

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013019\
 Data File : VN053570.D
 Acq On : 30 Jan 2019 14:34
 Operator : JC/SP
 Sample : VN0130WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBSD01

Quant Time: Jan 31 06:15:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 31 05:27:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	703692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1093408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	956311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	448183	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	362572	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
35) Dibromofluoromethane	7.59	113	343850	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	10.09	98	1278924	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.40	95	421891	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	165949	21.115	ug/l	98
3) Chloromethane	2.06	50	178342	21.347	ug/l	99
4) Vinyl Chloride	2.19	62	171845	21.190	ug/l	100
5) Bromomethane	2.57	94	111461	21.020	ug/l	97
6) Chloroethane	2.71	64	96269	20.773	ug/l	98
7) Trichlorofluoromethane	3.02	101	227066	20.647	ug/l	100
8) Diethyl Ether	3.41	74	84244	20.975	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	139604	20.526	ug/l	99
10) Methyl Iodide	3.96	142	207665	19.453	ug/l	100
11) Tert butyl alcohol	4.79	59	47680	114.124	ug/l	98
12) 1,1-Dichloroethene	3.74	96	136479	20.944	ug/l	98
13) Acrolein	3.61	56	33262	209.394	ug/l	100
14) Allyl chloride	4.33	41	214761	20.699	ug/l	99
15) Acrylonitrile	4.99	53	252801	112.084	ug/l	99
16) Acetone	3.82	43	195725	108.090	ug/l	100
17) Carbon Disulfide	4.06	76	405924	20.006	ug/l	99
18) Methyl Acetate	4.33	43	113150	21.100	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	358097	21.678	ug/l	98
20) Methylene Chloride	4.55	84	154043	20.277	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	143510	20.413	ug/l	97
22) Diisopropyl ether	5.96	45	410169	21.335	ug/l	97
23) Vinyl Acetate	5.90	43	1467416	110.337	ug/l	98
24) 1,1-Dichloroethane	5.85	63	263126	20.520	ug/l	100
25) 2-Butanone	6.84	43	280824	108.740	ug/l	99
26) 2,2-Dichloropropane	6.82	77	193202	19.738	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	163285	20.887	ug/l	98
28) Bromochloromethane	7.20	49	108806	19.553	ug/l	96
29) Tetrahydrofuran	7.21	42	188551	113.700	ug/l	97
30) Chloroform	7.37	83	259709	20.432	ug/l	99
31) Cyclohexane	7.66	56	242666	20.225	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	216868	20.501	ug/l	99
36) 1,1-Dichloropropene	7.79	75	201922	20.486	ug/l	99
37) Ethyl Acetate	6.93	43	125997	22.888	ug/l	98
38) Carbon Tetrachloride	7.78	117	192037	19.341	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	229924	19.662	ug/l	99
40) Benzene	8.04	78	612301	20.145	ug/l	99
41) Methacrylonitrile	7.17	41	60455	19.650	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	178070	19.731	ug/l	98
43) Isopropyl Acetate	8.17	43	223534	21.027	ug/l #	86
44) Trichloroethene	8.84	130	163225	18.863	ug/l	98
45) 1,2-Dichloropropane	9.12	63	158650	20.407	ug/l	100
46) Dibromomethane	9.21	93	94779	20.224	ug/l	98
47) Bromodichloromethane	9.40	83	192670	19.773	ug/l	98
48) Methyl methacrylate	9.20	41	98655	19.441	ug/l	91
49) 1,4-Dioxane	9.20	88	30333	435.487	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	587647	112.488	ug/l	99
52) Toluene	10.16	92	366924	20.341	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	191391	19.616	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	227985	19.719	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	137965	21.225	ug/l	99
56) Ethyl methacrylate	10.43	69	161163	20.958	ug/l	99
57) 1,3-Dichloropropane	10.71	76	227946	20.519	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	452648	99.883	ug/l	99
59) 2-Hexanone	10.75	43	373947	105.441	ug/l	99
60) Dibromochloromethane	10.90	129	148895	20.313	ug/l	100
61) 1,2-Dibromoethane	11.01	107	128387	19.955	ug/l	99
64) Tetrachloroethene	10.63	164	159097	19.408	ug/l	98
65) Chlorobenzene	11.44	112	395489	19.470	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	140242	19.769	ug/l	100
67) Ethyl Benzene	11.51	91	662358	19.850	ug/l	98
68) m/p-Xylenes	11.62	106	519504	40.792	ug/l	99
69) o-Xylene	11.95	106	250878	20.391	ug/l	98
70) Styrene	11.97	104	406976	20.408	ug/l	99
71) Bromoform	12.13	173	101821	20.935	ug/l #	97
73) Isopropylbenzene	12.25	105	646977	20.535	ug/l	100
74) N-amyl acetate	12.07	43	161378	21.300	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	158708	21.048	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	194104	33.718	ug/l #	100
77) Bromobenzene	12.53	156	172948	20.368	ug/l	99
78) n-propylbenzene	12.59	91	744914	20.452	ug/l	100
79) 2-Chlorotoluene	12.68	91	445287	20.607	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	553704	21.193	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42114	20.571	ug/l	99
82) 4-Chlorotoluene	12.77	91	453548	20.455	ug/l	99
83) tert-Butylbenzene	12.99	119	478734	20.732	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	559730	21.028	ug/l	99
85) sec-Butylbenzene	13.17	105	654113	20.816	ug/l	100
86) p-Isopropyltoluene	13.29	119	568141	20.673	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	304035	19.918	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	296568	19.641	ug/l	99
89) n-Butylbenzene	13.62	91	471611	19.826	ug/l	99
90) Hexachloroethane	13.88	117	89280	19.695	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	299098	20.468	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23069	21.467	ug/l	97

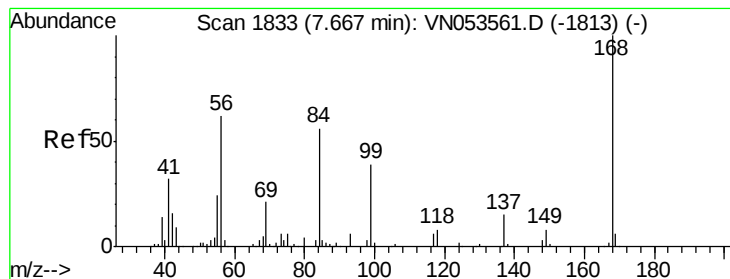
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013019\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	170717	20.369	ug/l	100
94) Hexachlorobutadiene	15.01	225	104920	20.102	ug/l	99
95) Naphthalene	15.13	128	376036	20.173	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	164030	21.093	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

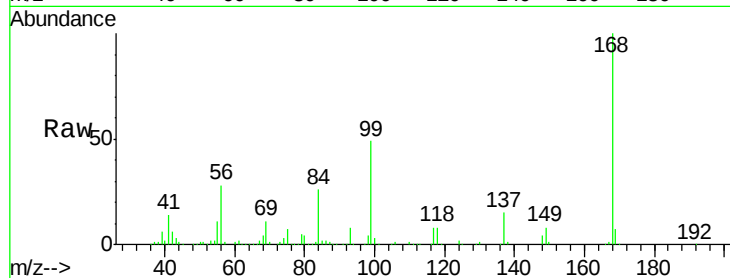
VN0130WBSD01

Tot Ion:168 Resp: 703692

Ion Ratio Lower Upper

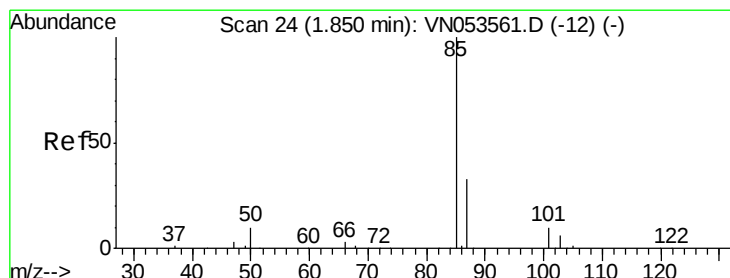
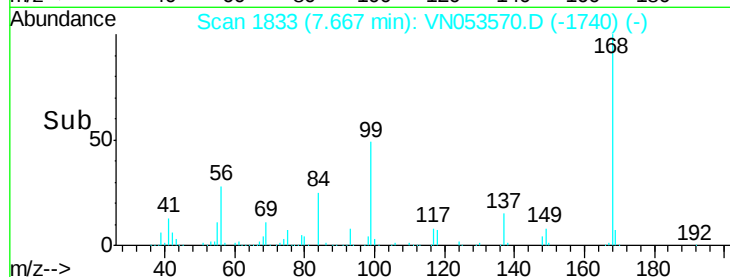
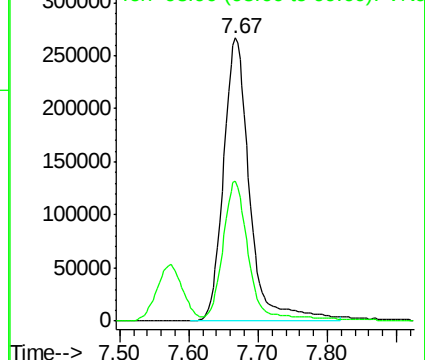
168 100

99 48.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 21.115 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053570.D

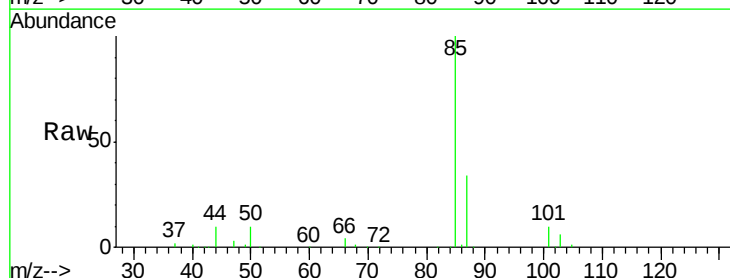
Acq: 30 Jan 2019 14:34

Tgt Ion: 85 Resp: 165949

Ion Ratio Lower Upper

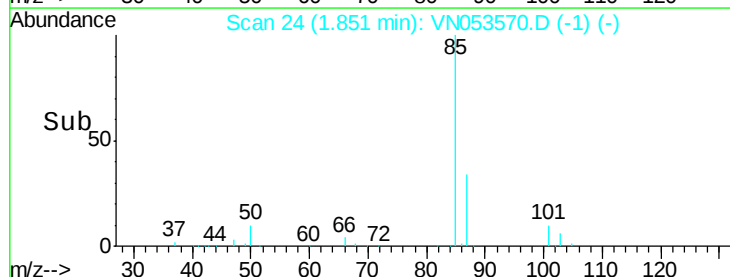
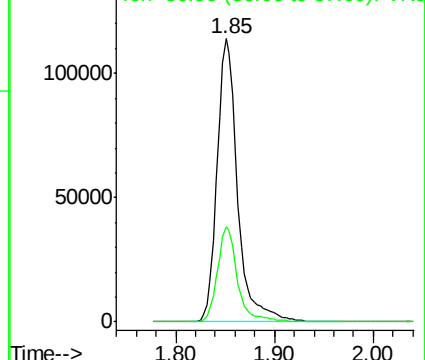
85 100

87 33.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

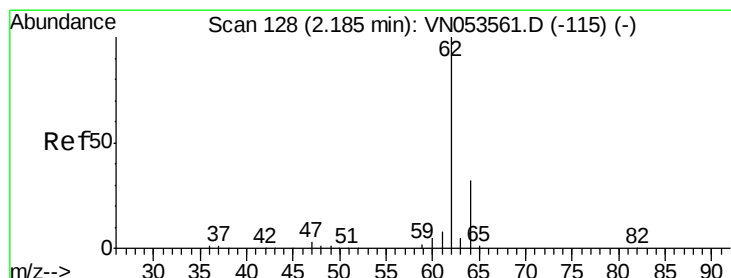
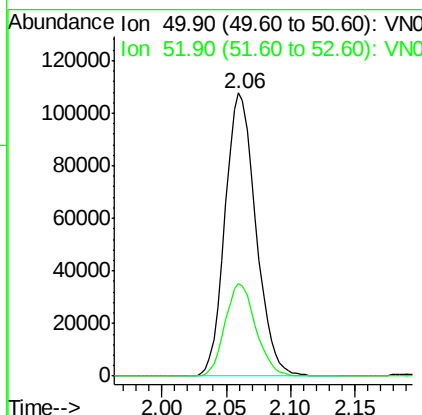
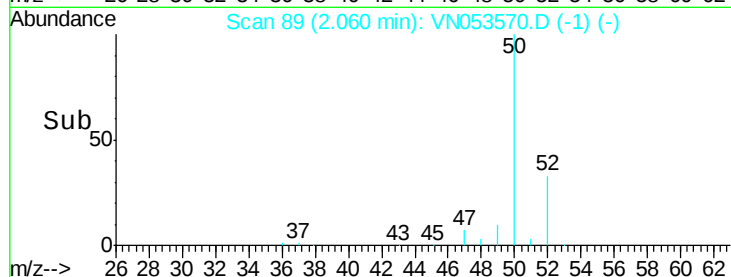
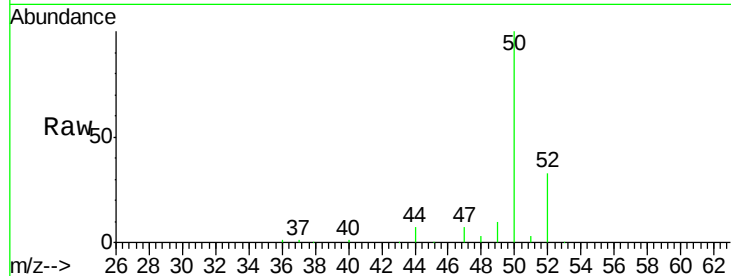




#3
Chloromethane
Concen: 21.347 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

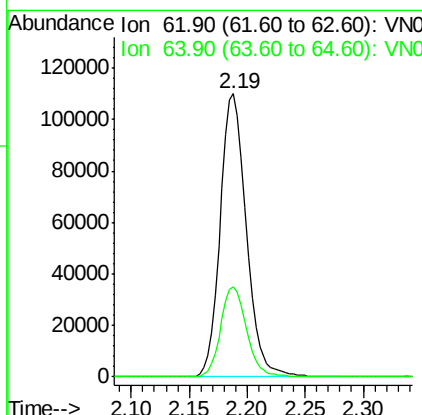
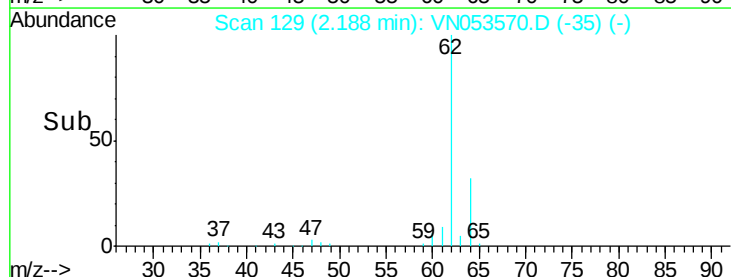
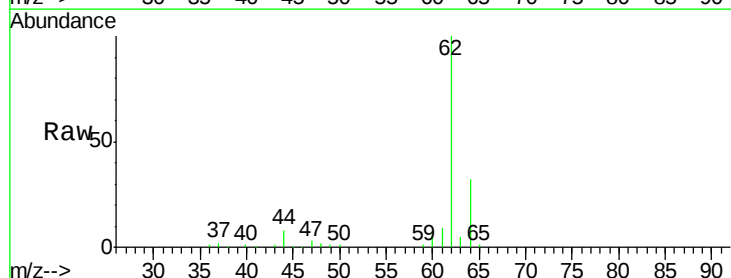
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

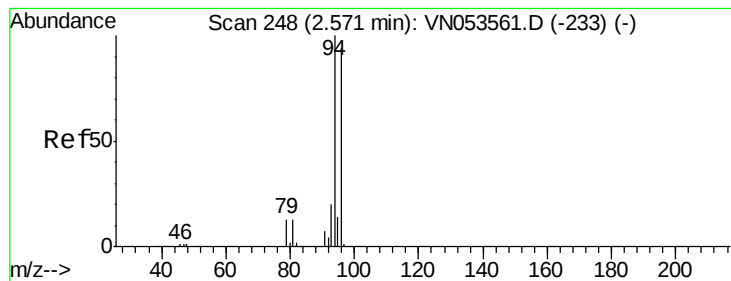
Tot Ion: 50 Resp: 178342
Ion Ratio Lower Upper
50 100
52 32.7 26.6 40.0



#4
Vinyl Chloride
Concen: 21.190 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion: 62 Resp: 171845
Ion Ratio Lower Upper
62 100
64 32.1 25.4 38.2





#5

Bromomethane

Concen: 21.020 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

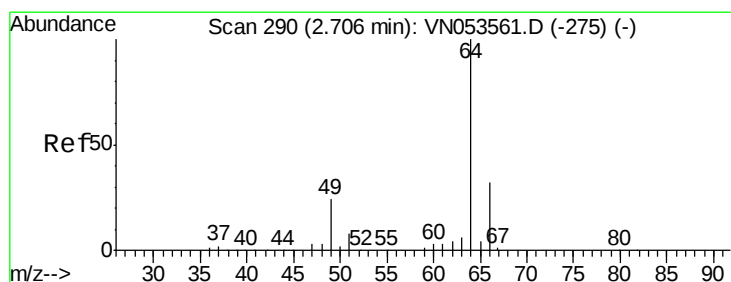
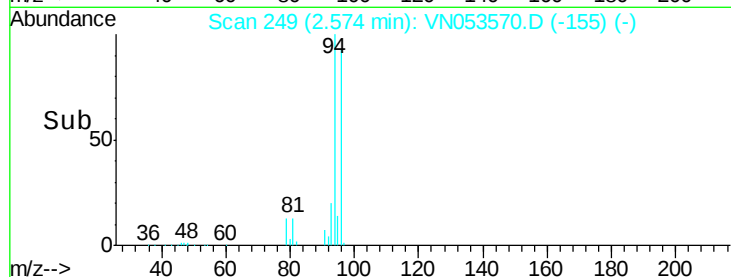
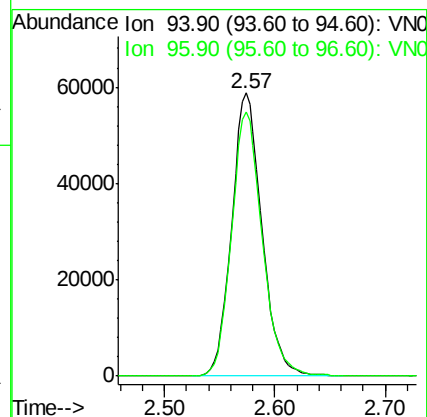
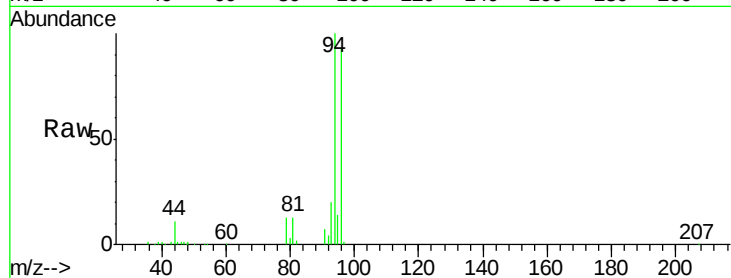
VN0130WBSD01

Tot Ion: 94 Resp: 111461

Ion Ratio Lower Upper

94 100

96 93.5 76.8 115.2



#6

Chloroethane

Concen: 20.773 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053570.D

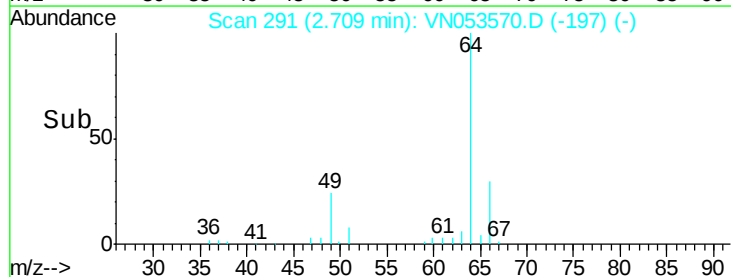
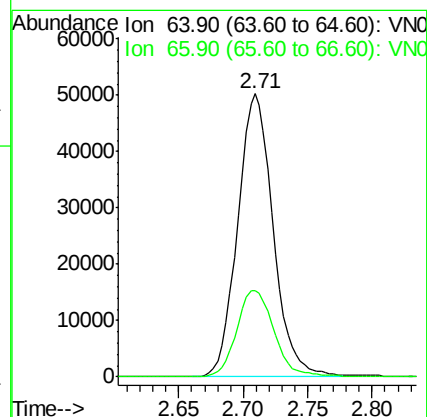
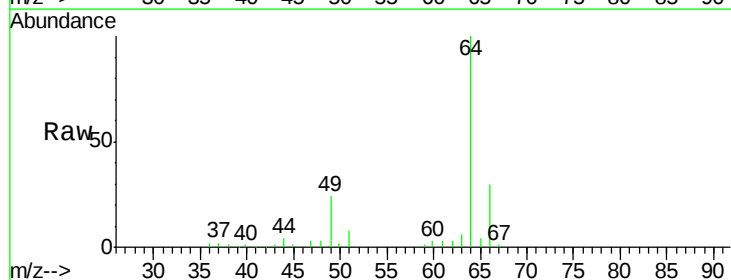
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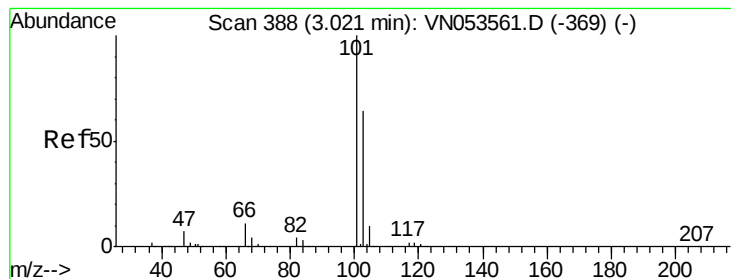
Tgt Ion: 64 Resp: 96269

Ion Ratio Lower Upper

64 100

66 30.5 25.1 37.7



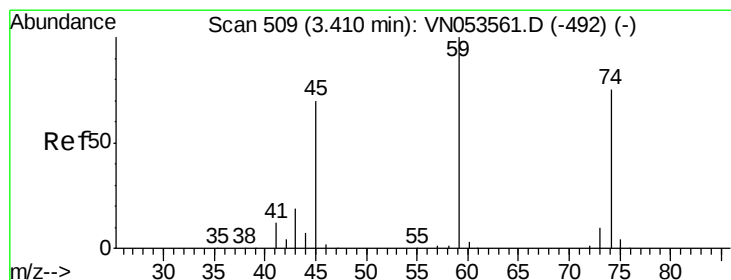
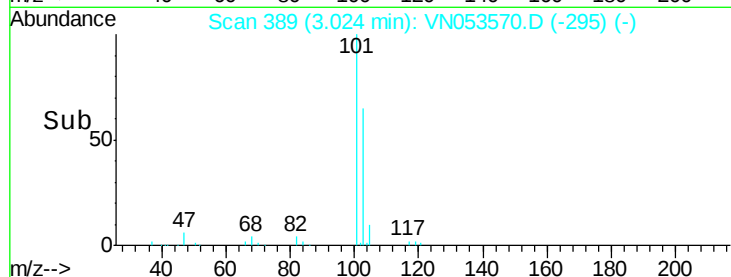
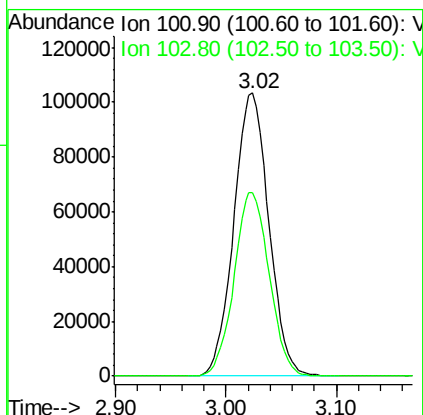
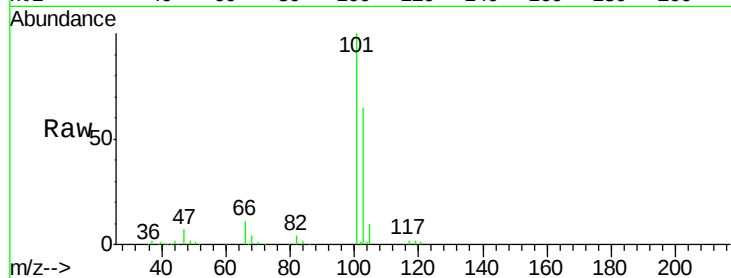


#7

Trichlorofluoromethane
 Concen: 20.647 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Instrument :
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 ClientSampleId :
 VN0130WBSD01

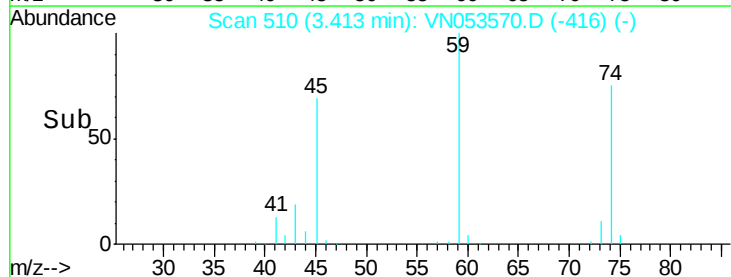
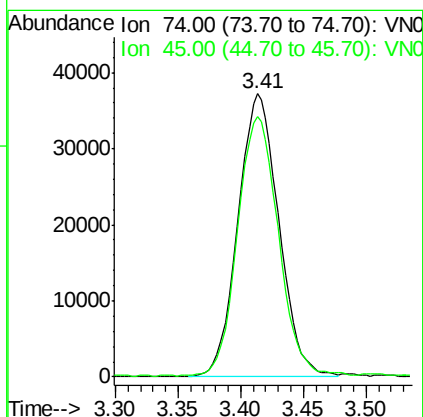
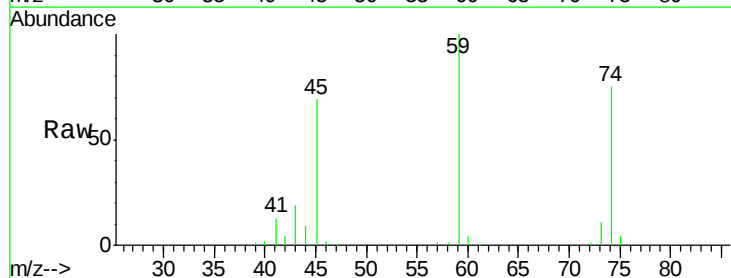
Tot Ion:101 Resp: 227066
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.6 77.4

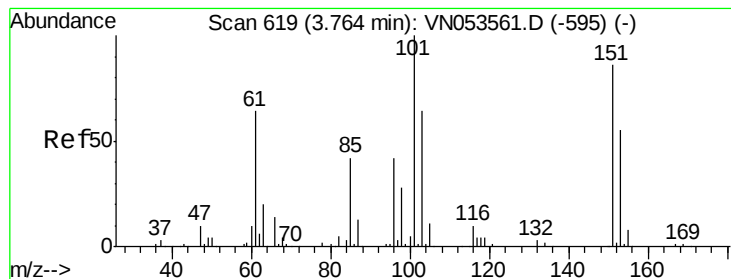


#8

Diethyl Ether
 Concen: 20.975 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion: 74 Resp: 84244
 Ion Ratio Lower Upper
 74 100
 45 91.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.526 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

