

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050306.D
 Acq On : 3 Aug 2018 11:38
 Operator : MD\SY
 Sample : VN0803WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

Quant Time: Aug 03 23:06:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	126673	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	688146	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	597052	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	264628	30.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.43%
60) 4-Bromofluorobenzene	12.40	95	268171	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	10.09	98	863739	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	153818	17.62	ug/l	99
3) Chloromethane	2.06	50	142993	15.89	ug/l	98
4) Vinyl Chloride	2.18	62	162099	16.92	ug/l	97
5) Bromomethane	2.56	94	36384	6.23	ug/l	99
6) Chloroethane	2.70	64	95921	16.93	ug/l	98
7) Trichlorofluoromethane	3.01	101	227208	18.15	ug/l	100
8) Diethyl Ether	3.41	74	79322	18.89	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	141217	18.54	ug/l	98
10) 1,1-Dichloroethene	3.73	96	120541	17.85	ug/l	92
11) Methyl Iodide	3.95	142	35266	3.55	ug/l	93
12) Methyl Acetate	4.33	43	188803	24.40	ug/l	98
13) Acrolein	3.61	56	11805	24.69	ug/l	94
14) Acrylonitrile	4.99	53	250392	96.99	ug/l	97
15) Acetone	3.82	58	69178	100.83	ug/l	93
16) Carbon Disulfide	4.05	76	319905	15.48	ug/l	100
17) Allyl chloride	4.32	41	193161	18.11	ug/l	99
18) Methylene Chloride	4.55	84	145716	18.70	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	129568	17.92	ug/l	95
20) Diisopropyl ether	5.96	45	427045	19.53	ug/l	99
21) 1,1-Dichloroethane	5.85	63	260217	18.92	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	148003	18.46	ug/l	97
23) tert-Butyl Alcohol	4.81	59	59936	103.90	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	354771	19.26	ug/l	97
25) Chloroform	7.37	83	266966	19.18	ug/l	98
26) Cyclohexane	7.65	56	189618	17.35	ug/l #	98
29) 1,1-Dichloropropene	7.79	75	186772	17.49	ug/l	99
30) 2-Butanone	6.84	43	307199	91.67	ug/l	99
31) 2,2-Dichloropropane	6.82	77	210275	17.81	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	225407	17.93	ug/l	99
33) Carbon Tetrachloride	7.77	117	196802	17.56	ug/l	96
34) Benzene	8.04	78	577116	17.79	ug/l	99
35) Methacrylonitrile	7.17	41	52735	13.82	ug/l	97
36) 1,2-Dichloroethane	8.13	62	190199	17.86	ug/l	99
37) Trichloroethene	8.84	130	149375	17.56	ug/l	98
38) Methylcyclohexane	9.08	83	184995	16.43	ug/l	99
39) 1,2-Dichloropropane	9.12	63	157453	18.43	ug/l	100
40) Dibromomethane	9.21	93	95934	18.17	ug/l	99

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VN0803WBS01

Quant Time: Aug 03 23:06:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	202757	18.20	ug/l	97
42) Vinyl Acetate	5.90	43	1352781	85.78	ug/l	99
43) Ethyl Acetate	6.93	43	129883	18.56	ug/l #	89
44) Isopropyl Acetate	8.17	43	270423	20.86	ug/l #	91
45) 1,4-Dioxane	9.20	88	32800	384.51	ug/l	95
46) Methyl methacrylate	9.20	41	111193	17.69	ug/l	99
47) n-amyl Acetate	12.07	43	173032	17.15	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	190613	17.95	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	223007	17.88	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	140136	18.49	ug/l	98
51) Ethyl methacrylate	10.43	69	161661	17.57	ug/l	99
52) 1,3-Dichloropropane	10.71	76	226990	18.24	ug/l	99
53) Dibromochloromethane	10.90	129	154211	17.93	ug/l	99
54) 1,2-Dibromoethane	11.01	107	132440	17.84	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	355305	85.33	ug/l	100
56) Bromoform	12.13	173	104732	17.24	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	686918	98.88	ug/l	99
59) 2-Hexanone	10.75	43	446449	94.20	ug/l	99
61) Tetrachloroethene	10.63	164	139398	17.24	ug/l	95
62) Toluene	10.16	91	617559	18.13	ug/l	99
64) Chlorobenzene	11.44	112	376021	18.20	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	150268	18.65	ug/l	100
66) Ethyl Benzene	11.51	91	620427	17.82	ug/l	100
67) m/p-Xylenes	11.62	106	490025	36.58	ug/l	99
68) o-Xylene	11.95	106	231557	18.17	ug/l	99
69) Styrene	11.97	104	366918	17.96	ug/l	99
70) Isopropylbenzene	12.25	105	628631	18.52	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	180240	19.34	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	203242	25.53	ug/l	50
73) Bromobenzene	12.53	156	160376	17.73	ug/l	97
74) n-propylbenzene	12.59	91	713008	18.03	ug/l	99
75) 2-Chlorotoluene	12.68	91	434944	18.32	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	516605	18.53	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	40318	15.49	ug/l	94
78) 4-Chlorotoluene	12.77	91	423168	17.98	ug/l	100
79) tert-butylbenzene	12.99	119	443617	18.61	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	519068	18.37	ug/l	99
81) sec-Butylbenzene	13.17	105	592001	18.28	ug/l	99
82) p-Isopropyltoluene	13.29	119	499947	18.09	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	276808	17.58	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	259081	17.41	ug/l	100
85) n-Butylbenzene	13.62	91	375046	16.73	ug/l	99
86) Hexachloroethane	13.88	117	93480	16.93	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	277808	18.05	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26179	18.03	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	115659	15.73	ug/l	99
90) Hexachlorobutadiene	15.01	225	87721	18.10	ug/l	98
91) Naphthalene	15.14	128	228805	17.57	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	123435	16.51	ug/l	99

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Quant Time: Aug 03 23:06:44 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

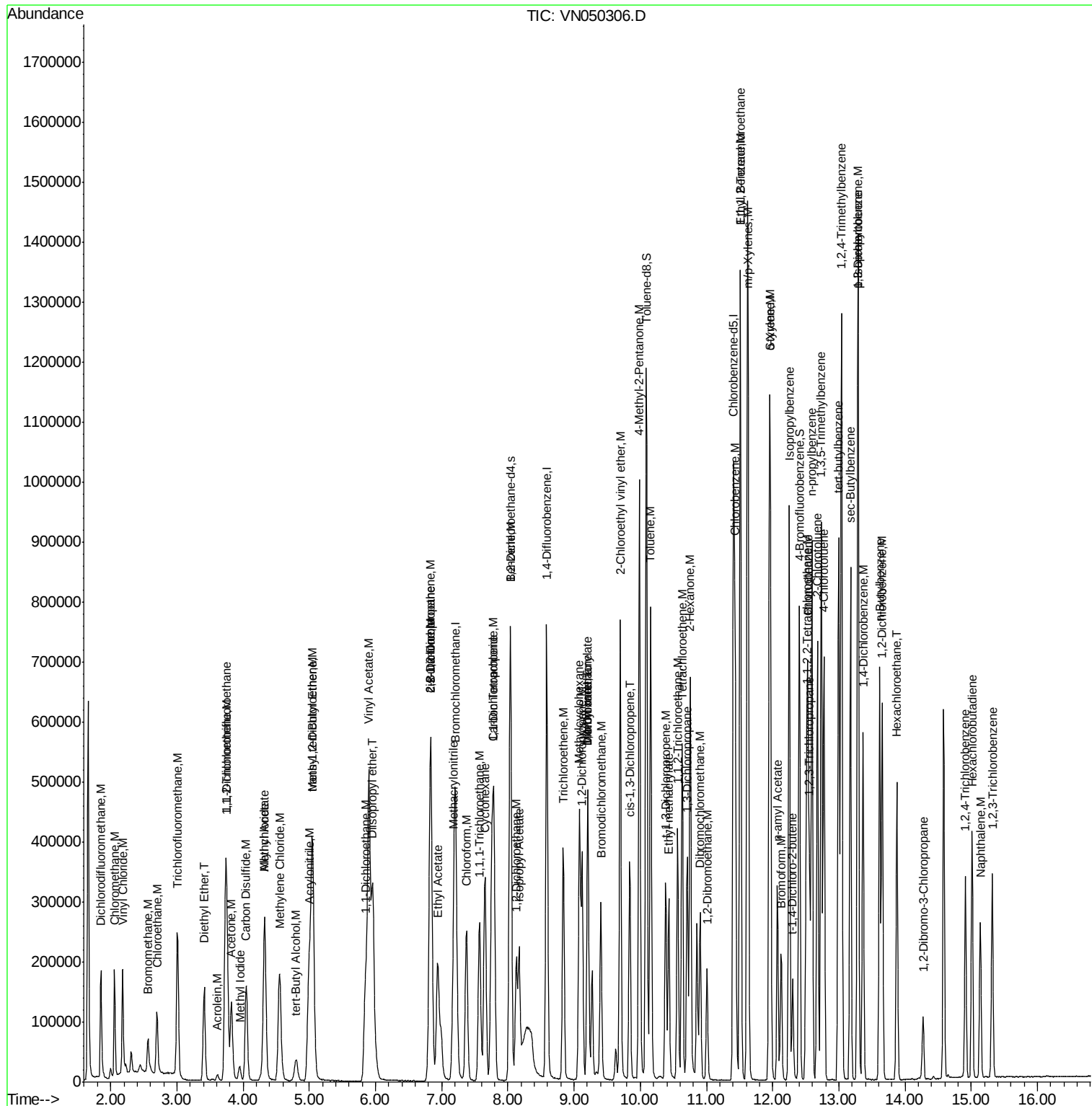
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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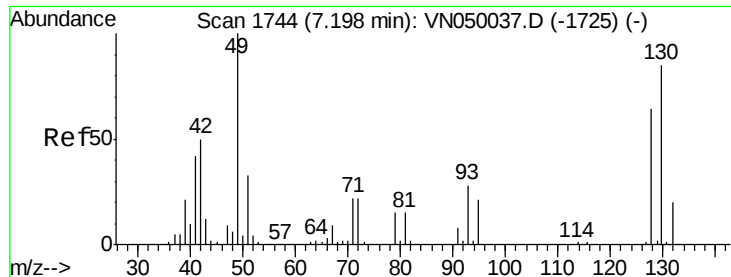
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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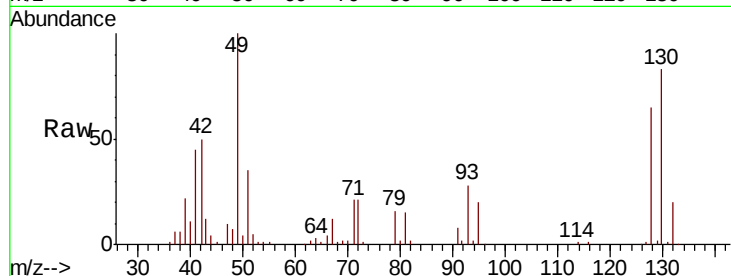




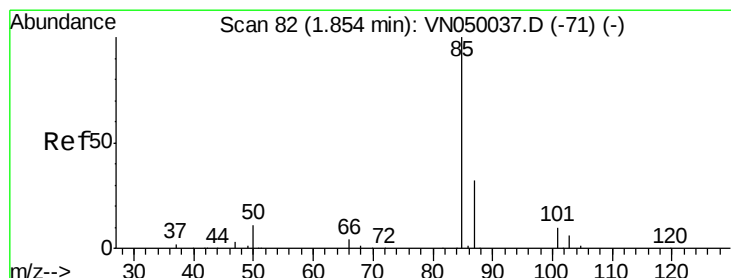
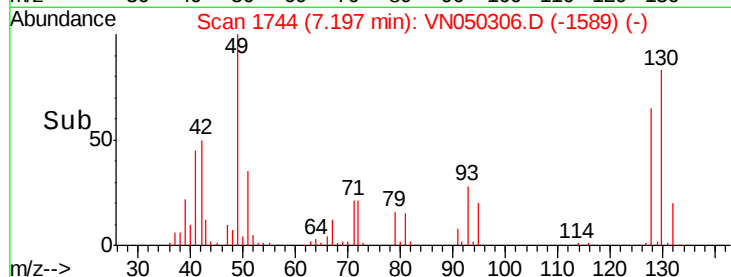
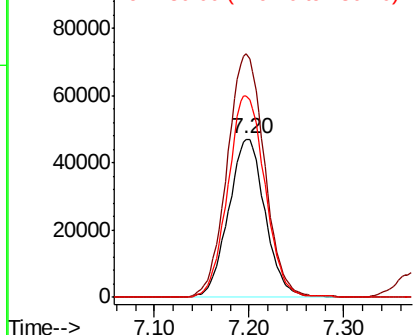
#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	156.7	0.0	378.3
130	129.1	0.0	320.7

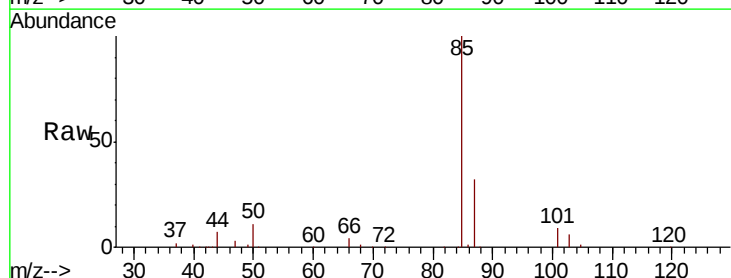


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

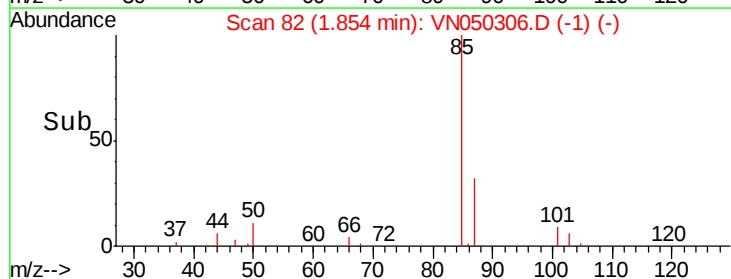
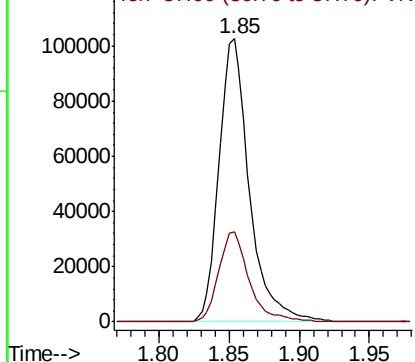


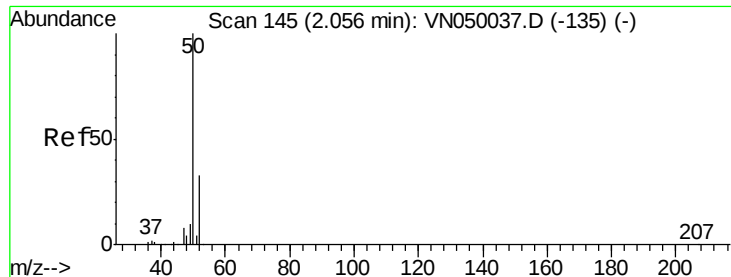
#2
 Dichlorodifluoromethane
 Concen: 17.62 ug/l
 RT: 1.85 min Scan# 82
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.4	46.4



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 15.89 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

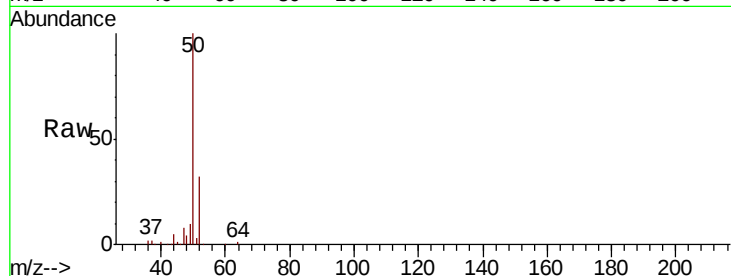
VN0803WBS01

Tot Ion: 50 Resp: 142993

Ion Ratio Lower Upper

50 100

52 31.6 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.06

120000

100000

80000

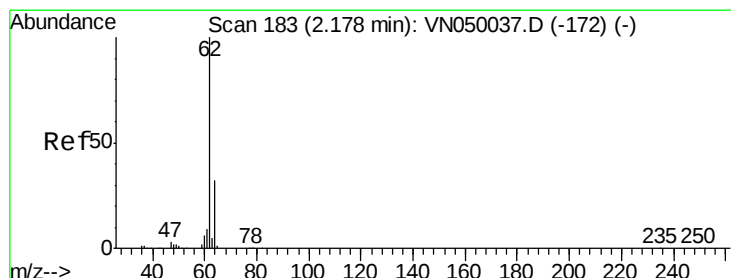
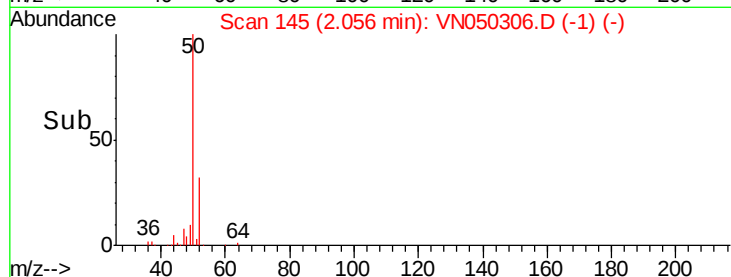
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 16.92 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050306.D

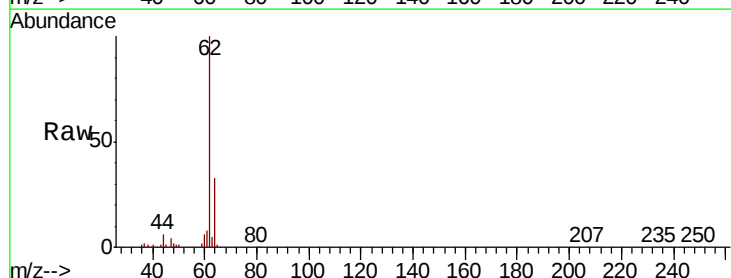
Acq: 3 Aug 2018 11:38

Tgt Ion: 62 Resp: 162099

Ion Ratio Lower Upper

62 100

64 32.1 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.18

120000

100000

80000

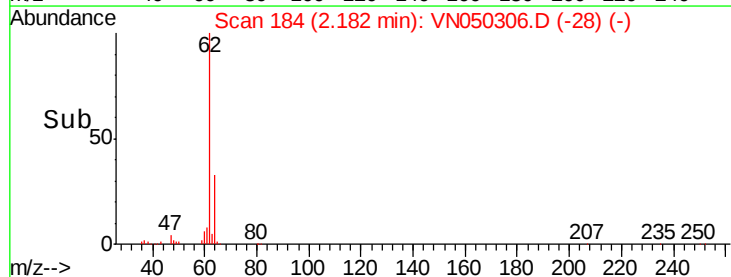
60000

40000

20000

0

Time-->





#5

Bromomethane

Concen: 6.23 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

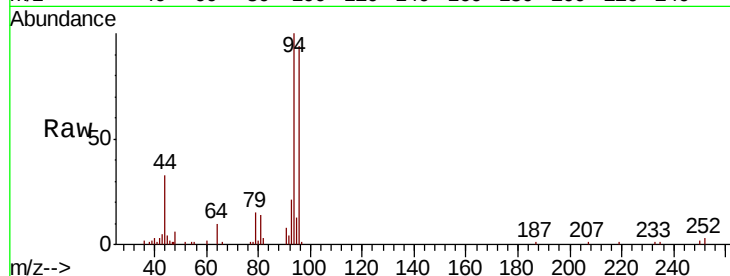
VN0803WBS01

Tot Ion: 94 Resp: 36384

Ion Ratio Lower Upper

94 100

96 93.5 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

20000

15000

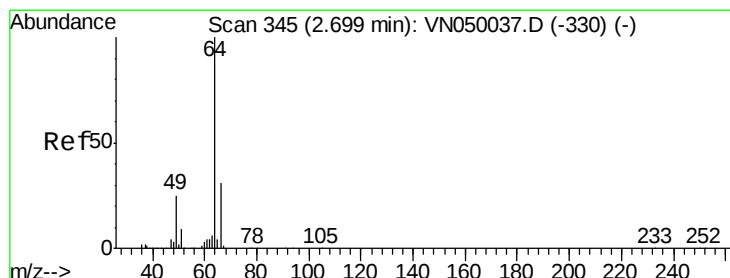
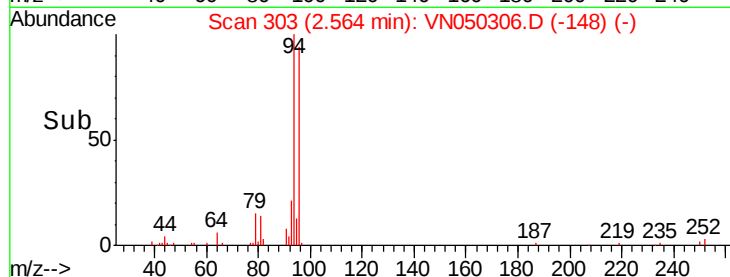
10000

5000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 16.93 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050306.D

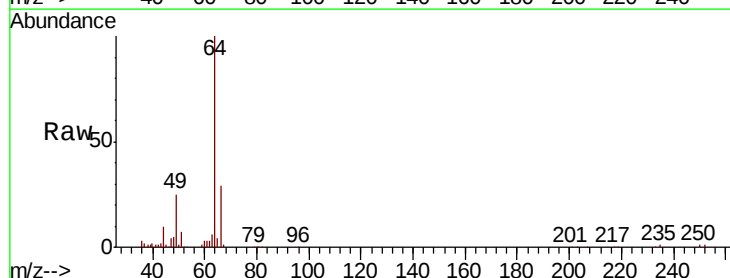
Acq: 3 Aug 2018 11:38

Tgt Ion: 64 Resp: 95921

Ion Ratio Lower Upper

64 100

66 30.1 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

60000

50000

40000

30000

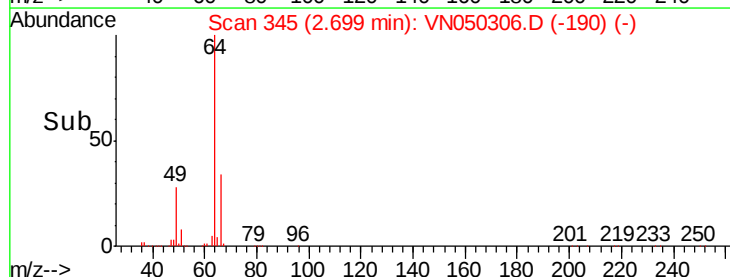
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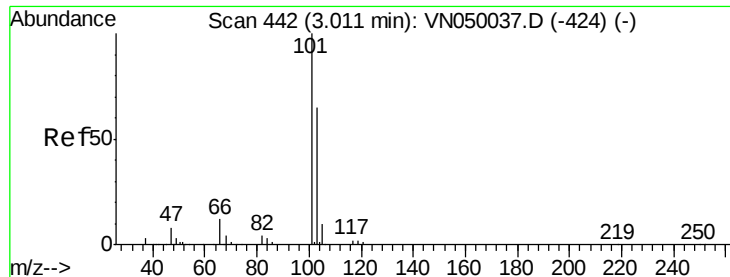
10000

0

2.65 2.70 2.75

Time-->





#7

Trichlorofluoromethane

Concen: 18.15 ug/l

RT: 3.01 min Scan# 441

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

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ClientSampleId :

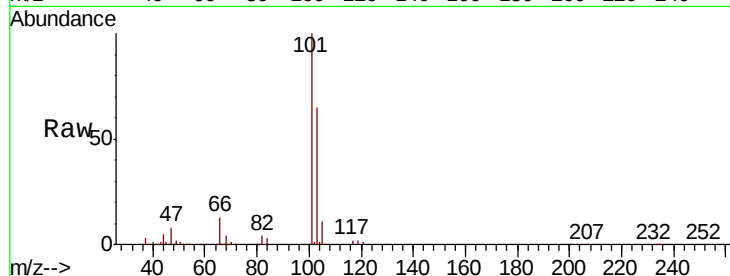
VN0803WBS01

Tot Ion:101 Resp: 227208

Ion Ratio Lower Upper

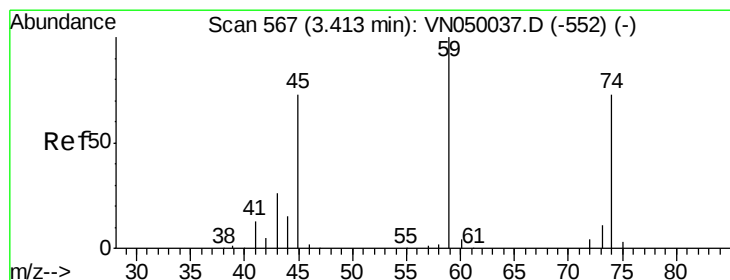
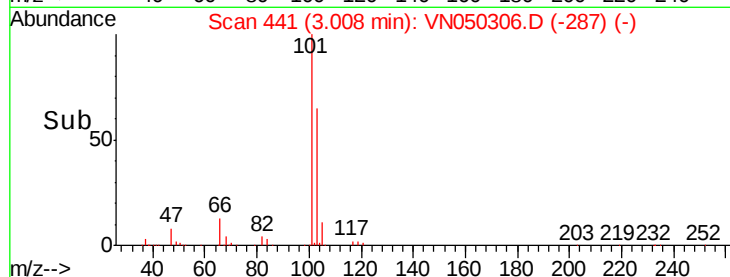
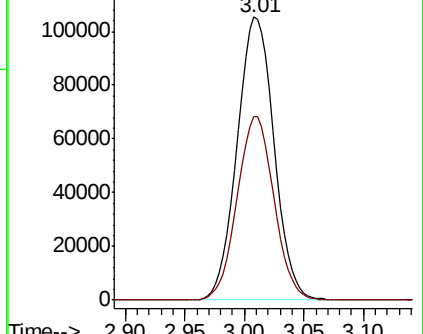
101 100

103 64.8 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 18.89 ug/l

RT: 3.41 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN050306.D

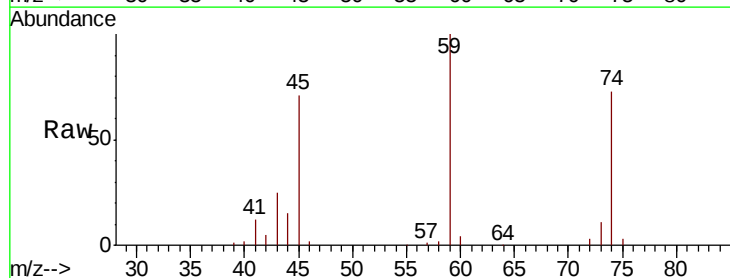
Acq: 3 Aug 2018 11:38

Tgt Ion: 74 Resp: 79322

Ion Ratio Lower Upper

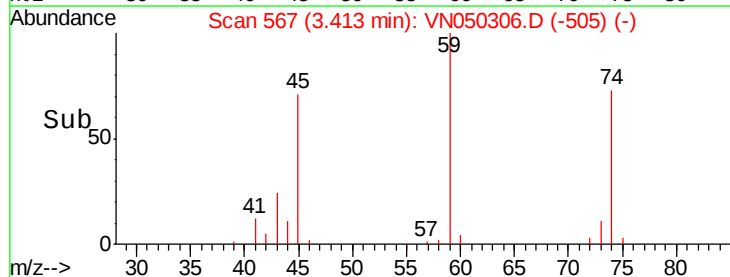
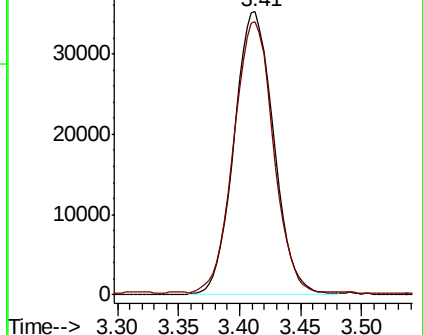
74 100

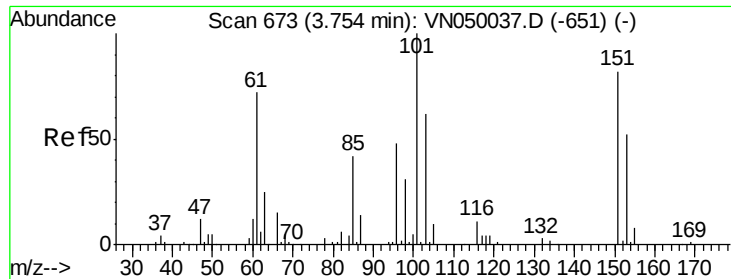
45 95.2 18.7 167.9



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

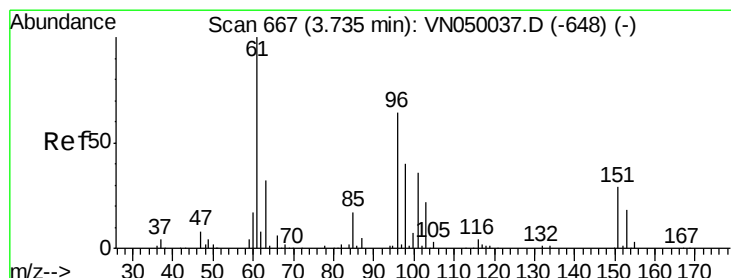
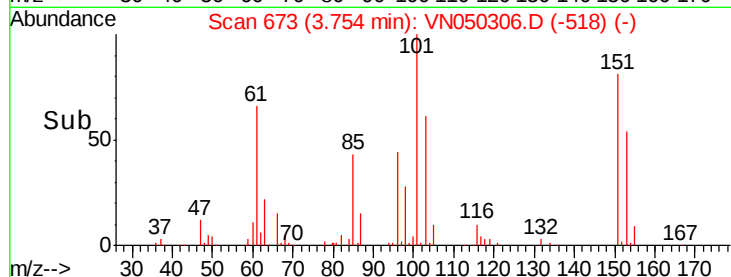
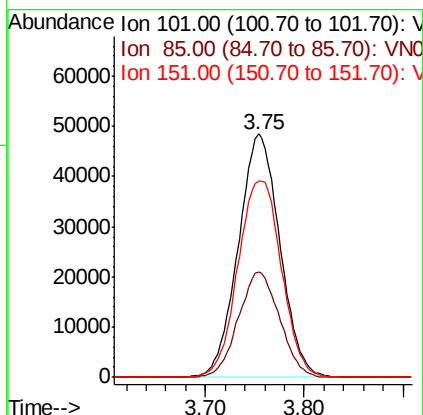
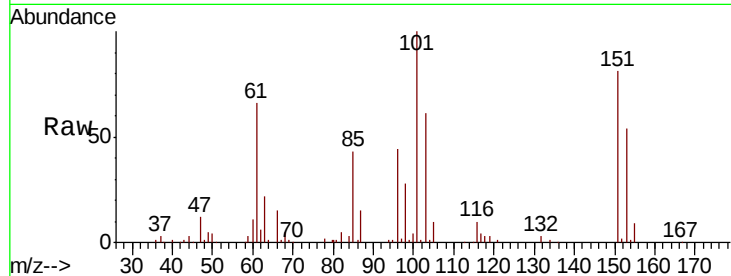




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.54 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

