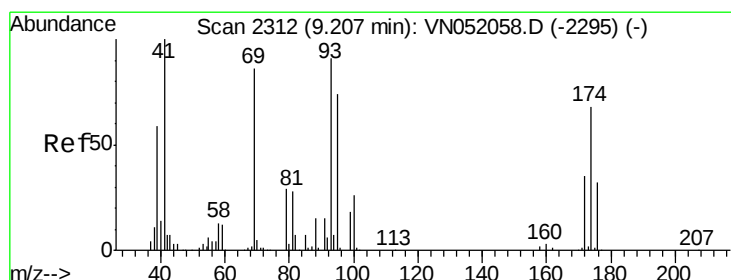
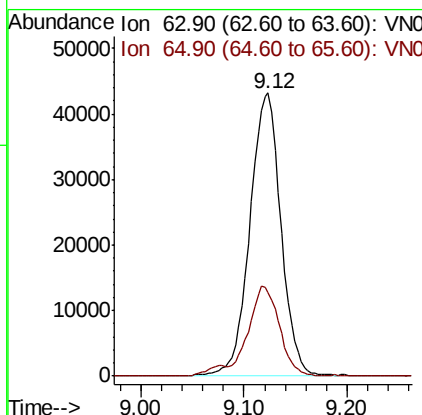
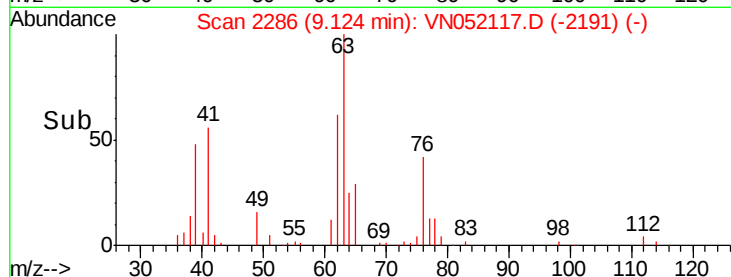
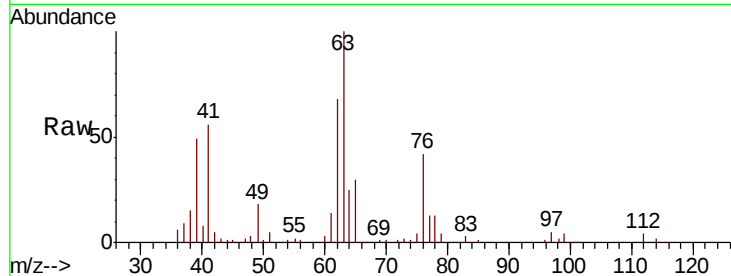




#45
 1,2-Dichloropropane
 Concen: 18.281 ug/l
 RT: 9.12 min Scan# 2286
 Delta R.T. 0.01 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

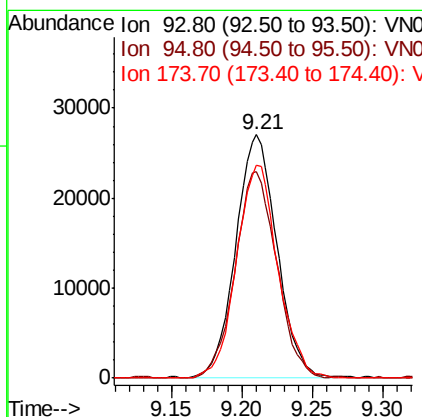
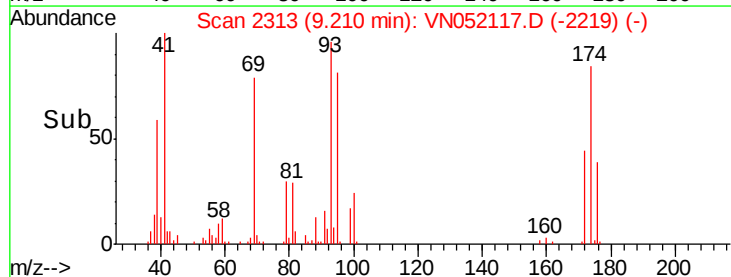
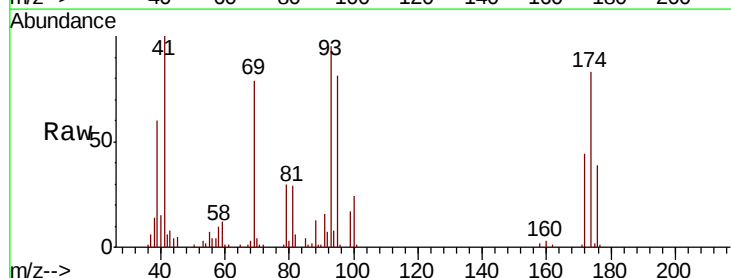
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

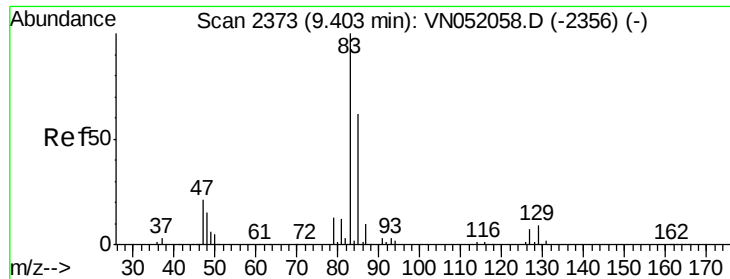
Tot Ion: 63 Resp: 90127
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.5 36.7



#46
 Dibromomethane
 Concen: 20.093 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Tgt Ion: 93 Resp: 55365
 Ion Ratio Lower Upper
 93 100
 95 85.2 67.2 100.8
 174 87.7 59.7 89.5





#47

Bromodichloromethane

Concen: 19.974 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

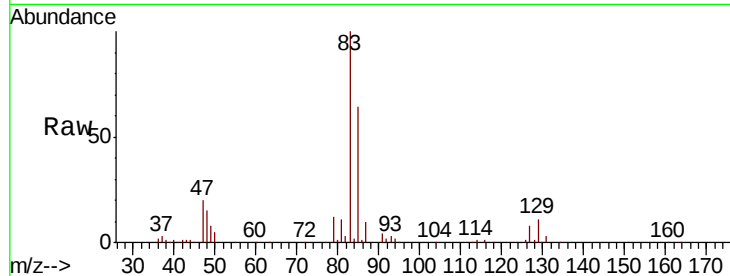
Tot Ion: 83 Resp: 114787

Ion Ratio Lower Upper

83 100

85 63.7 49.4 74.2

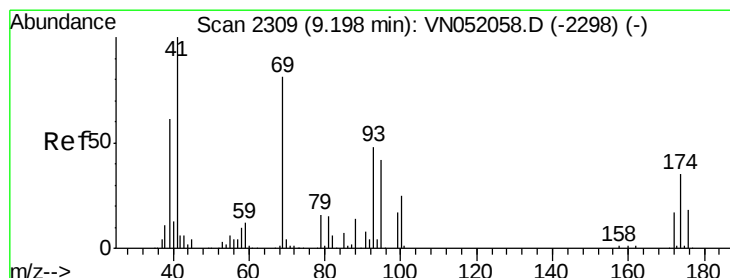
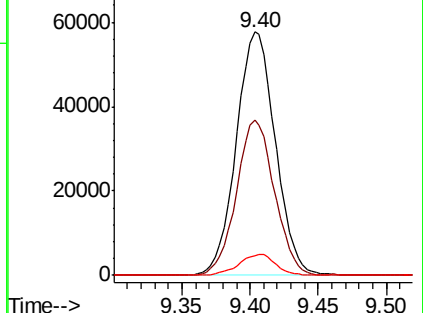
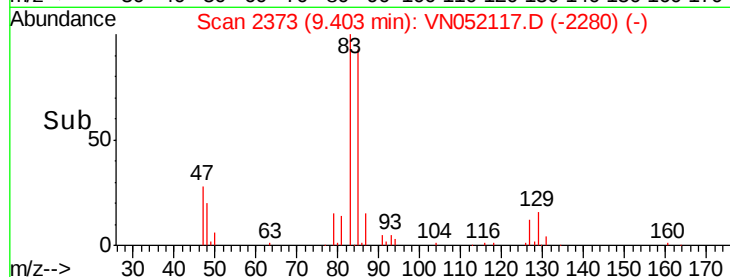
127 8.1 5.8 8.8



Abundance Ion 82.90 (82.60 to 83.60): VN052117.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052117.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052117.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.336 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

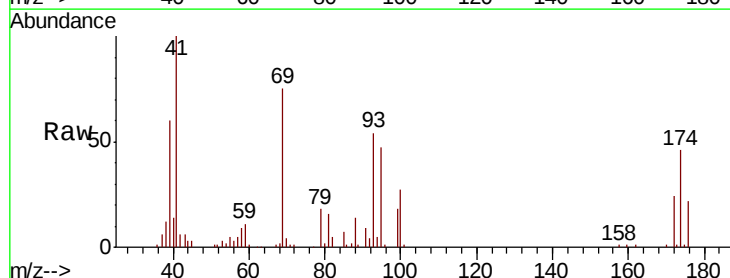
Tgt Ion: 41 Resp: 69831

Ion Ratio Lower Upper

41 100

69 83.3 67.1 100.7

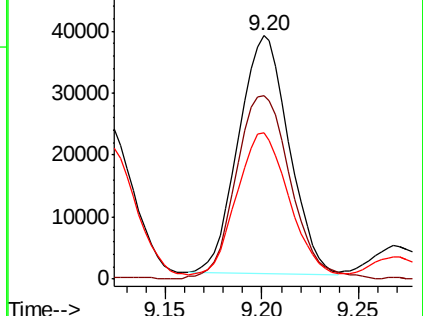
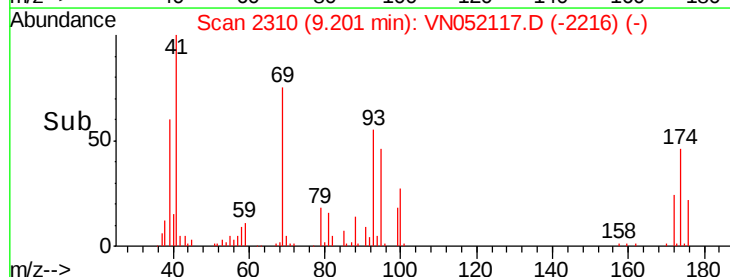
39 63.7 50.5 75.7

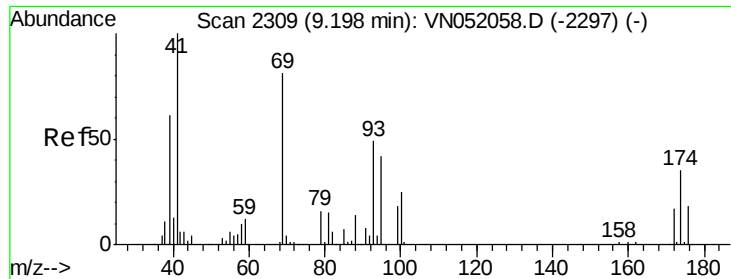


Abundance Ion 41.00 (40.70 to 41.70): VN052117.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052117.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052117.D (-2216) (-)





#49

1,4-Dioxane

Concen: 364.887 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

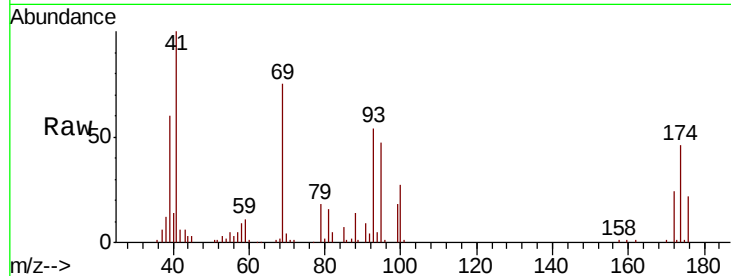
Tot Ion: 88 Resp: 10555

Ion Ratio Lower Upper

88 100

43 41.0 34.1 51.1

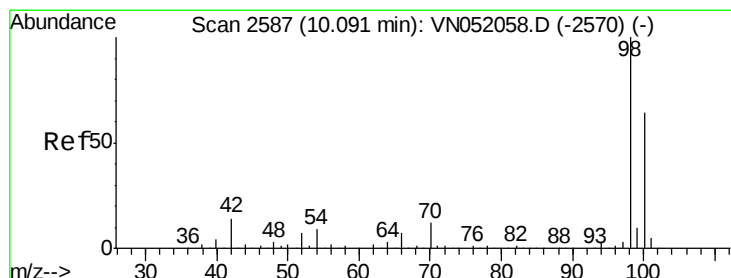
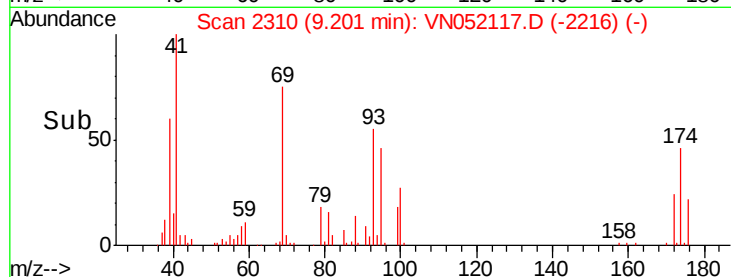
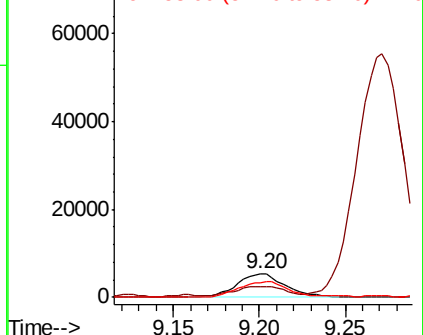
58 67.4 62.8 94.2



Abundance Ion 88.00 (87.70 to 88.70): VN052058.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN052058.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-2297) (-)



#50

Toluene-d8

Concen: 364.887 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052117.D

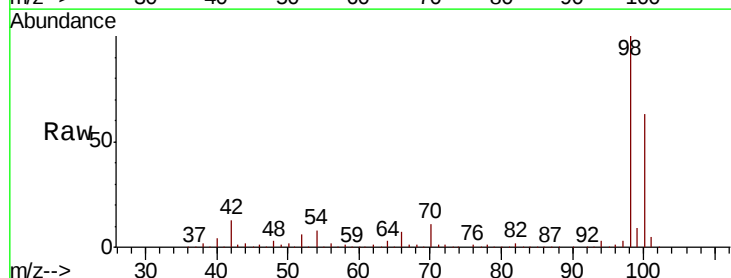
Acq: 2 Nov 2018 9:53

Tgt Ion: 98 Resp: 749582

Ion Ratio Lower Upper

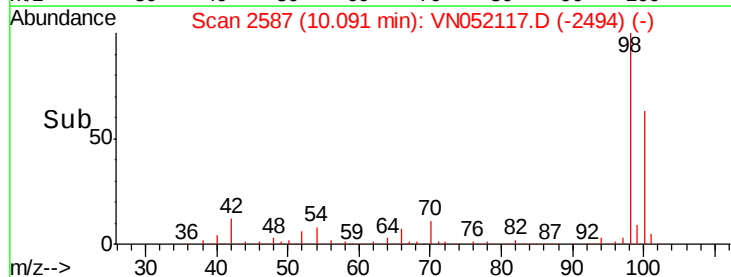
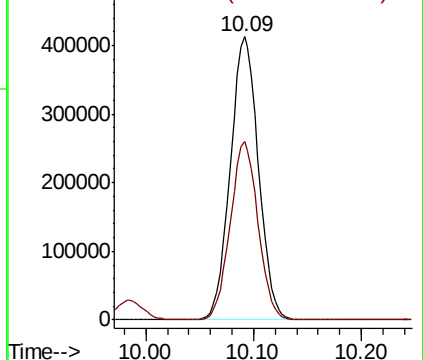
98 100

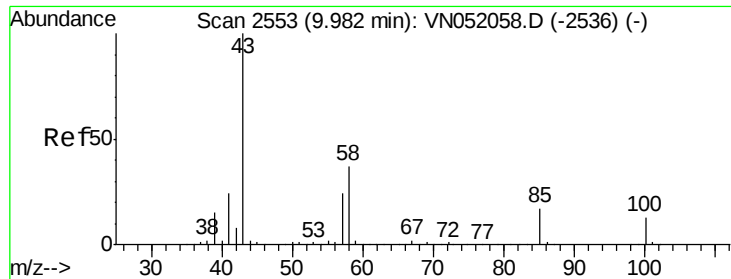
100 62.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052058.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052058.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 100.364 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

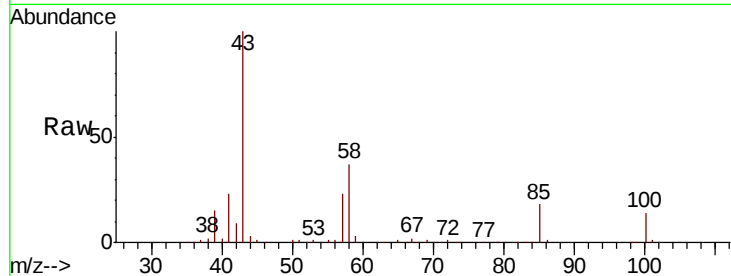
VN1102WBS01

Tot Ion: 43 Resp: 388567

Ion Ratio Lower Upper

43 100

58 36.7 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-2536) (-)