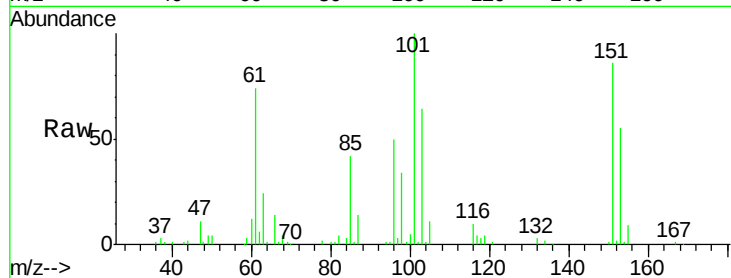
Tot Ion:101 Resp: 139604

Ion Ratio Lower Upper

101 100

85 41.0 32.8 49.2

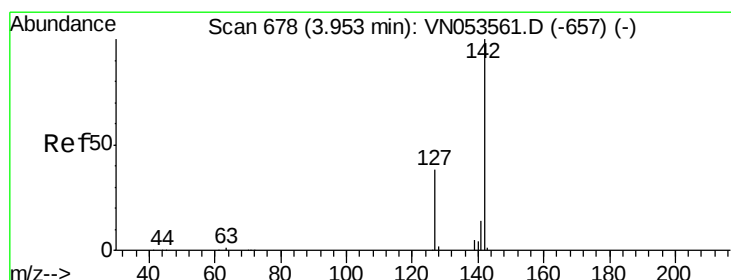
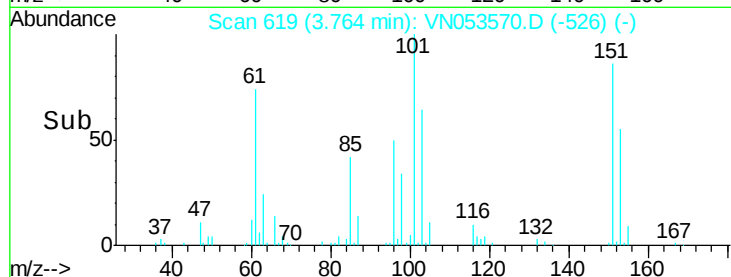
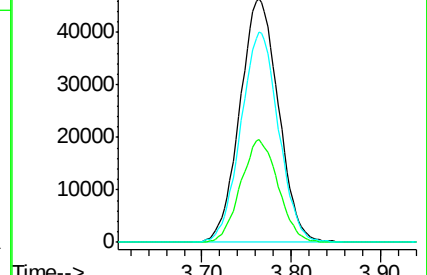
151 84.5 66.9 100.3



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: 19.453 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

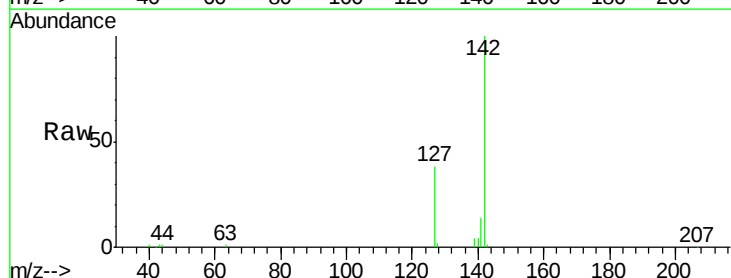
Tgt Ion:142 Resp: 207665

Ion Ratio Lower Upper

142 100

127 38.6 31.0 46.4

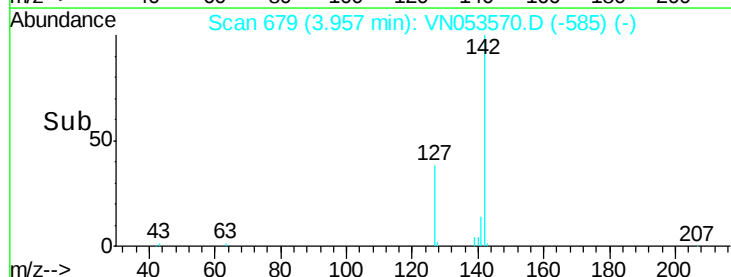
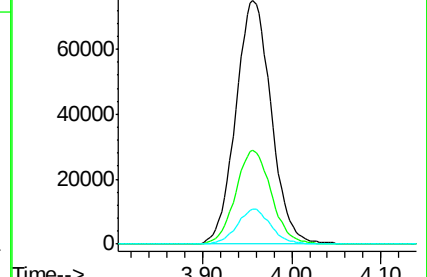
141 13.5 11.1 16.7

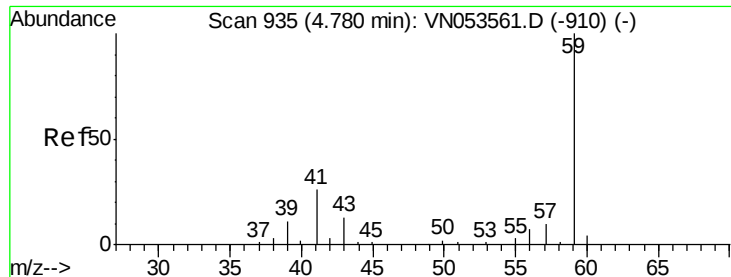


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



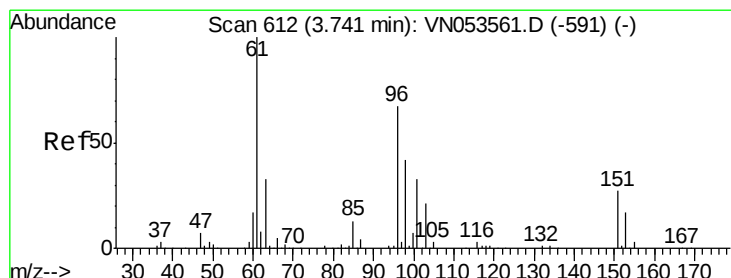
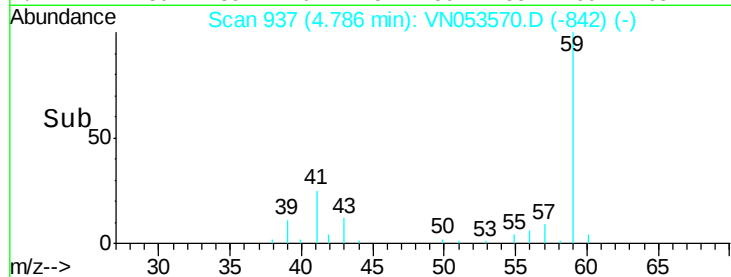
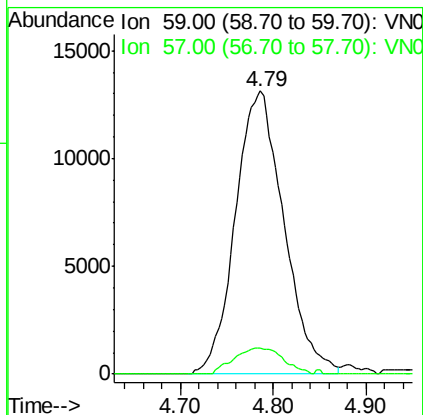
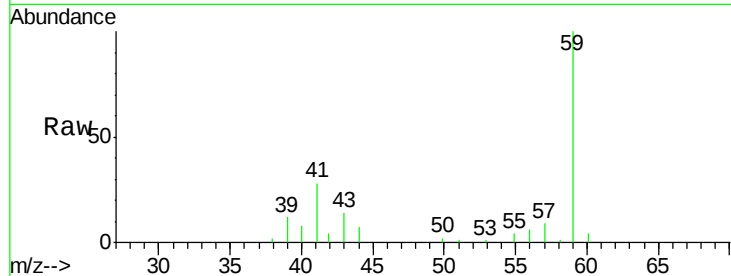


#11

Tert butyl alcohol
 Concen: 114.124 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0130WBSD01

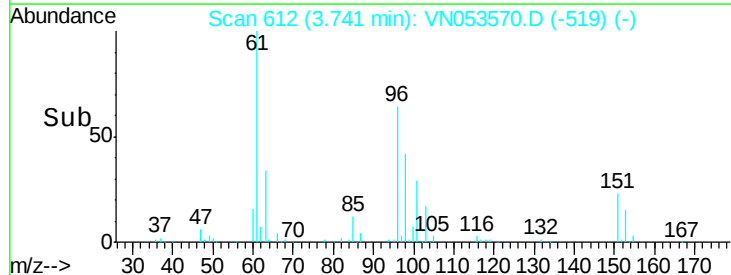
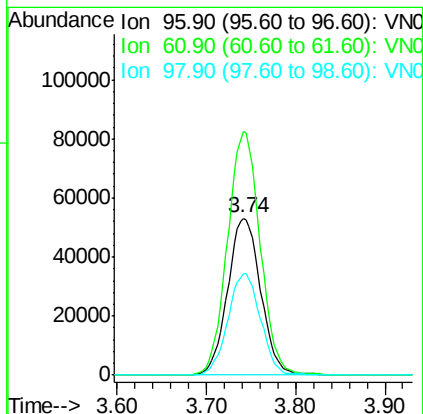
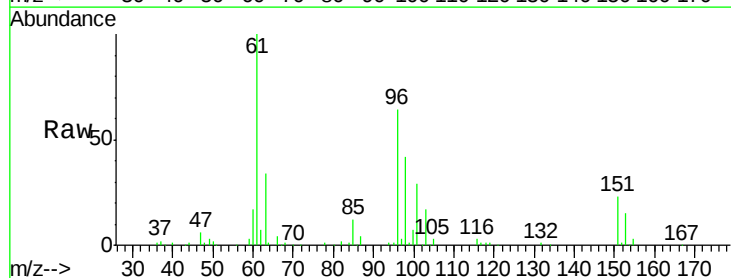
Tot Ion: 59 Resp: 47680
 Ion Ratio Lower Upper
 59 100
 57 9.4 8.2 12.4

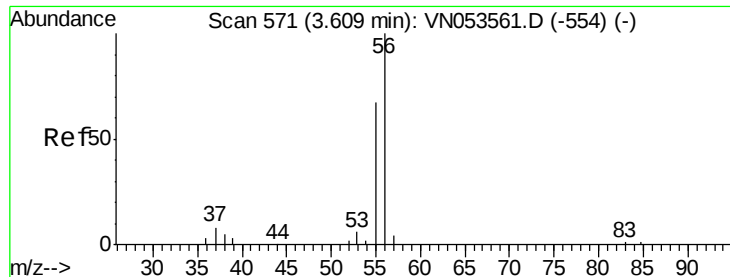


#12

1,1-Dichloroethene
 Concen: 20.944 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion: 96 Resp: 136479
 Ion Ratio Lower Upper
 96 100
 61 155.1 122.9 184.3
 98 64.7 49.4 74.0

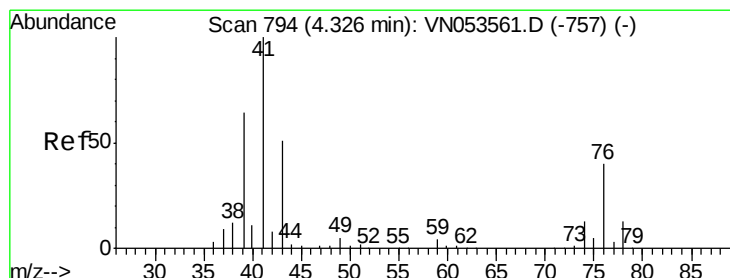
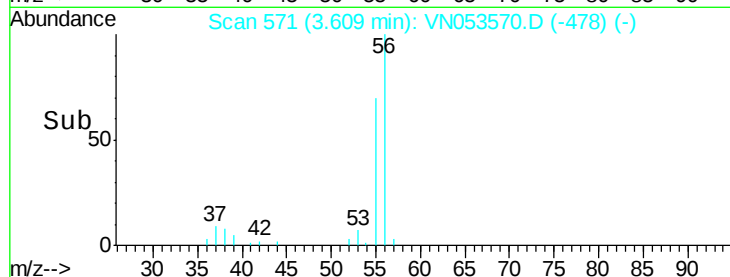
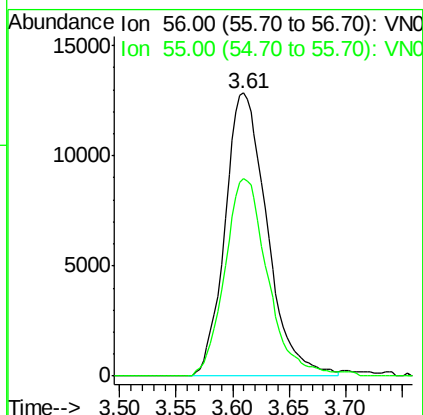
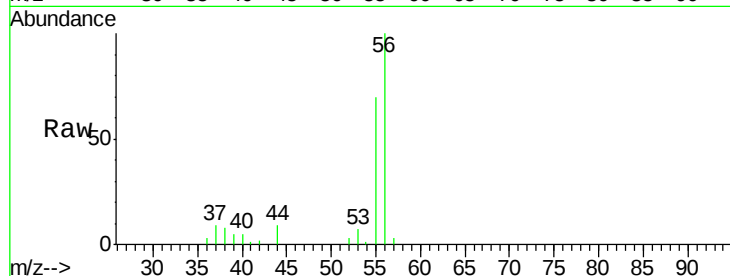




#13
Acrolein
Concen: 209.394 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

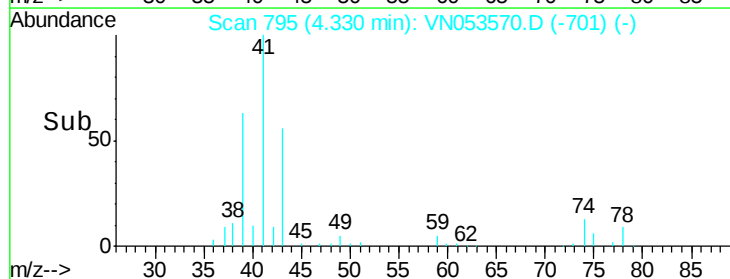
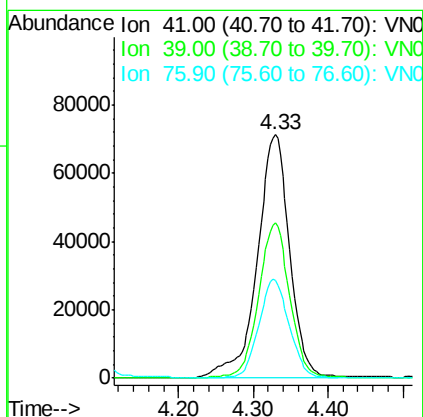
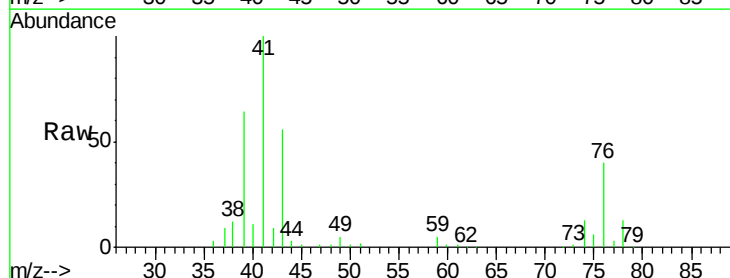
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tot Ion: 56 Resp: 33262
Ion Ratio Lower Upper
56 100
55 71.6 57.4 86.0



#14
Allyl chloride
Concen: 20.699 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion: 41 Resp: 214761
Ion Ratio Lower Upper
41 100
39 61.6 48.9 73.3
76 37.9 29.4 44.2





#15

Acrylonitrile

Concen: 112.084 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

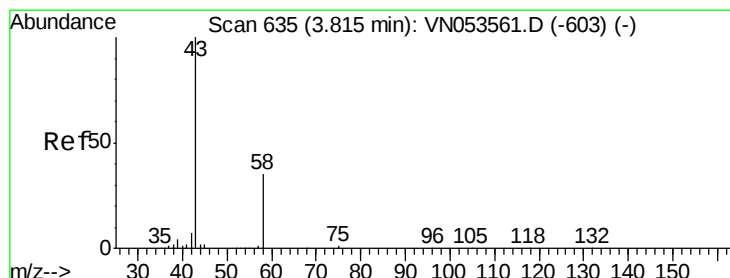
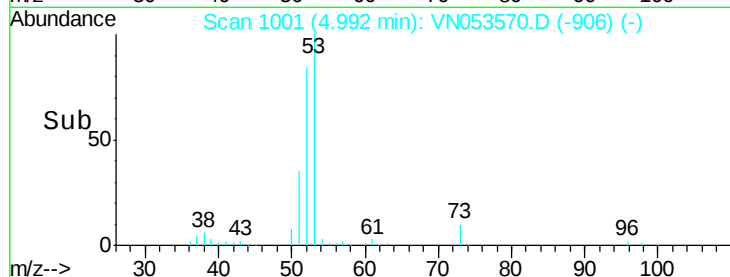
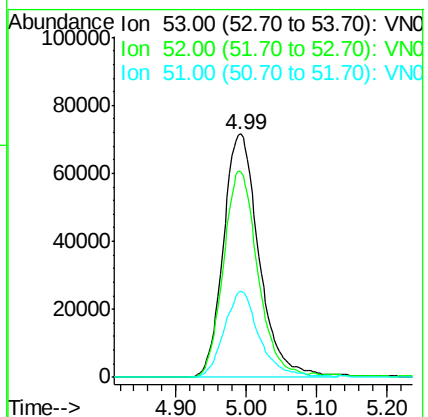
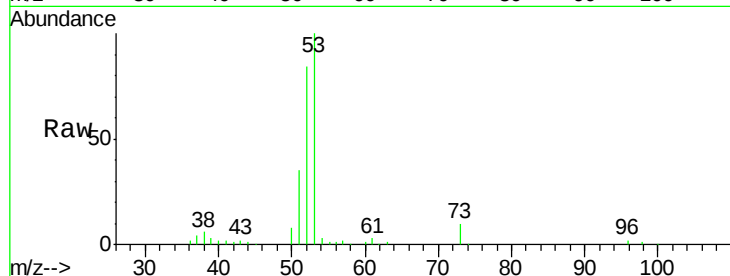
Tot Ion: 53 Resp: 252801

Ion Ratio Lower Upper

53 100

52 81.5 66.0 99.0

51 35.1 28.3 42.5



#16

Acetone

Concen: 108.090 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053570.D

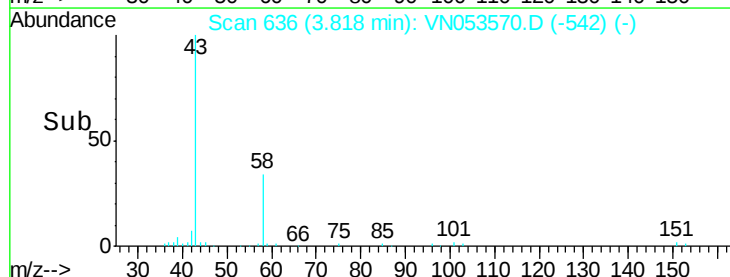
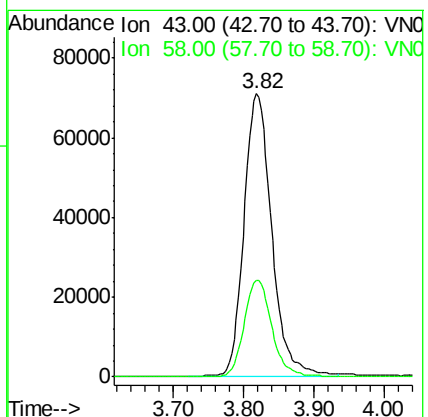
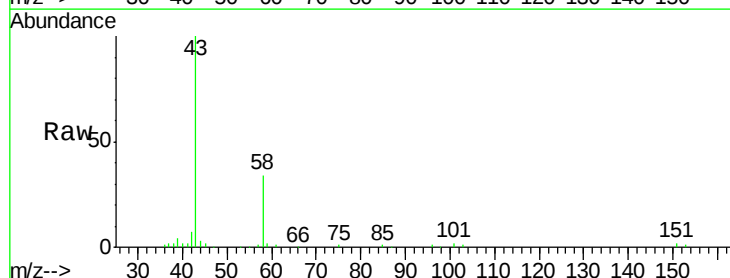
Acq: 30 Jan 2019 14:34

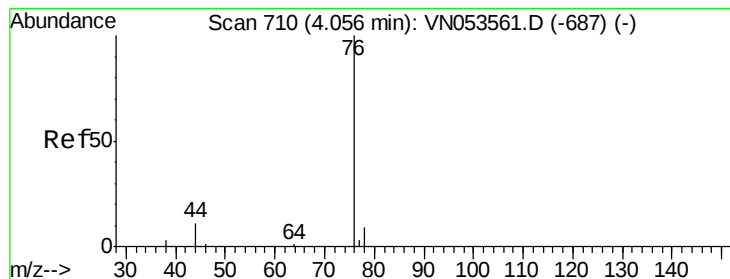
Tgt Ion: 43 Resp: 195725

Ion Ratio Lower Upper

43 100

58 34.0 27.1 40.7





#17

Carbon Disulfide

Concen: 20.006 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

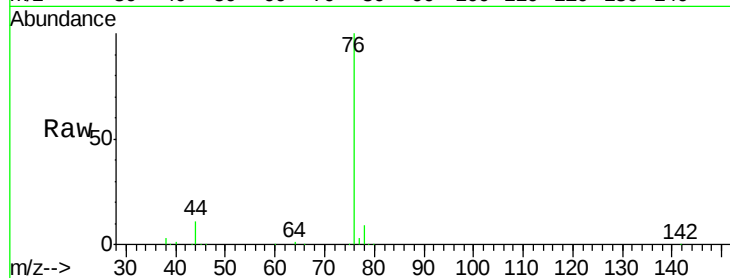
VN0130WBSD01

Tot Ion: 76 Resp: 405924

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.06

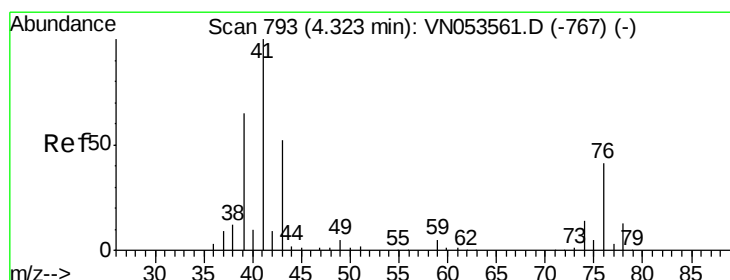
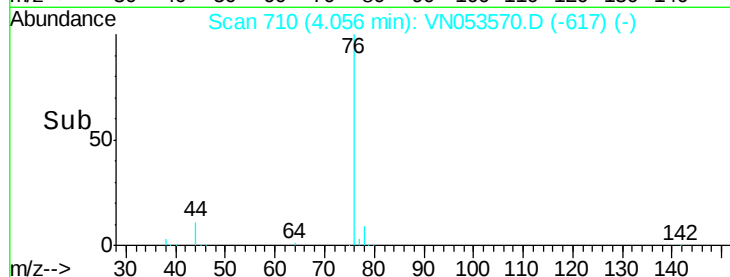
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.100 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053570.D

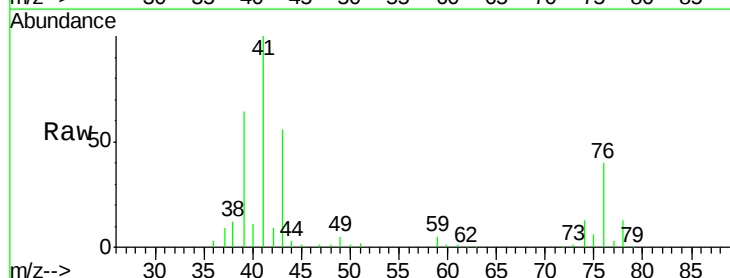
Acq: 30 Jan 2019 14:34

Tgt Ion: 43 Resp: 113150

Ion Ratio Lower Upper

43 100

74 24.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

40000

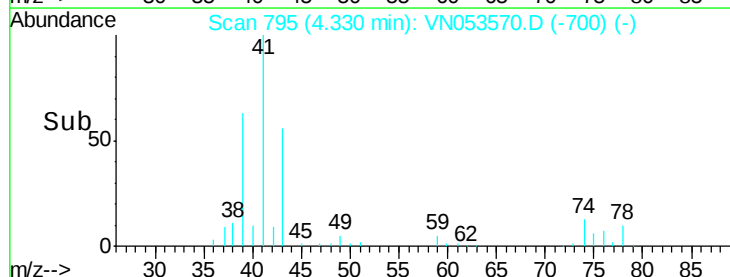
30000

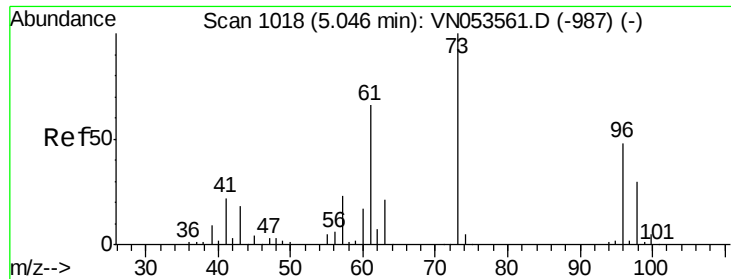
20000

10000

0

Time-->

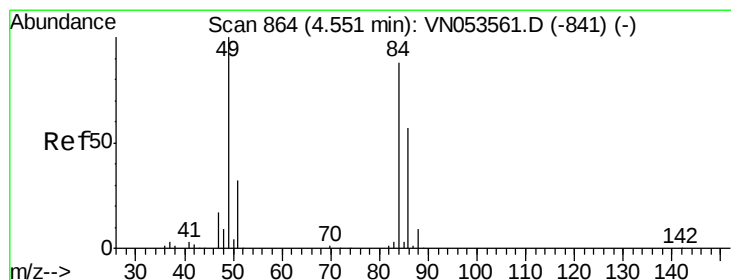
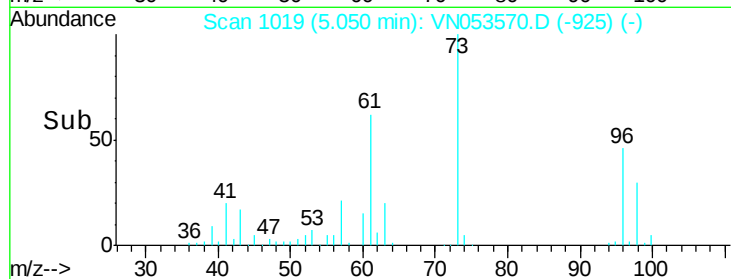
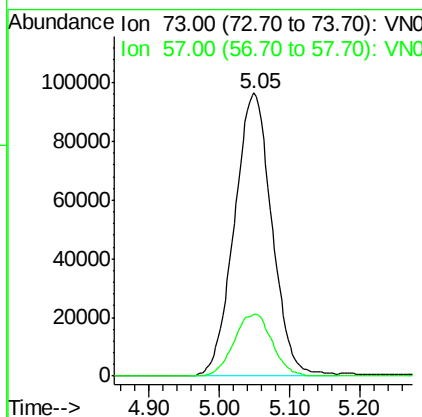
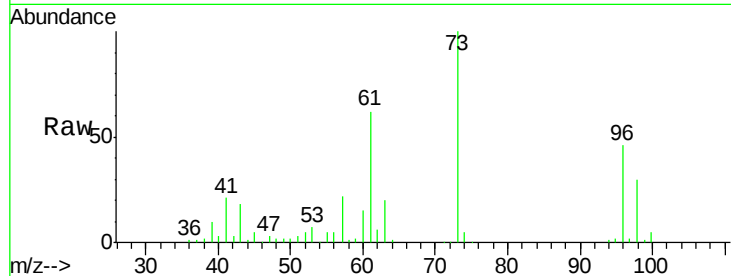