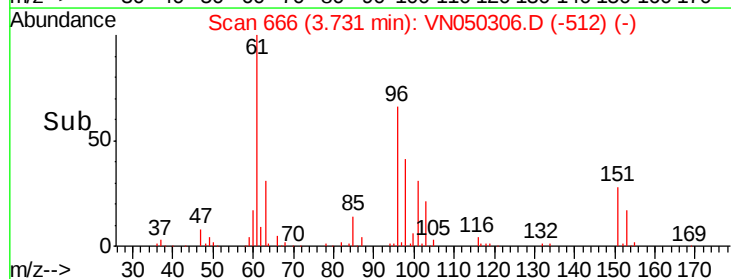
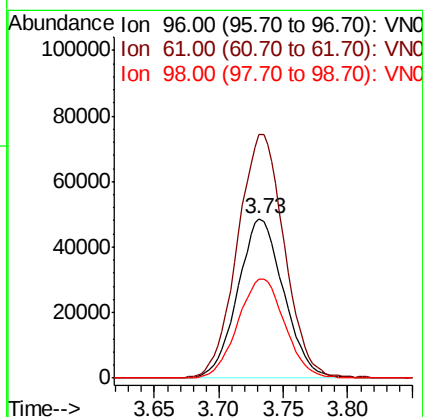
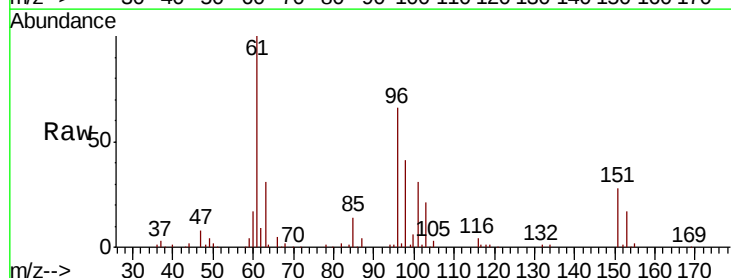
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.9	0.0	83.0
151	84.8	0.0	166.8



#10
 1,1-Dichloroethene
 Concen: 17.85 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	130.6	195.8
98	62.1	53.5	80.3

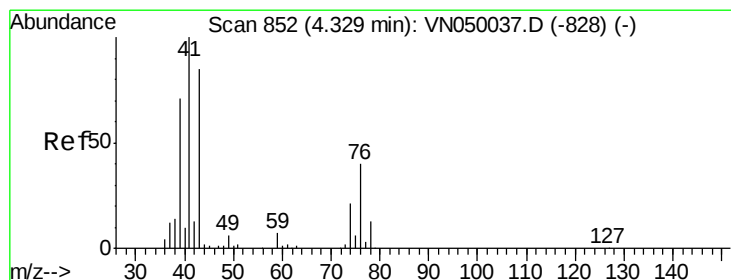
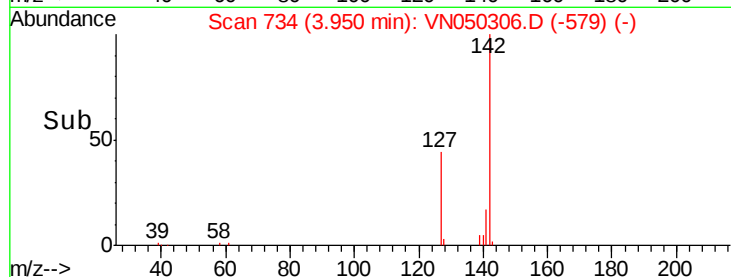
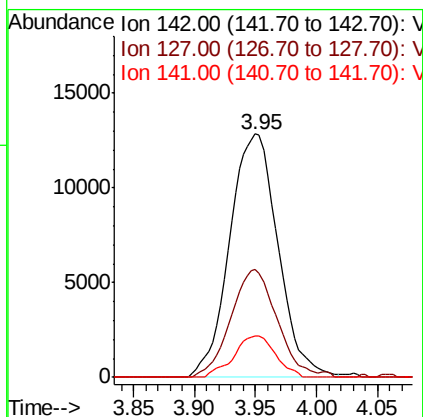
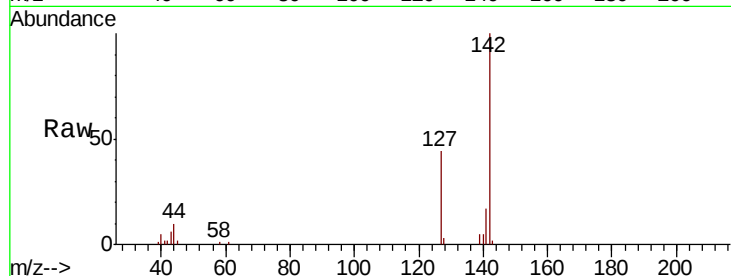




#11
Methvl Iodide
Concen: 3.55 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

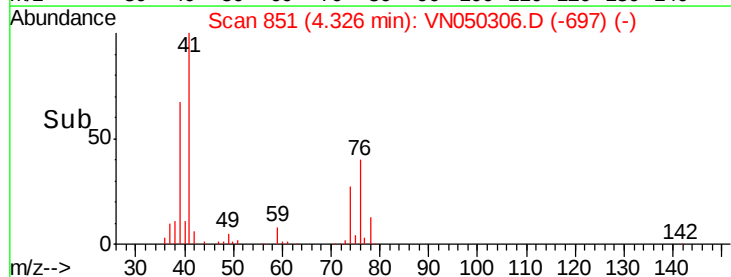
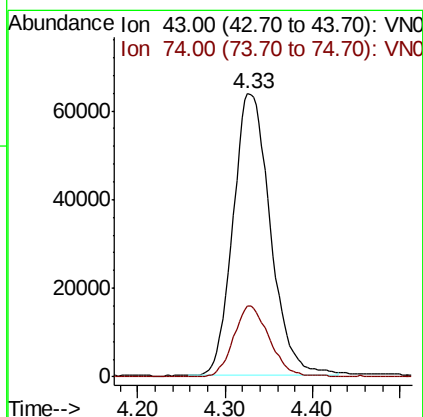
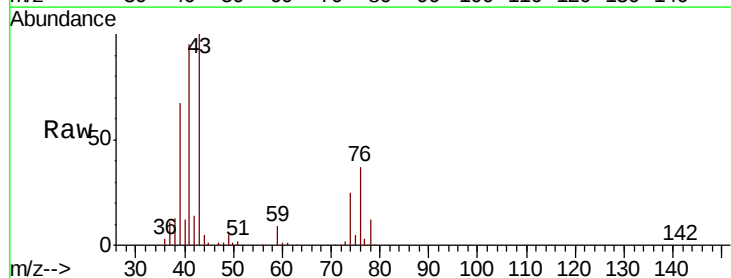
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

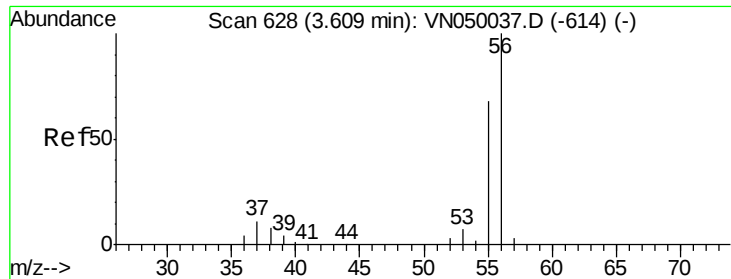
Tot Ion:142 Resp: 35266
Ion Ratio Lower Upper
142 100
127 44.6 20.2 60.5
141 16.9 6.9 20.6



#12
Methyl Acetate
Concen: 24.40 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion: 43 Resp: 188803
Ion Ratio Lower Upper
43 100
74 25.0 19.3 28.9





#13

Acrolein

Concen: 24.69 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

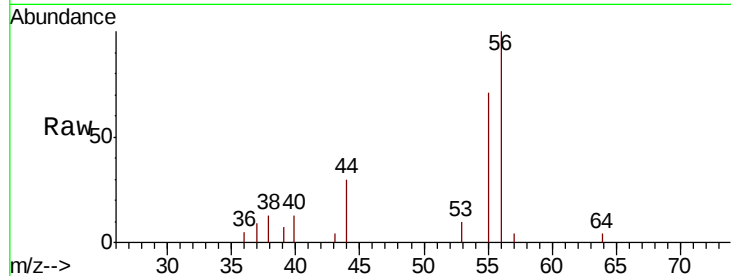
VN0803WBS01

Tot Ion: 56 Resp: 11805

Ion Ratio Lower Upper

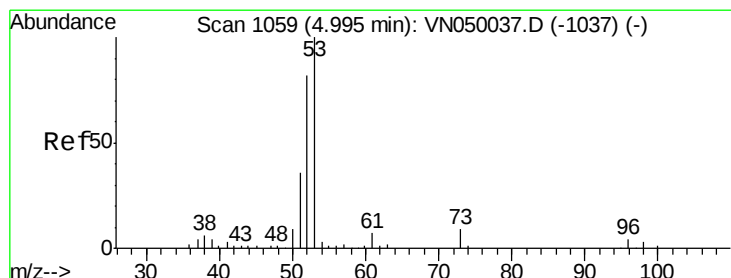
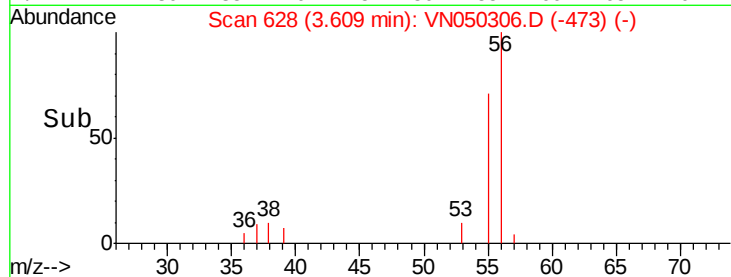
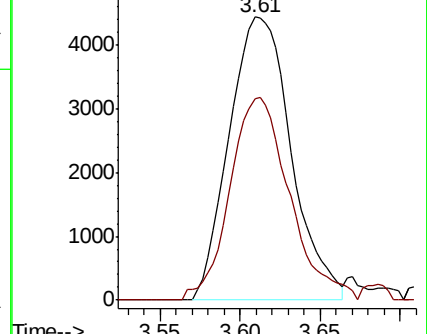
56 100

55 68.3 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 96.99 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

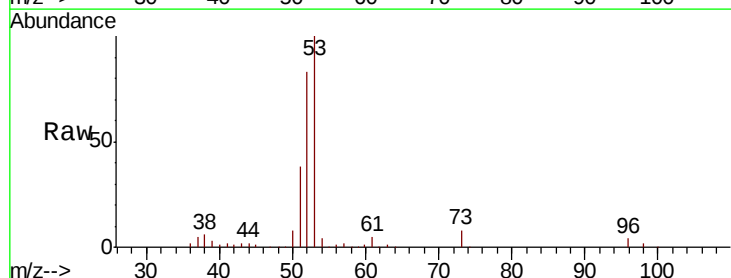
Tgt Ion: 53 Resp: 250392

Ion Ratio Lower Upper

53 100

52 80.9 41.5 124.5

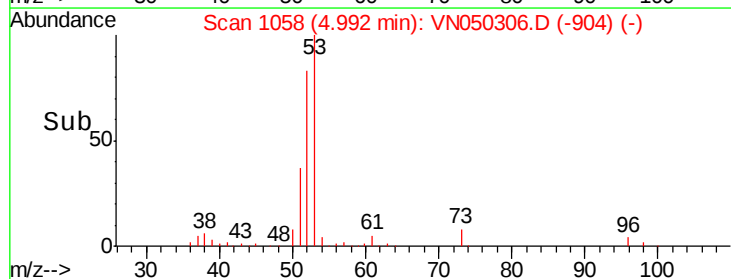
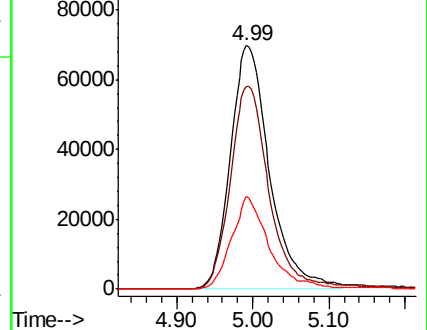
51 34.8 18.7 56.1

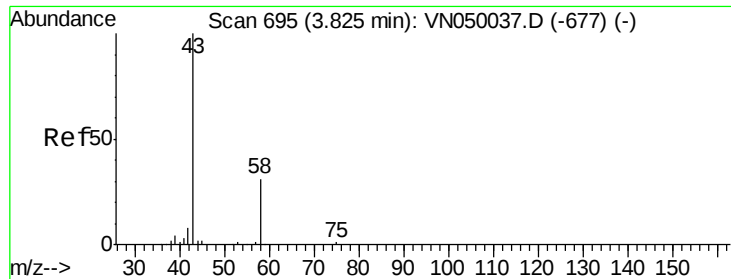


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 100.83 ug/l

RT: 3.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

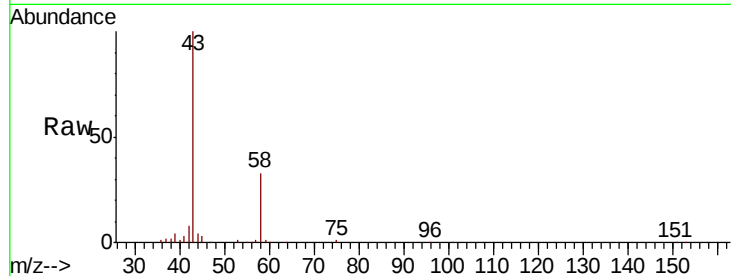
VN0803WBS01

Tot Ion: 58 Resp: 69178

Ion Ratio Lower Upper

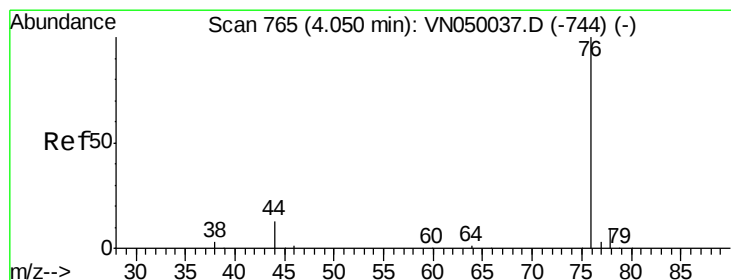
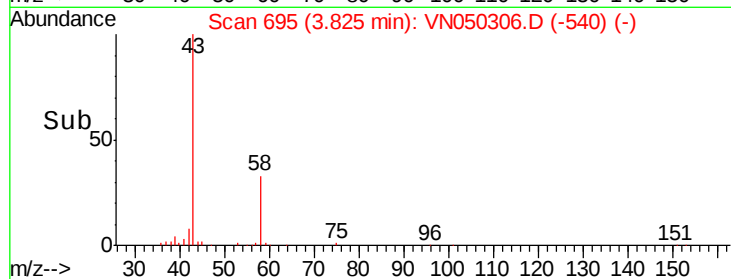
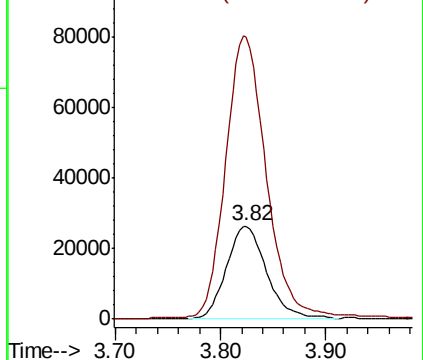
58 100

43 301.8 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 15.48 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050306.D

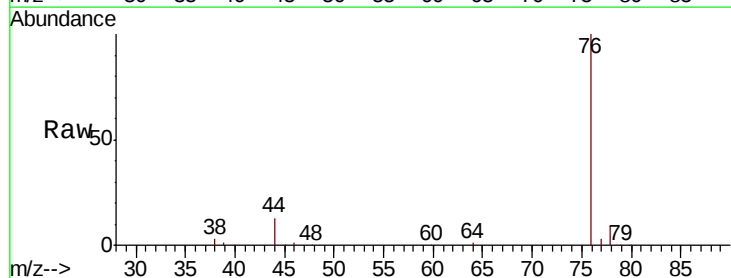
Acq: 3 Aug 2018 11:38

Tgt Ion: 76 Resp: 319905

Ion Ratio Lower Upper

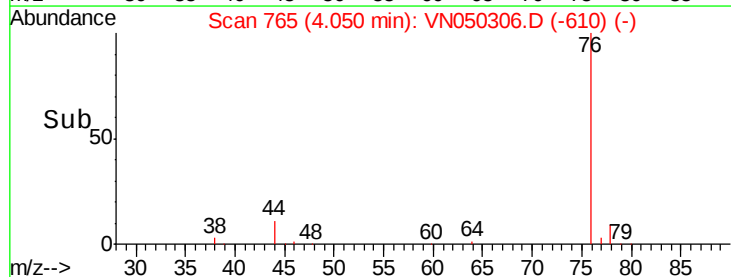
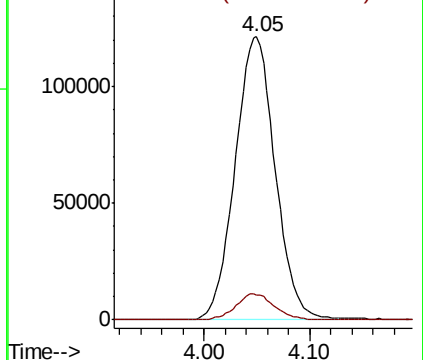
76 100

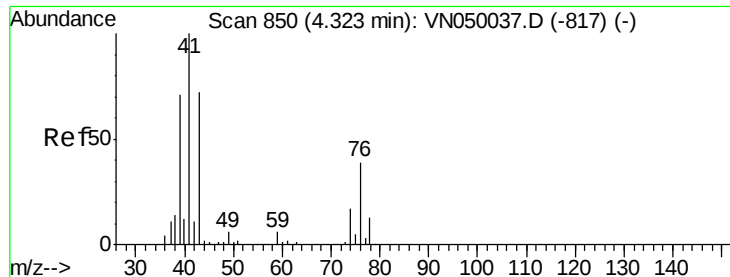
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 18.11 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

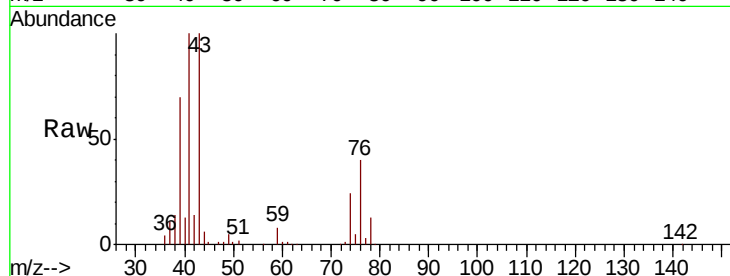
Tot Ion: 41 Resp: 193161

Ion Ratio Lower Upper

41 100

39 69.8 35.4 106.3

76 39.1 19.7 59.1

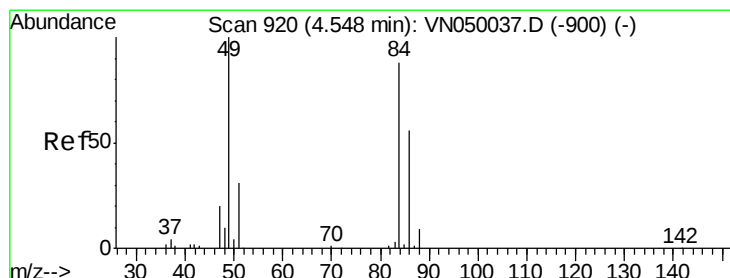
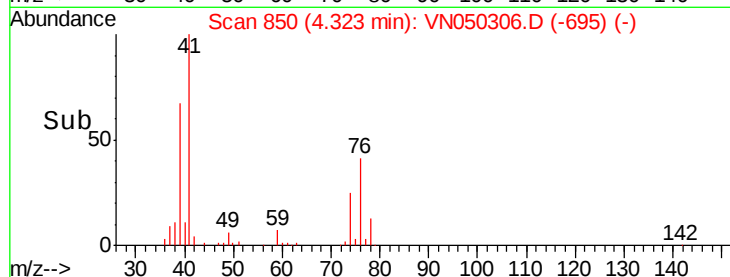
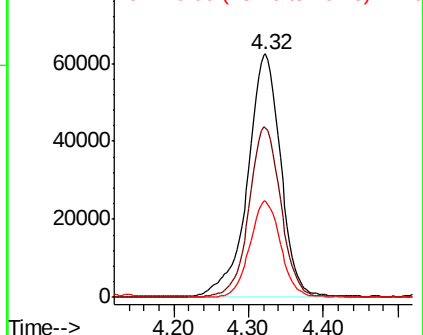


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 18.70 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Tgt Ion: 84 Resp: 145716

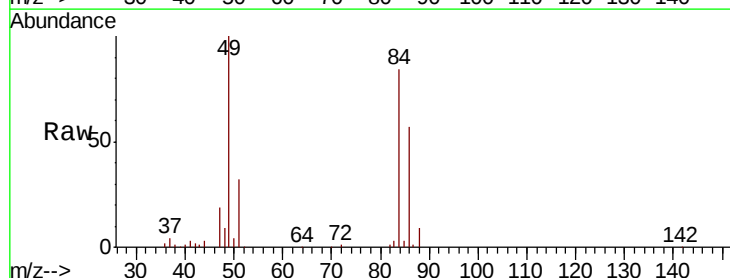
Ion Ratio Lower Upper

84 100

49 119.1 95.1 142.7

51 38.0 28.8 43.2

86 68.3 52.3 78.5



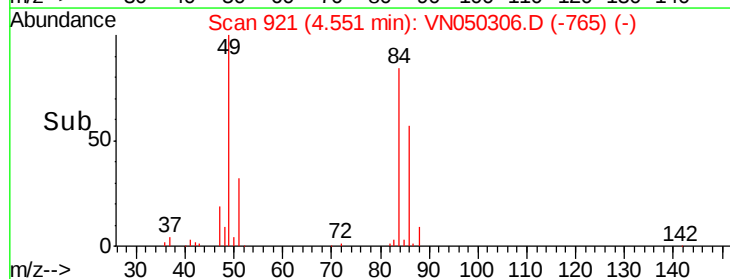
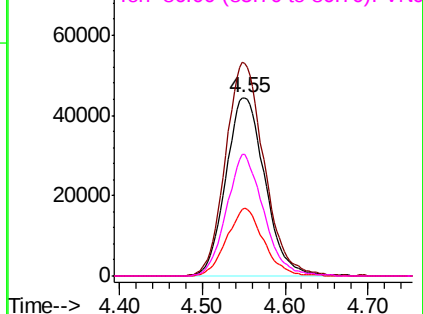
Abundance

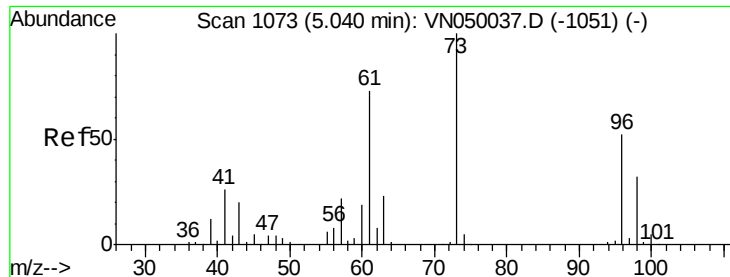
Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

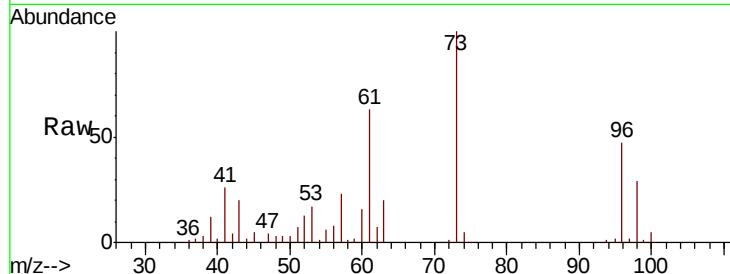




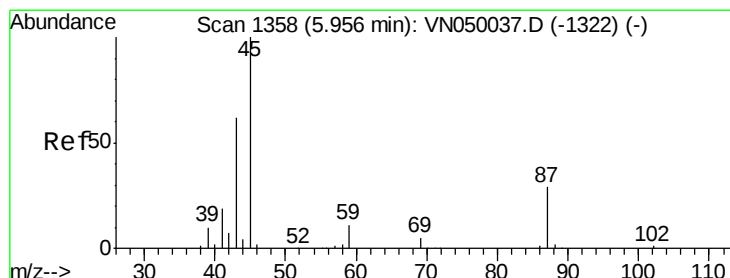
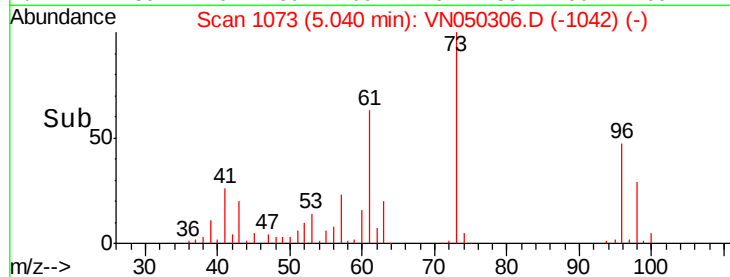
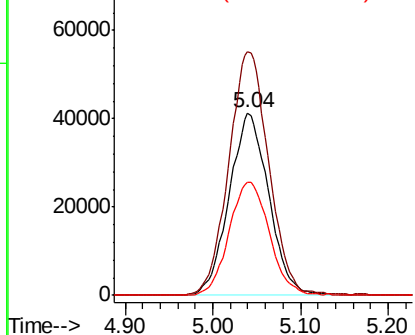
#19
trans-1,2-Dichloroethene
Concen: 17.92 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion: 96 Resp: 129568
Ion Ratio Lower Upper
96 100
61 133.0 112.1 168.1
98 62.1 51.3 76.9

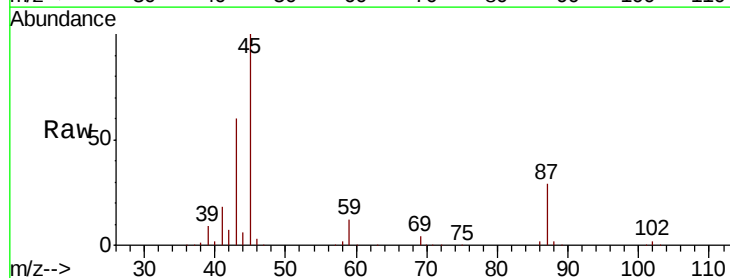


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

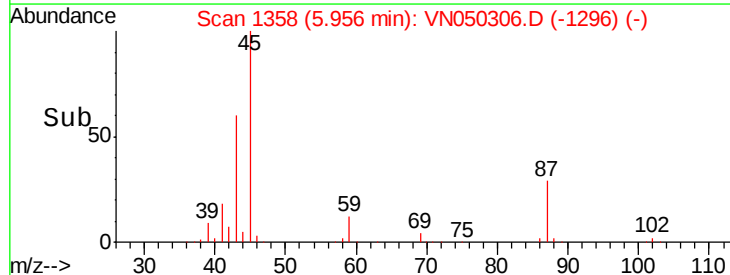
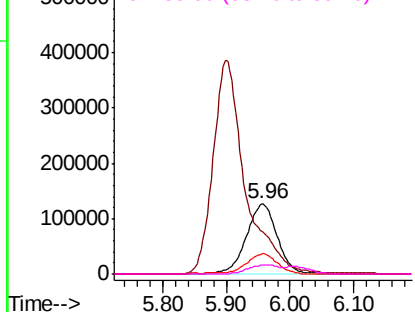


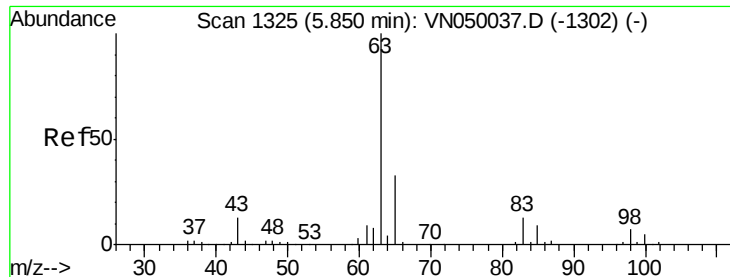
#20
Diisopropyl ether
Concen: 19.53 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion: 45 Resp: 427045
Ion Ratio Lower Upper
45 100
43 58.9 46.6 70.0
87 28.9 22.3 33.5
59 12.2 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

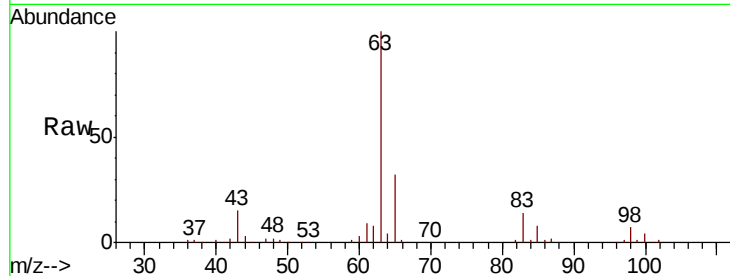




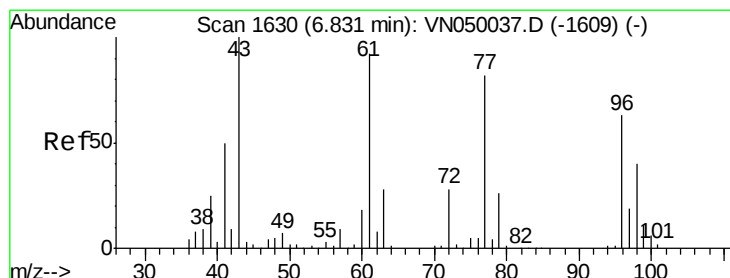
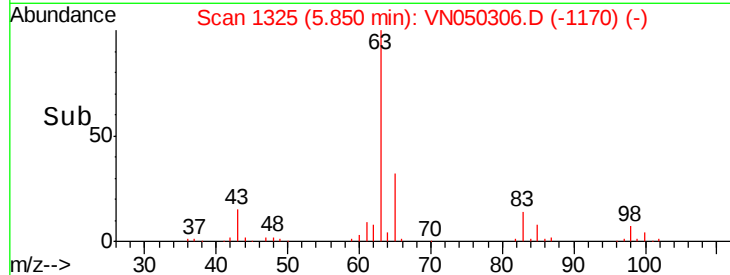
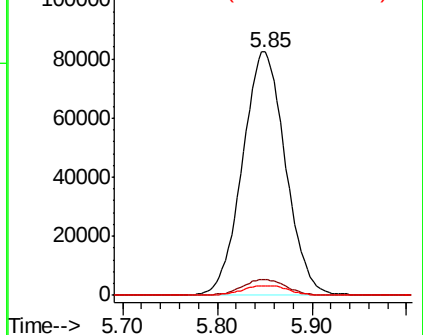
#21
 1,1-Dichloroethane
 Concen: 18.92 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.6
100	3.8	2.3	6.8