9.99

200000

150000

100000

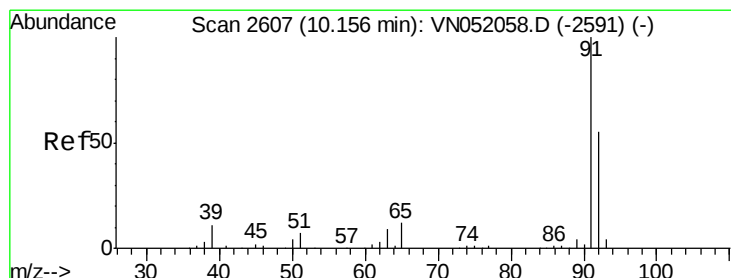
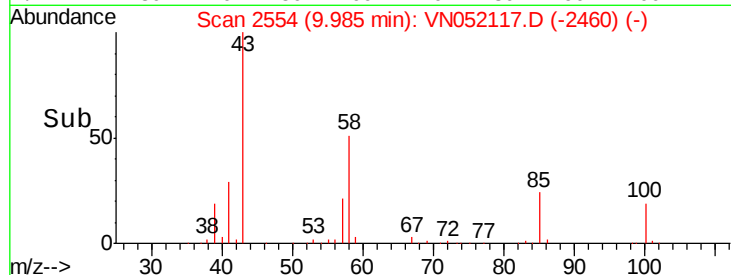
50000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 20.259 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052117.D

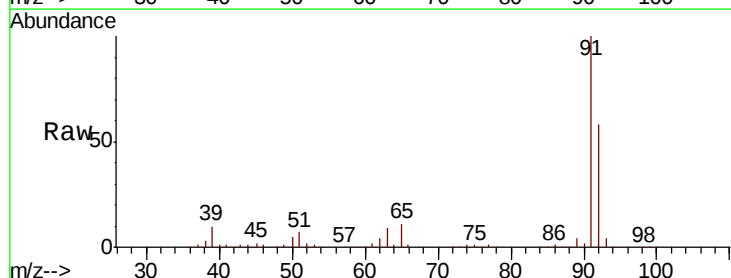
Acq: 2 Nov 2018 9:53

Tgt Ion: 92 Resp: 211653

Ion Ratio Lower Upper

92 100

91 174.5 143.9 215.9



Abundance Ion 92.00 (91.70 to 92.70): VN052058.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052058.D (-2591) (-)

10.16

200000

150000

100000

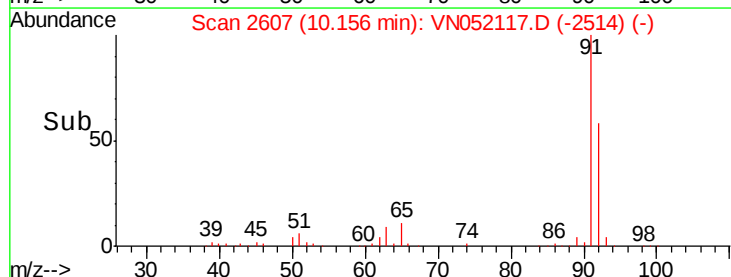
50000

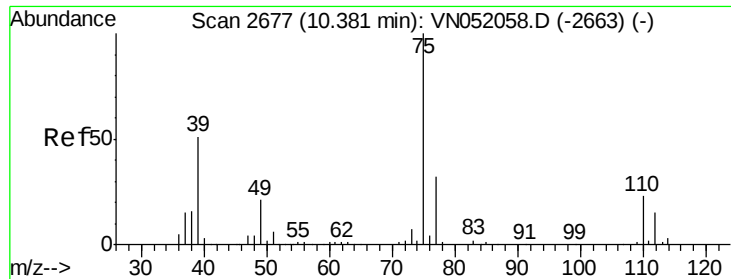
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.809 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

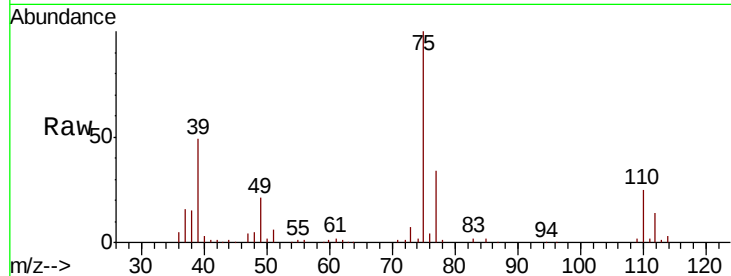
VN1102WBS01

Tot Ion: 75 Resp: 114275

Ion Ratio Lower Upper

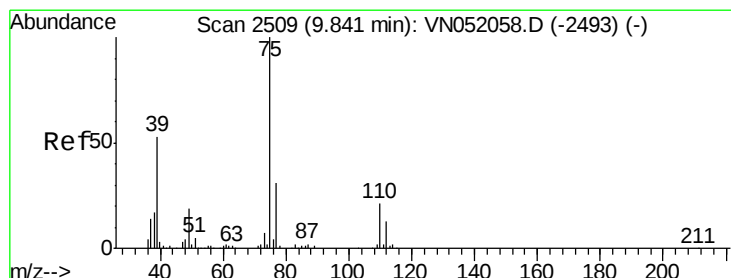
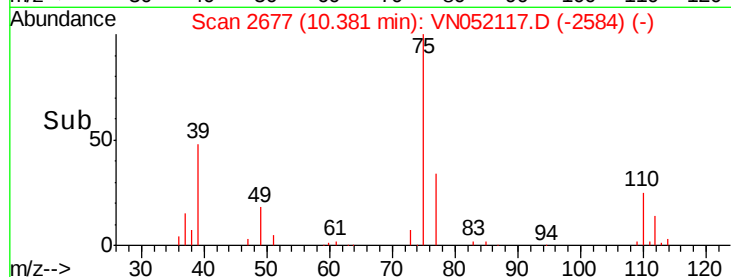
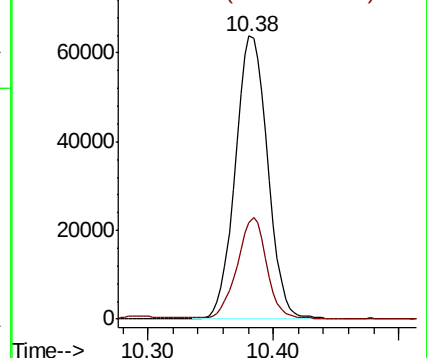
75 100

77 34.3 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.163 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

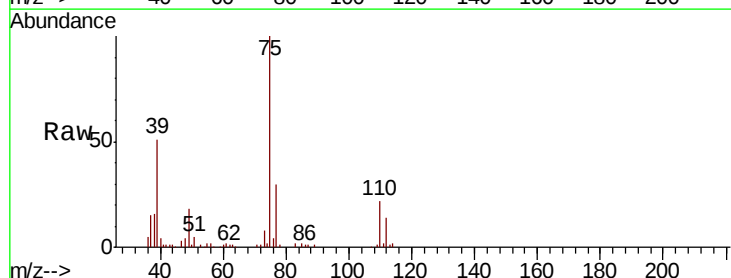
Tgt Ion: 75 Resp: 129300

Ion Ratio Lower Upper

75 100

77 30.3 25.0 37.4

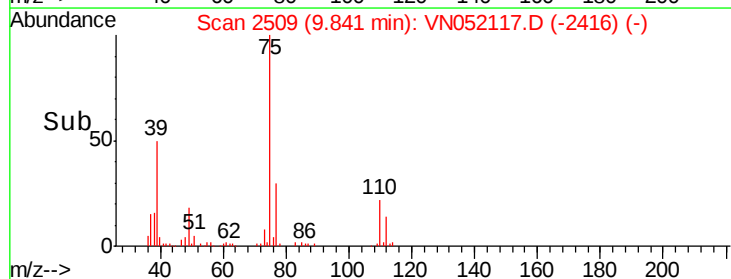
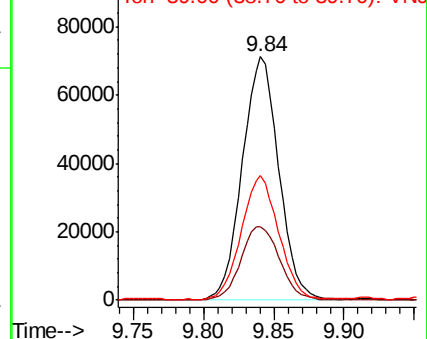
39 50.7 42.3 63.5

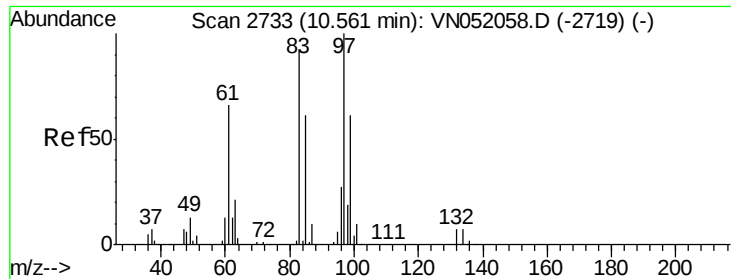


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.402 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

Tot Ion: 97 Resp: 75914

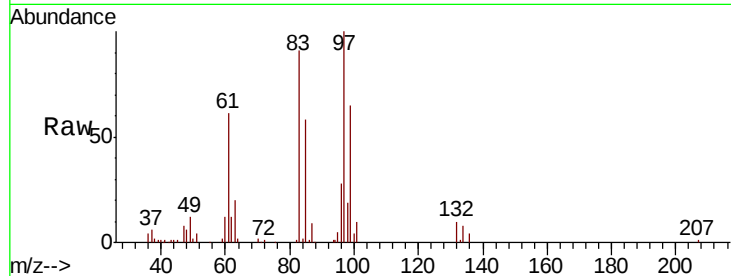
Ion Ratio Lower Upper

97 100

83 90.7 73.8 110.8

85 57.8 48.4 72.6

99 65.5 48.6 72.8

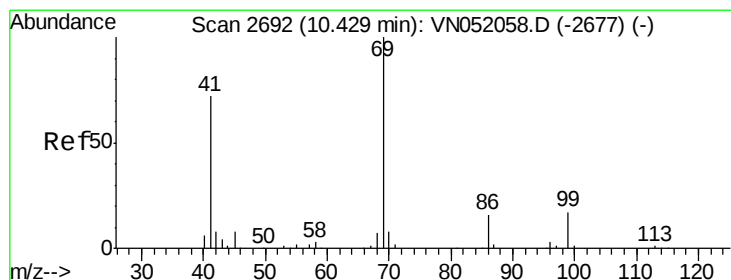
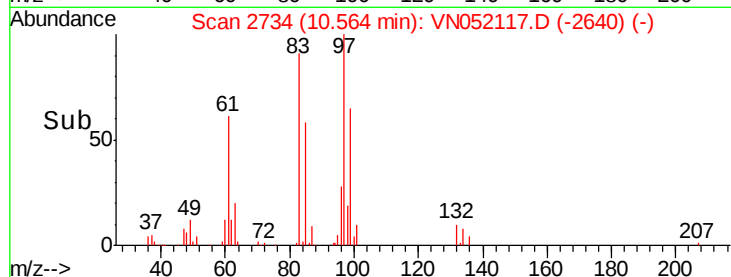
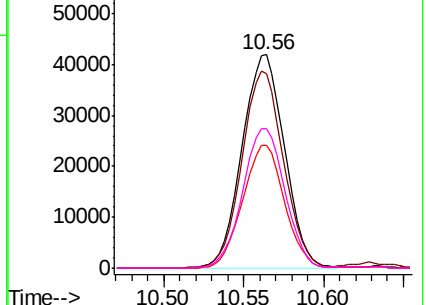


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.267 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

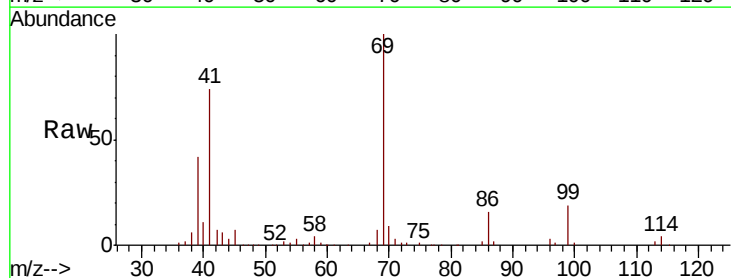
Tgt Ion: 69 Resp: 97231

Ion Ratio Lower Upper

69 100

41 71.1 55.5 83.3

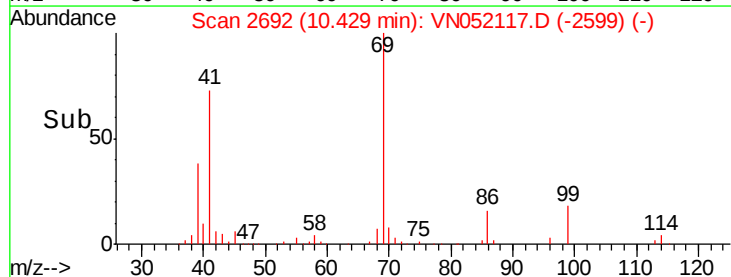
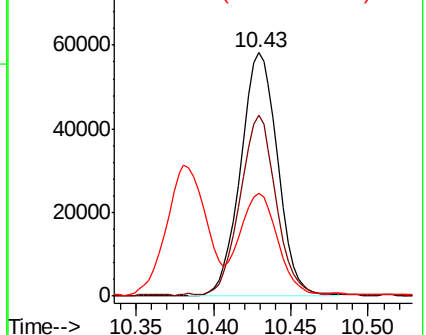
39 42.2 33.0 49.4

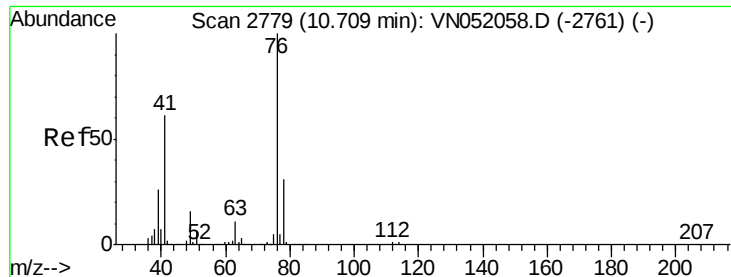


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.455 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

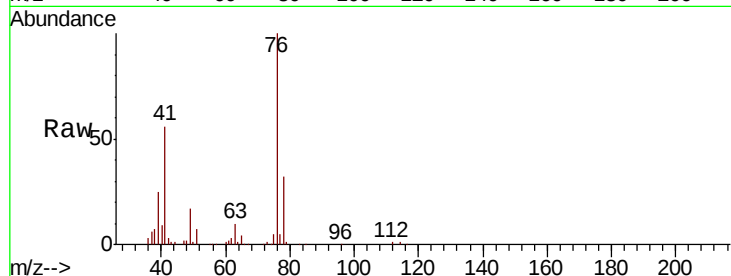
VN1102WBS01

Tot Ion: 76 Resp: 133202

Ion Ratio Lower Upper

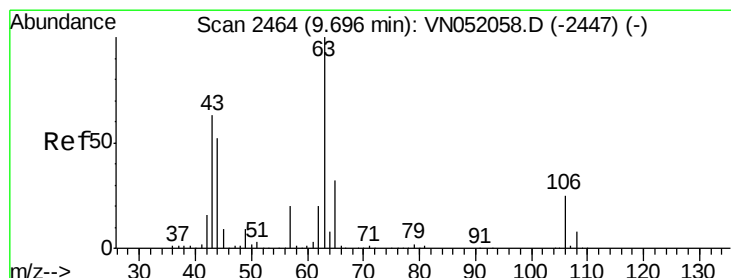
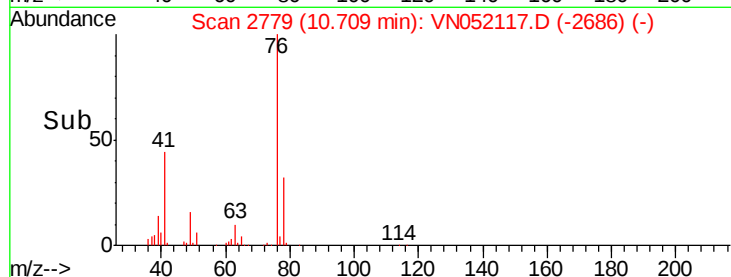
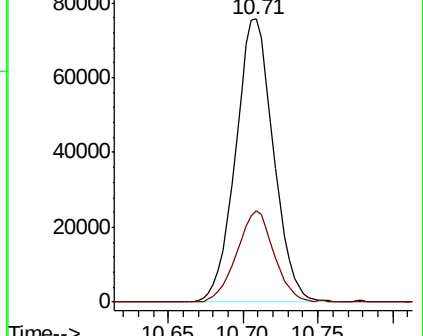
76 100

78 31.9 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.409 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052117.D

