

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050313.D
 Acq On : 3 Aug 2018 15:23
 Operator : MD\SY
 Sample : VN0803WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

Quant Time: Aug 03 23:26:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	602067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	900382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	796201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	433263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	429803	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
35) Dibromofluoromethane	7.59	113	376841	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
50) Toluene-d8	10.09	98	1352363	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	454616	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	177376	20.50	ug/l	99
3) Chloromethane	2.06	50	162463	17.28	ug/l	100
4) Vinyl Chloride	2.18	62	183199	18.50	ug/l	97
5) Bromomethane	2.56	94	68904	11.76	ug/l	97
6) Chloroethane	2.70	64	107400	18.06	ug/l	95
7) Trichlorofluoromethane	3.01	101	254537	19.84	ug/l	100
8) Diethyl Ether	3.41	74	90653	21.20	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	161468	20.93	ug/l	99
10) Methyl Iodide	3.95	142	71919	7.26	ug/l	99
11) Tert butyl alcohol	4.80	59	79741	129.02	ug/l	99
12) 1,1-Dichloroethene	3.73	96	135181	19.48	ug/l	95
13) Acrolein	3.61	56	79830	160.76	ug/l	99
14) Allyl chloride	4.32	41	216371	20.11	ug/l	96
15) Acrylonitrile	4.99	53	308966	114.58	ug/l	99
16) Acetone	3.82	43	288973	144.21	ug/l	99
17) Carbon Disulfide	4.05	76	380933	17.92	ug/l	100
18) Methyl Acetate	4.33	43	257921	32.96	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	411239	22.24	ug/l	99
20) Methylene Chloride	4.55	84	162567	21.10	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	144729	19.68	ug/l	97
22) Diisopropyl ether	5.96	45	476799	22.35	ug/l	98
23) Vinyl Acetate	5.90	43	1588919	105.39	ug/l	99
24) 1,1-Dichloroethane	5.85	63	288324	20.67	ug/l	99
25) 2-Butanone	6.84	43	386076	120.50	ug/l	100
26) 2,2-Dichloropropane	6.83	77	232609	21.92	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	165442	20.90	ug/l	99
28) Bromochloromethane	7.20	49	129091	20.29	ug/l	99
29) Tetrahydrofuran	7.22	42	248551	120.05	ug/l	100
30) Chloroform	7.37	83	297476	20.90	ug/l	99
31) Cyclohexane	7.65	56	222227	19.17	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	249487	20.49	ug/l	99
36) 1,1-Dichloropropene	7.79	75	205281	20.24	ug/l	99
37) Ethyl Acetate	6.93	43	156680	22.15	ug/l	99
38) Carbon Tetrachloride	7.78	117	213598	19.84	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	198818	19.05	ug/l	97
40) Benzene	8.04	78	641383	20.78	ug/l	99
41) Methacrylonitrile	7.18	41	79199	23.07	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	218664	21.23	ug/l	100
43) Isopropyl Acetate	8.17	43	418469	30.96	ug/l #	89
44) Trichloroethene	8.83	130	170799	20.59	ug/l	99
45) 1,2-Dichloropropane	9.12	63	173178	21.18	ug/l	100
46) Dibromomethane	9.21	93	108194	21.31	ug/l	99
47) Bromodichloromethane	9.40	83	223150	20.83	ug/l	99
48) Methyl methacrylate	9.20	41	141469	23.23	ug/l	99
49) 1,4-Dioxane	9.20	88	40609	489.90	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	856139	123.14	ug/l	99
52) Toluene	10.16	92	384497	21.10	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	214109	21.18	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	243644	21.09	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	158172	21.89	ug/l	98
56) Ethyl methacrylate	10.43	69	197552	21.39	ug/l	98
57) 1,3-Dichloropropane	10.71	76	256675	21.81	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	429536	99.23	ug/l	98
59) 2-Hexanone	10.75	43	593220	118.89	ug/l	98
60) Dibromochloromethane	10.90	129	170563	21.32	ug/l	99
61) 1,2-Dibromoethane	11.01	107	153734	21.44	ug/l	100
64) Tetrachloroethene	10.63	164	173146	22.62	ug/l	98
65) Chlorobenzene	11.44	112	422275	21.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	164885	21.34	ug/l	100
67) Ethyl Benzene	11.51	91	686615	21.25	ug/l	100
68) m/p-Xylenes	11.62	106	544643	44.57	ug/l	100
69) o-Xylene	11.95	106	255690	21.95	ug/l	100
70) Styrene	11.97	104	425008	21.06	ug/l	100
71) Bromoform	12.13	173	121851	21.68	ug/l #	100
73) Isopropylbenzene	12.25	105	688511	20.49	ug/l	100
74) N-amyl acetate	12.07	43	247009	24.05	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	222645	23.88	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	256313	31.83	ug/l #	100
77) Bromobenzene	12.53	156	186968	20.08	ug/l	97
78) n-propylbenzene	12.59	91	804676	21.42	ug/l	100
79) 2-Chlorotoluene	12.68	91	489532	21.03	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	591212	22.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51870	20.43	ug/l	98
82) 4-Chlorotoluene	12.77	91	503506	21.84	ug/l	99
83) tert-Butylbenzene	12.99	119	500067	21.68	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	605545	22.73	ug/l	100
85) sec-Butylbenzene	13.17	105	661418	21.46	ug/l	100
86) p-Isopropyltoluene	13.29	119	572518	22.05	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334778	21.21	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	330375	21.47	ug/l	99
89) n-Butylbenzene	13.62	91	471698	22.09	ug/l	99
90) Hexachloroethane	13.88	117	77162	13.38	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	334090	21.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37522	24.65	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

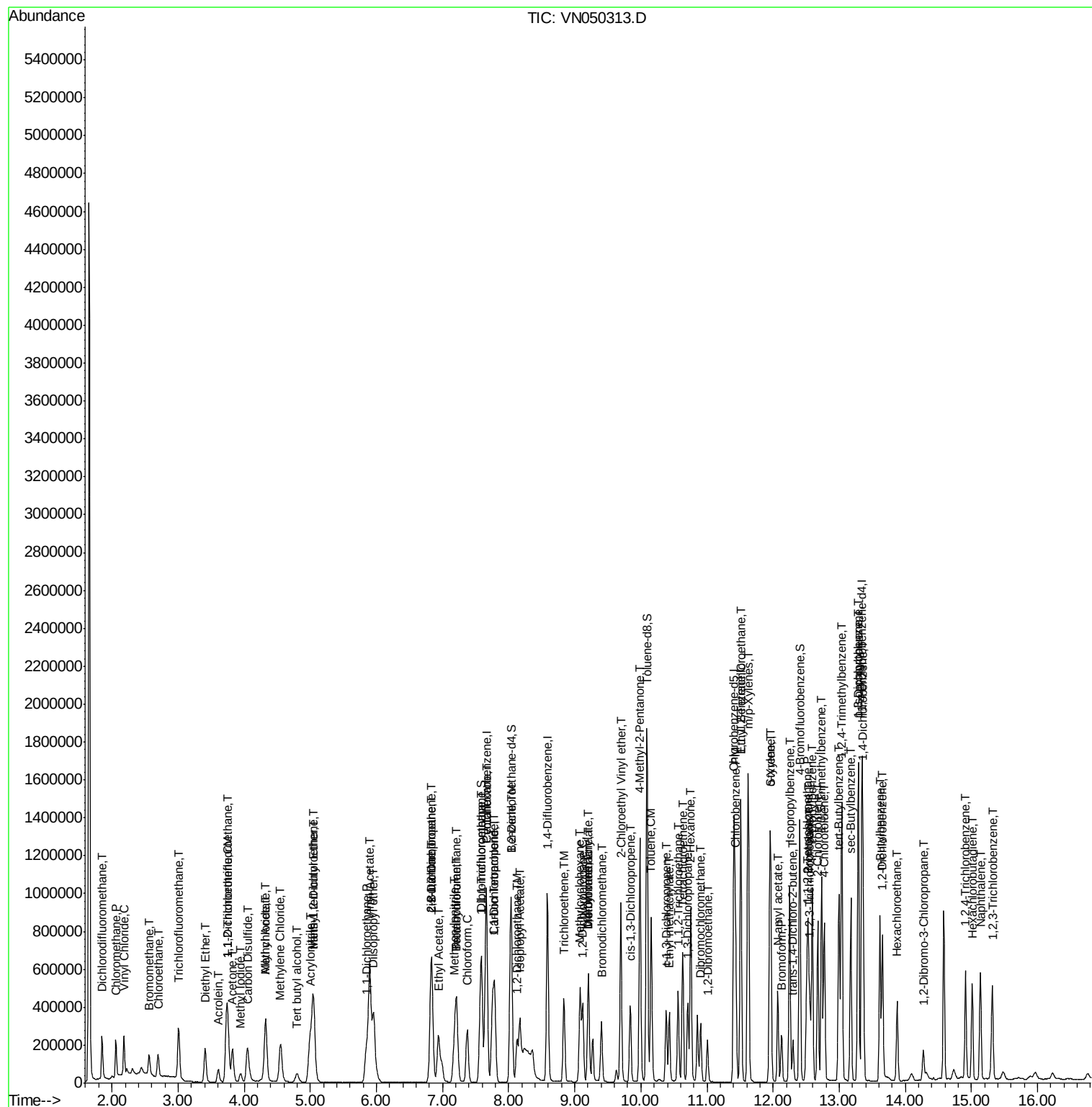
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	188447	24.21	ug/l	98
94) Hexachlorobutadiene	15.01	225	106142	21.97	ug/l	99
95) Naphthalene	15.14	128	491752	27.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	188480	24.31	ug/l	99

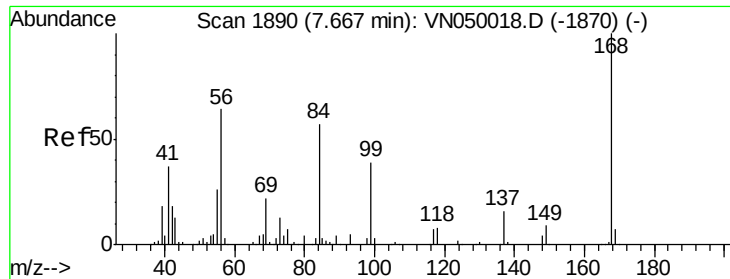
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

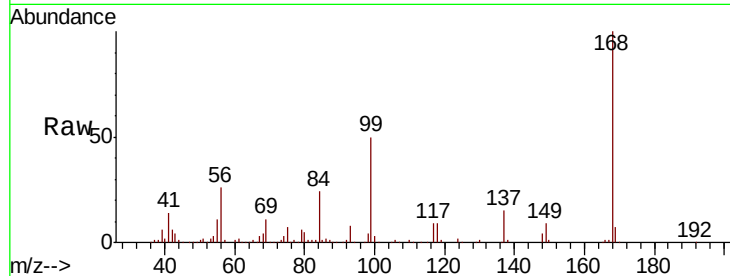
VN0803WBS02

Tot Ion:168 Resp: 602067

Ion Ratio Lower Upper

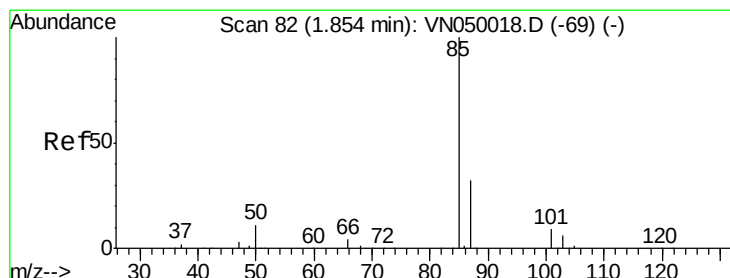
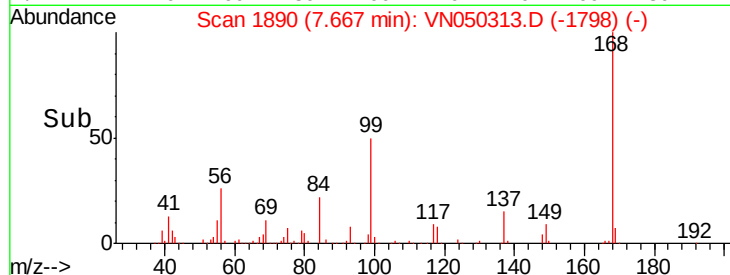
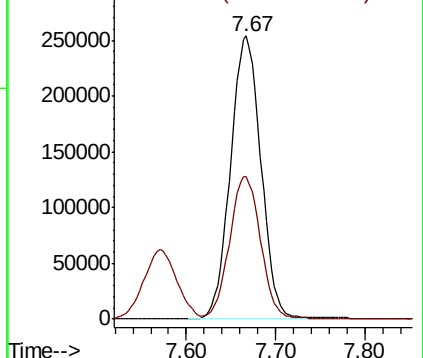
168 100

99 50.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.50 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050313.D

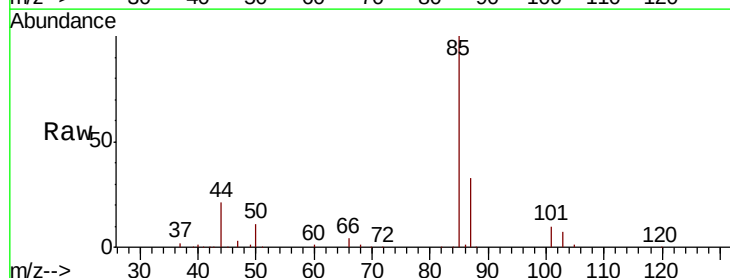
Acq: 3 Aug 2018 15:23

Tgt Ion: 85 Resp: 177376

Ion Ratio Lower Upper

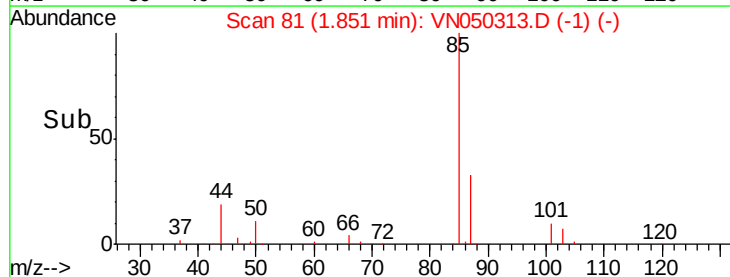
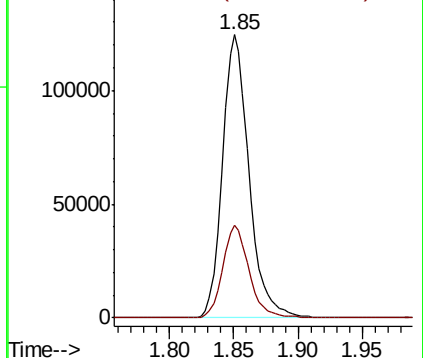
85 100

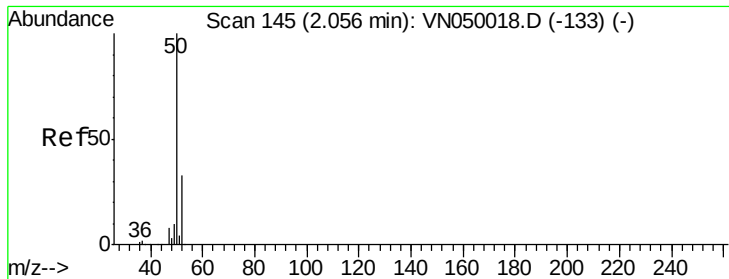
87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 17.28 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

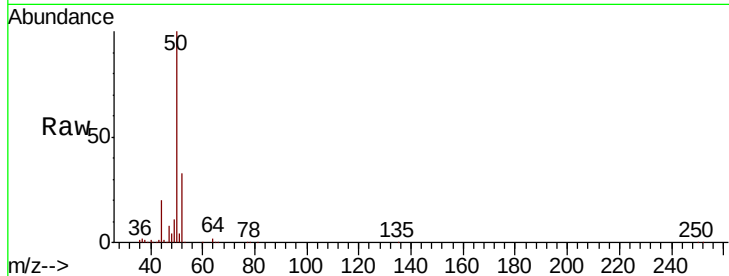
VN0803WBS02

Tot Ion: 50 Resp: 162463

Ion Ratio Lower Upper

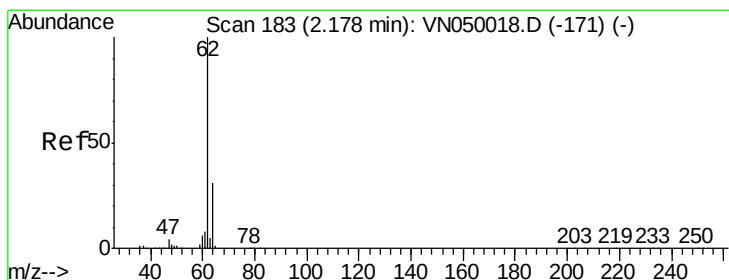
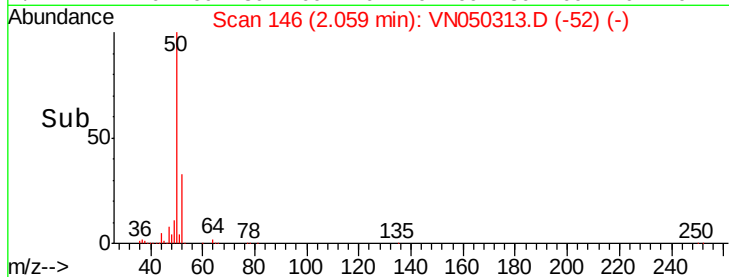
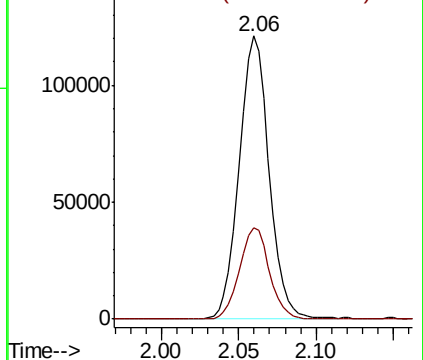
50 100

52 32.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.50 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050313.D

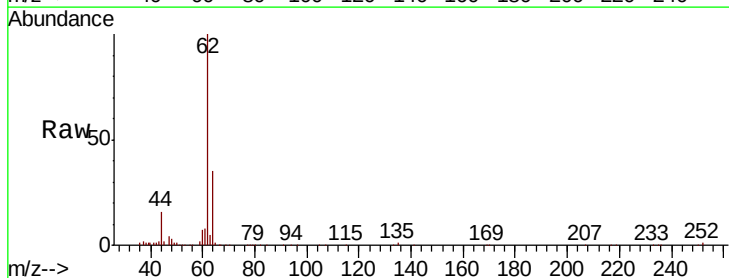
Acq: 3 Aug 2018 15:23

Tgt Ion: 62 Resp: 183199

Ion Ratio Lower Upper

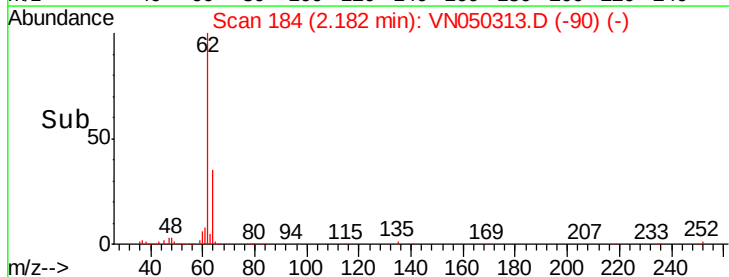
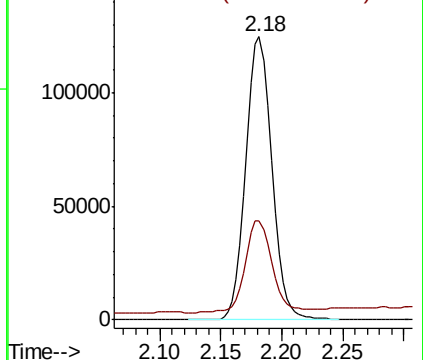
62 100

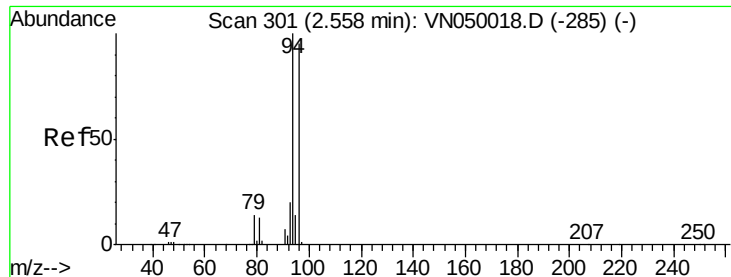
64 32.5 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 11.76 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

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ClientSampleId :

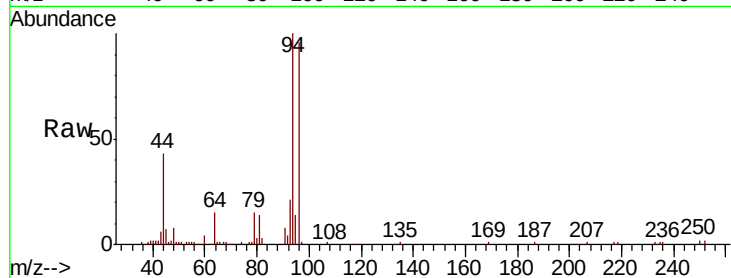
VN0803WBS02

Tot Ion: 94 Resp: 68904

Ion Ratio Lower Upper

94 100

96 96.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

40000

30000

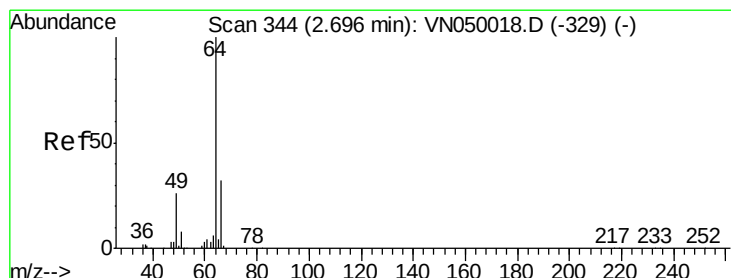
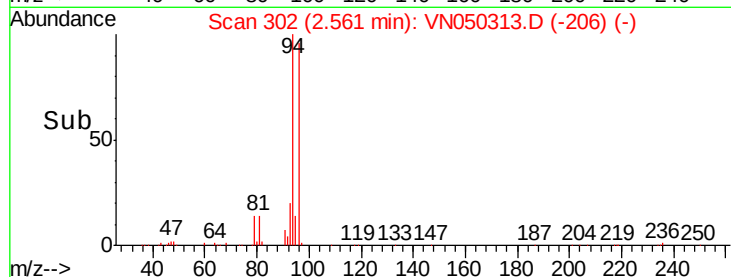
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.06 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050313.D

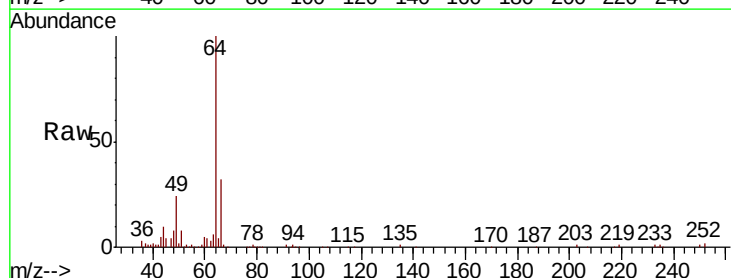
Acq: 3 Aug 2018 15:23

Tgt Ion: 64 Resp: 107400

Ion Ratio Lower Upper

64 100

66 34.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

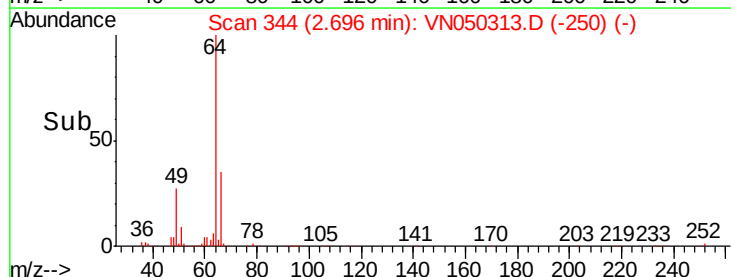
40000

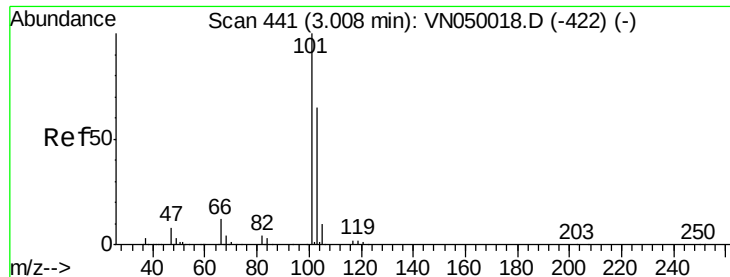
20000

0

Time-->

2.60 2.65 2.70 2.75 2.80



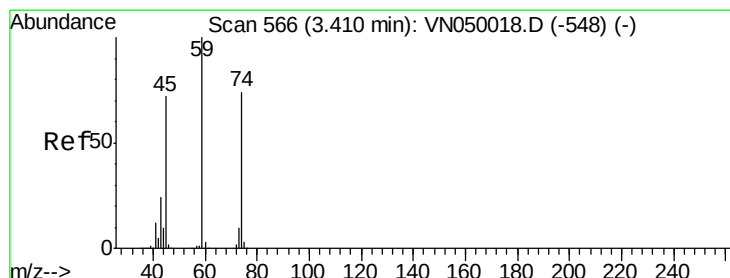
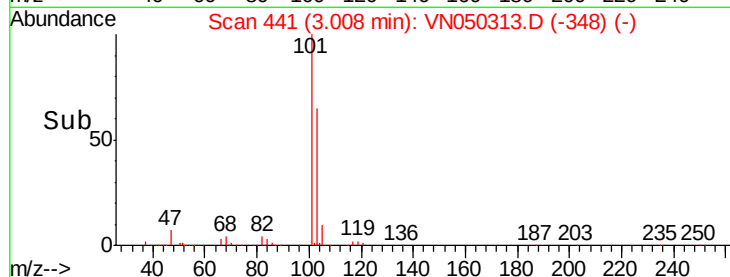
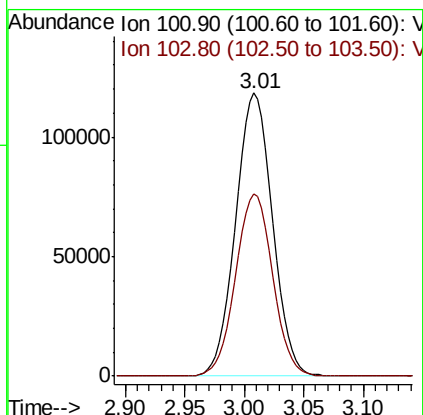
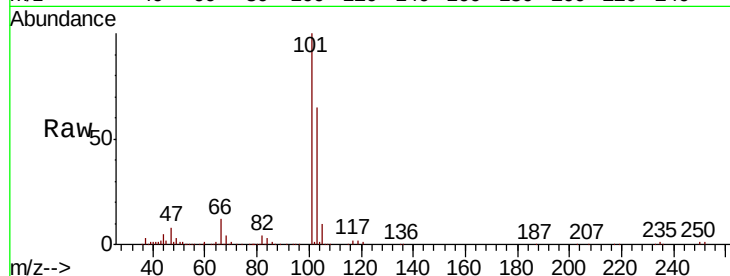


#7

Trichlorofluoromethane
 Concen: 19.84 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

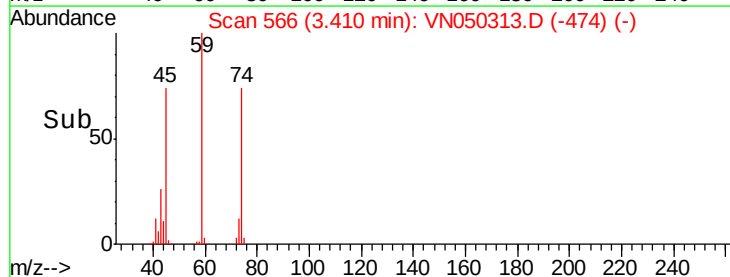
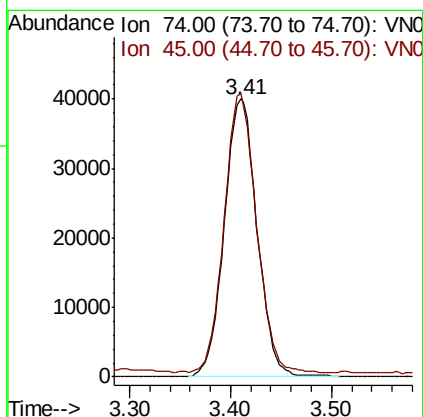
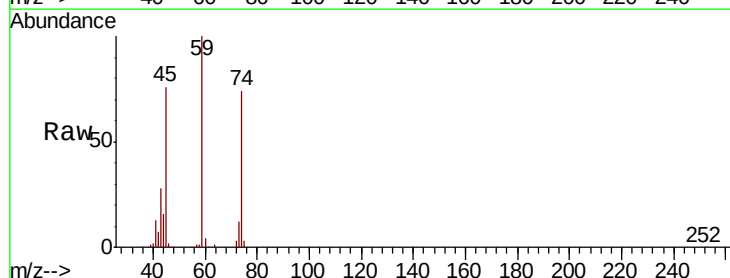
Tot Ion:101 Resp: 254537
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.7 77.5

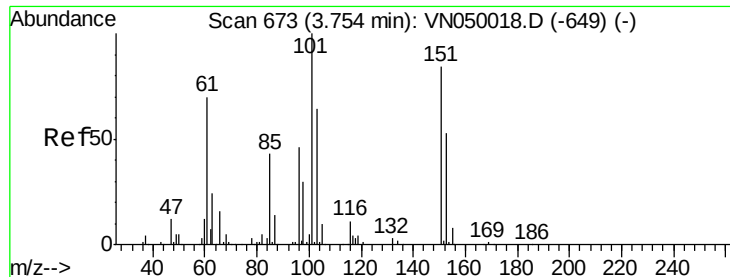


#8

Diethyl Ether
 Concen: 21.20 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion: 74 Resp: 90653
 Ion Ratio Lower Upper
 74 100
 45 98.6 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.93 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

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VN0803WBS02

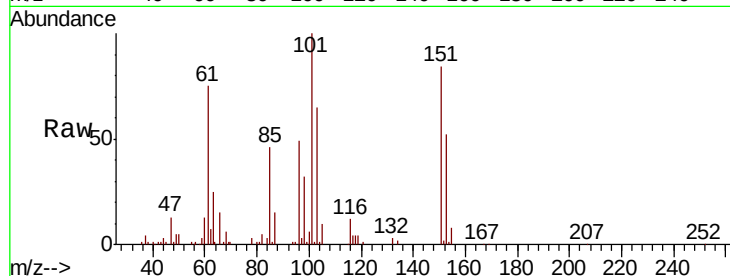
Tot Ion:101 Resp: 161468

Ion Ratio Lower Upper

101 100

85 43.9 34.2 51.2

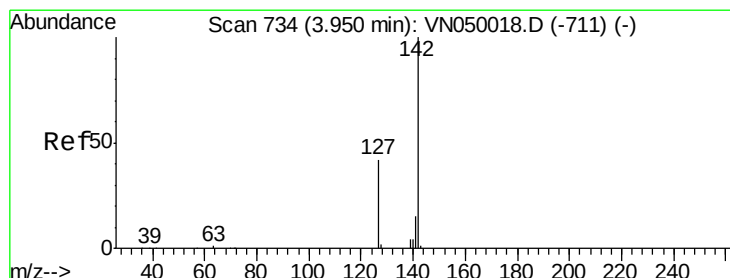
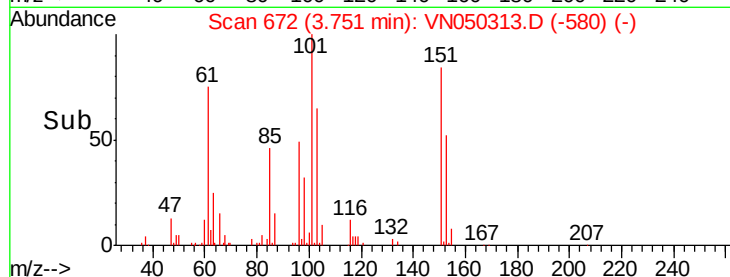
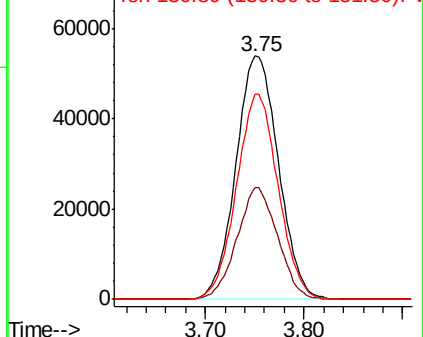
151 82.5 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 7.26 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