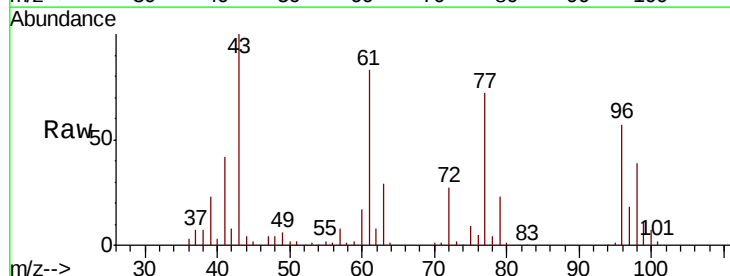


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

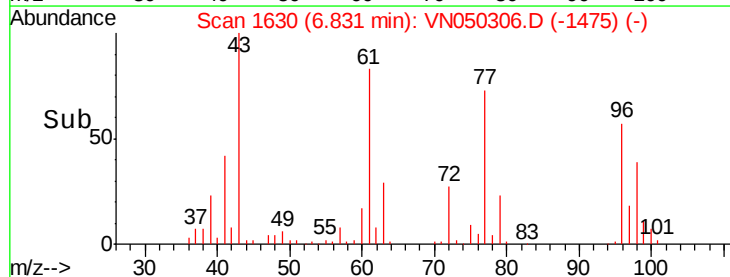
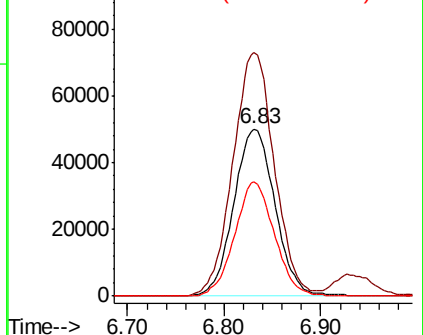


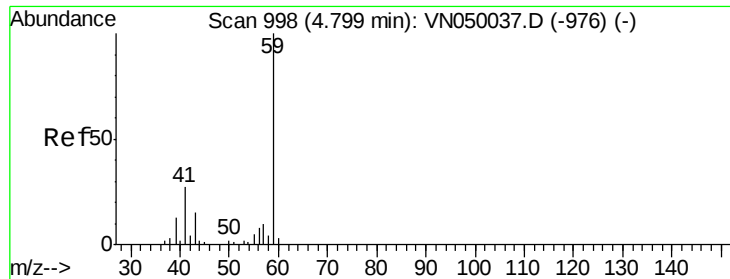
#22
 cis-1,2-Dichloroethene
 Concen: 18.46 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.4	114.2	171.2
98	65.9	51.7	77.5



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0

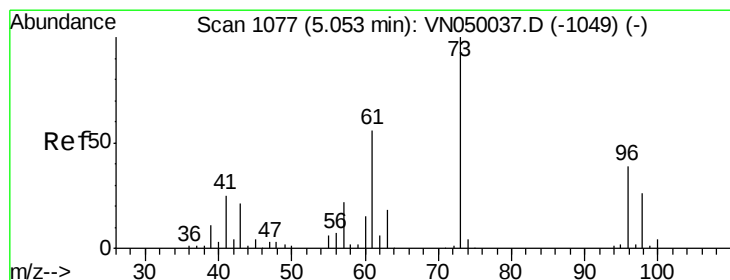
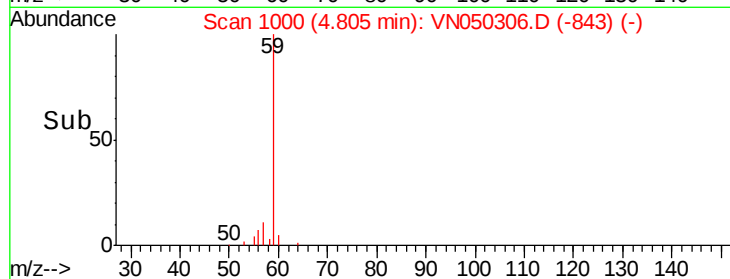
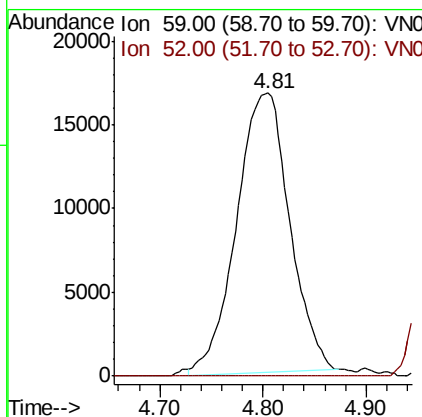
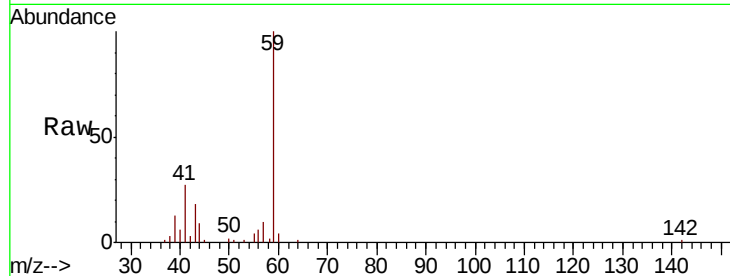




#23
tert-Butyl Alcohol
Concen: 103.90 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

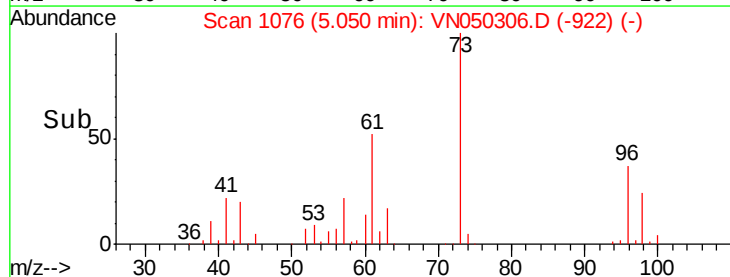
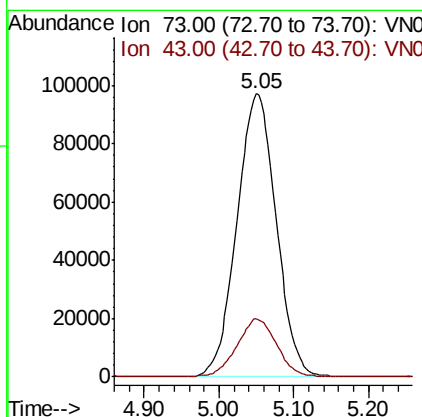
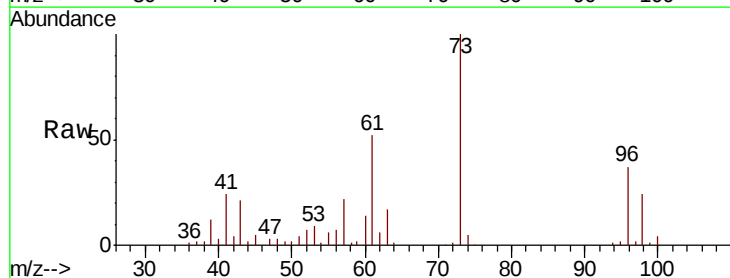
Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

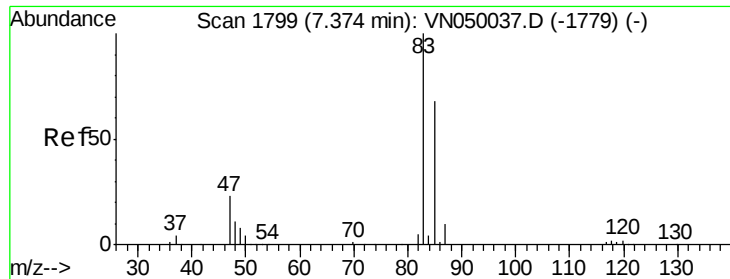
Tot Ion: 59 Resp: 59936
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#24
Methyl tert-Butyl Ether
Concen: 19.26 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion: 73 Resp: 354771
Ion Ratio Lower Upper
73 100
43 20.6 15.5 23.3

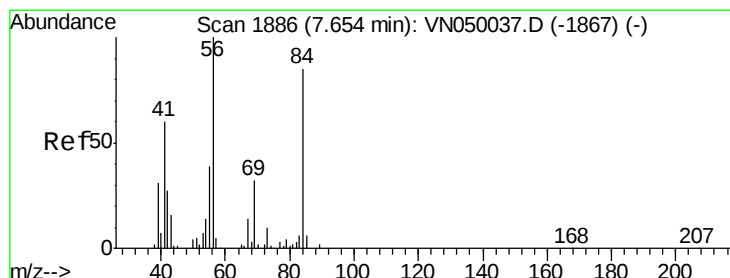
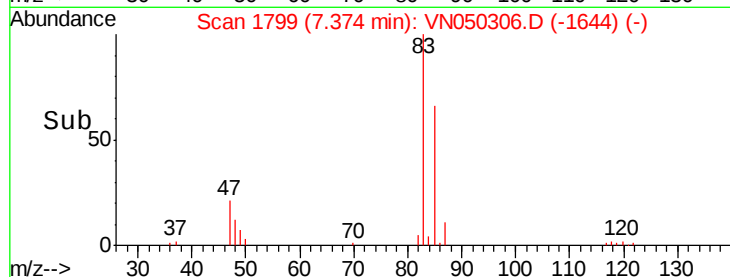
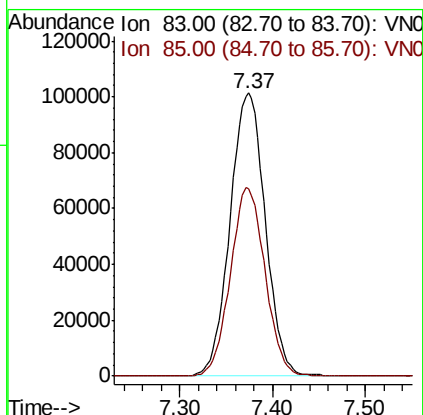
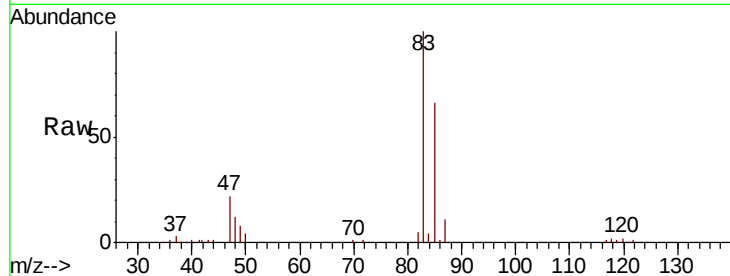




#25
Chloroform
Concen: 19.18 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

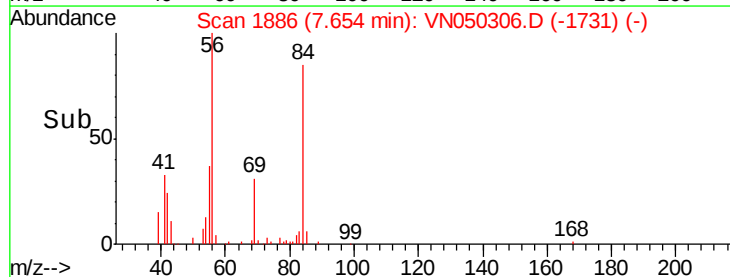
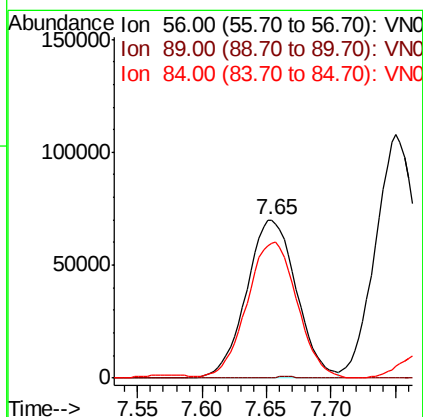
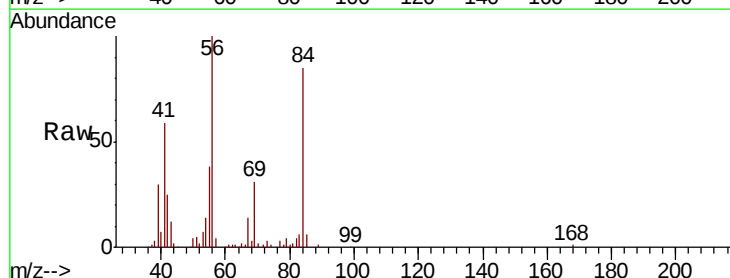
Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

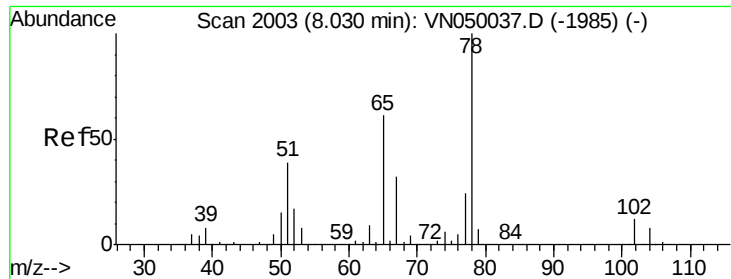
Tot Ion: 83 Resp: 266966
Ion Ratio Lower Upper
83 100
85 66.3 52.1 78.1



#26
Cyclohexane
Concen: 17.35 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion: 56 Resp: 189618
Ion Ratio Lower Upper
56 100
89 0.7 3.0 4.4#
84 85.8 69.8 104.8

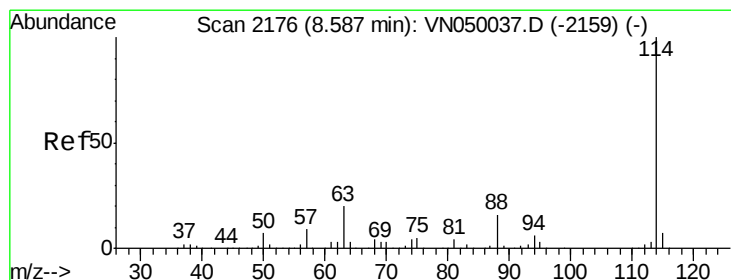
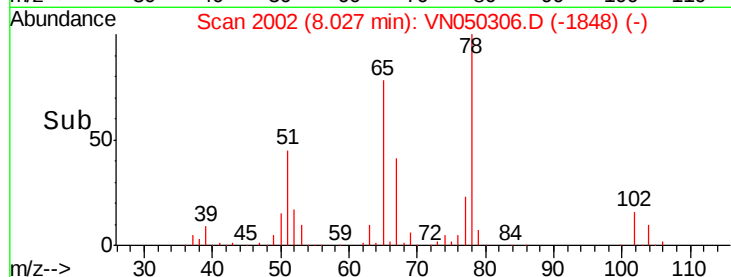
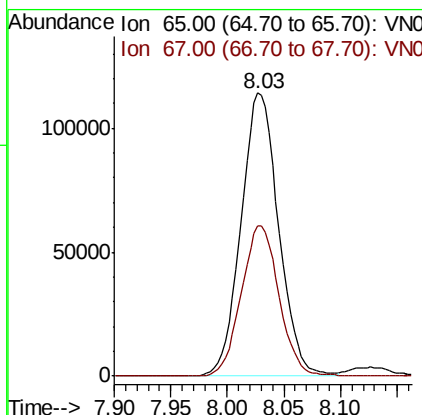
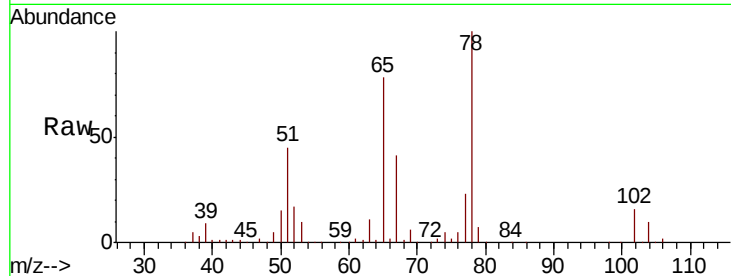




#27
 1,2-Dichloroethane-d4
 Concen: 30.73 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

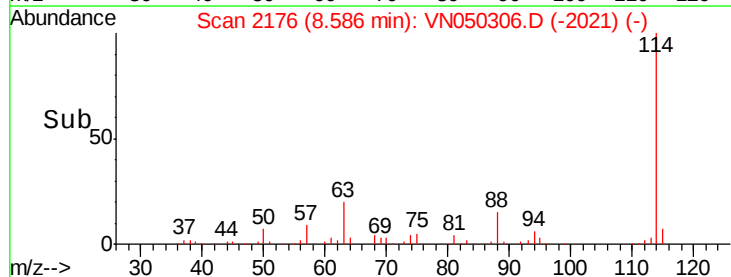
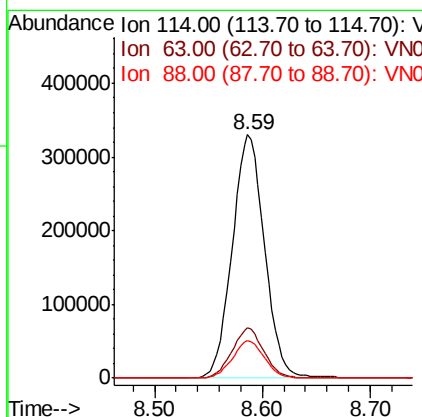
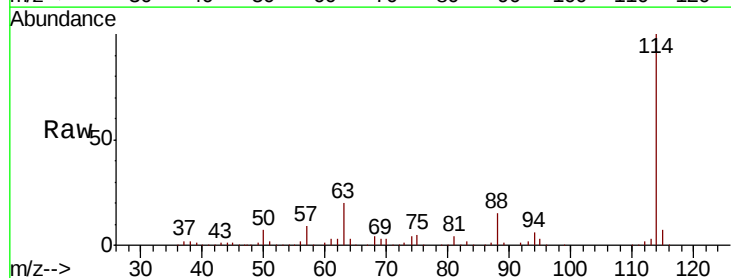
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

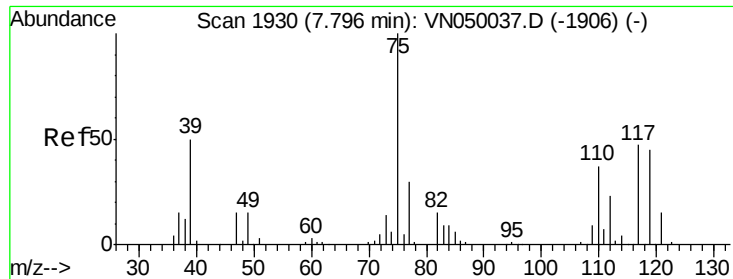
Tot Ion: 65 Resp: 264628
 Ion Ratio Lower Upper
 65 100
 67 53.1 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion: 114 Resp: 688146
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.2 24.2
 88 15.3 12.3 18.5

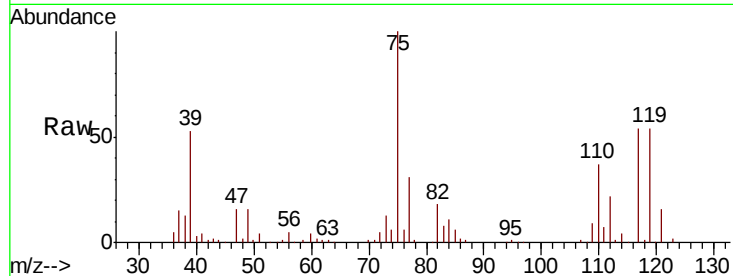




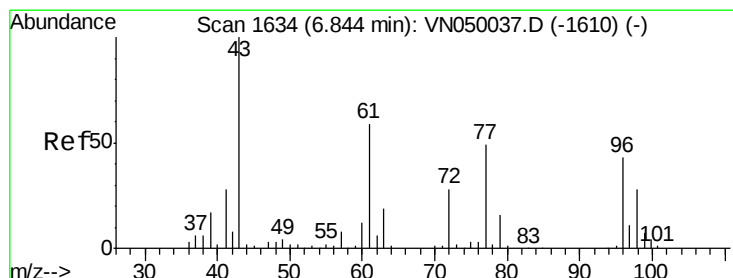
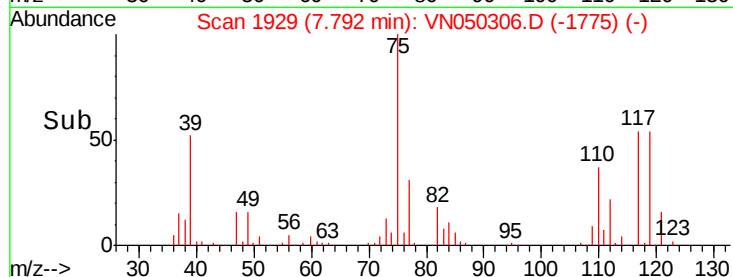
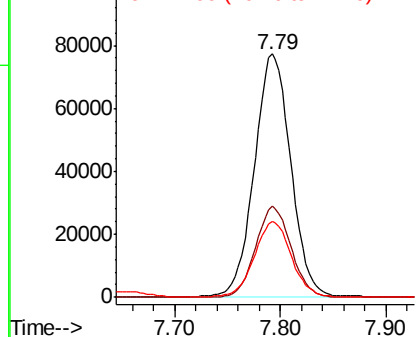
#29
 1,1-Dichloropropene
 Concen: 17.49 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS01

Tot Ion: 75 Resp: 186772
 Ion Ratio Lower Upper
 75 100
 110 36.3 0.0 73.2
 77 31.7 0.0 62.0

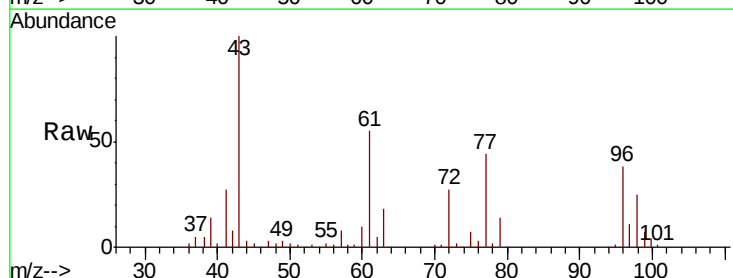


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VN0

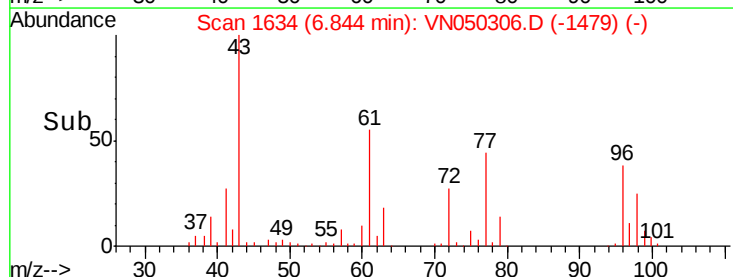
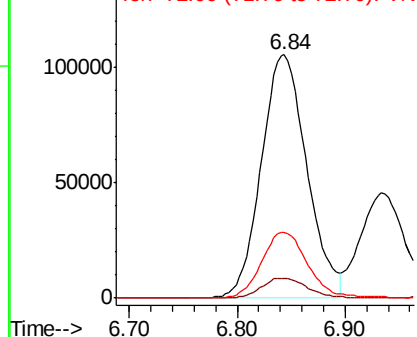


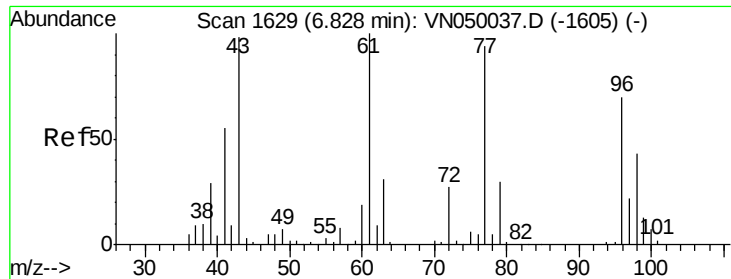
#30
 2-Butanone
 Concen: 91.67 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion: 43 Resp: 307199
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.8 10.2
 72 27.5 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0





#31

2,2-Dichloropropane

Concen: 17.81 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

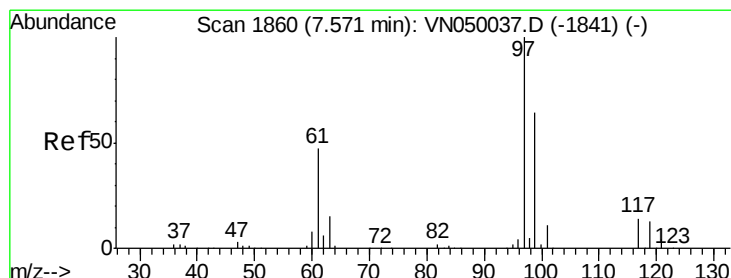
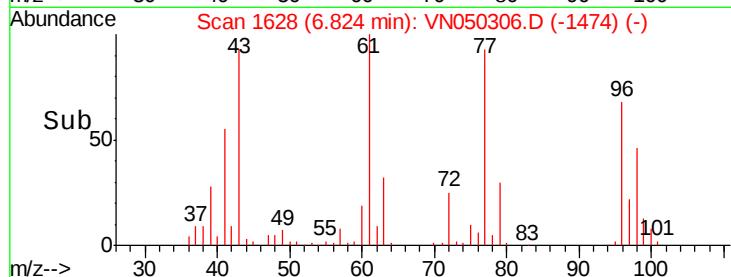
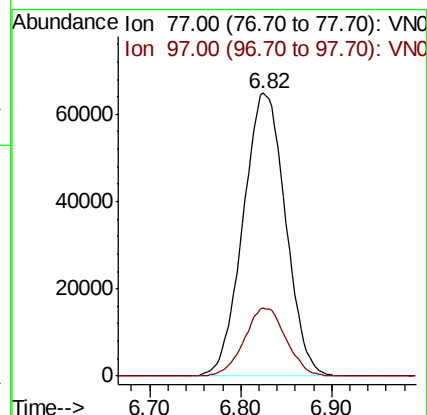
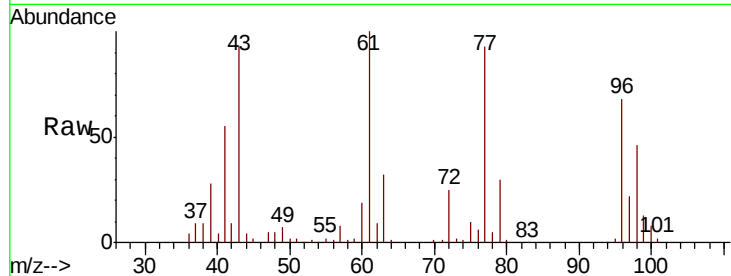
VN0803WBS01

Tot Ion: 77 Resp: 210275

Ion Ratio Lower Upper

77 100

97 23.6 18.9 28.3



#32

1,1,1-Trichloroethane

Concen: 17.93 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

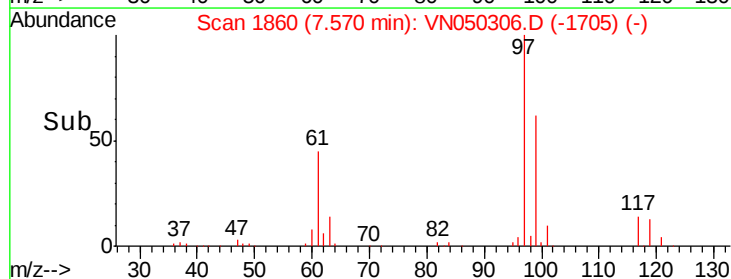
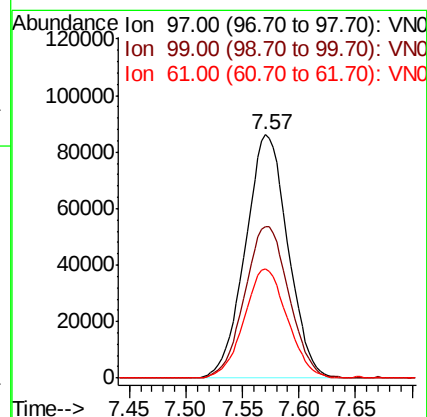
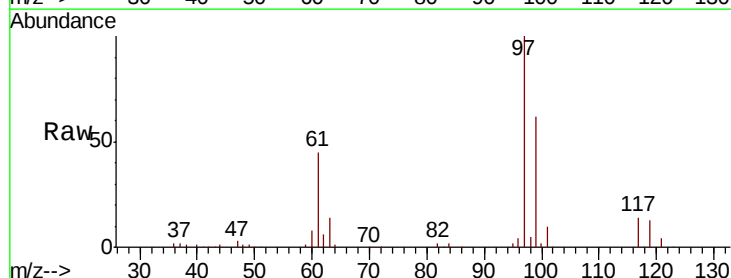
Tgt Ion: 97 Resp: 225407

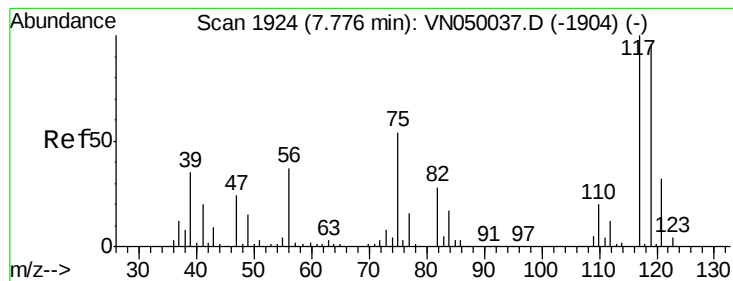
Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

61 45.4 35.3 52.9





#33

Carbon Tetrachloride

Concen: 17.56 ug/l

RT: 7.77 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

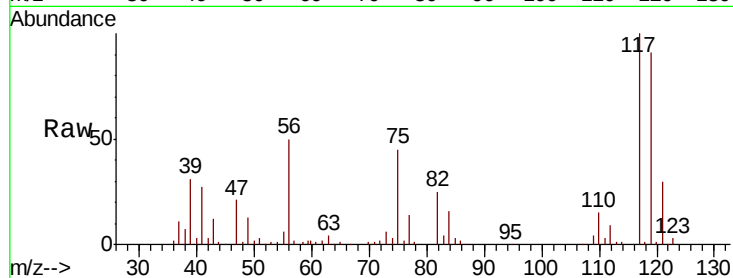
Tot Ion:117 Resp: 196802

Ion Ratio Lower Upper

117 100

119 91.3 76.9 115.3

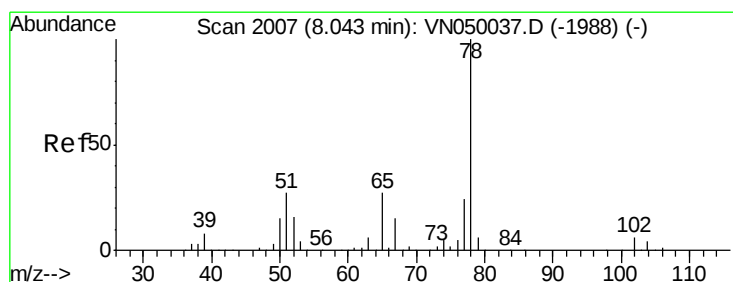
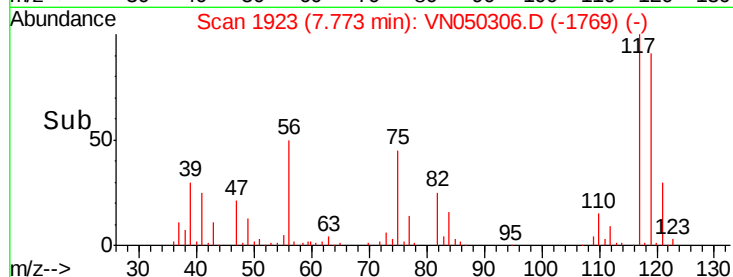
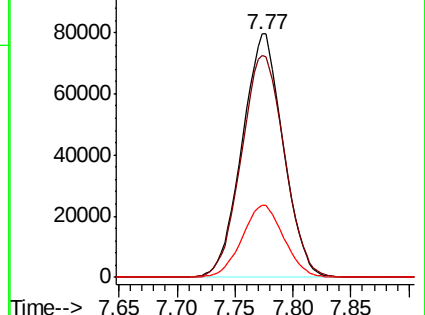
121 29.6 24.4 36.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 17.79 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