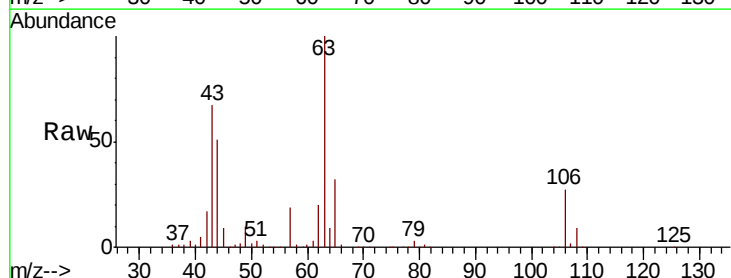
Acq: 2 Nov 2018 9:53

Tgt Ion: 63 Resp: 275785

Ion Ratio Lower Upper

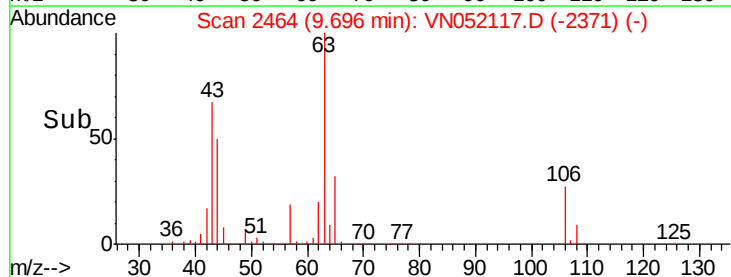
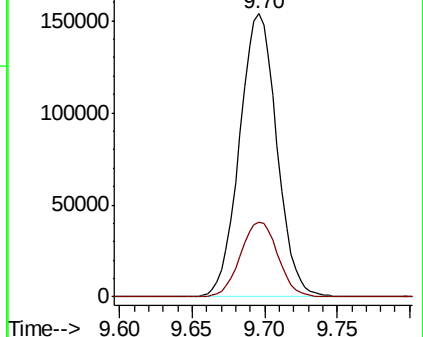
63 100

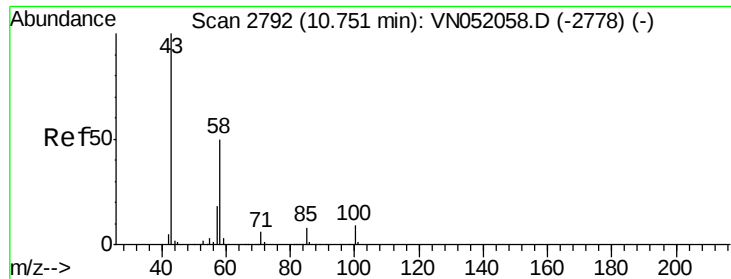
106 26.7 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

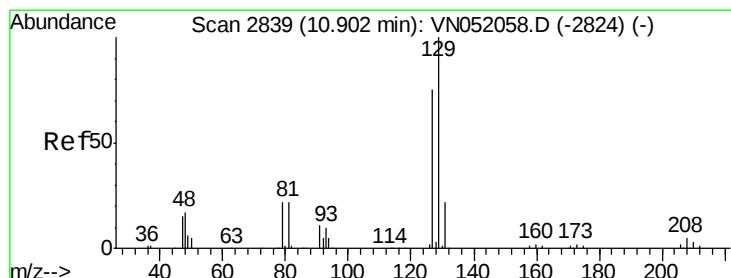
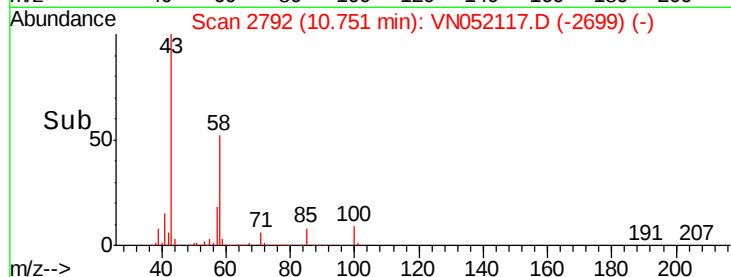
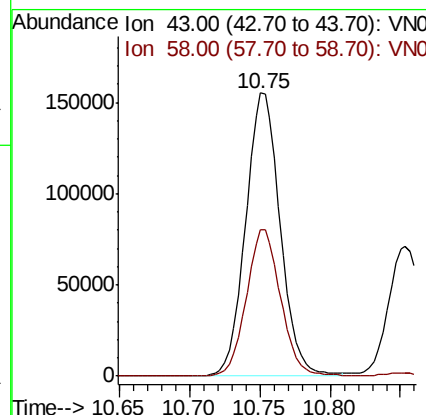
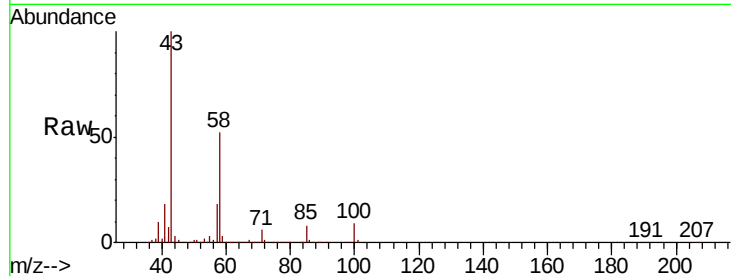




#59
2-Hexanone
Concen: 96.100 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

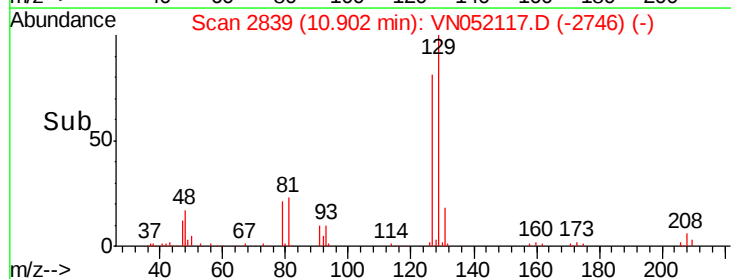
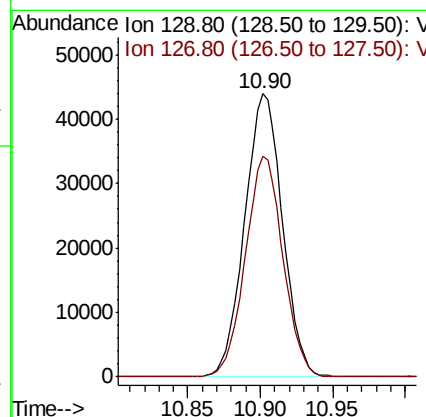
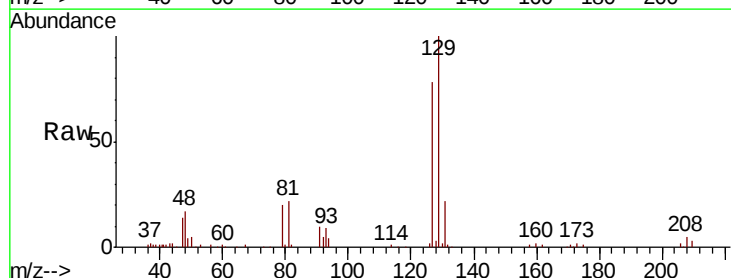
Instrument :
MSVOA_N
ClientSampled :
VN1102WBS01

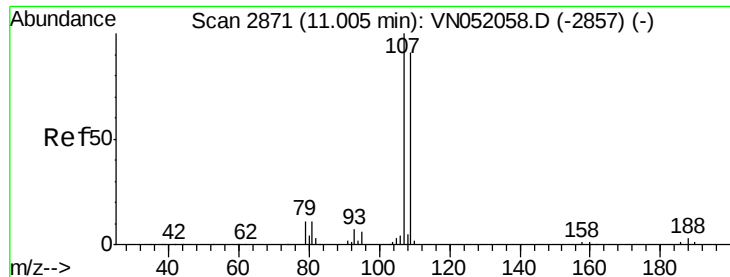
Tot Ion: 43 Resp: 265137
Ion Ratio Lower Upper
43 100
58 51.9 25.2 75.6



#60
Dibromochloromethane
Concen: 21.752 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

Tgt Ion: 129 Resp: 79683
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5

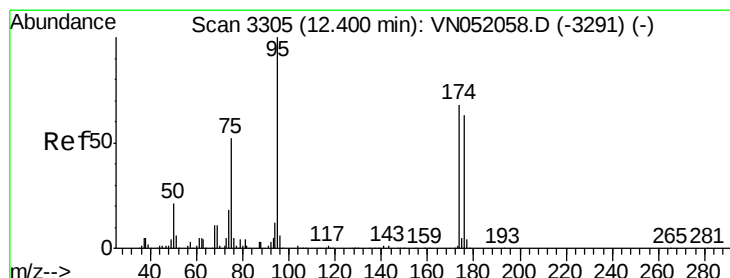
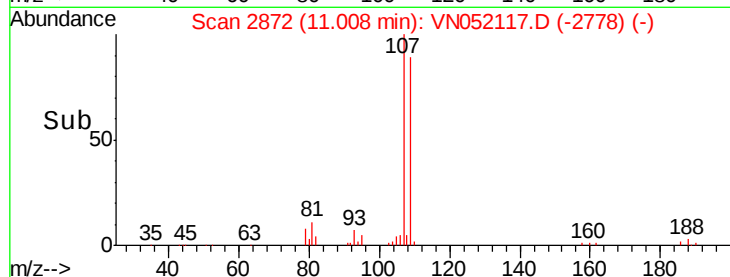
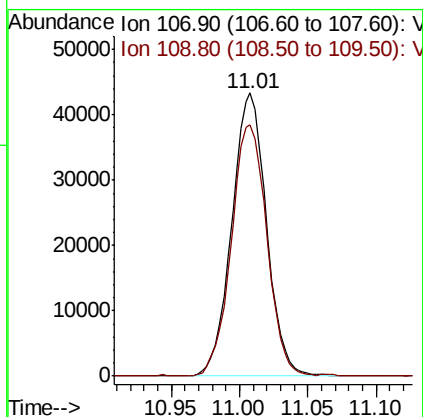
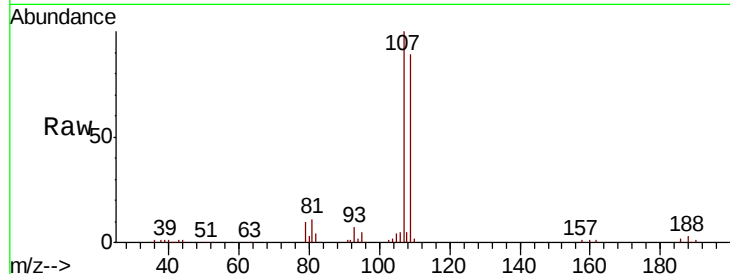




#61
 1,2-Dibromoethane
 Concen: 20.661 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

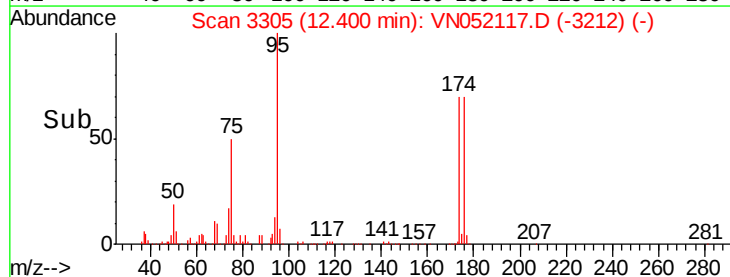
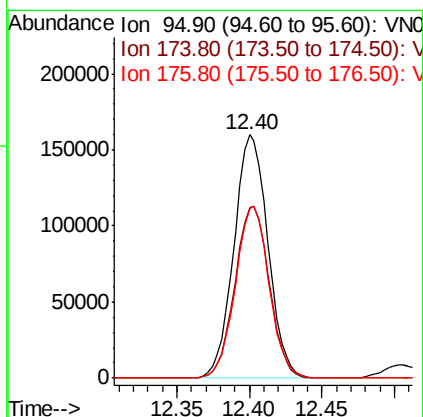
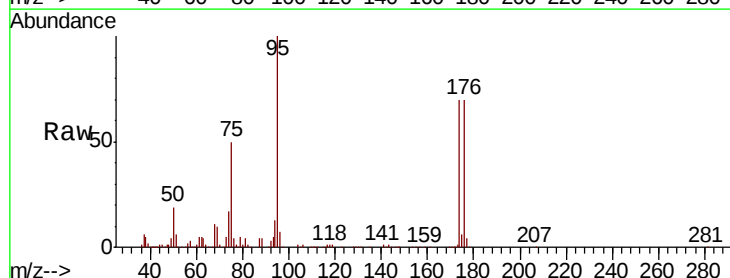
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

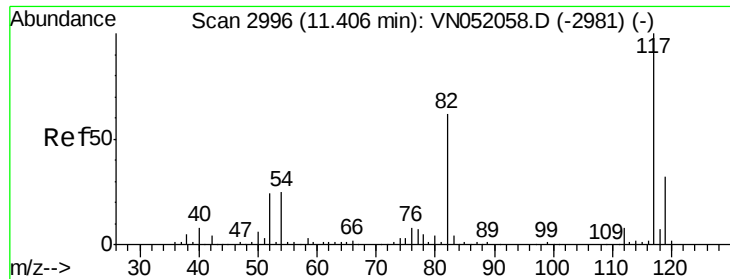
Tot Ion: 107 Resp: 76428
 Ion Ratio Lower Upper
 107 100
 109 91.2 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 20.661 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Tgt Ion: 95 Resp: 260273
 Ion Ratio Lower Upper
 95 100
 174 71.6 0.0 131.8
 176 69.9 0.0 126.0

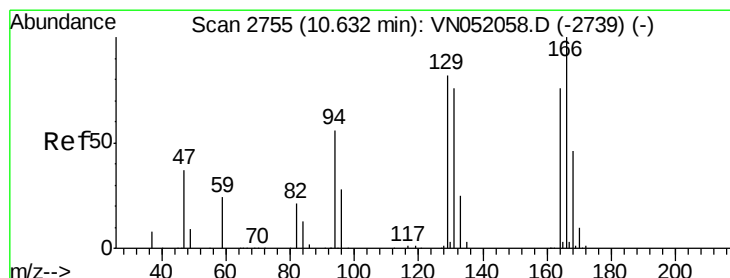
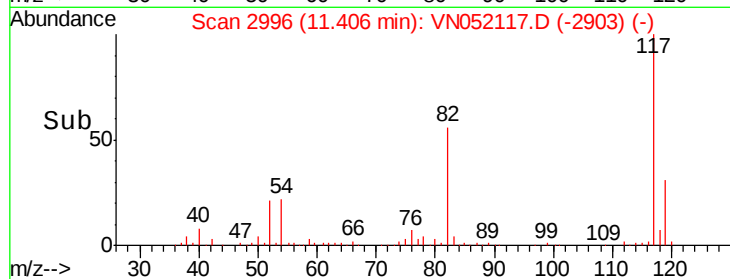
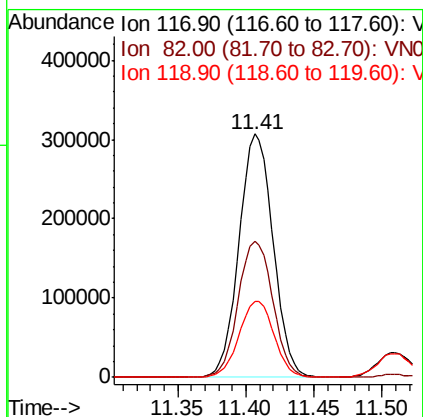
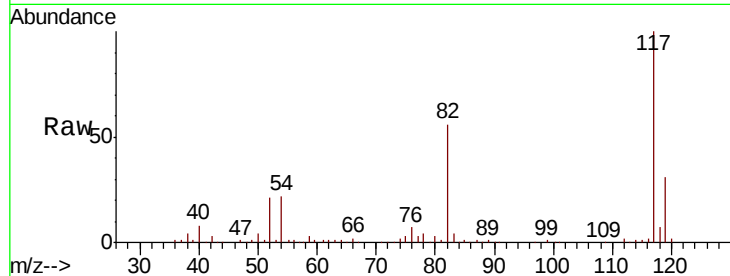




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

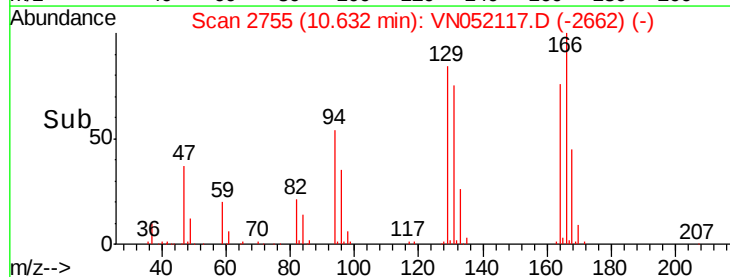
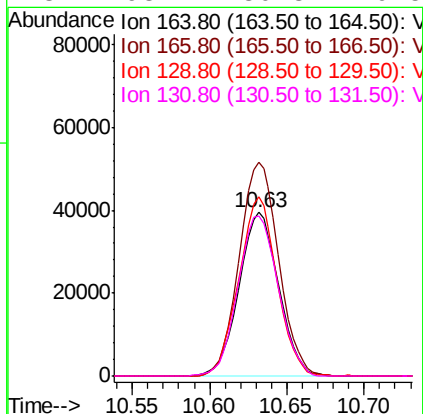
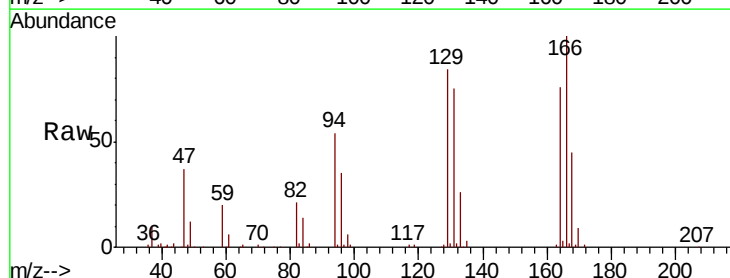
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