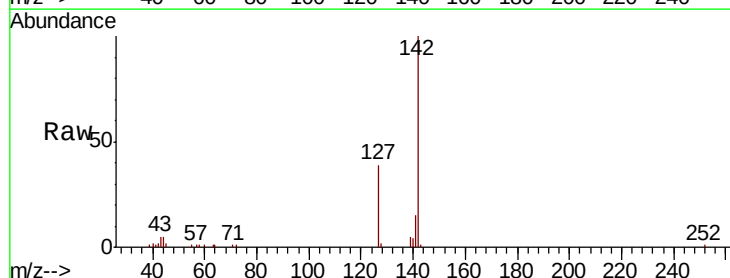
Tgt Ion:142 Resp: 71919

Ion Ratio Lower Upper

142 100

127 41.4 33.4 50.2

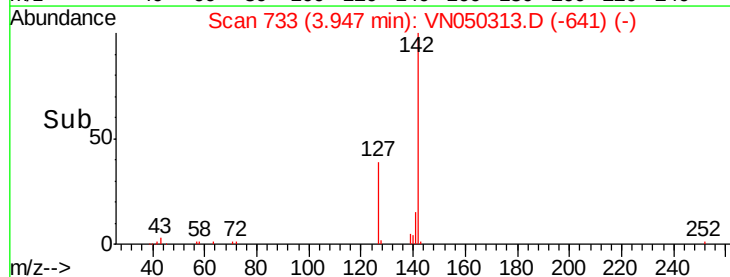
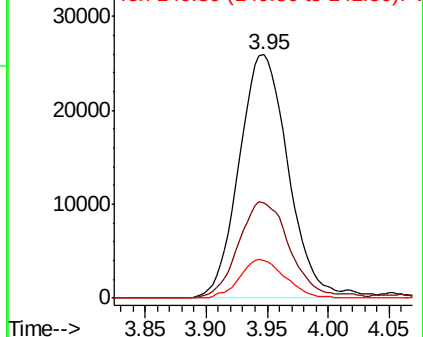
141 14.8 11.6 17.4

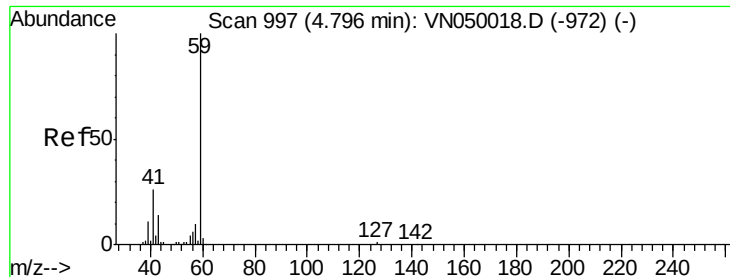


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



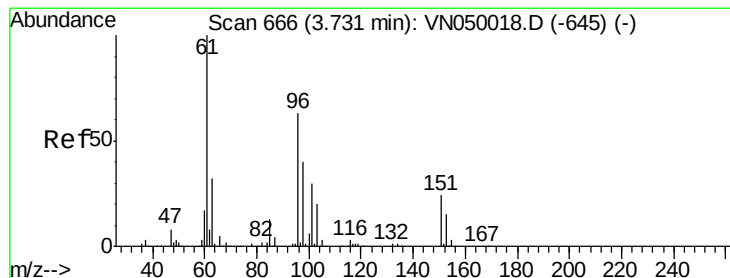
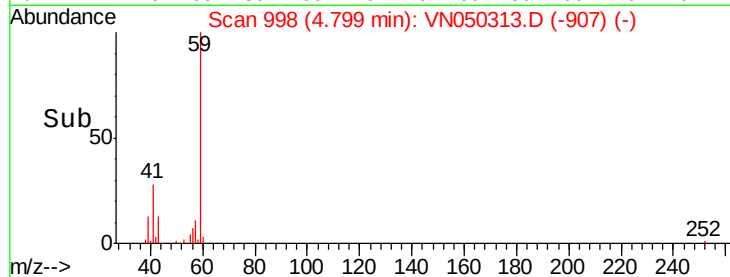
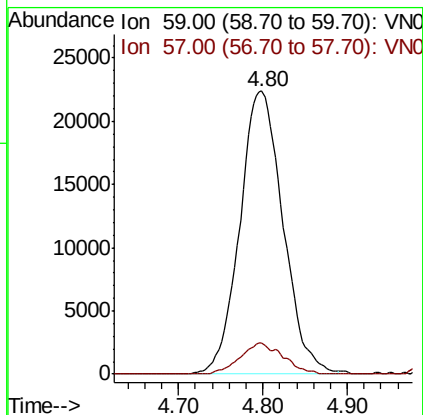
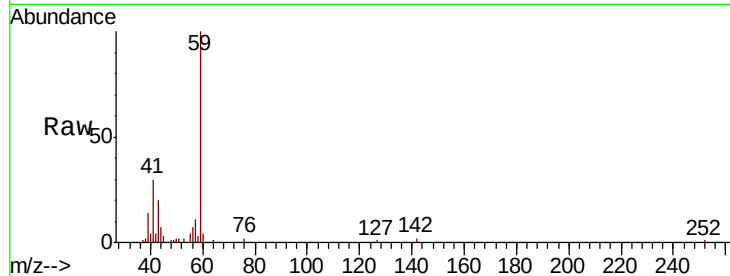


#11

Tert butyl alcohol
 Concen: 129.02 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

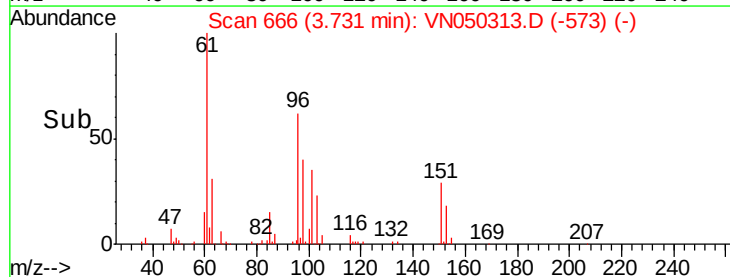
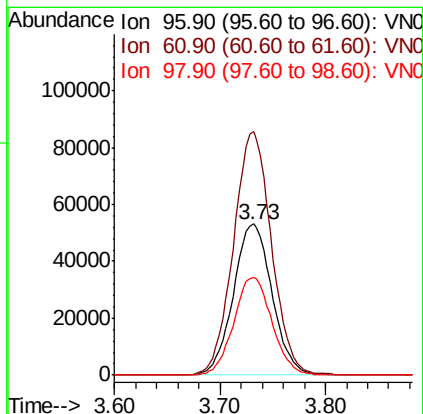
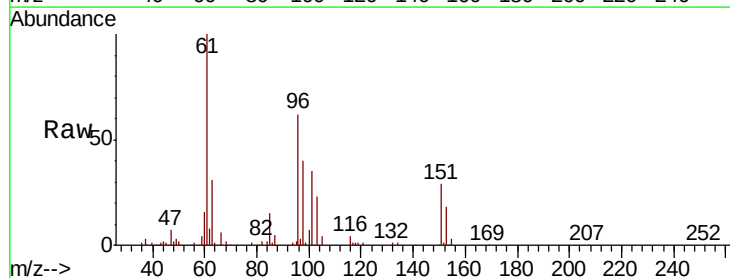
Tot Ion: 59 Resp: 79741
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.5 12.7

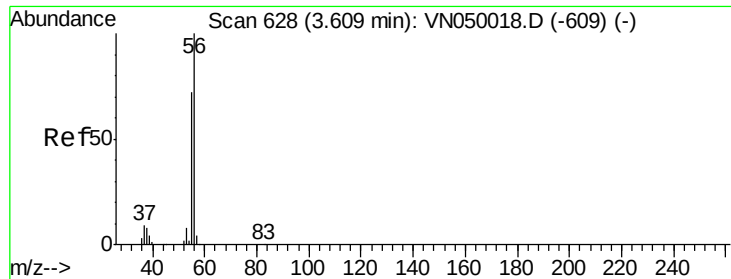


#12

1,1-Dichloroethene
 Concen: 19.48 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion: 96 Resp: 135181
 Ion Ratio Lower Upper
 96 100
 61 161.3 124.4 186.6
 98 65.0 48.3 72.5





#13

Acrolein

Concen: 160.76 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

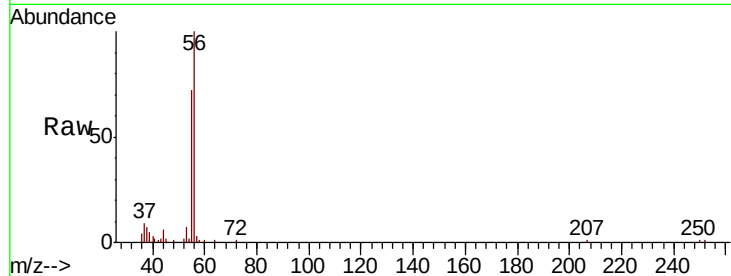
VN0803WBS02

Tot Ion: 56 Resp: 79830

Ion Ratio Lower Upper

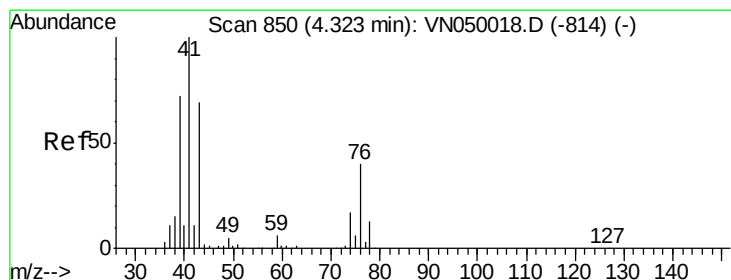
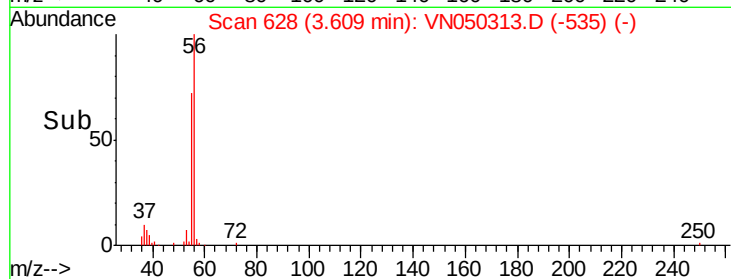
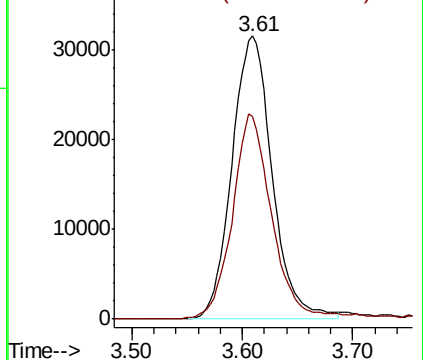
56 100

55 70.6 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 20.11 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

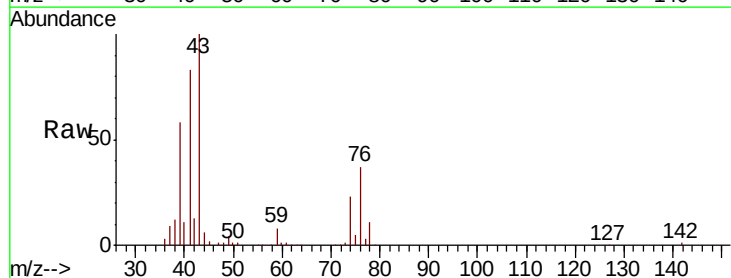
Tgt Ion: 41 Resp: 216371

Ion Ratio Lower Upper

41 100

39 64.6 54.2 81.4

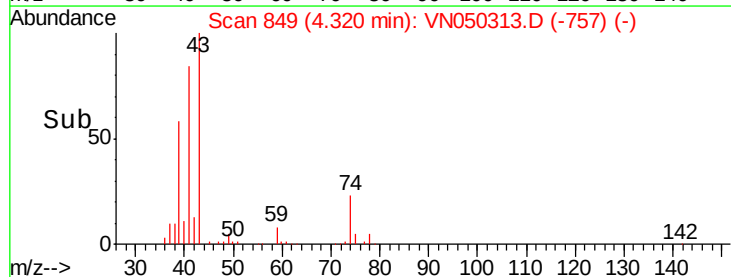
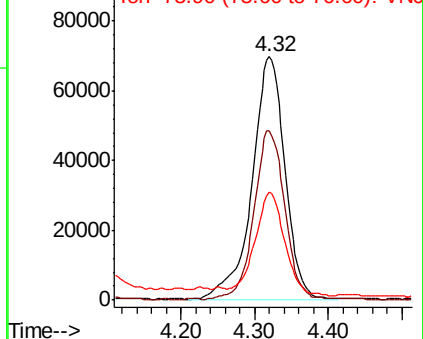
76 38.6 29.0 43.6

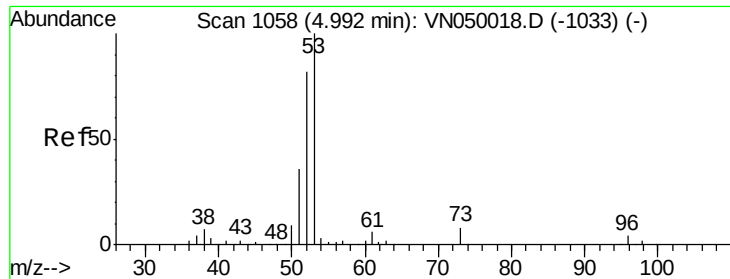


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 114.58 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

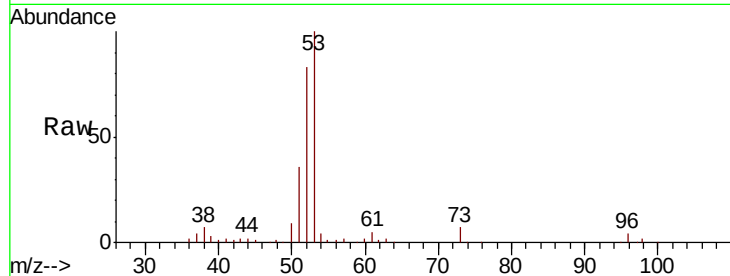
Tot Ion: 53 Resp: 308966

Ion Ratio Lower Upper

53 100

52 81.9 66.2 99.2

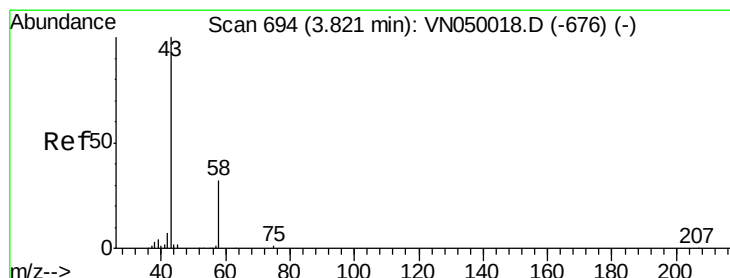
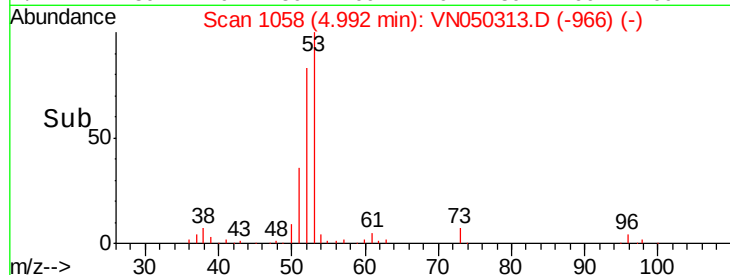
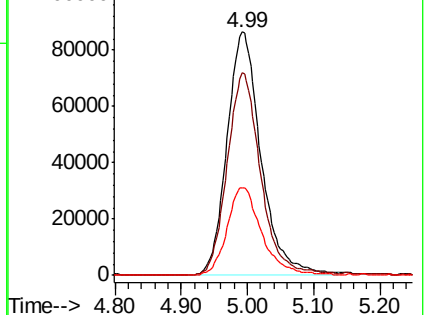
51 36.7 29.3 43.9



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



#16

Acetone

Concen: 144.21 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050313.D

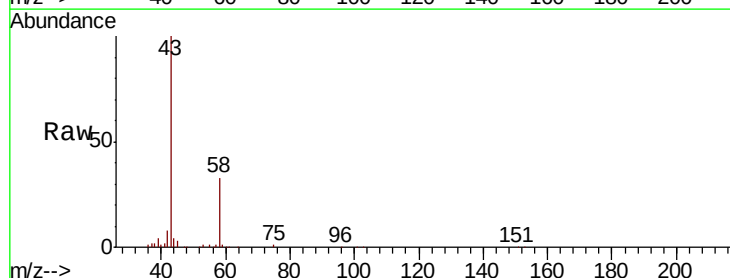
Acq: 3 Aug 2018 15:23

Tgt Ion: 43 Resp: 288973

Ion Ratio Lower Upper

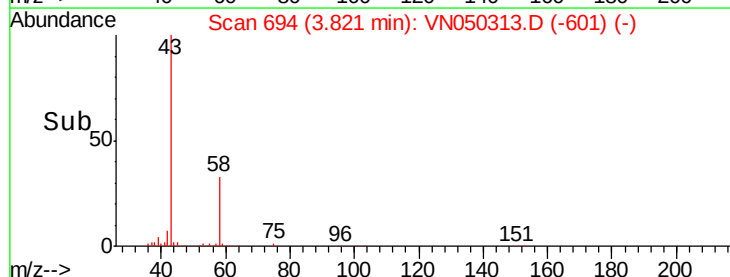
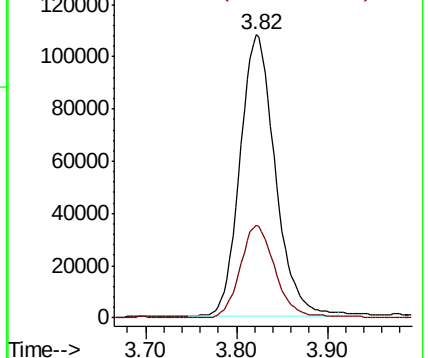
43 100

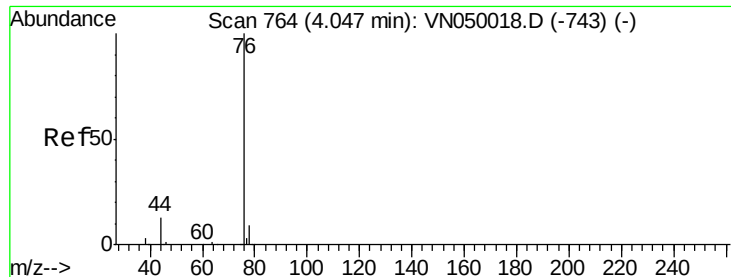
58 32.8 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.92 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

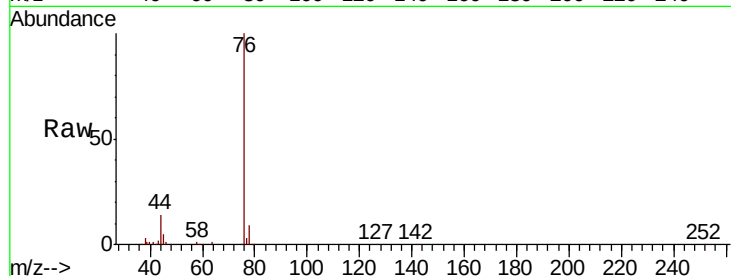
VN0803WBS02

Tot Ion: 76 Resp: 380933

Ion Ratio Lower Upper

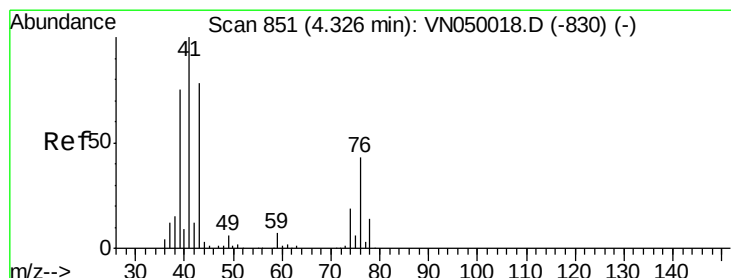
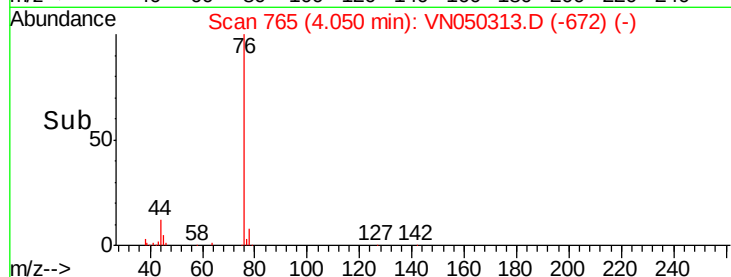
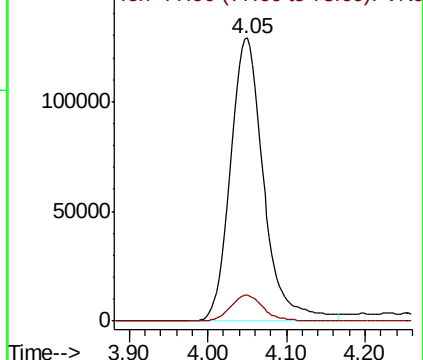
76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 32.96 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.01 min

Lab File: VN050313.D

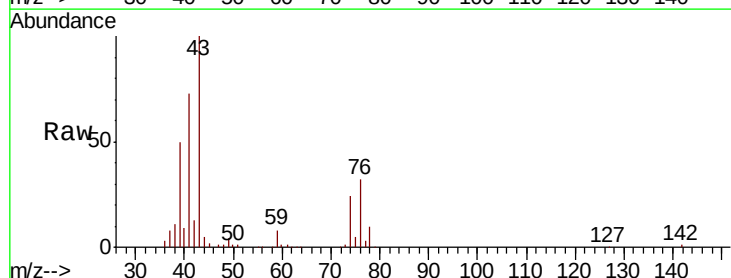
Acq: 3 Aug 2018 15:23

Tgt Ion: 43 Resp: 257921

Ion Ratio Lower Upper

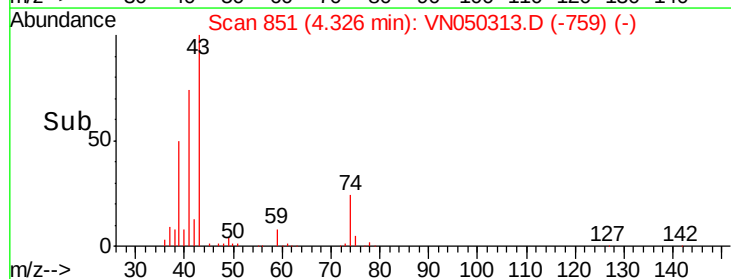
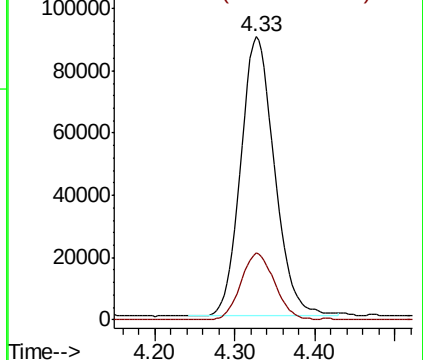
43 100

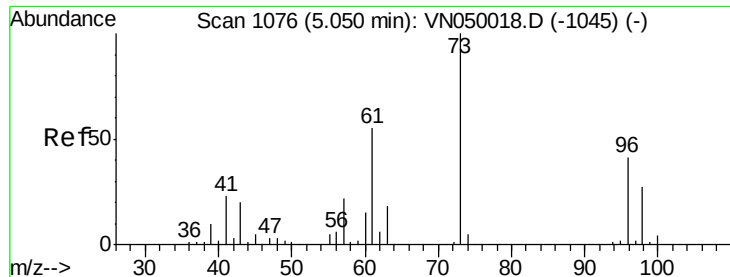
74 23.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

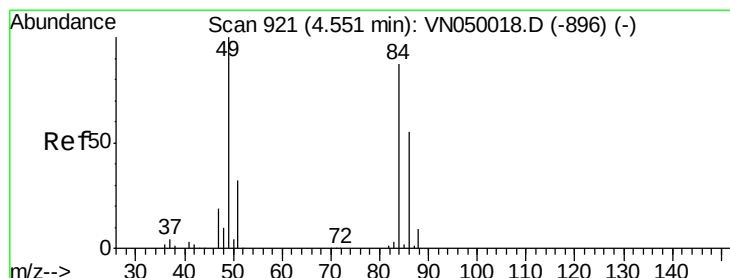
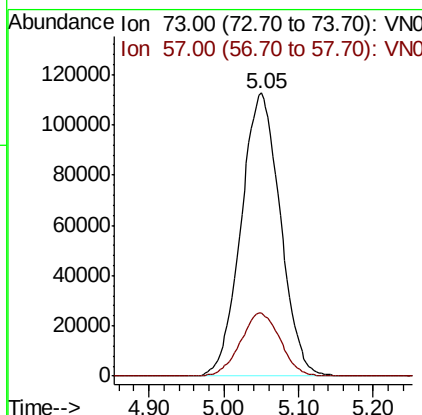
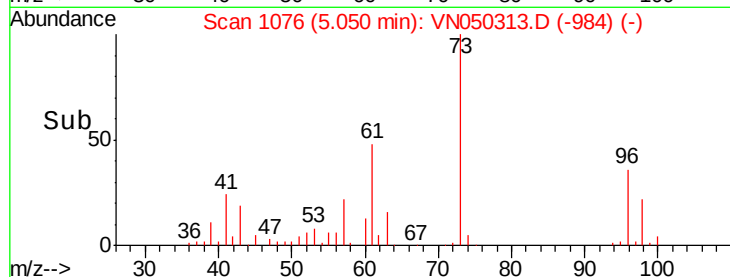
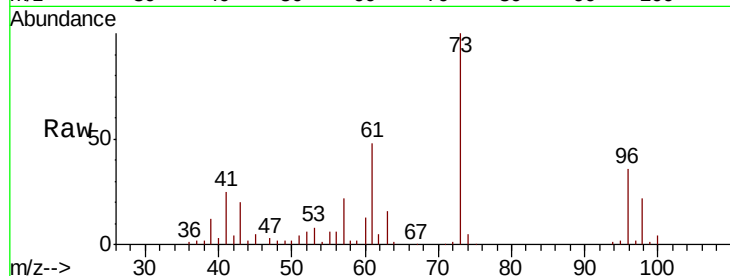




#19
Methyl tert-butyl Ether
Concen: 22.24 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

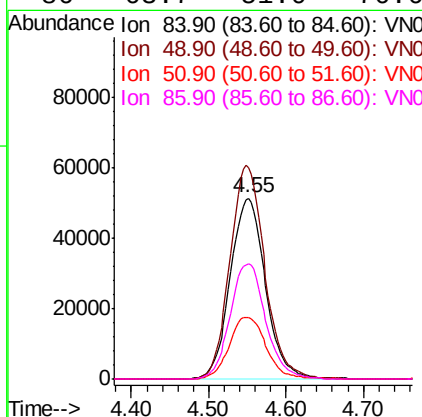
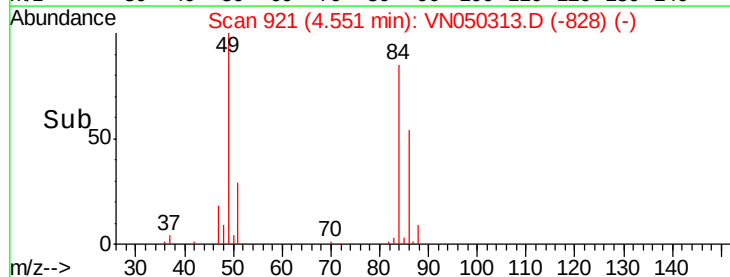
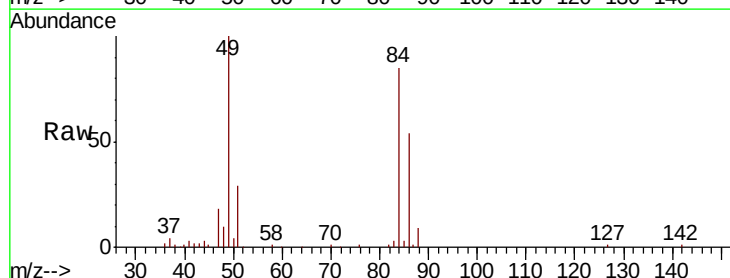
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

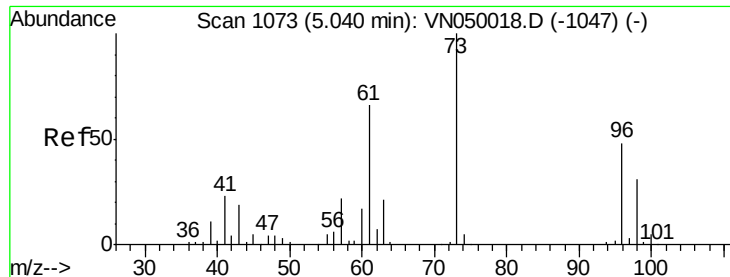
Tot Ion: 73 Resp: 411239
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0



#20
Methylene Chloride
Concen: 21.10 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion: 84 Resp: 162567
Ion Ratio Lower Upper
84 100
49 117.1 94.8 142.2
51 33.9 28.3 42.5
86 63.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.68 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

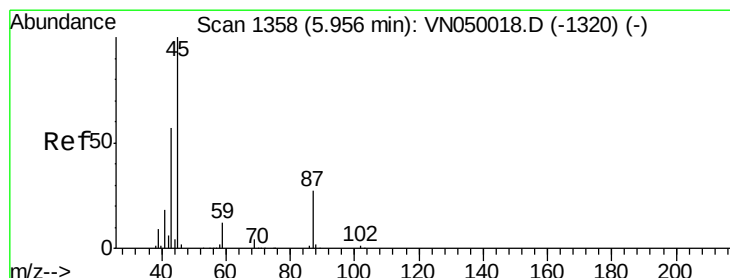
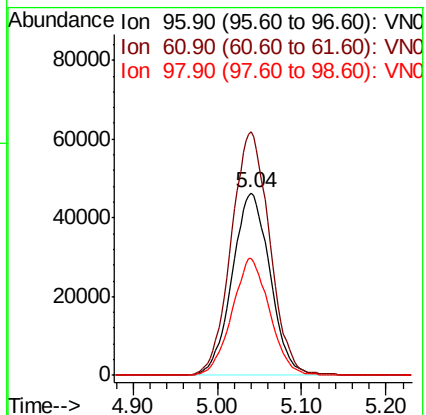
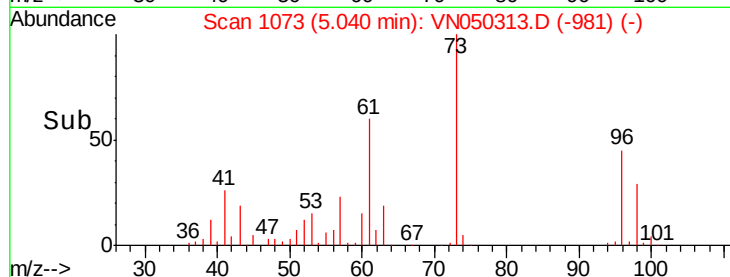
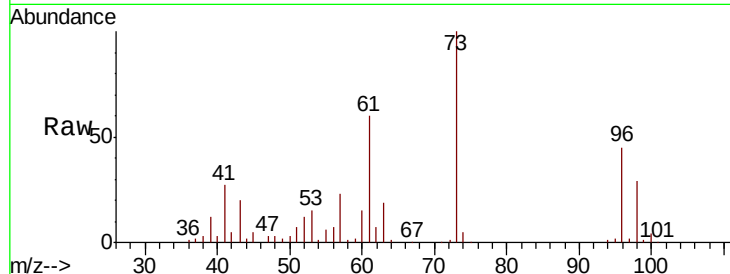
Tot Ion: 96 Resp: 144729

Ion Ratio Lower Upper

96 100

61 133.5 110.7 166.1

98 64.3 51.6 77.4



#22

Diisopropyl ether

Concen: 22.35 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Tgt Ion: 45 Resp: 476799