#19
Methvl tert-butvl Ether
Concen: 21.678 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

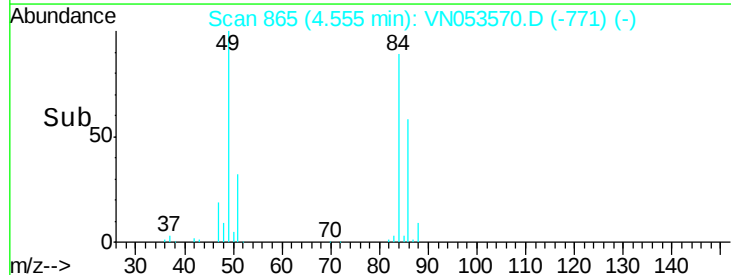
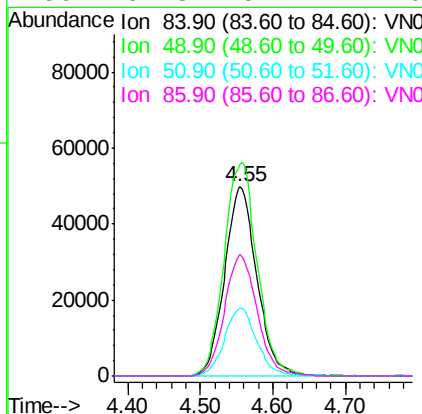
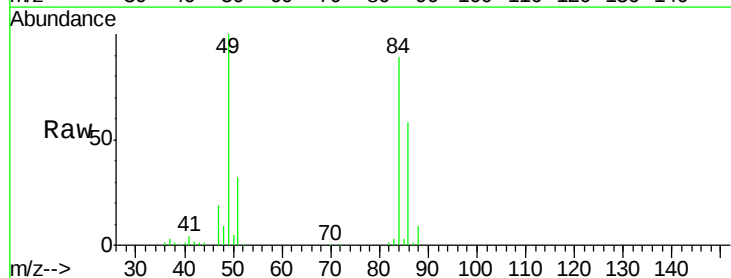
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

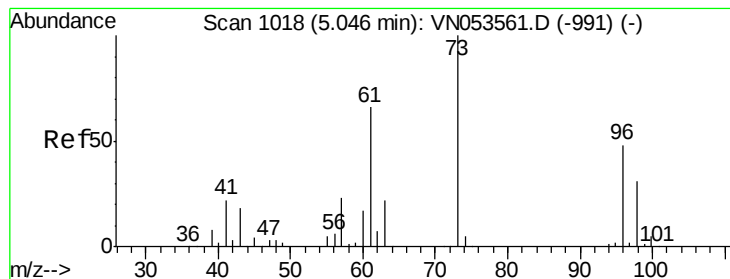
Tot Ion: 73 Resp: 358097
Ion Ratio Lower Upper
73 100
57 21.8 18.3 27.5



#20
Methylene Chloride
Concen: 20.277 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion: 84 Resp: 154043
Ion Ratio Lower Upper
84 100
49 111.9 94.3 141.5
51 35.7 29.4 44.2
86 64.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.413 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

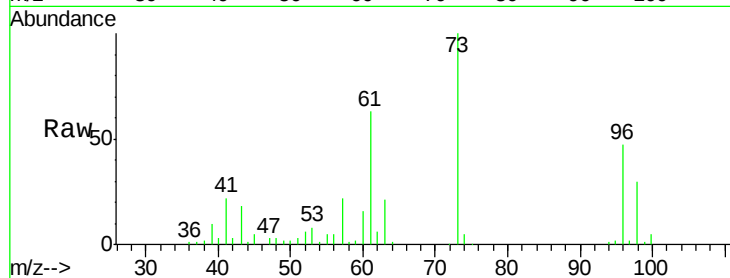
Tot Ion: 96 Resp: 143510

Ion	Ratio	Lower	Upper
96	100		
61	134.6	110.1	165.1
98	65.2	50.0	75.0

96 100

61 134.6 110.1 165.1

98 65.2 50.0 75.0

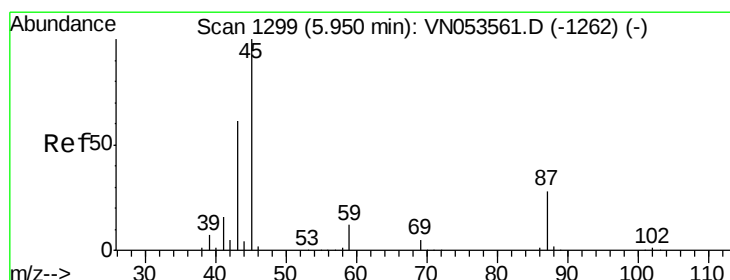
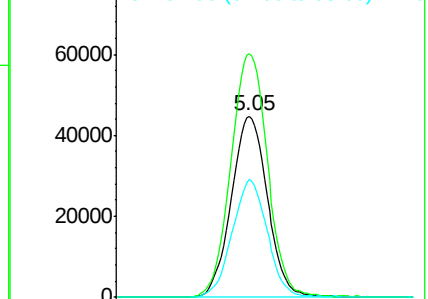
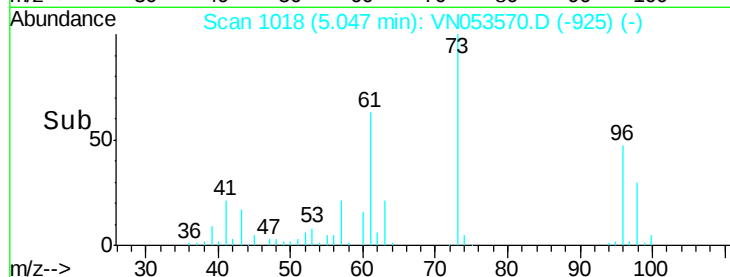


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.335 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Tgt Ion: 45 Resp: 410169

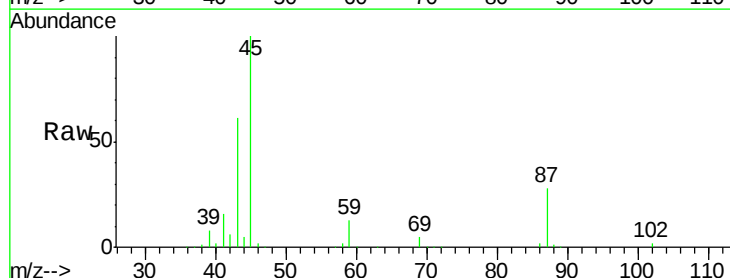
Ion	Ratio	Lower	Upper
45	100		
43	58.0	44.2	66.4
87	27.2	22.7	34.1
59	12.6	9.4	14.2

45 100

43 58.0 44.2 66.4

87 27.2 22.7 34.1

59 12.6 9.4 14.2



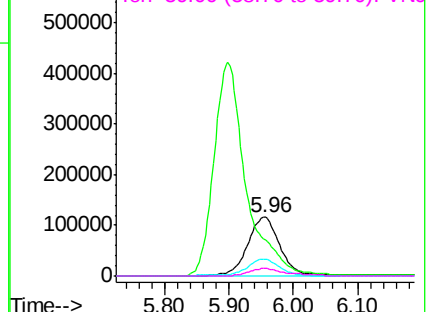
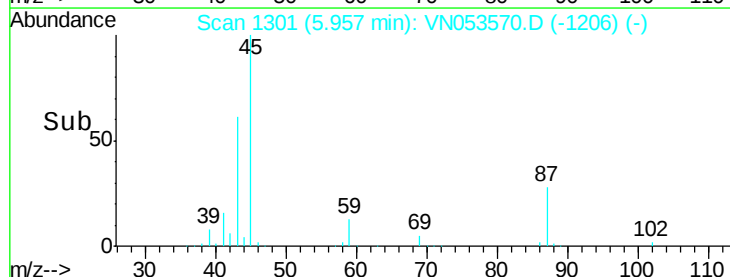
Abundance

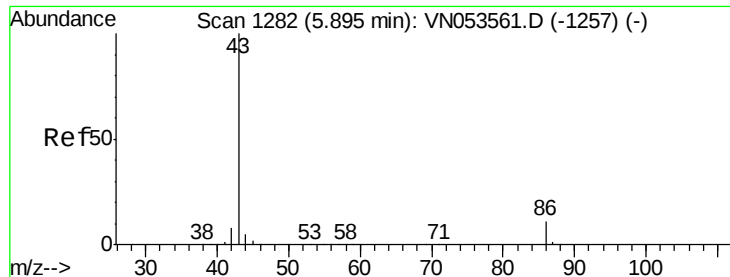
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

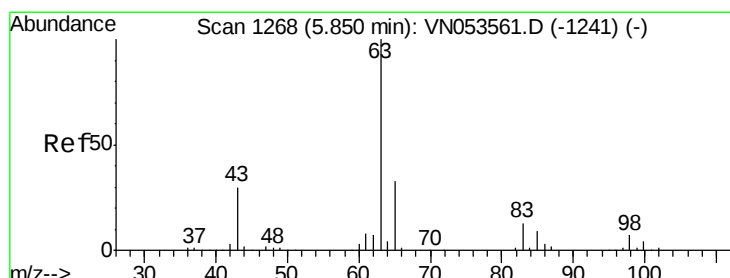
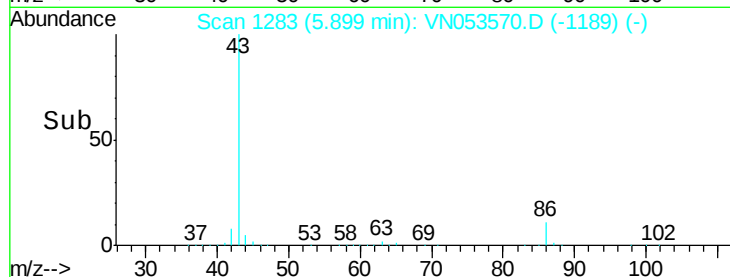
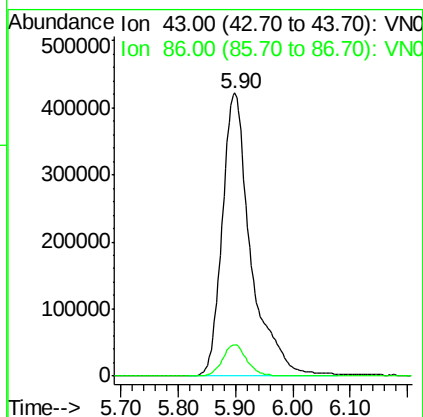
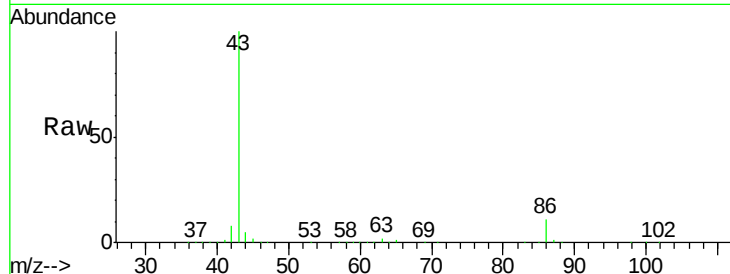




#23
 Vinyl Acetate
 Concen: 110.337 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

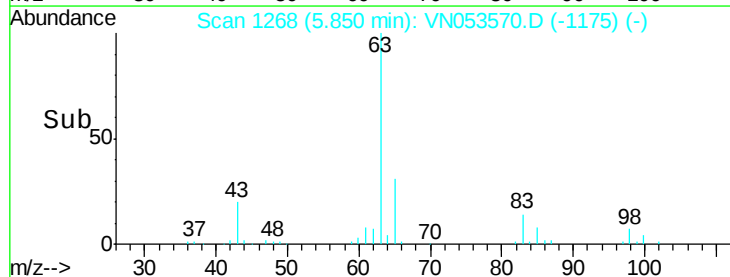
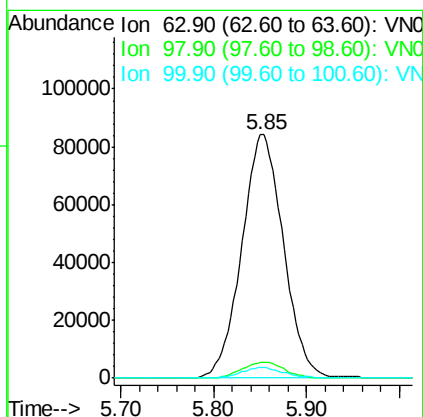
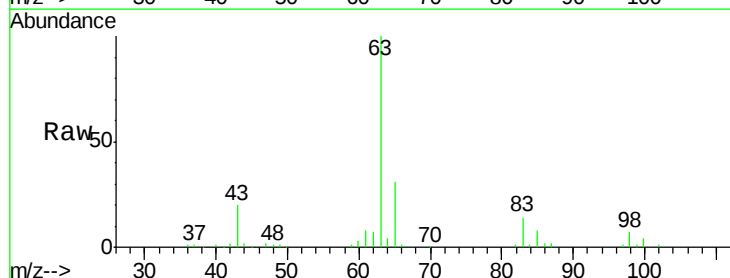
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBSD01

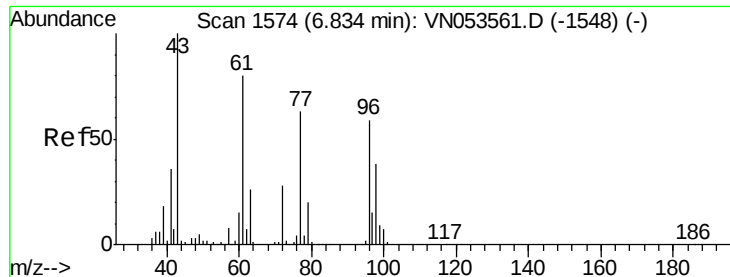
Tot Ion: 43 Resp: 1467416
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 20.520 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion: 63 Resp: 263126
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.2 2.1 6.5





#25

2-Butanone

Concen: 108.740 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampled :

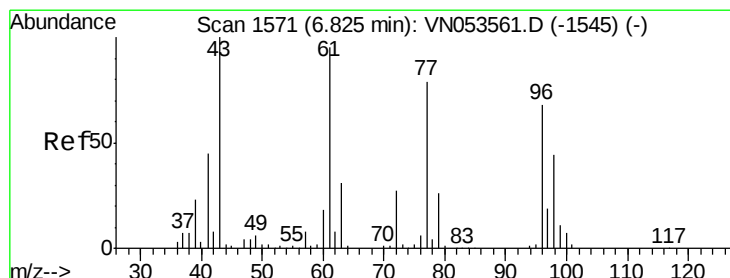
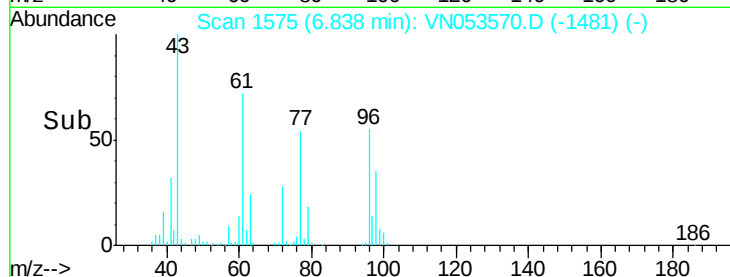
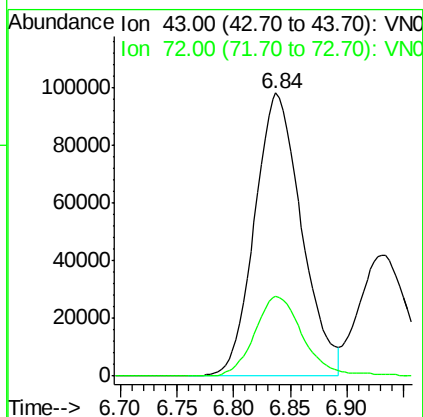
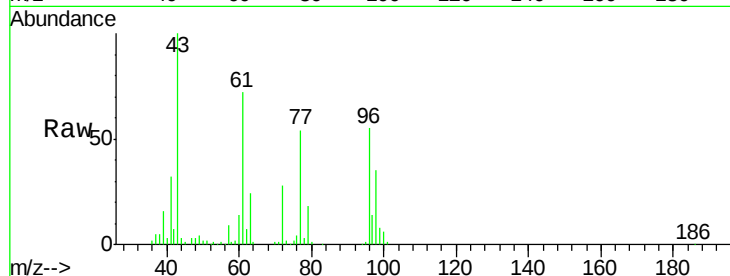
VN0130WBSD01

Tot Ion: 43 Resp: 280824

Ion Ratio Lower Upper

43 100

72 28.1 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.738 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053570.D

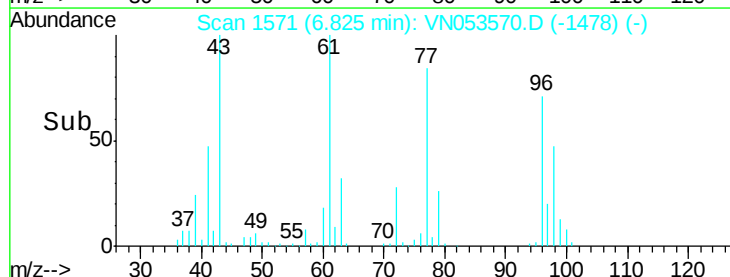
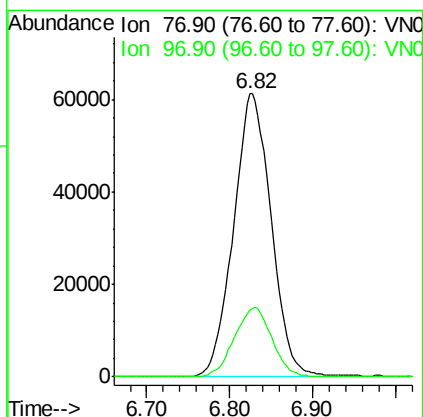
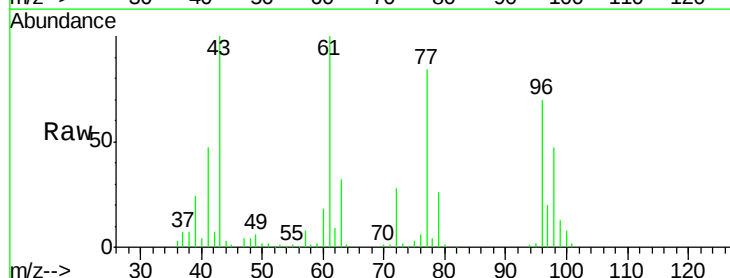
Acq: 30 Jan 2019 14:34

Tgt Ion: 77 Resp: 193202

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.887 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

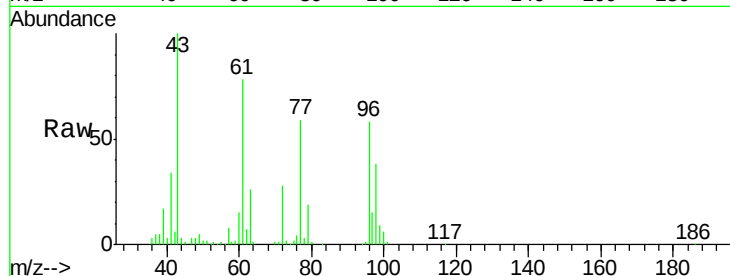
Tot Ion: 96 Resp: 163285

Ion Ratio Lower Upper

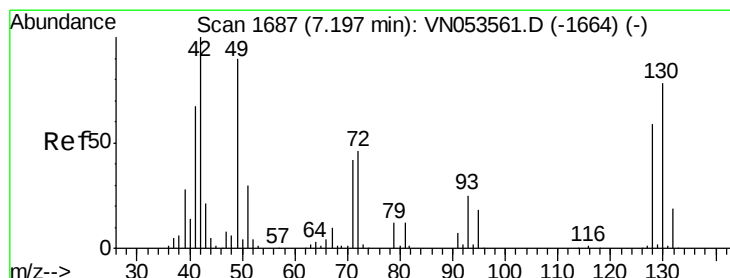
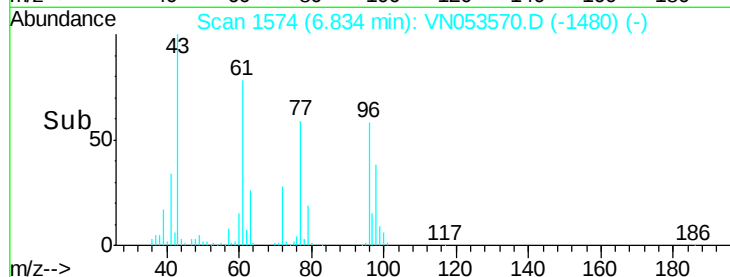
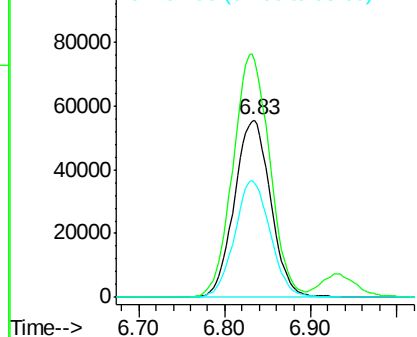
96 100

61 138.4 0.0 283.8

98 64.6 0.0 129.2



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



#28

Bromochloromethane

Concen: 19.553 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

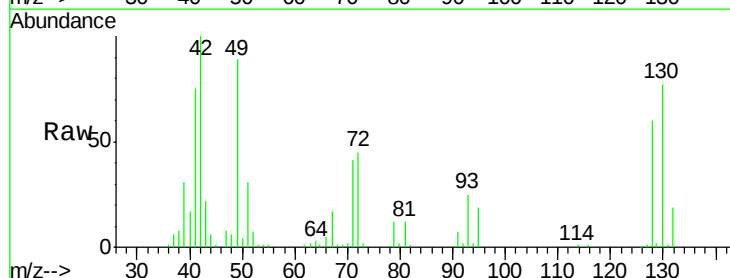
Tgt Ion: 49 Resp: 108806

Ion Ratio Lower Upper

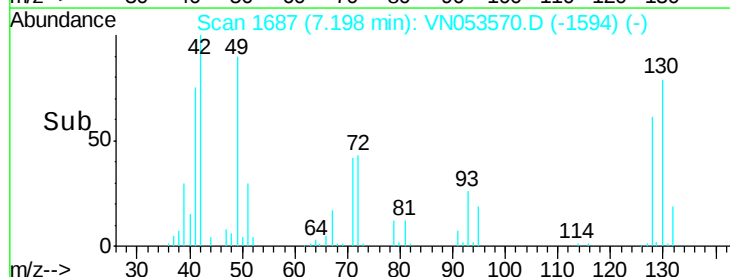
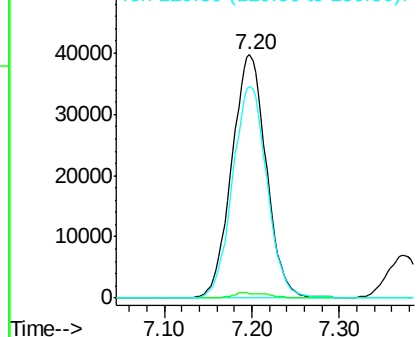
49 100

129 1.3 0.0 4.0

130 86.8 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

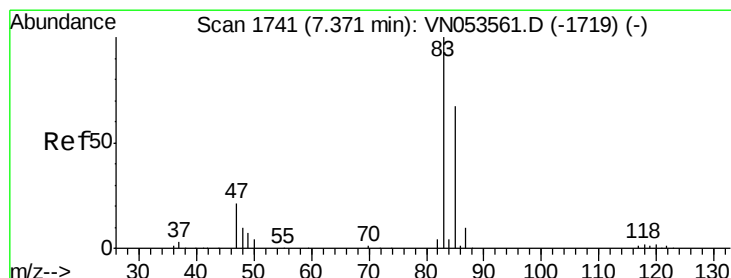
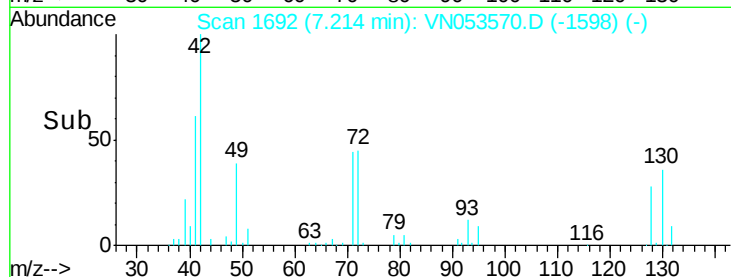
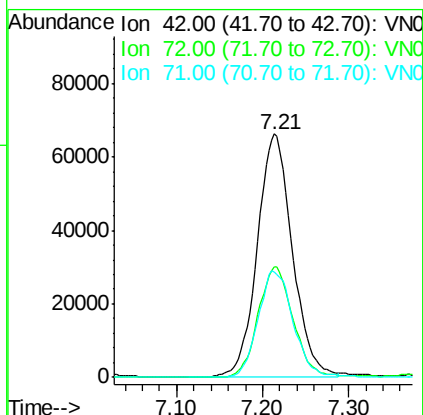
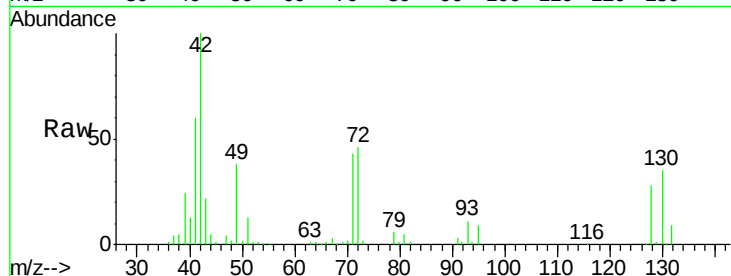




#29
Tetrahydrofuran
Concen: 113.700 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