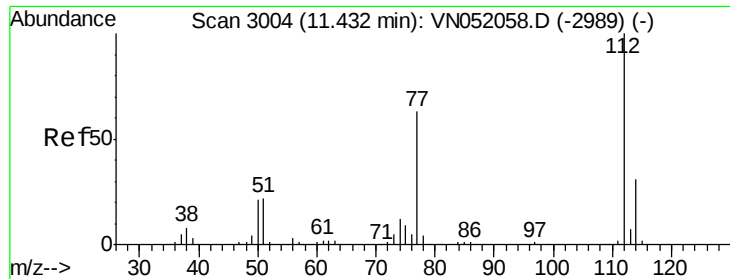
Tot Ion:117 Resp: 533132
Ion Ratio Lower Upper
117 100
82 55.7 49.9 74.9
119 31.3 25.7 38.5



#64
Tetrachloroethene
Concen: 21.751 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

Tgt Ion:164 Resp: 70252
Ion Ratio Lower Upper
164 100
166 130.8 105.4 158.0
129 109.6 86.1 129.1
131 98.2 80.3 120.5

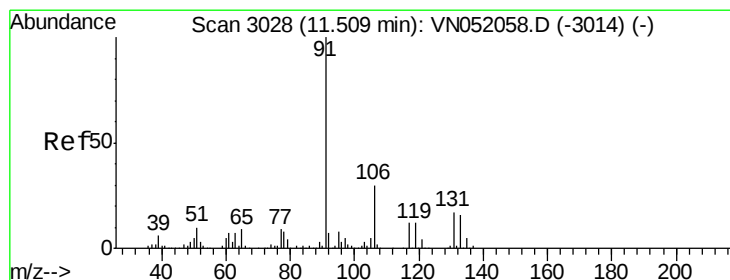
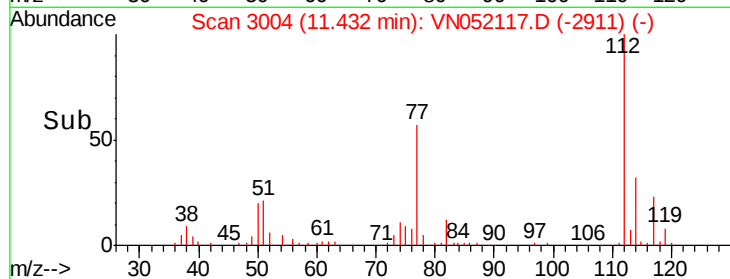
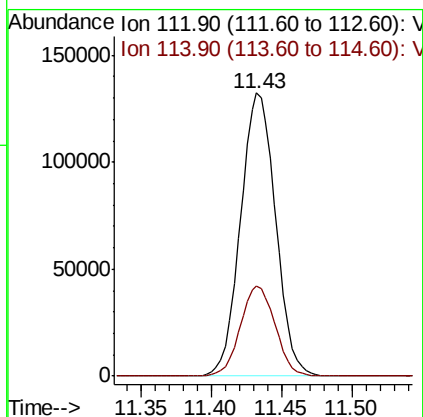
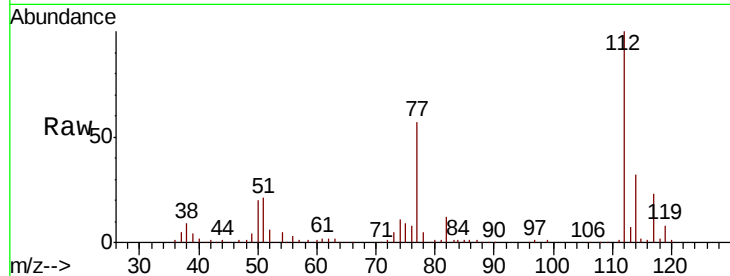




#65
Chlorobenzene
Concen: 20.507 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

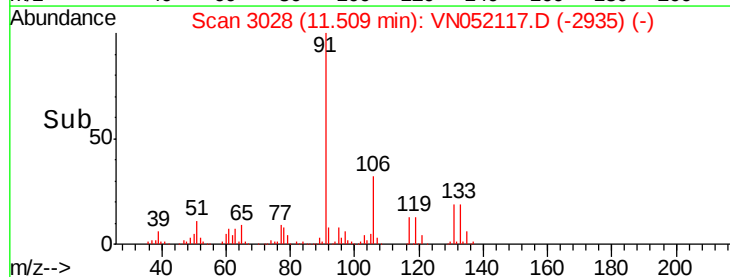
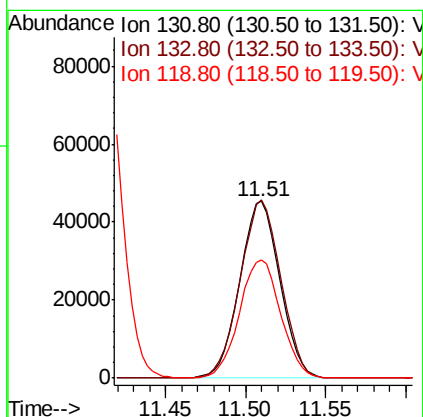
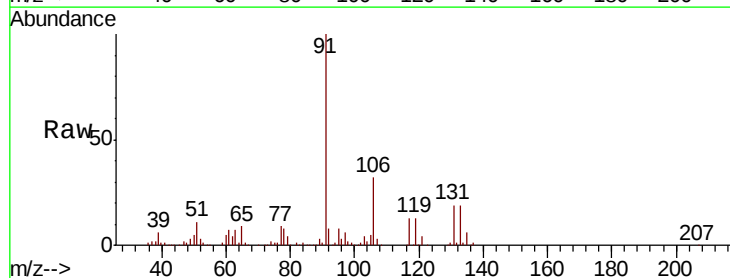
Instrument :
MSVOA_N
ClientSampled :
VN1102WBS01

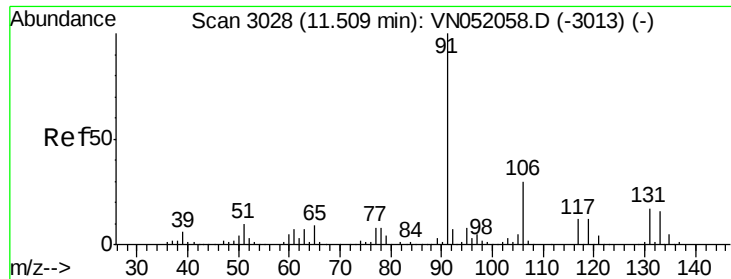
Tot Ion:112 Resp: 230275
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 22.040 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

Tgt Ion:131 Resp: 77709
Ion Ratio Lower Upper
131 100
133 102.0 47.6 142.9
119 68.7 34.4 103.2

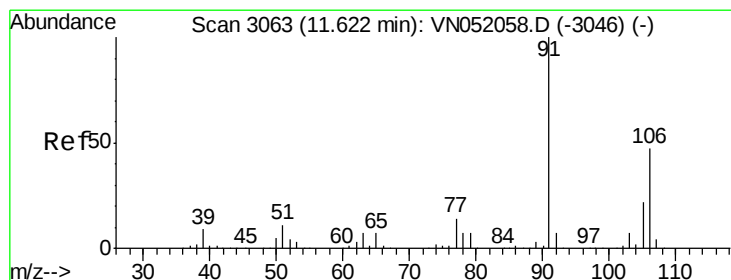
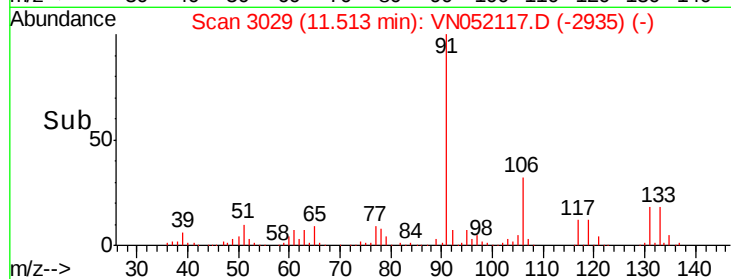
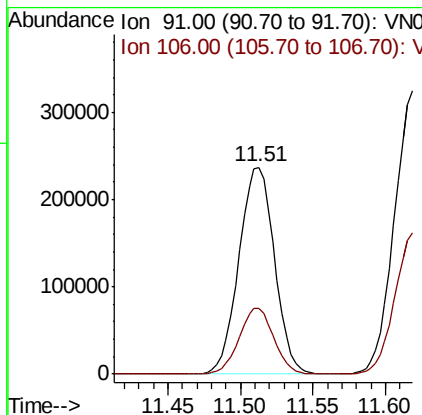
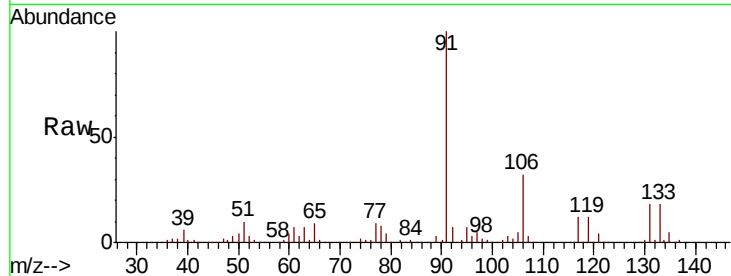




#67
Ethyl Benzene
Concen: 20.202 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

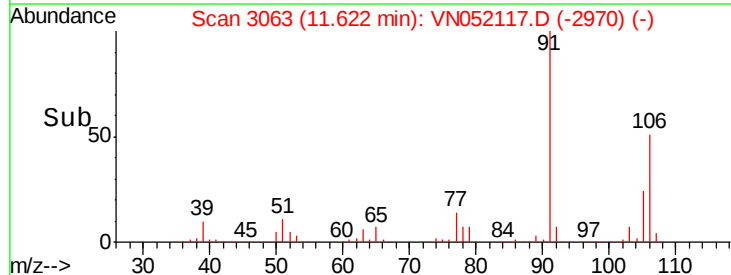
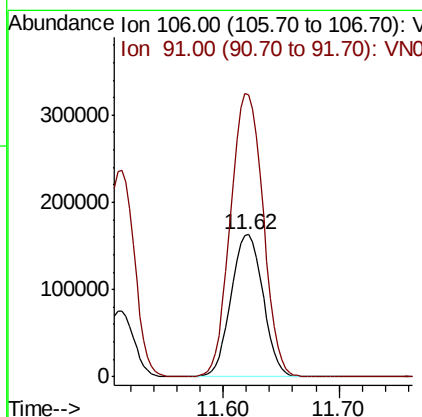
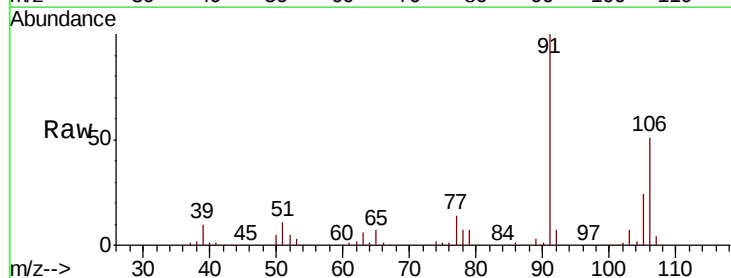
Instrument :
MSVOA_N
ClientSampled :
VN1102WBS01

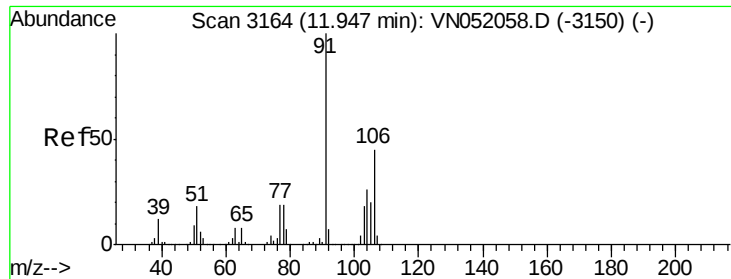
Tot Ion: 91 Resp: 404536
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1



#68
m/p-Xylenes
Concen: 43.531 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

Tgt Ion: 106 Resp: 312008
Ion Ratio Lower Upper
106 100
91 202.3 168.7 253.1

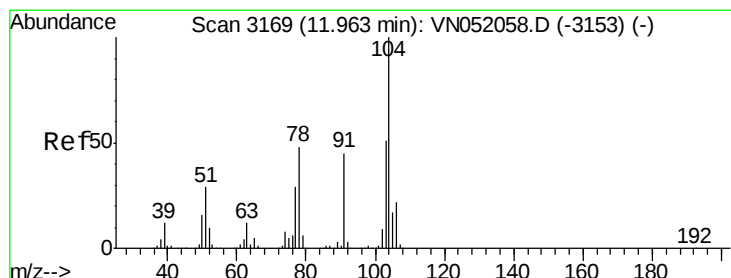
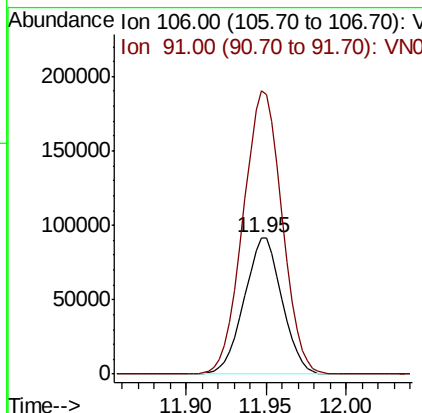
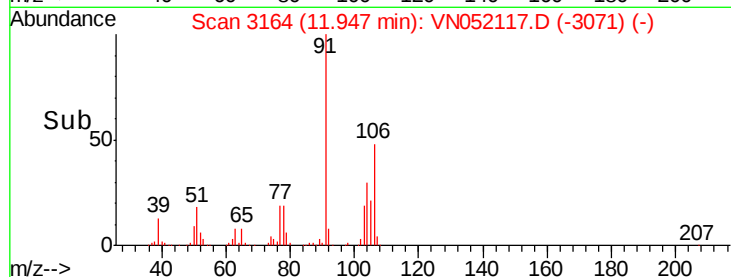
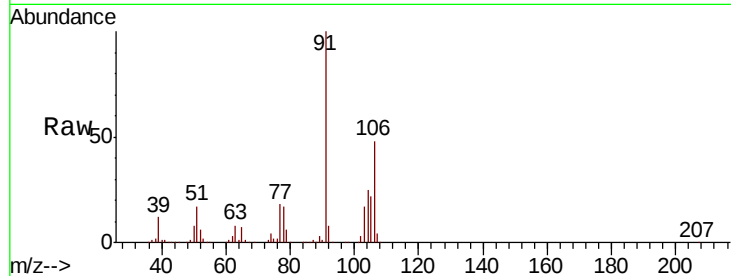




#69
o-Xylene
Concen: 20.904 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

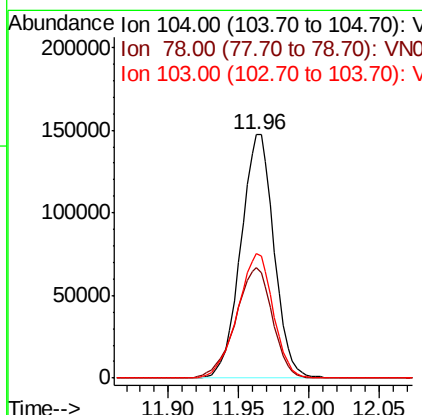
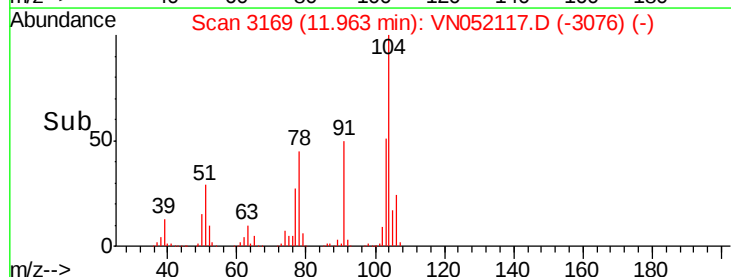
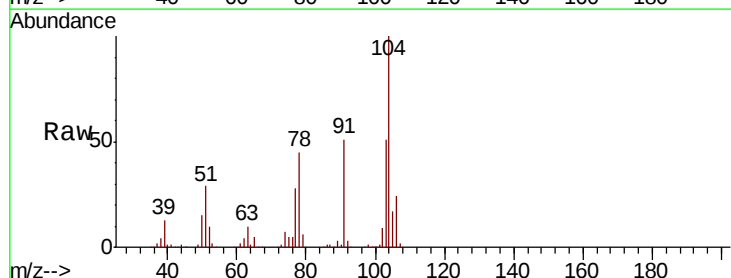
Instrument :
MSVOA_N
ClientSampled :
VN1102WBS01