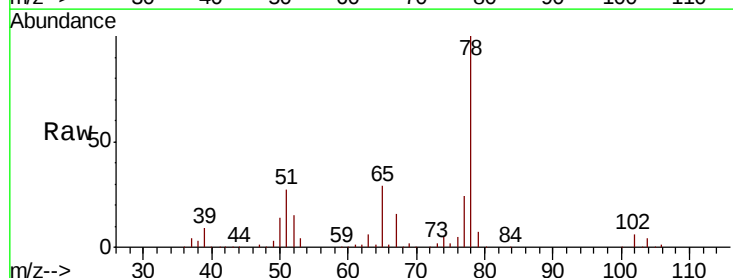
Tgt Ion: 78 Resp: 577116

Ion Ratio Lower Upper

78 100

77 23.7 19.1 28.7

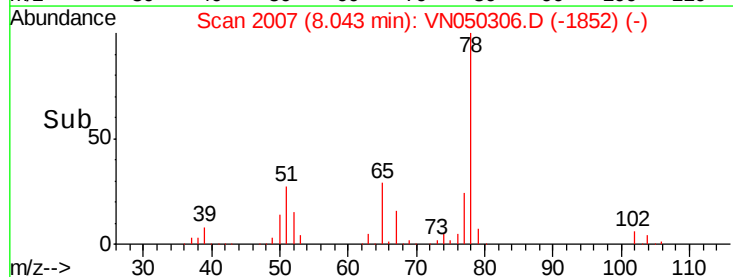
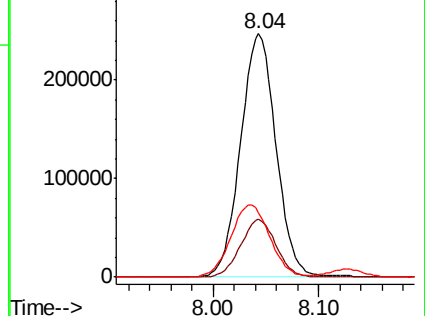
51 26.5 21.0 31.4

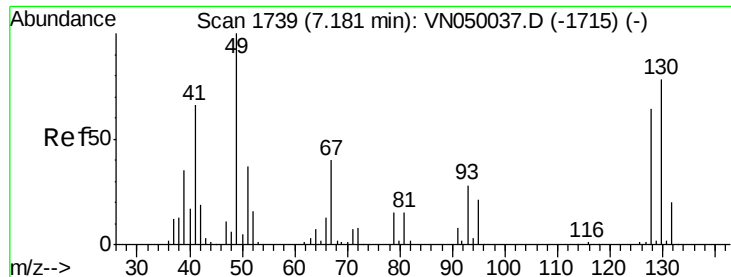


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

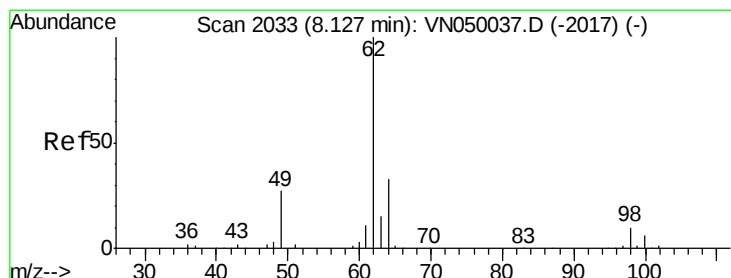
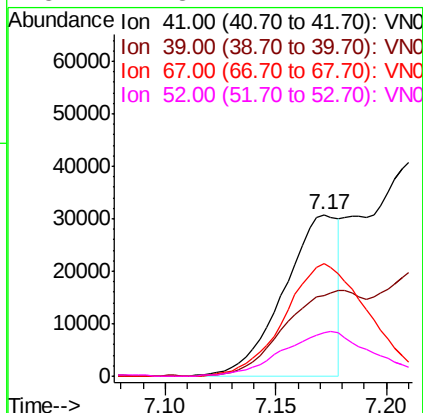
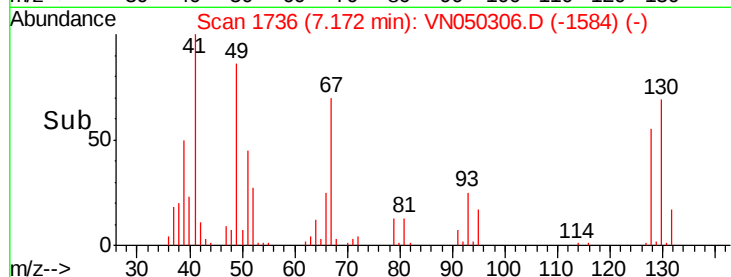
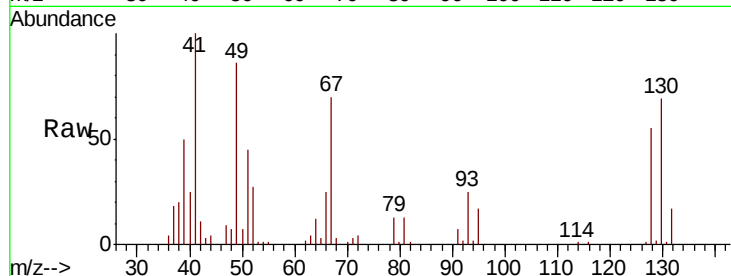




#35
Methacrylonitrile
Concen: 13.82 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

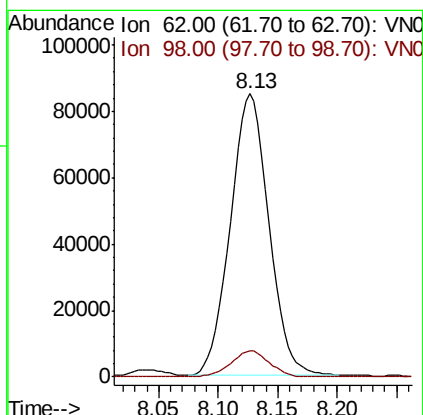
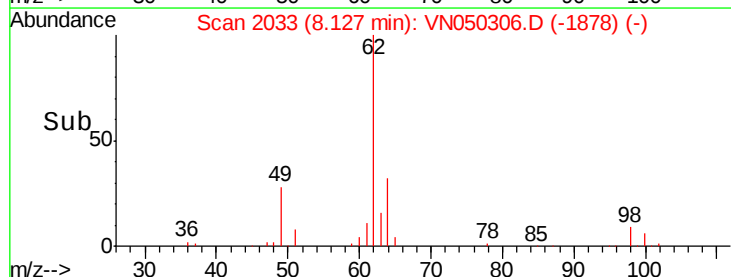
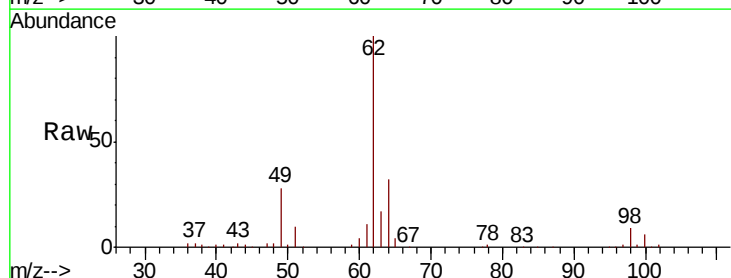
Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

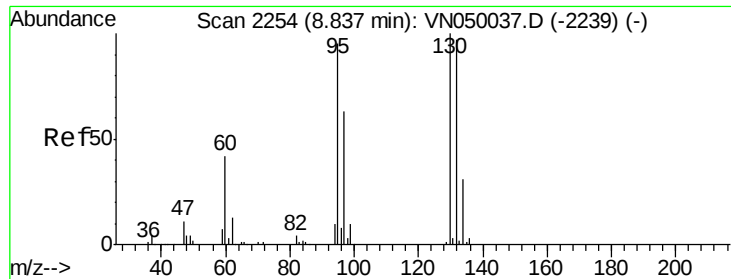
Tot Ion: 41 Resp: 52735
Ion Ratio Lower Upper
41 100
39 50.1 27.6 82.7
67 69.6 35.1 105.5
52 27.3 14.1 42.4



#36
1,2-Dichloroethane
Concen: 17.86 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion: 62 Resp: 190199
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.6





#37

Trichloroethene

Concen: 17.56 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

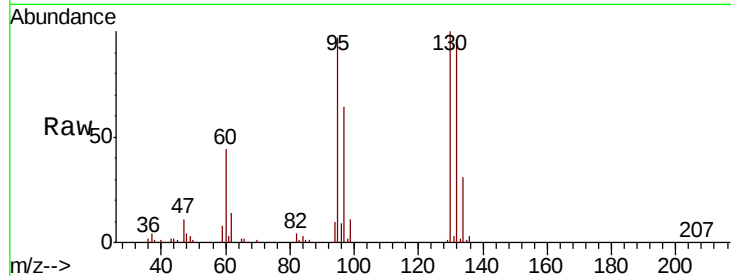
VN0803WBS01

Tot Ion:130 Resp: 149375

Ion Ratio Lower Upper

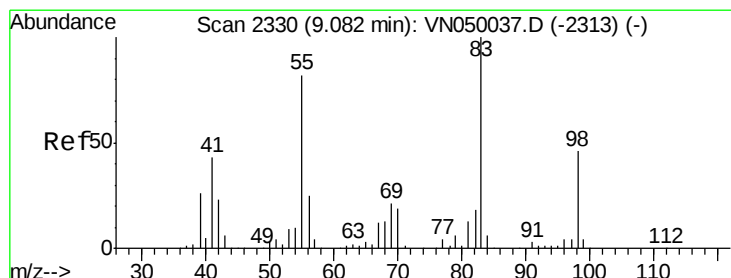
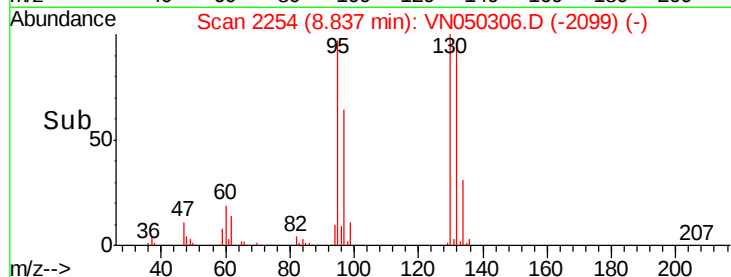
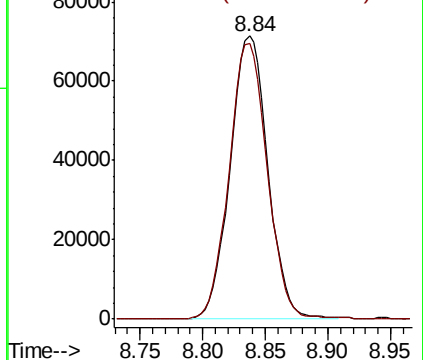
130 100

95 97.1 79.7 119.5



Abundance Ion 129.90 (129.60 to 130.60): VN0

Ion 94.90 (94.60 to 95.60): VN0



#38

Methylcyclohexane

Concen: 16.43 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

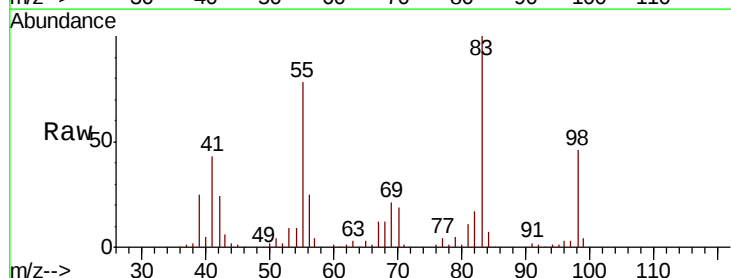
Tgt Ion: 83 Resp: 184995

Ion Ratio Lower Upper

83 100

55 77.6 39.3 117.8

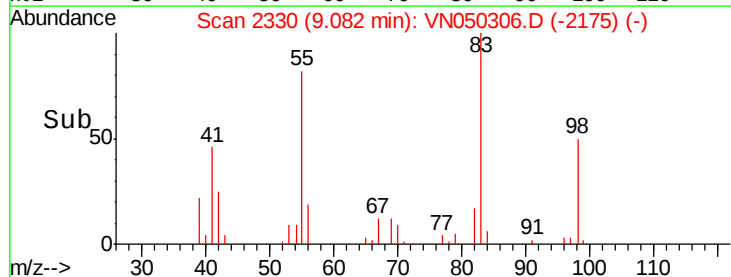
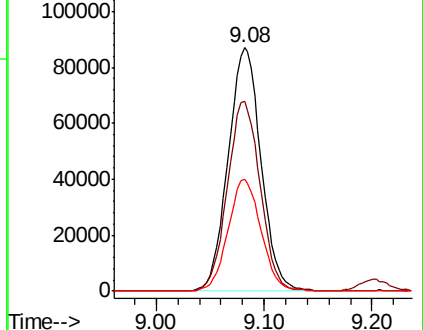
98 46.1 23.0 69.0

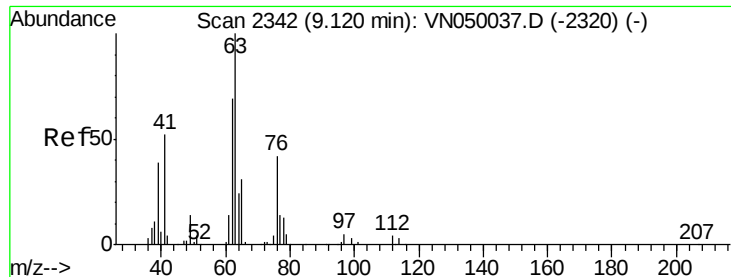


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#39

1,2-Dichloropropane

Concen: 18.43 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

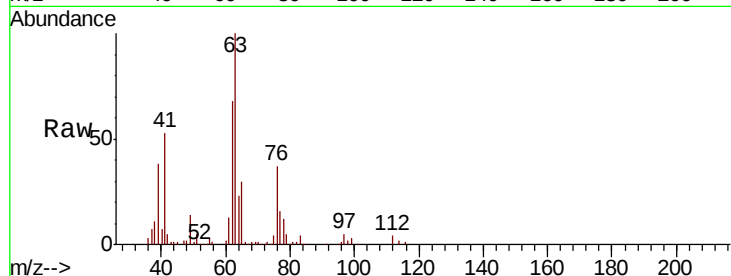
VN0803WBS01

Tot Ion: 63 Resp: 157453

Ion Ratio Lower Upper

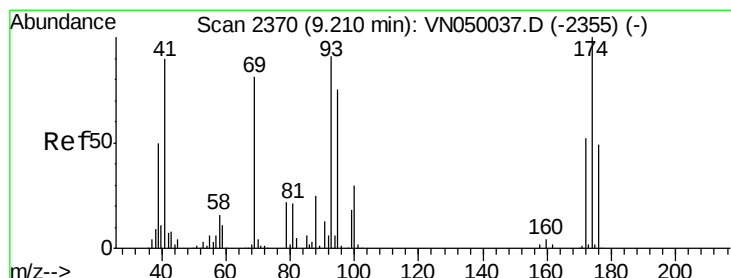
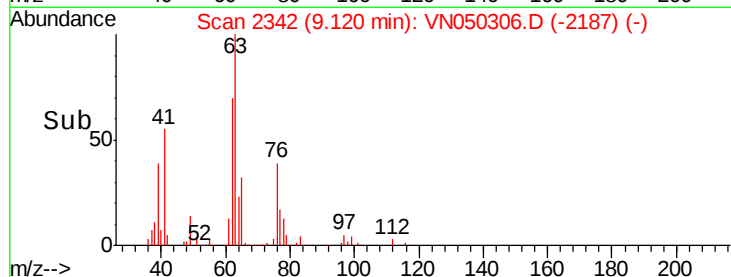
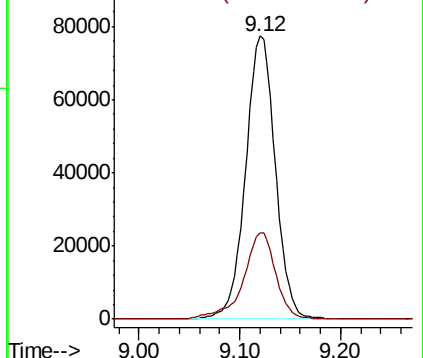
63 100

65 30.0 24.2 36.2



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.17 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

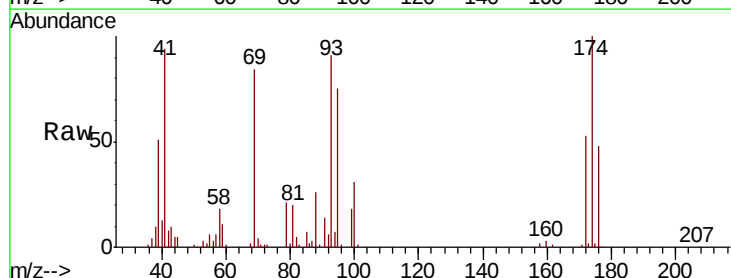
Tgt Ion: 93 Resp: 95934

Ion Ratio Lower Upper

93 100

95 83.7 0.0 165.6

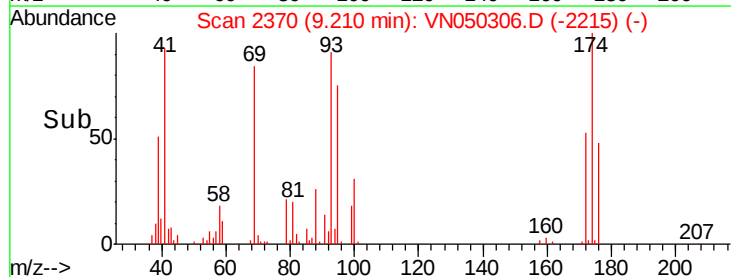
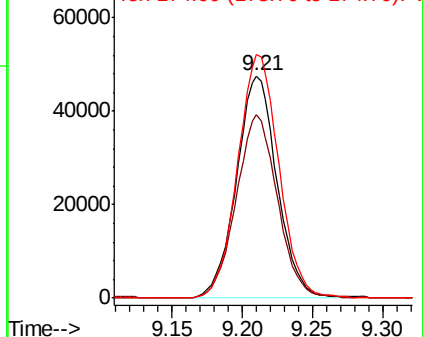
174 111.1 0.0 223.2

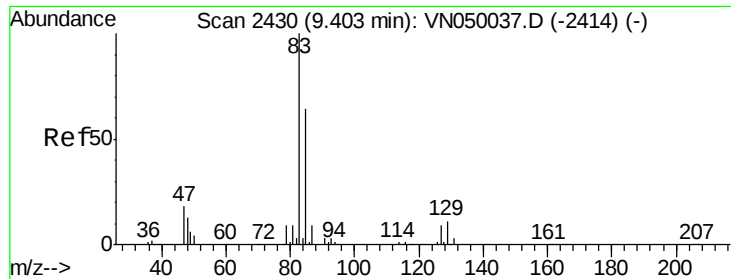


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.20 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

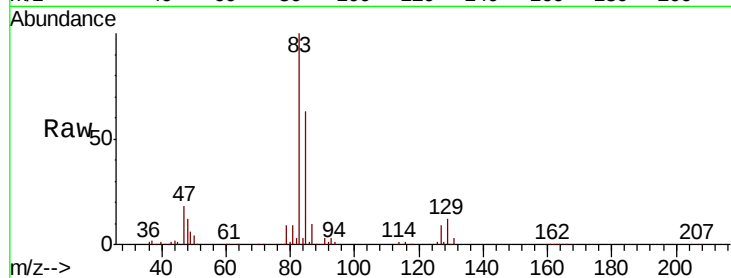
Tot Ion: 83 Resp: 202757

Ion Ratio Lower Upper

83 100

85 63.4 52.6 78.8

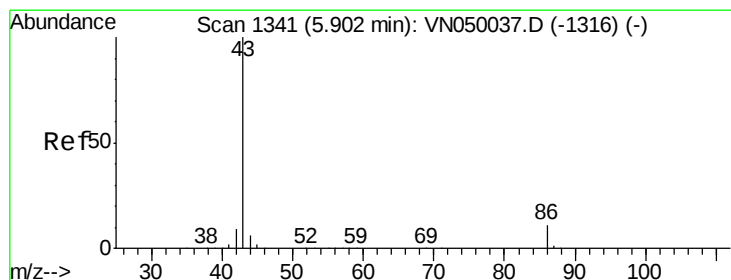
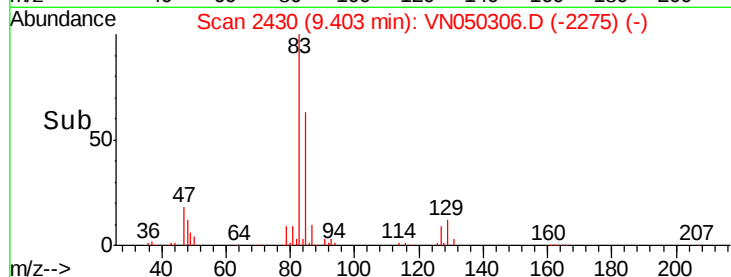
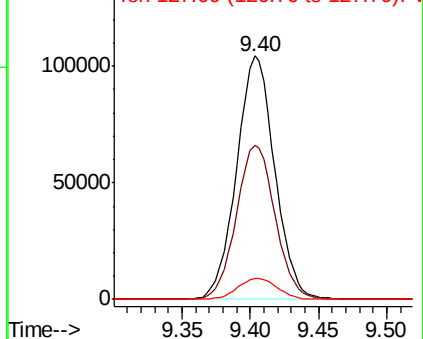
127 8.8 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 85.78 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050306.D

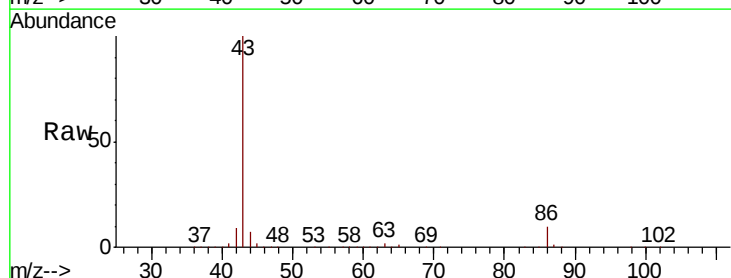
Acq: 3 Aug 2018 11:38

Tgt Ion: 43 Resp: 1352781

Ion Ratio Lower Upper

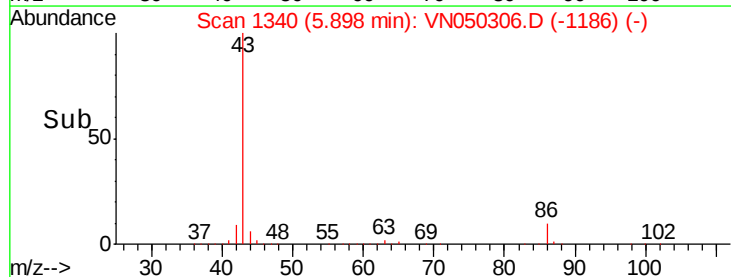
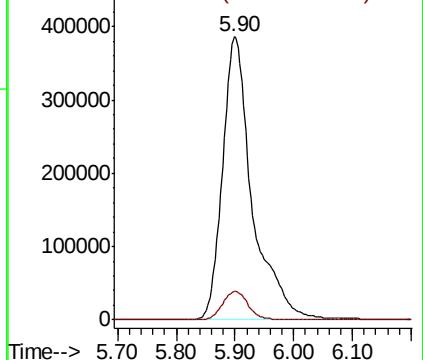
43 100

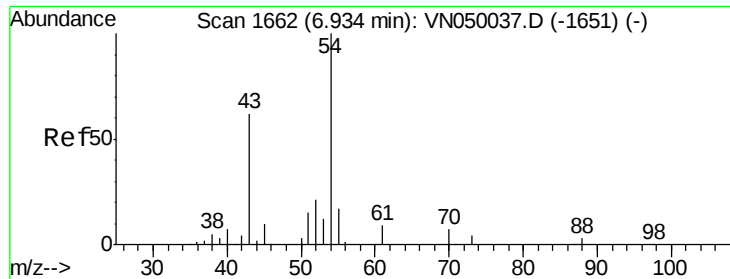
86 8.8 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 18.56 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

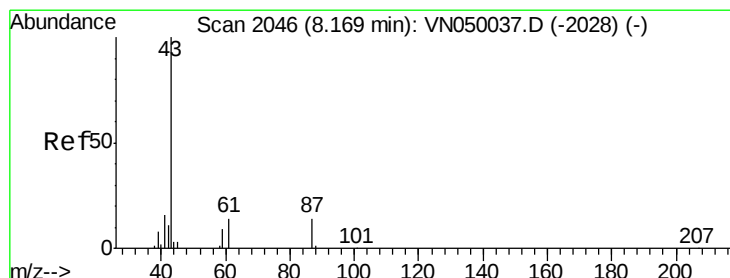
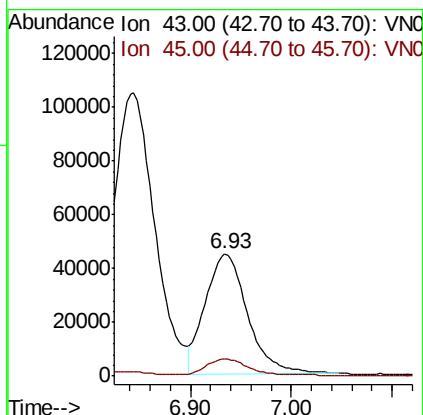
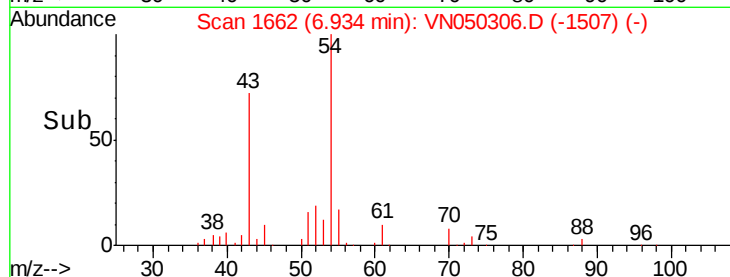
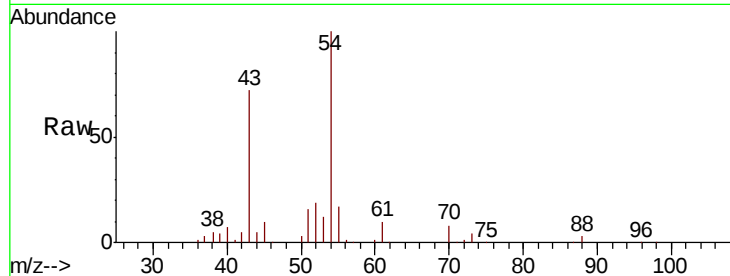
VN0803WBS01

Tot Ion: 43 Resp: 129883

Ion Ratio Lower Upper

43 100

45 11.7 13.0 19.6#



#44

Isopropyl Acetate

Concen: 20.86 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN050306.D

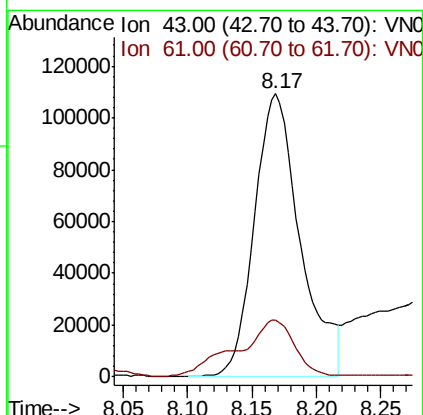
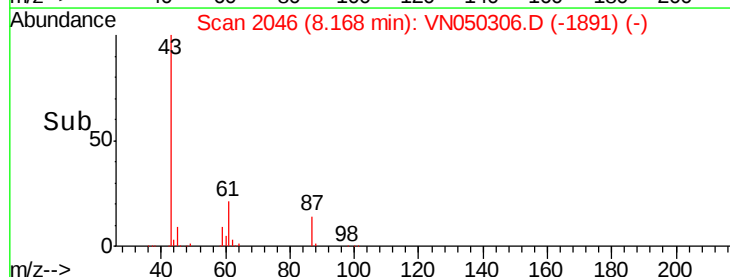
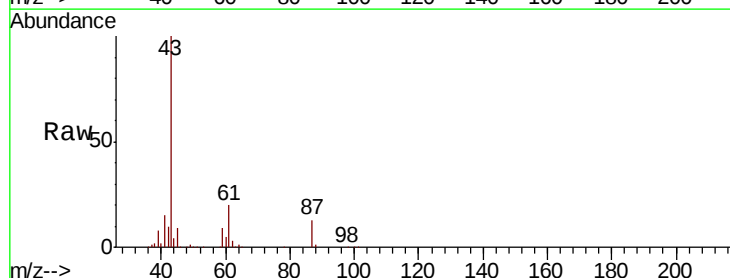
Acq: 3 Aug 2018 11:38