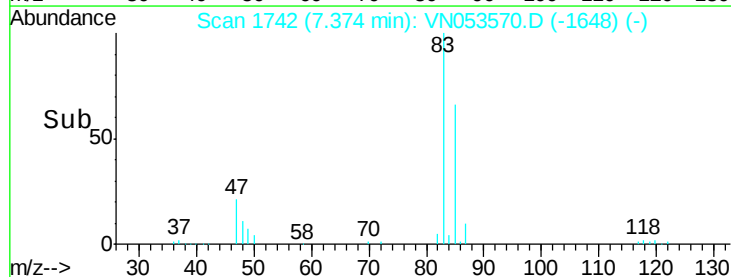
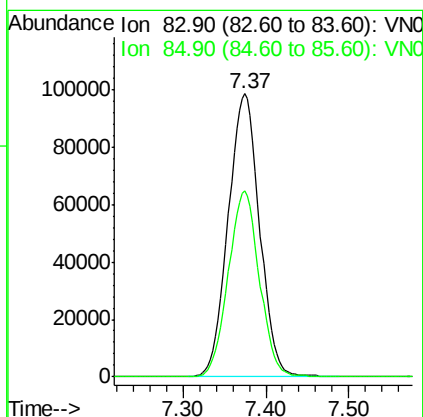
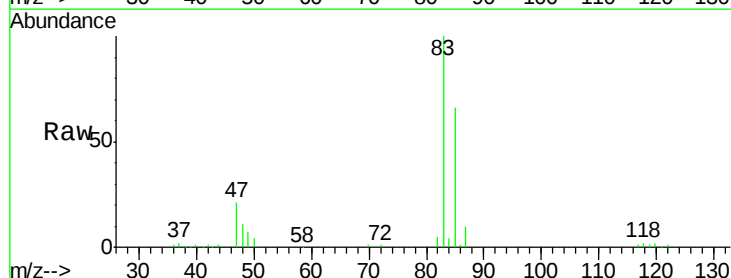
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

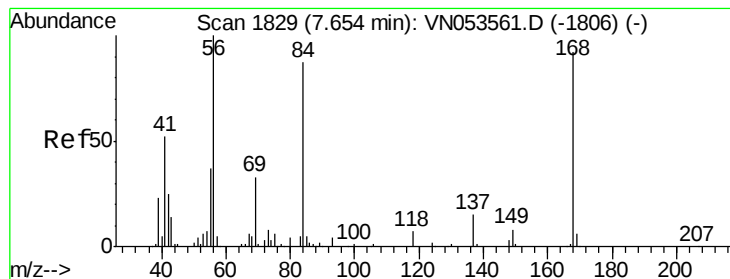
Tot Ion: 42 Resp: 188551
Ion Ratio Lower Upper
42 100
72 45.2 35.2 52.8
71 43.8 33.0 49.4



#30
Chloroform
Concen: 20.432 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion: 83 Resp: 259709
Ion Ratio Lower Upper
83 100
85 65.9 52.2 78.2





#31

Cyclohexane

Concen: 20.225 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampled :

VN0130WBSD01

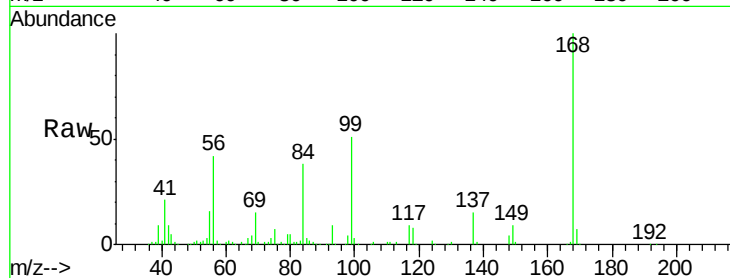
Tot Ion: 56 Resp: 242666

Ion Ratio Lower Upper

56 100

69 36.6 26.4 39.6

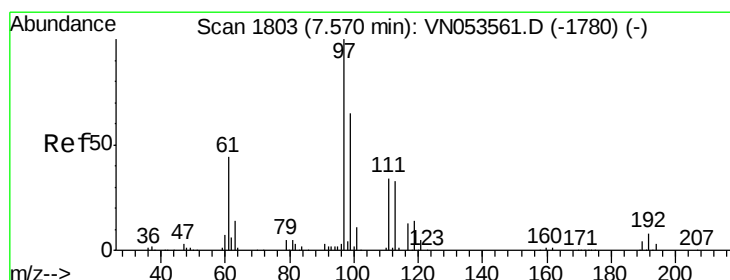
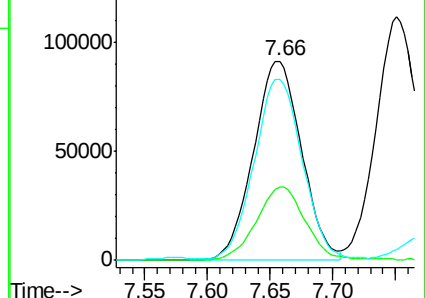
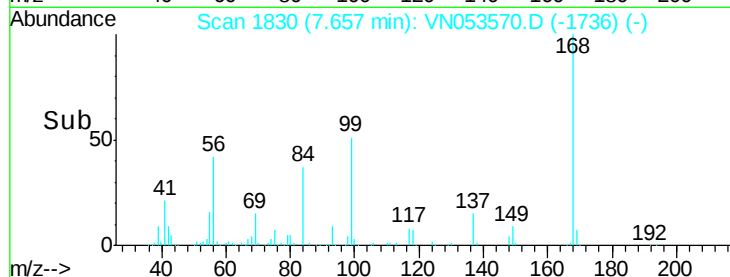
84 89.8 67.9 101.9



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: 20.501 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

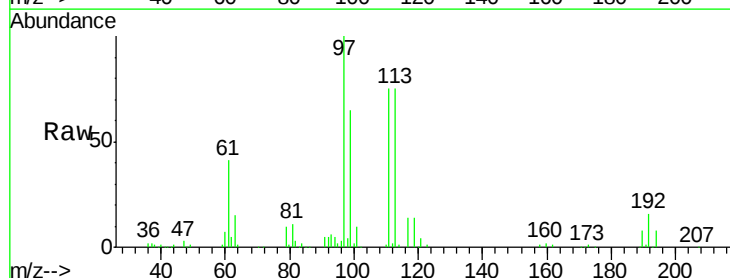
Tgt Ion: 97 Resp: 216868

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

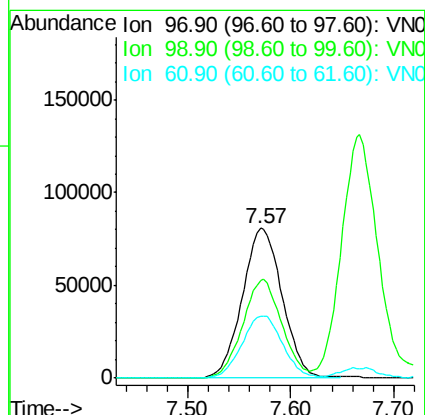
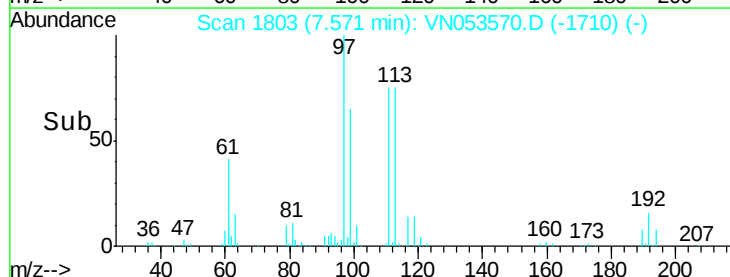
61 42.3 34.4 51.6

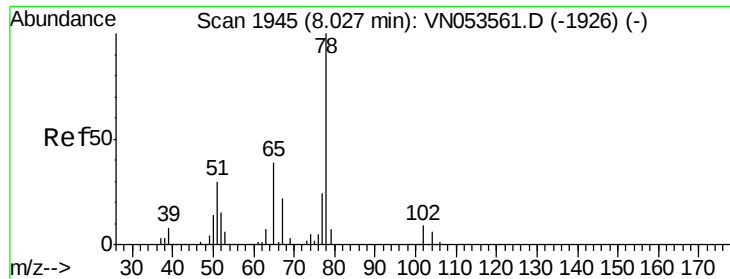


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

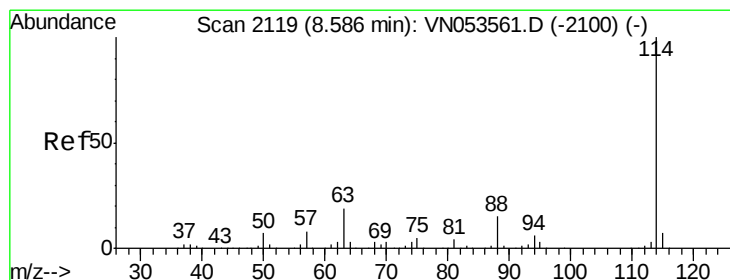
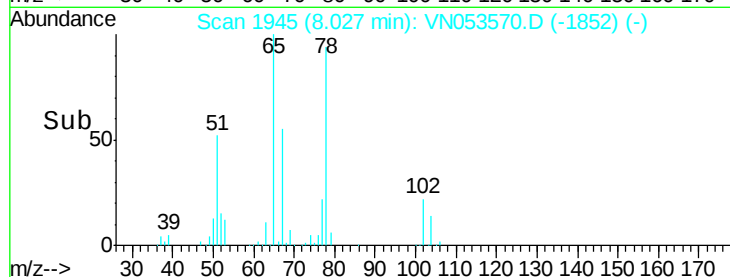
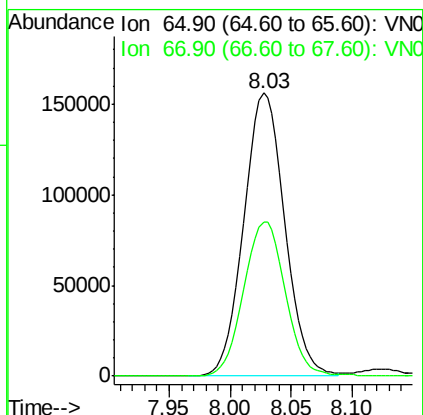
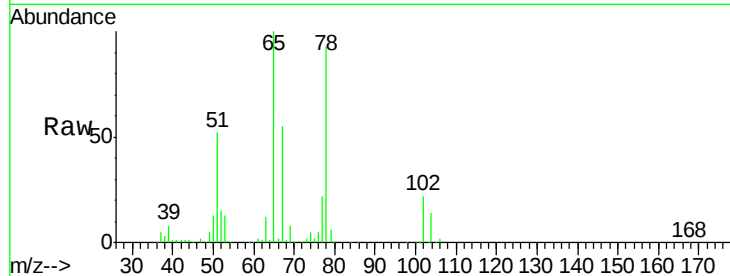




#33
 1,2-Dichloroethane-d4
 Concen: 20.501 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

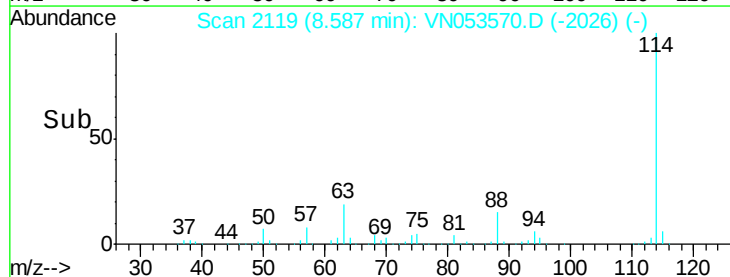
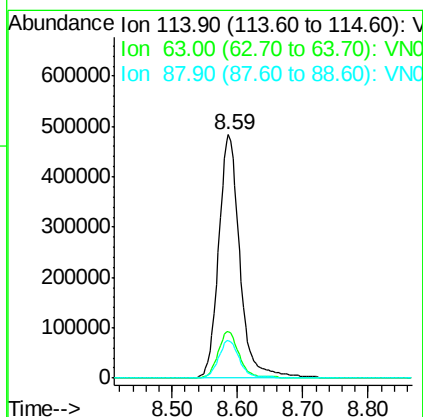
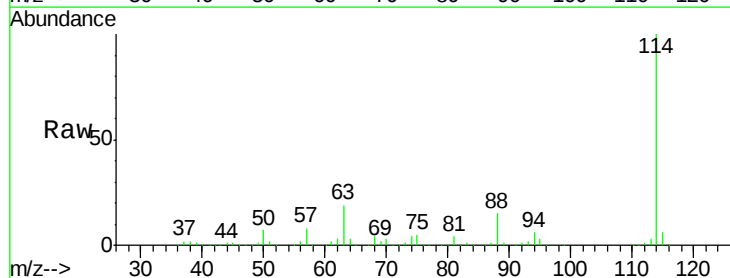
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBSD01

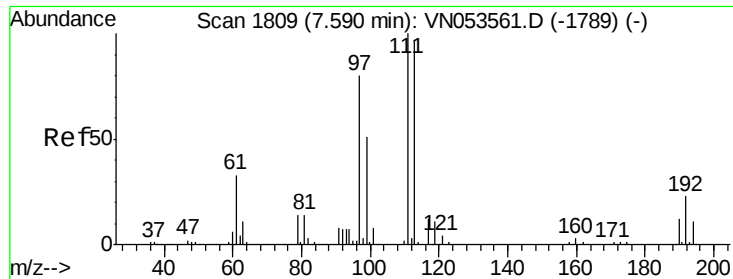
Tot Ion: 65 Resp: 362572
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion: 114 Resp: 1093408
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.3 0.0 30.4

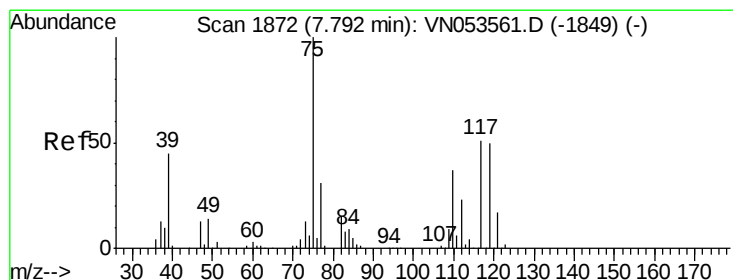
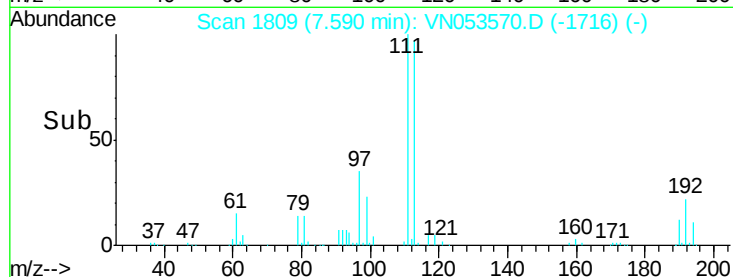
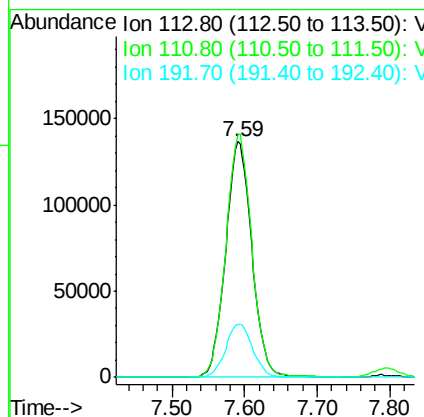
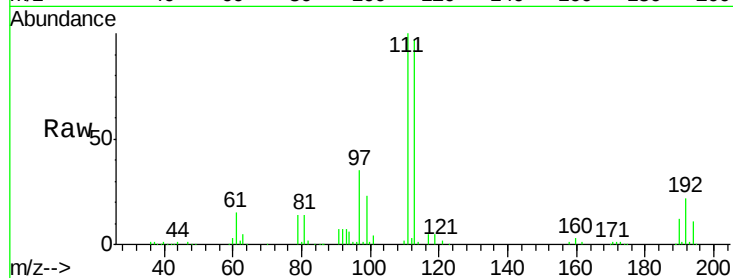




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

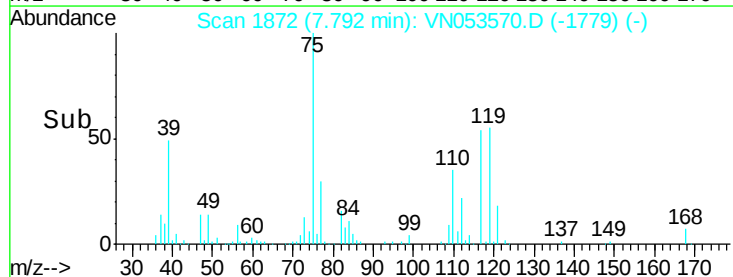
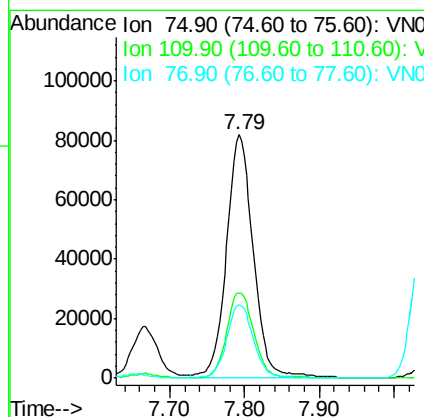
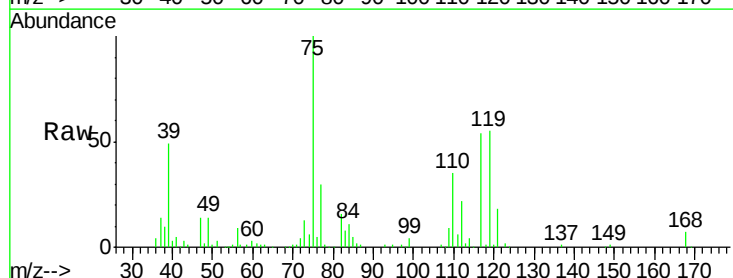
Instrument :
 MSVOA_N
 ClientSampled :
 VN0130WBSD01

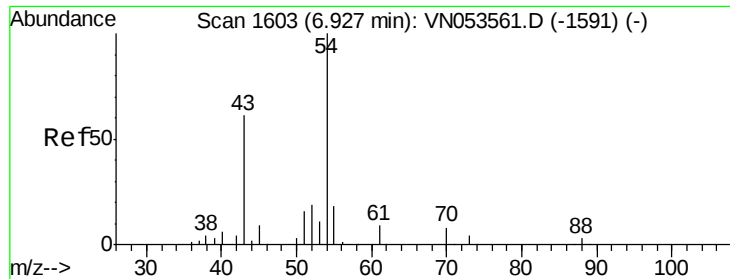
Tot Ion:113 Resp: 343850
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.1 121.7
 192 23.0 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 20.486 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion: 75 Resp: 201922
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.1 54.3
 77 30.3 25.1 37.7

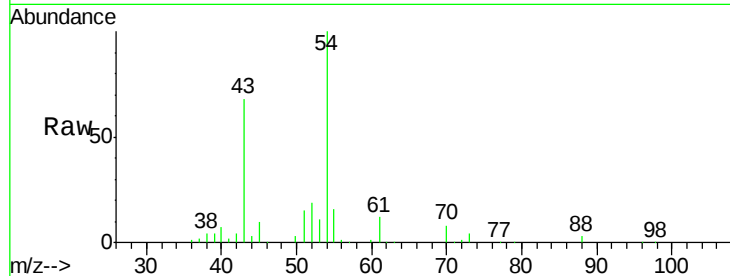




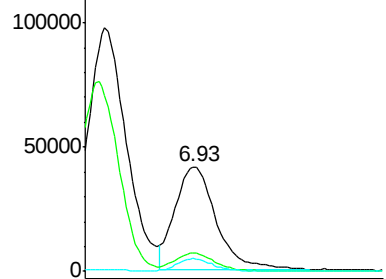
#37
Ethyl Acetate
Concen: 22.888 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampled :
VN0130WBSD01

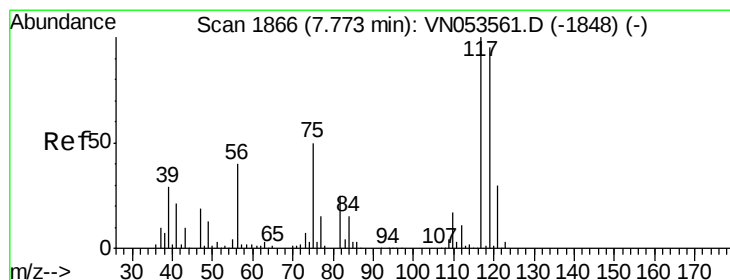
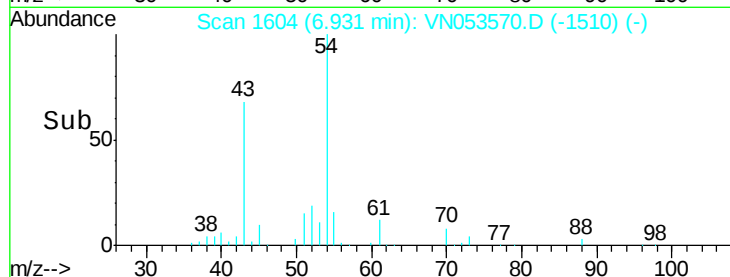
Tot Ion: 43 Resp: 125997
Ion Ratio Lower Upper
43 100
61 16.1 11.8 17.6
70 11.0 8.6 12.8



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

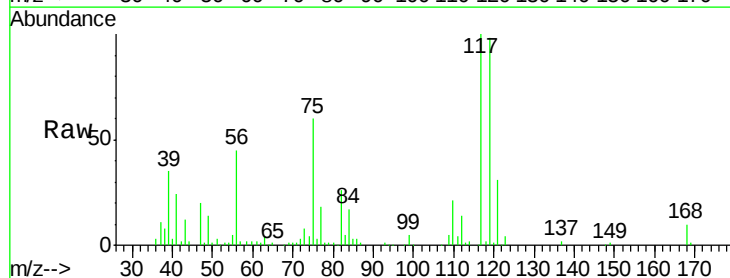


Time-->

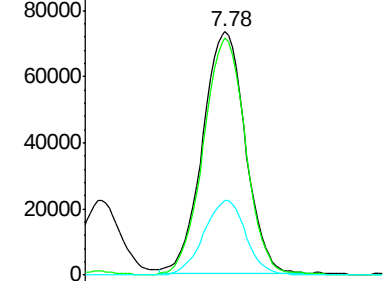


#38
Carbon Tetrachloride
Concen: 19.341 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

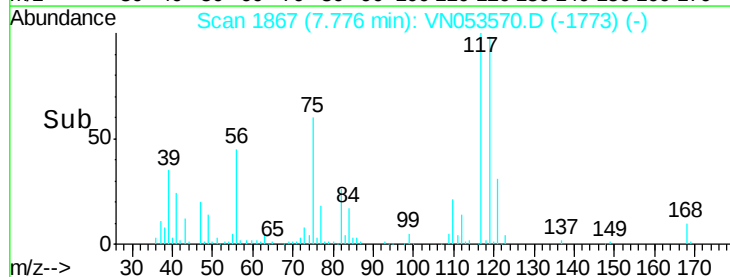
Tgt Ion: 117 Resp: 192037
Ion Ratio Lower Upper
117 100
119 97.6 77.2 115.8
121 31.1 24.6 37.0

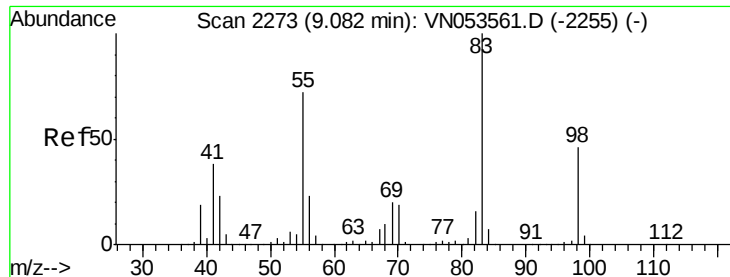


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



Time-->

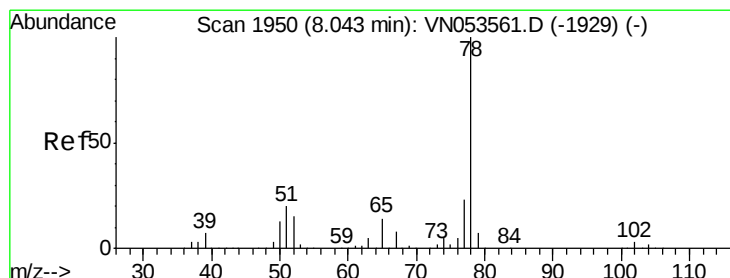
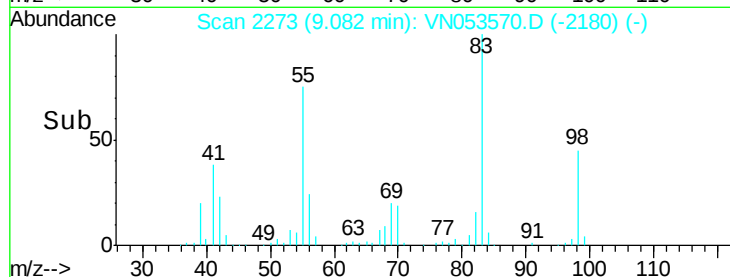
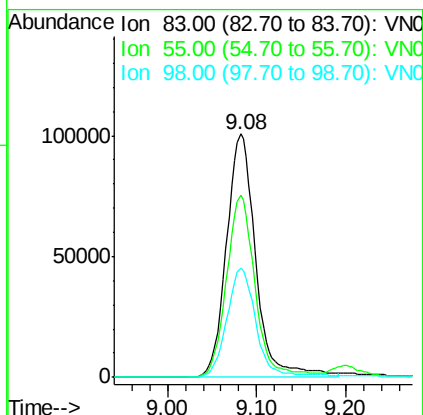
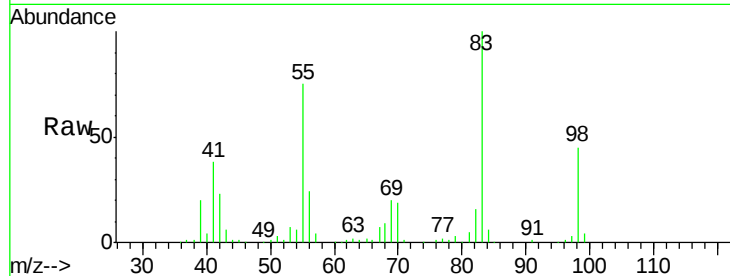




#39
Methvlcvclohexane
Concen: 19.662 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

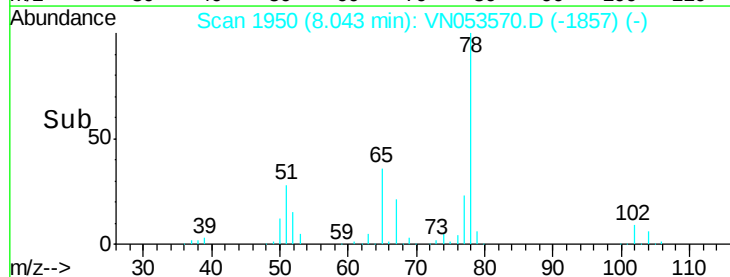
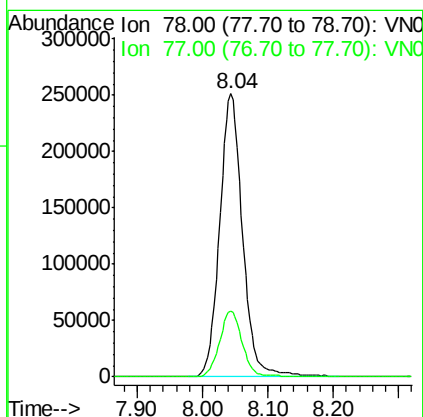
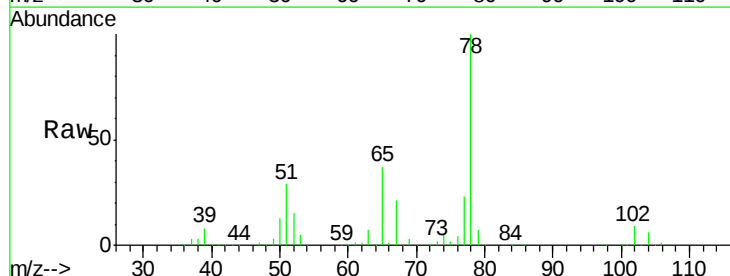
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