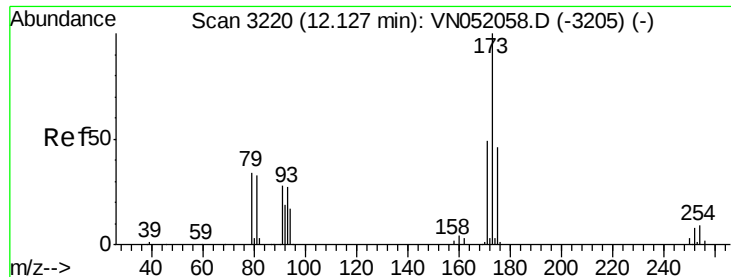
Tot Ion:106 Resp: 148259
Ion Ratio Lower Upper
106 100
91 213.8 109.6 328.6



#70
Styrene
Concen: 21.190 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

Tgt Ion:104 Resp: 243167
Ion Ratio Lower Upper
104 100
78 50.1 43.0 64.6
103 55.0 45.1 67.7





#71

Bromoform

Concen: 20.344 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

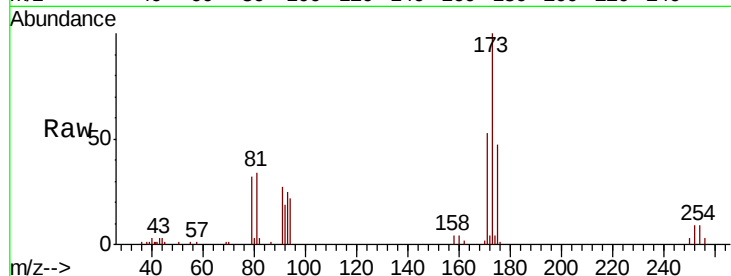
Tot Ion:173 Resp: 43036

Ion Ratio Lower Upper

173 100

175 49.1 23.9 71.7

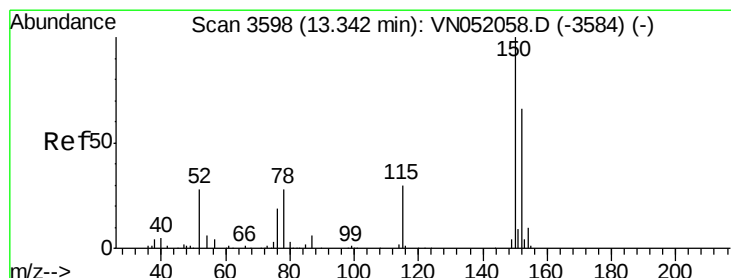
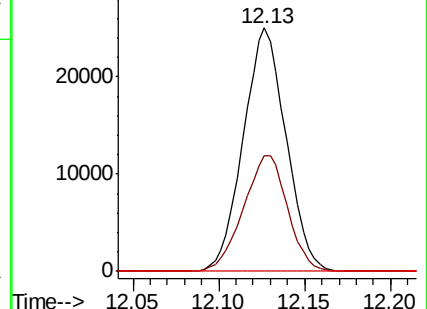
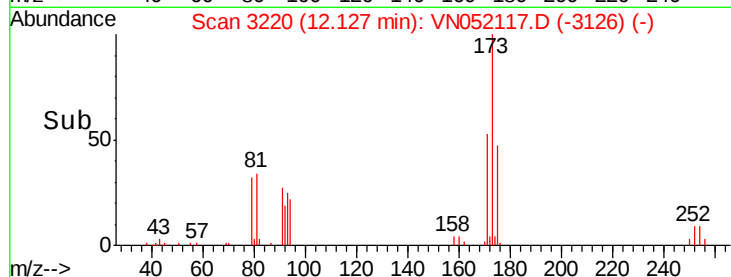
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

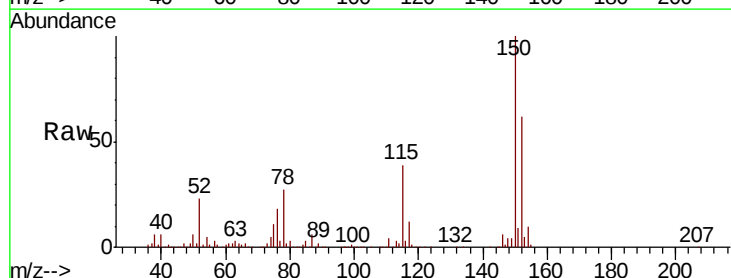
Tgt Ion:152 Resp: 233648

Ion Ratio Lower Upper

152 100

115 61.8 31.6 95.0

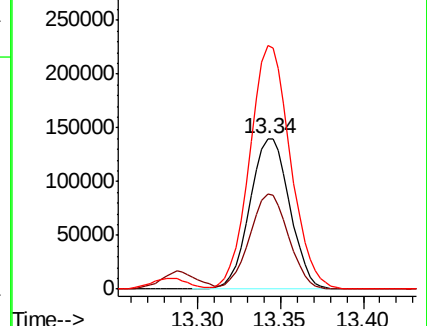
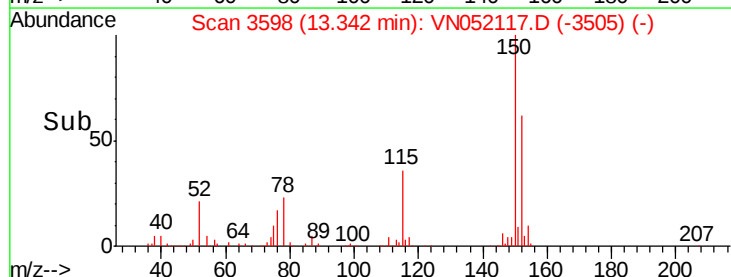
150 165.3 0.0 345.0

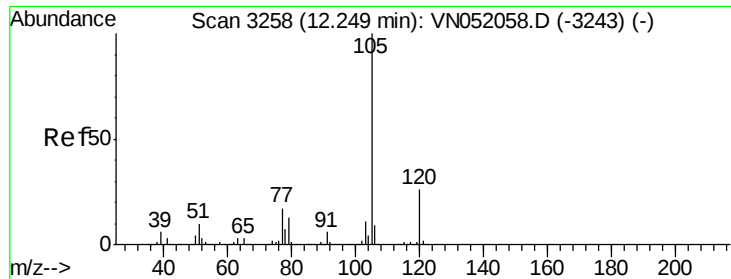


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.693 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

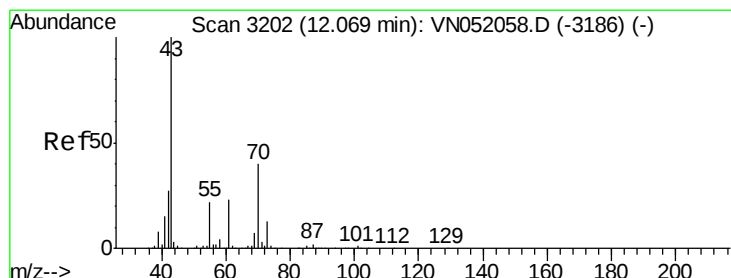
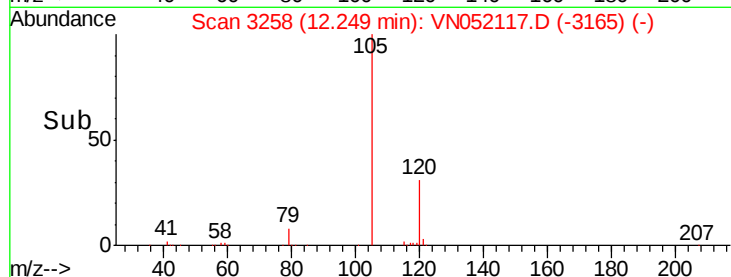
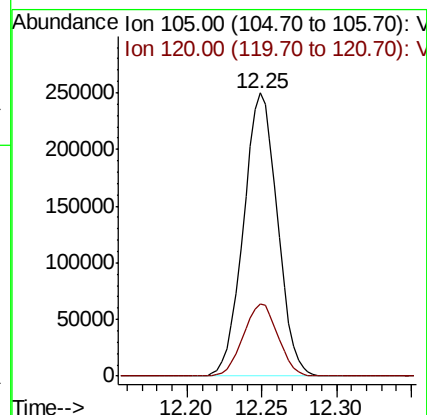
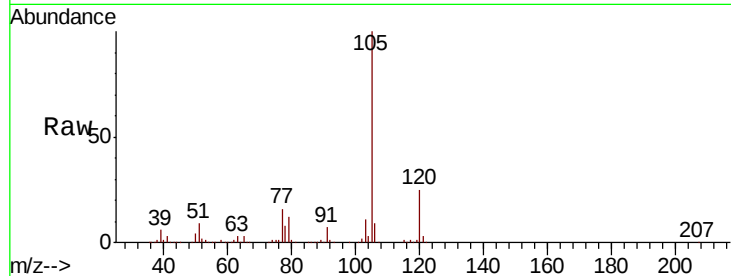
VN1102WBS01

Tot Ion:105 Resp: 393465

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



#74

N-ethyl acetate

Concen: 17.154 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Tgt Ion: 43 Resp: 119614

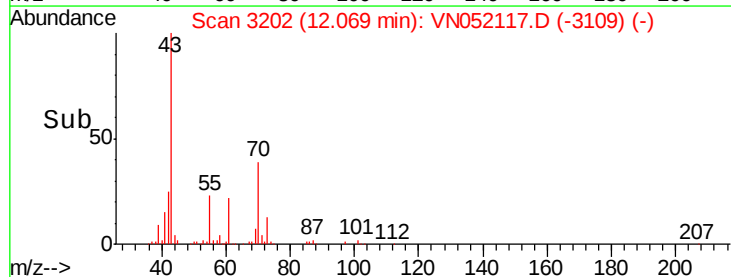
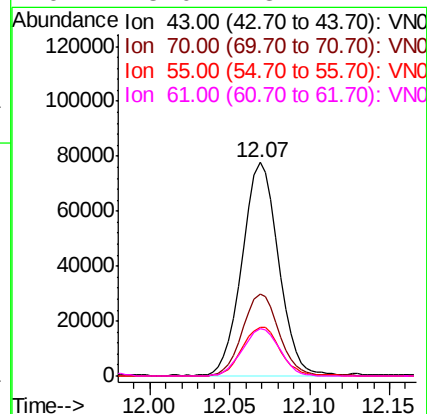
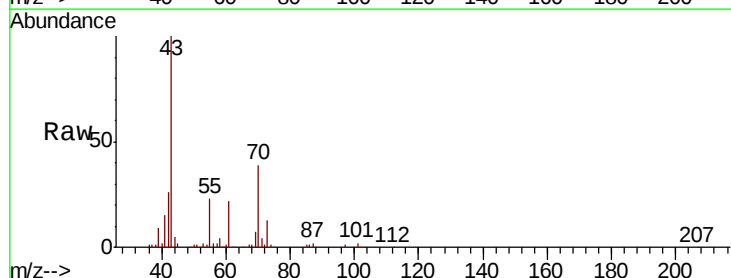
Ion Ratio Lower Upper

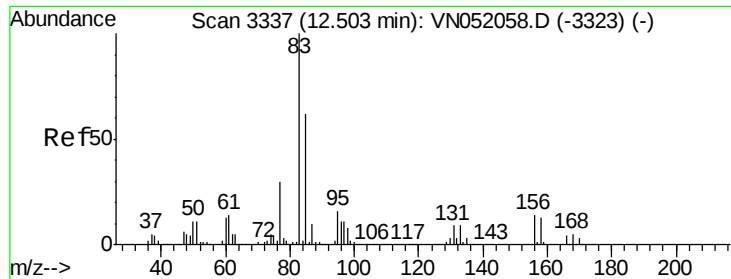
43 100

70 38.8 31.9 47.9

55 24.4 18.4 27.6

61 23.0 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.362 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

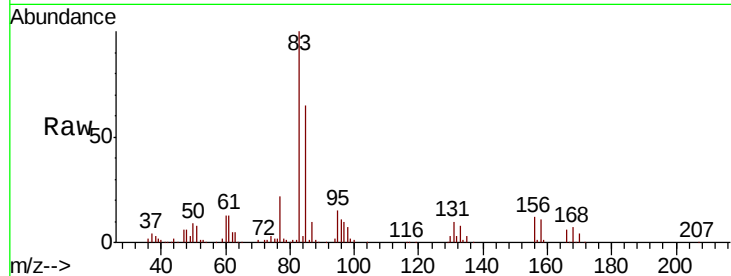
Tot Ion: 83 Resp: 97556

Ion Ratio Lower Upper

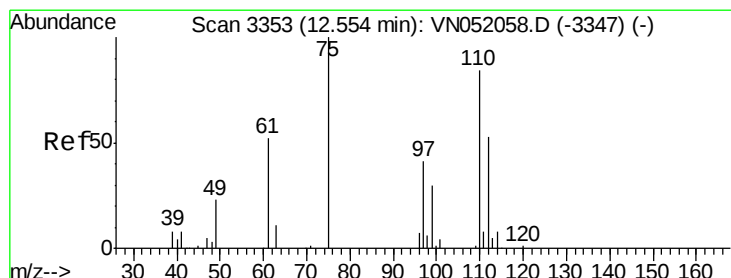
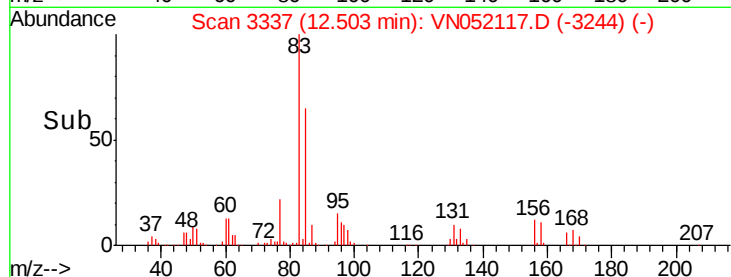
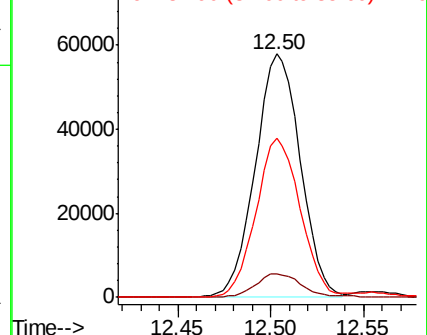
83 100

131 10.1 4.5 13.4

85 64.5 31.3 93.9



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: 27.150 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052117.D

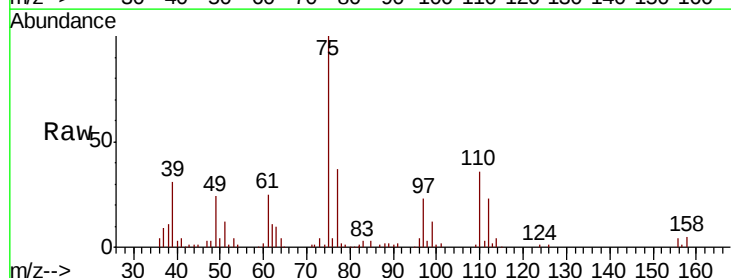
Acq: 2 Nov 2018 9:53

Tgt Ion: 75 Resp: 116120

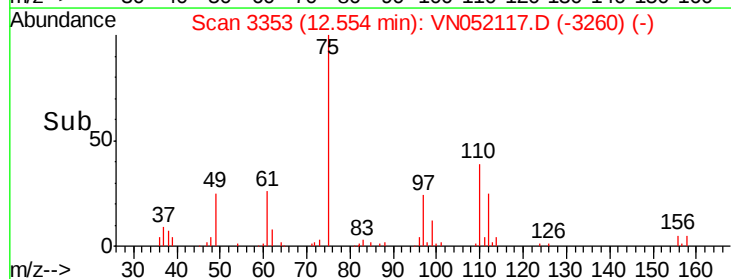
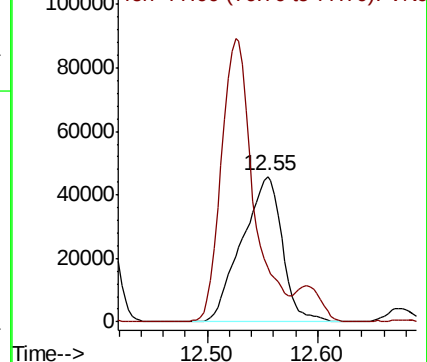
Ion Ratio Lower Upper

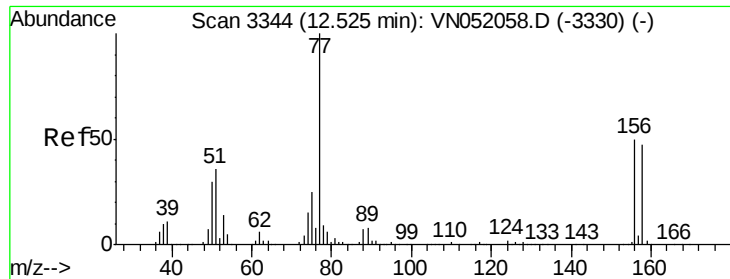
75 100

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: 21.380 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampled :