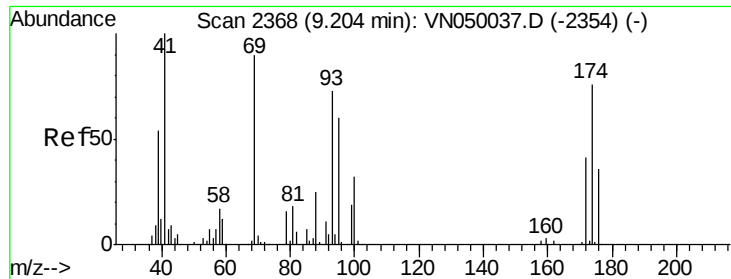
Tgt Ion: 43 Resp: 270423

Ion Ratio Lower Upper

43 100

61 16.3 16.4 24.6#

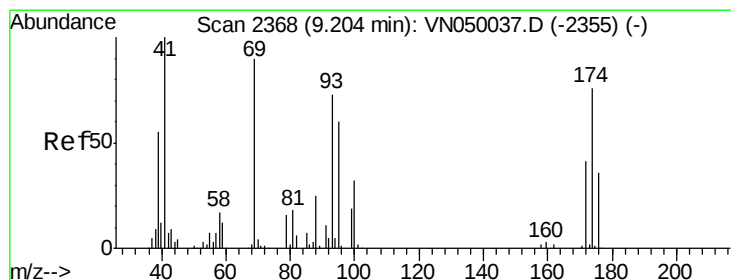
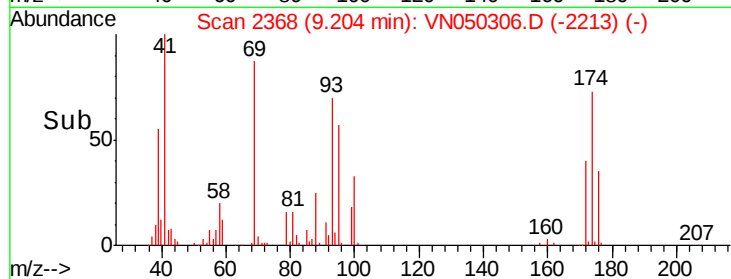
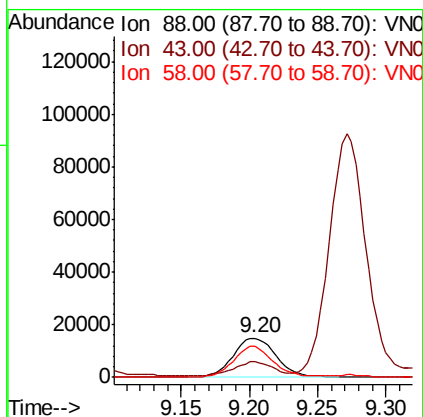
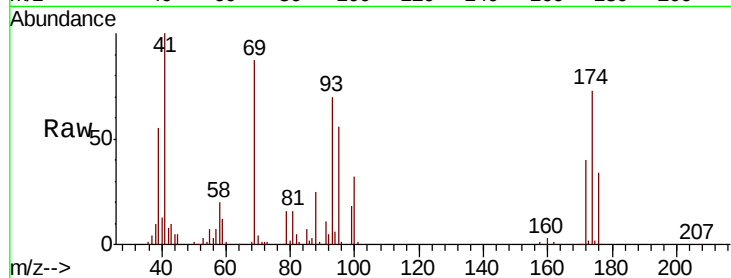




#45
 1,4-Dioxane
 Concen: 384.51 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

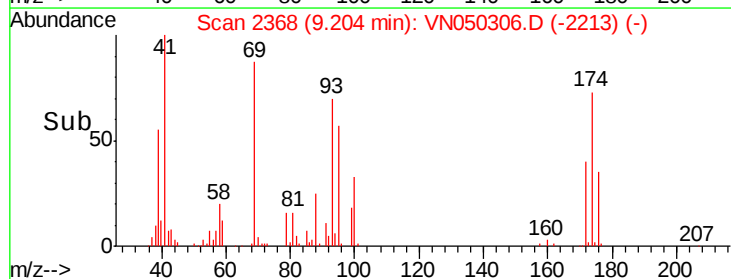
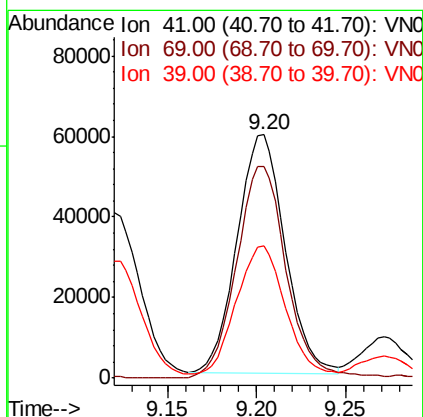
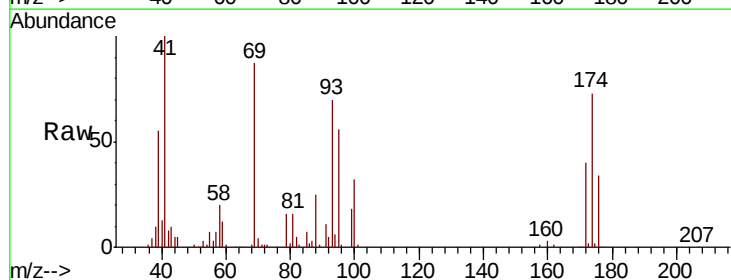
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

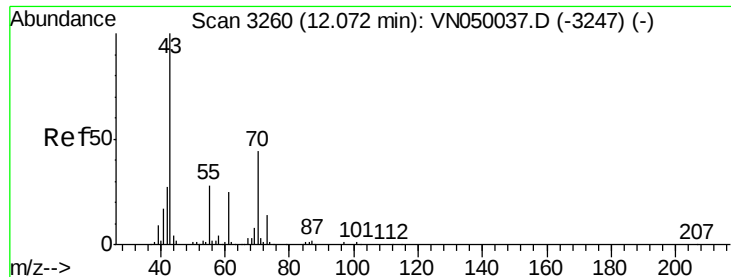
Tot Ion: 88 Resp: 32800
 Ion Ratio Lower Upper
 88 100
 43 33.1 26.9 40.3
 58 73.1 53.6 80.4



#46
 Methyl methacrylate
 Concen: 17.69 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion: 41 Resp: 111193
 Ion Ratio Lower Upper
 41 100
 69 88.8 44.0 132.1
 39 54.3 27.0 80.8





#47

n-amvl Acetate

Concen: 17.15 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

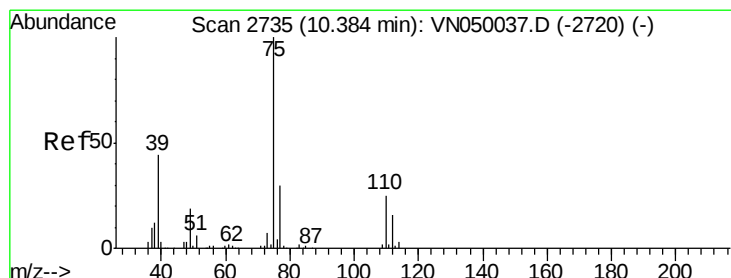
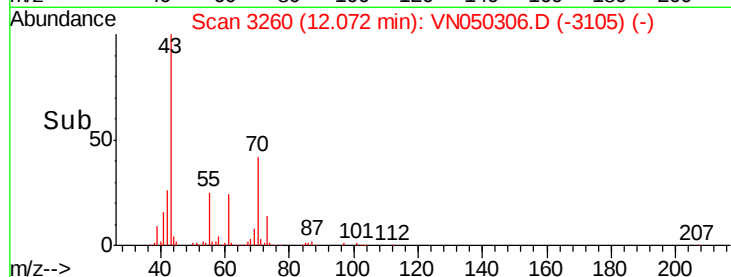
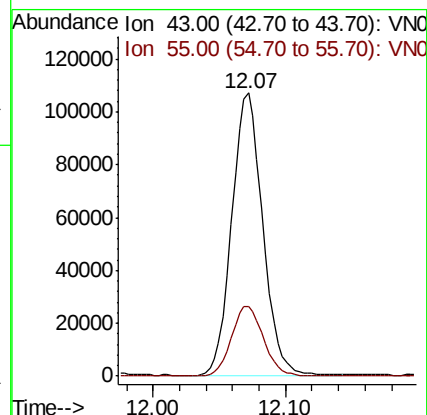
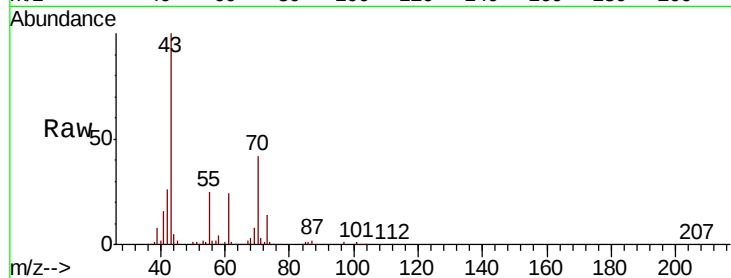
VN0803WBS01

Tot Ion: 43 Resp: 173032

Ion Ratio Lower Upper

43 100

55 25.5 21.0 31.4



#48

t-1,3-Dichloropropene

Concen: 17.95 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050306.D

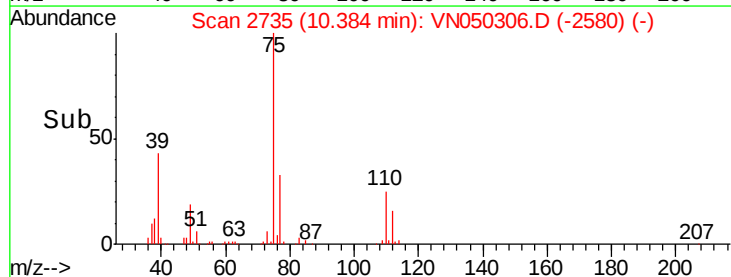
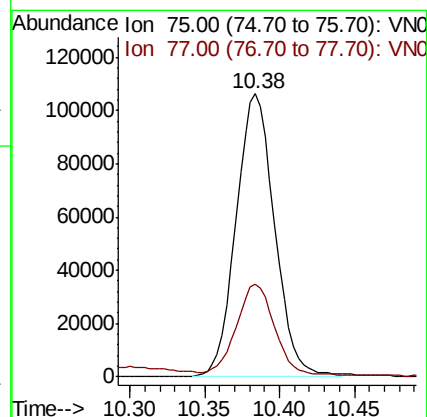
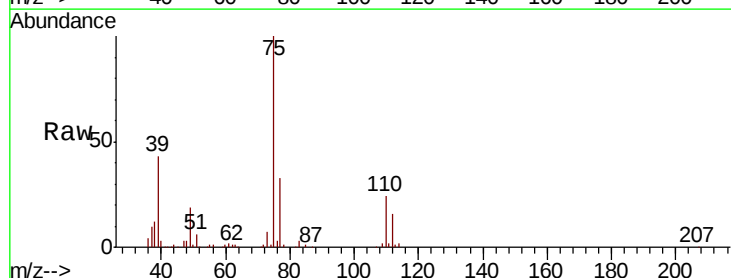
Acq: 3 Aug 2018 11:38

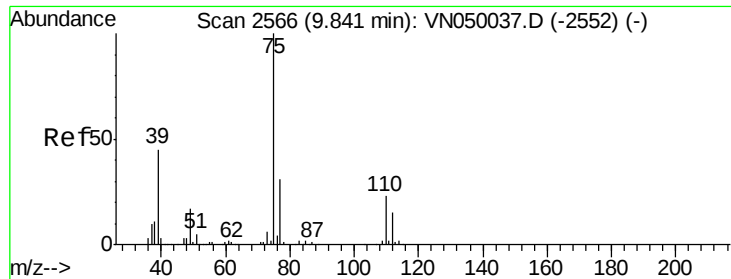
Tgt Ion: 75 Resp: 190613

Ion Ratio Lower Upper

75 100

77 32.1 24.6 37.0

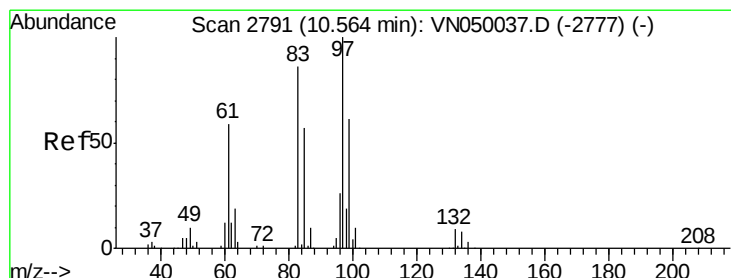
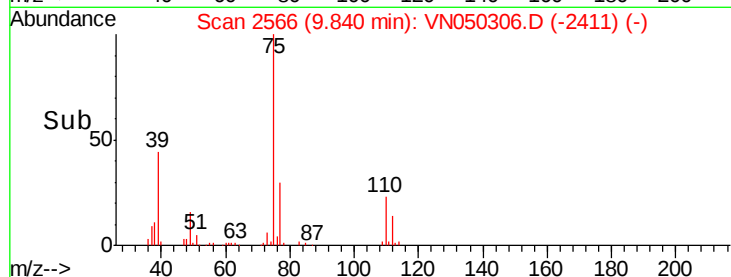
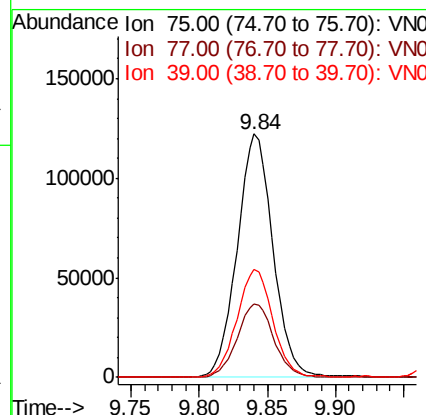
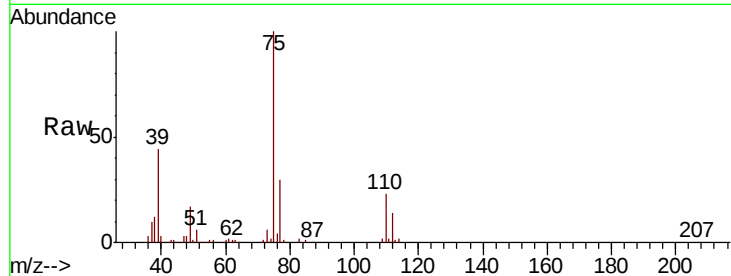




#49
 cis-1,3-Dichloropropene
 Concen: 17.88 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

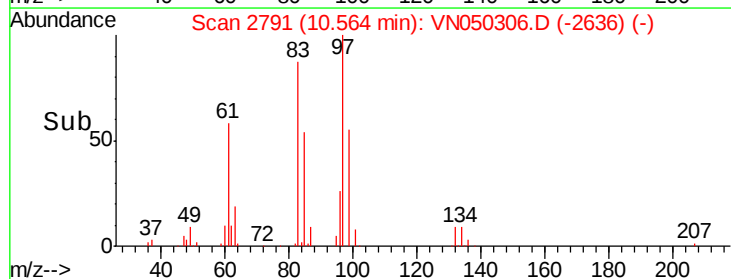
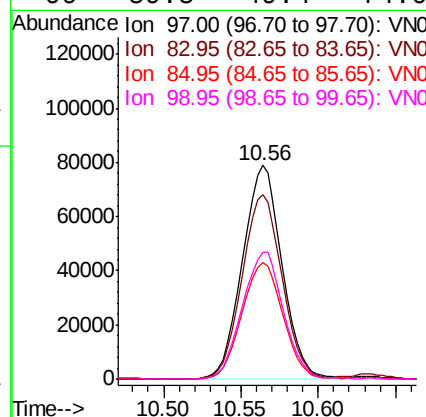
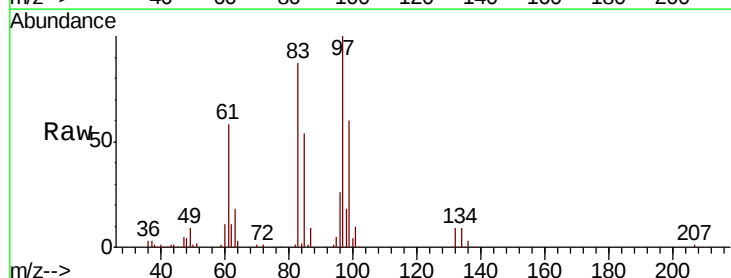
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

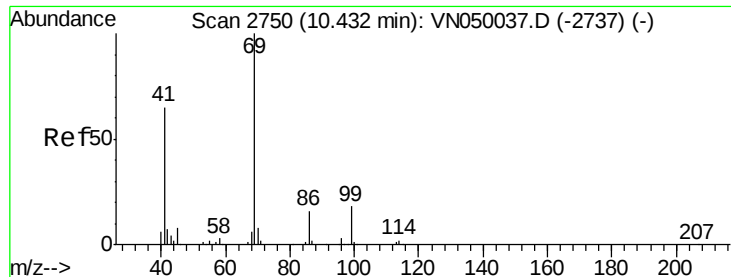
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.7	38.5
39	43.9	36.3	54.5



#50
 1,1,2-Trichloroethane
 Concen: 18.49 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	54.3	45.4	68.2
99	59.5	49.4	74.0





#51

Ethyl methacrylate

Concen: 17.57 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

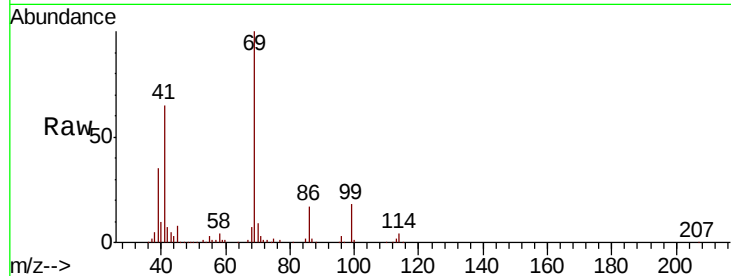
Tot Ion: 69 Resp: 161661

Ion Ratio Lower Upper

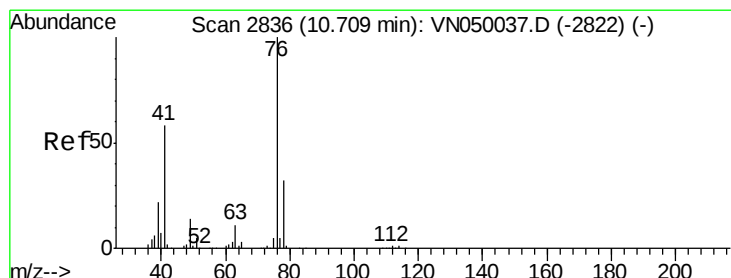
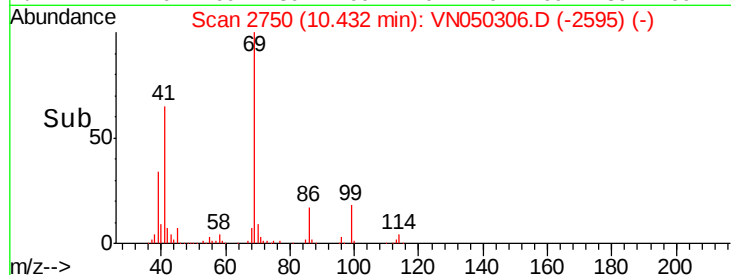
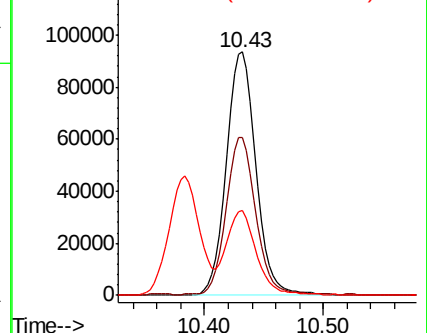
69 100

41 64.7 31.9 95.9

39 34.3 16.7 50.1



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



#52

1,3-Dichloropropane

Concen: 18.24 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050306.D

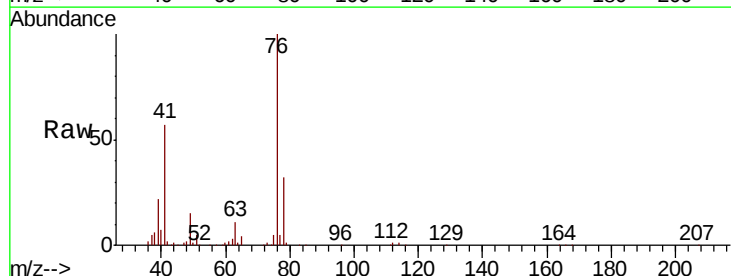
Acq: 3 Aug 2018 11:38

Tgt Ion: 76 Resp: 226990

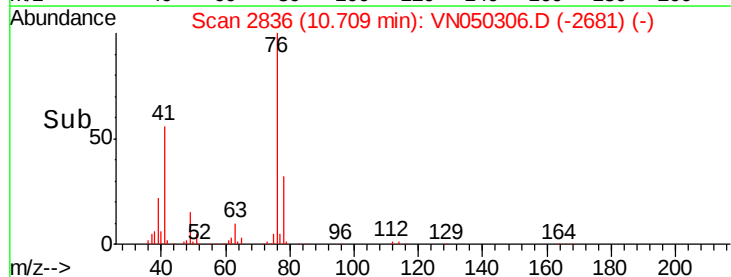
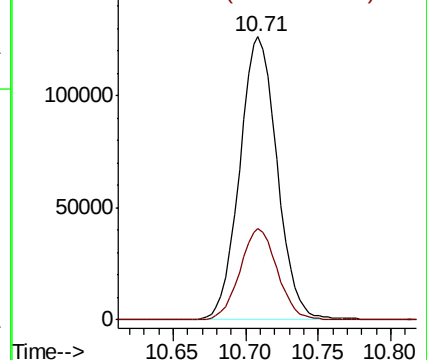
Ion Ratio Lower Upper

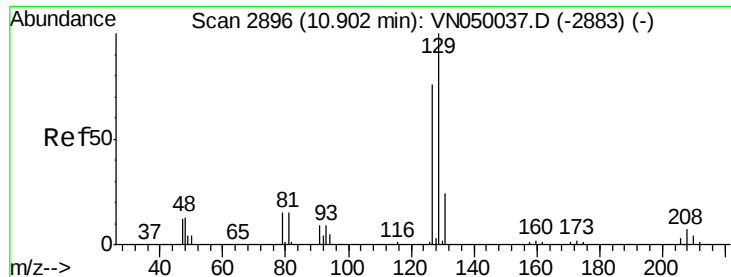
76 100

78 32.3 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0

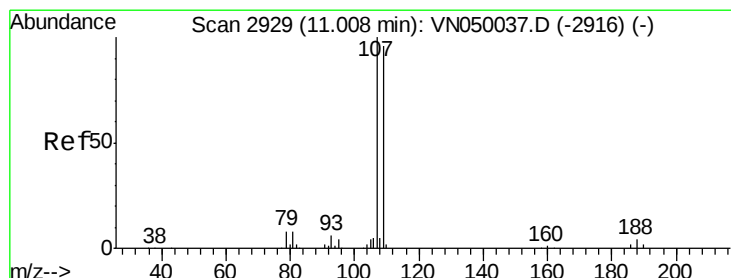
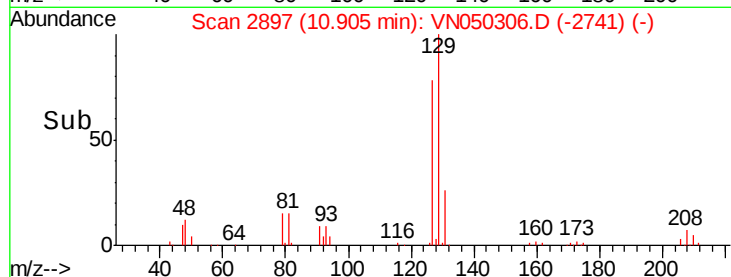
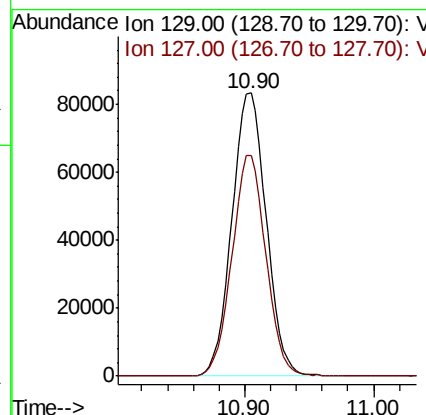
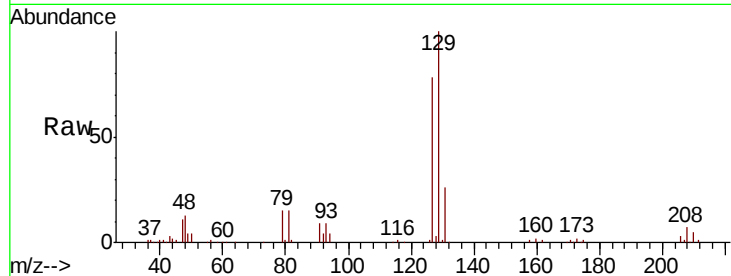




#53
 Dibromochloromethane
 Concen: 17.93 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

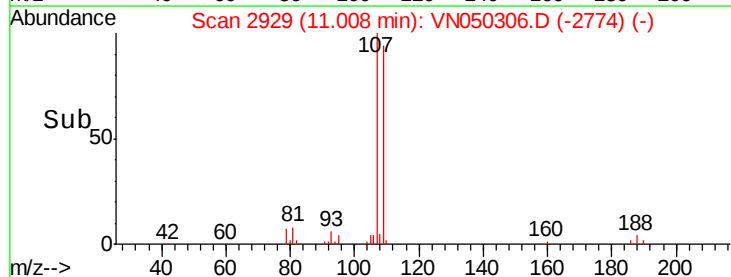
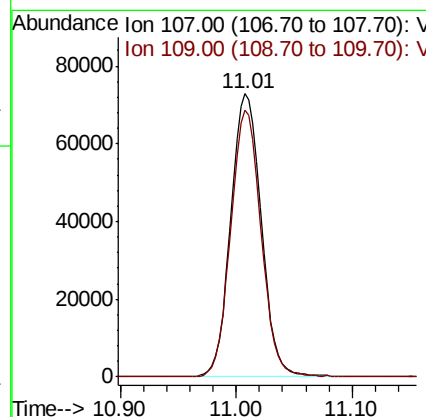
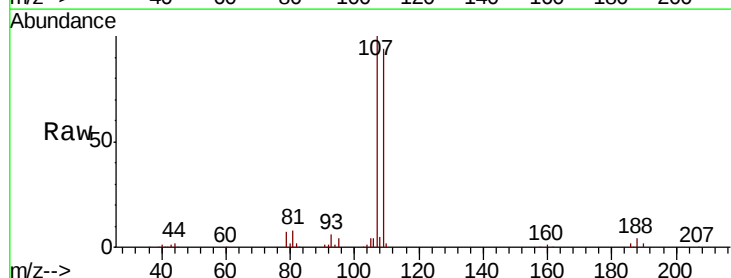
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

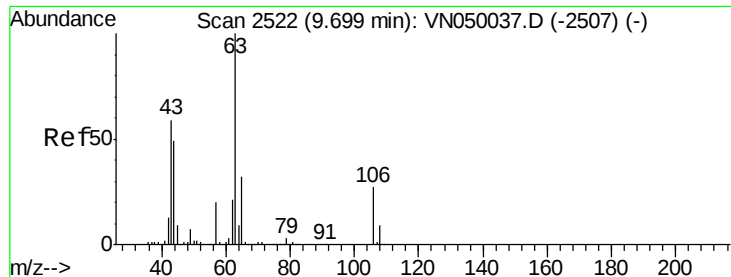
Tot Ion:129 Resp: 154211
 Ion Ratio Lower Upper
 129 100
 127 76.8 38.1 114.5



#54
 1,2-Dibromoethane
 Concen: 17.84 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion:107 Resp: 132440
 Ion Ratio Lower Upper
 107 100
 109 93.4 76.2 114.2

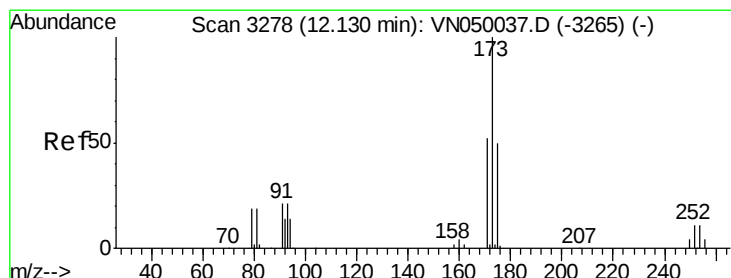
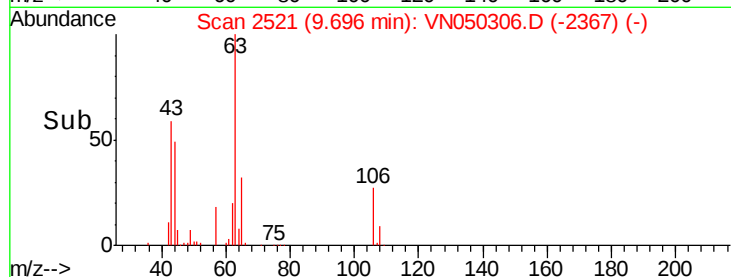
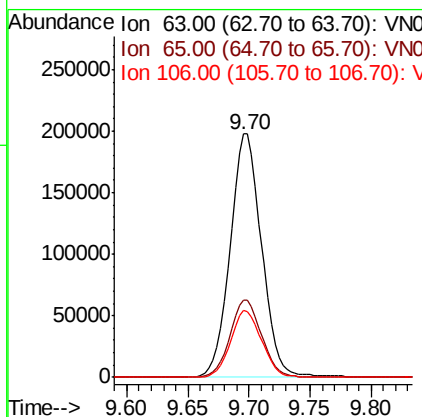
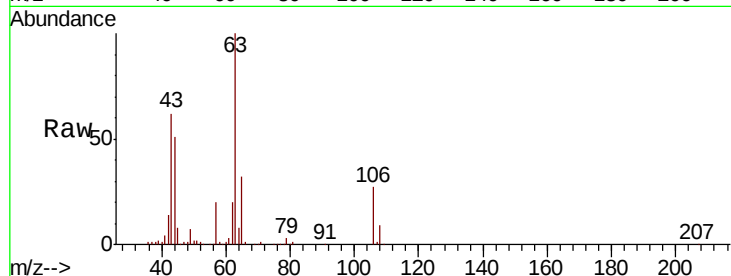




#55
 2-Chloroethyl vinyl ether
 Concen: 85.33 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

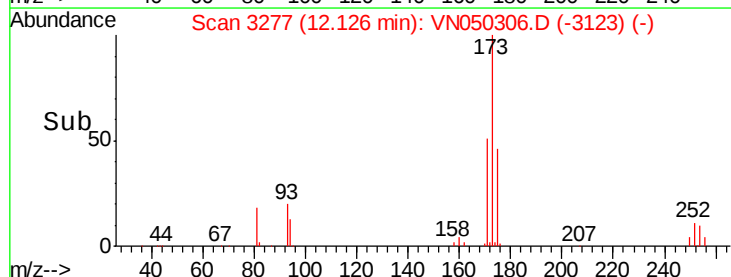
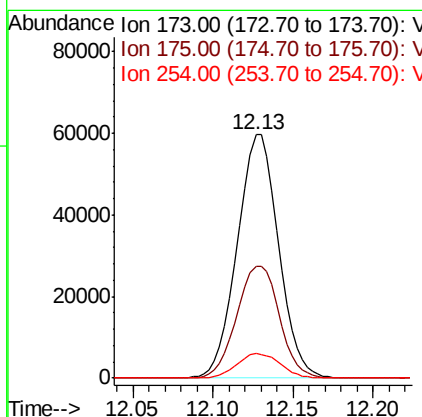
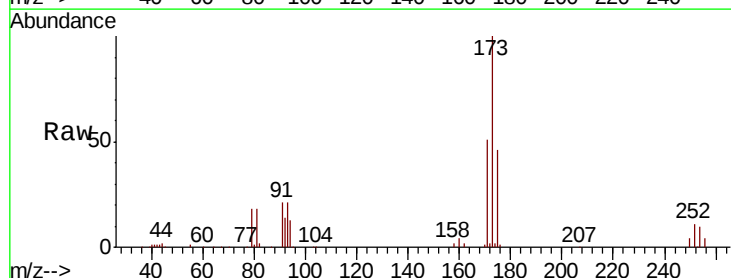
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