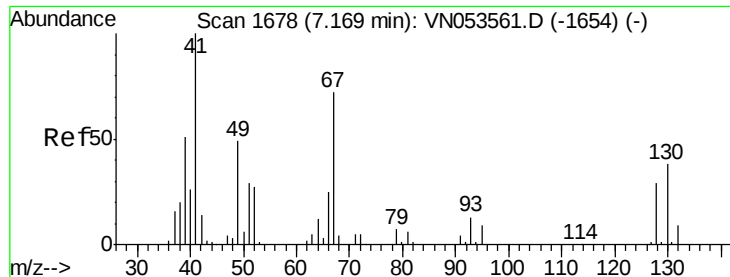
Tot Ion: 83 Resp: 229924
Ion Ratio Lower Upper
83 100
55 74.9 60.1 90.1
98 45.1 36.6 55.0



#40
Benzene
Concen: 20.145 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion: 78 Resp: 612301
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

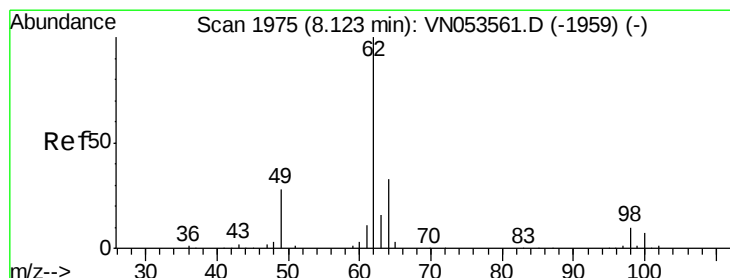
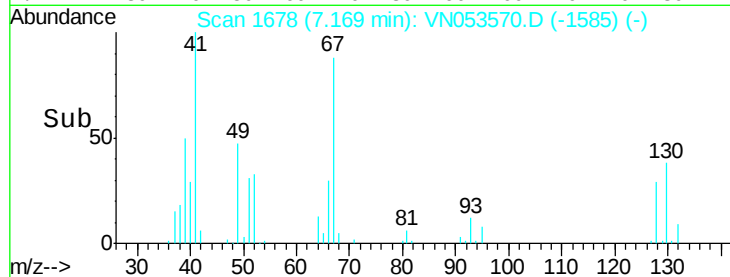
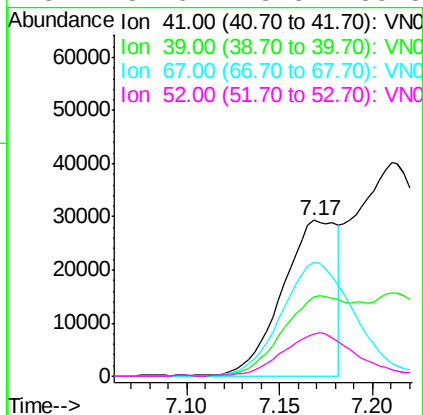
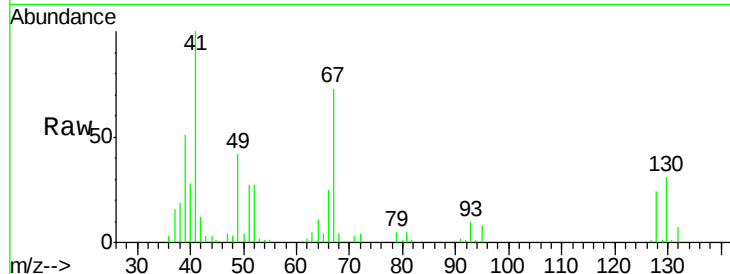




#41
Methacrylonitrile
Concen: 19.650 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

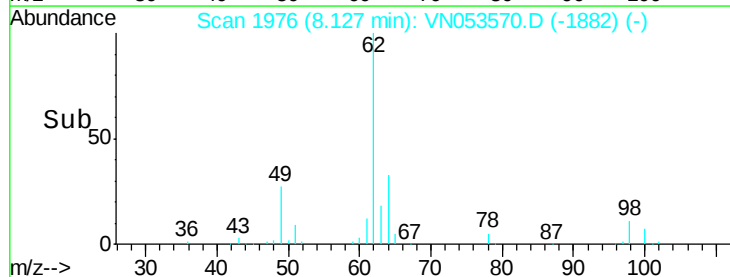
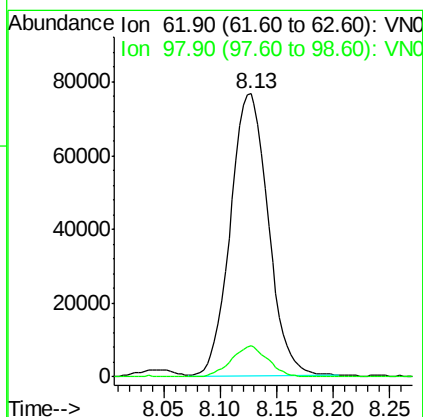
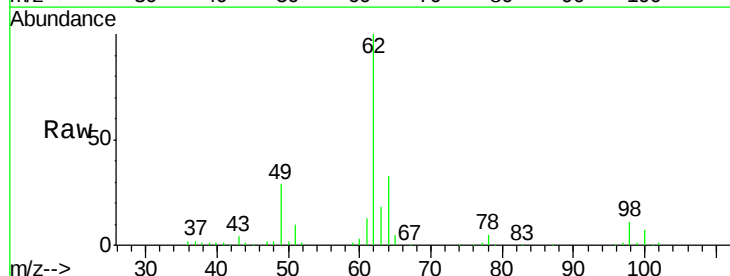
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

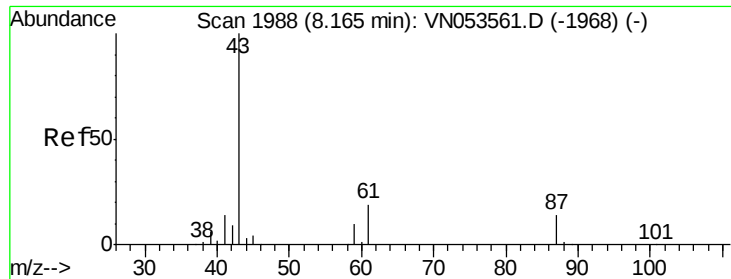
Tot Ion: 41 Resp: 60455
Ion Ratio Lower Upper
41 100
39 64.6 46.8 70.2
67 97.7 63.0 94.6#
52 37.6 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 19.731 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion: 62 Resp: 178070
Ion Ratio Lower Upper
62 100
98 10.6 0.0 19.6





#43

Isopropyl Acetate

Concen: 21.027 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

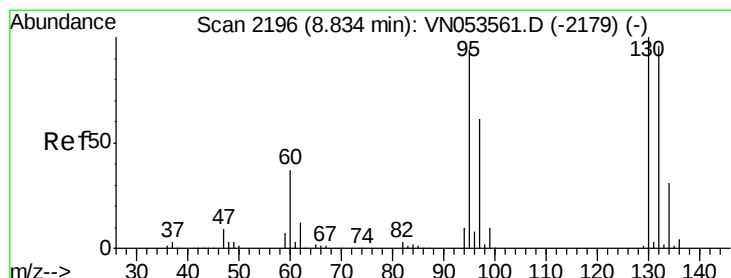
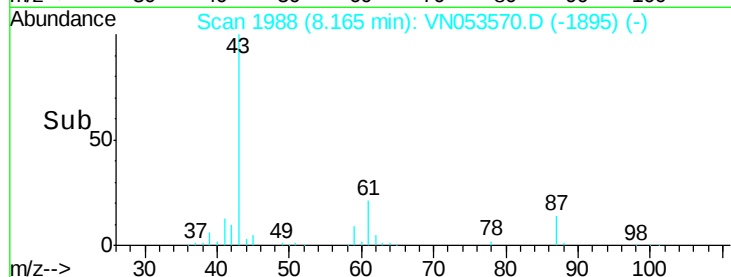
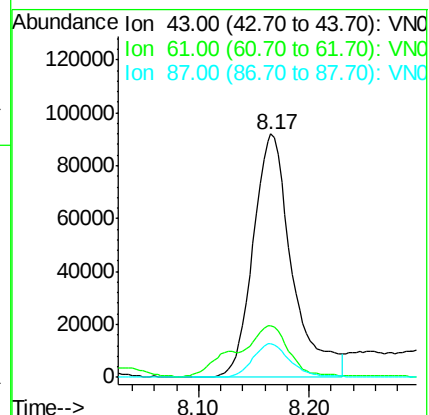
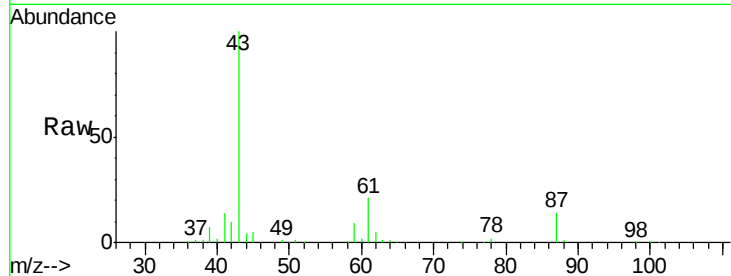
Tot Ion: 43 Resp: 223534

Ion Ratio Lower Upper

43 100

61 19.2 23.9 35.9#

87 13.3 11.0 16.6



#44

Trichloroethene

Concen: 18.863 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053570.D

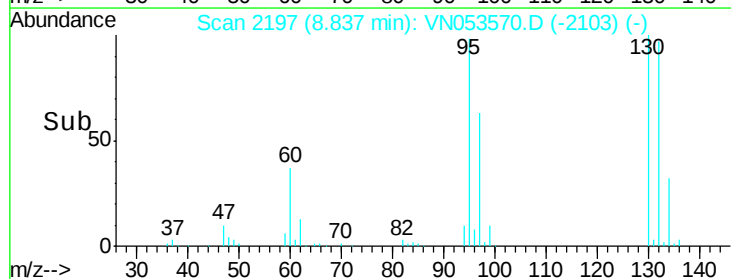
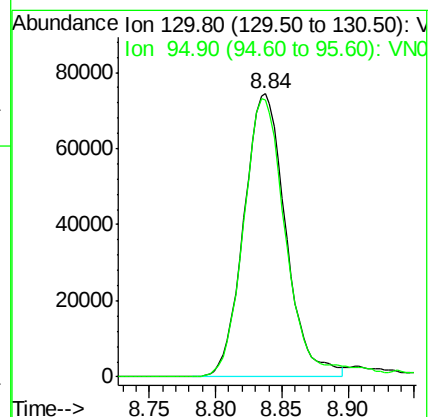
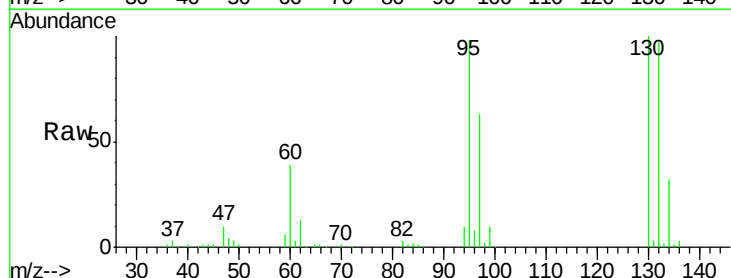
Acq: 30 Jan 2019 14:34

Tgt Ion: 130 Resp: 163225

Ion Ratio Lower Upper

130 100

95 98.0 0.0 191.4

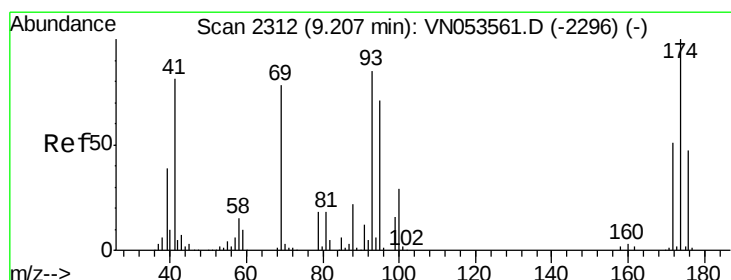
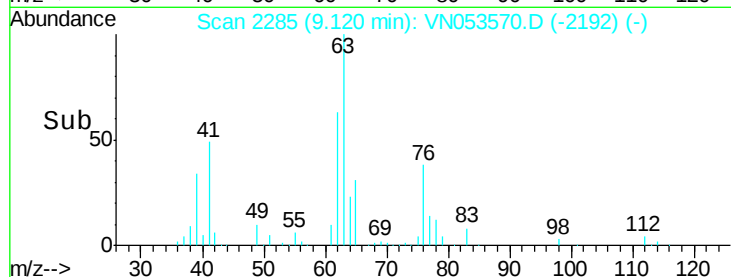
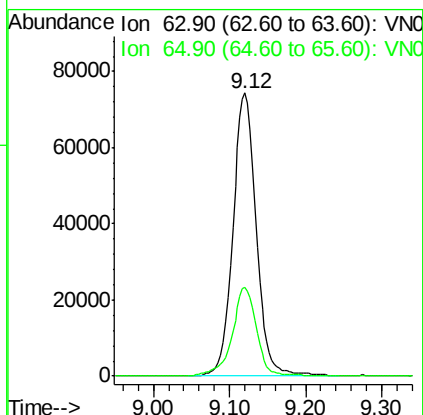
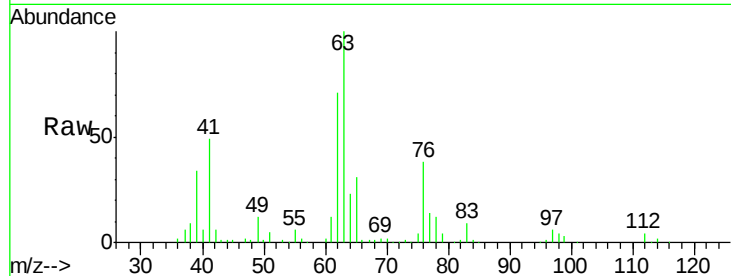




#45
 1,2-Dichloropropane
 Concen: 20.407 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

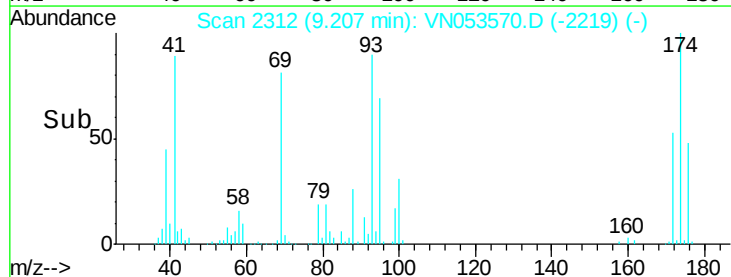
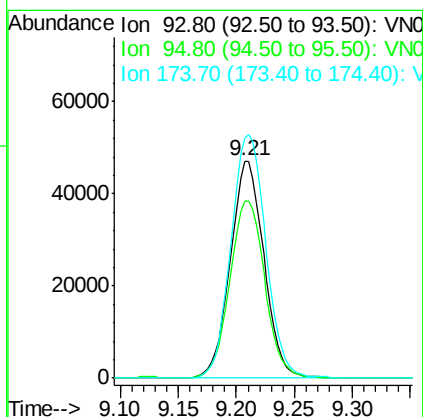
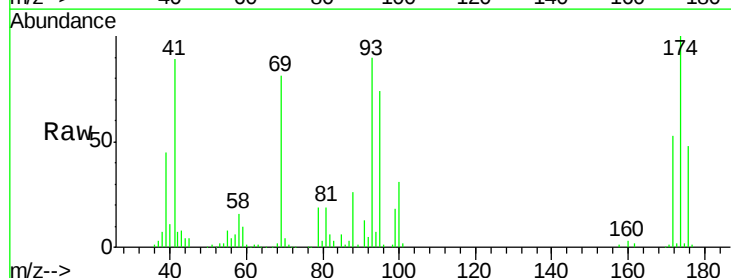
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBSD01

Tot Ion: 63 Resp: 158650
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.4



#46
 Dibromomethane
 Concen: 20.224 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion: 93 Resp: 94779
 Ion Ratio Lower Upper
 93 100
 95 85.0 67.3 100.9
 174 116.1 91.0 136.4

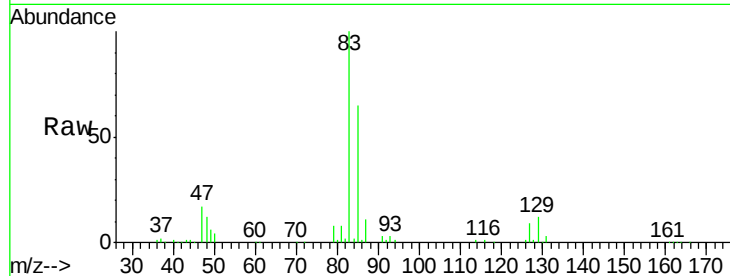




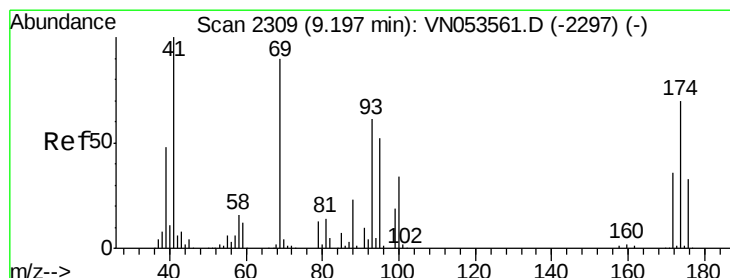
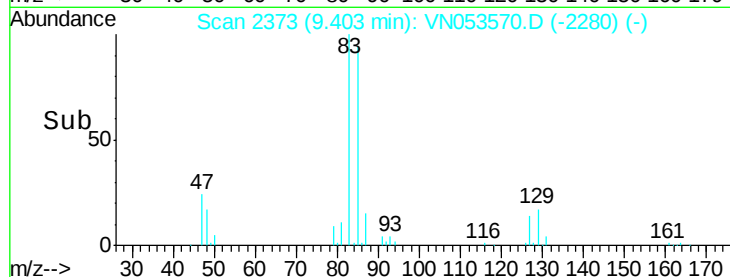
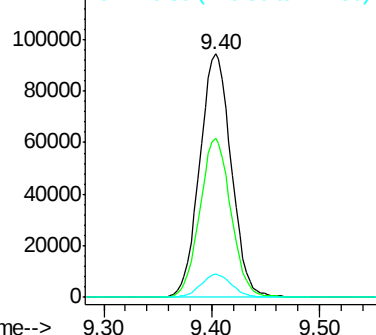
#47
Bromodichloromethane
Concen: 19.773 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tot Ion: 83 Resp: 192670
Ion Ratio Lower Upper
83 100
85 65.2 51.0 76.6
127 9.4 7.0 10.6

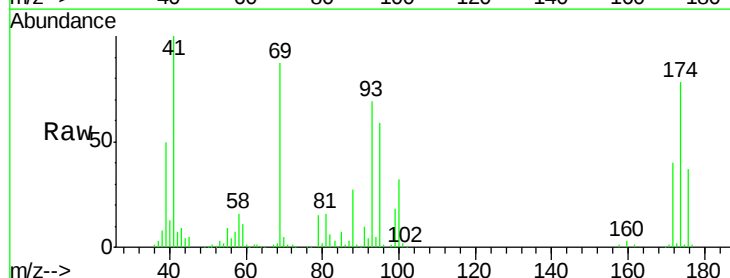


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

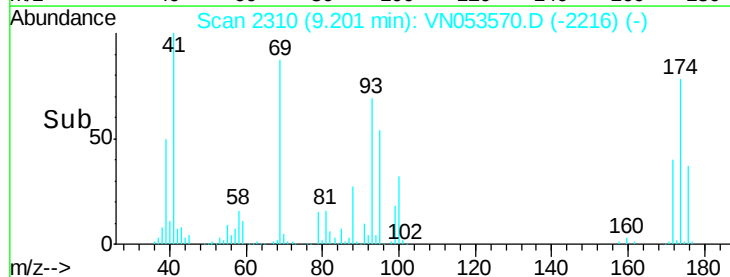
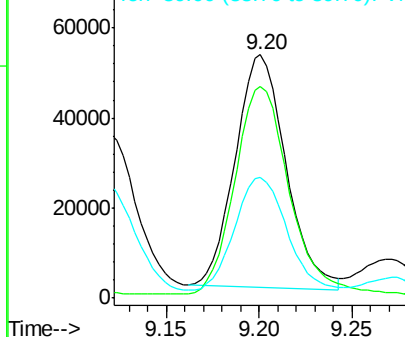


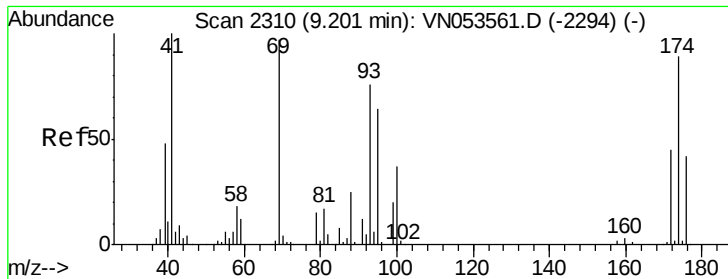
#48
Methyl methacrylate
Concen: 19.441 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion: 41 Resp: 98655
Ion Ratio Lower Upper
41 100
69 101.2 73.8 110.6
39 56.2 40.0 60.0



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





#49

1,4-Dioxane

Concen: 435.487 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

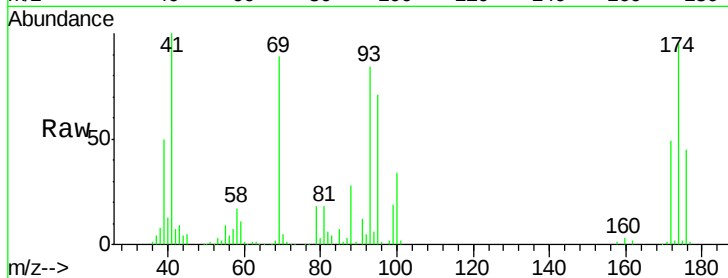
Tot Ion: 88 Resp: 30333

Ion Ratio Lower Upper

88 100

43 28.7 27.8 41.6

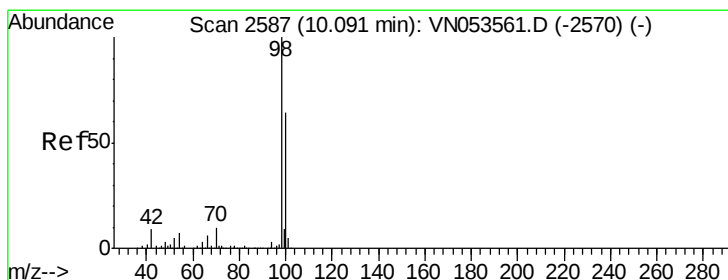
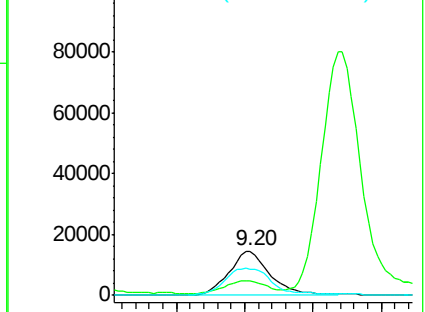
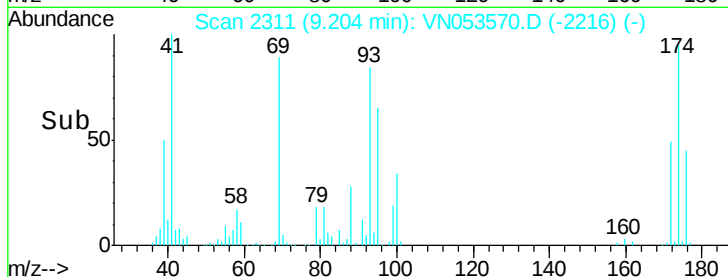
58 71.4 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 435.487 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053570.D

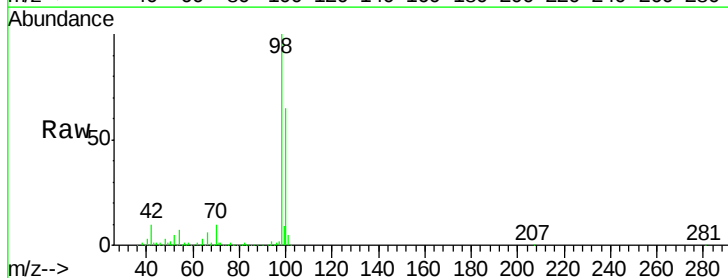
Acq: 30 Jan 2019 14:34

Tgt Ion: 98 Resp: 1278924

Ion Ratio Lower Upper

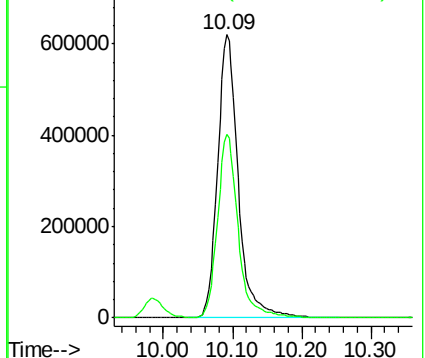
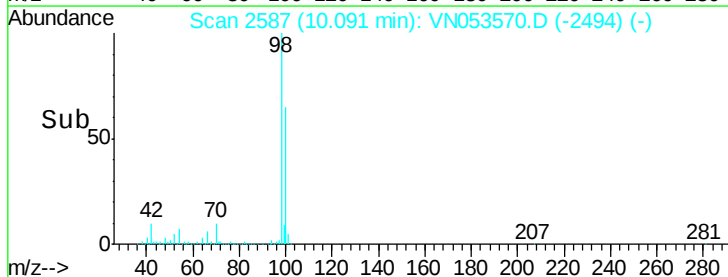
98 100

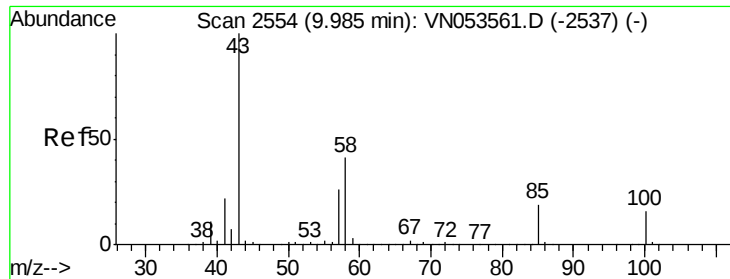
100 64.9 51.4 77.0



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: 112.488 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