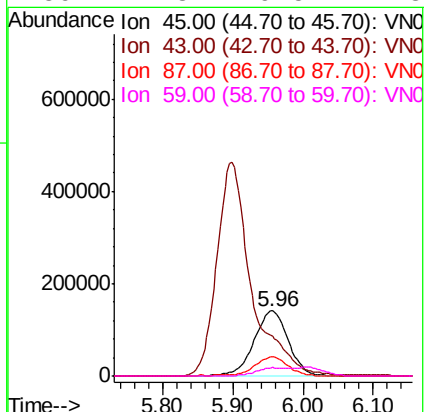
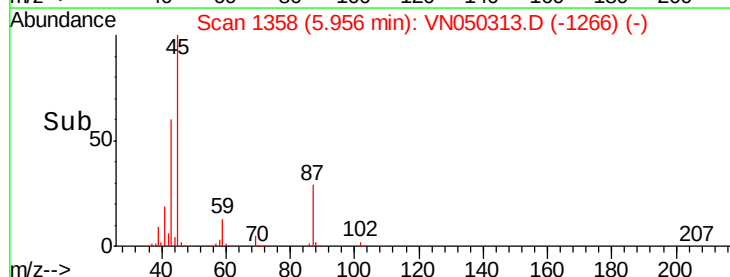
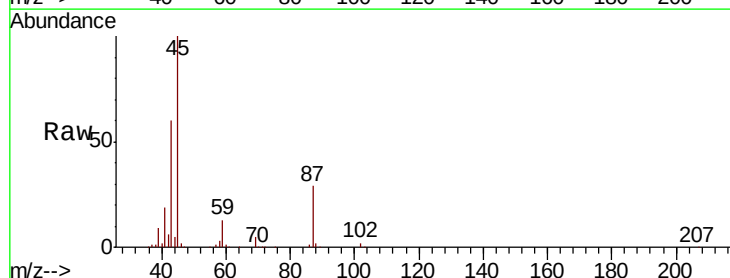
Ion Ratio Lower Upper

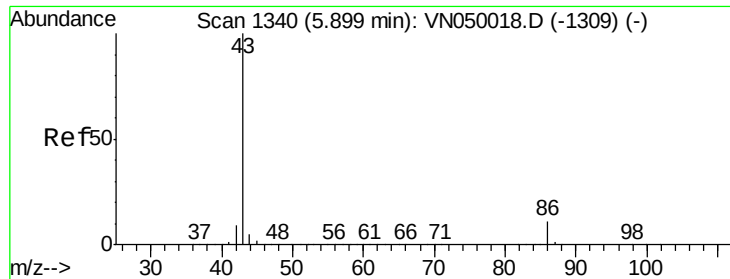
45 100

43 58.4 45.7 68.5

87 29.4 22.7 34.1

59 12.8 9.5 14.3

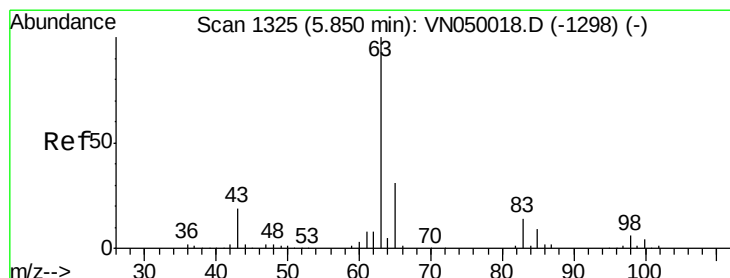
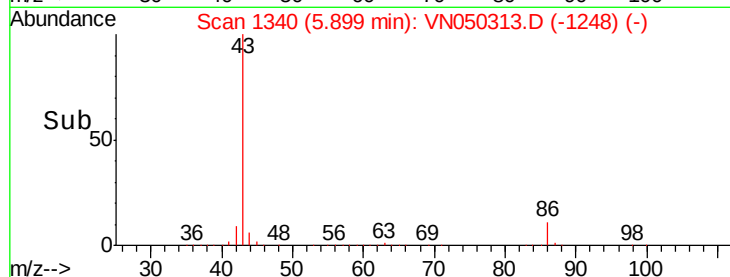
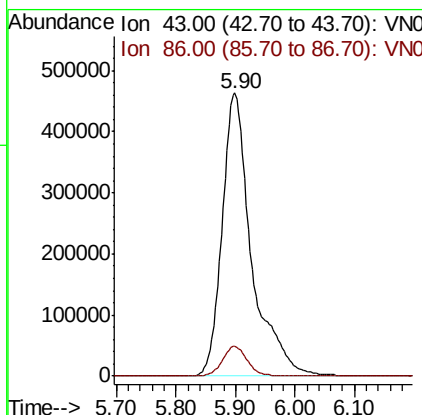
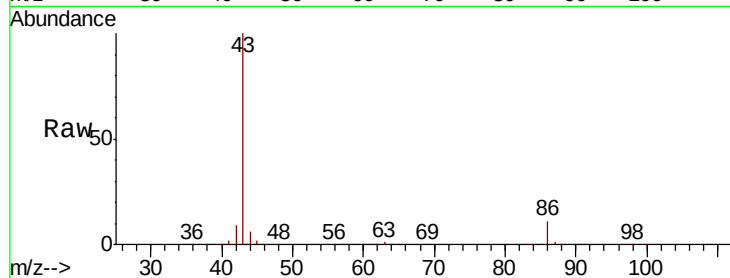




#23
 Vinyl Acetate
 Concen: 105.39 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

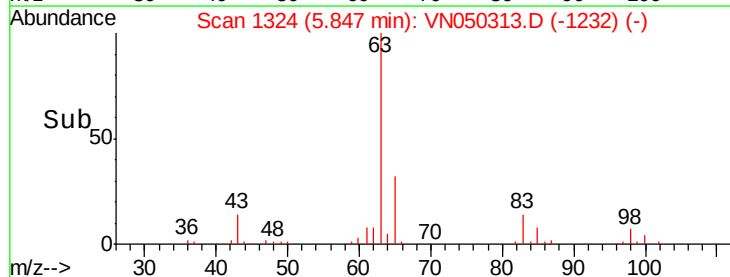
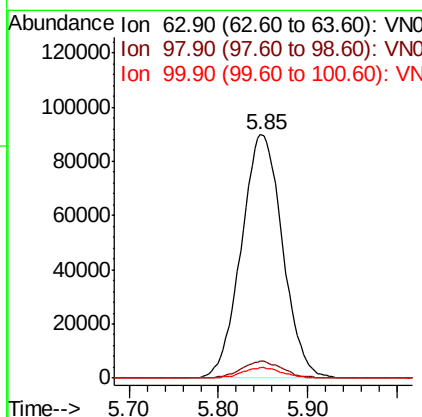
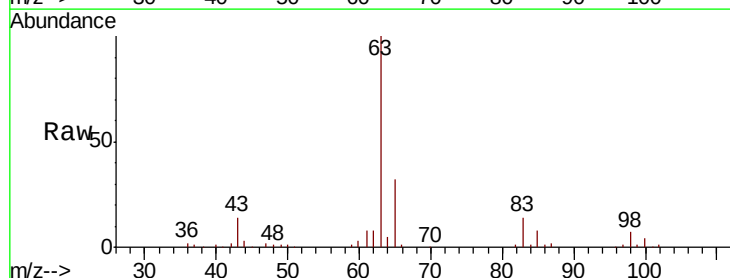
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

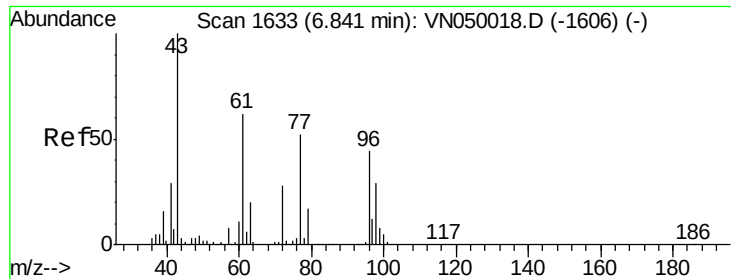
Tot Ion: 43 Resp: 1588919
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.67 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion: 63 Resp: 288324
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 4.2 2.1 6.3

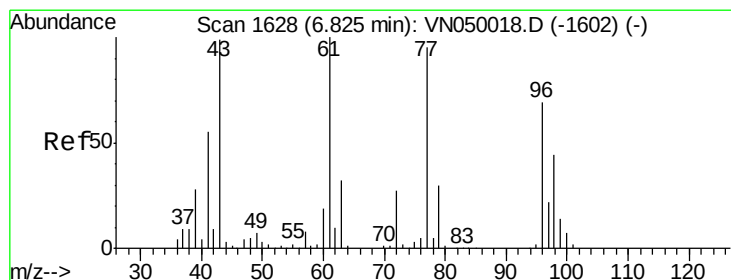
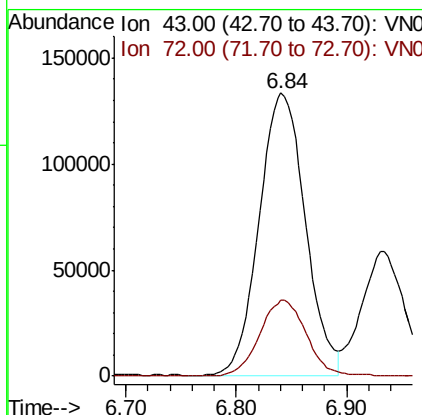
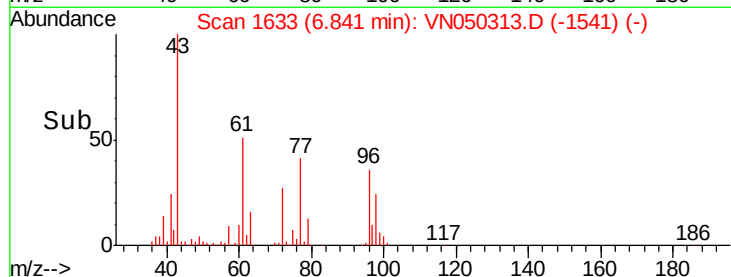
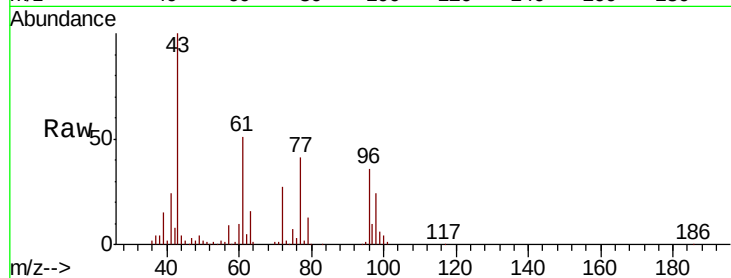




#25
2-Butanone
Concen: 120.50 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

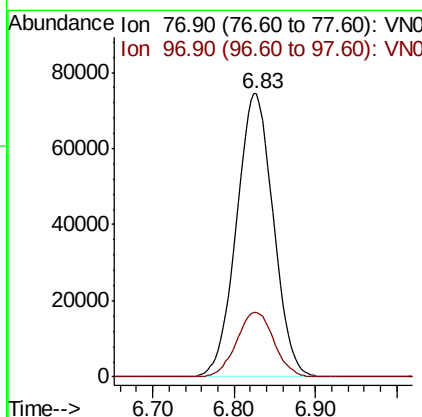
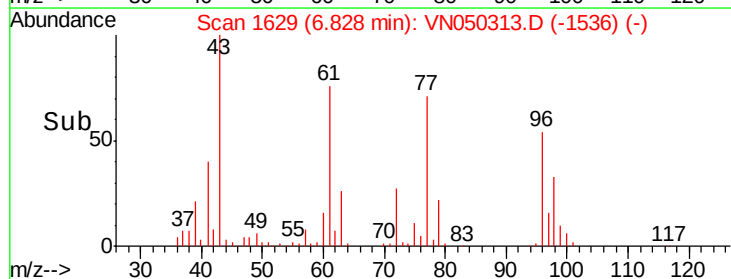
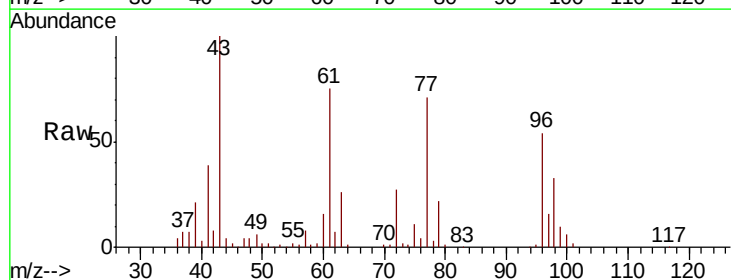
Instrument :
MSVOA_N
ClientSampled :
VN0803WBS02

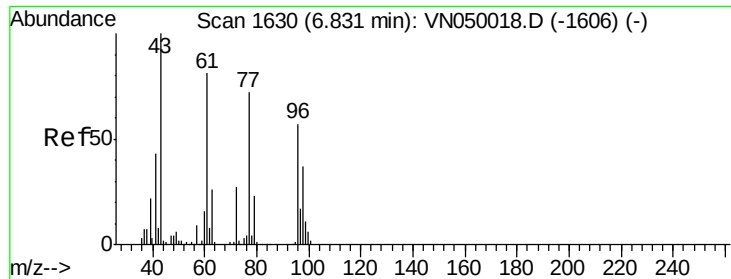
Tot Ion: 43 Resp: 386076
Ion Ratio Lower Upper
43 100
72 26.8 21.5 32.3



#26
2,2-Dichloropropane
Concen: 21.92 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion: 77 Resp: 232609
Ion Ratio Lower Upper
77 100
97 23.1 11.8 35.3

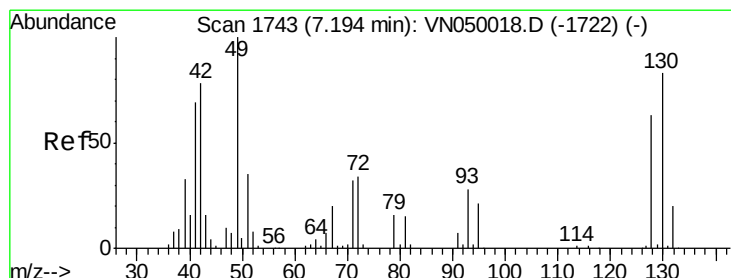
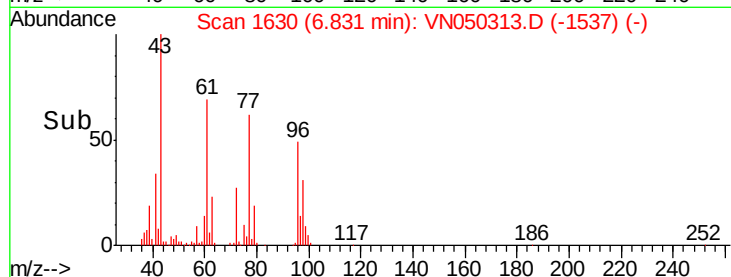
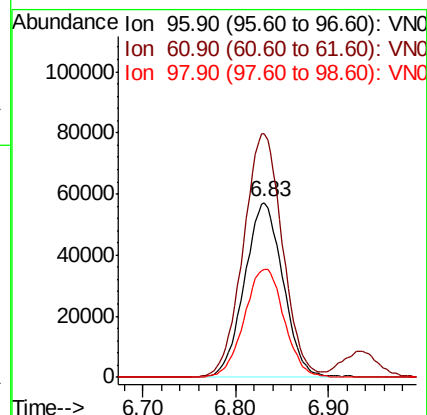
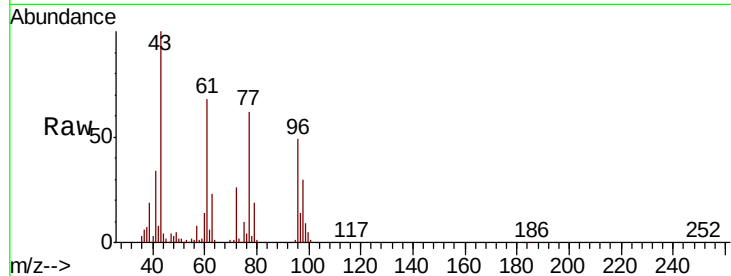




#27
 cis-1,2-Dichloroethene
 Concen: 20.90 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

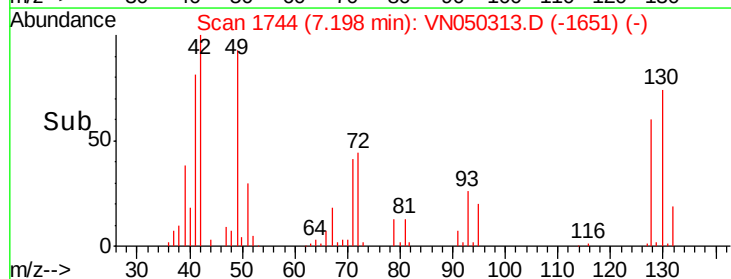
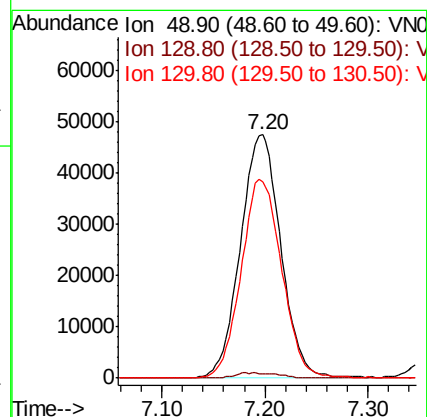
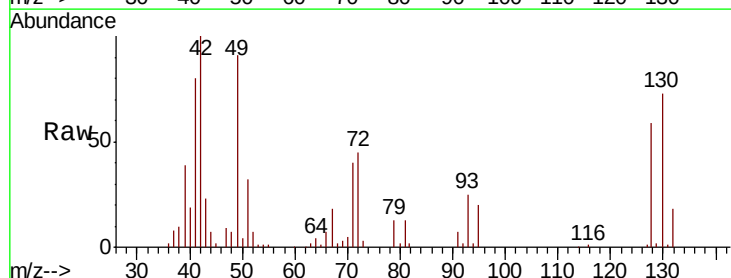
Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS02

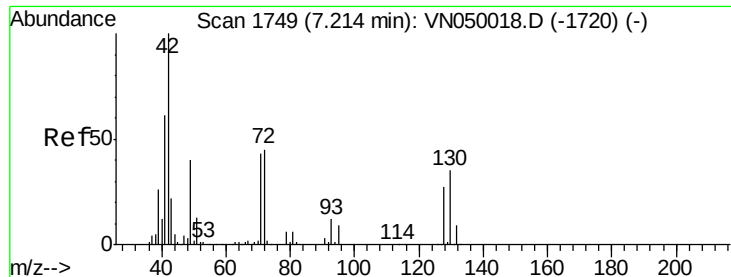
Tot Ion: 96 Resp: 165442
 Ion Ratio Lower Upper
 96 100
 61 141.8 0.0 285.0
 98 64.0 0.0 129.2



#28
 Bromochloromethane
 Concen: 20.29 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion: 49 Resp: 129091
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 4.0
 130 82.0 66.3 99.5

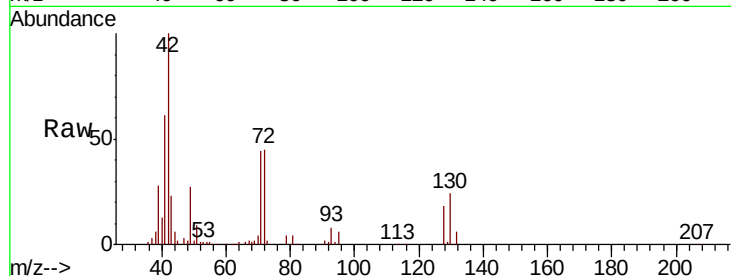




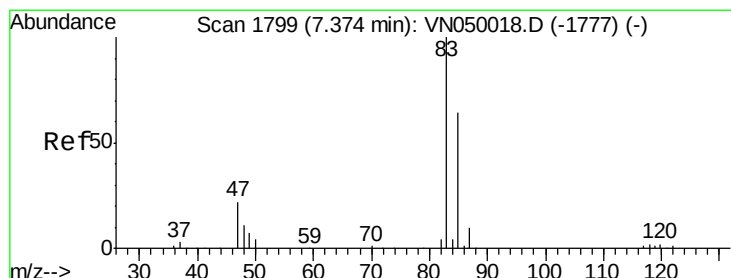
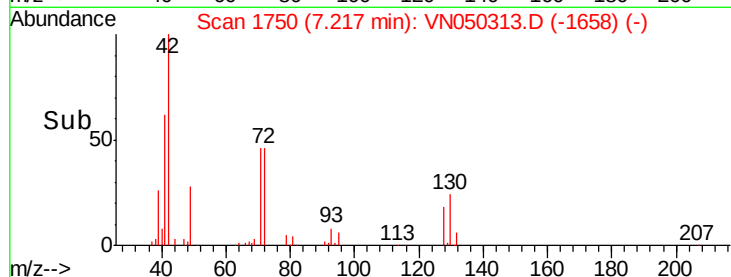
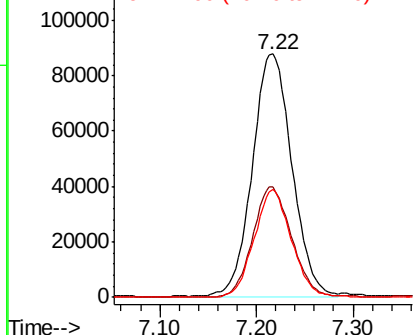
#29
Tetrahydrofuran
Concen: 120.05 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS02

Tot Ion: 42 Resp: 248551
Ion Ratio Lower Upper
42 100
72 45.0 35.9 53.9
71 41.9 33.7 50.5

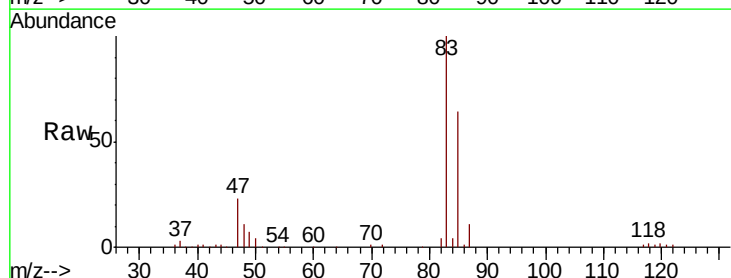


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

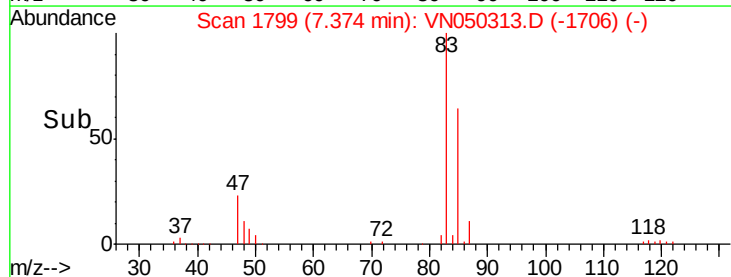
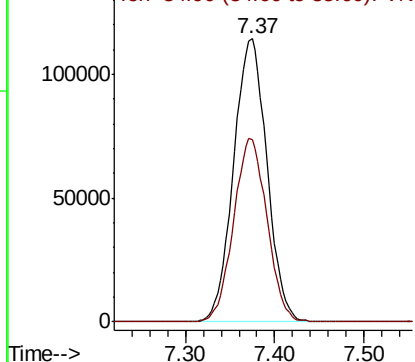


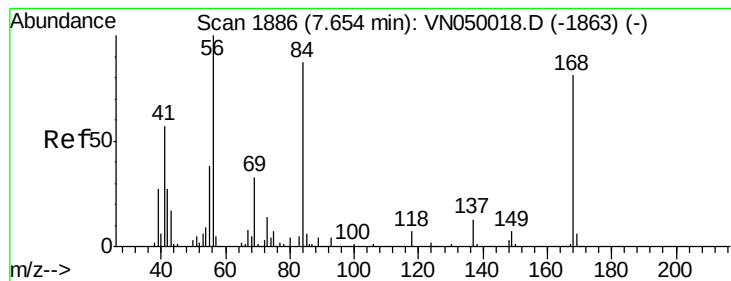
#30
Chloroform
Concen: 20.90 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion: 83 Resp: 297476
Ion Ratio Lower Upper
83 100
85 64.4 52.5 78.7



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





#31

Cyclohexane

Concen: 19.17 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

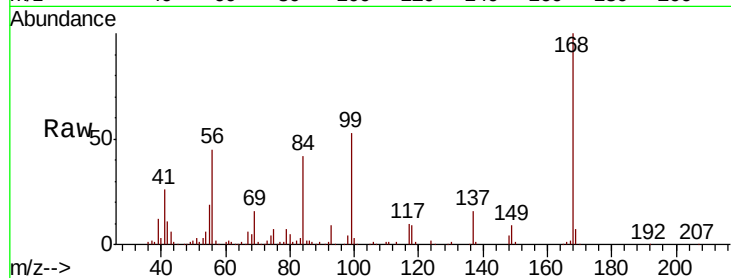
Tot Ion: 56 Resp: 222227

Ion Ratio Lower Upper

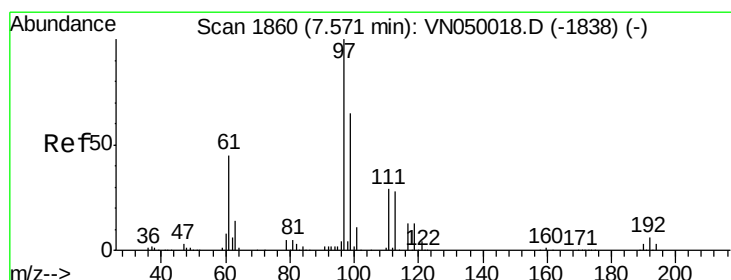
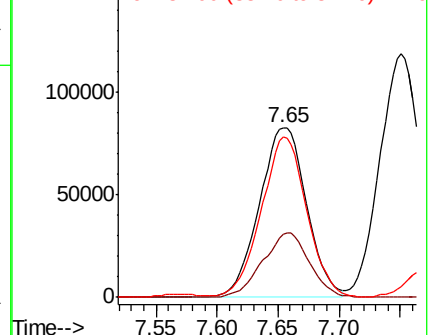
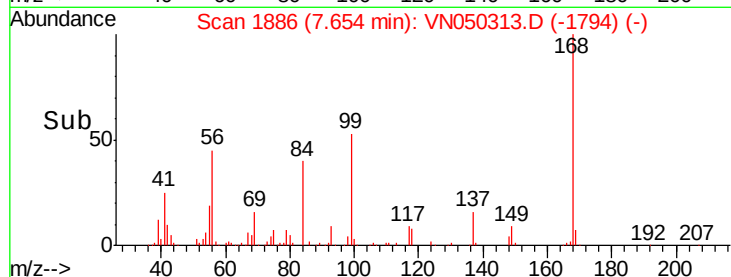
56 100

69 36.9 26.2 39.4

84 93.1 67.4 101.0



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



#32

1,1,1-Trichloroethane

Concen: 20.49 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

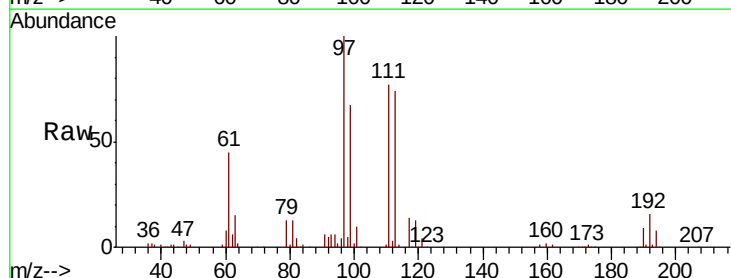
Tgt Ion: 97 Resp: 249487

Ion Ratio Lower Upper

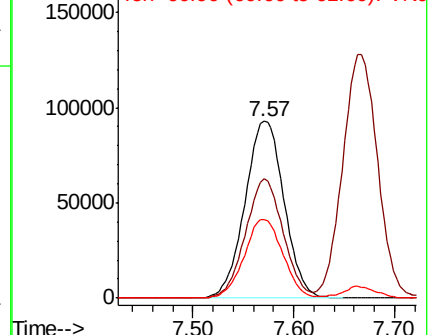
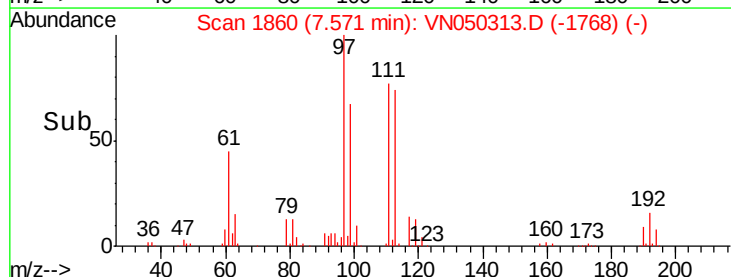
97 100

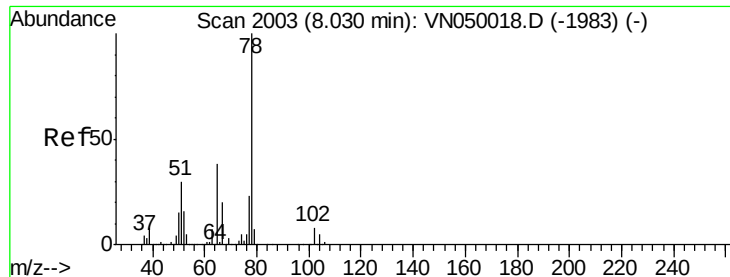
99 64.9 51.4 77.0

61 44.1 35.4 53.0



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

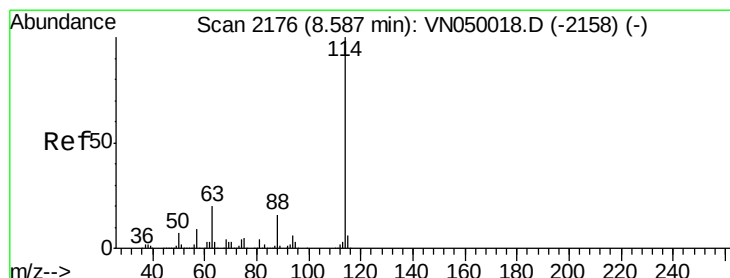
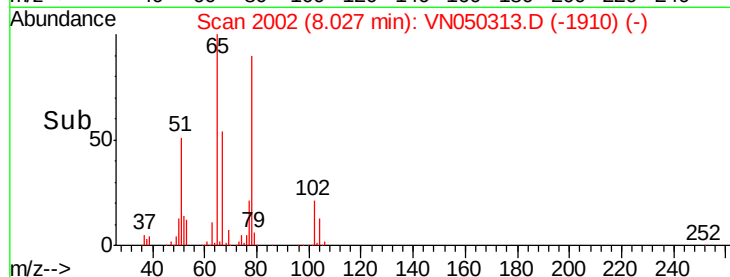
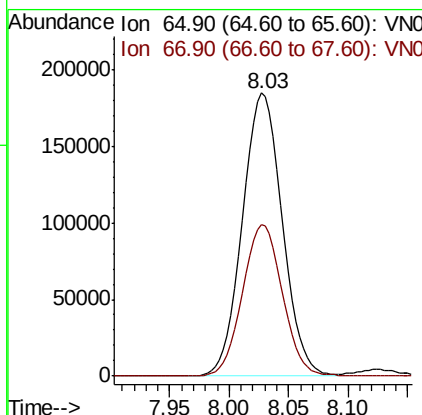
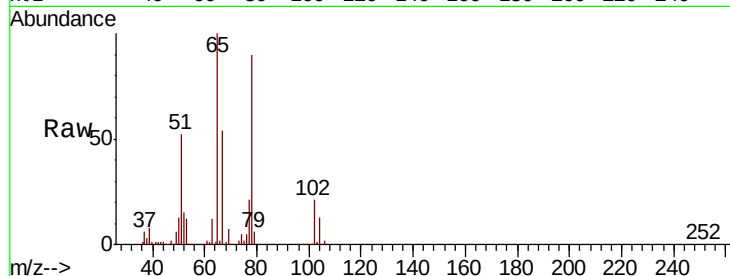




#33
 1,2-Dichloroethane-d4
 Concen: 51.17 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