VN1102WBS01

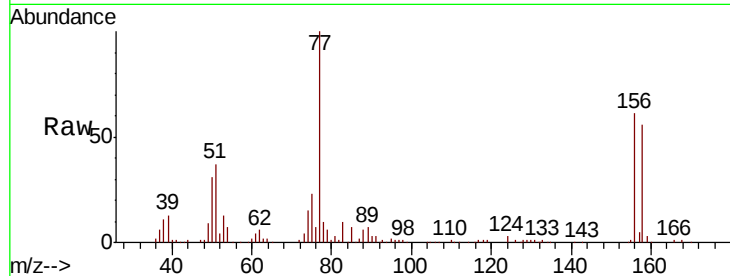
Tot Ion:156 Resp: 89378

Ion Ratio Lower Upper

156 100

77 201.8 119.6 358.6

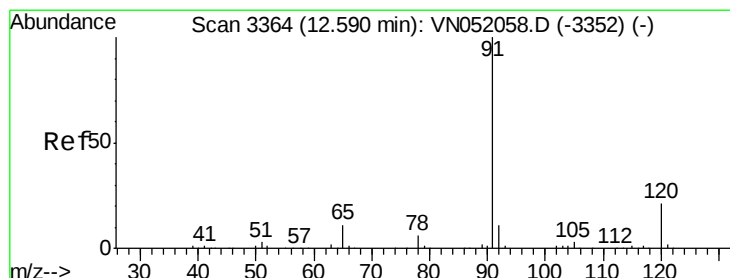
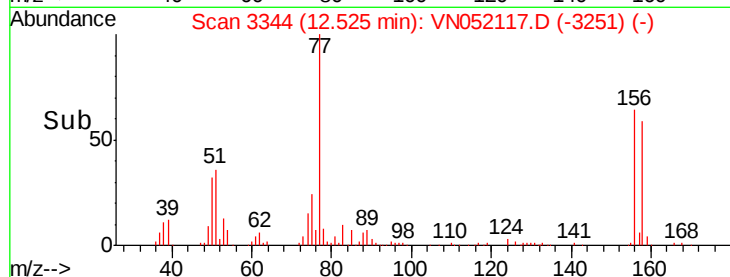
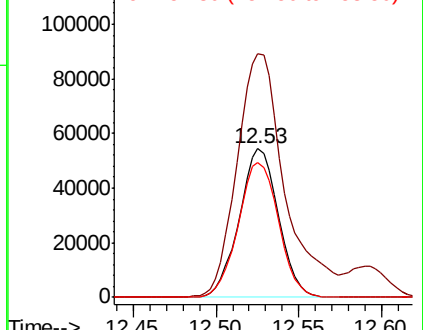
158 93.9 47.8 143.4



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: 19.418 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052117.D

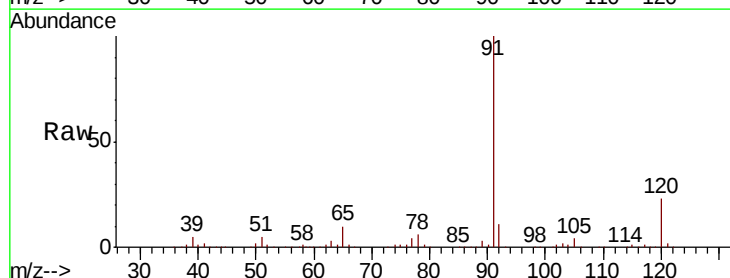
Acq: 2 Nov 2018 9:53

Tgt Ion: 91 Resp: 470121

Ion Ratio Lower Upper

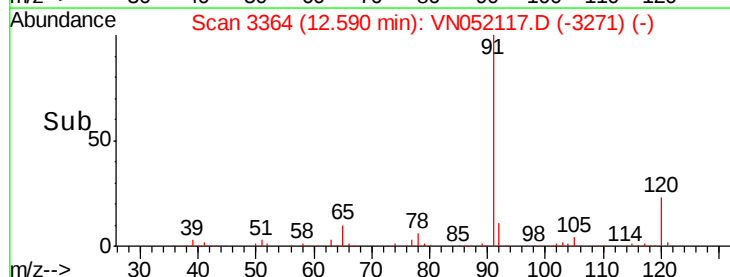
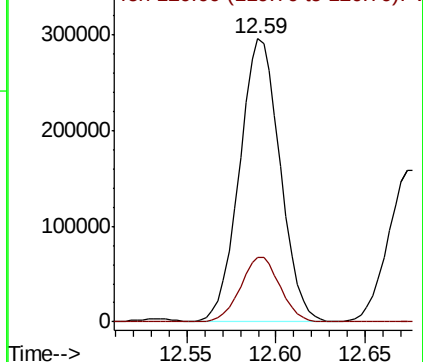
91 100

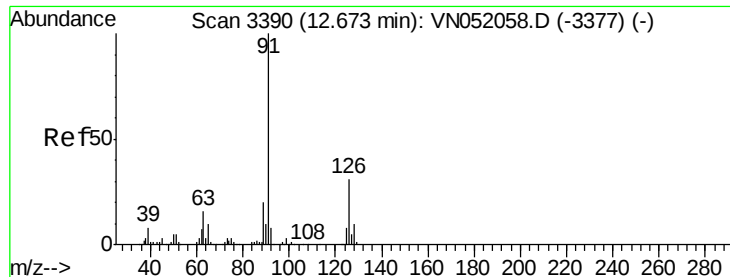
120 22.4 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

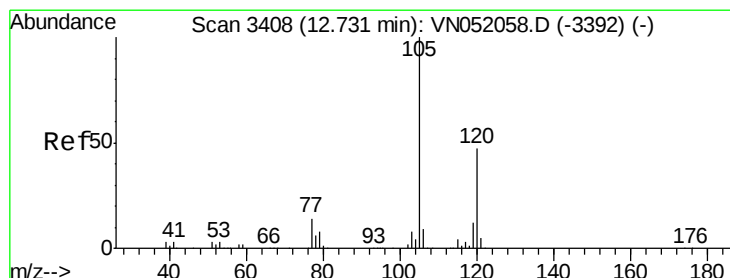
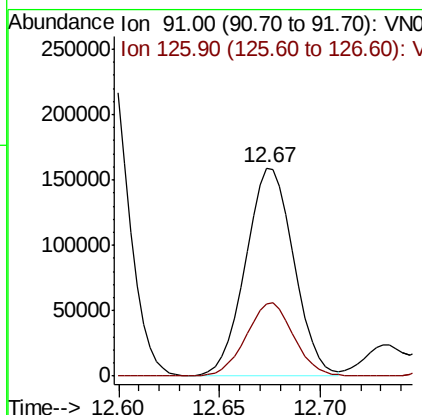
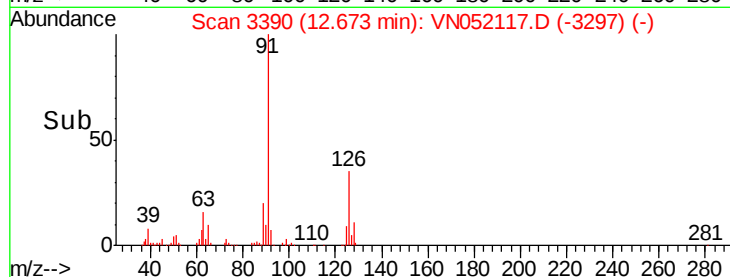
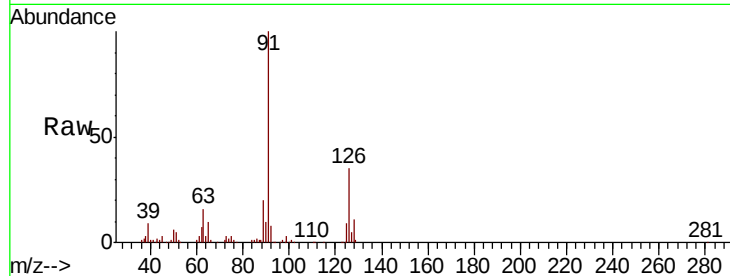




#79
 2-Chlorotoluene
 Concen: 18.814 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

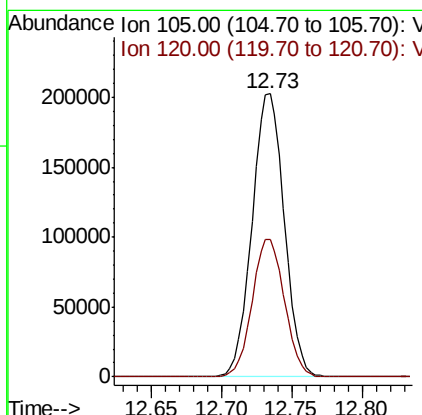
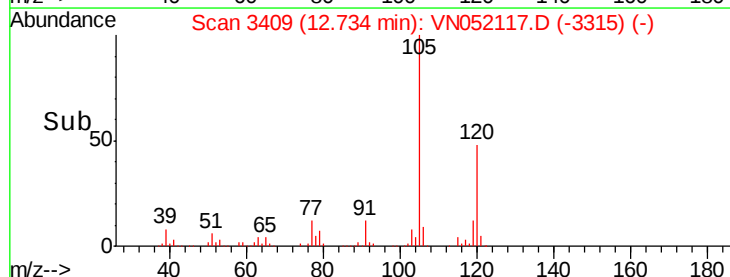
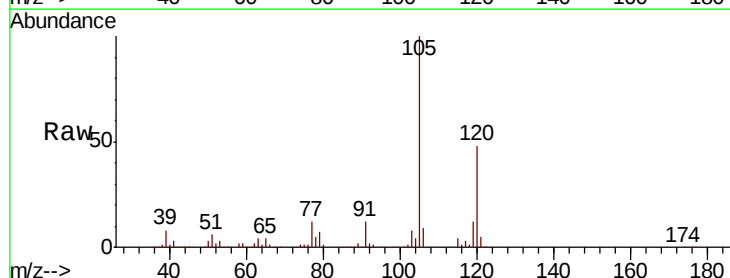
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

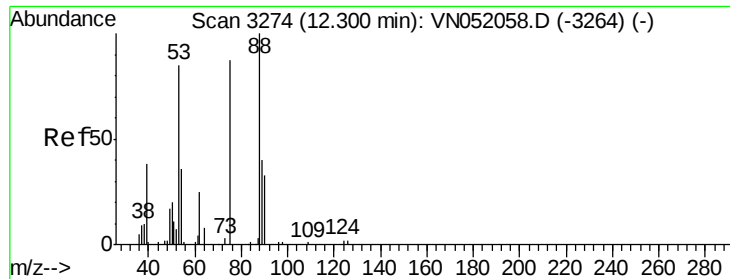
Tot Ion: 91 Resp: 265535
 Ion Ratio Lower Upper
 91 100
 126 34.8 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 19.952 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Tgt Ion: 105 Resp: 324396
 Ion Ratio Lower Upper
 105 100
 120 48.5 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.288 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

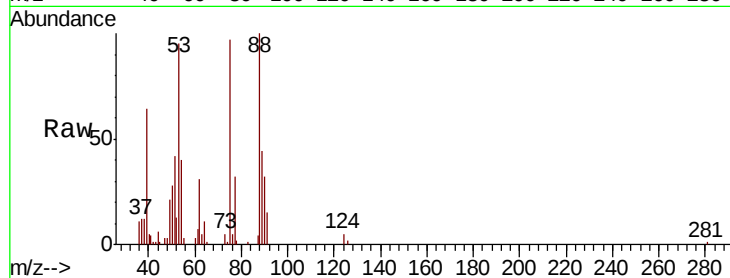
Tot Ion: 75 Resp: 23566

Ion Ratio Lower Upper

75 100

53 103.7 81.8 122.6

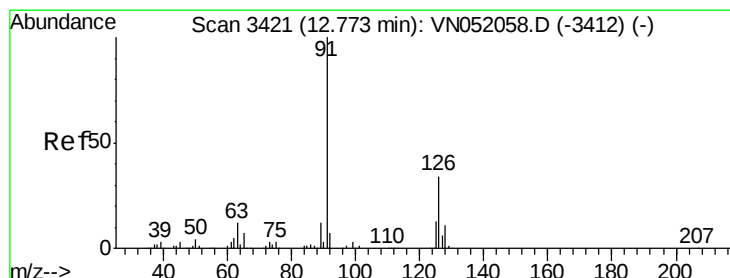
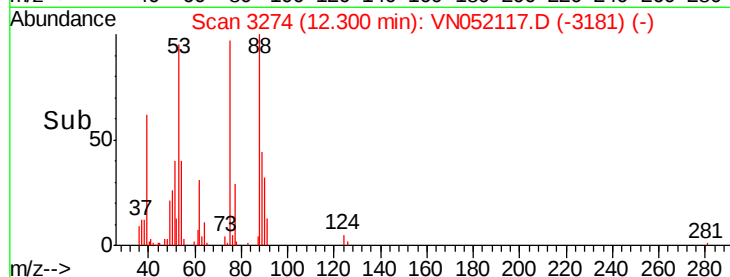
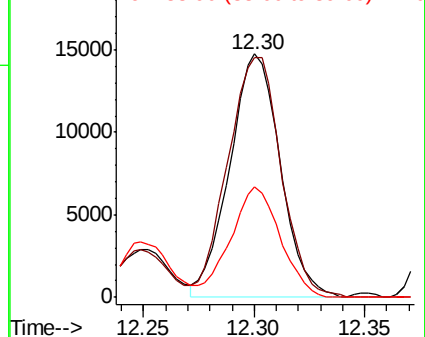
89 44.2 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VN052117.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN052117.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN052117.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 19.322 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052117.D

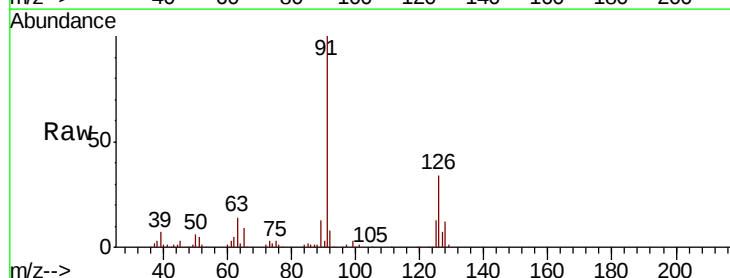
Acq: 2 Nov 2018 9:53

Tgt Ion: 91 Resp: 278080

Ion Ratio Lower Upper

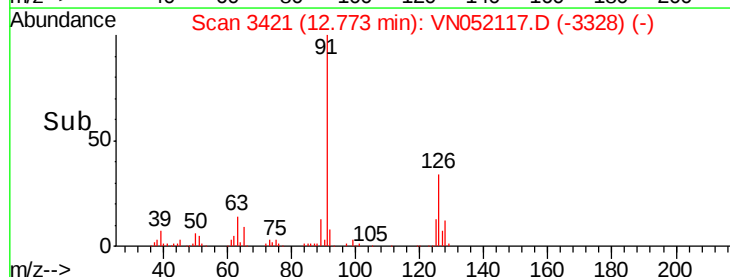
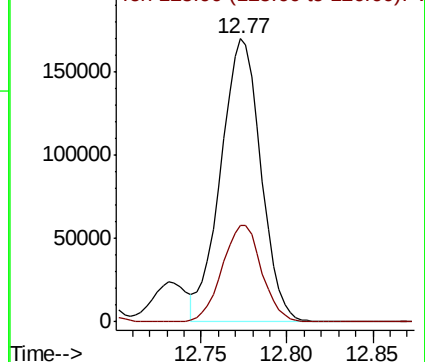
91 100

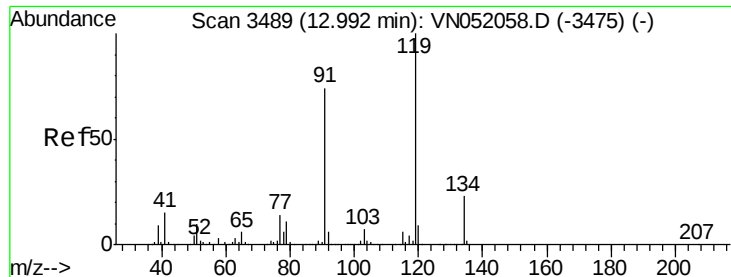
126 33.5 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN052117.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN052117.D (-3328) (-)

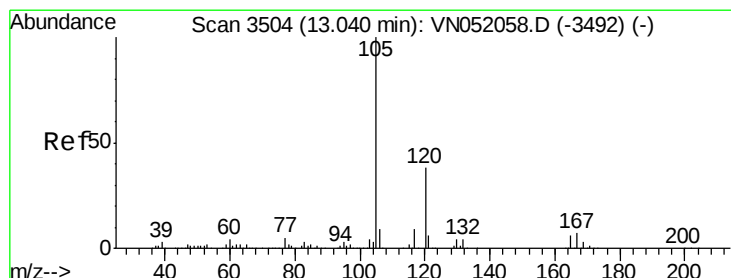
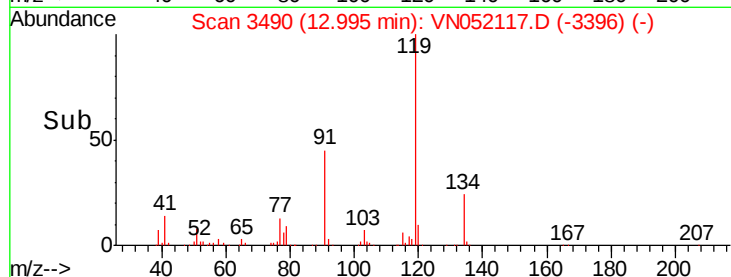
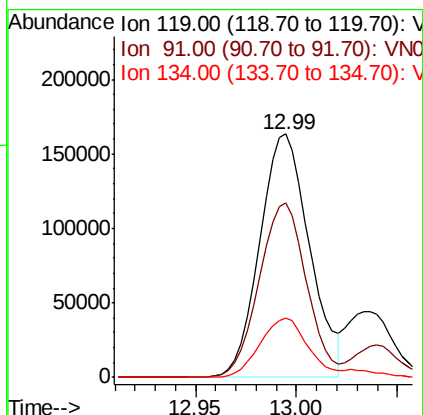
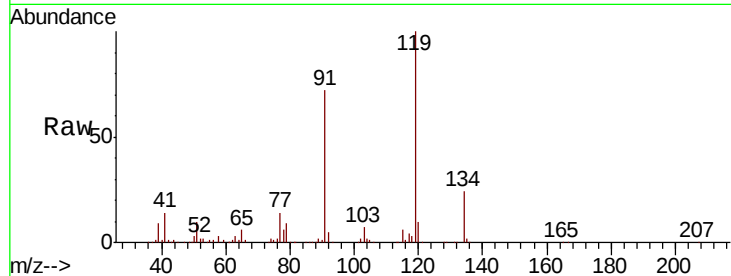