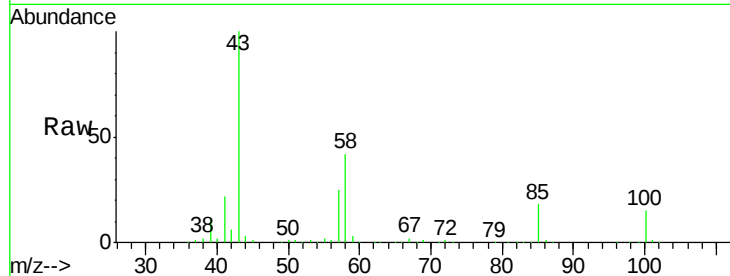
VN0130WBSD01

Tot Ion: 43 Resp: 587647

Ion Ratio Lower Upper

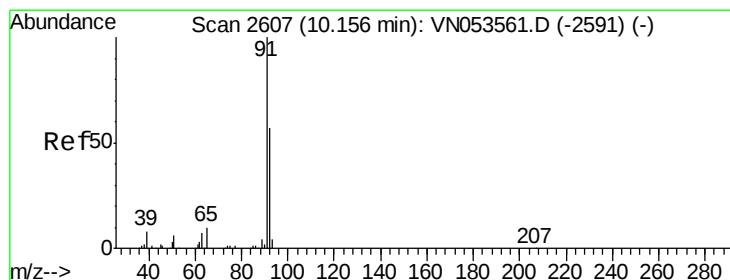
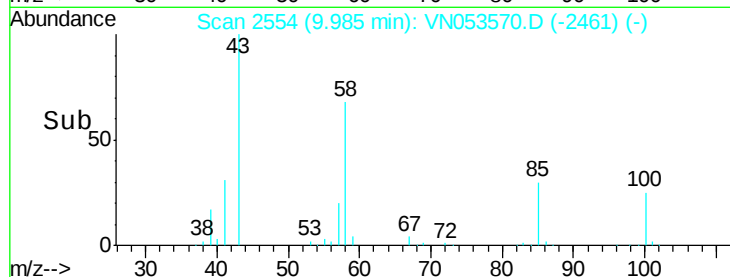
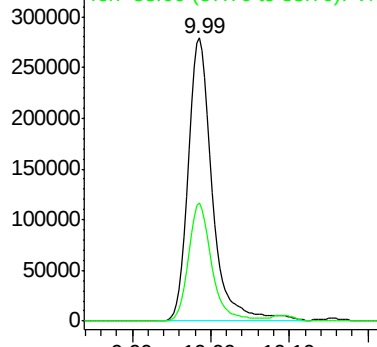
43 100

58 40.1 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.341 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053570.D

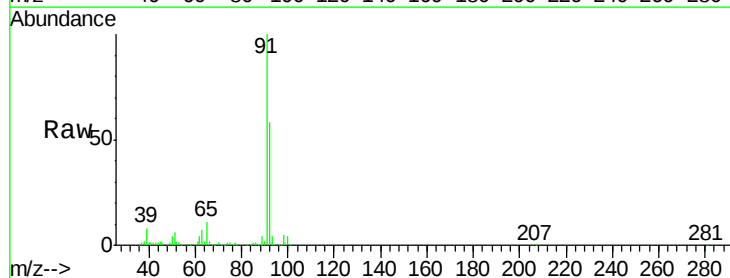
Acq: 30 Jan 2019 14:34

Tgt Ion: 92 Resp: 366924

Ion Ratio Lower Upper

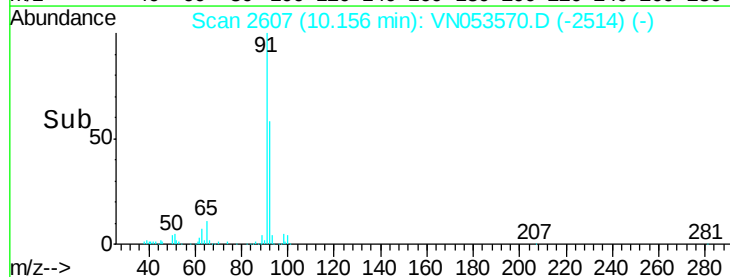
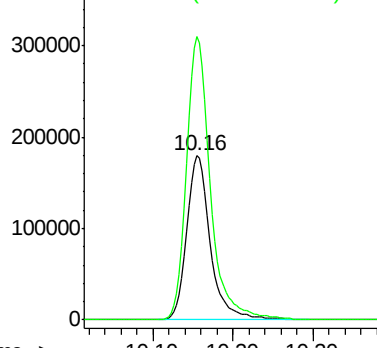
92 100

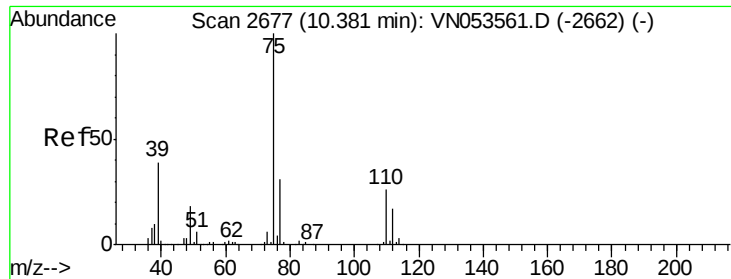
91 175.0 139.9 209.9



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: 19.616 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

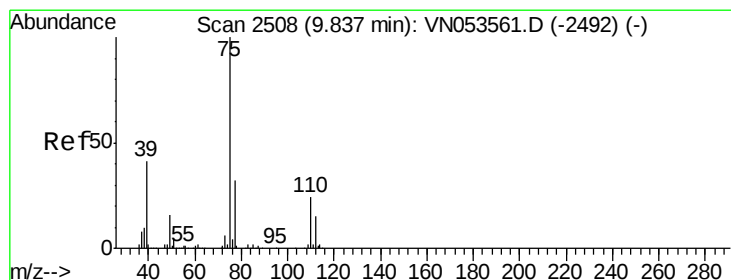
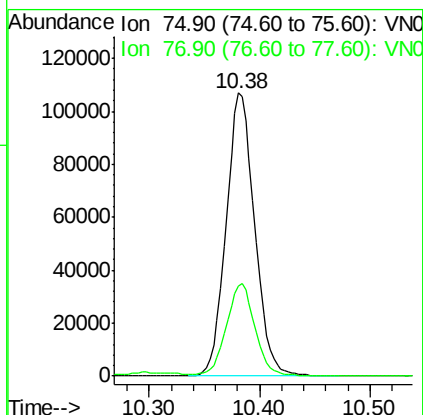
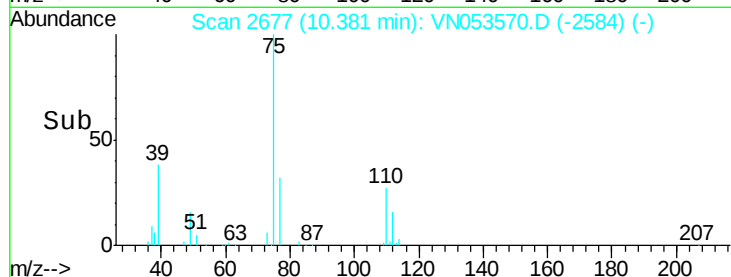
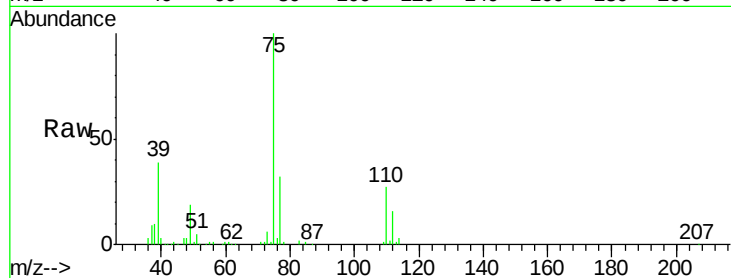
VN0130WBSD01

Tot Ion: 75 Resp: 191391

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.719 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

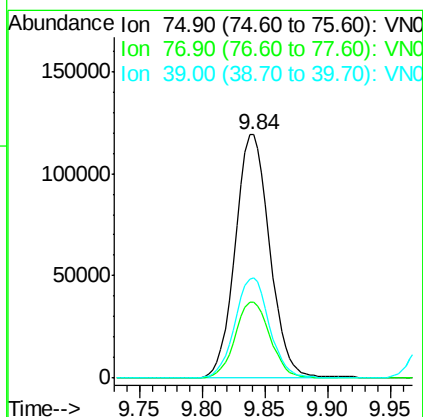
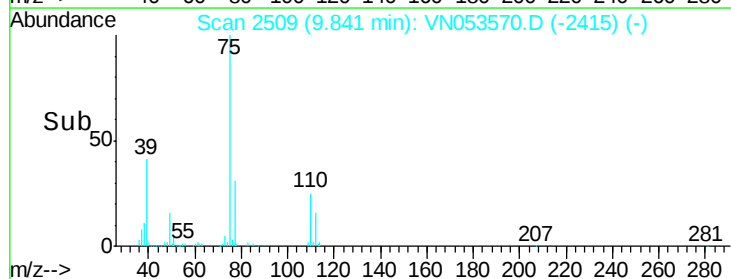
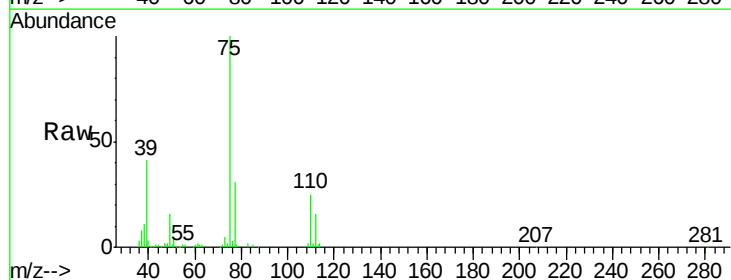
Tgt Ion: 75 Resp: 227985

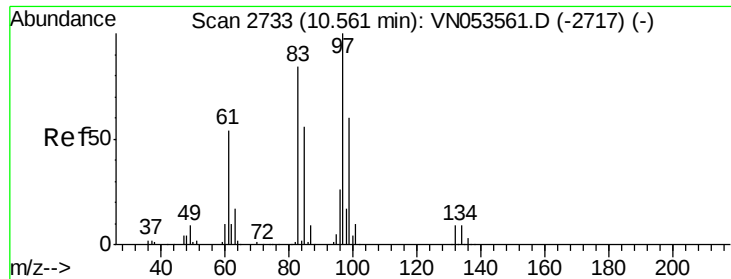
Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.6

39 40.9 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 21.225 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

Tot Ion: 97 Resp: 137965

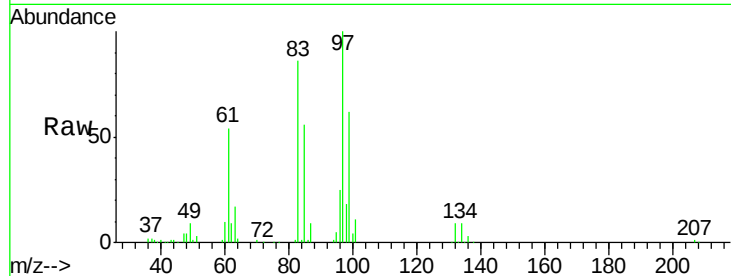
Ion Ratio Lower Upper

97 100

83 85.7 70.1 105.1

85 55.9 45.4 68.0

99 62.2 49.8 74.8

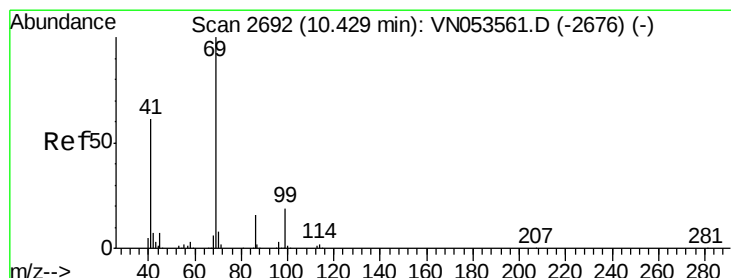
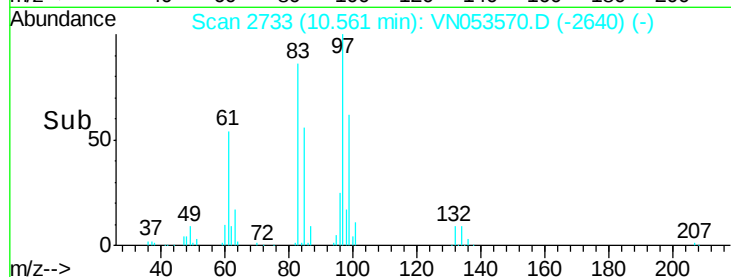
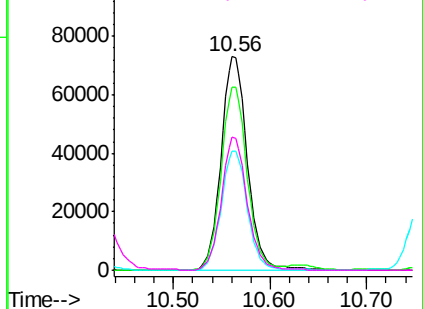


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.958 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

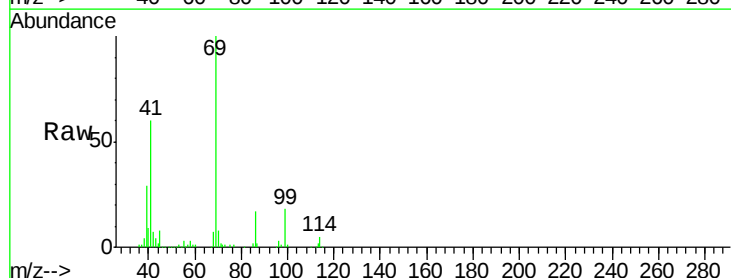
Tgt Ion: 69 Resp: 161163

Ion Ratio Lower Upper

69 100

41 60.9 49.4 74.0

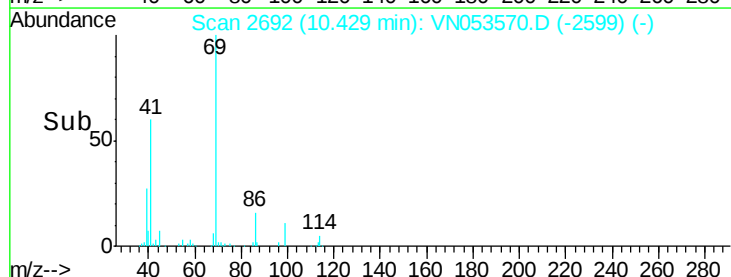
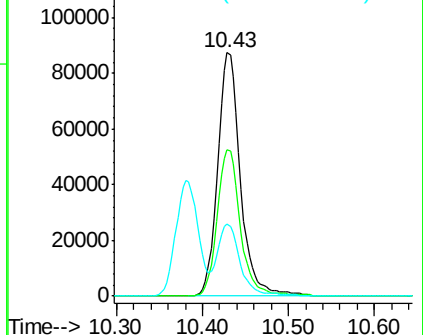
39 28.1 23.3 34.9

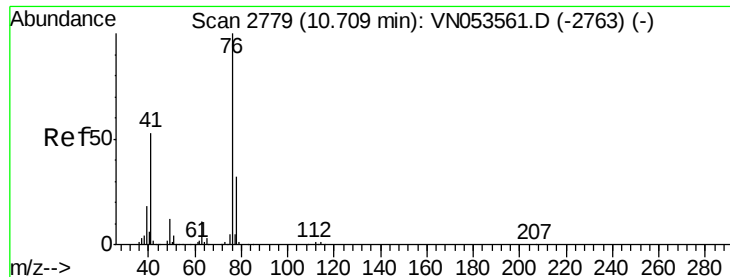


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.519 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampled :

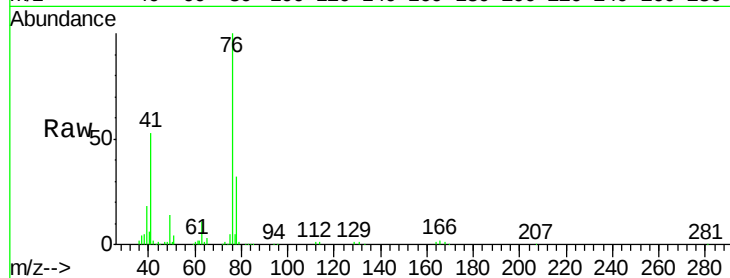
VN0130WBSD01

Tot Ion: 76 Resp: 227946

Ion Ratio Lower Upper

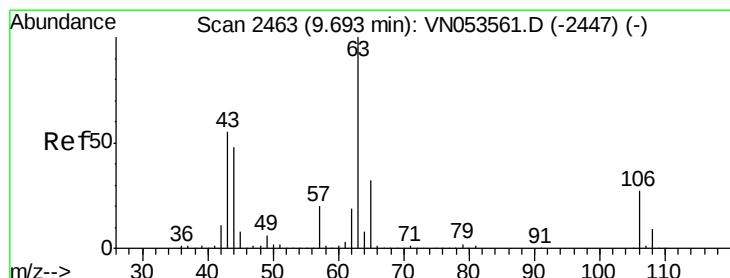
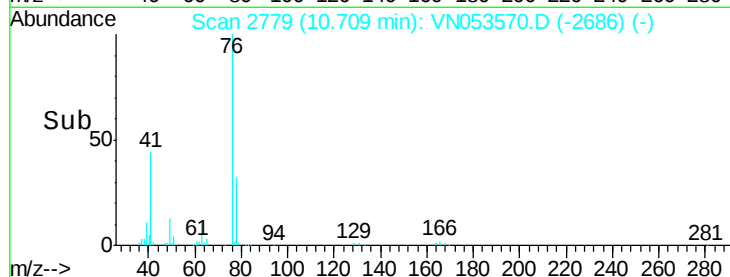
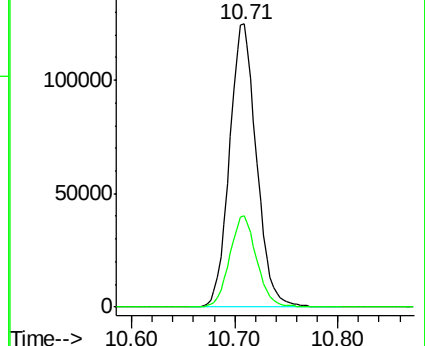
76 100

78 32.2 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 99.883 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053570.D

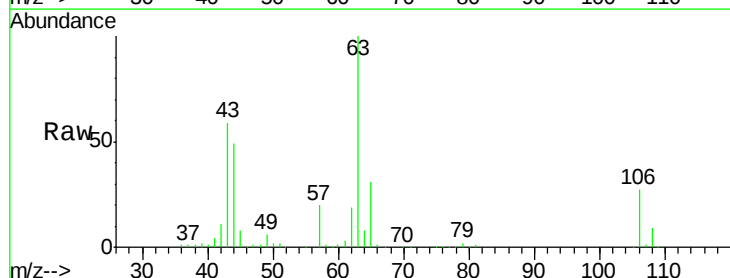
Acq: 30 Jan 2019 14:34

Tgt Ion: 63 Resp: 452648

Ion Ratio Lower Upper

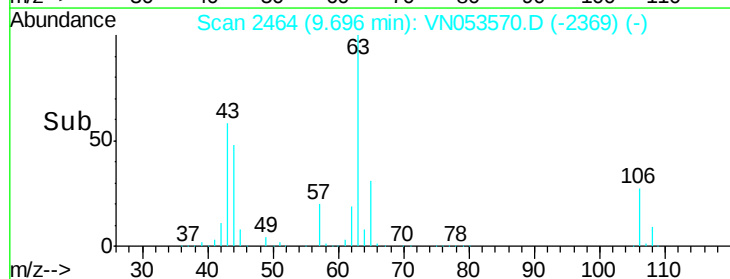
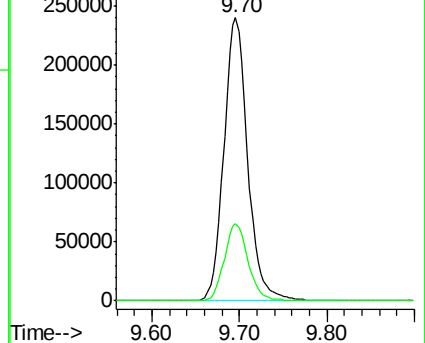
63 100

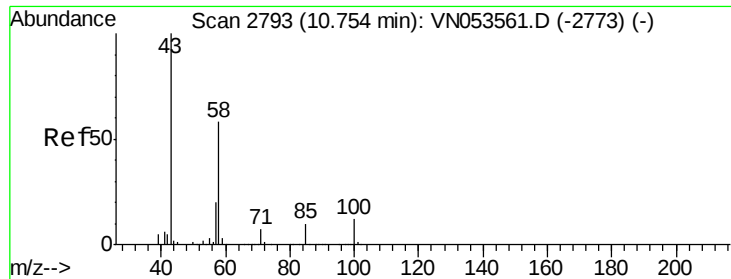
106 27.4 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

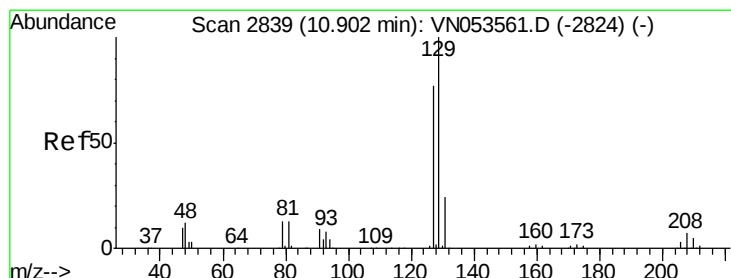
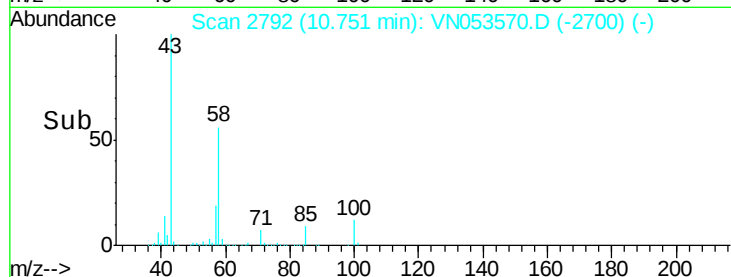
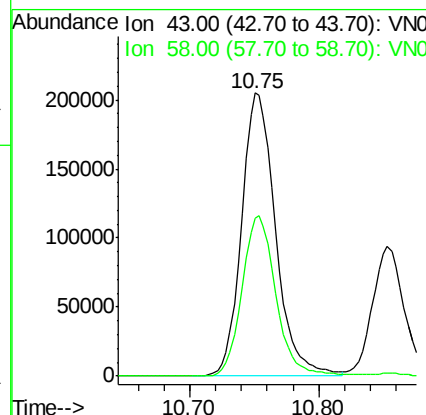
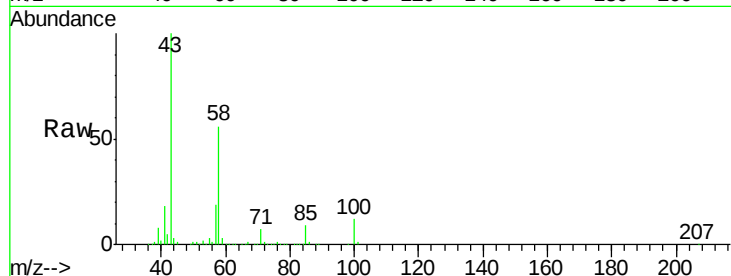




#59
2-Hexanone
Concen: 105.441 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

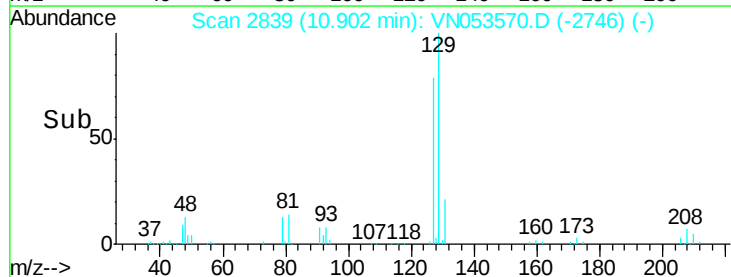
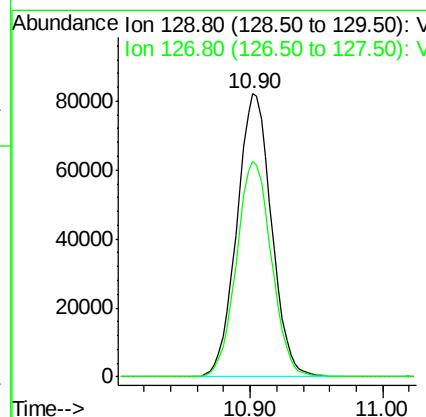
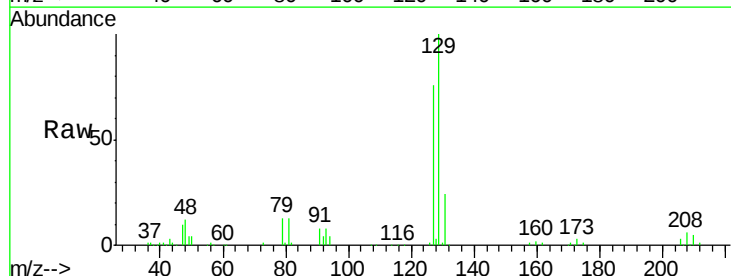
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

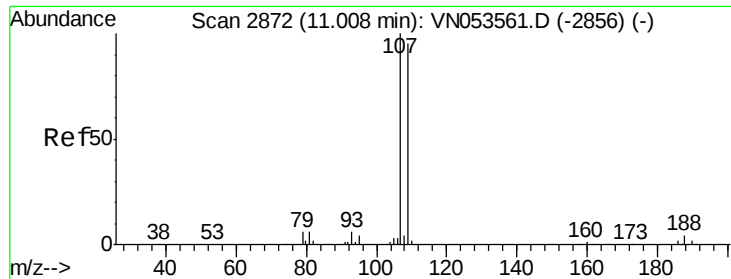
Tot Ion: 43 Resp: 373947
Ion Ratio Lower Upper
43 100
58 56.7 28.6 85.8



#60
Dibromochloromethane
Concen: 20.313 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion: 129 Resp: 148895
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.955 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

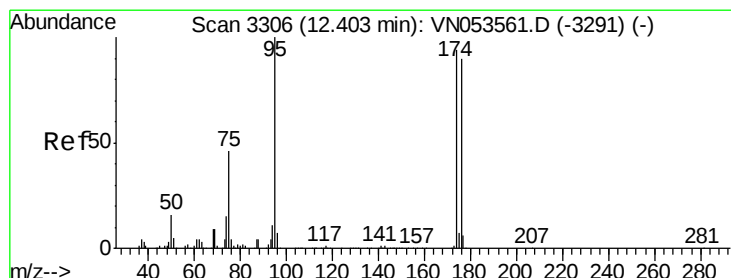
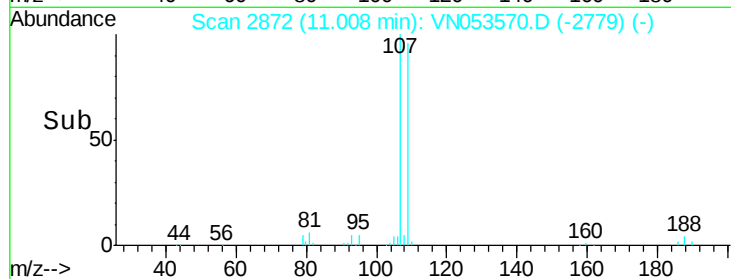
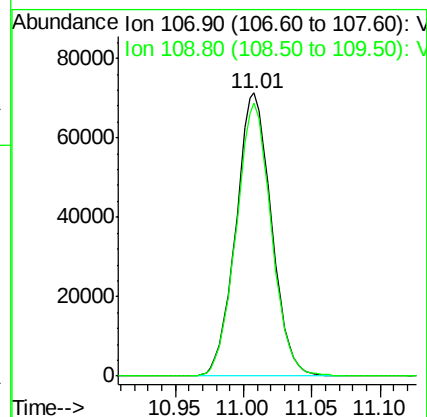
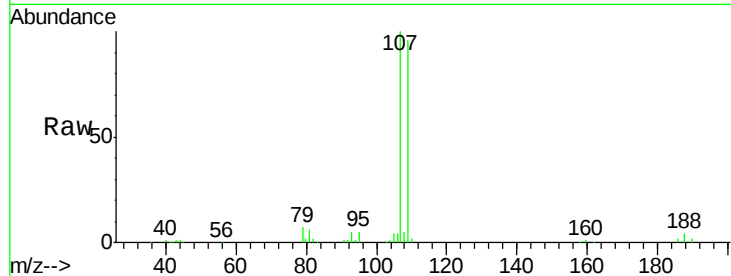
VN0130WBSD01