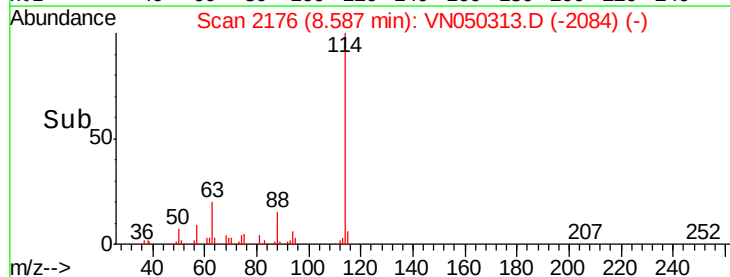
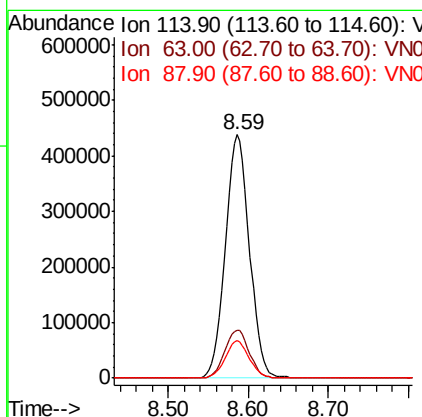
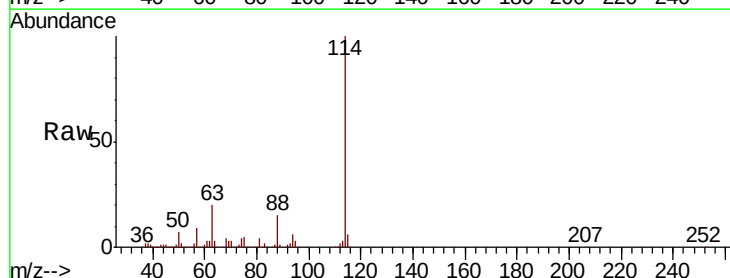
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

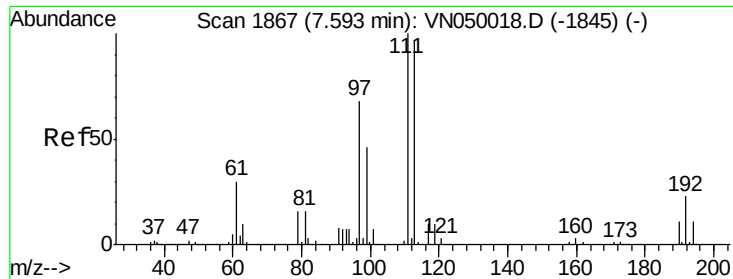
Tot Ion: 65 Resp: 429803
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion: 114 Resp: 900382
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.2 0.0 31.2

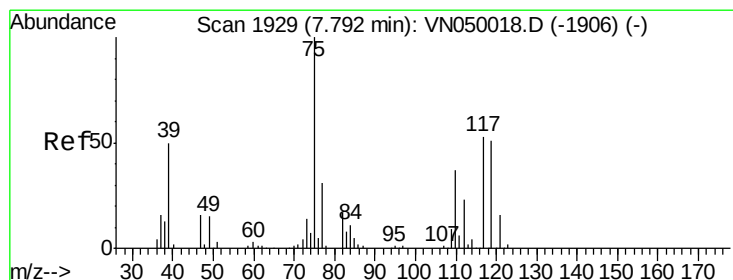
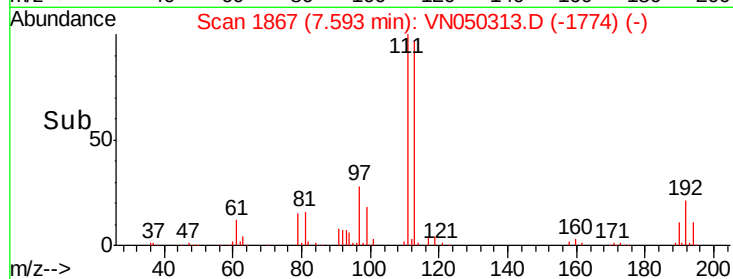
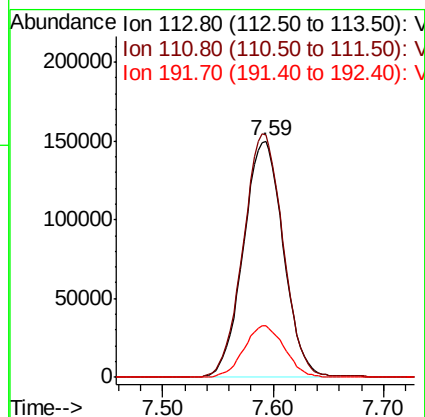
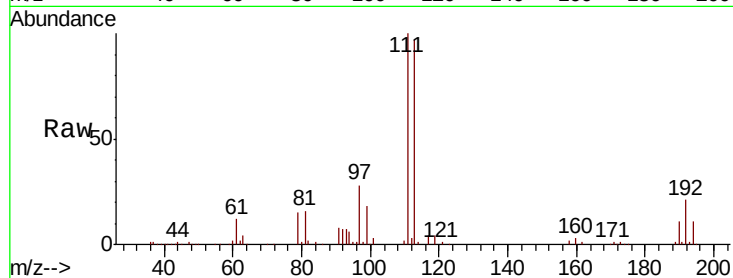




#35
 Dibromofluoromethane
 Concen: 51.26 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

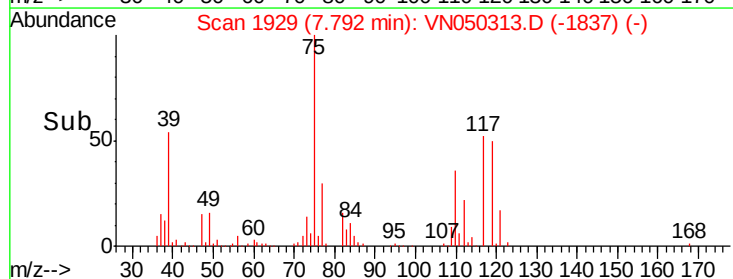
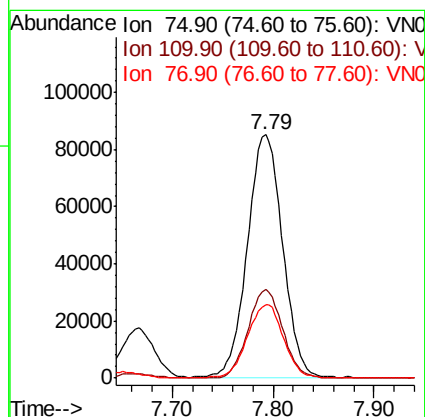
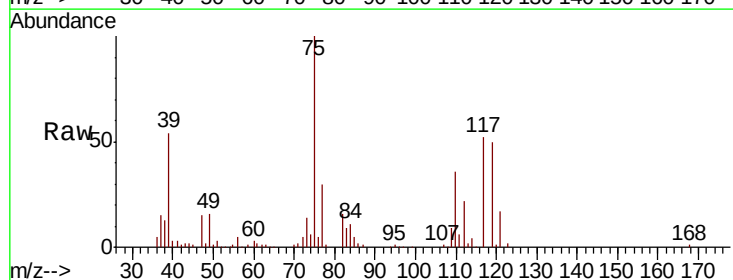
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

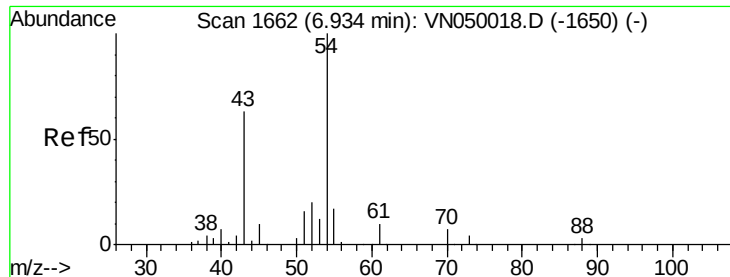
Tot Ion:113 Resp: 376841
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.7 121.1
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 20.24 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion: 75 Resp: 205281
 Ion Ratio Lower Upper
 75 100
 110 35.9 18.4 55.2
 77 31.1 25.3 37.9

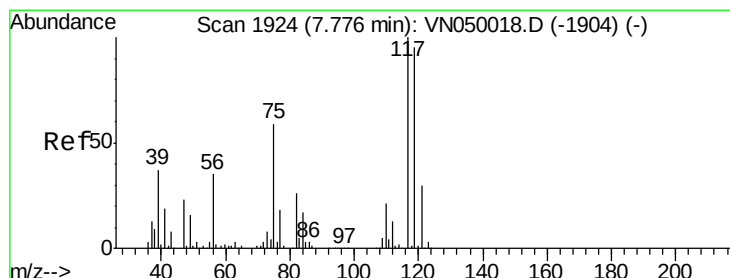
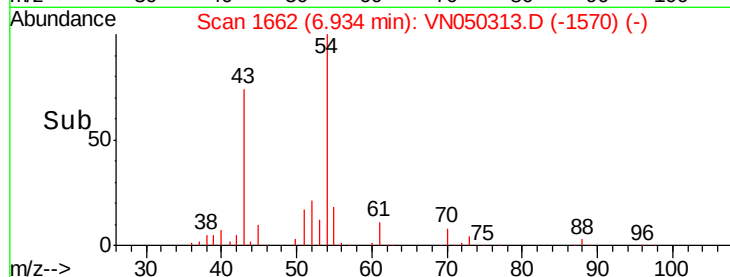
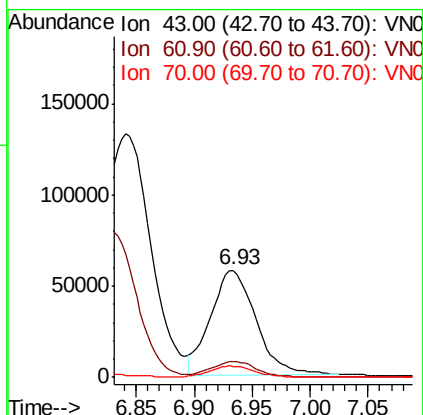
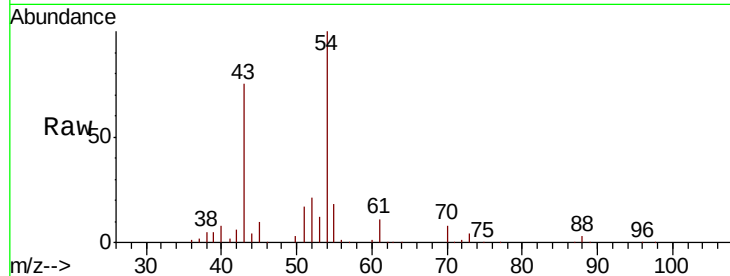




#37
Ethyl Acetate
Concen: 22.15 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

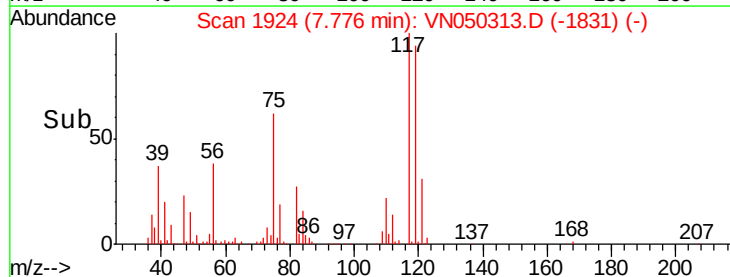
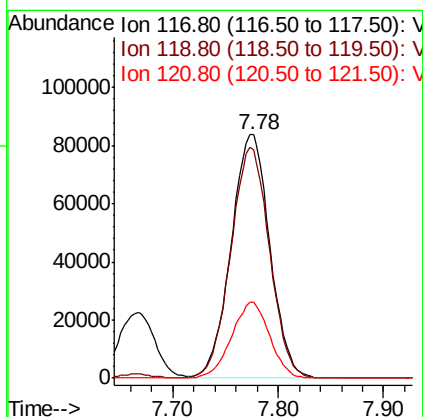
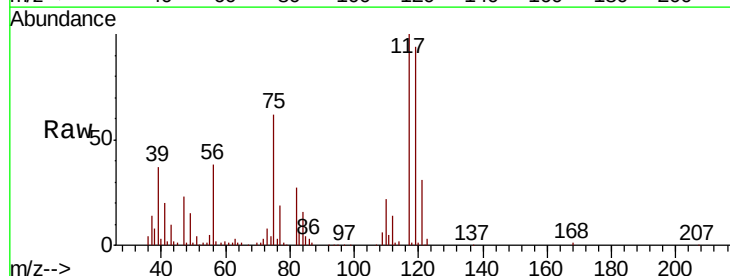
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

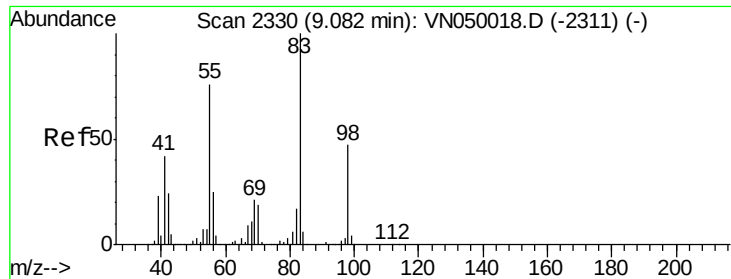
Tot Ion: 43 Resp: 156680
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.8
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.84 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion: 117 Resp: 213598
Ion Ratio Lower Upper
117 100
119 93.6 77.4 116.0
121 31.2 23.9 35.9

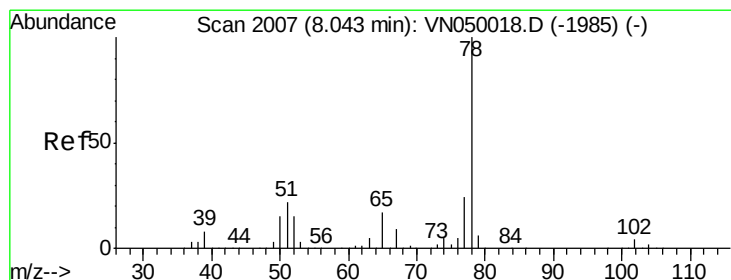
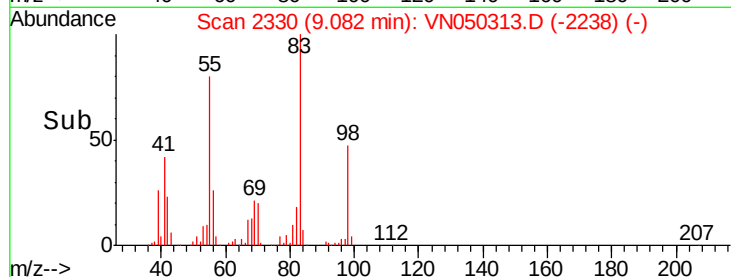
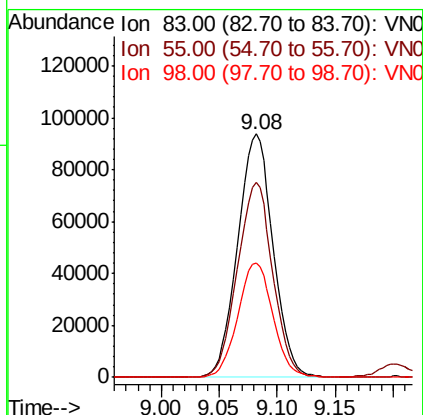
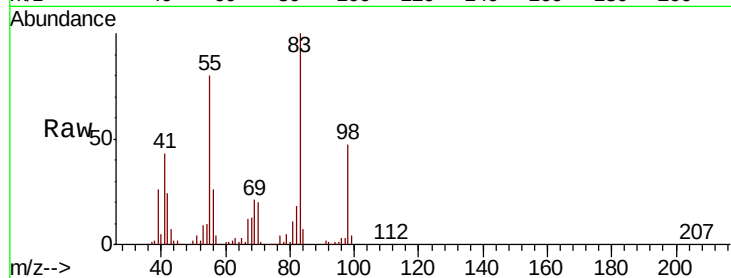




#39
Methylvlcyclohexane
Concen: 19.05 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

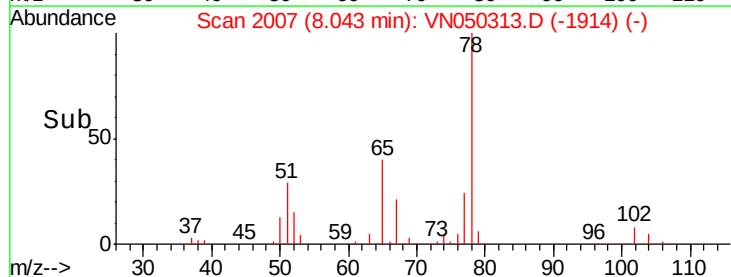
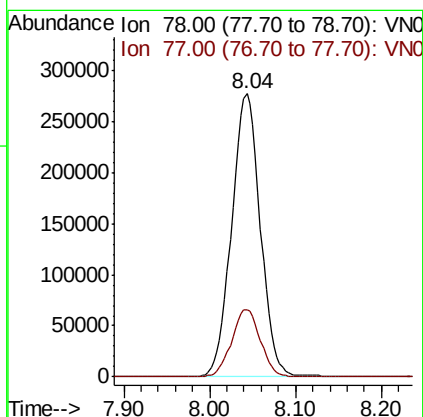
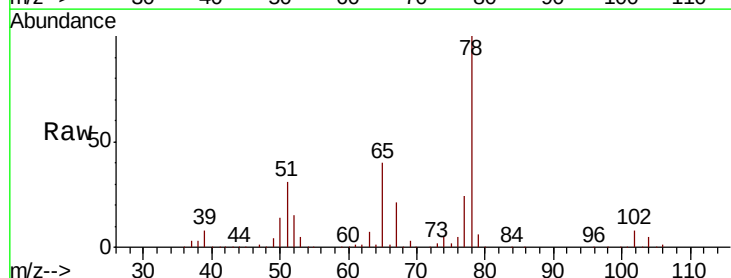
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

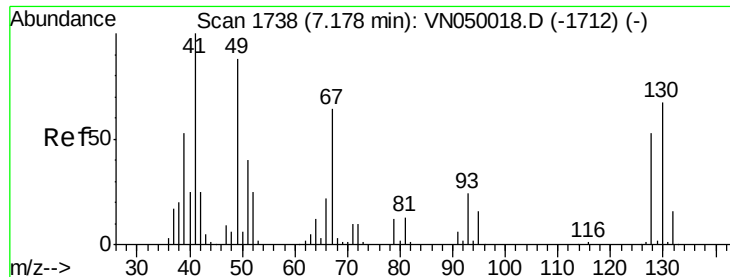
Tot Ion: 83 Resp: 198818
Ion Ratio Lower Upper
83 100
55 80.2 61.8 92.8
98 47.0 36.5 54.7



#40
Benzene
Concen: 20.78 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion: 78 Resp: 641383
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1

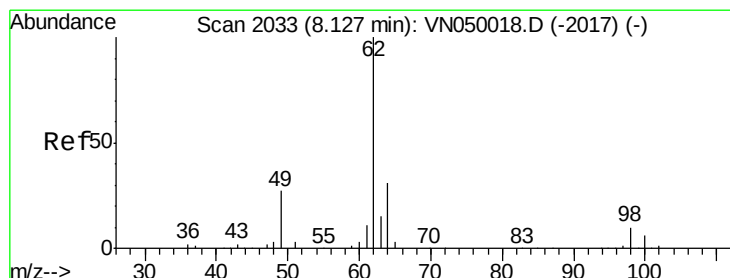
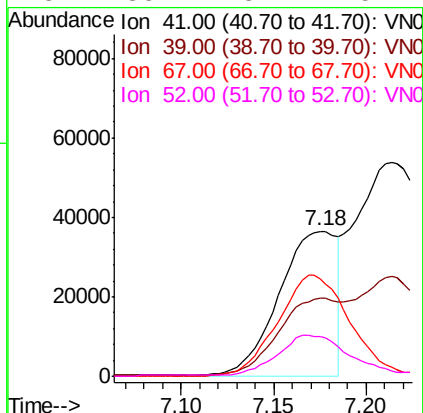
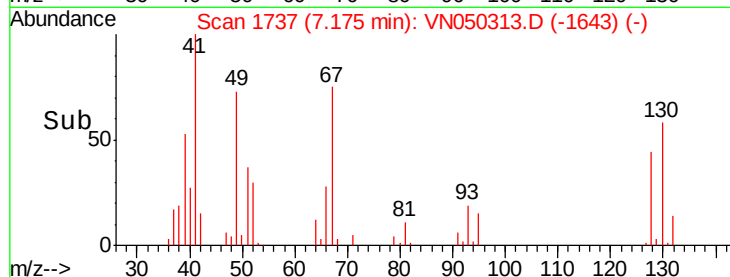
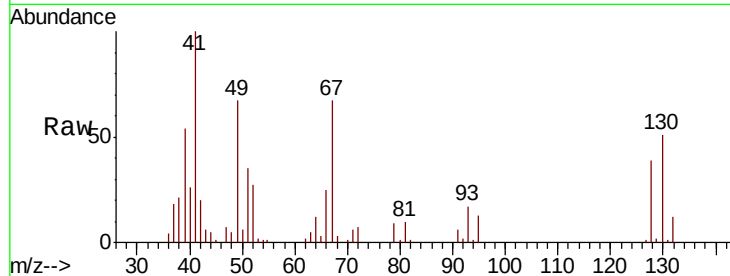




#41
Methacrylonitrile
Concen: 23.07 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

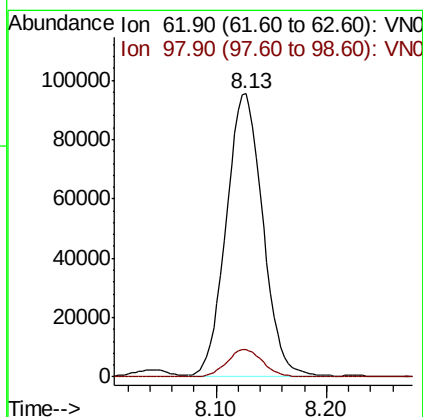
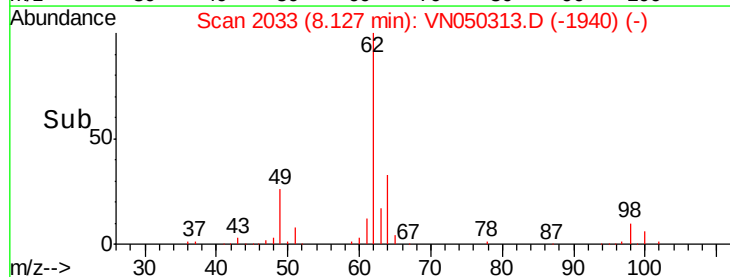
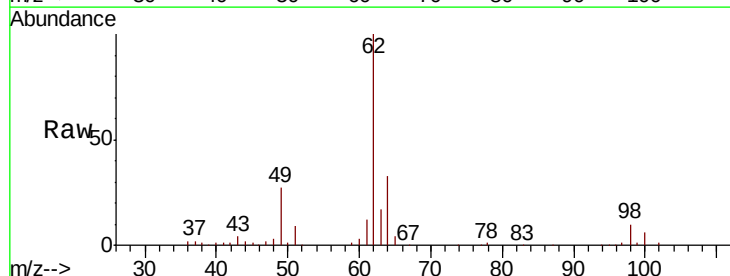
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

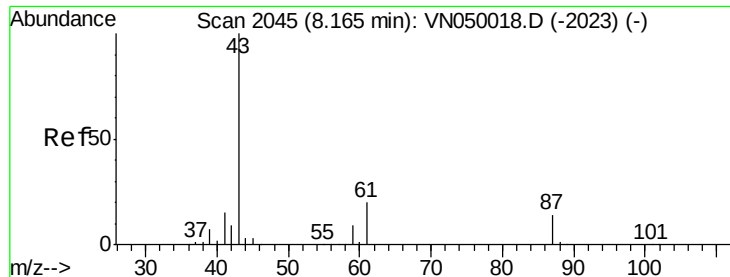
Tot Ion: 41 Resp: 79199
Ion Ratio Lower Upper
41 100
39 53.9 55.8 83.6#
67 87.9 84.3 126.5
52 35.4 34.2 51.2



#42
1,2-Dichloroethane
Concen: 21.23 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion: 62 Resp: 218664
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.8





#43

Isopropyl Acetate

Concen: 30.96 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

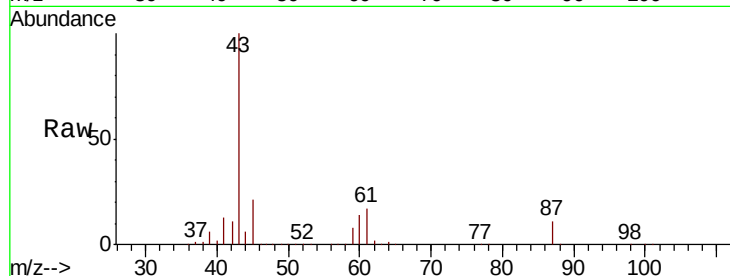
Tot Ion: 43 Resp: 418469

Ion Ratio Lower Upper

43 100

61 13.9 15.8 23.6#

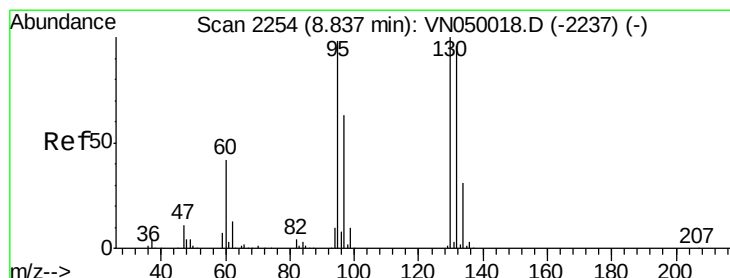
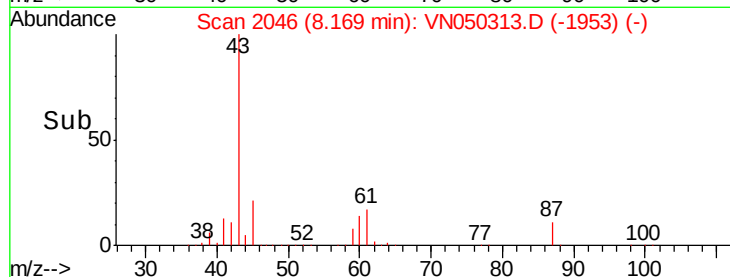
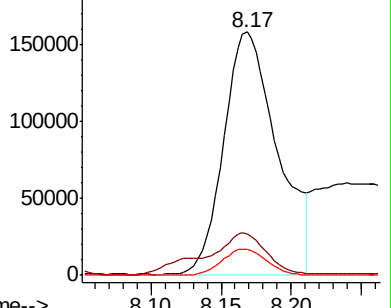
87 9.1 10.3 15.5#



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

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

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



#44

Trichloroethene

Concen: 20.59 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050313.D

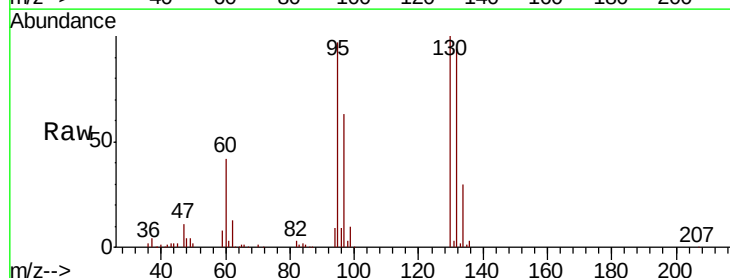
Acq: 3 Aug 2018 15:23

Tgt Ion:130 Resp: 170799

Ion Ratio Lower Upper

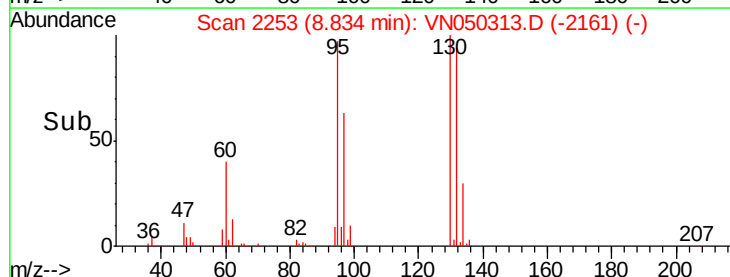
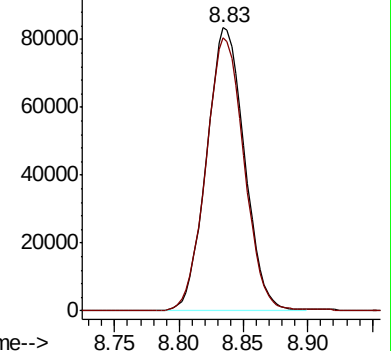
130 100

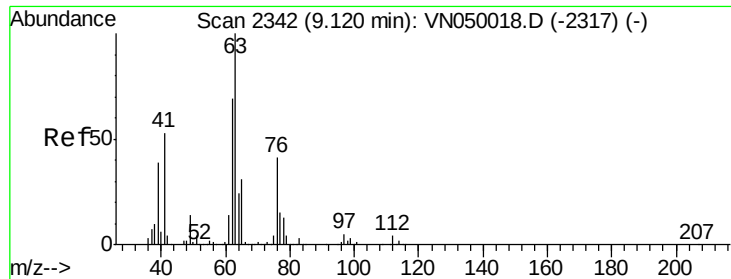
95 96.7 0.0 194.6



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

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





#45

1,2-Dichloropropane

Concen: 21.18 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

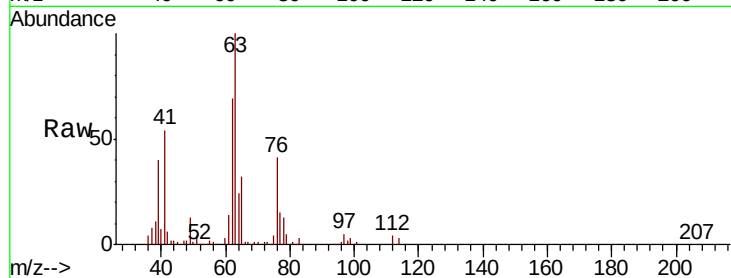
VN0803WBS02

Tot Ion: 63 Resp: 173178

Ion Ratio Lower Upper

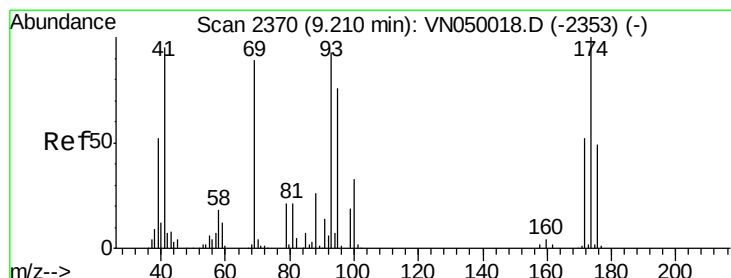
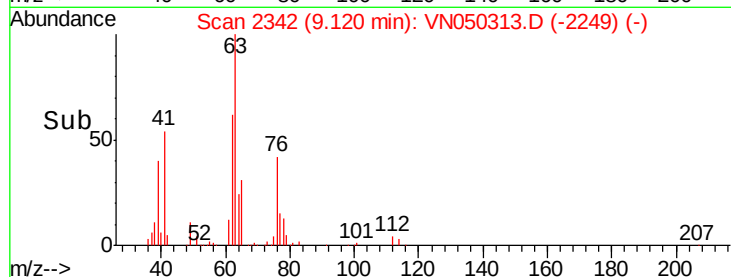
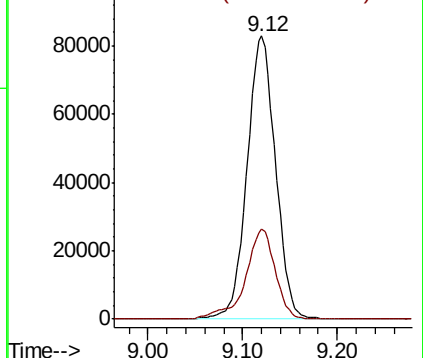
63 100

65 31.8 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.31 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

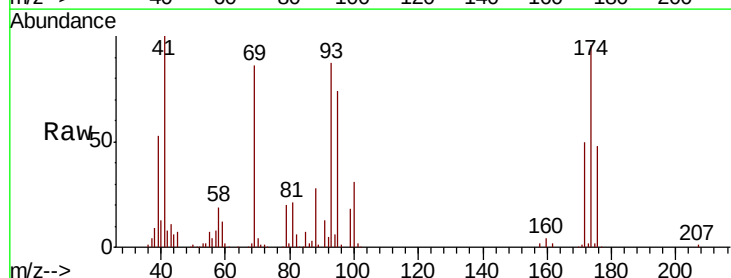
Tgt Ion: 93 Resp: 108194

Ion Ratio Lower Upper

93 100

95 84.3 66.6 100.0

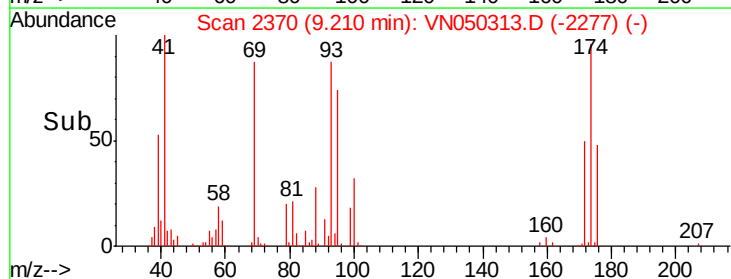
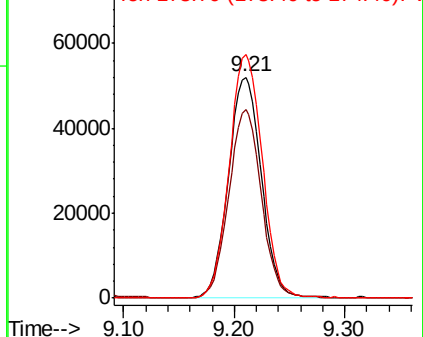
174 110.3 87.1 130.7