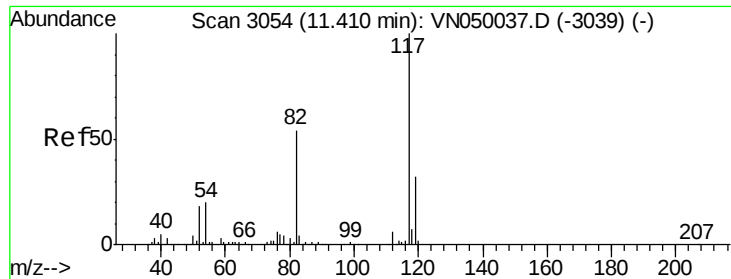
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3
106	27.4	21.8	32.6



#56
 Bromoform
 Concen: 17.24 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.6	38.6	57.8
254	10.6	8.8	13.2

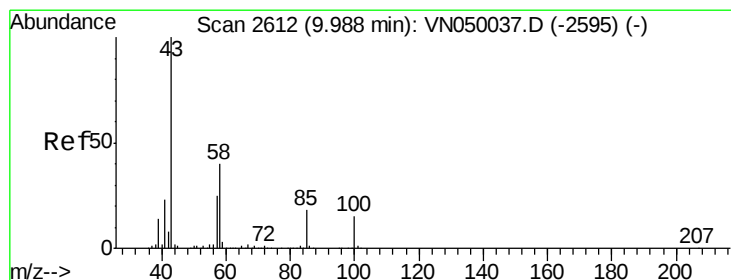
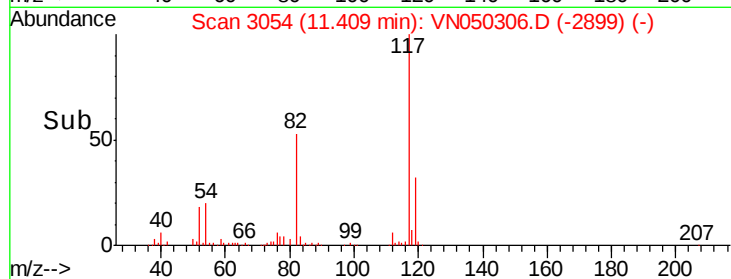
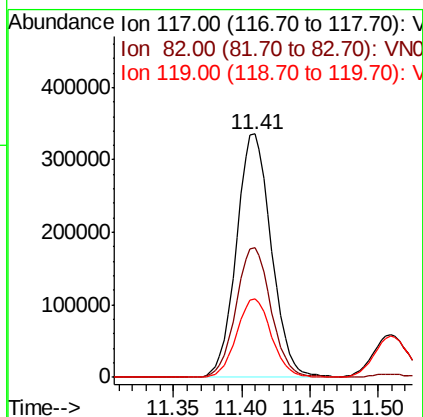
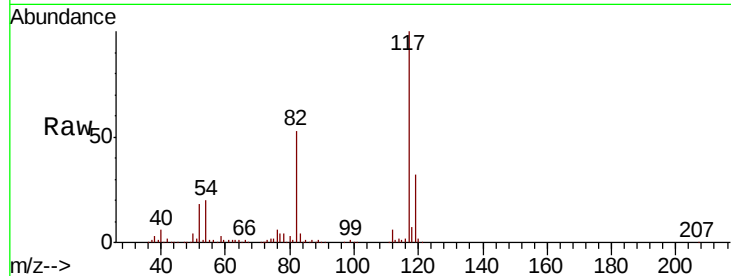




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

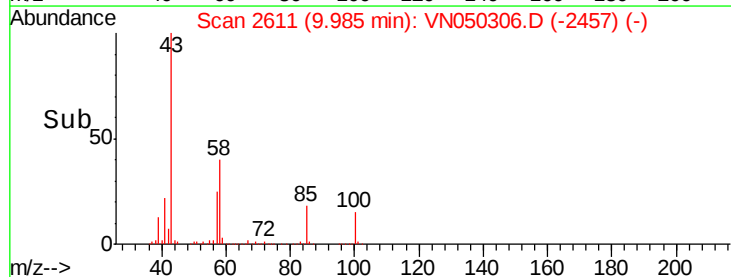
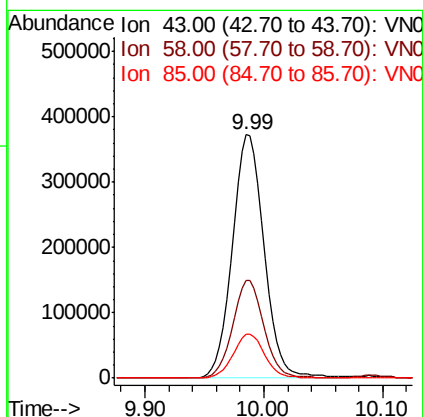
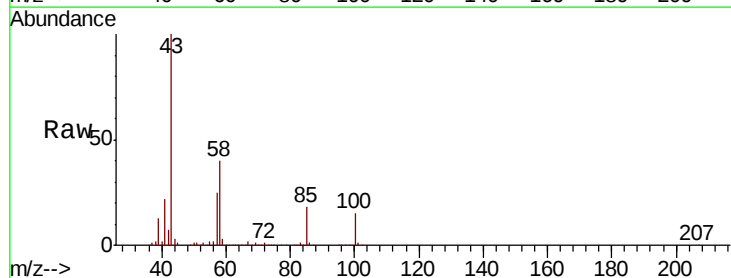
Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

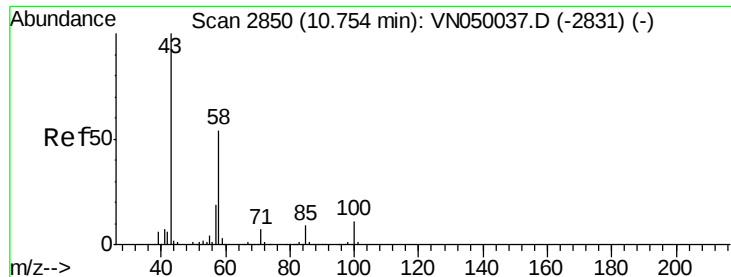
Tot Ion:117 Resp: 597052
Ion Ratio Lower Upper
117 100
82 53.6 42.4 63.6
119 32.2 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 98.88 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion: 43 Resp: 686918
Ion Ratio Lower Upper
43 100
58 39.6 31.2 46.8
85 18.2 14.4 21.6

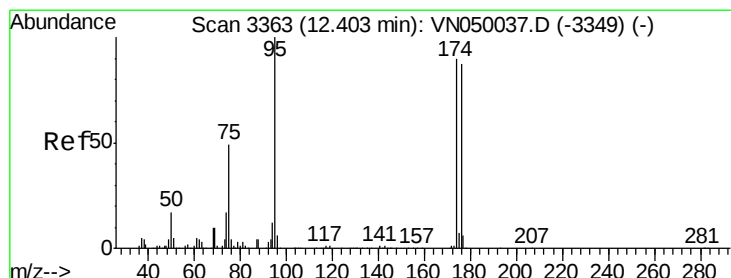
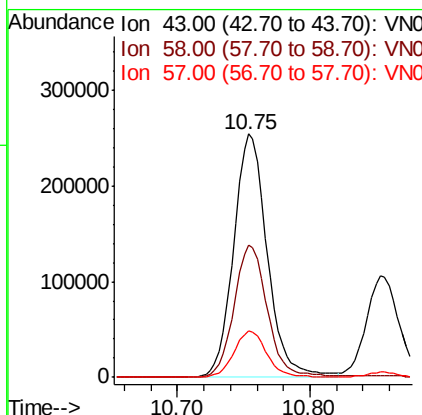
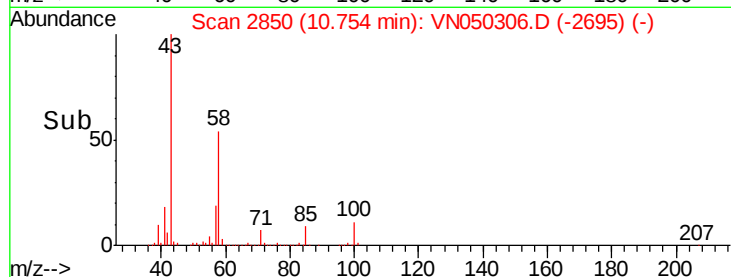
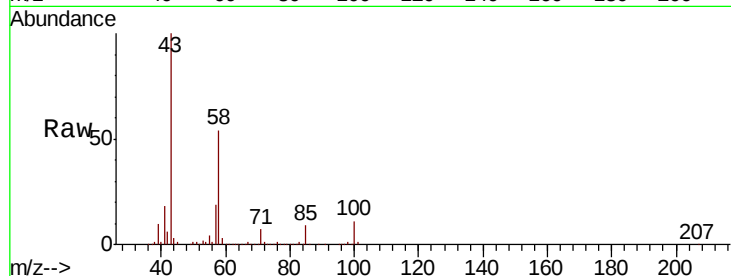




#59
2-Hexanone
Concen: 94.20 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

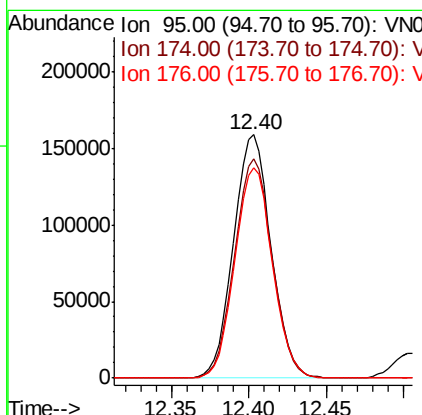
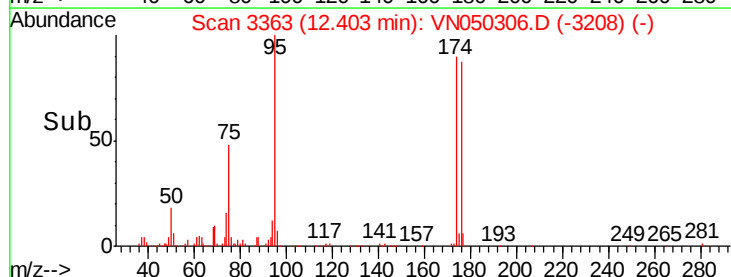
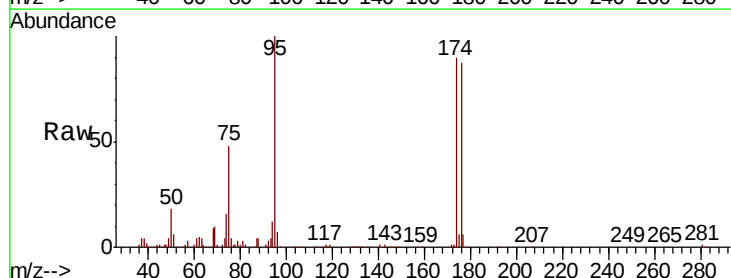
Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

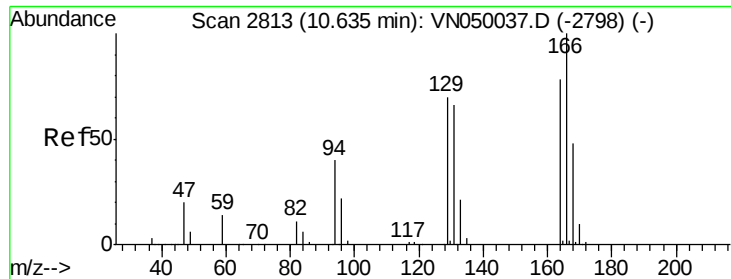
Tot Ion: 43 Resp: 446449
Ion Ratio Lower Upper
43 100
58 54.2 43.8 65.8
57 18.8 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.24 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion: 95 Resp: 268171
Ion Ratio Lower Upper
95 100
174 90.4 72.3 108.5
176 86.7 70.0 105.0

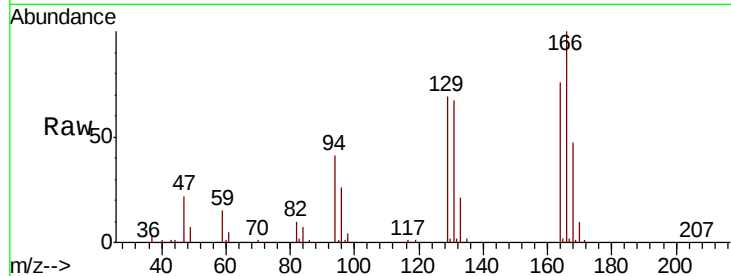




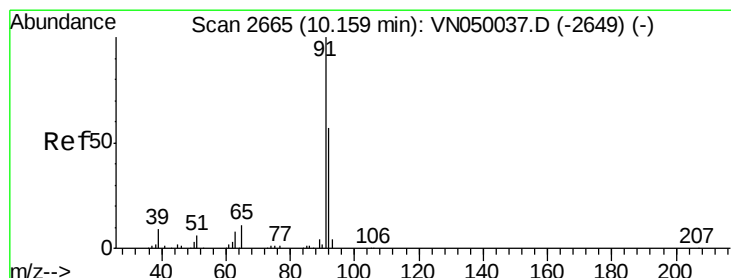
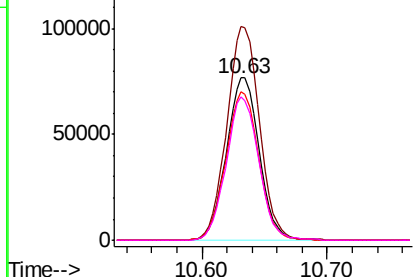
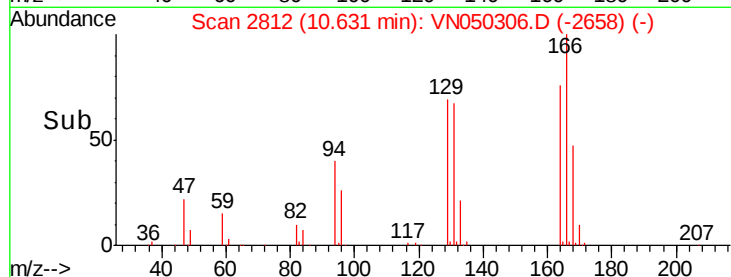
#61
Tetrachloroethene
Concen: 17.24 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion:164 Resp: 139398
Ion Ratio Lower Upper
164 100
166 131.7 100.0 150.0
129 91.2 69.3 103.9
131 88.7 68.8 103.2

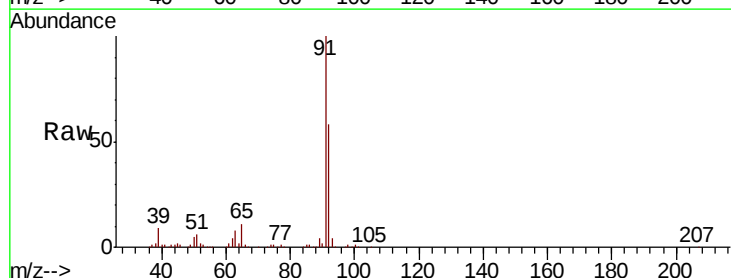


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

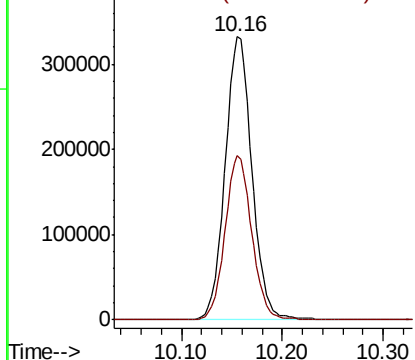
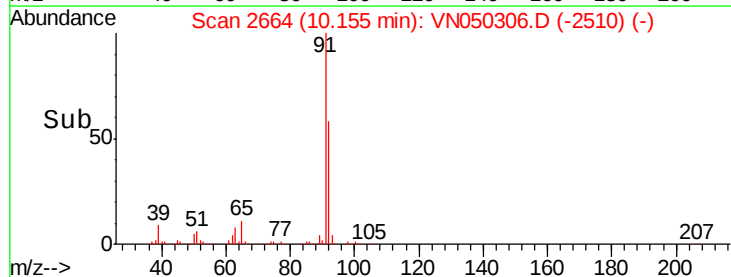


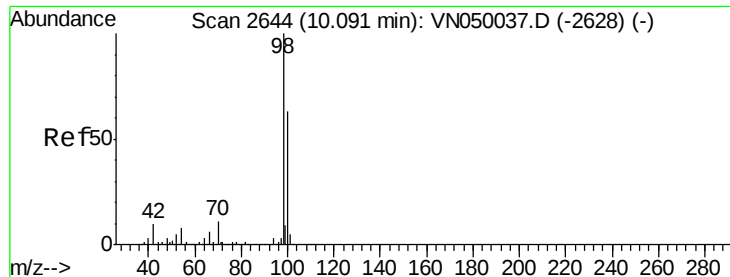
#62
Toluene
Concen: 18.13 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion: 91 Resp: 617559
Ion Ratio Lower Upper
91 100
92 57.6 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.29 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

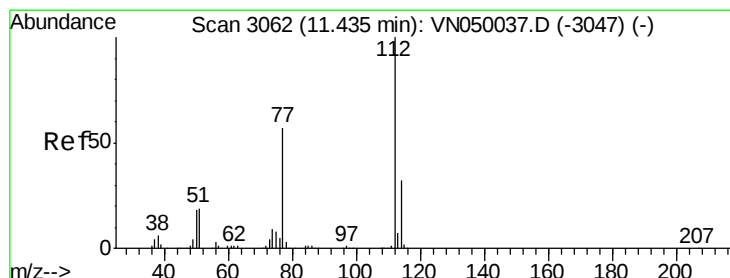
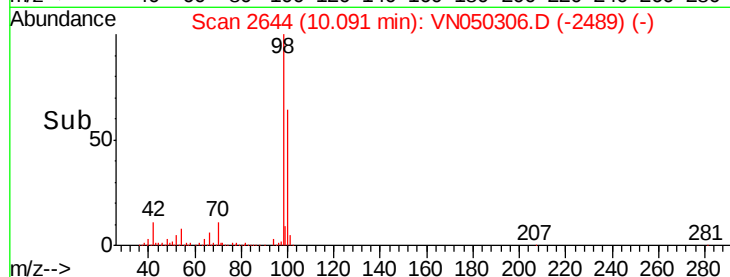
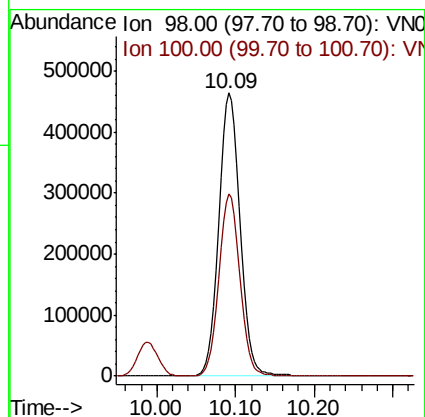
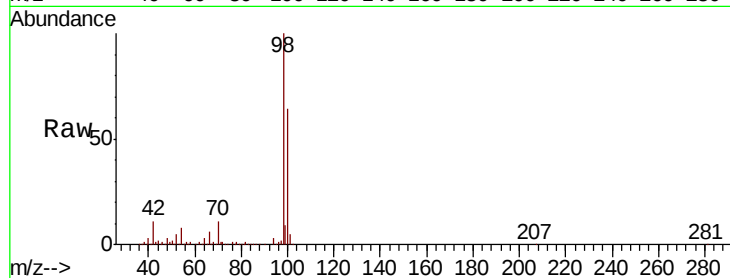
VN0803WBS01

Tot Ion: 98 Resp: 863739

Ion Ratio Lower Upper

98 100

100 62.9 51.2 76.8



#64

Chlorobenzene

Concen: 18.20 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050306.D

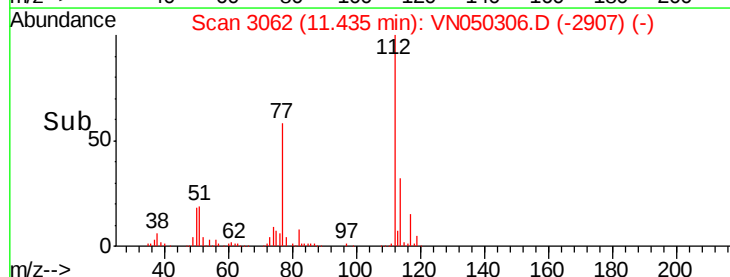
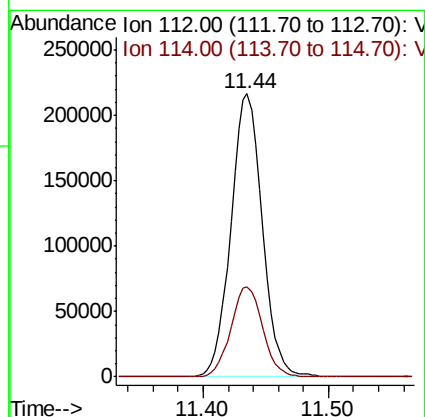
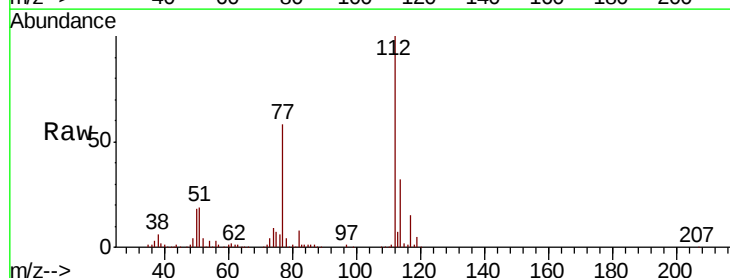
Acq: 3 Aug 2018 11:38

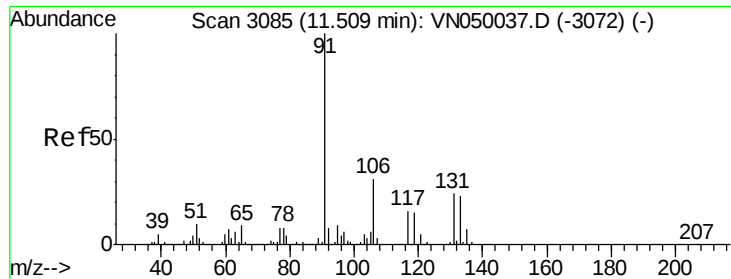
Tgt Ion: 112 Resp: 376021

Ion Ratio Lower Upper

112 100

114 31.8 26.2 39.2

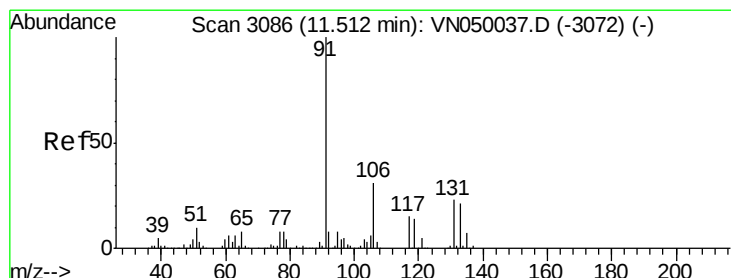
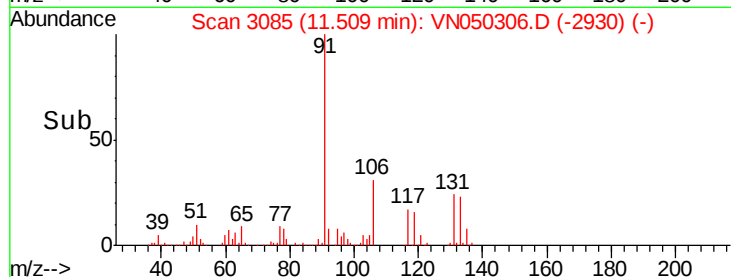
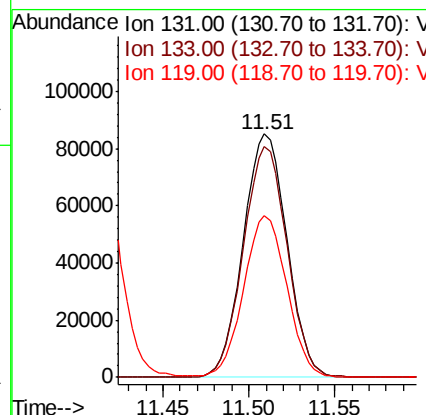
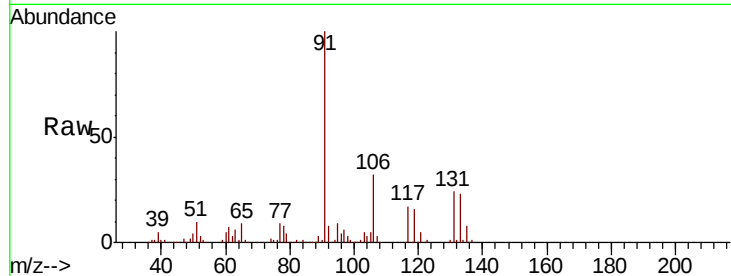




#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.65 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

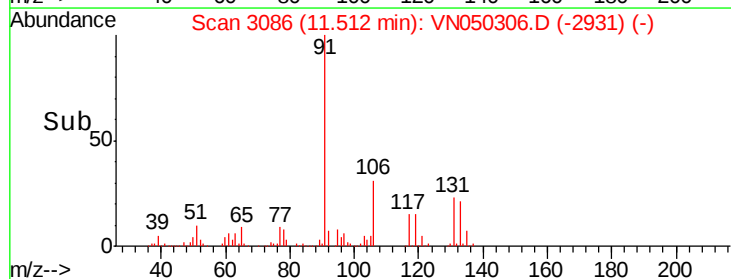
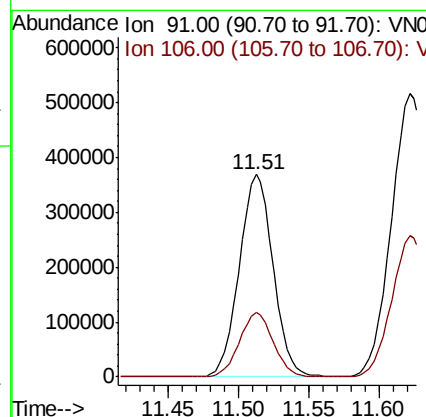
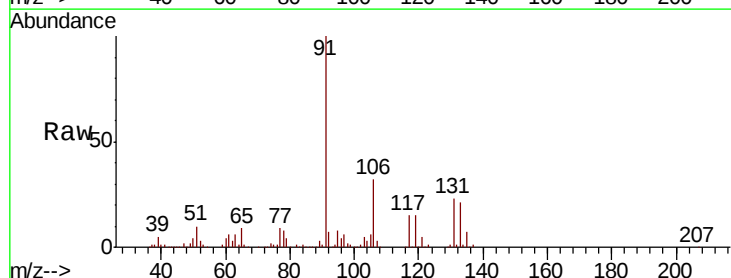
Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS01

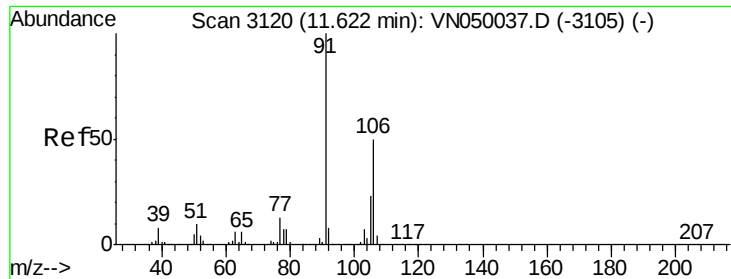
Tot Ion:131 Resp: 150268
 Ion Ratio Lower Upper
 131 100
 133 95.1 0.0 190.0
 119 65.6 0.0 131.6



#66
 Ethyl Benzene
 Concen: 17.82 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion: 91 Resp: 620427
 Ion Ratio Lower Upper
 91 100
 106 31.6 25.1 37.7





#67

m/p-Xylenes

Concen: 36.58 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

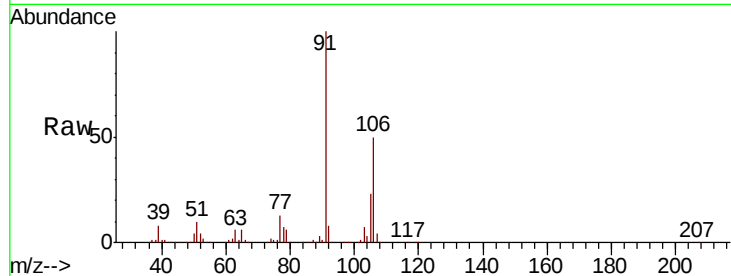
VN0803WBS01

Tot Ion:106 Resp: 490025

Ion Ratio Lower Upper

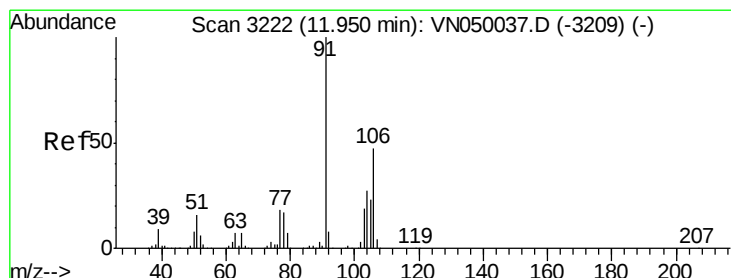
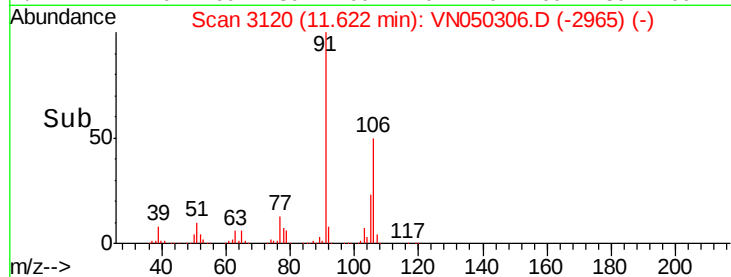
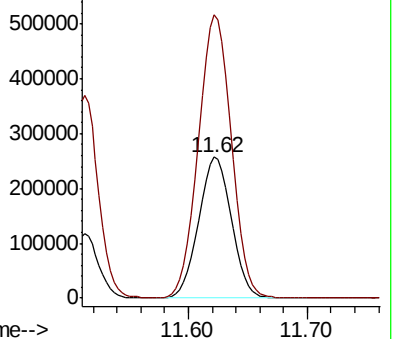
106 100

91 202.2 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 18.17 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050306.D