#83
tert-Butylbenzene
Concen: 20.546 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

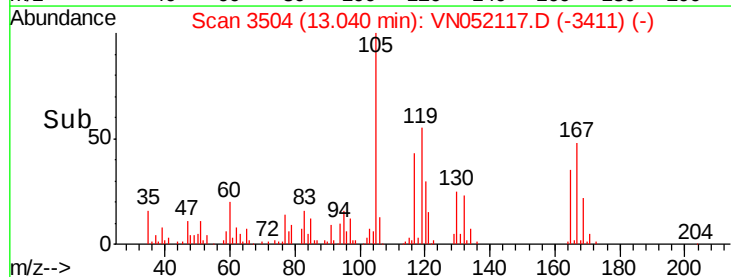
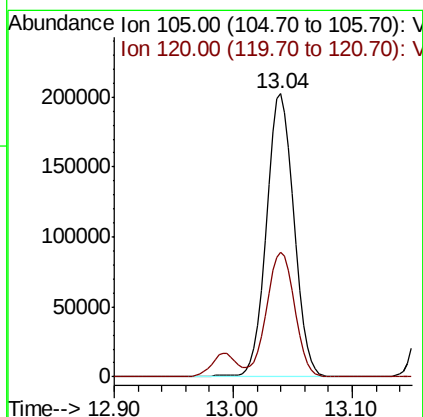
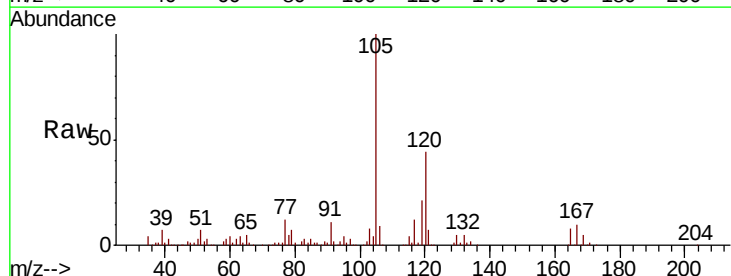
Instrument :
MSVOA_N
ClientSampleId :
VN1102WBS01

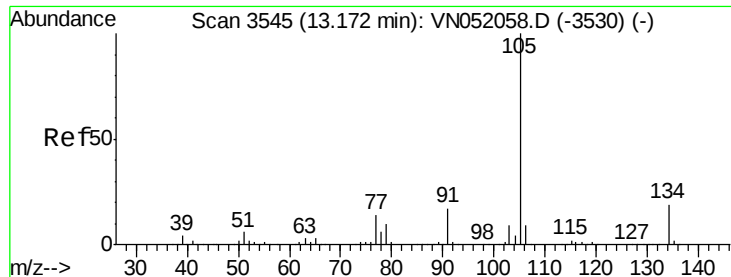
Tot Ion:119 Resp: 280626
Ion Ratio Lower Upper
119 100
91 68.2 36.6 109.9
134 23.3 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 20.028 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052117.D
Acq: 2 Nov 2018 9:53

Tgt Ion:105 Resp: 324125
Ion Ratio Lower Upper
105 100
120 44.8 21.9 65.5





#85

sec-Butylbenzene

Concen: 19.838 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampled :

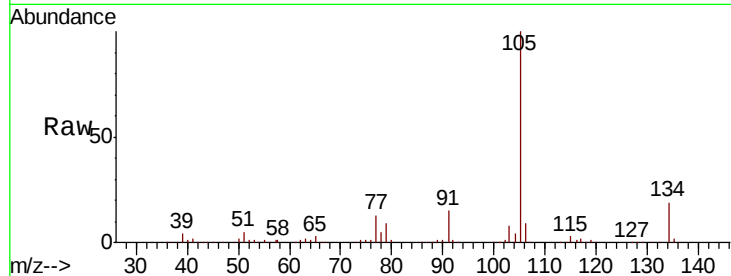
VN1102WBS01

Tot Ion:105 Resp: 387062

Ion Ratio Lower Upper

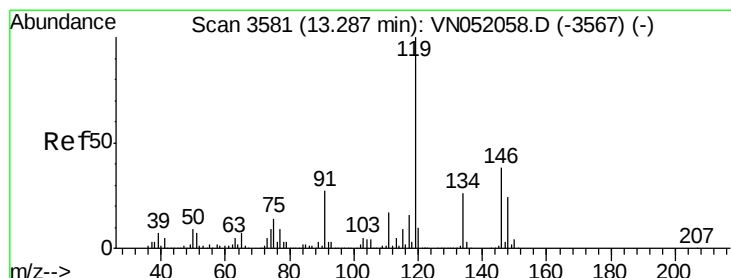
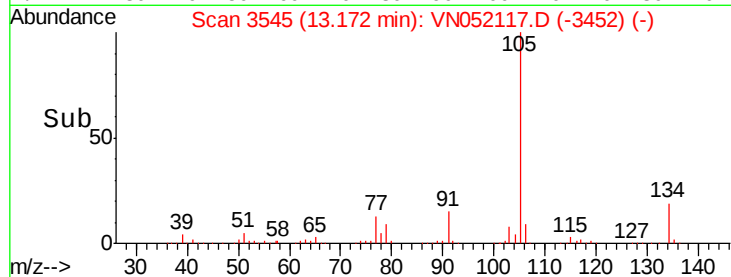
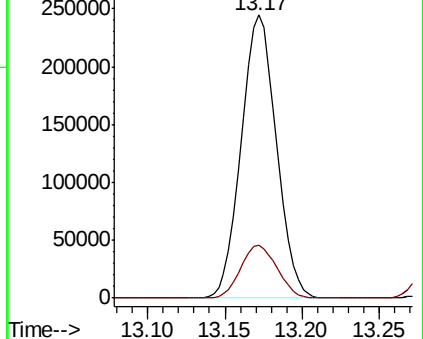
105 100

134 19.3 9.1 27.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.627 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

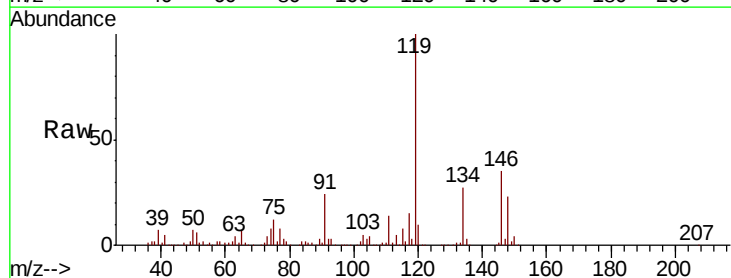
Tgt Ion:119 Resp: 327769

Ion Ratio Lower Upper

119 100

134 26.7 12.8 38.3

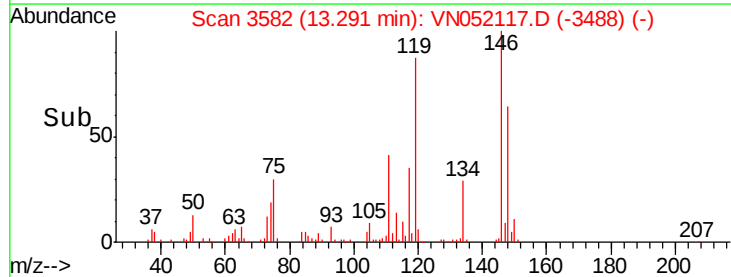
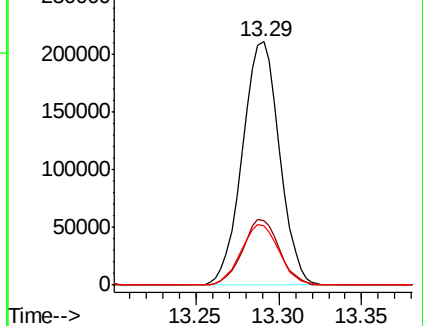
91 25.6 13.4 40.2

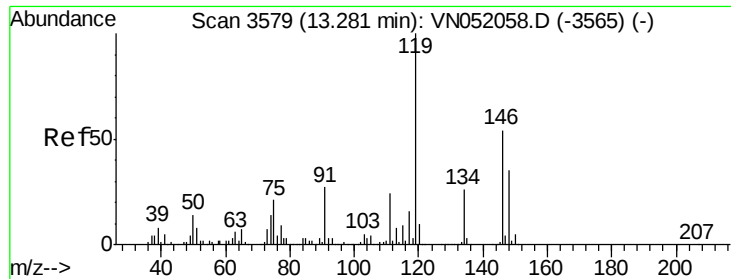


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

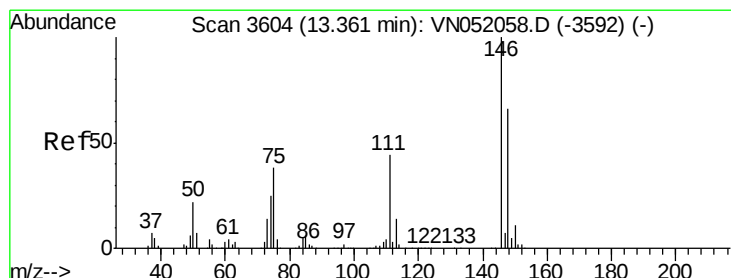
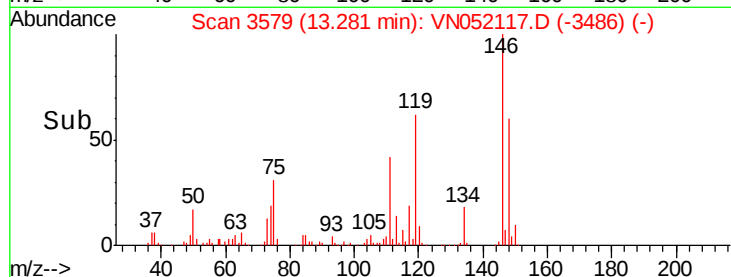
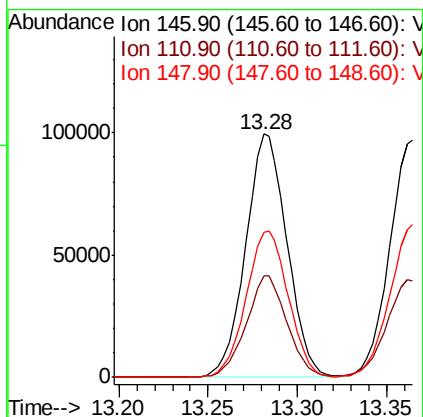
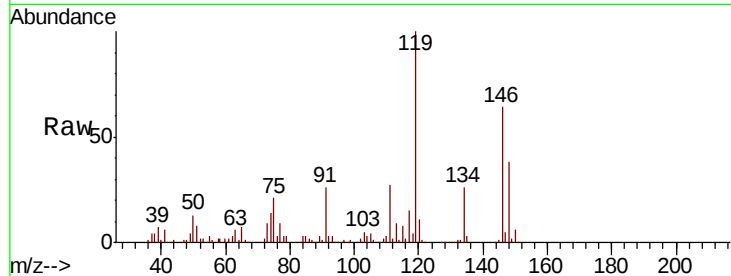




#87
 1,3-Dichlorobenzene
 Concen: 21.182 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

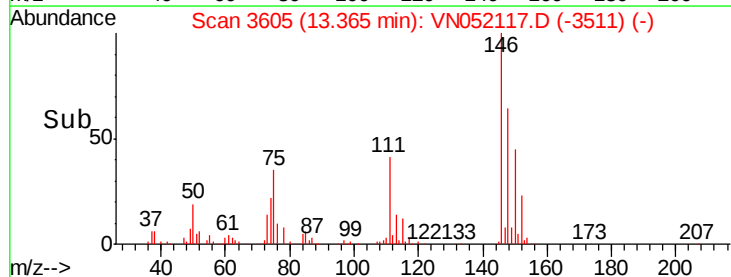
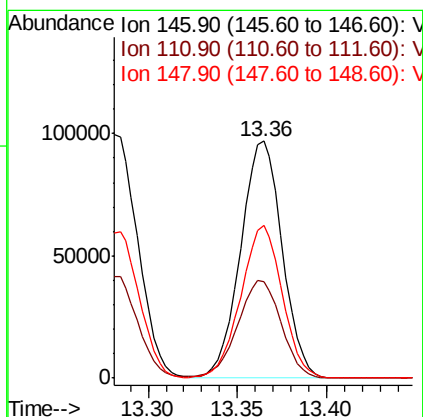
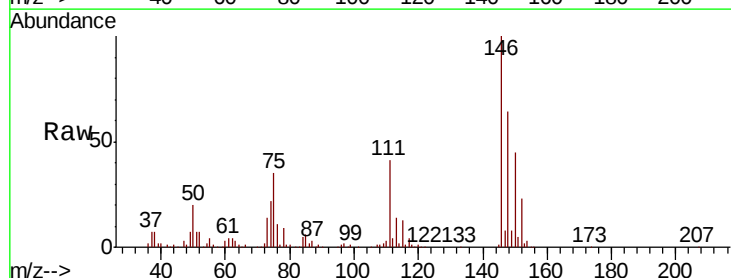
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

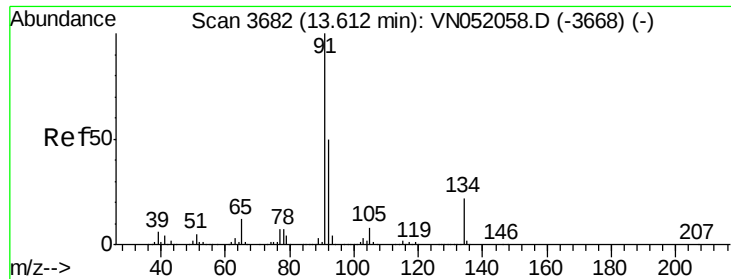
Tot Ion:146 Resp: 161492
 Ion Ratio Lower Upper
 146 100
 111 41.2 22.9 68.8
 148 61.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.603 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Tgt Ion:146 Resp: 157432
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.9 65.8
 148 64.3 32.6 98.0





#89

n-Butylbenzene

Concen: 18.893 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

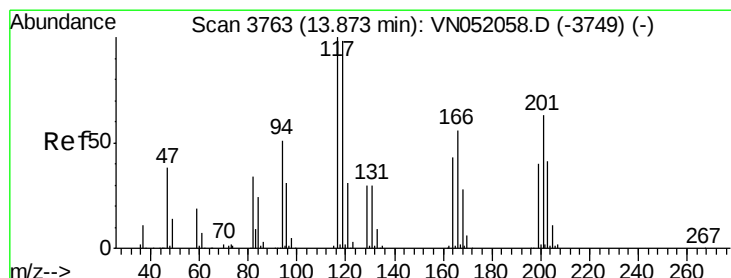
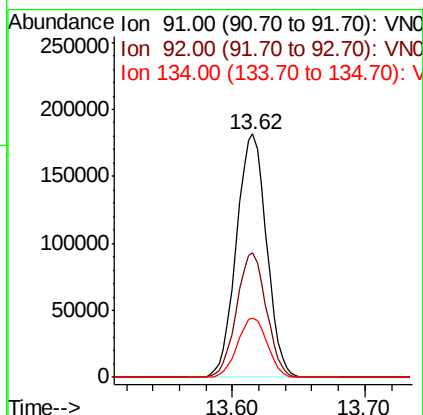
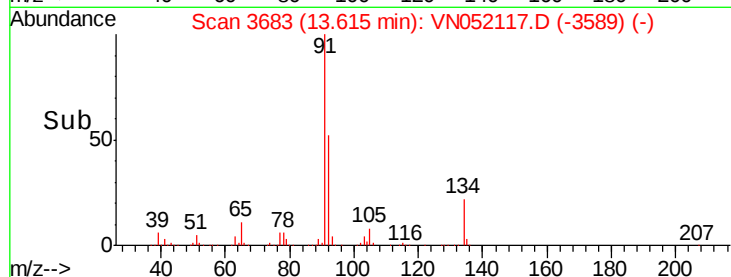
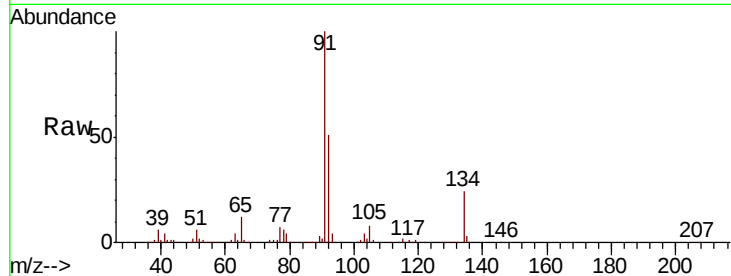
Tot Ion: 91 Resp: 286299