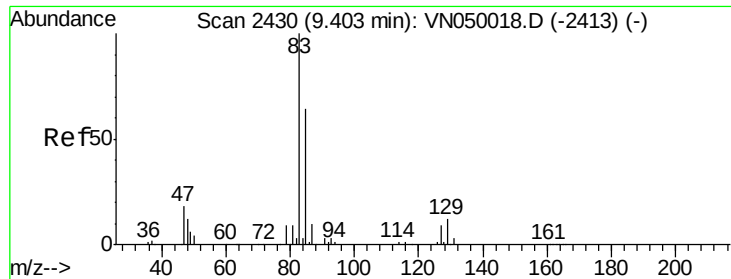


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

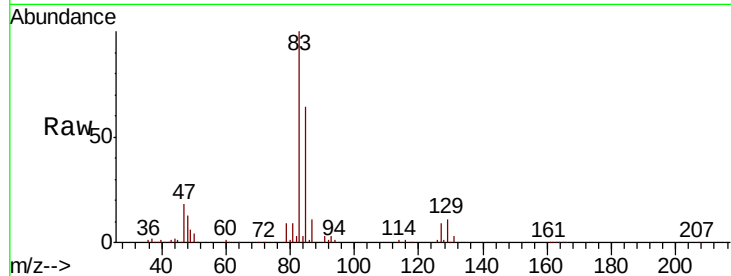




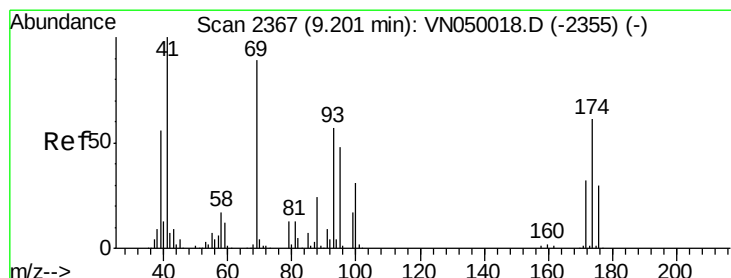
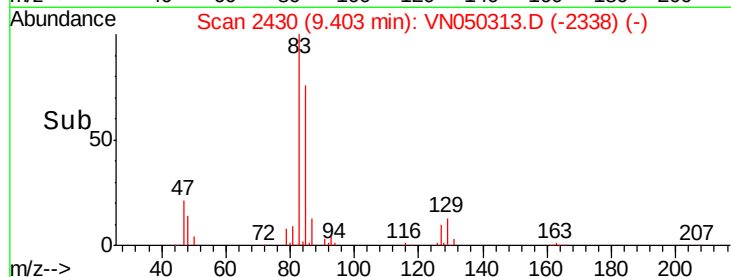
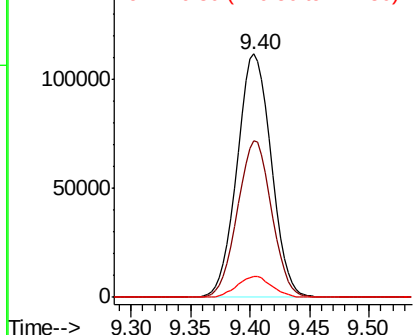
#47
 Bromodichloromethane
 Concen: 20.83 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS02

Tot Ion: 83 Resp: 223150
 Ion Ratio Lower Upper
 83 100
 85 64.4 51.1 76.7
 127 8.6 7.0 10.4

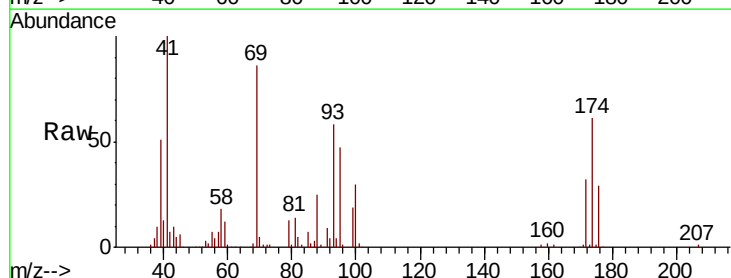


Abundance Ion 82.90 (82.60 to 83.60): VN0
 150000 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

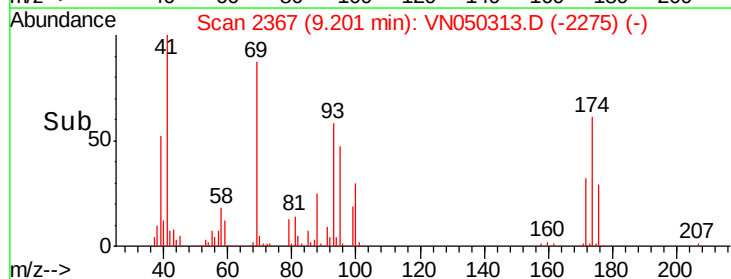
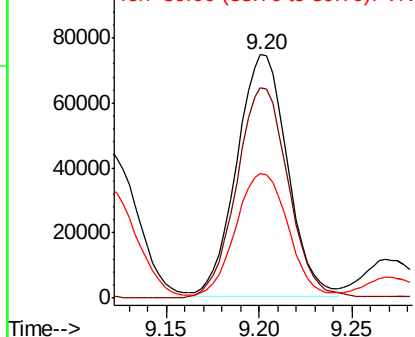


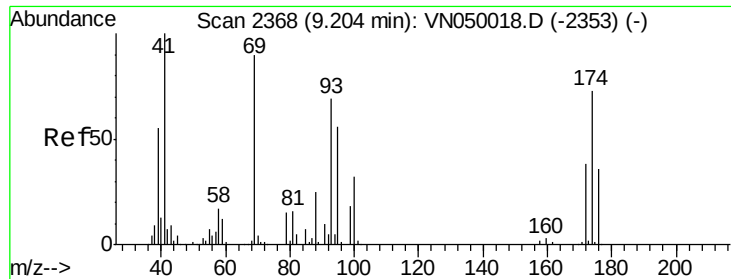
#48
 Methyl methacrylate
 Concen: 23.23 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion: 41 Resp: 141469
 Ion Ratio Lower Upper
 41 100
 69 89.1 70.6 105.8
 39 53.2 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
 100000 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

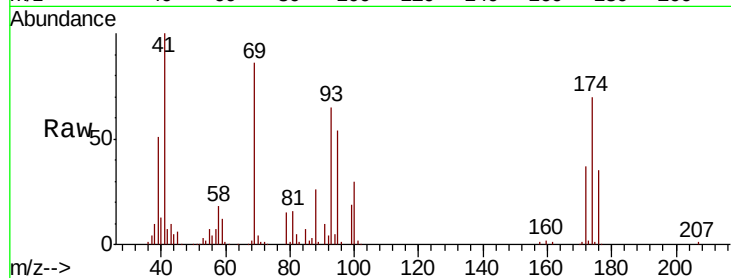




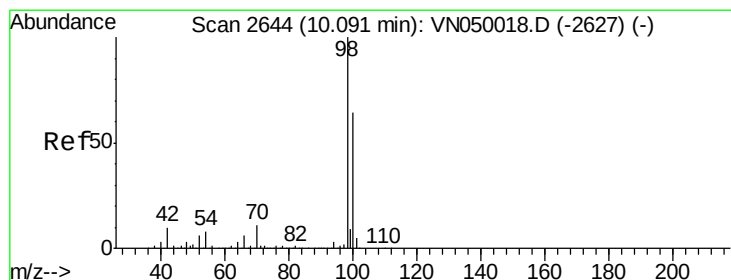
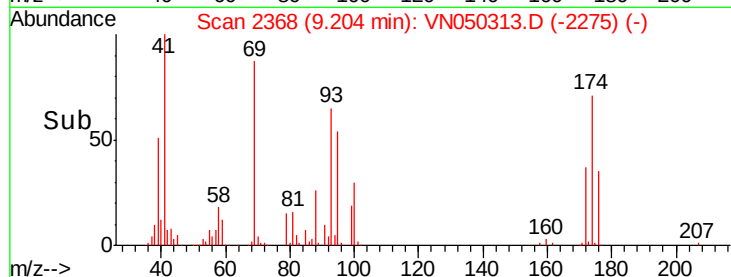
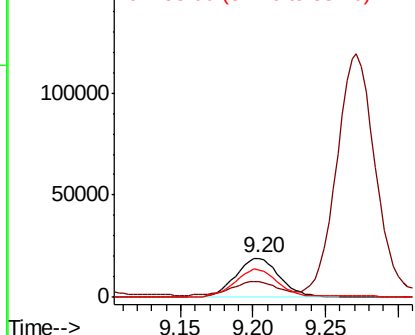
#49
1,4-Dioxane
Concen: 489.90 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

Tot Ion: 88 Resp: 40609
Ion Ratio Lower Upper
88 100
43 35.7 26.9 40.3
58 70.5 57.3 85.9

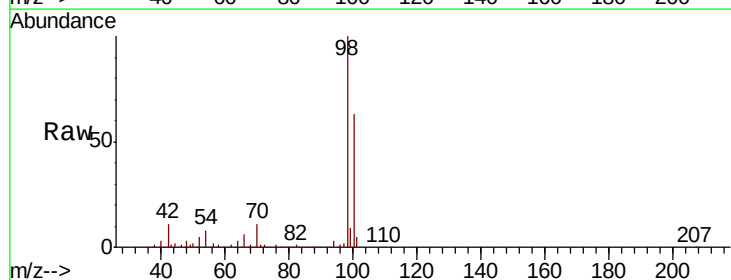


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

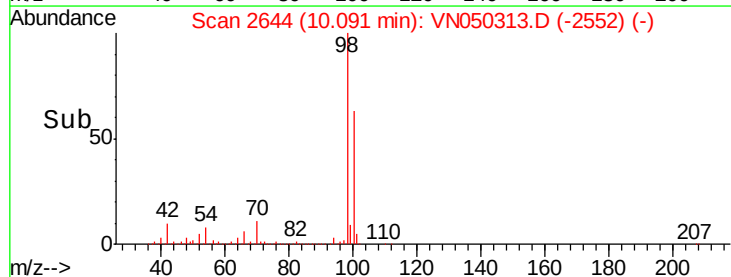
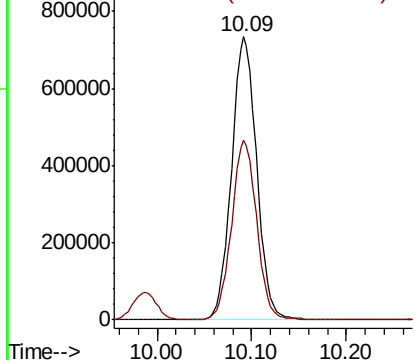


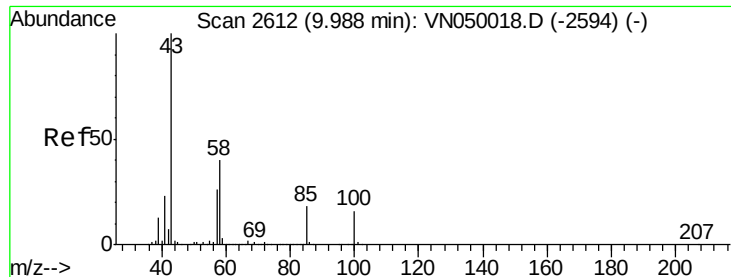
#50
Toluene-d8
Concen: 50.04 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion: 98 Resp: 1352363
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1



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





#51

4-Methyl-2-Pentanone

Concen: 123.14 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

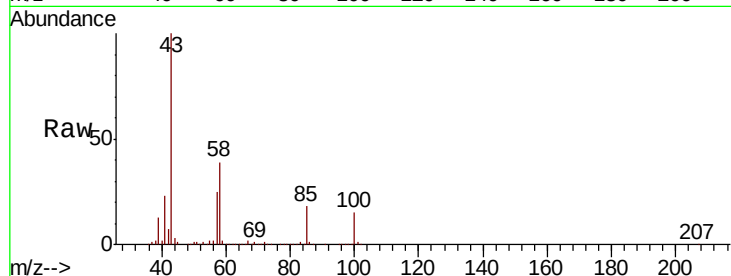
VN0803WBS02

Tot Ion: 43 Resp: 856139

Ion Ratio Lower Upper

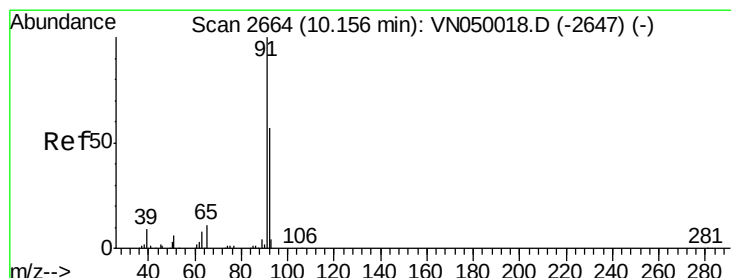
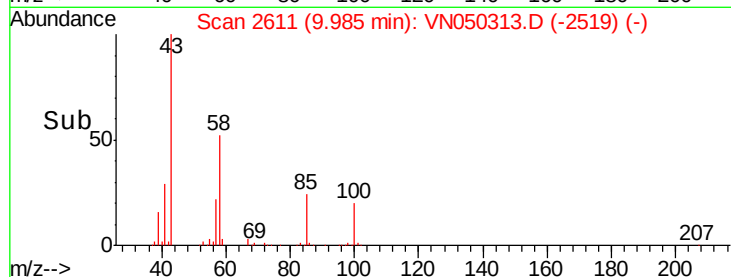
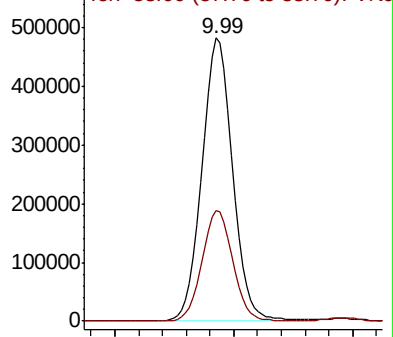
43 100

58 39.5 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.10 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050313.D

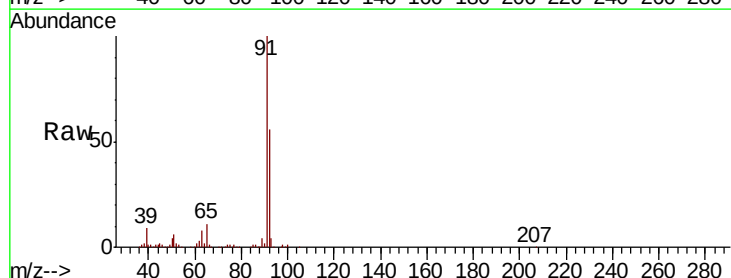
Acq: 3 Aug 2018 15:23

Tgt Ion: 92 Resp: 384497

Ion Ratio Lower Upper

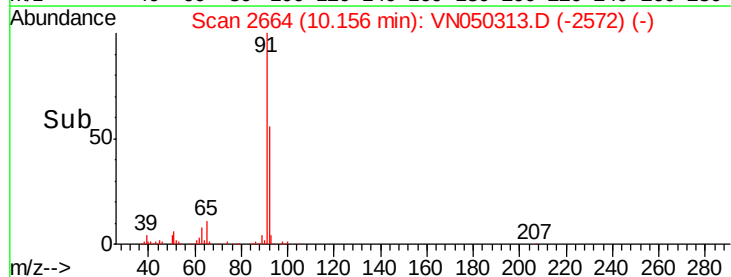
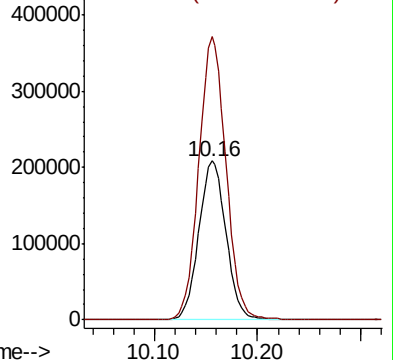
92 100

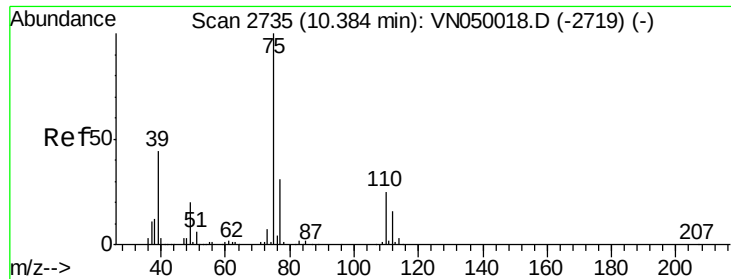
91 176.9 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 21.18 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

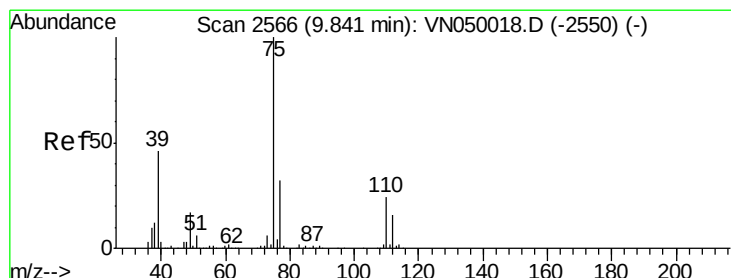
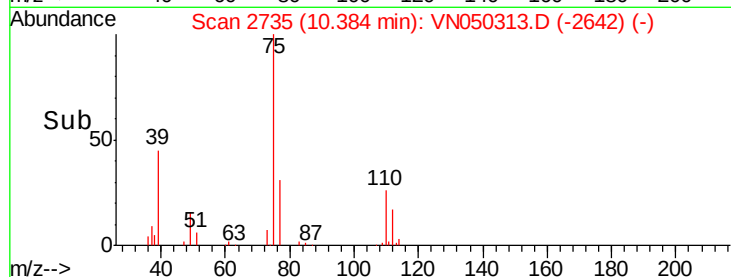
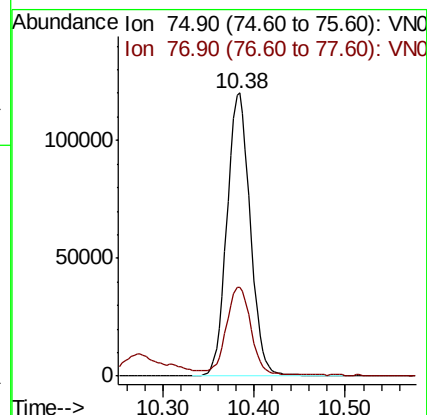
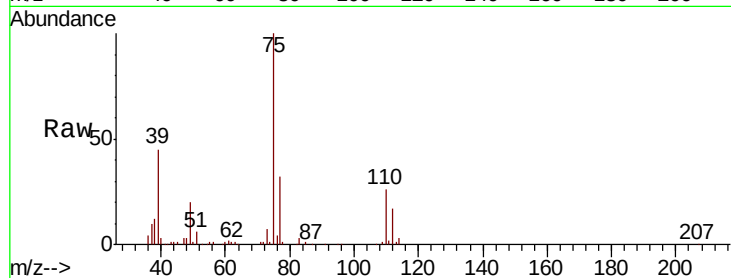
VN0803WBS02

Tot Ion: 75 Resp: 214109

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 21.09 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

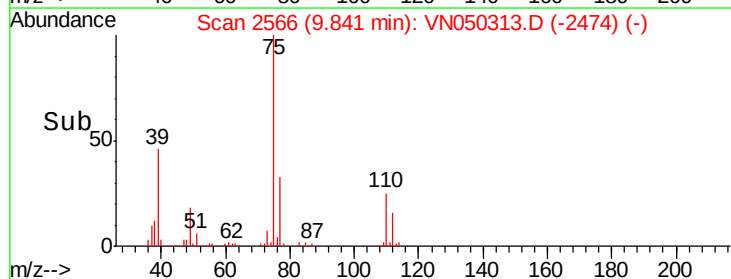
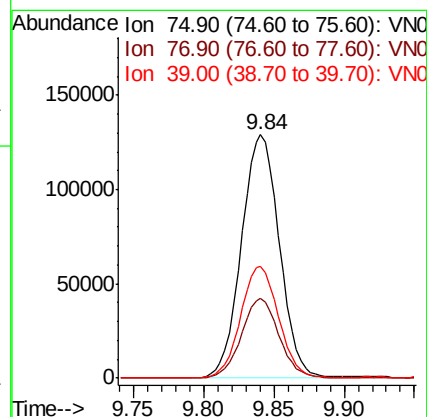
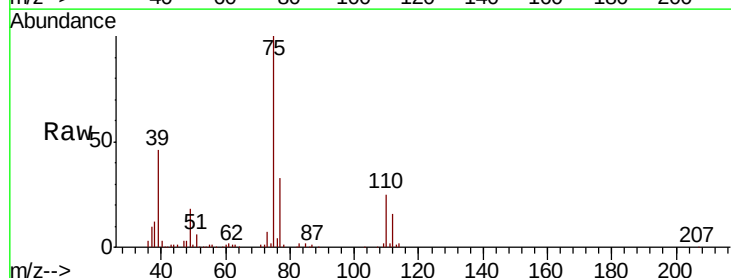
Tgt Ion: 75 Resp: 243644

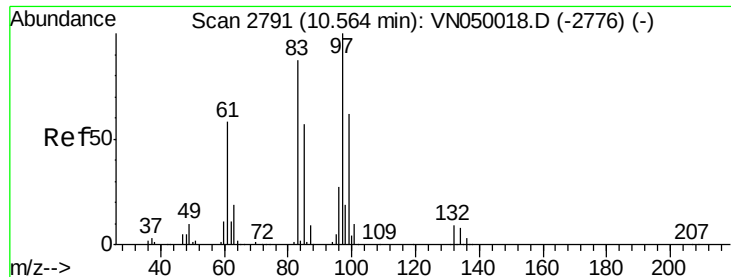
Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3

39 45.6 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 21.89 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS02

Tot Ion: 97 Resp: 158172

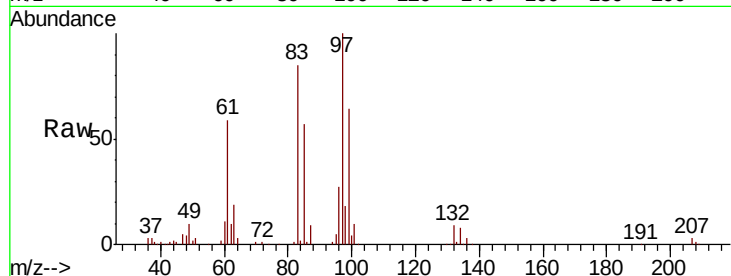
Ion Ratio Lower Upper

97 100

83 85.4 69.2 103.8

85 57.2 44.0 66.0

99 64.0 49.9 74.9

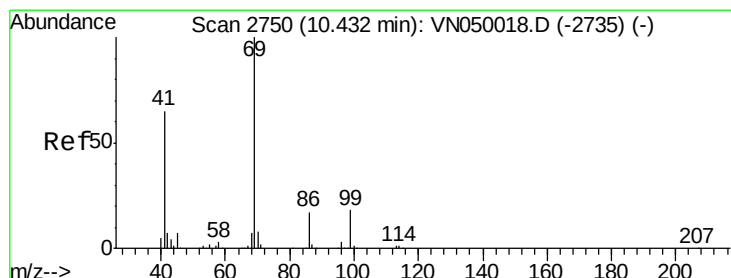
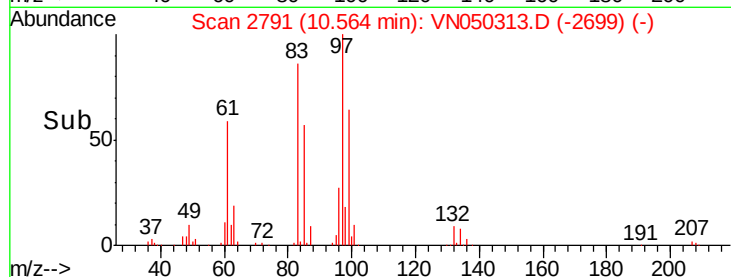
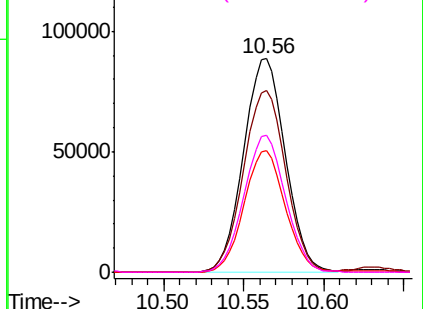


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.39 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

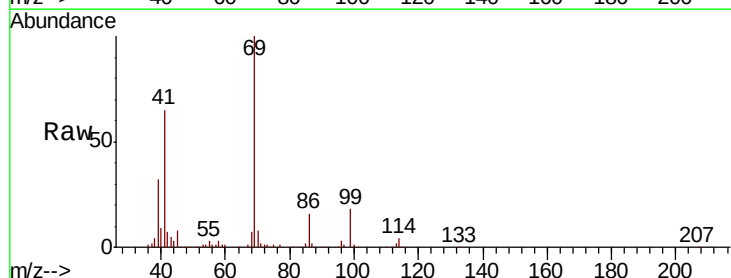
Tgt Ion: 69 Resp: 197552

Ion Ratio Lower Upper

69 100

41 64.5 51.0 76.4

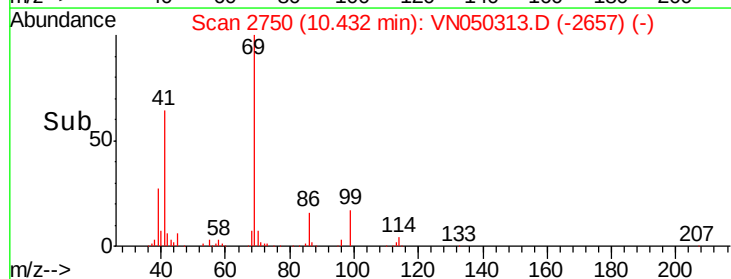
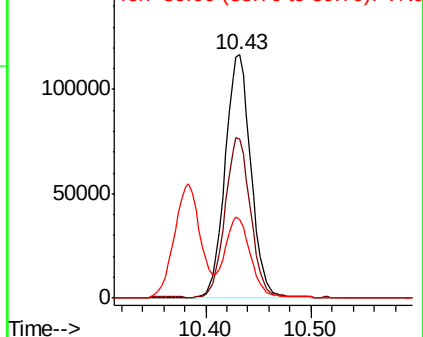
39 31.9 26.6 40.0

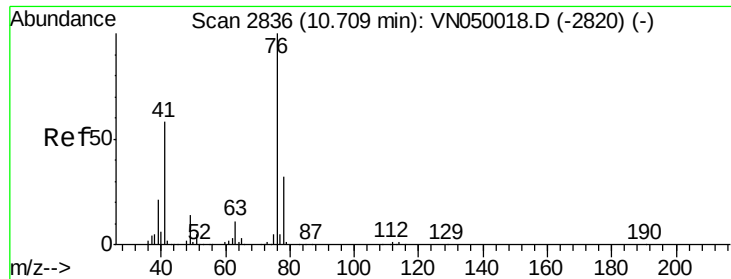


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.81 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

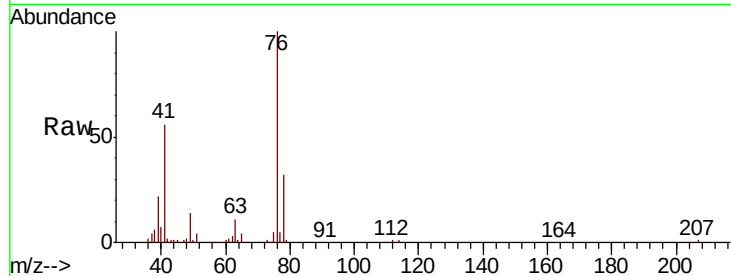
VN0803WBS02

Tot Ion: 76 Resp: 256675

Ion Ratio Lower Upper

76 100

78 32.6 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

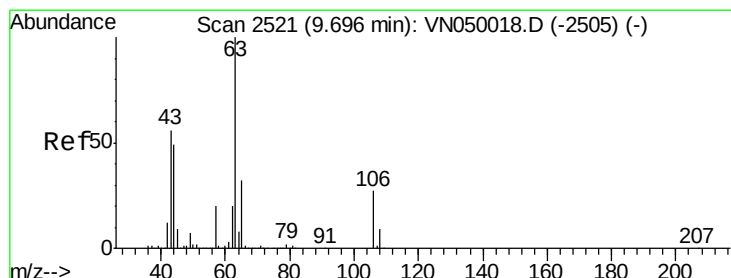
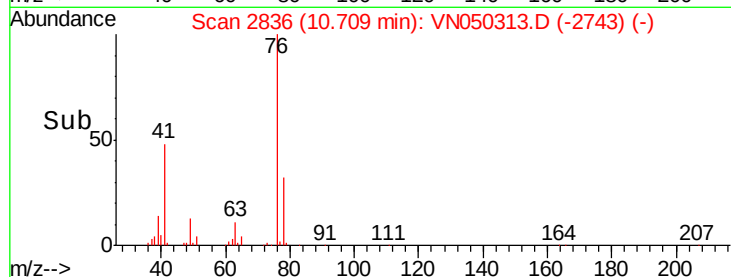
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 99.23 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050313.D

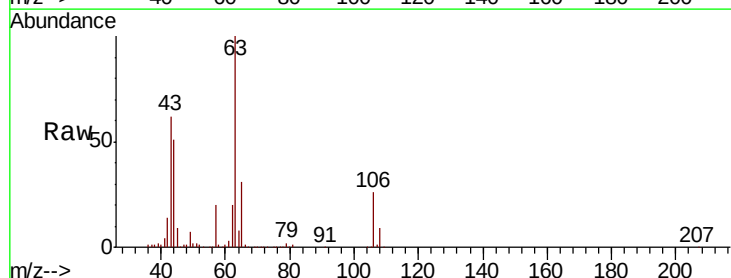
Acq: 3 Aug 2018 15:23

Tgt Ion: 63 Resp: 429536

Ion Ratio Lower Upper

63 100

106 26.3 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

250000

200000

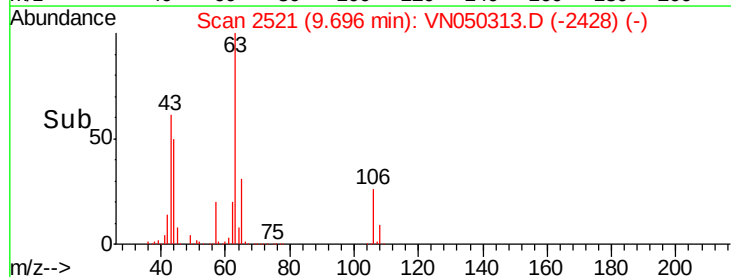
150000

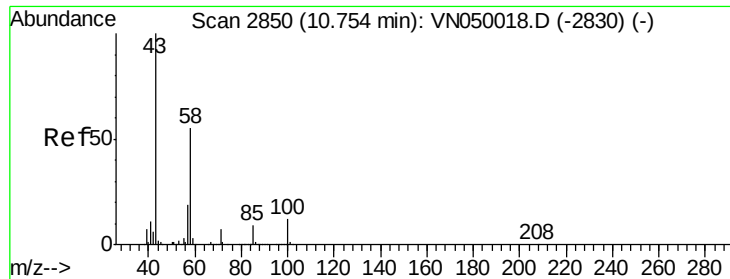
100000

50000

0

Time--> 9.60 9.70 9.80

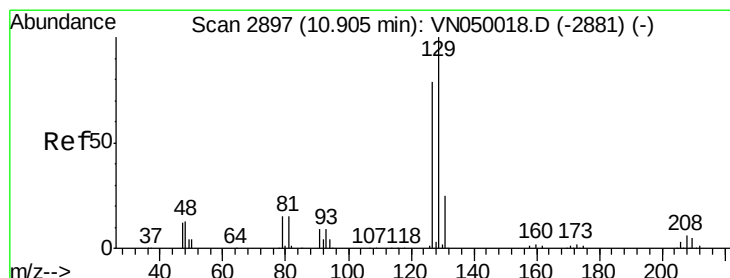
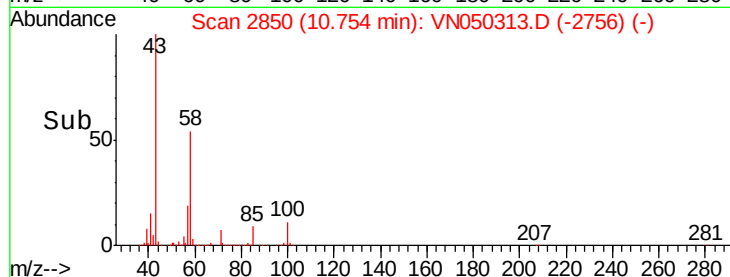
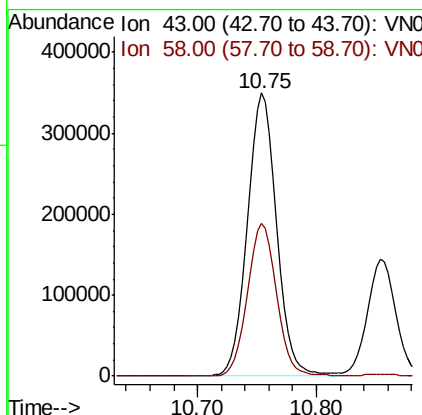
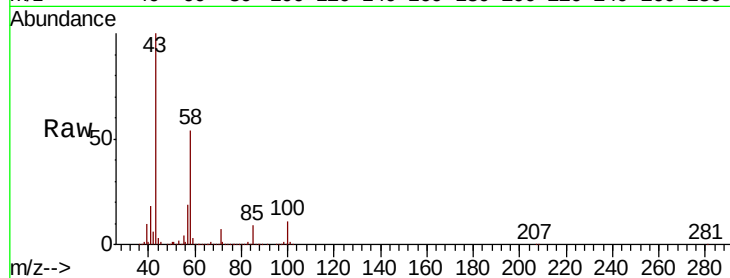