Tot Ion:107 Resp: 128387

Ion Ratio Lower Upper

107 100

109 96.0 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 19.955 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

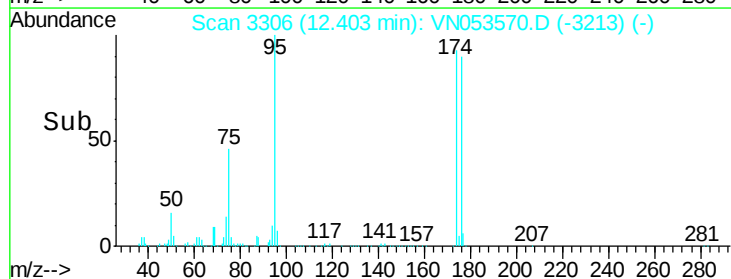
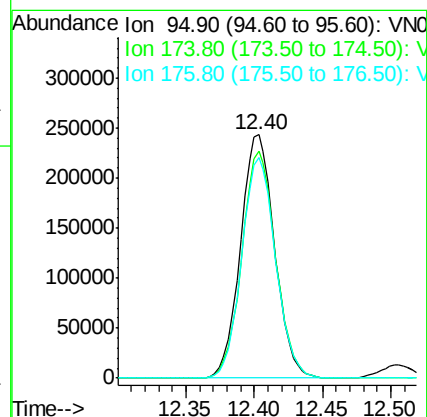
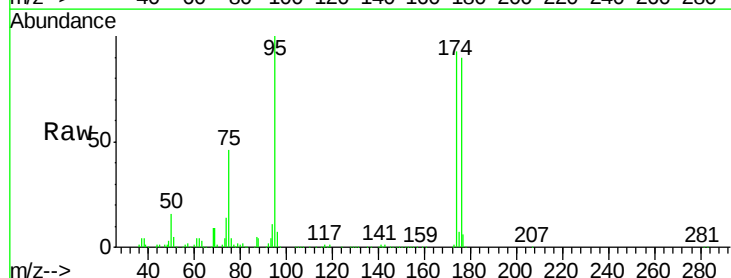
Tgt Ion: 95 Resp: 421891

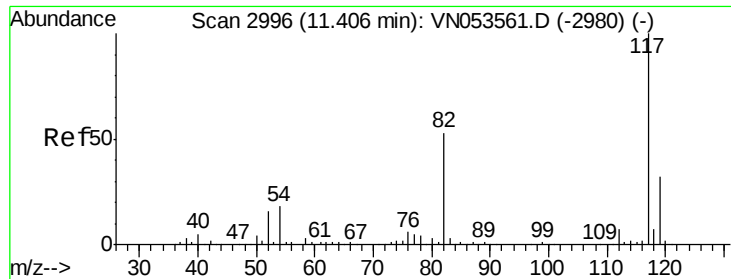
Ion Ratio Lower Upper

95 100

174 92.1 0.0 183.2

176 90.1 0.0 177.4

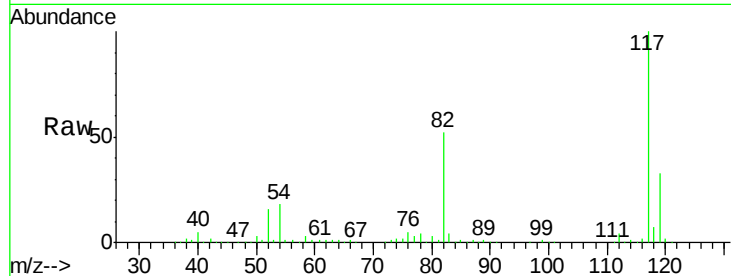




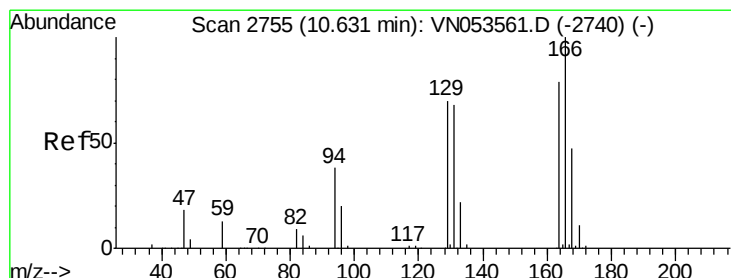
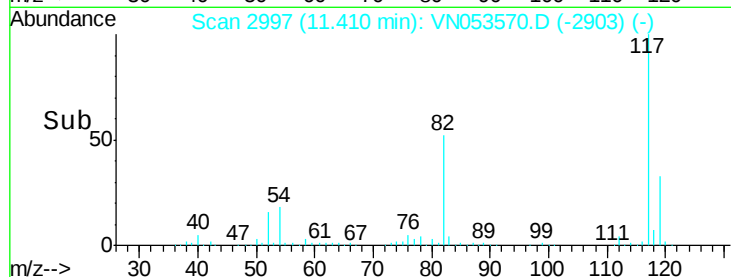
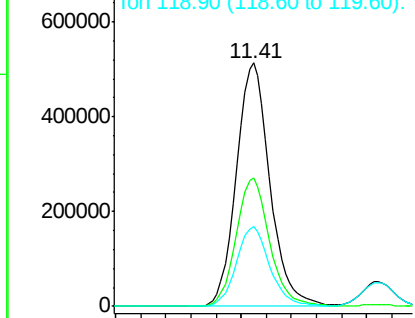
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tot Ion:117 Resp: 956311
Ion Ratio Lower Upper
117 100
82 52.5 42.9 64.3
119 32.7 26.0 39.0

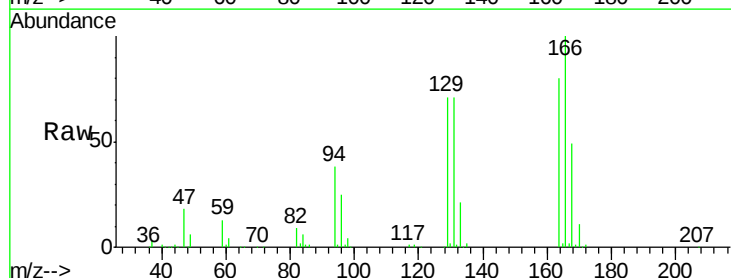


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

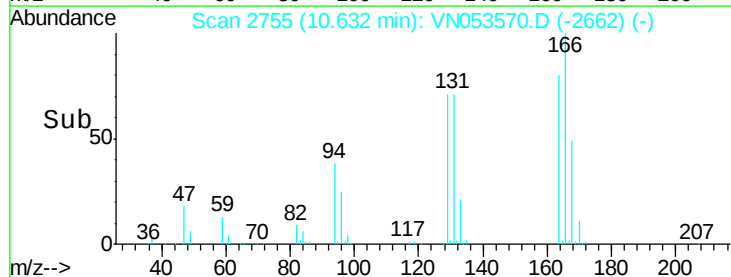
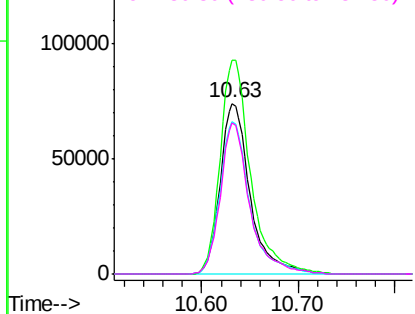


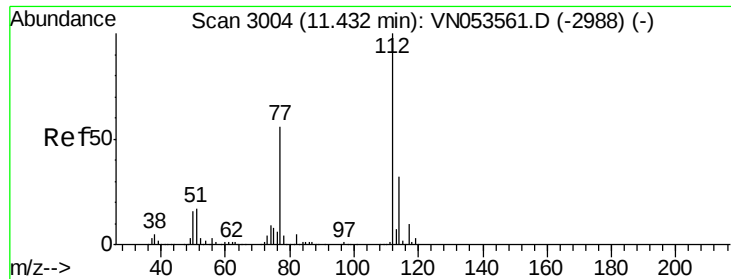
#64
Tetrachloroethene
Concen: 19.408 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion:164 Resp: 159097
Ion Ratio Lower Upper
164 100
166 125.0 102.2 153.4
129 89.3 72.6 109.0
131 88.6 69.5 104.3



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: 19.470 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

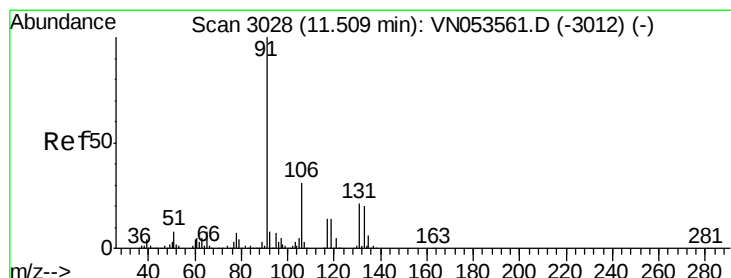
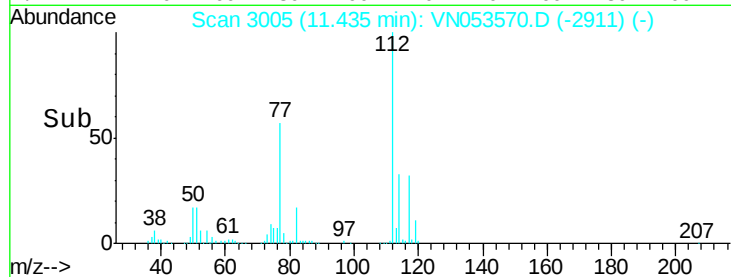
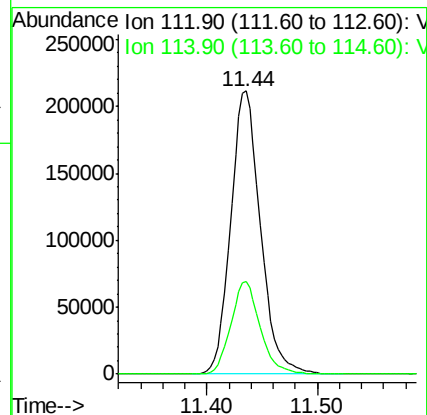
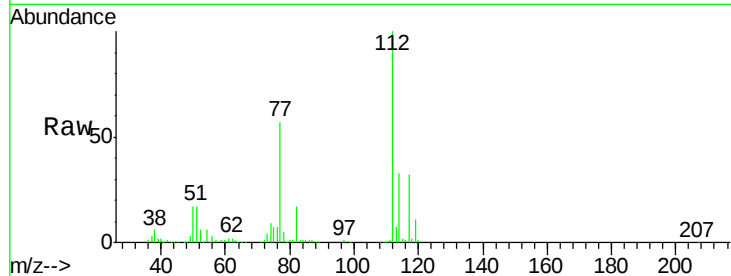
VN0130WBSD01

Tot Ion:112 Resp: 395489

Ion Ratio Lower Upper

112 100

114 32.8 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 19.769 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

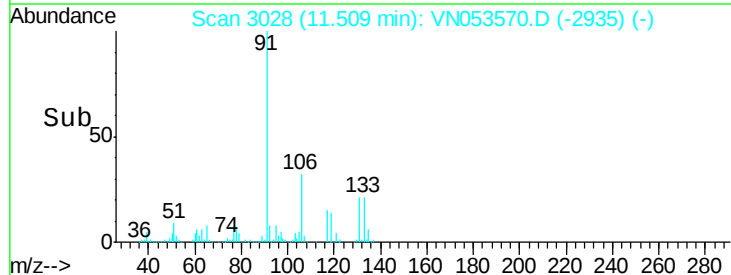
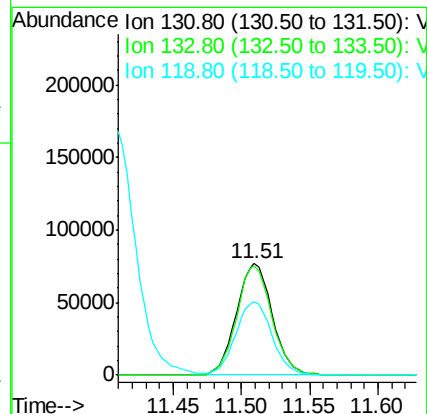
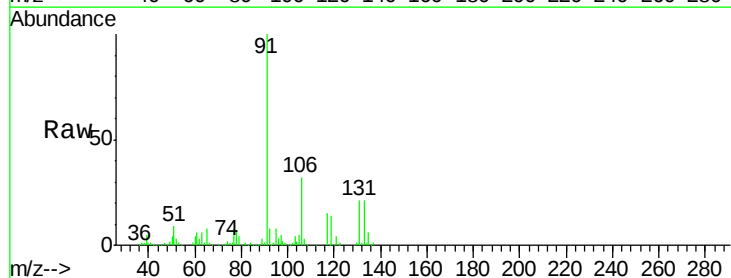
Tgt Ion:131 Resp: 140242

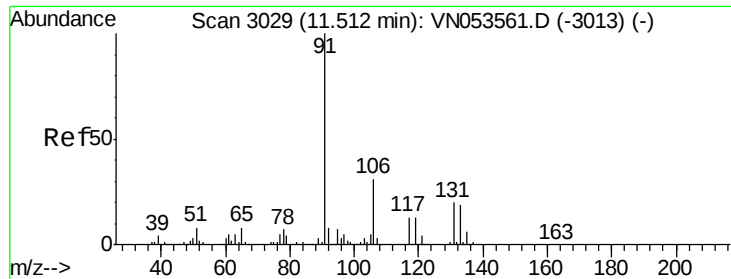
Ion Ratio Lower Upper

131 100

133 96.3 48.0 144.0

119 66.7 33.5 100.5

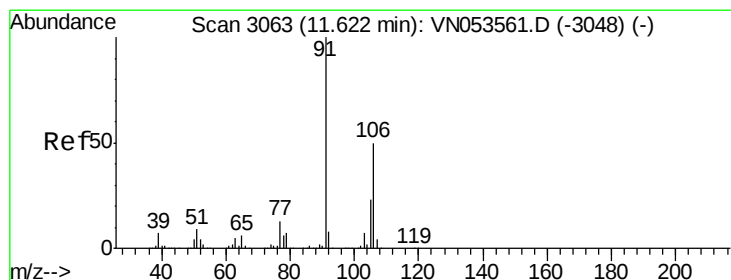
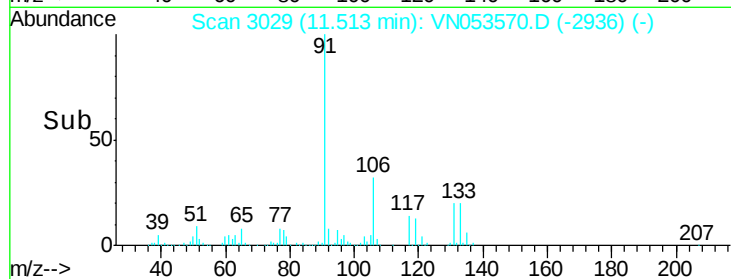
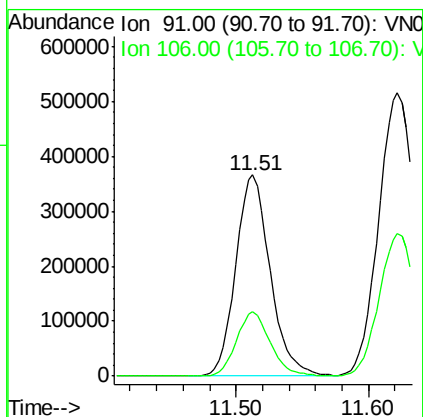
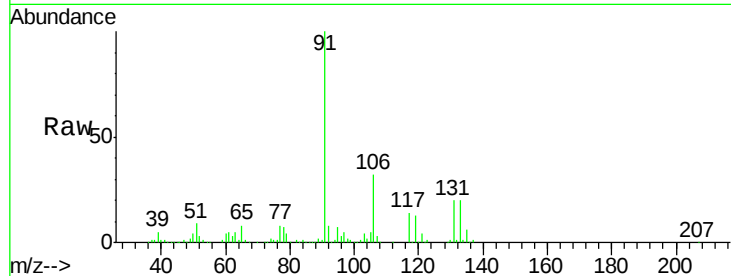




#67
Ethyl Benzene
Concen: 19.850 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

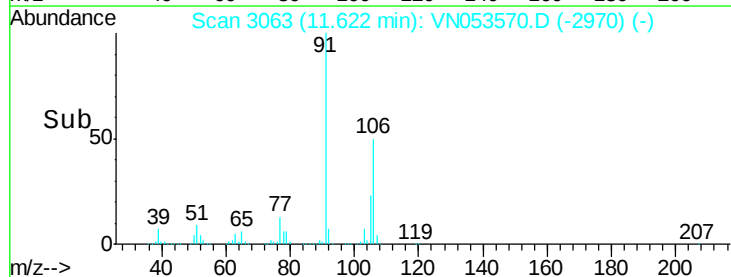
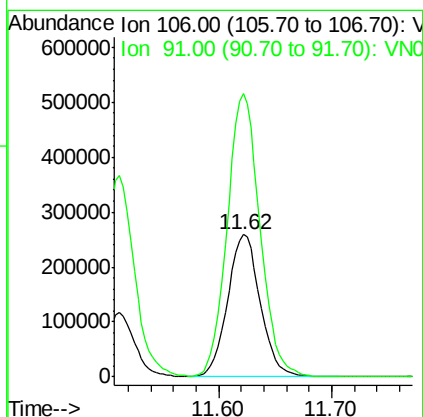
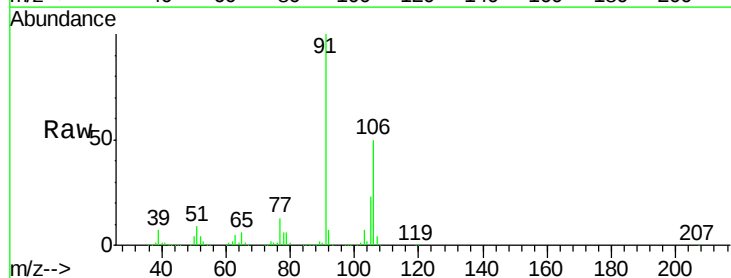
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

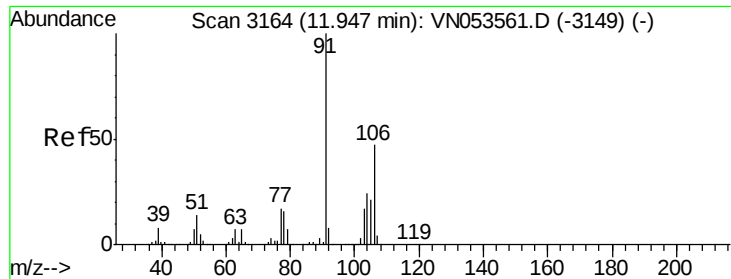
Tot Ion: 91 Resp: 662358
Ion Ratio Lower Upper
91 100
106 32.2 25.0 37.6



#68
m/p-Xylenes
Concen: 40.792 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion: 106 Resp: 519504
Ion Ratio Lower Upper
106 100
91 199.8 161.4 242.2

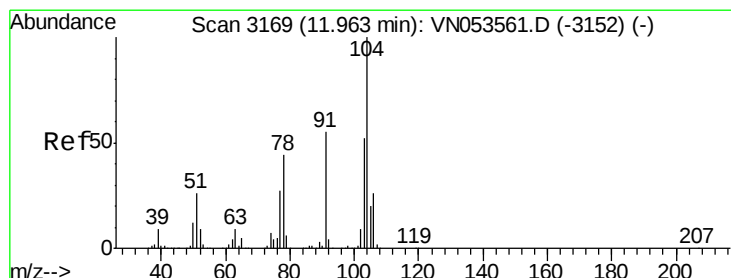
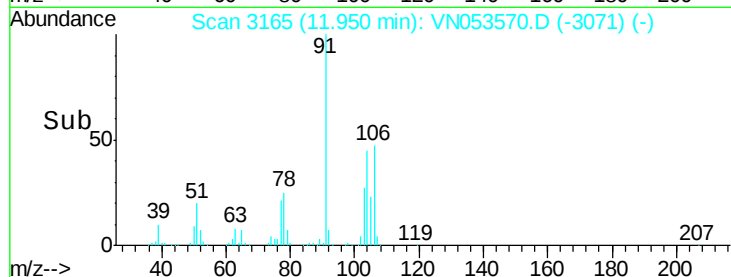
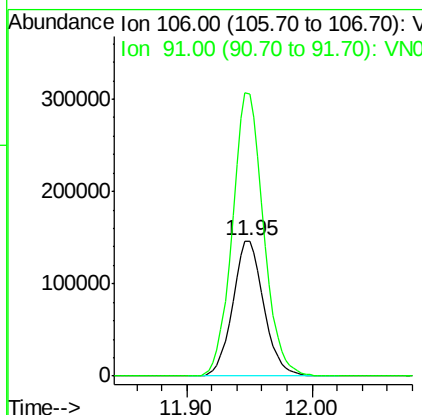
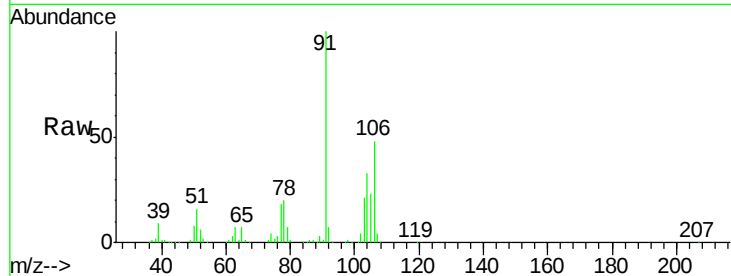




#69
o-Xylene
Concen: 20.391 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

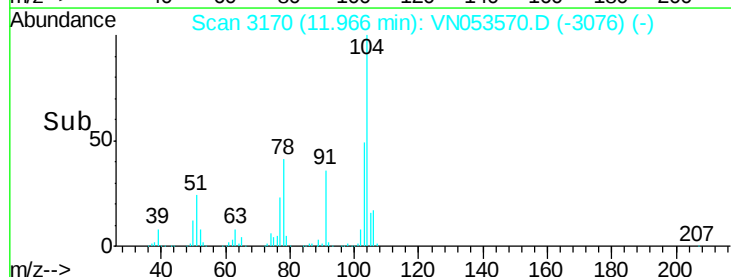
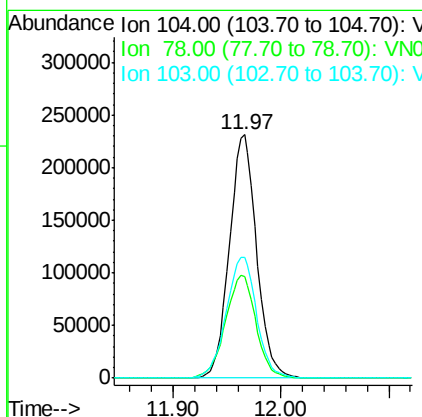
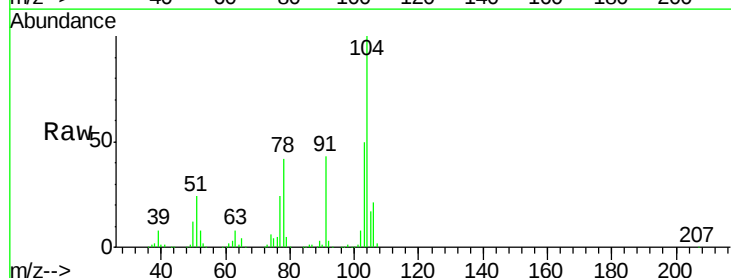
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

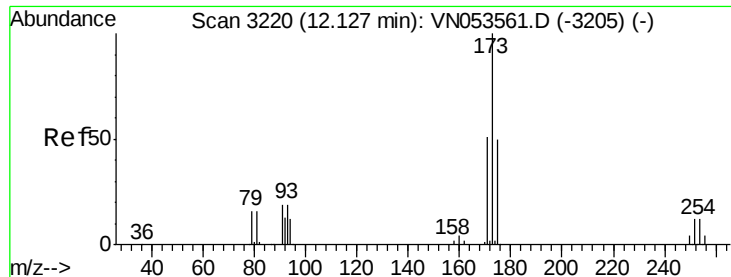
Tot Ion:106 Resp: 250878
Ion Ratio Lower Upper
106 100
91 210.6 106.9 320.8



#70
Styrene
Concen: 20.408 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion:104 Resp: 406976
Ion Ratio Lower Upper
104 100
78 47.2 38.2 57.2
103 55.3 44.4 66.6

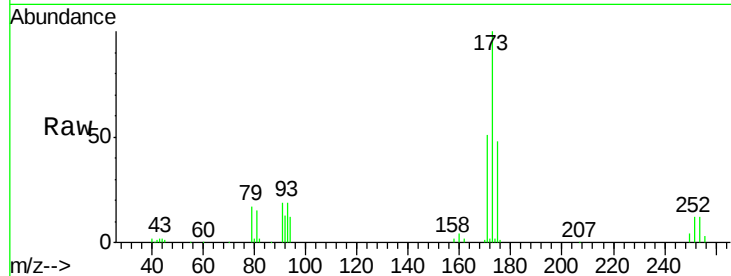




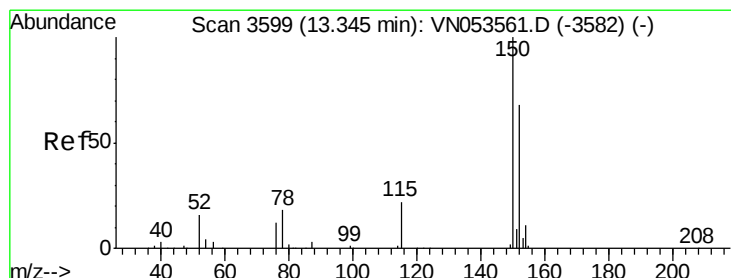
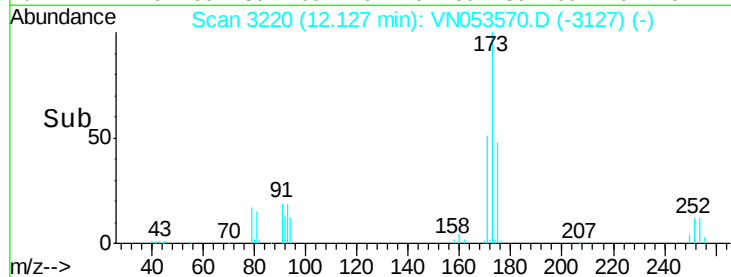
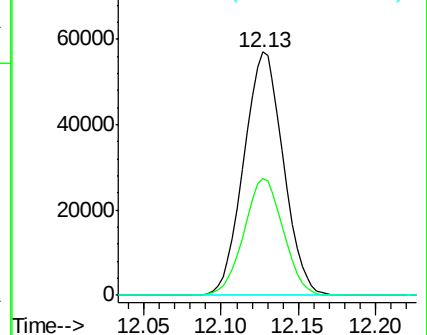
#71
Bromoform
Concen: 20.935 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBSD01