Ion Ratio Lower Upper

91 100

92 50.6 25.3 75.8

134 24.2 11.2 33.5



#90

Hexachloroethane

Concen: 19.359 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052117.D

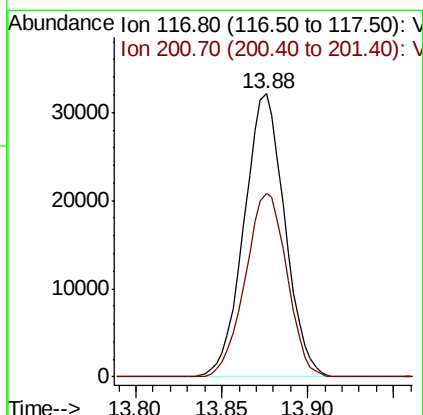
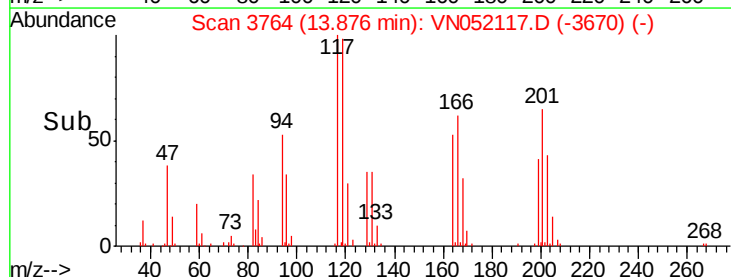
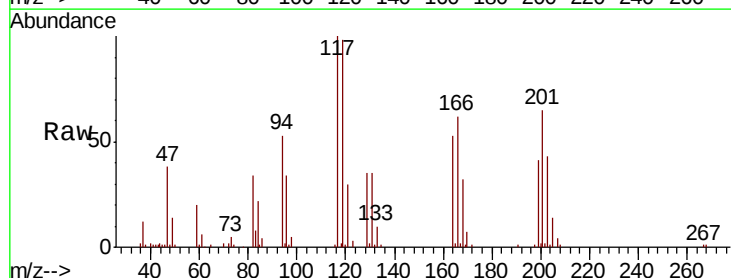
Acq: 2 Nov 2018 9:53

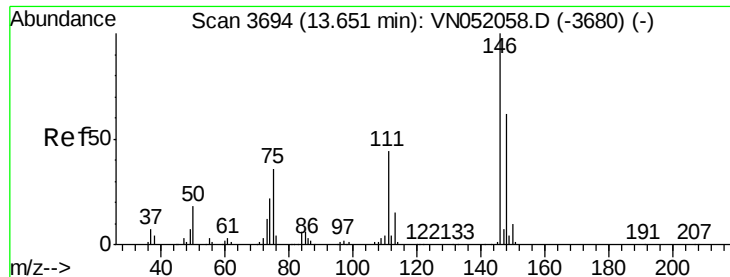
Tgt Ion: 117 Resp: 52716

Ion Ratio Lower Upper

117 100

201 66.2 31.1 93.5





#91

1,2-Dichlorobenzene

Concen: 21.246 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampleId :

VN1102WBS01

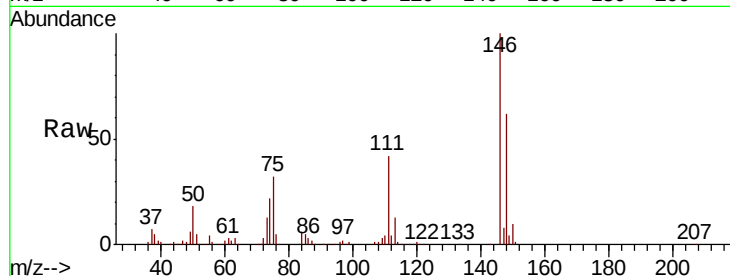
Tot Ion:146 Resp: 152291

Ion Ratio Lower Upper

146 100

111 43.2 22.5 67.5

148 63.1 30.9 92.8

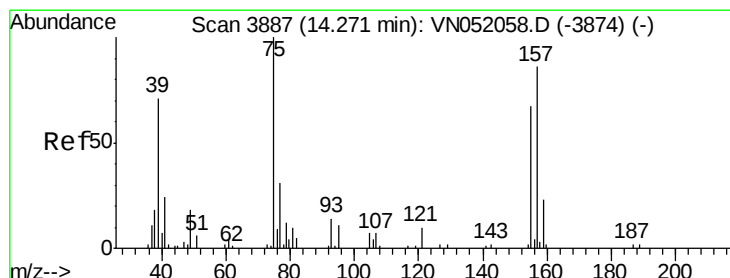
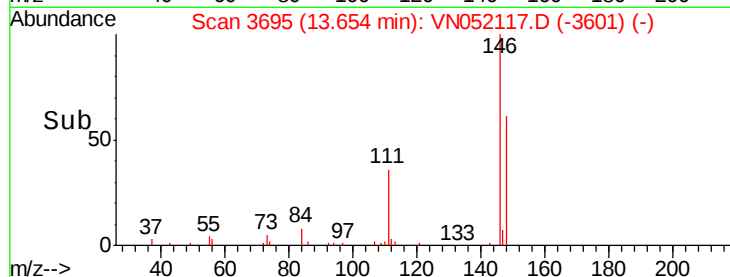
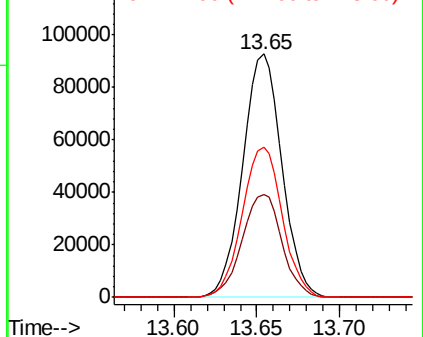


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.644 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

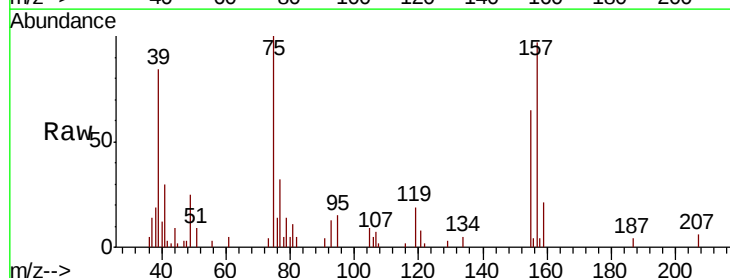
Tgt Ion: 75 Resp: 12470

Ion Ratio Lower Upper

75 100

155 77.7 34.0 102.0

157 97.6 42.1 126.4

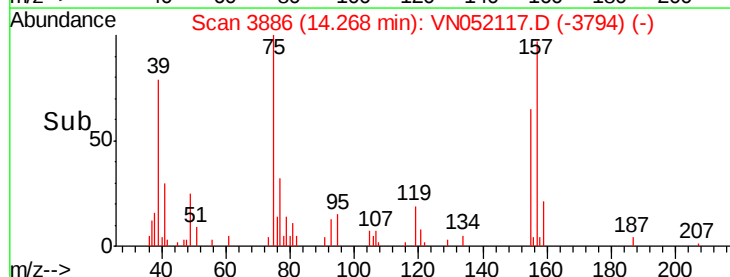
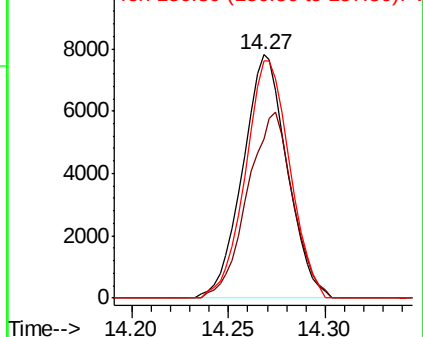


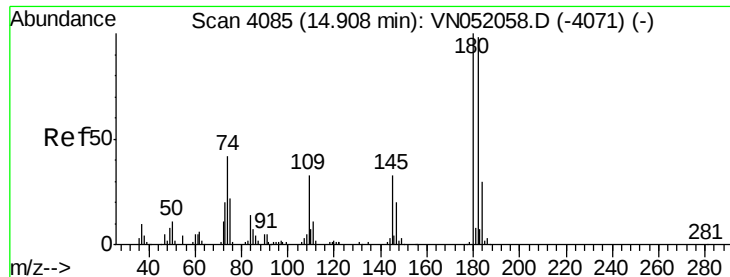
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

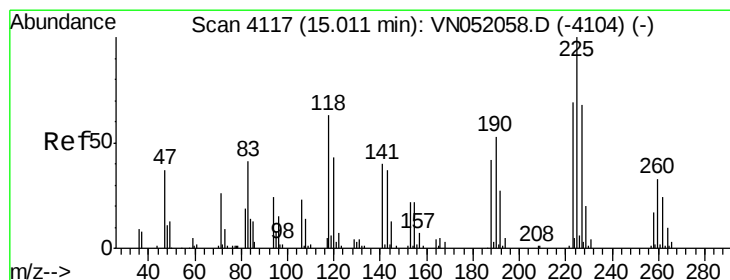
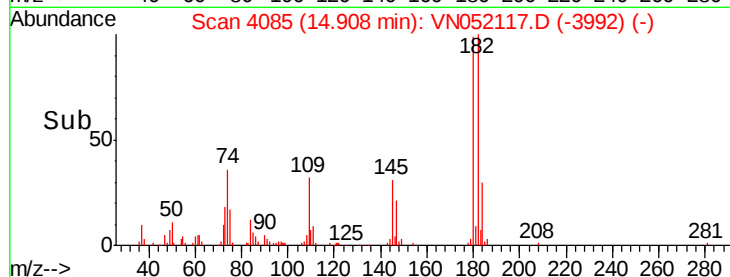
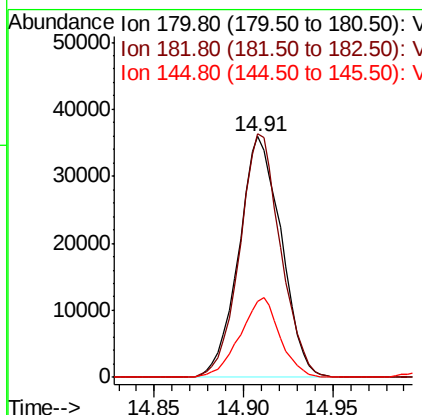
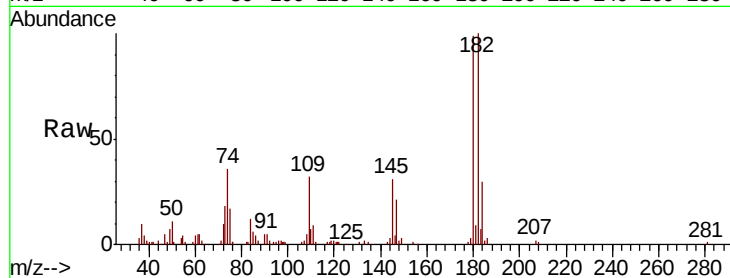




#93
 1,2,4-Trichlorobenzene
 Concen: 22.367 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

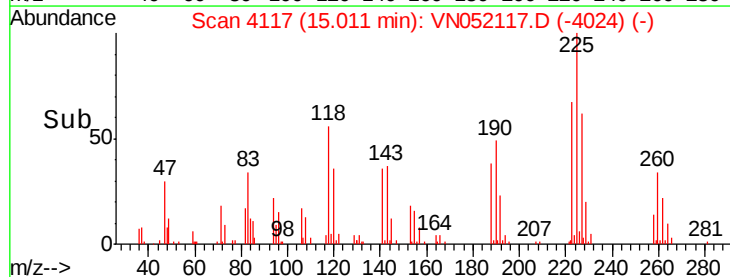
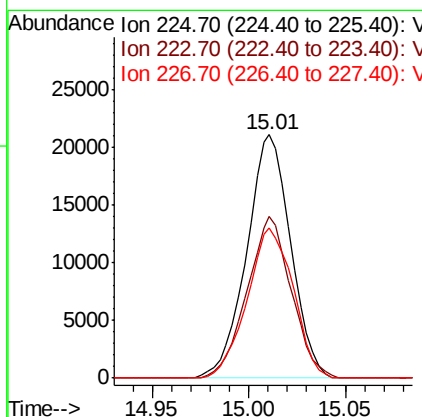
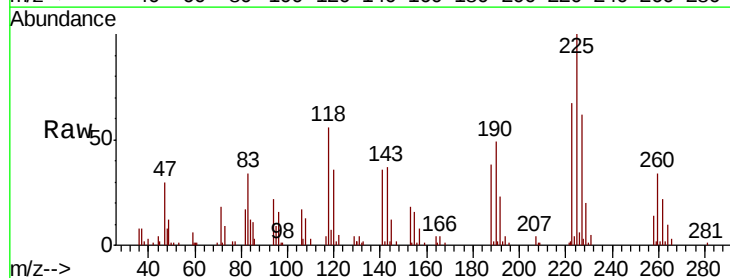
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS01

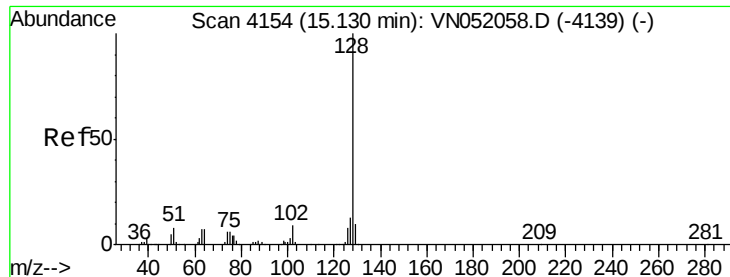
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	49.1	147.4
145	31.2	16.4	49.2



#94
 Hexachlorobutadiene
 Concen: 22.401 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052117.D
 Acq: 2 Nov 2018 9:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.7	33.1	99.3
227	64.5	32.6	97.8





#95

Naphthalene

Concen: 21.558 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

Instrument :

MSVOA_N

ClientSampled :

VN1102WBS01

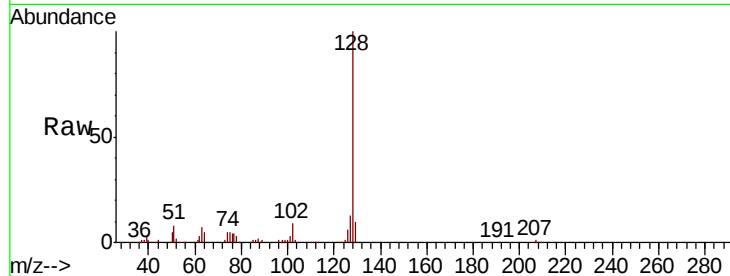
Tot Ion:128 Resp: 144324

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

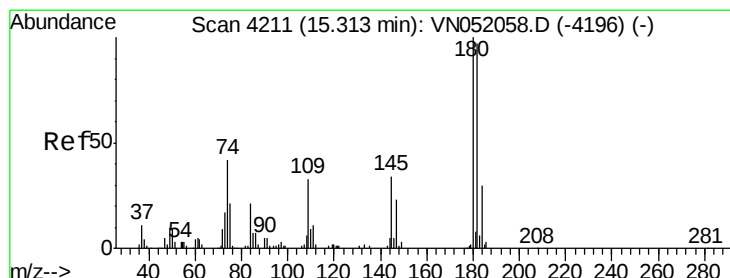
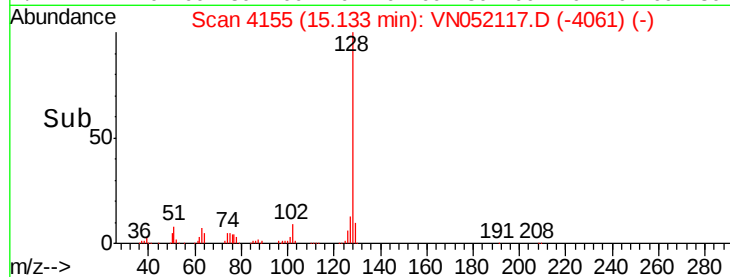
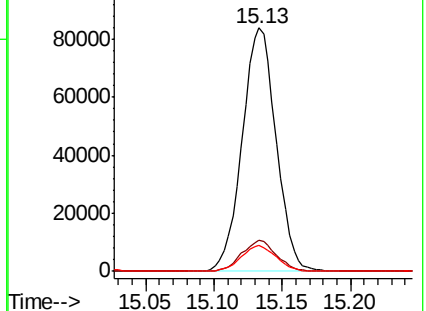
129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.311 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052117.D

Acq: 2 Nov 2018 9:53

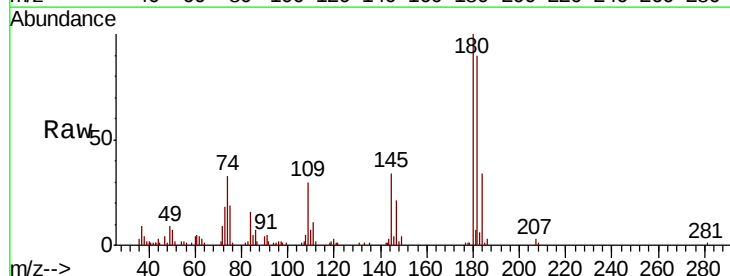
Tgt Ion:180 Resp: 53691

Ion Ratio Lower Upper

180 100

182 94.9 47.2 141.6

145 36.4 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