#59
2-Hexanone
Concen: 118.89 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

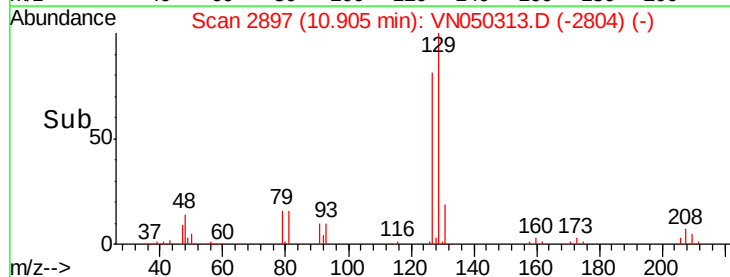
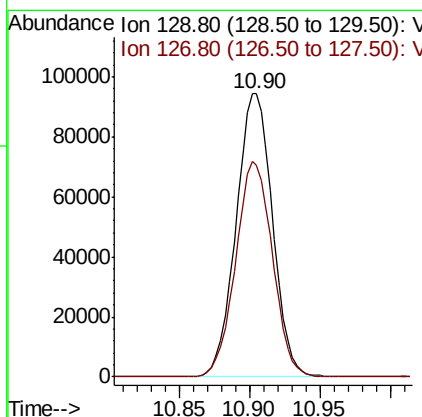
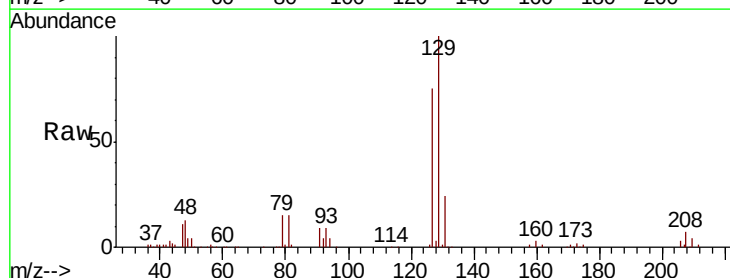
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

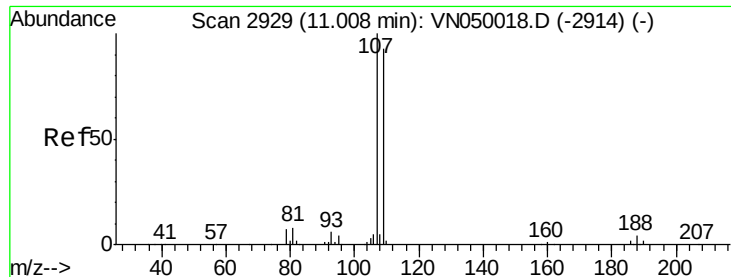
Tot Ion: 43 Resp: 593220
Ion Ratio Lower Upper
43 100
58 53.8 27.6 82.7



#60
Dibromochloromethane
Concen: 21.32 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion: 129 Resp: 170563
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9





#61

1,2-Dibromoethane

Concen: 21.44 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

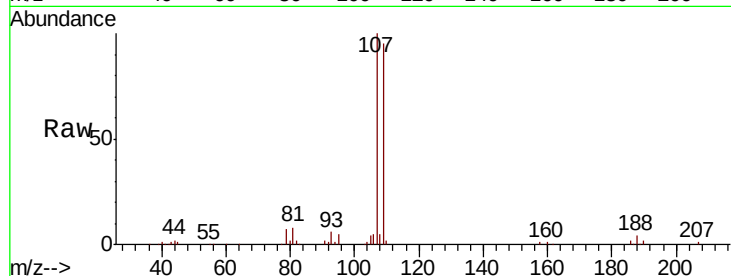
VN0803WBS02

Tot Ion:107 Resp: 153734

Ion Ratio Lower Upper

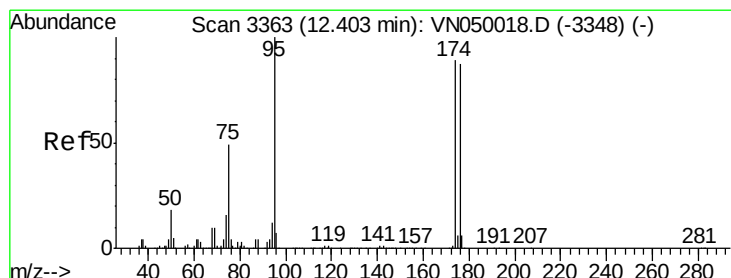
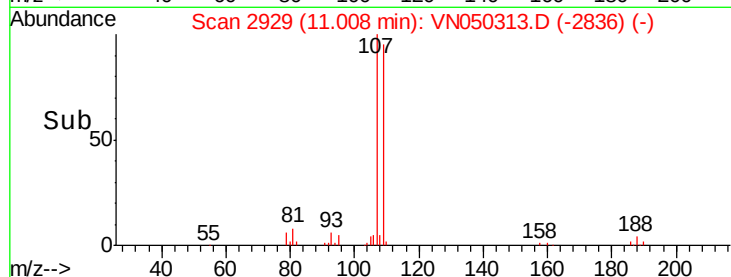
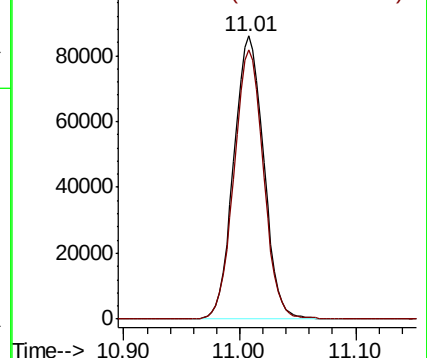
107 100

109 93.6 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.08 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

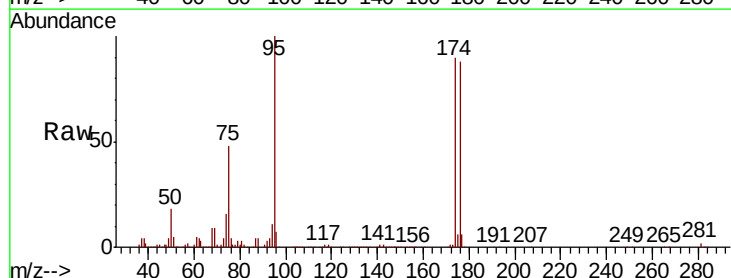
Tgt Ion: 95 Resp: 454616

Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.2

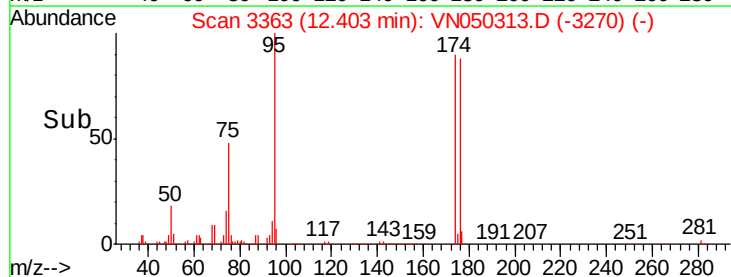
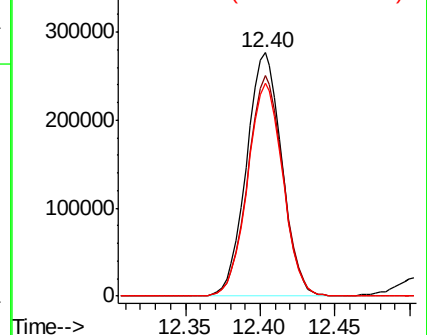
176 87.3 0.0 173.4

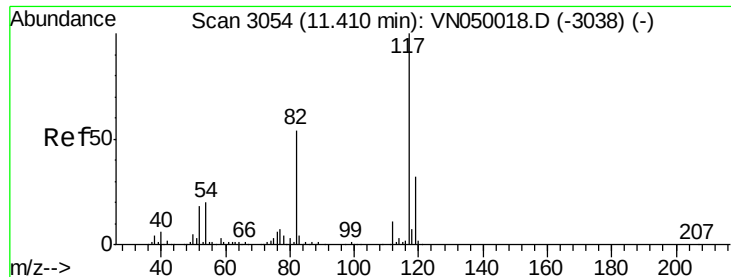


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

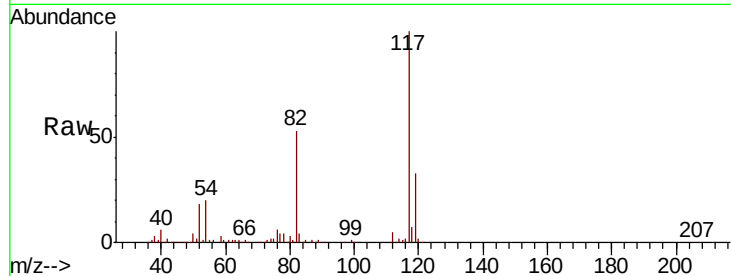




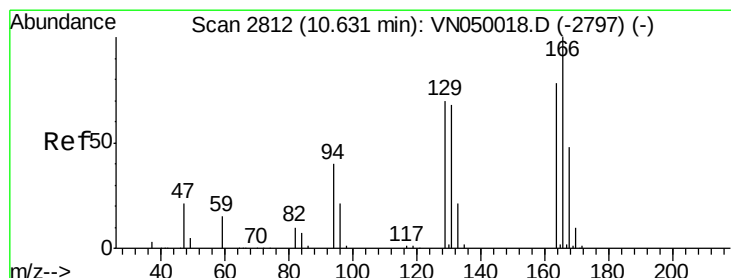
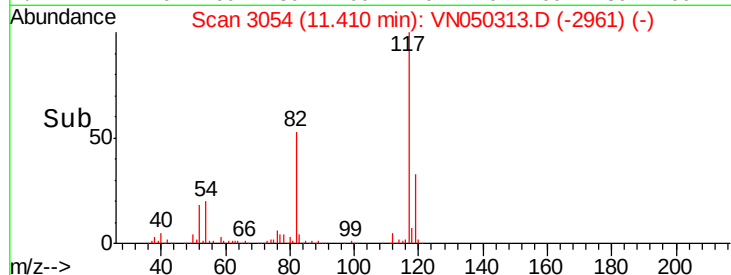
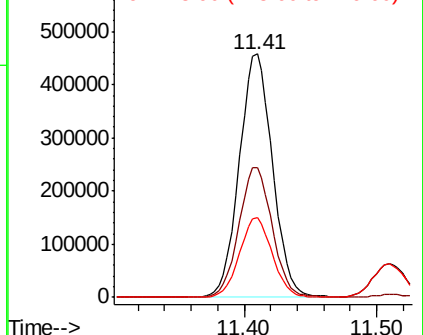
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

Tot Ion:117 Resp: 796201
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 32.6 26.1 39.1

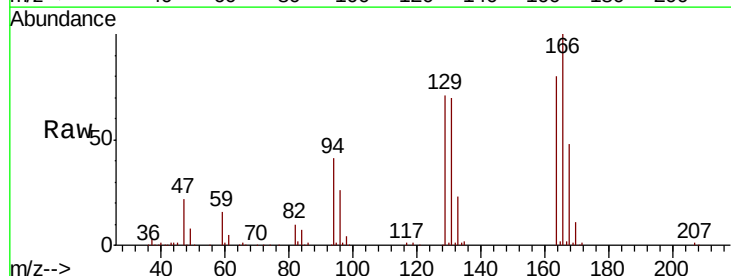


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

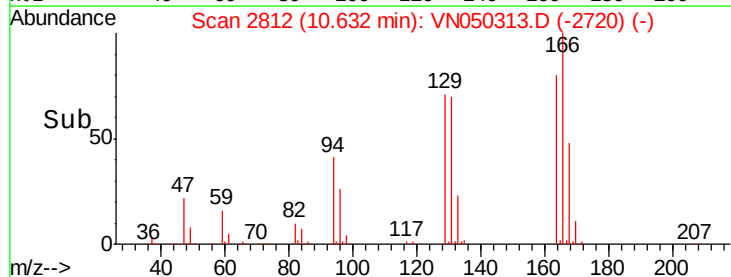
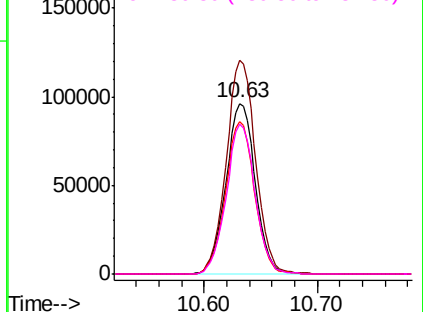


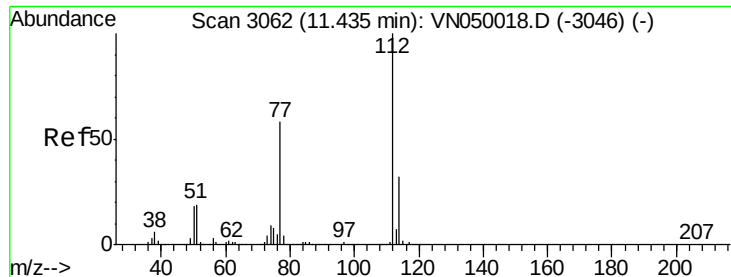
#64
Tetrachloroethene
Concen: 22.62 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion:164 Resp: 173146
Ion Ratio Lower Upper
164 100
166 125.0 102.1 153.1
129 89.2 73.2 109.8
131 88.0 70.6 106.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.00 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

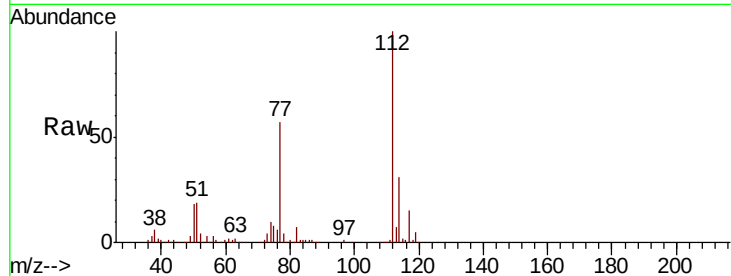
VN0803WBS02

Tot Ion:112 Resp: 422275

Ion Ratio Lower Upper

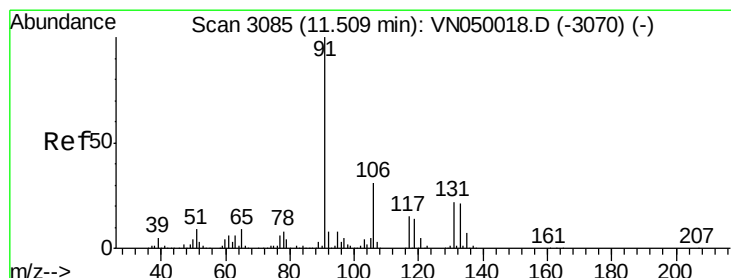
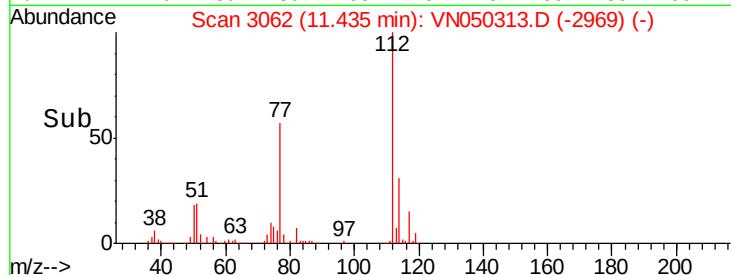
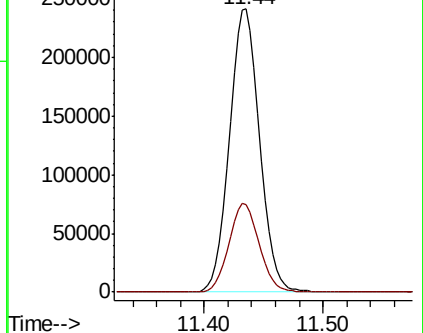
112 100

114 30.9 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.34 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

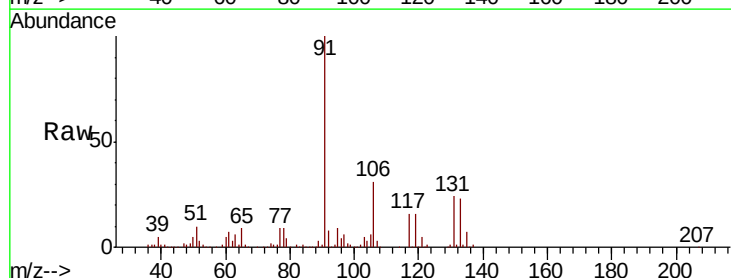
Tgt Ion:131 Resp: 164885

Ion Ratio Lower Upper

131 100

133 94.7 47.3 141.9

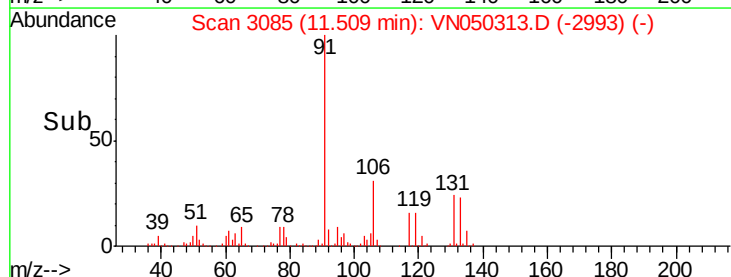
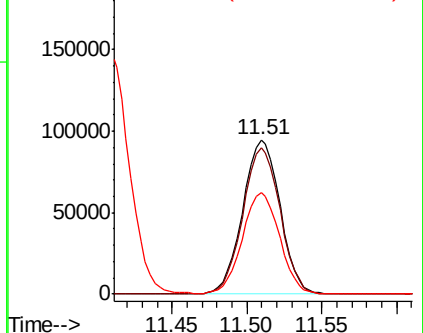
119 65.6 32.9 98.7

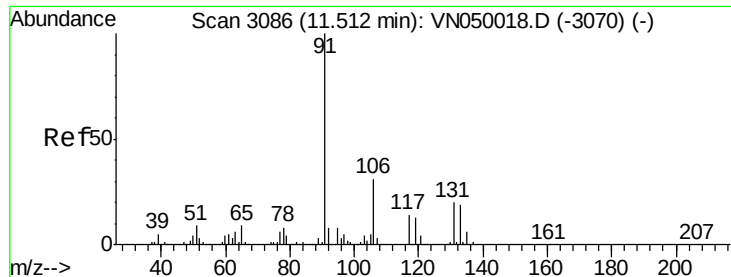


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.25 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

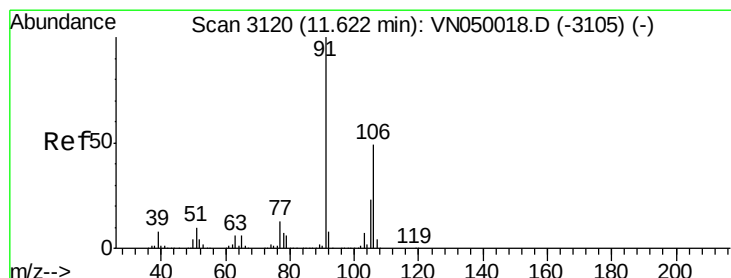
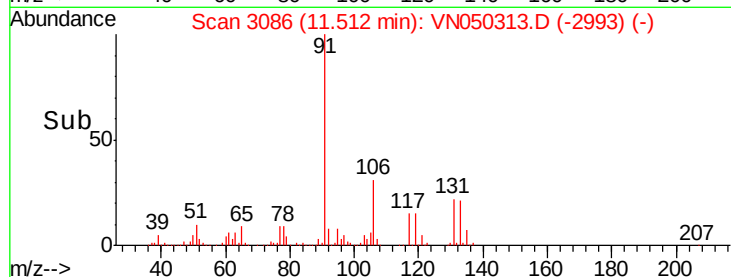
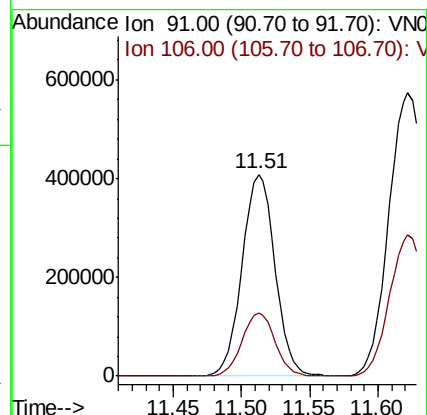
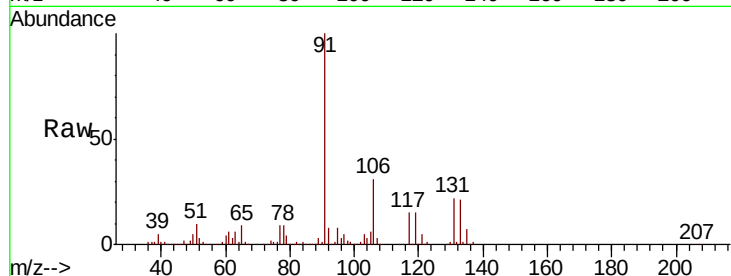
VN0803WBS02

Tot Ion: 91 Resp: 686615

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 44.57 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050313.D

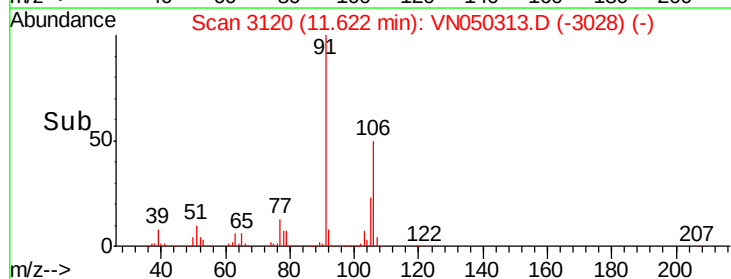
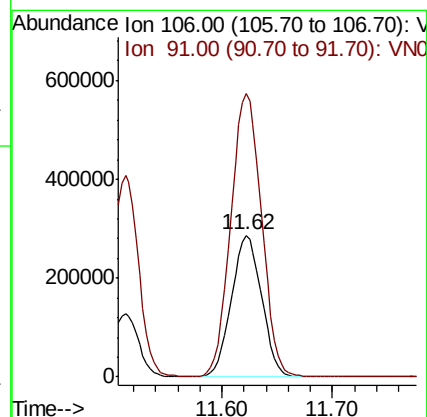
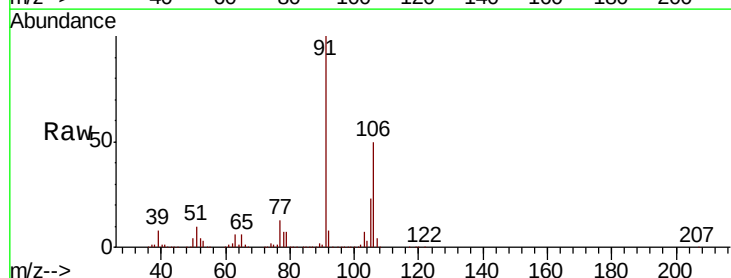
Acq: 3 Aug 2018 15:23

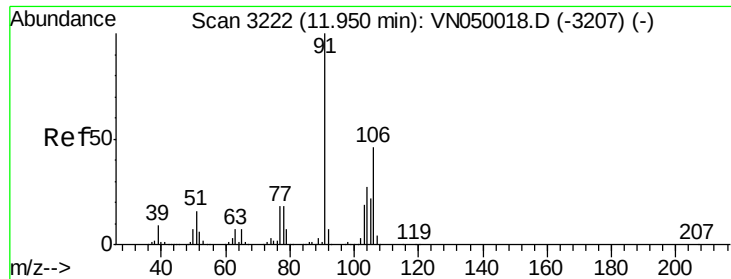
Tgt Ion: 106 Resp: 544643

Ion Ratio Lower Upper

106 100

91 202.9 162.2 243.2

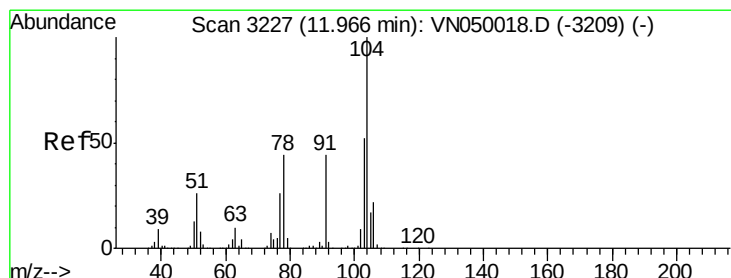
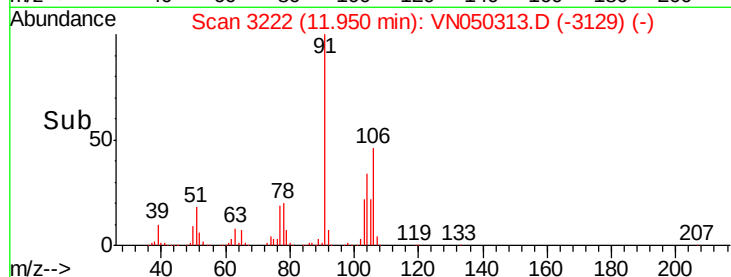
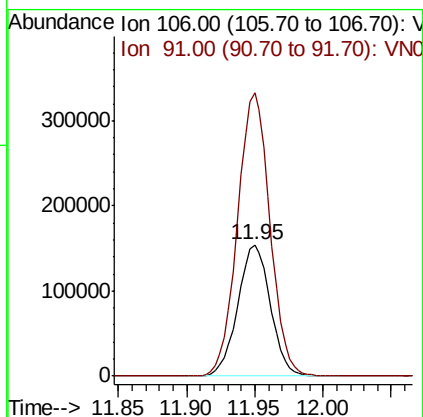
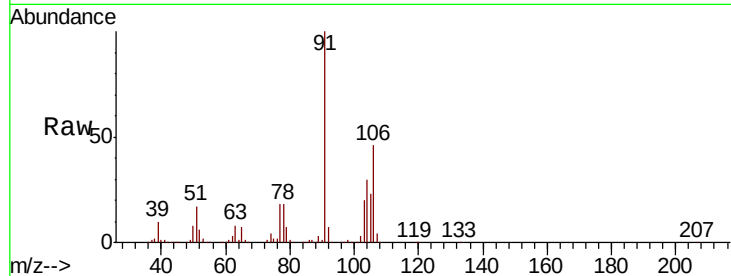




#69
o-Xylene
Concen: 21.95 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

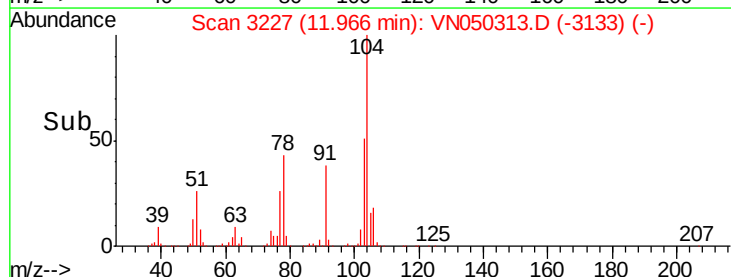
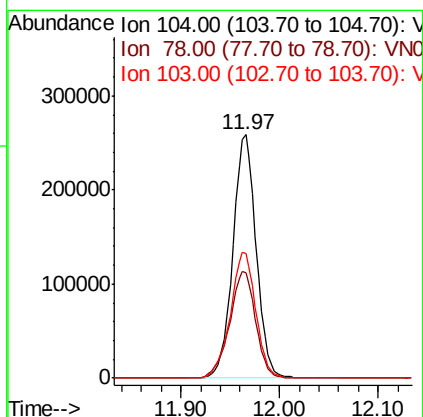
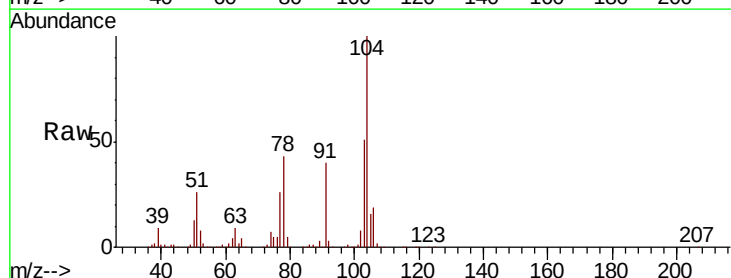
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

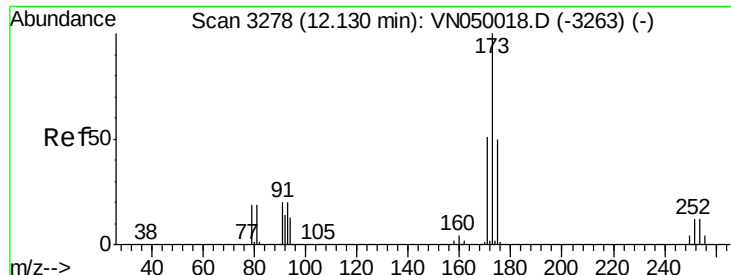
Tot Ion:106 Resp: 255690
Ion Ratio Lower Upper
106 100
91 215.0 107.7 323.1



#70
Styrene
Concen: 21.06 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion:104 Resp: 425008
Ion Ratio Lower Upper
104 100
78 49.0 39.3 58.9
103 56.4 45.0 67.6