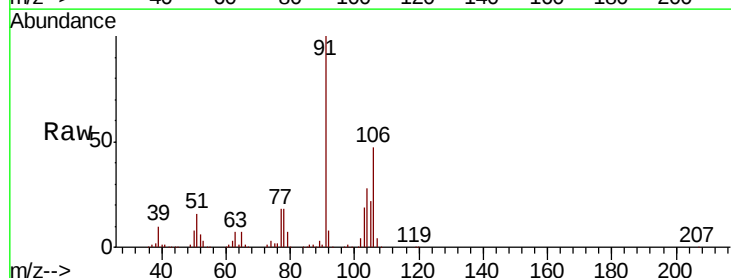
Acq: 3 Aug 2018 11:38

Tgt Ion:106 Resp: 231557

Ion Ratio Lower Upper

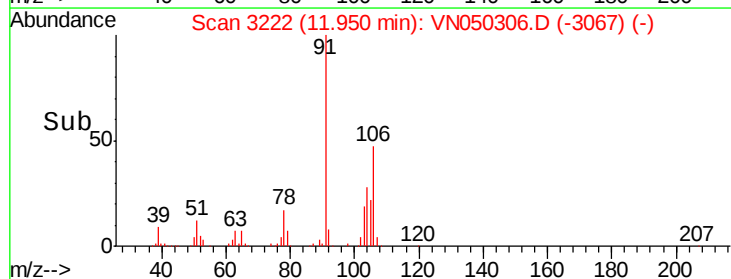
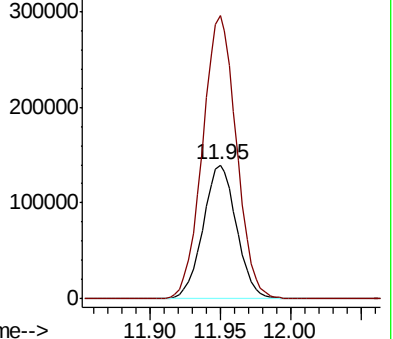
106 100

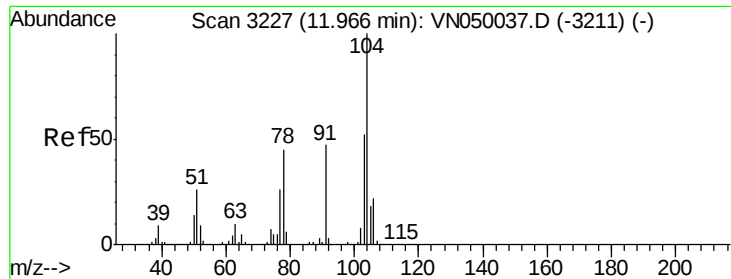
91 214.5 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

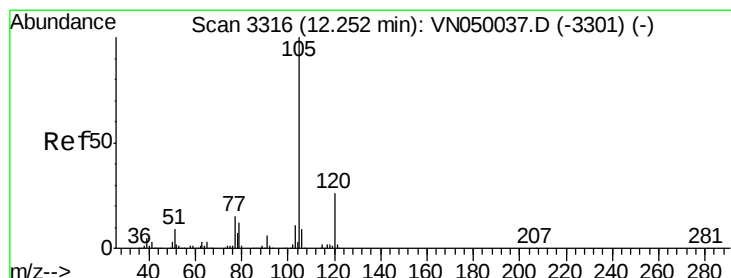
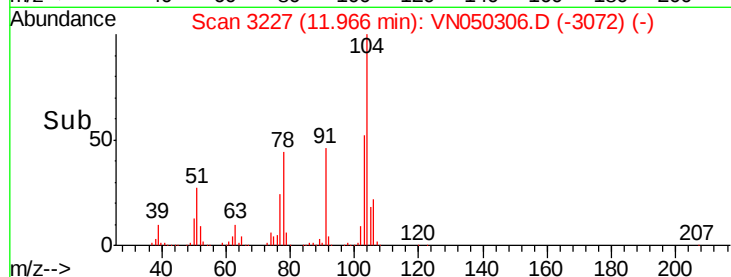
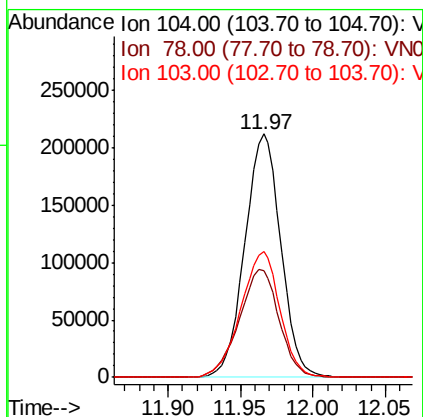
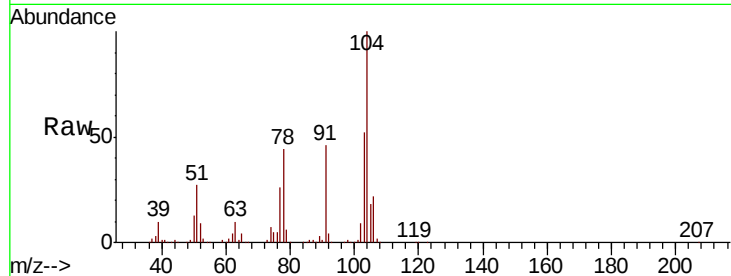




#69
Stvrene
Concen: 17.96 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

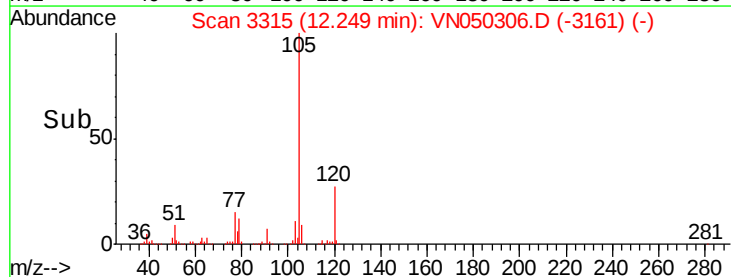
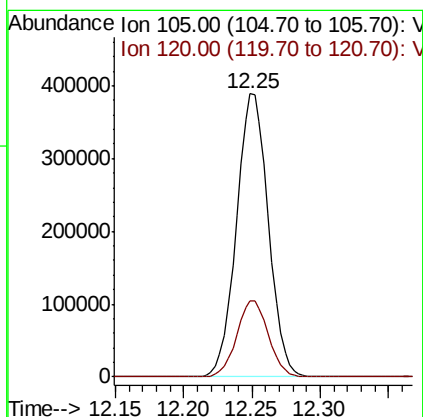
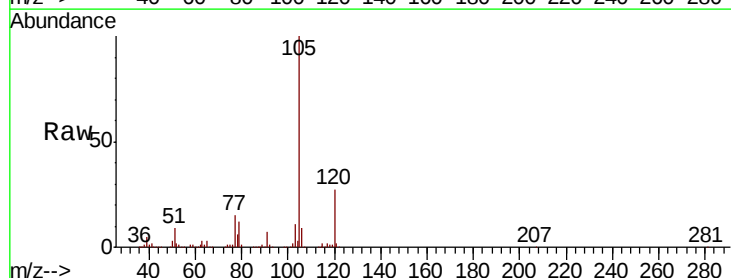
Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

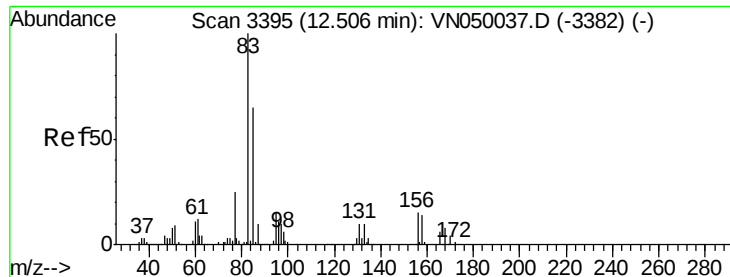
Tot Ion:104 Resp: 366918
Ion Ratio Lower Upper
104 100
78 49.3 39.3 58.9
103 56.2 44.5 66.7



#70
Isopropylbenzene
Concen: 18.52 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion:105 Resp: 628631
Ion Ratio Lower Upper
105 100
120 26.6 18.9 35.1





#71

1,1,2,2-Tetrachloroethane

Concen: 19.34 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

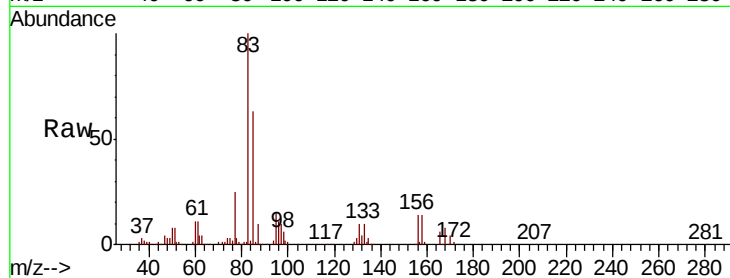
Tot Ion: 83 Resp: 180240

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

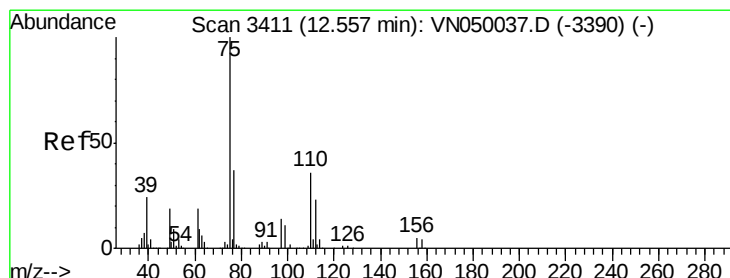
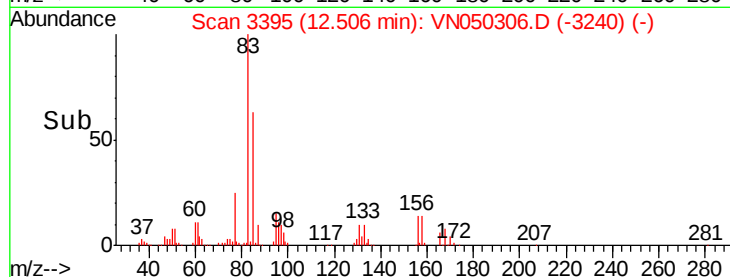
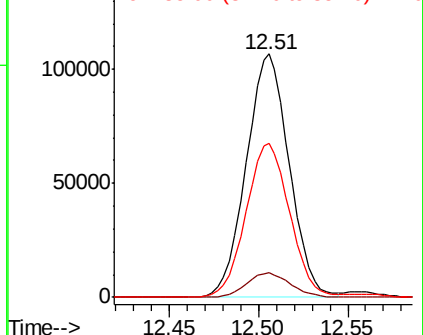
85 64.3 31.7 95.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 25.53 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN050306.D

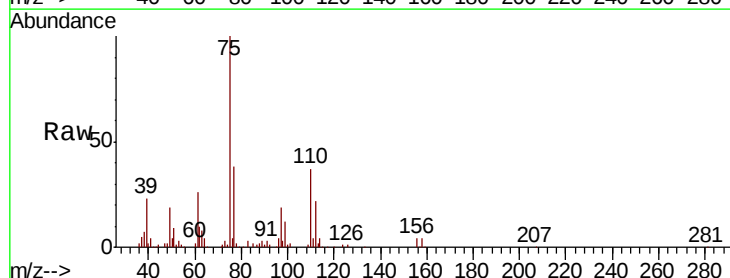
Acq: 3 Aug 2018 11:38

Tgt Ion: 75 Resp: 203242

Ion Ratio Lower Upper

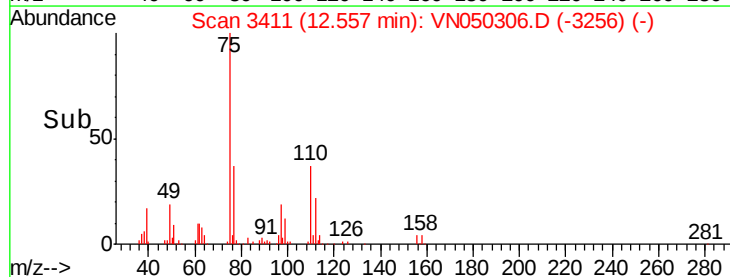
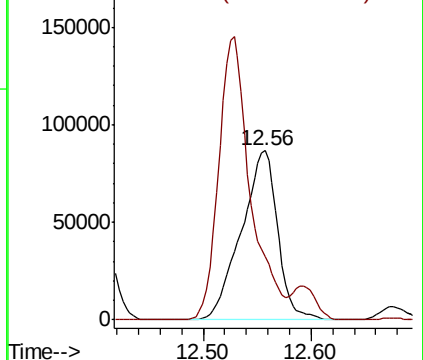
75 100

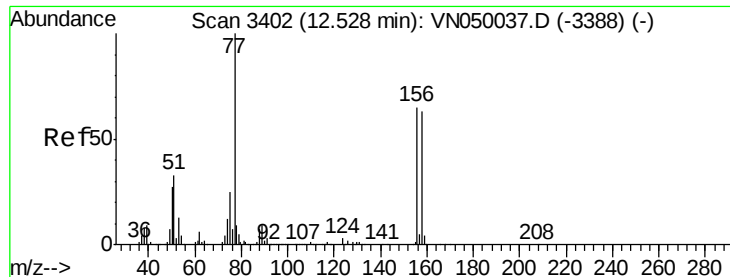
77 145.8 0.0 454.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 17.73 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

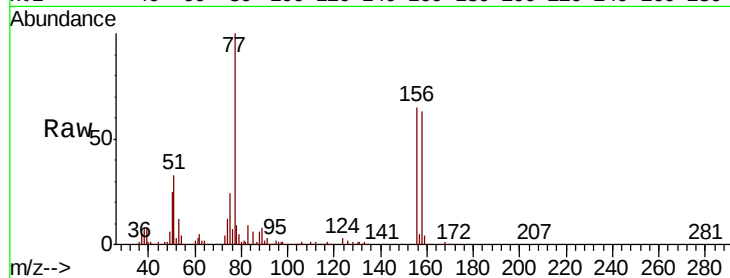
Tot Ion:156 Resp: 160376

Ion Ratio Lower Upper

156 100

77 184.8 0.0 359.8

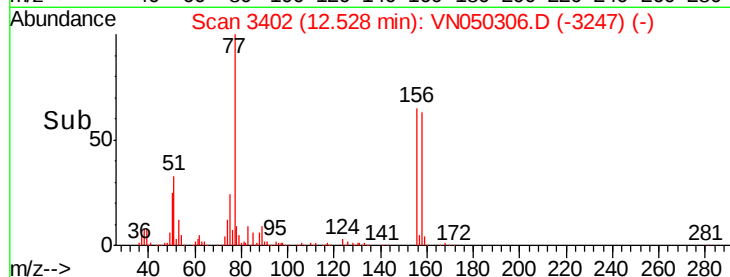
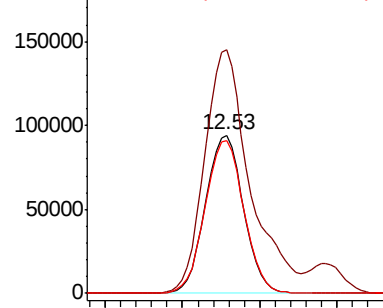
158 98.8 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.03 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050306.D

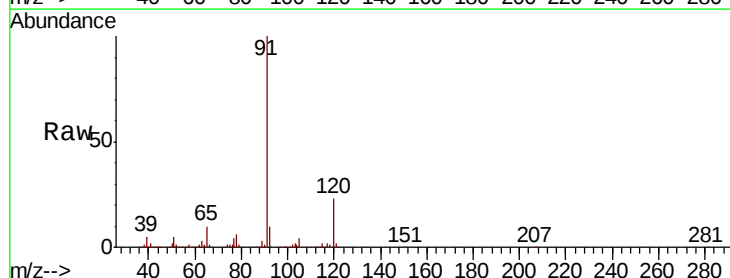
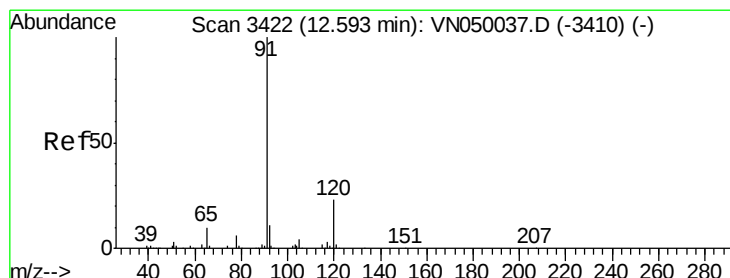
Acq: 3 Aug 2018 11:38

Tgt Ion: 91 Resp: 713008

Ion Ratio Lower Upper

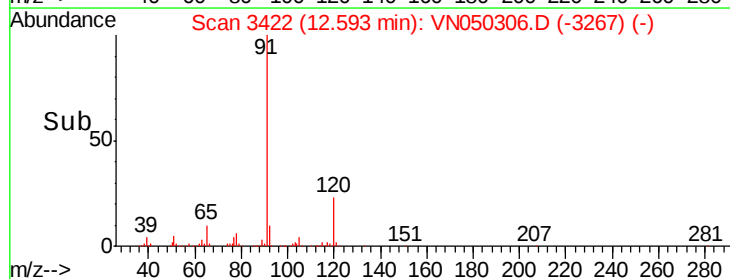
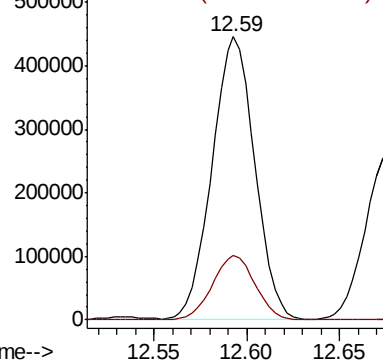
91 100

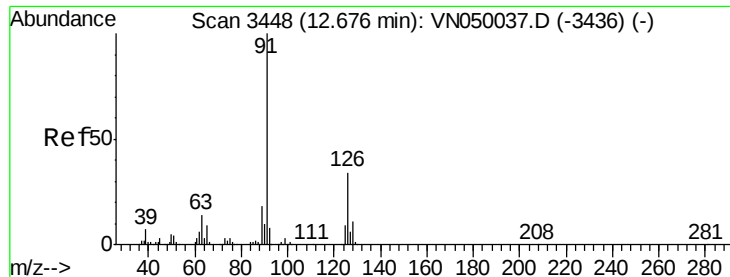
120 22.8 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.32 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

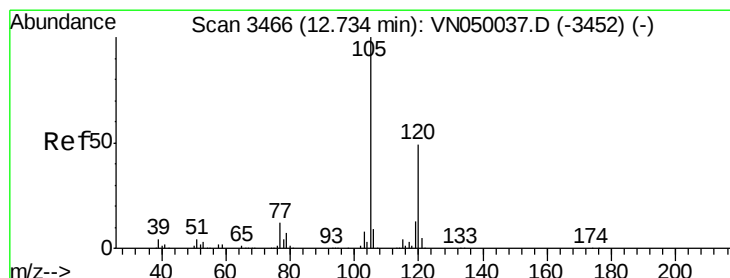
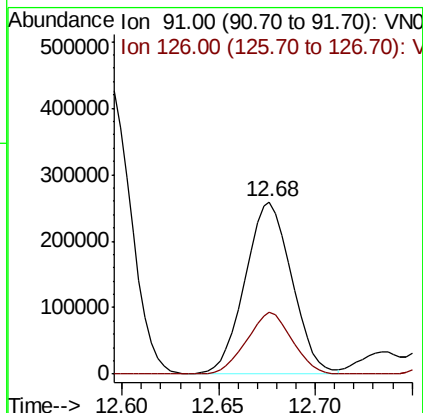
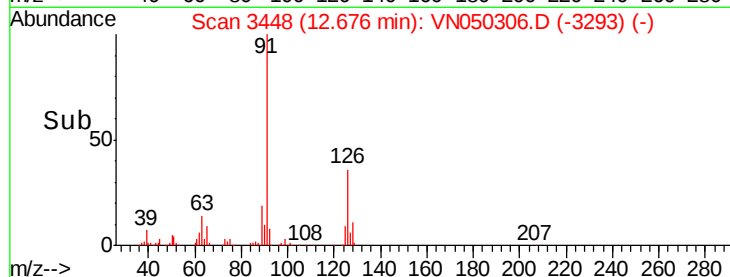
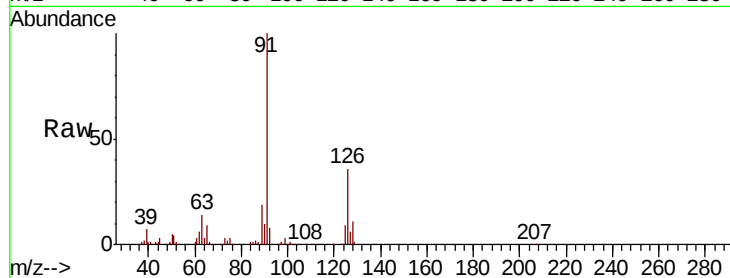
VN0803WBS01

Tot Ion: 91 Resp: 434944

Ion Ratio Lower Upper

91 100

126 35.1 0.0 68.6



#76

1,3,5-Trimethylbenzene

Concen: 18.53 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050306.D

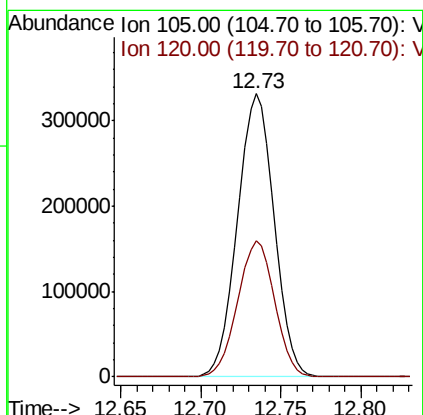
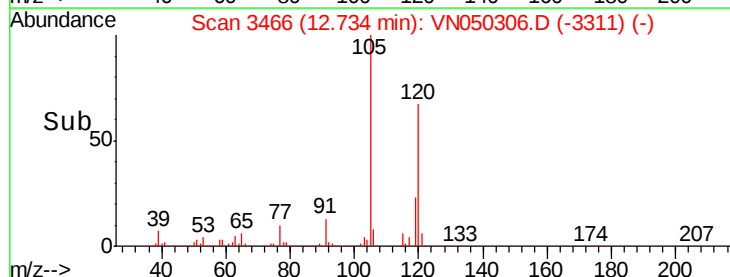
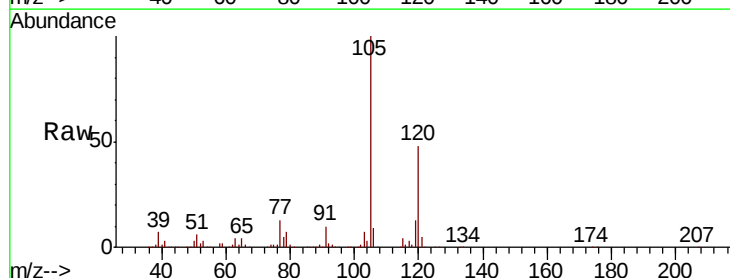
Acq: 3 Aug 2018 11:38

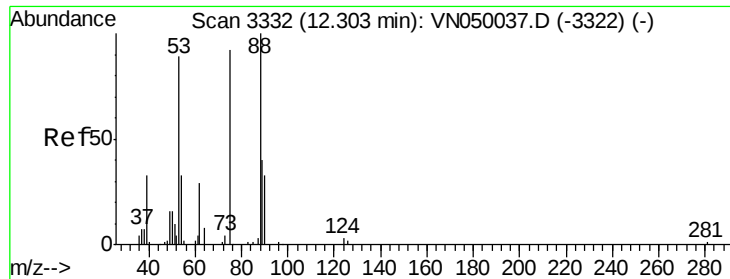
Tgt Ion:105 Resp: 516605

Ion Ratio Lower Upper

105 100

120 48.7 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 15.49 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

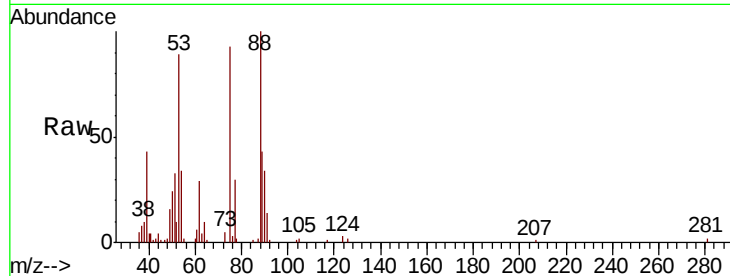
Tot Ion: 75 Resp: 40318

Ion Ratio Lower Upper

75 100

53 95.4 44.6 134.0

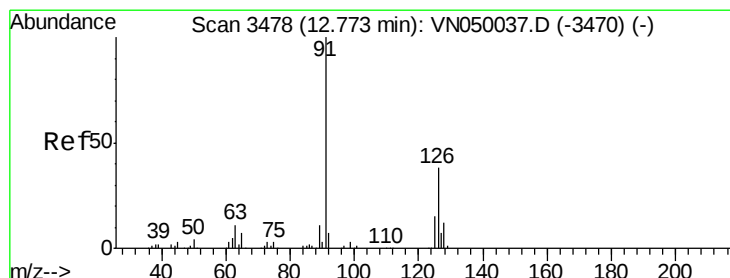
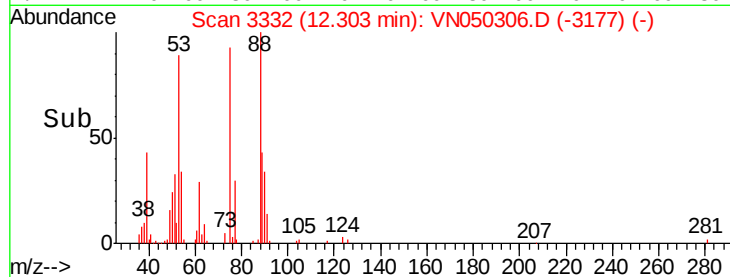
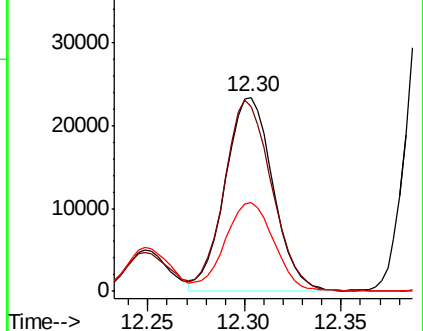
89 44.9 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 17.98 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050306.D

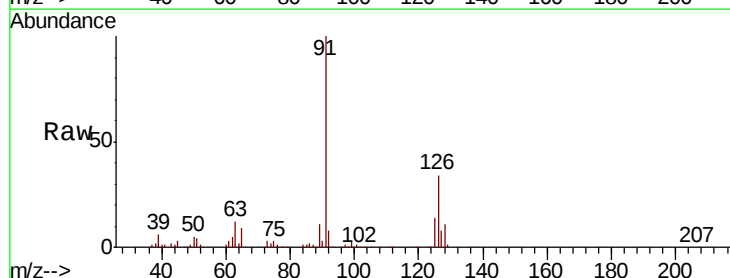
Acq: 3 Aug 2018 11:38

Tgt Ion: 91 Resp: 423168

Ion Ratio Lower Upper

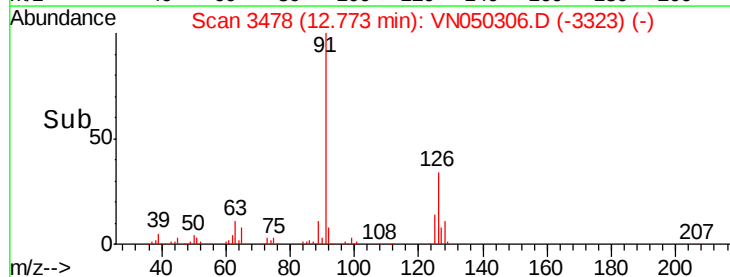
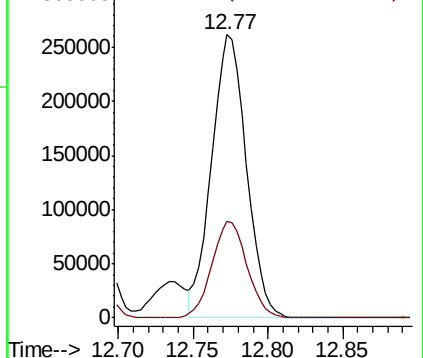
91 100

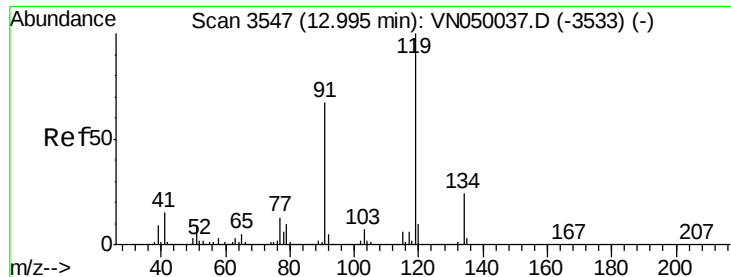
126 34.4 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

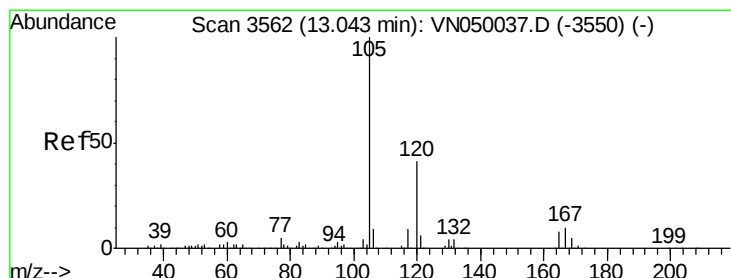
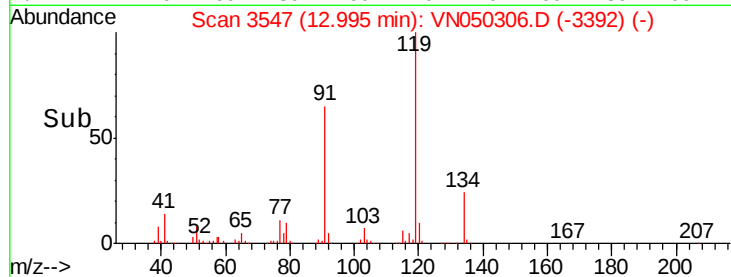
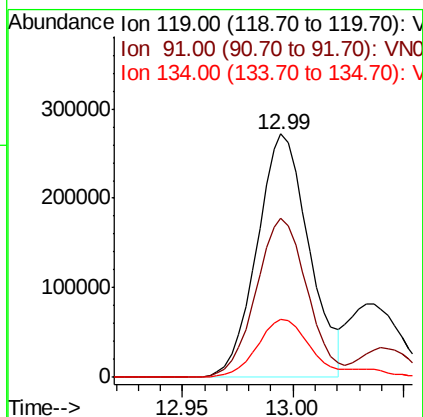
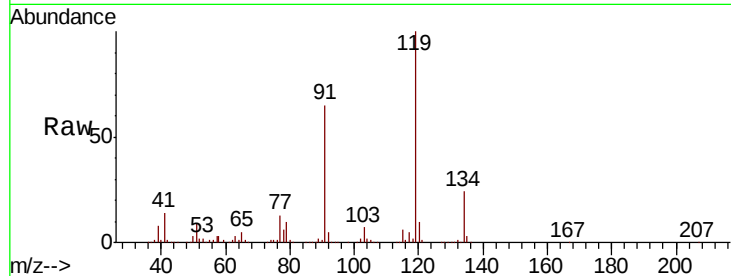




#79
tert-butylbenzene
Concen: 18.61 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