#71

Bromoform

Concen: 21.68 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

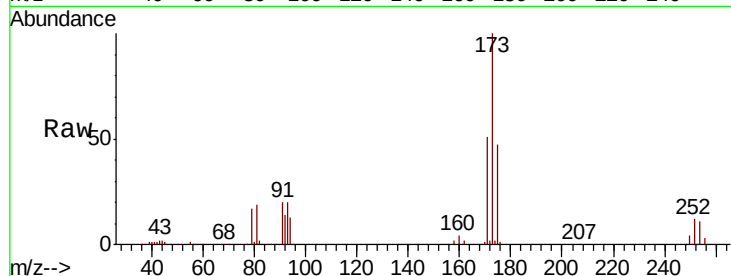
Tot Ion:173 Resp: 121851

Ion Ratio Lower Upper

173 100

175 48.0 24.1 72.2

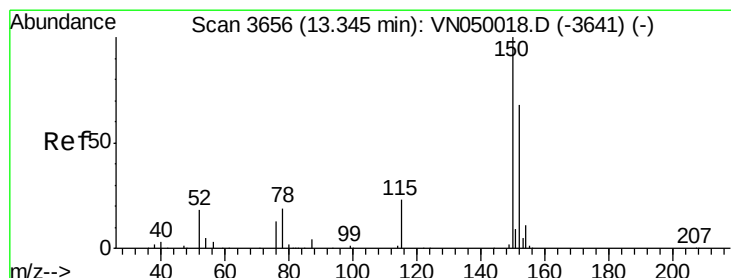
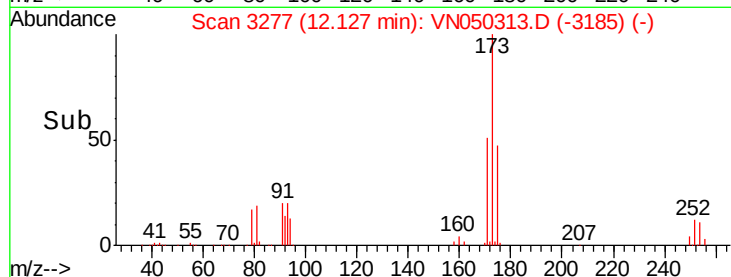
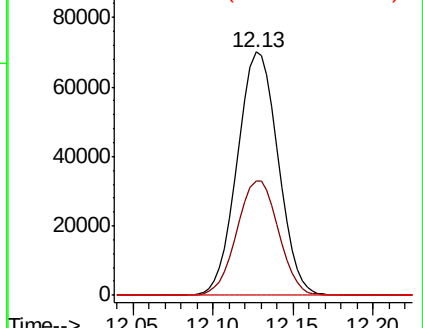
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

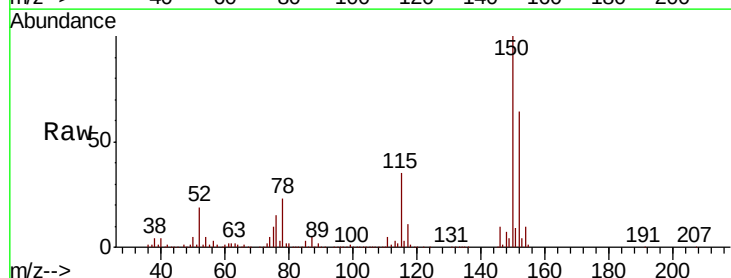
Tgt Ion:152 Resp: 433263

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.3

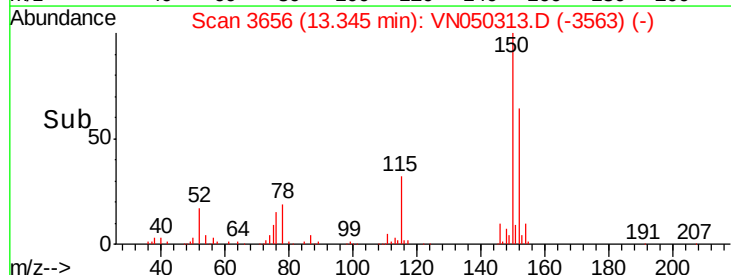
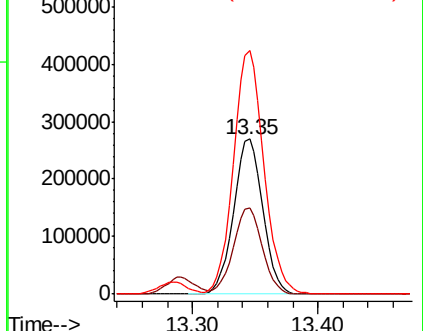
150 164.4 0.0 348.6

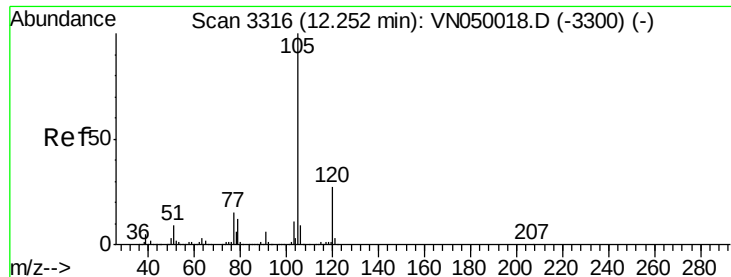


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.49 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

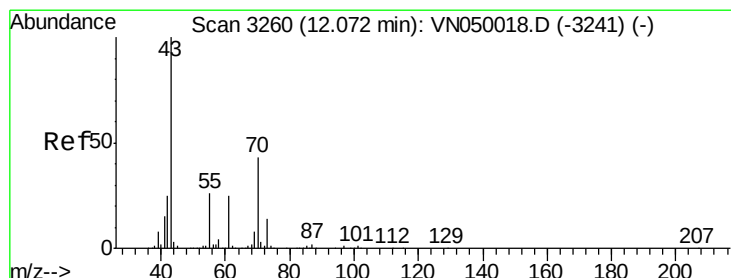
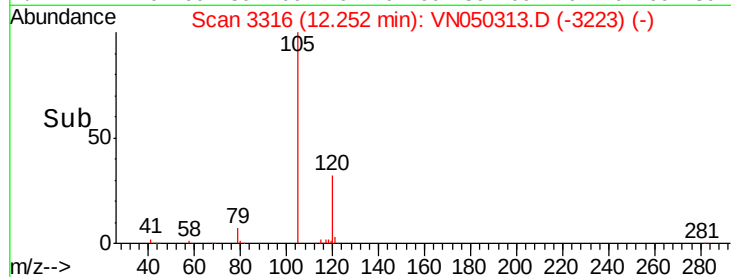
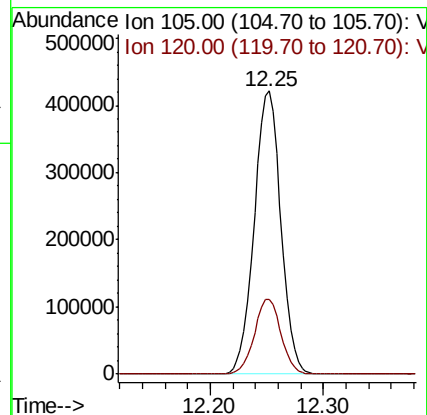
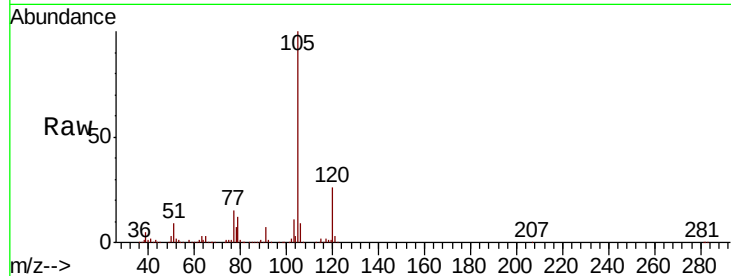
VN0803WBS02

Tot Ion:105 Resp: 688511

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 24.05 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Tgt Ion: 43 Resp: 247009

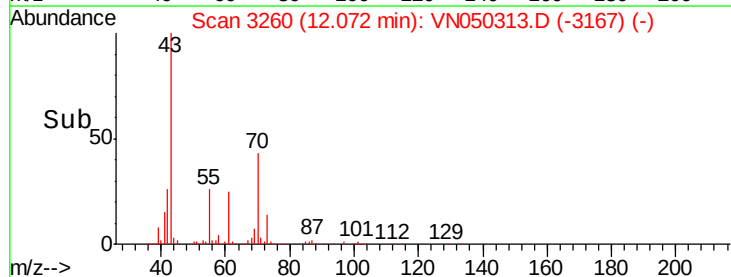
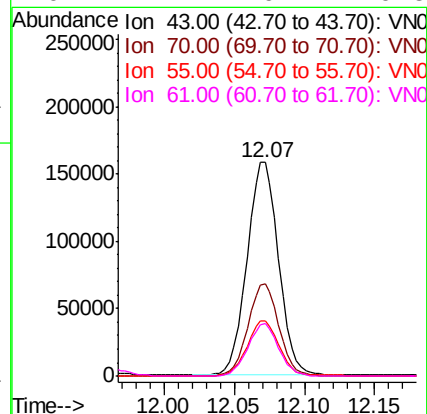
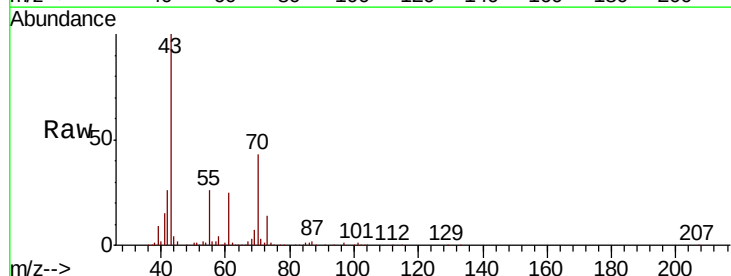
Ion Ratio Lower Upper

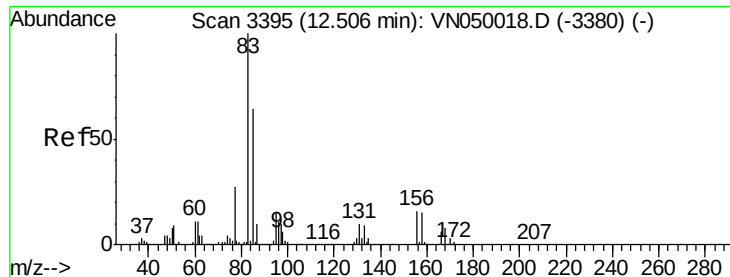
43 100

70 42.4 34.4 51.6

55 26.8 20.8 31.2

61 24.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 23.88 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

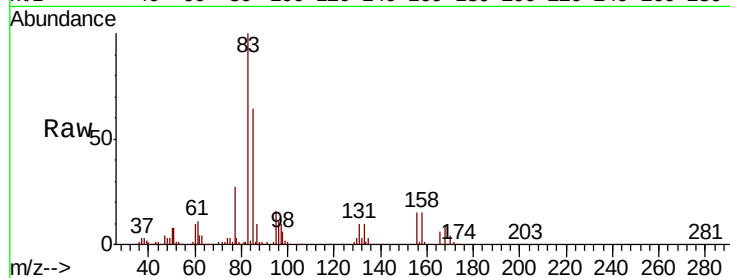
Tot Ion: 83 Resp: 222645

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

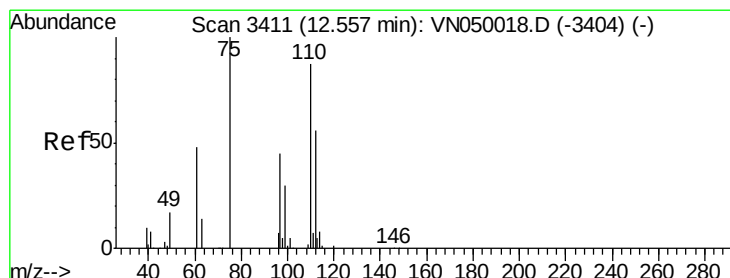
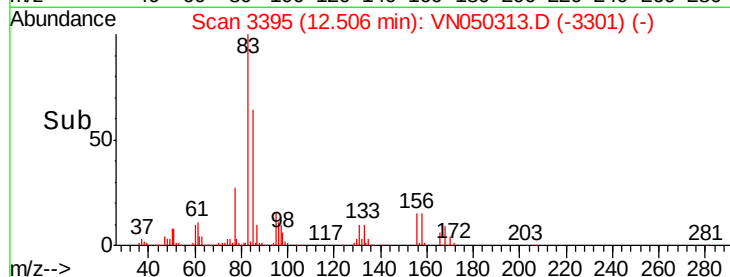
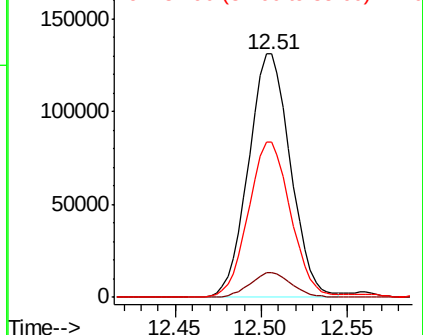
85 64.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN

Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 31.83 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050313.D

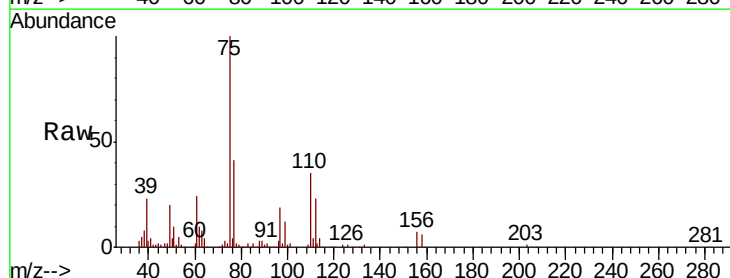
Acq: 3 Aug 2018 15:23

Tgt Ion: 75 Resp: 256313

Ion Ratio Lower Upper

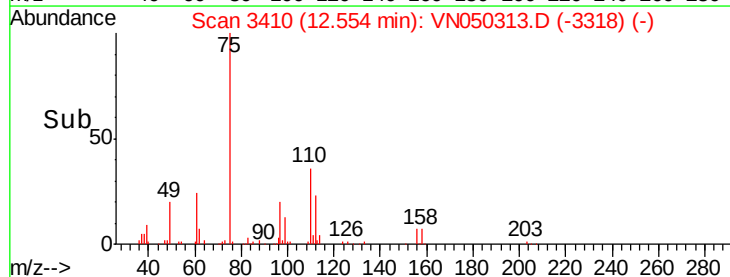
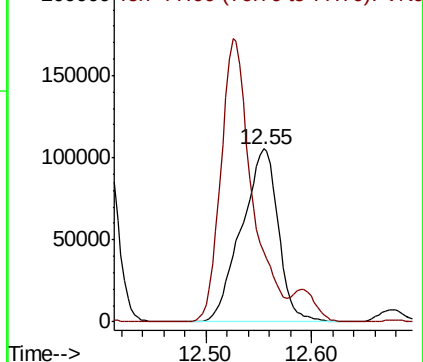
75 100

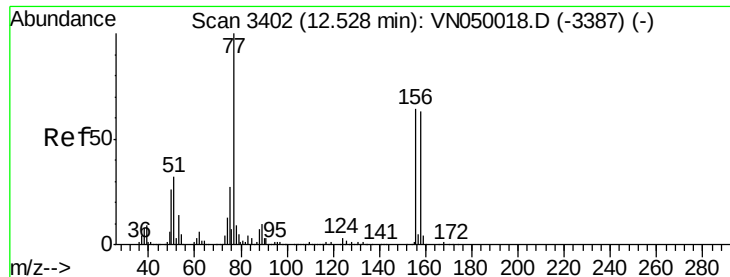
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.08 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

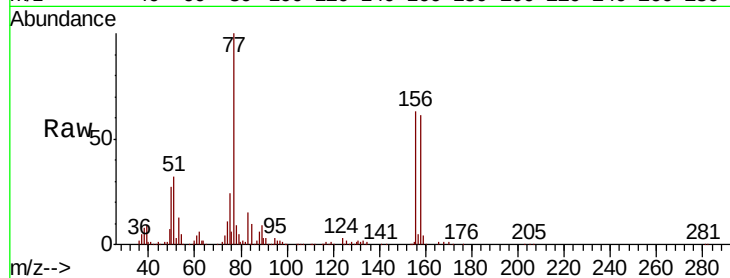
Tot Ion:156 Resp: 186968

Ion Ratio Lower Upper

156 100

77 189.2 91.7 275.1

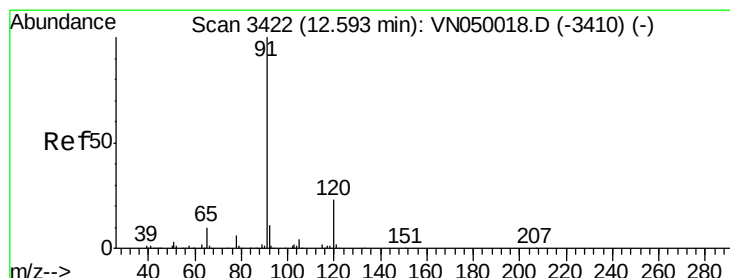
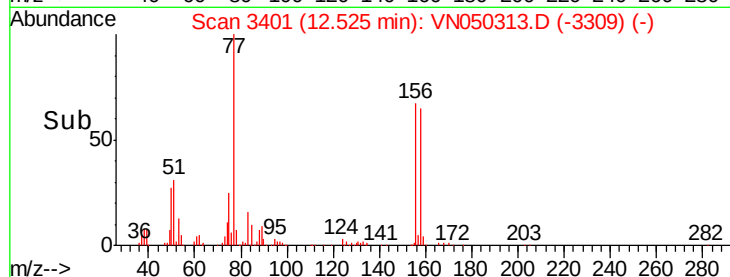
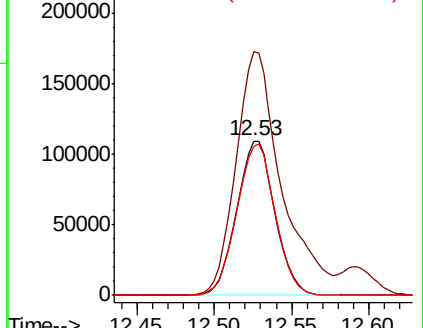
158 98.2 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.42 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050313.D

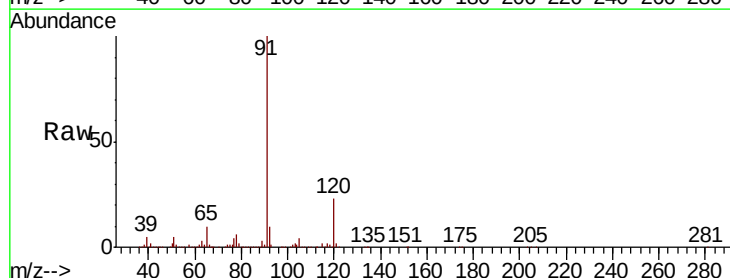
Acq: 3 Aug 2018 15:23

Tgt Ion: 91 Resp: 804676

Ion Ratio Lower Upper

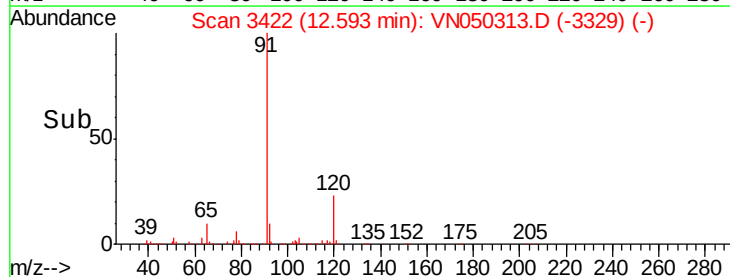
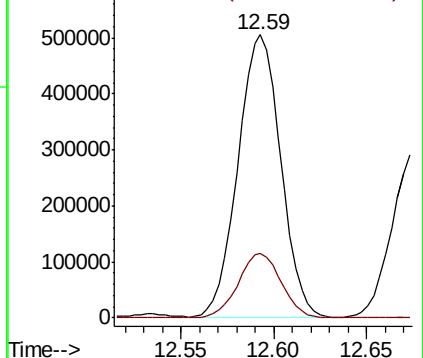
91 100

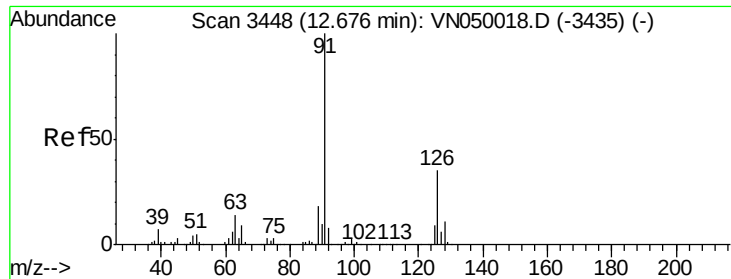
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.03 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

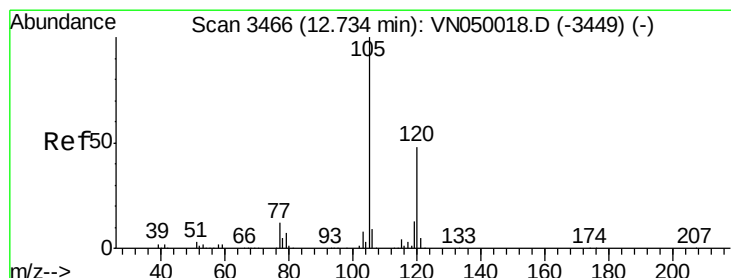
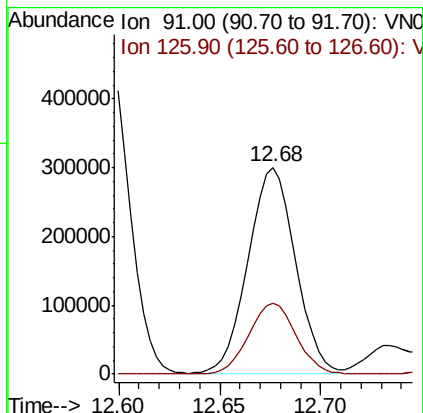
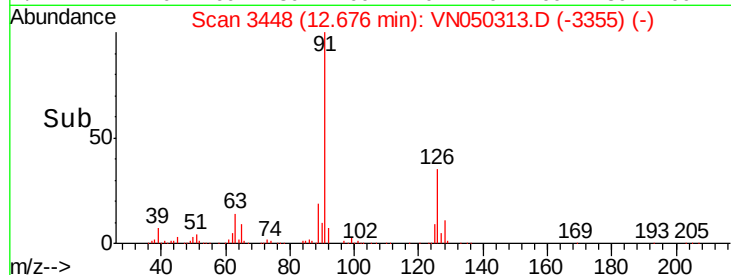
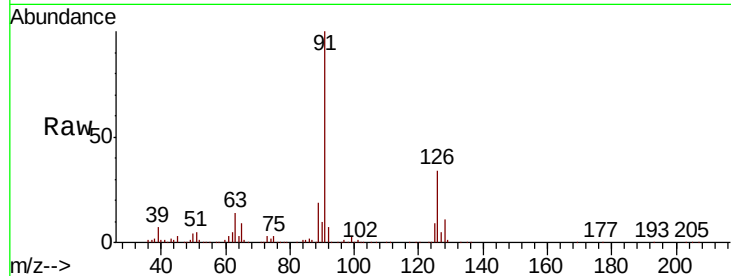
VN0803WBS02

Tot Ion: 91 Resp: 489532

Ion Ratio Lower Upper

91 100

126 34.7 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 22.37 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050313.D

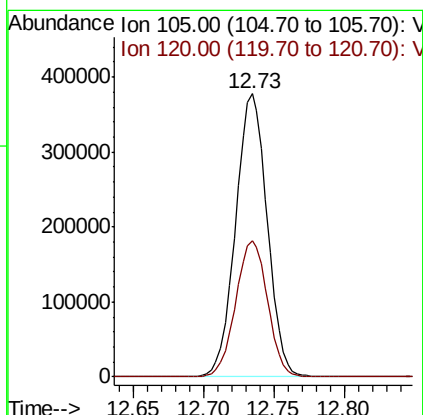
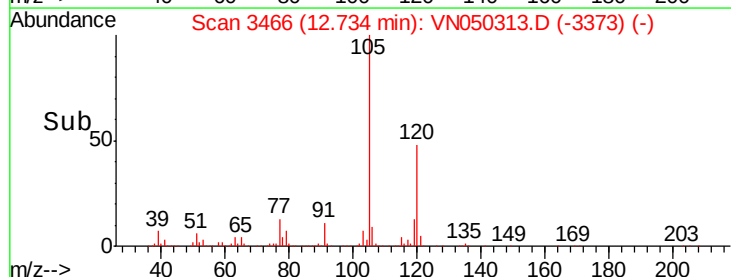
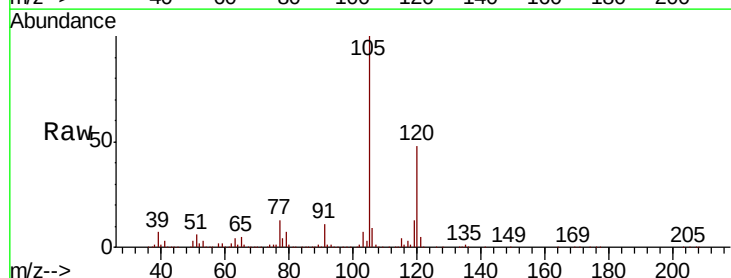
Acq: 3 Aug 2018 15:23

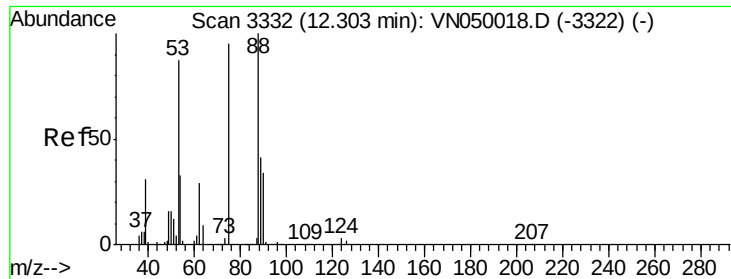
Tgt Ion: 105 Resp: 591212

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.43 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

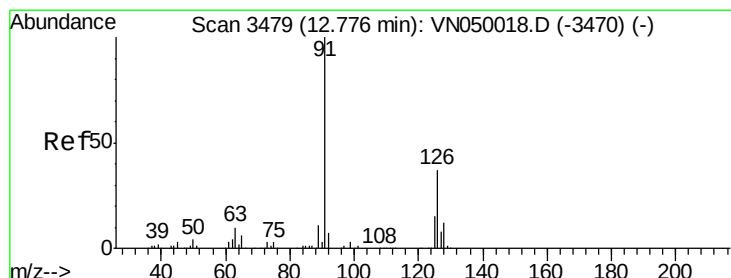
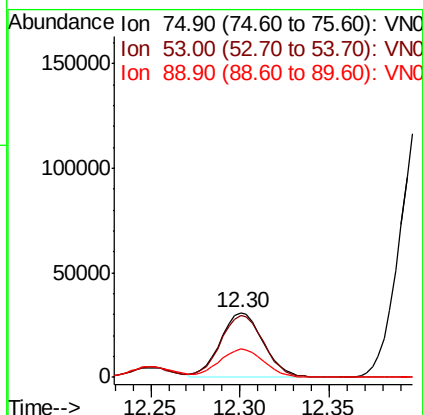
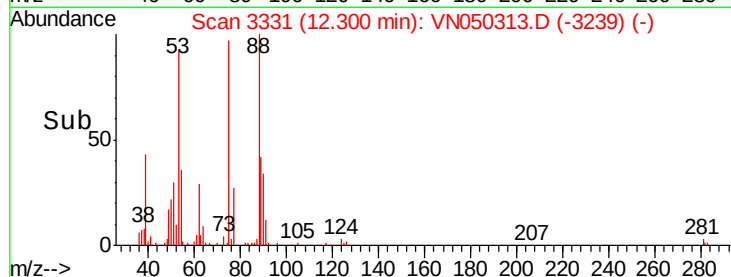
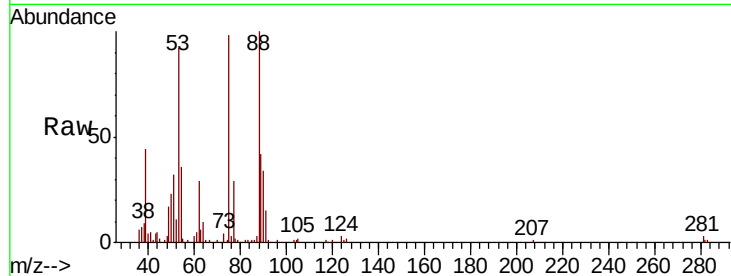
Tot Ion: 75 Resp: 51870

Ion Ratio Lower Upper

75 100

53 94.9 73.5 110.3

89 45.4 36.0 54.0



#82

4-Chlorotoluene

Concen: 21.84 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050313.D

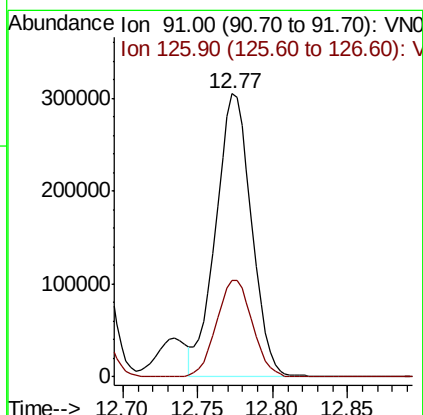
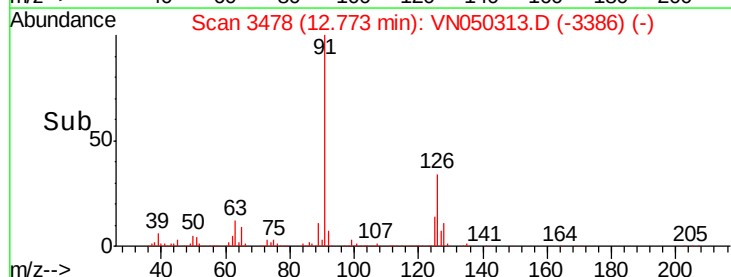
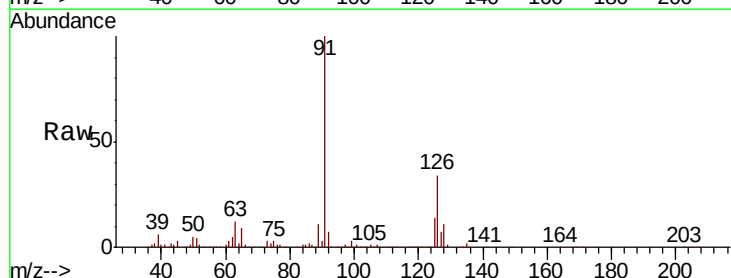
Acq: 3 Aug 2018 15:23

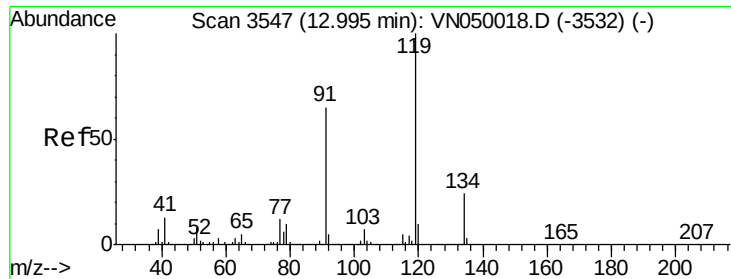
Tgt Ion: 91 Resp: 503506

Ion Ratio Lower Upper

91 100

126 34.6 17.0 51.0

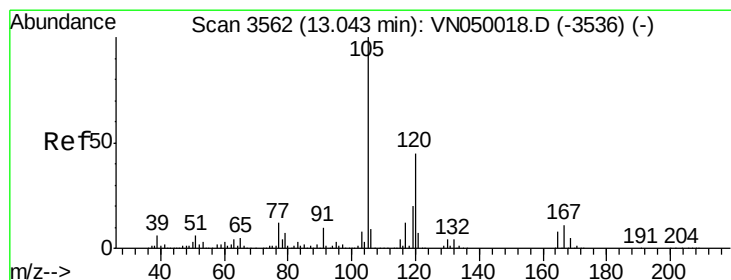
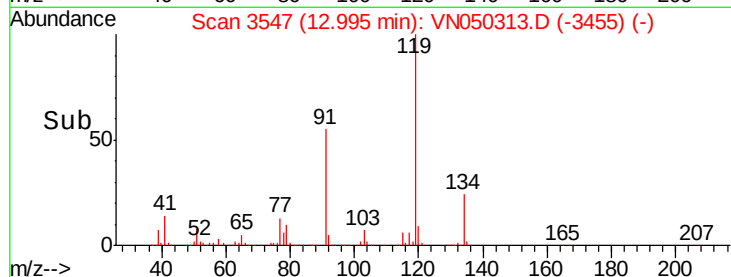
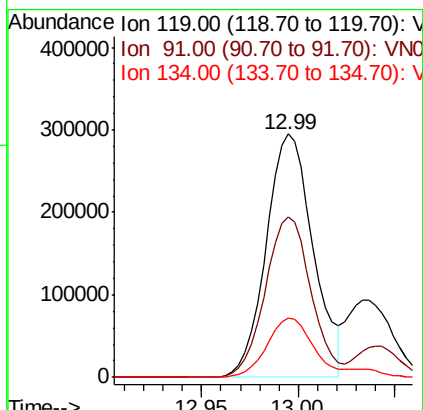
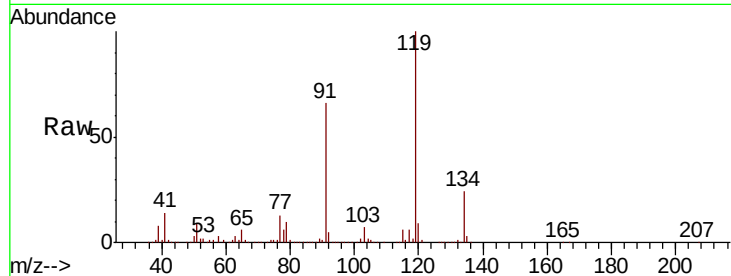