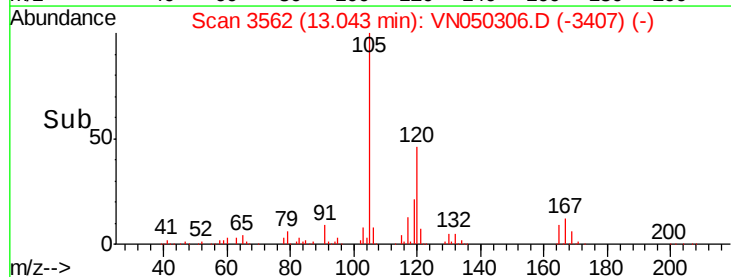
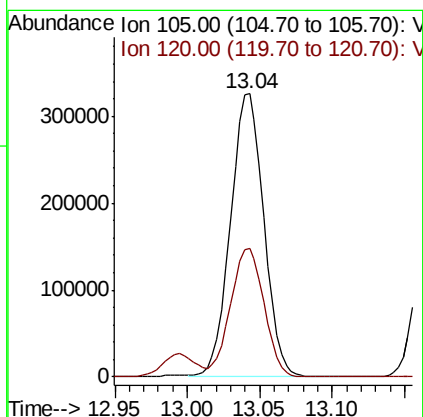
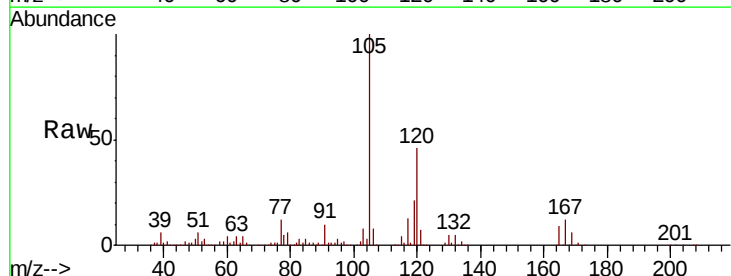
Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

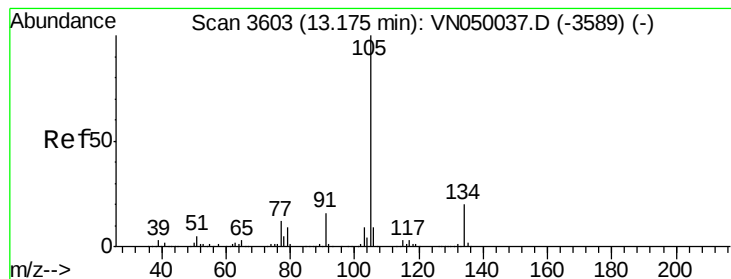
Tot Ion:119 Resp: 443617
Ion Ratio Lower Upper
119 100
91 64.4 0.0 126.8
134 24.1 0.0 47.4



#80
1,2,4-Trimethylbenzene
Concen: 18.37 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion:105 Resp: 519068
Ion Ratio Lower Upper
105 100
120 45.7 0.0 90.6





#81

sec-Butylbenzene

Concen: 18.28 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

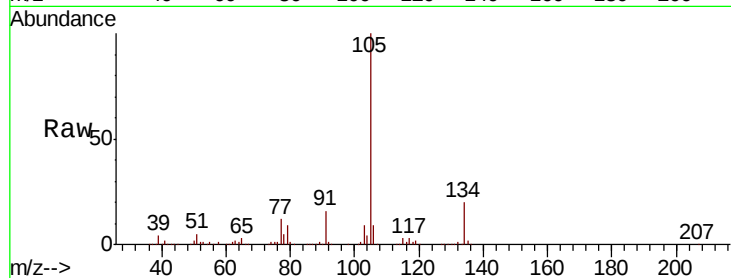
VN0803WBS01

Tot Ion:105 Resp: 592001

Ion Ratio Lower Upper

105 100

134 19.9 0.0 40.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

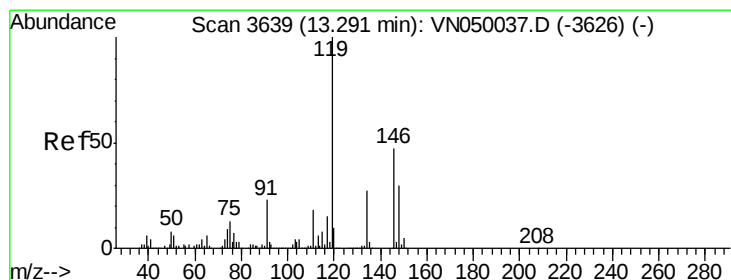
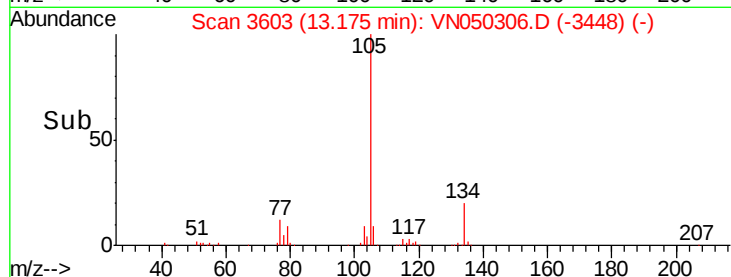
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#82

p-Isopropyltoluene

Concen: 18.09 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

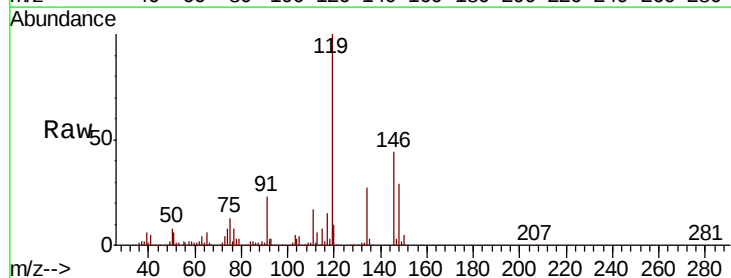
Tgt Ion:119 Resp: 499947

Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.2

91 23.3 0.0 45.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

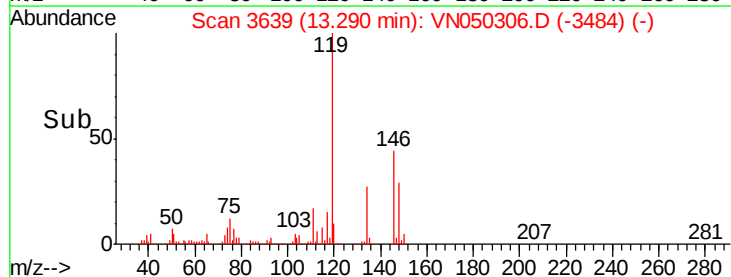
300000

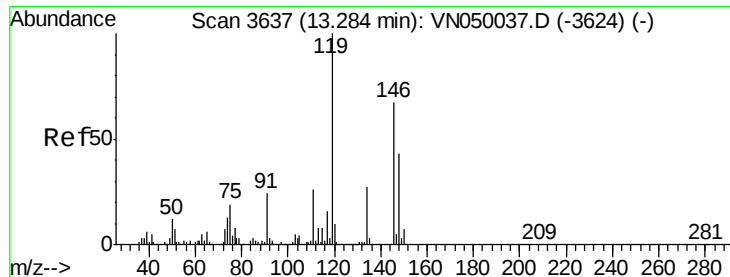
200000

100000

0

Time--> 13.20 13.25 13.30 13.35

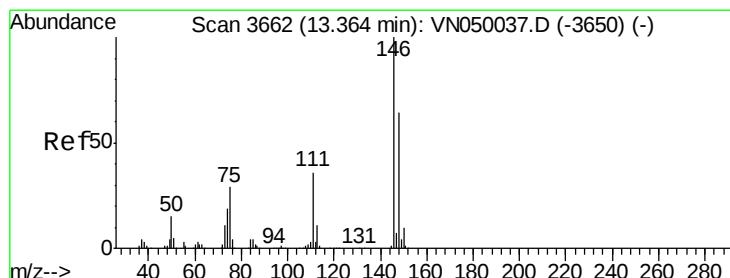
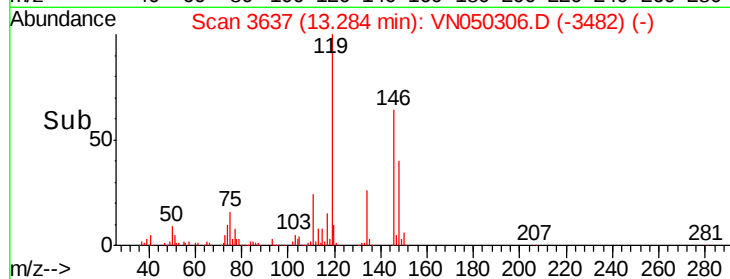
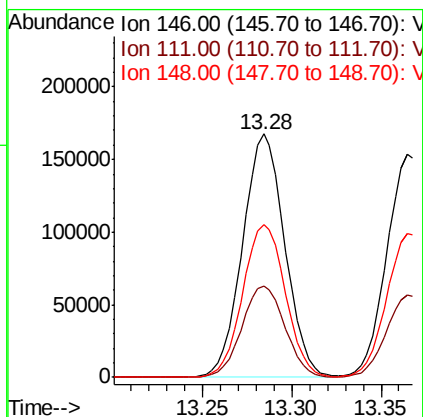
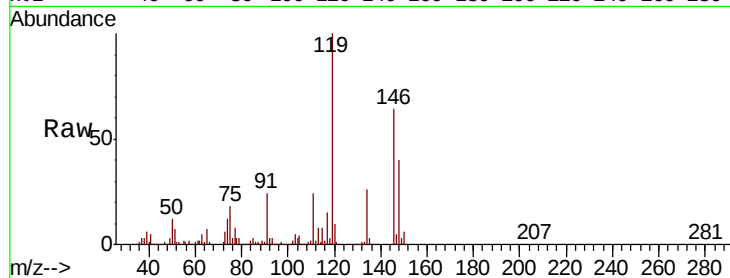




#83
 1,3-Dichlorobenzene
 Concen: 17.58 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

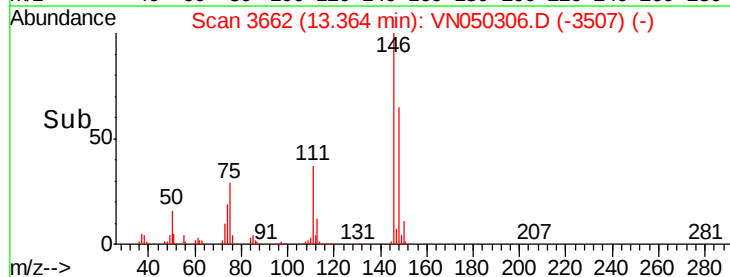
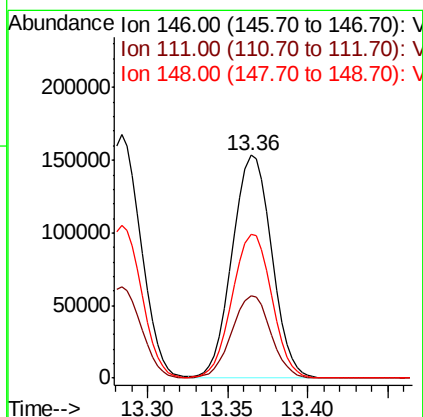
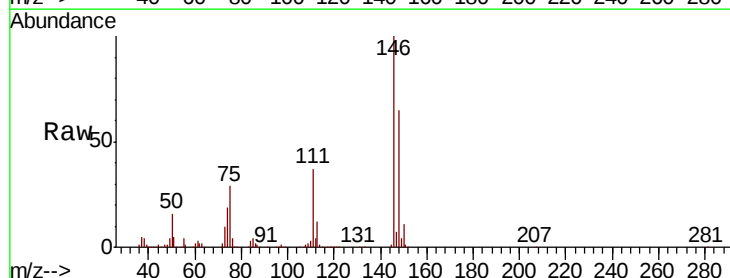
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

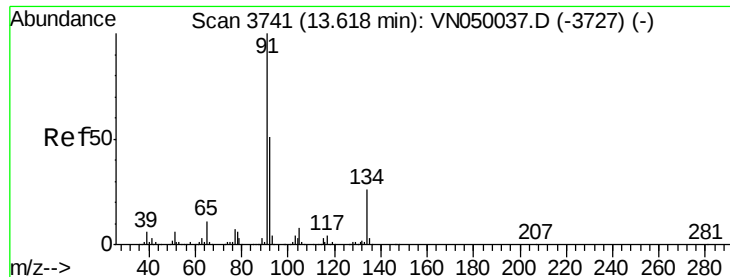
Tot Ion:146 Resp: 276808
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 63.6 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 17.41 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion:146 Resp: 259081
 Ion Ratio Lower Upper
 146 100
 111 36.4 17.9 53.8
 148 64.7 32.4 97.0

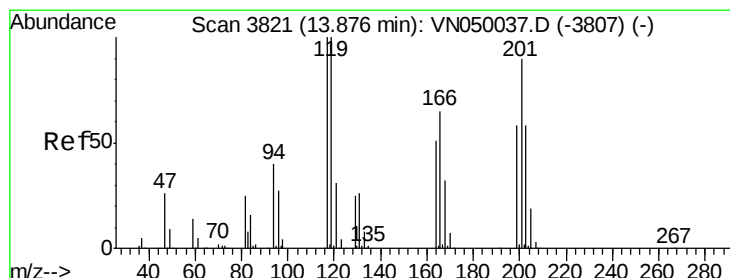
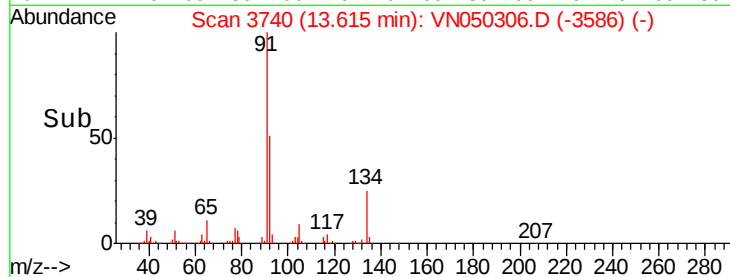
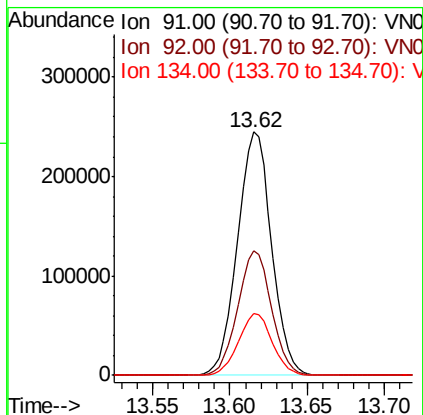
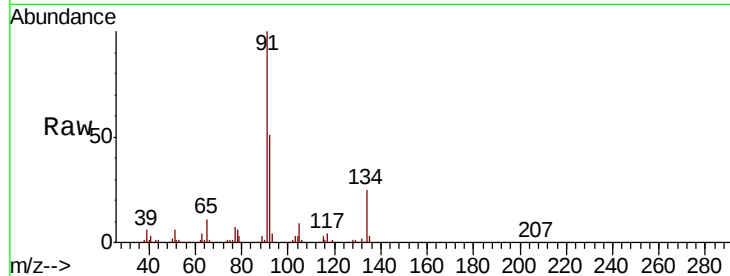




#85
n-Butylbenzene
Concen: 16.73 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

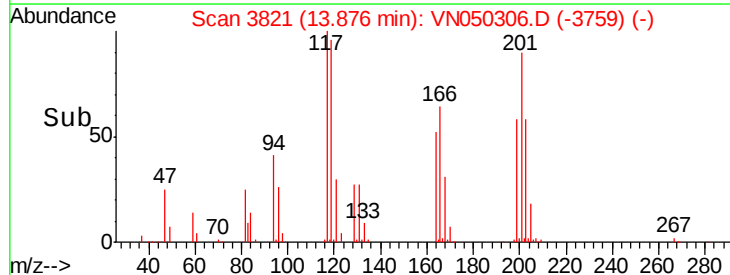
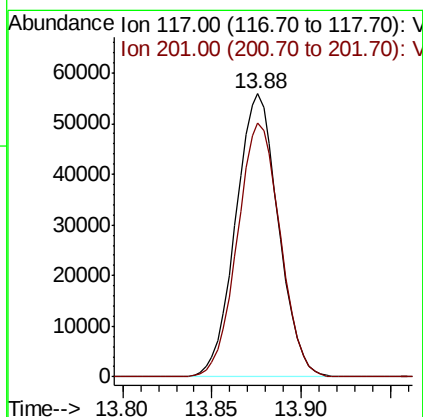
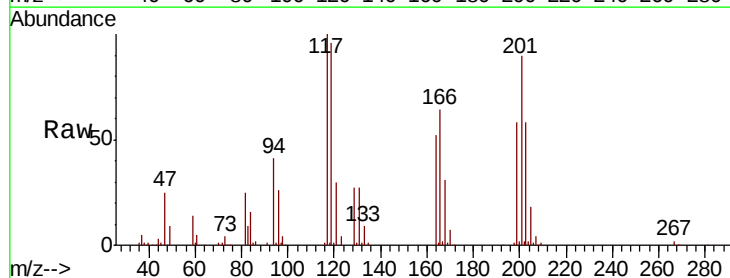
Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

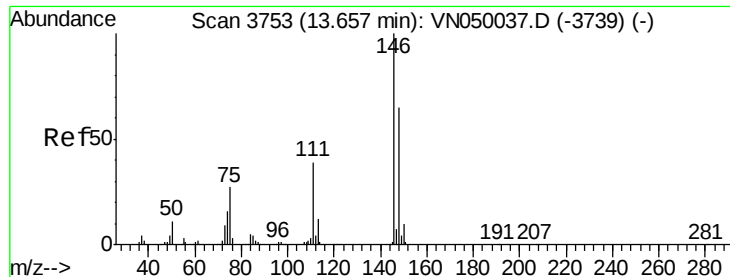
Tot Ion: 91 Resp: 375046
Ion Ratio Lower Upper
91 100
92 50.5 0.0 102.8
134 25.2 0.0 51.0



#86
Hexachloroethane
Concen: 16.93 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion: 117 Resp: 93480
Ion Ratio Lower Upper
117 100
201 90.1 46.6 139.7

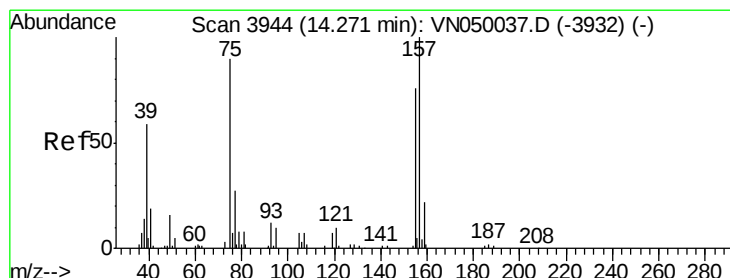
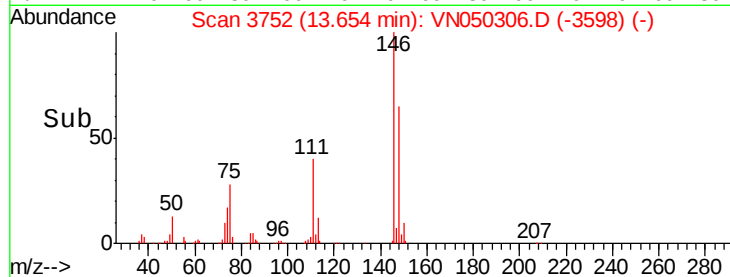
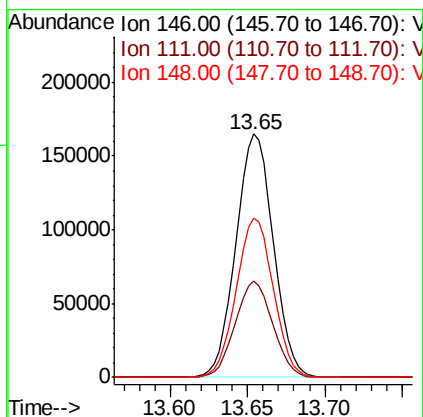
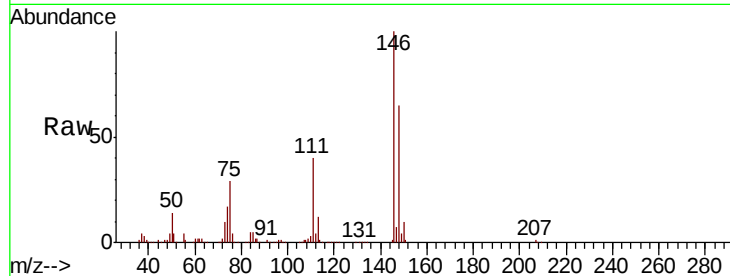




#87
 1,2-Dichlorobenzene
 Concen: 18.05 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

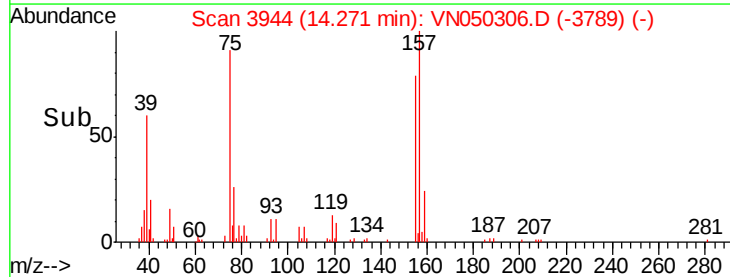
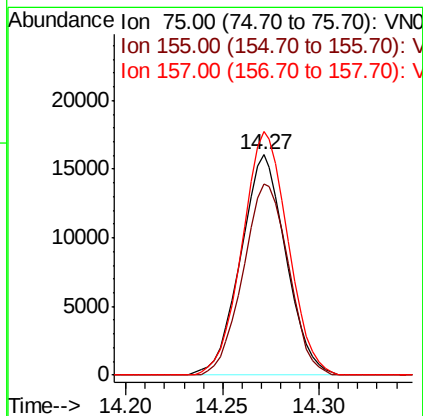
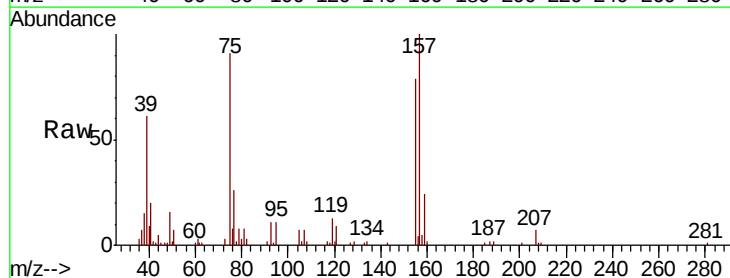
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

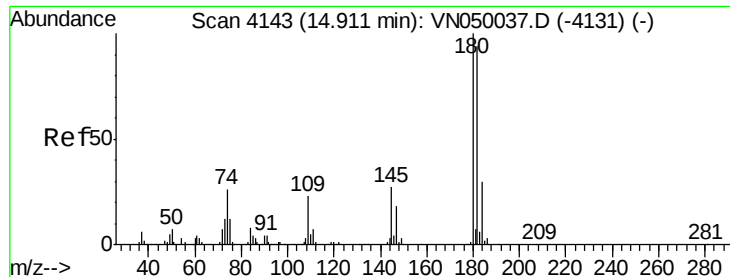
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.3
148	64.8	31.8	95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.03 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	73.0	109.6
157	111.9	94.9	142.3

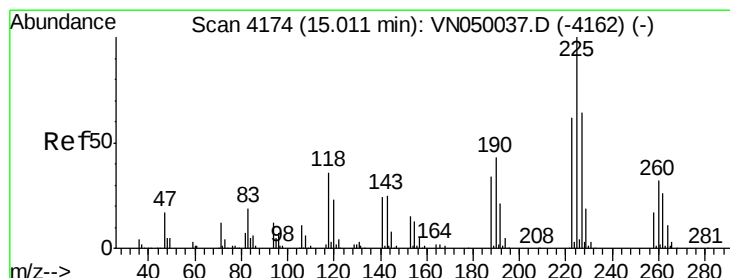
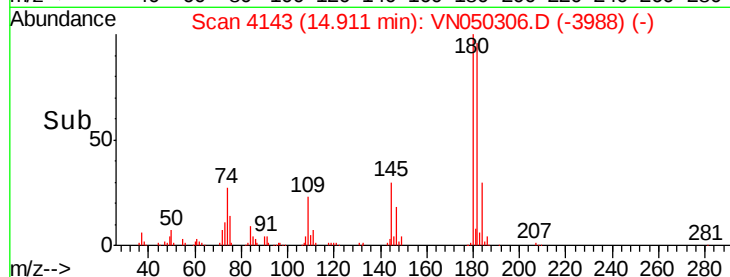
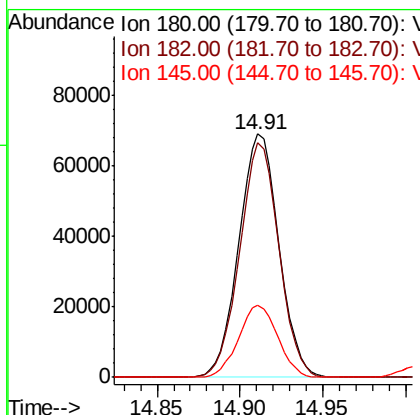
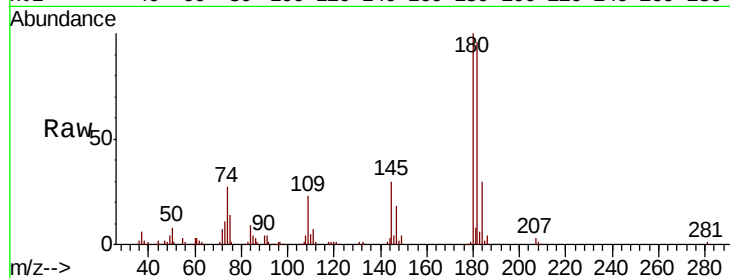




#89
 1,2,4-Trichlorobenzene
 Concen: 15.73 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

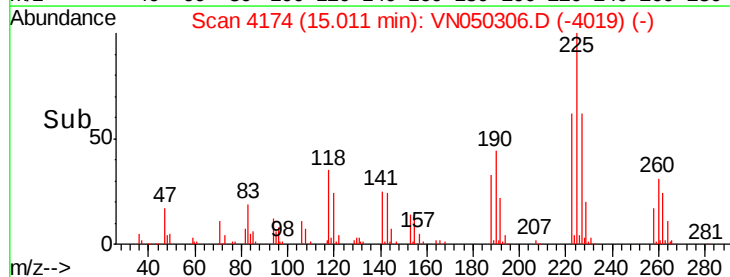
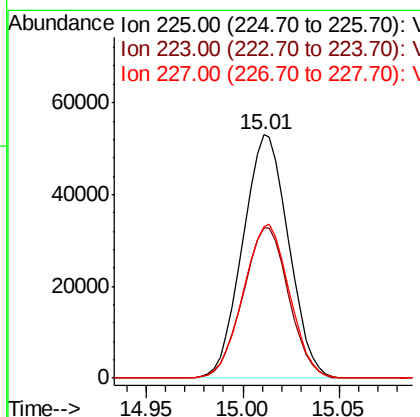
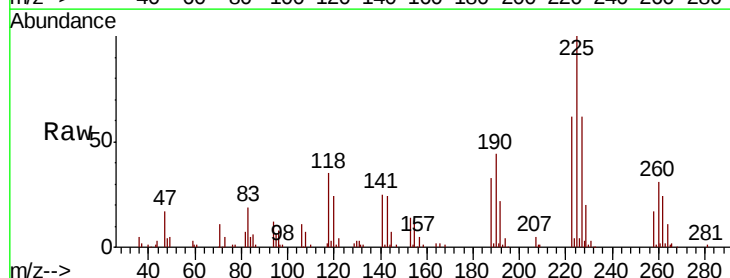
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

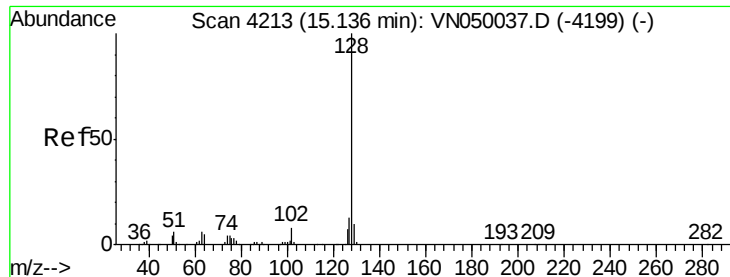
Tot Ion:180 Resp: 115659
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.7 115.1
 145 29.0 23.4 35.0



#90
 Hexachlorobutadiene
 Concen: 18.10 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion:225 Resp: 87721
 Ion Ratio Lower Upper
 225 100
 223 61.7 0.0 124.4
 227 63.4 0.0 133.0

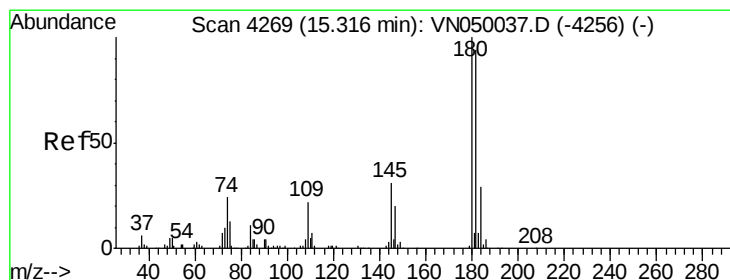
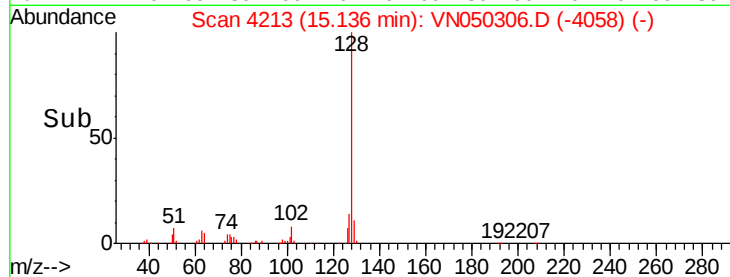
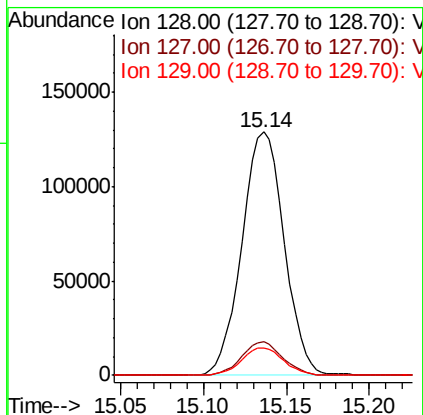
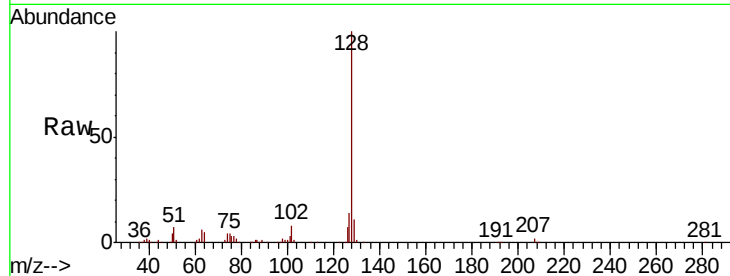




#91
Naphthalene
Concen: 17.57 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	11.2	9.0	13.4



#92
1,2,3-Trichlorobenzene
Concen: 16.51 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	0.0	188.8
145	30.3	0.0	60.8