#83
 tert-Butylbenzene
 Concen: 21.68 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

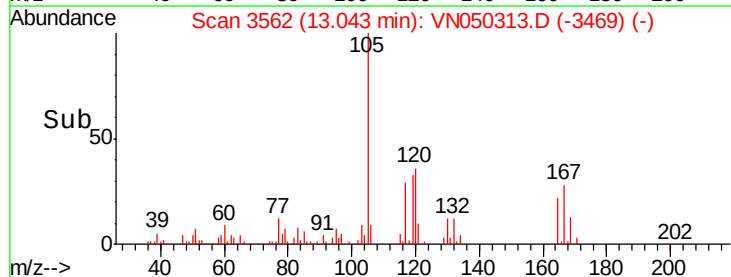
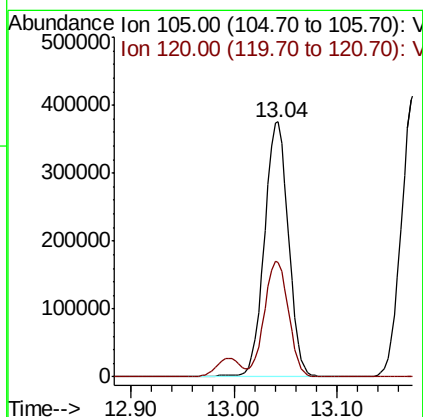
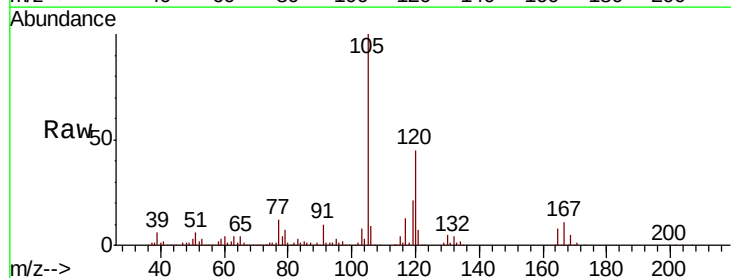
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

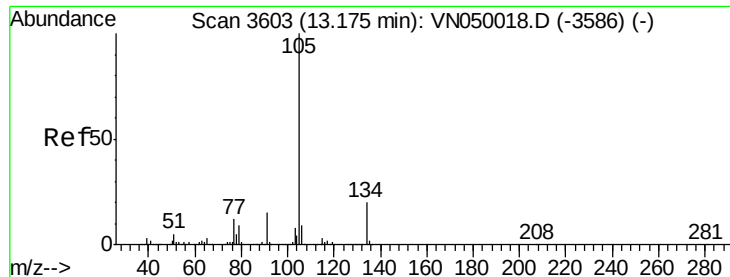
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.1	96.3
134	23.9	13.2	39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.73 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.9	68.7





#85

sec-Butylbenzene

Concen: 21.46 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

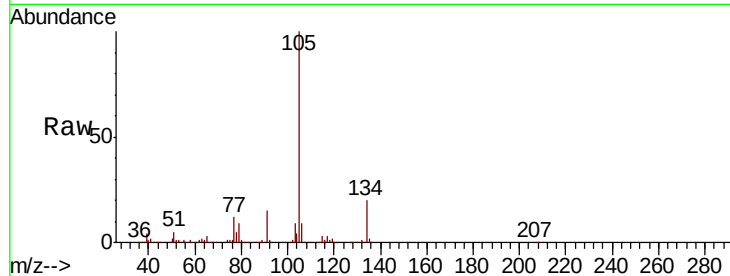
VN0803WBS02

Tot Ion:105 Resp: 661418

Ion Ratio Lower Upper

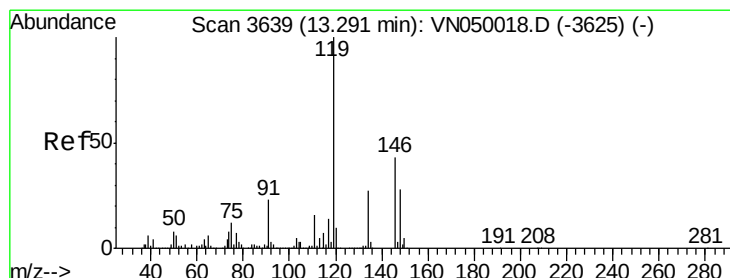
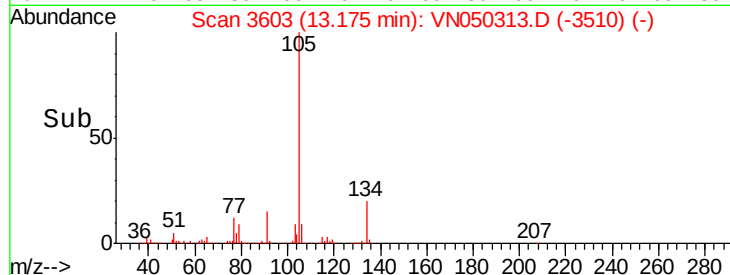
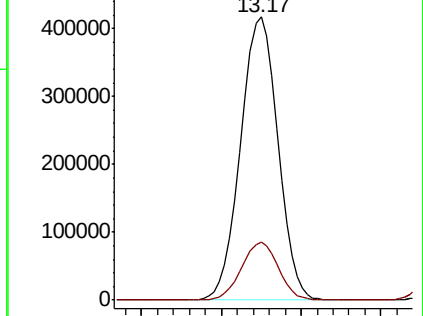
105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.05 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

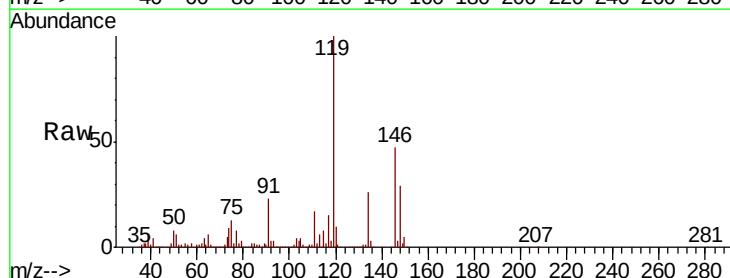
Tgt Ion:119 Resp: 572518

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

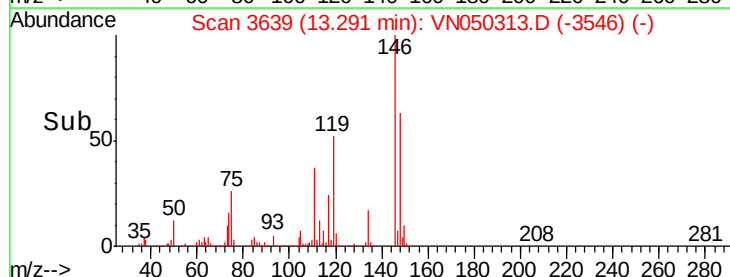
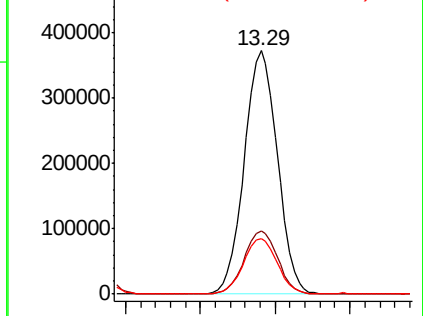
91 23.1 11.4 34.2

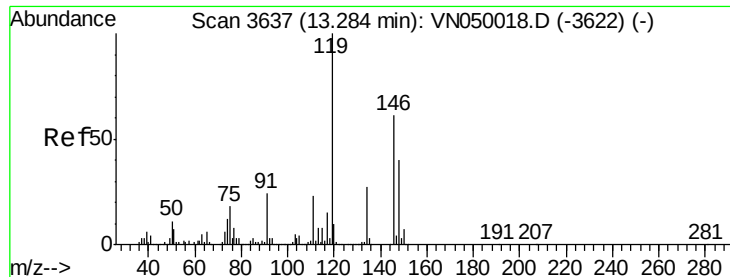


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

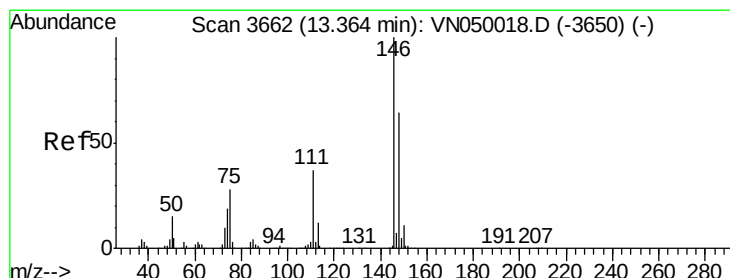
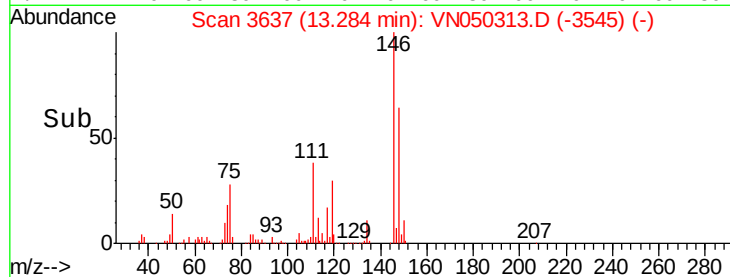
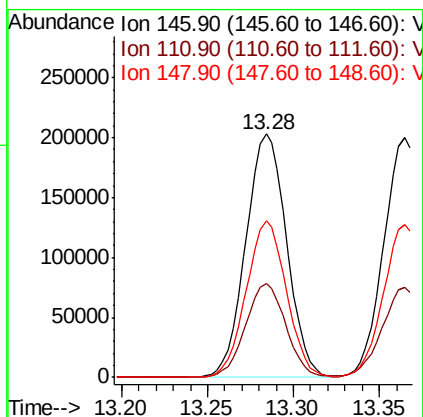
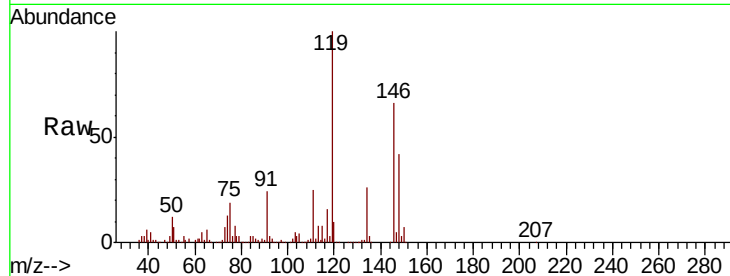




#87
 1,3-Dichlorobenzene
 Concen: 21.21 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

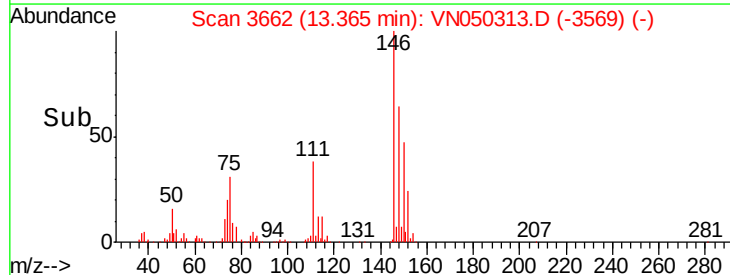
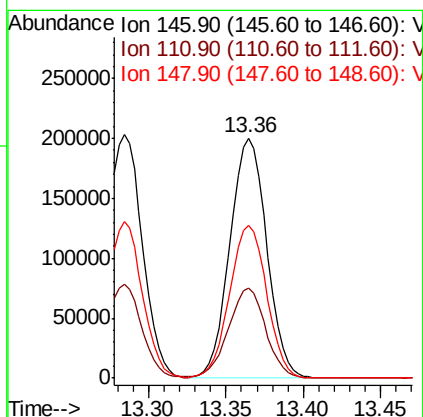
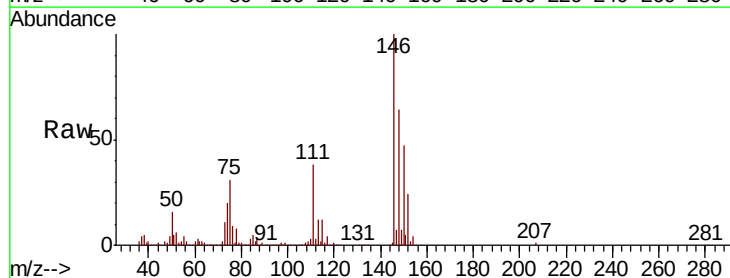
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

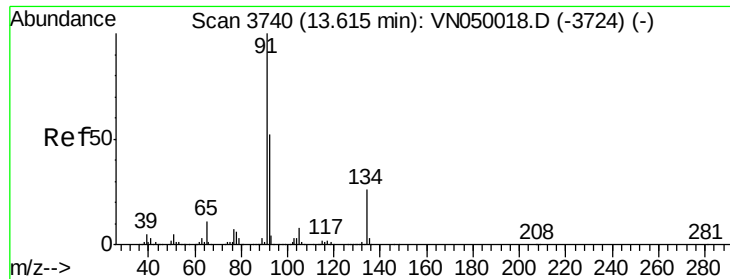
Tot Ion:146 Resp: 334778
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.4
 148 63.3 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.47 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion:146 Resp: 330375
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.3 54.9
 148 64.3 31.9 95.9

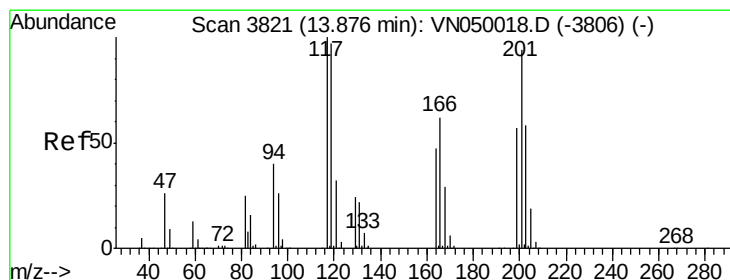
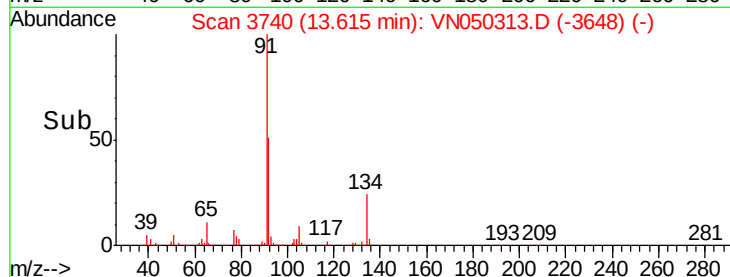
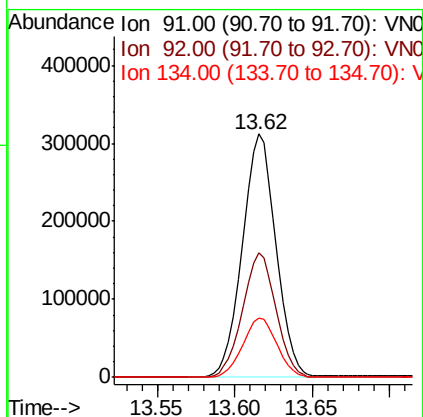
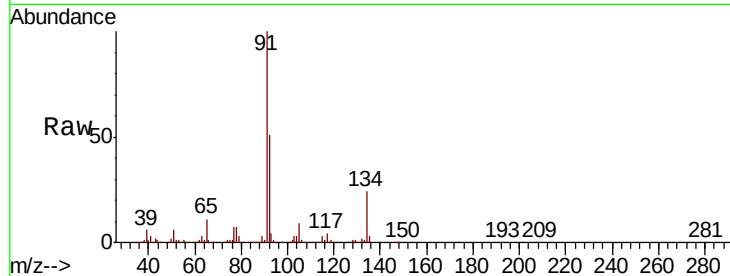




#89
n-Butylbenzene
Concen: 22.09 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

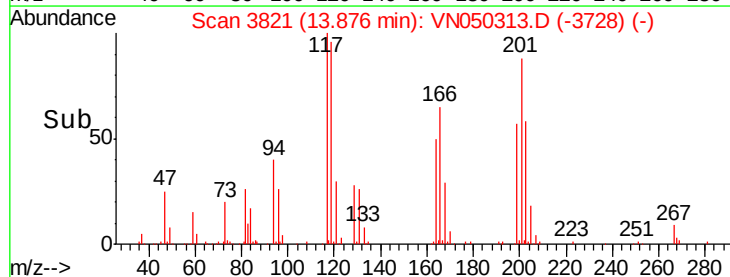
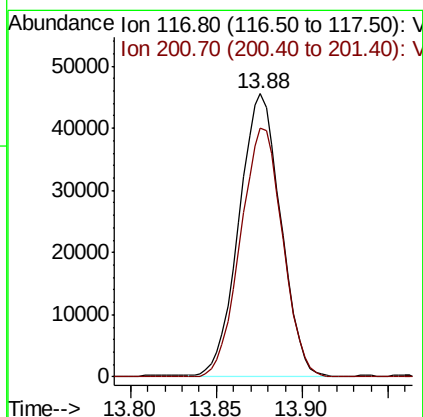
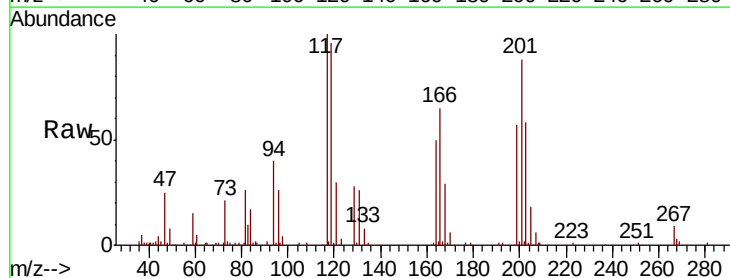
Instrument :
MSVOA_N
ClientSampled :
VN0803WBS02

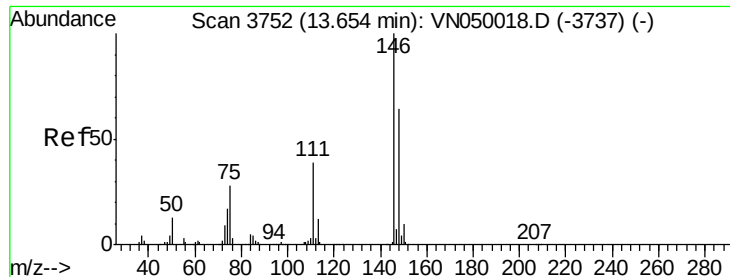
Tot Ion: 91 Resp: 471698
Ion Ratio Lower Upper
91 100
92 50.9 25.8 77.4
134 24.8 12.8 38.4



#90
Hexachloroethane
Concen: 13.38 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion: 117 Resp: 77162
Ion Ratio Lower Upper
117 100
201 88.3 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 21.17 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS02

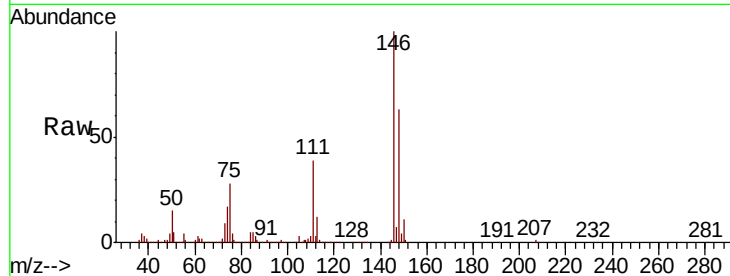
Tot Ion:146 Resp: 334090

Ion Ratio Lower Upper

146 100

111 38.9 19.6 58.7

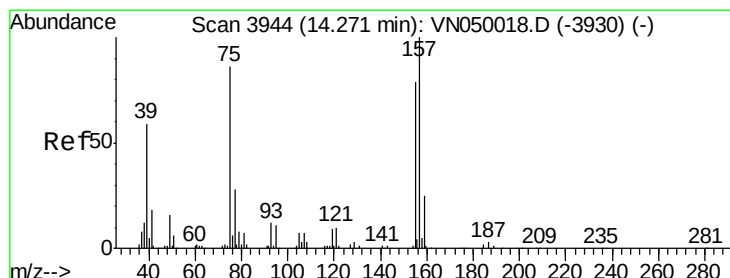
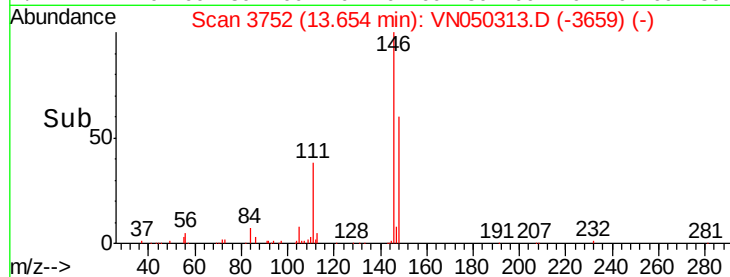
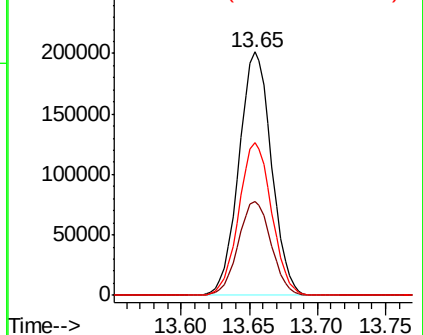
148 63.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.65 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

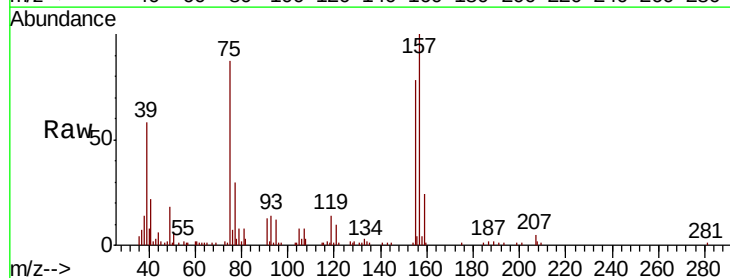
Tgt Ion: 75 Resp: 37522

Ion Ratio Lower Upper

75 100

155 88.4 44.8 134.4

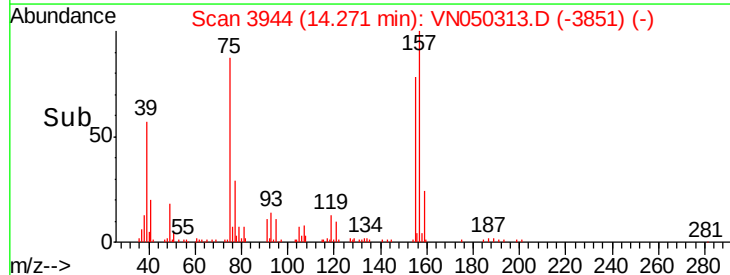
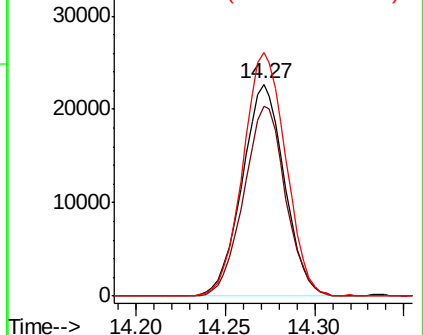
157 116.2 57.2 171.6

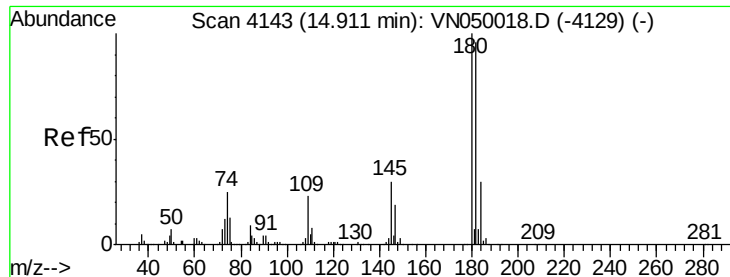


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

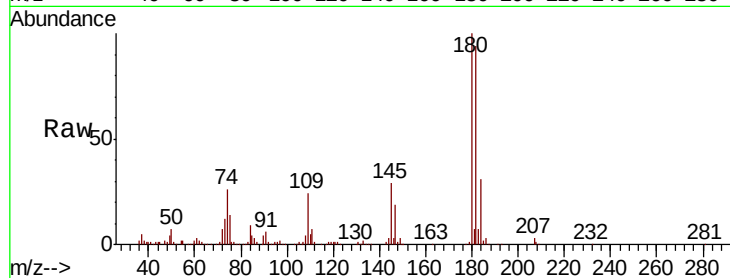




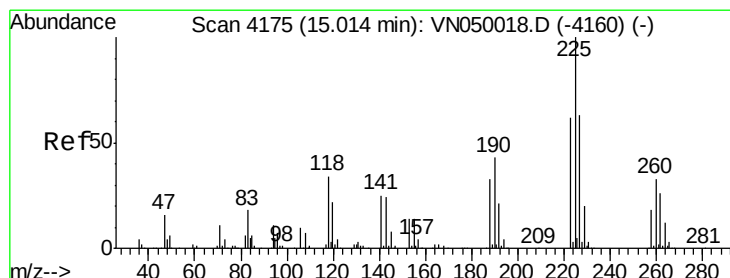
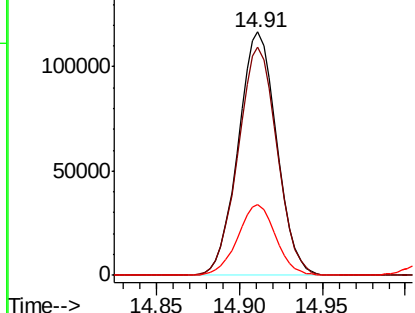
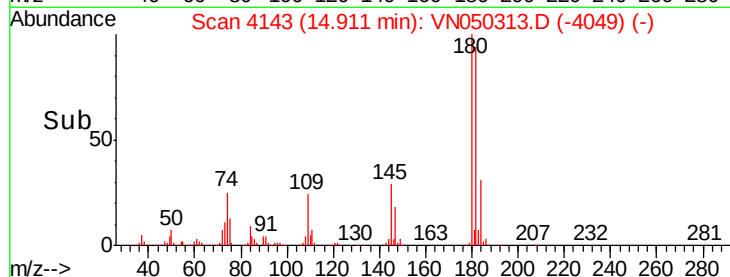
#93
 1,2,4-Trichlorobenzene
 Concen: 24.21 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

Tot Ion:180 Resp: 188447
 Ion Ratio Lower Upper
 180 100
 182 94.8 46.7 140.1
 145 28.7 13.8 41.4

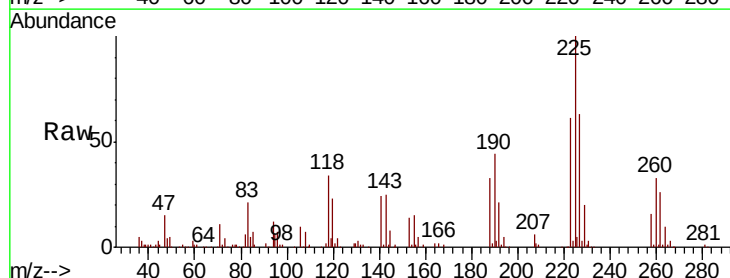


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

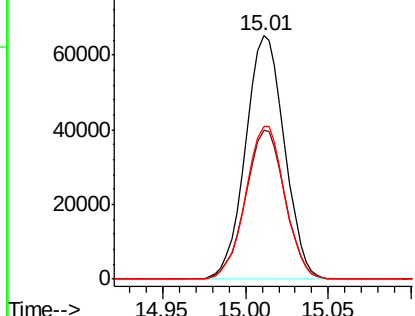
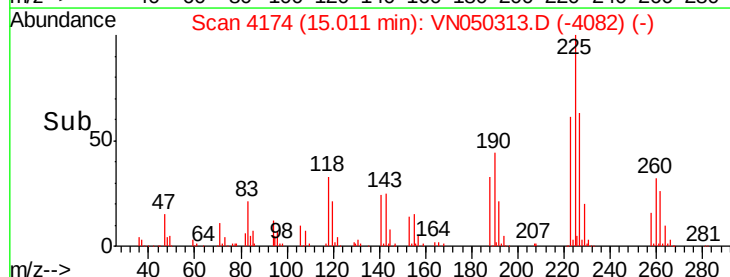


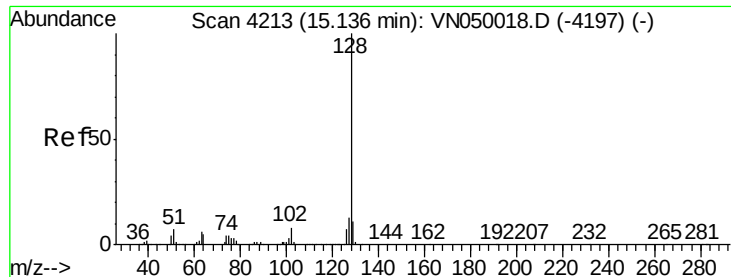
#94
 Hexachlorobutadiene
 Concen: 21.97 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion:225 Resp: 106142
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.4 94.2
 227 63.2 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 27.07 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

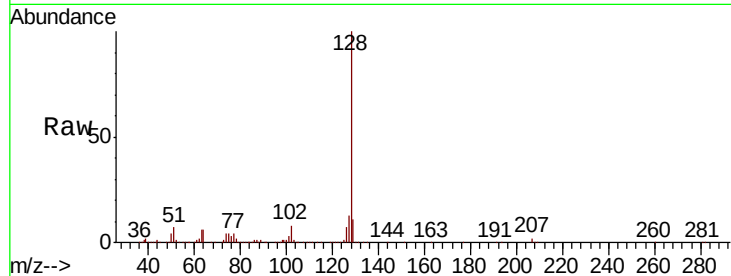
Tot Ion:128 Resp: 491752

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

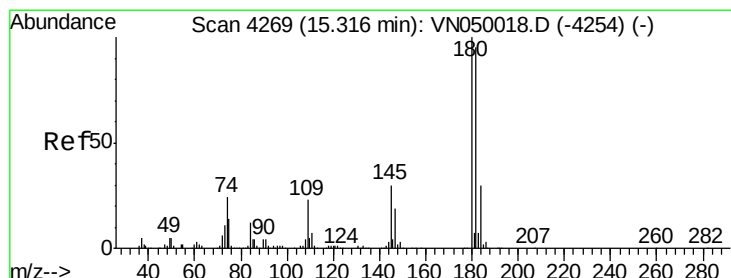
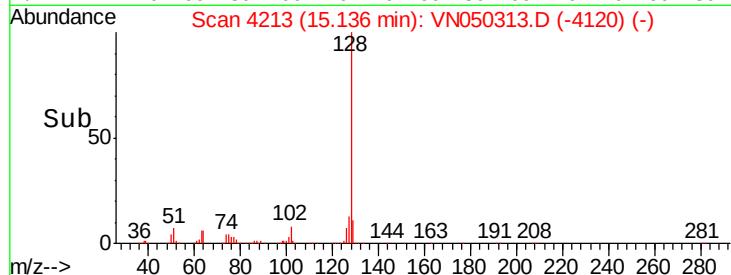
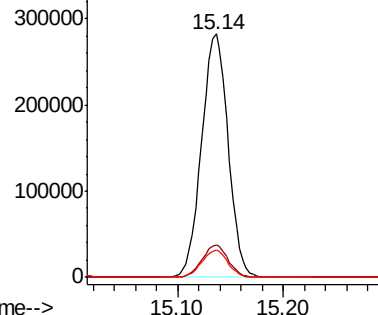
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 24.31 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

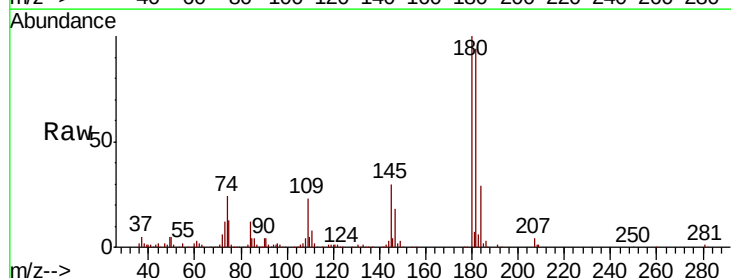
Tgt Ion:180 Resp: 188480

Ion Ratio Lower Upper

180 100

182 94.9 48.1 144.4

145 30.2 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