Tot Ion:173 Resp: 101821
Ion Ratio Lower Upper
173 100
175 47.4 24.6 74.0
254 0.0 0.2 0.2#

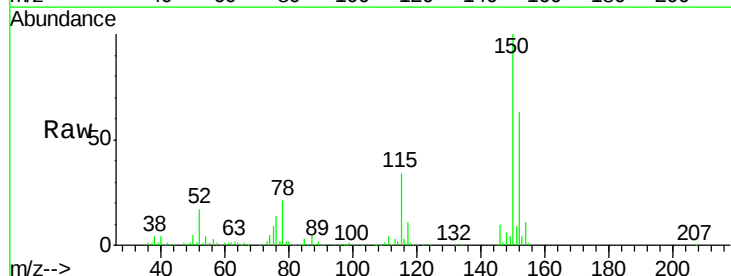


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

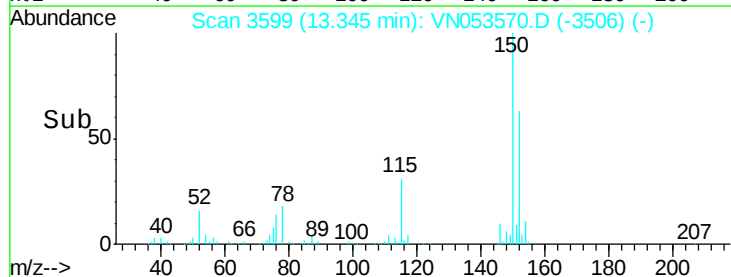
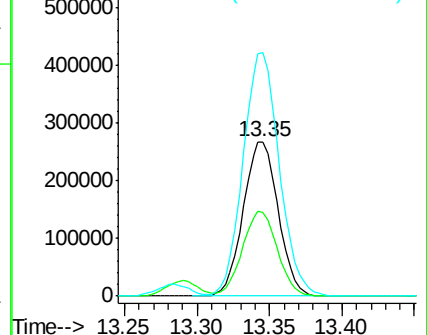


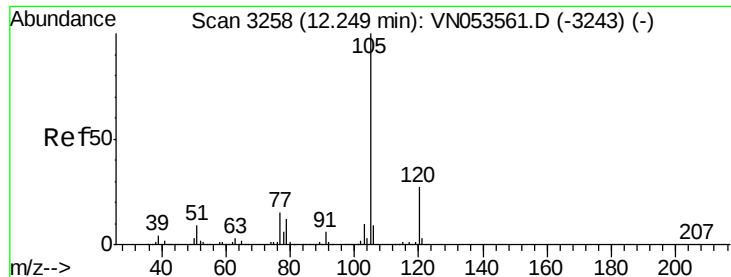
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion:152 Resp: 448183
Ion Ratio Lower Upper
152 100
115 54.9 27.8 83.4
150 163.7 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.535 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

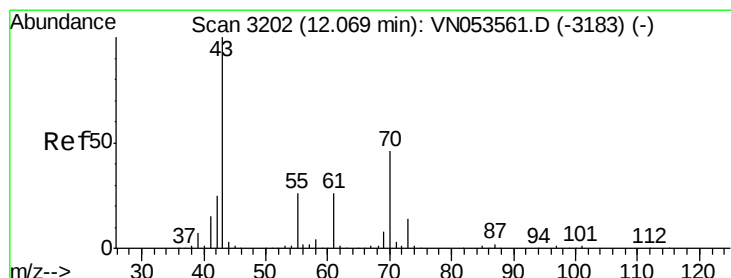
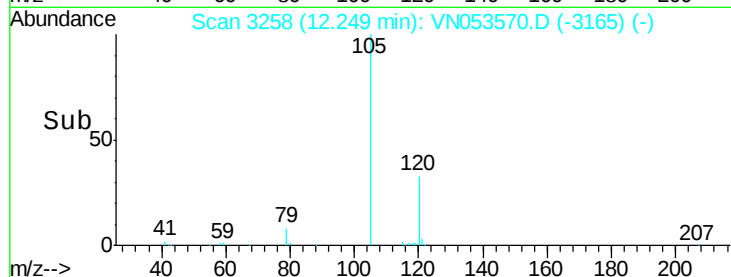
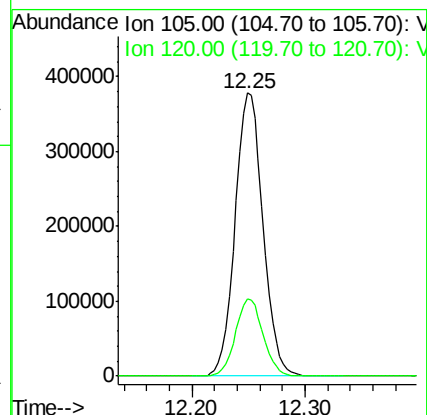
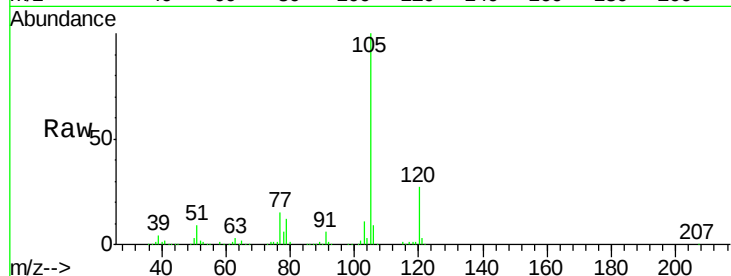
VN0130WBSD01

Tot Ion:105 Resp: 646977

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



#74

N-ethyl acetate

Concen: 21.300 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Tgt Ion: 43 Resp: 161378

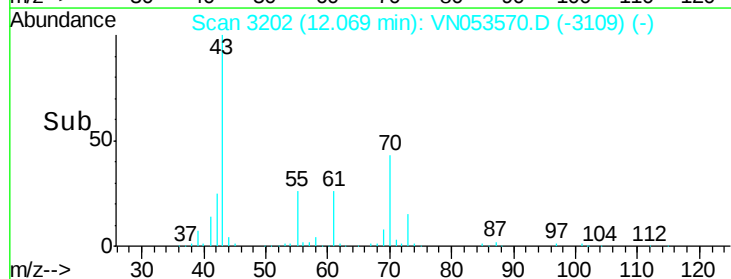
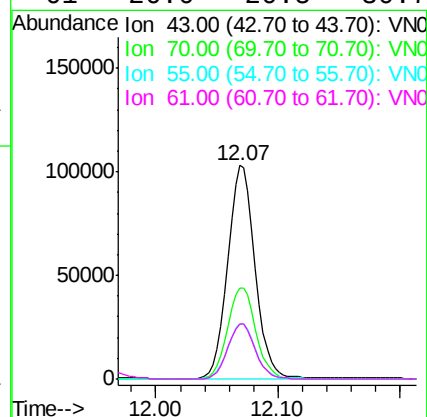
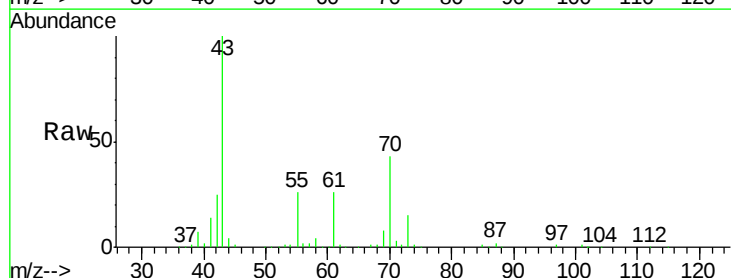
Ion Ratio Lower Upper

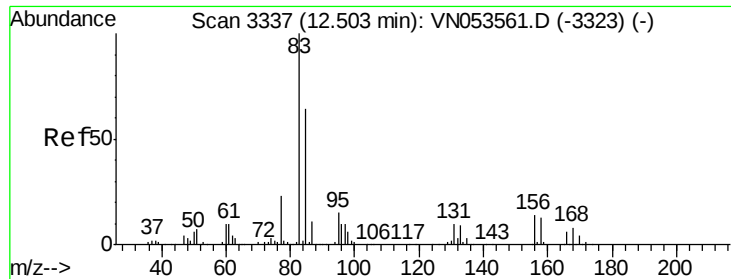
43 100

70 44.7 35.4 53.2

55 27.0 20.9 31.3

61 26.0 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.048 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

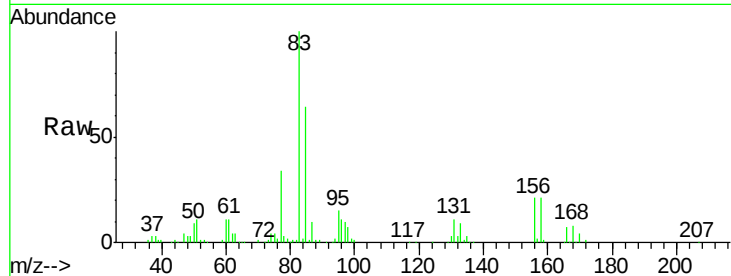
Tot Ion: 83 Resp: 158708

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

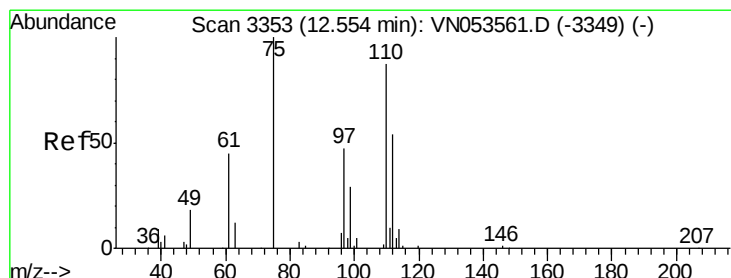
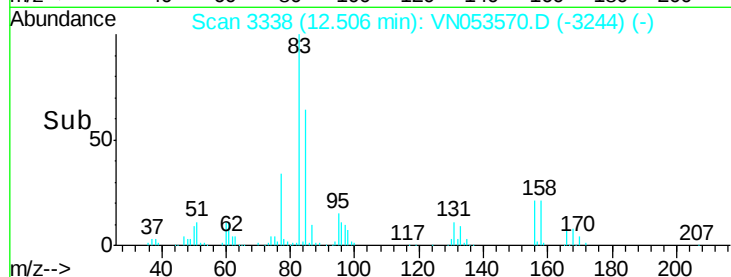
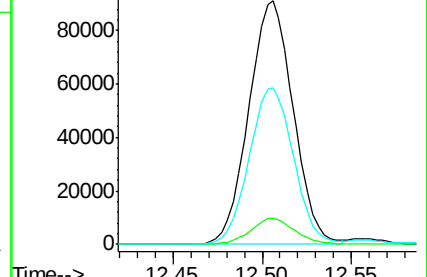
85 64.2 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 33.718 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053570.D

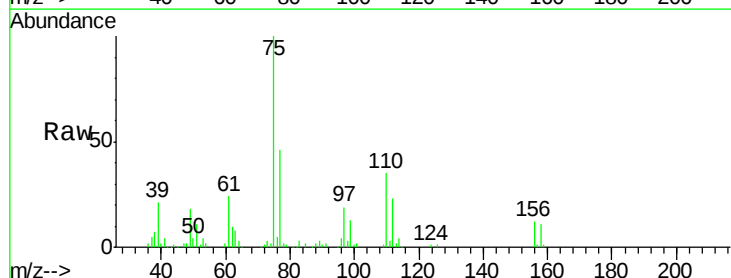
Acq: 30 Jan 2019 14:34

Tgt Ion: 75 Resp: 194104

Ion Ratio Lower Upper

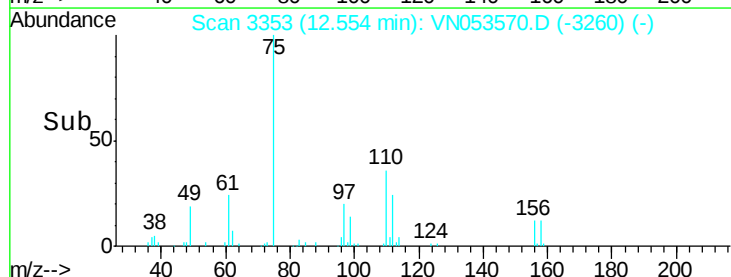
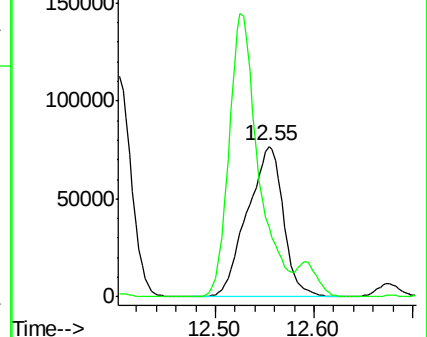
75 100

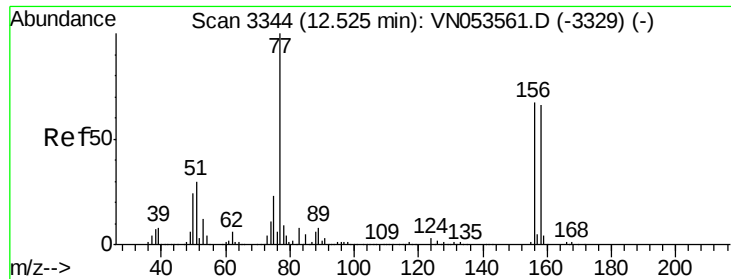
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.368 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

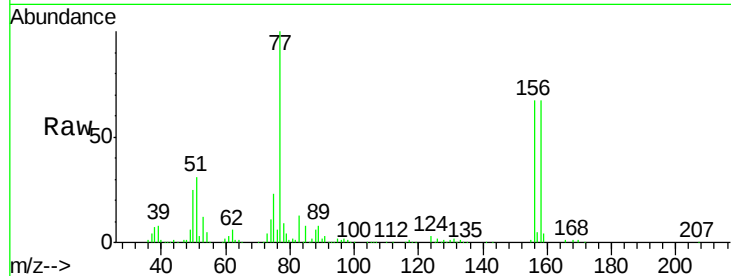
Tot Ion:156 Resp: 172948

Ion Ratio Lower Upper

156 100

77 174.1 87.9 263.8

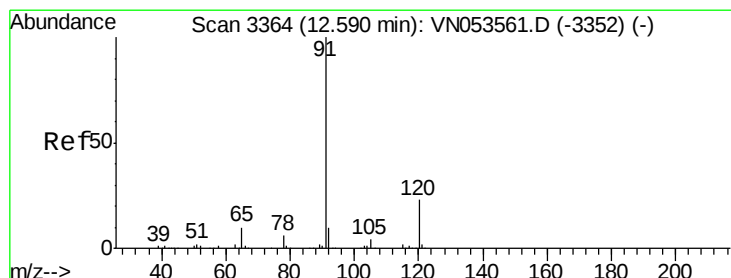
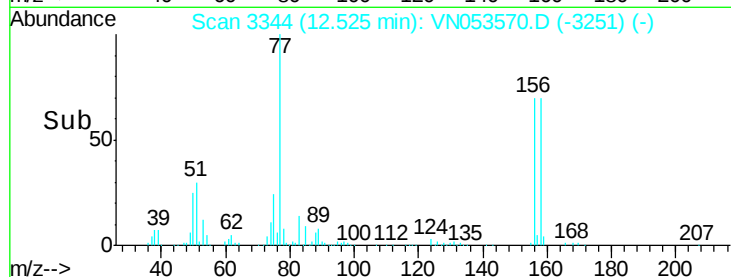
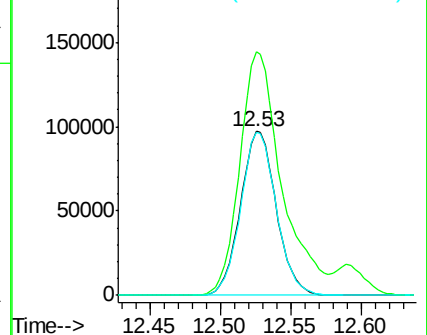
158 99.0 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.452 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053570.D

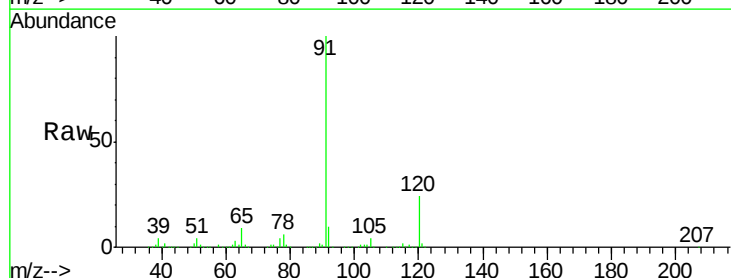
Acq: 30 Jan 2019 14:34

Tgt Ion: 91 Resp: 744914

Ion Ratio Lower Upper

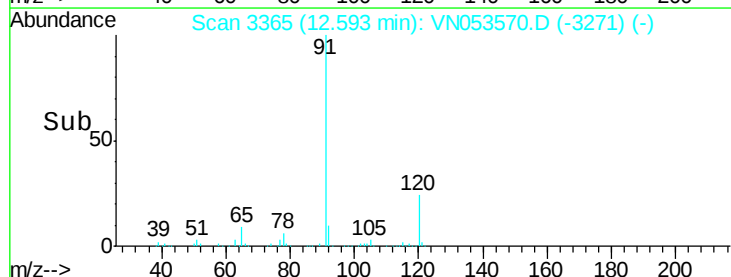
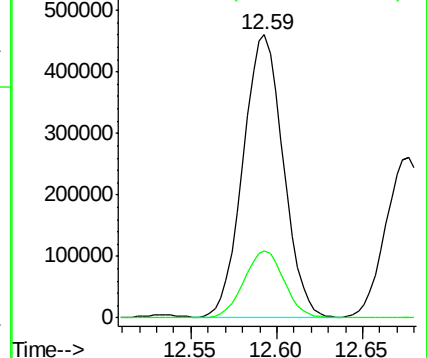
91 100

120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.607 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

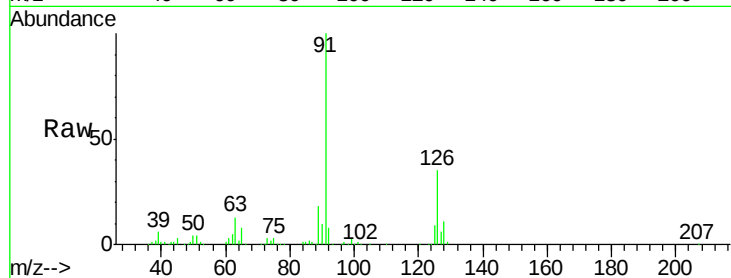
VN0130WBSD01

Tot Ion: 91 Resp: 445287

Ion Ratio Lower Upper

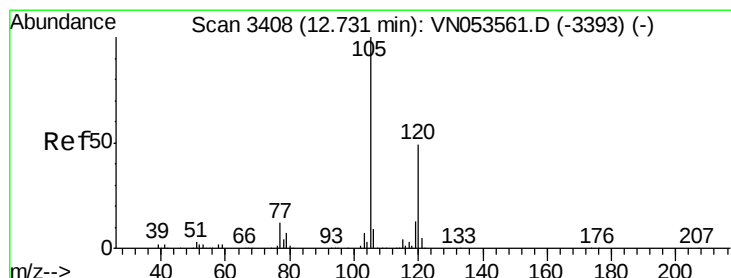
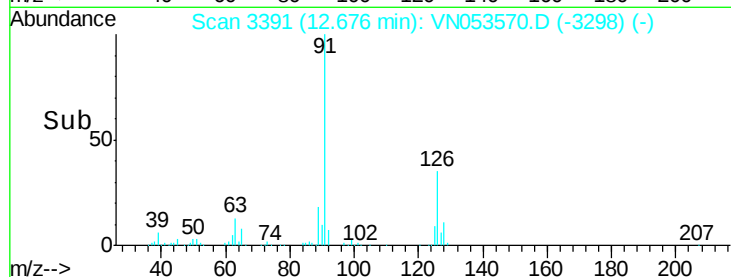
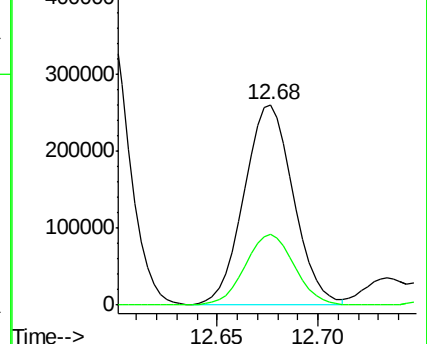
91 100

126 35.6 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053570.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN053570.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.193 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053570.D

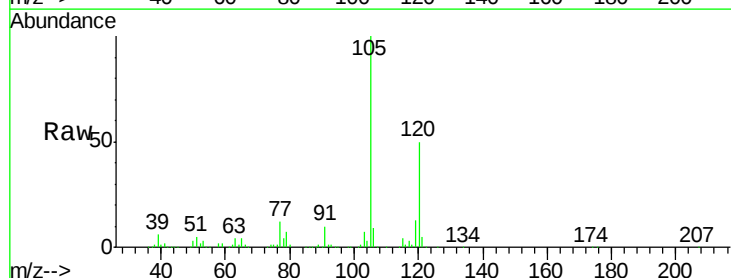
Acq: 30 Jan 2019 14:34

Tgt Ion: 105 Resp: 553704

Ion Ratio Lower Upper

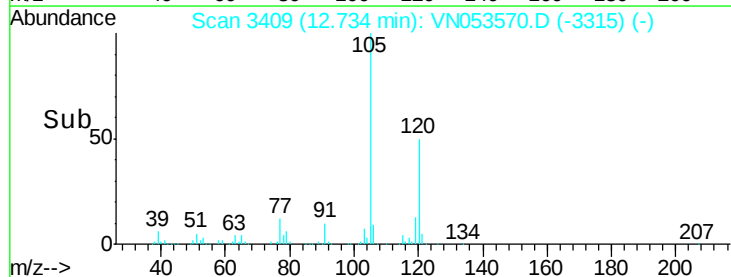
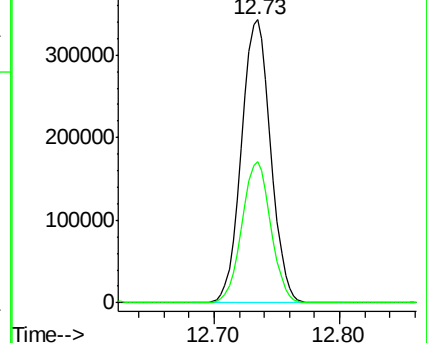
105 100

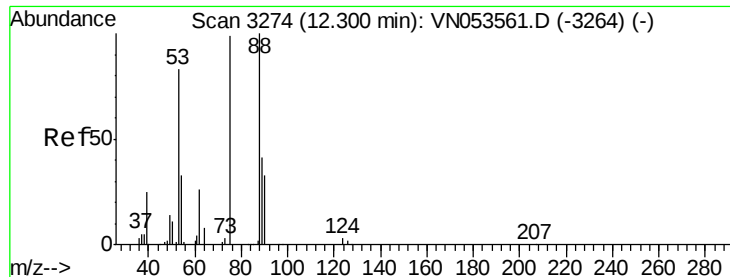
120 49.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053570.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN053570.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.571 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

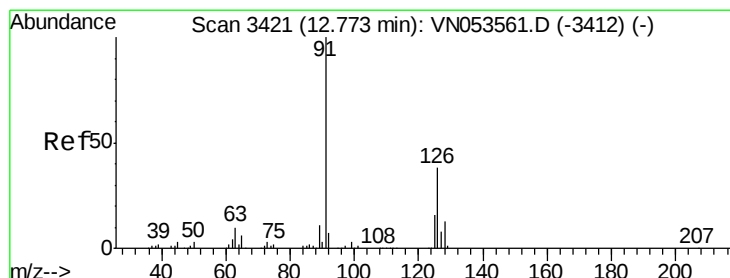
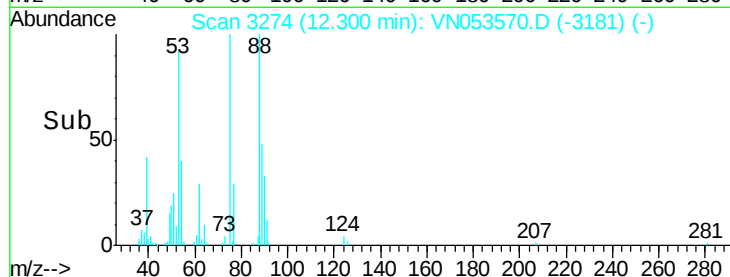
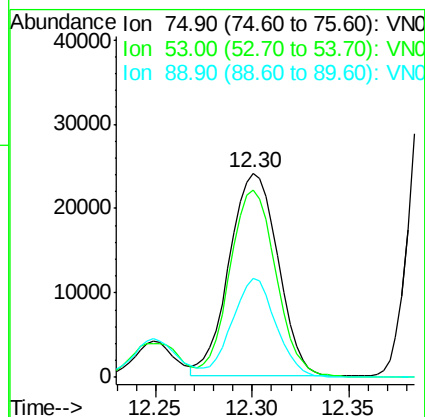
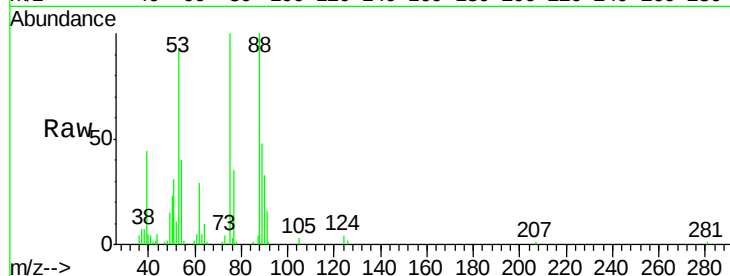
Tot Ion: 75 Resp: 42114

Ion Ratio Lower Upper

75 100

53 88.2 69.8 104.6

89 43.8 35.6 53.4



#82

4-Chlorotoluene

Concen: 20.455 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053570.D

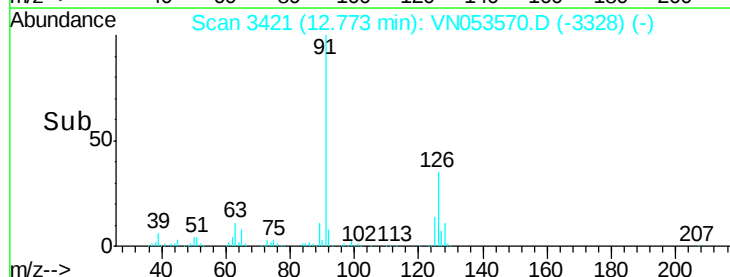
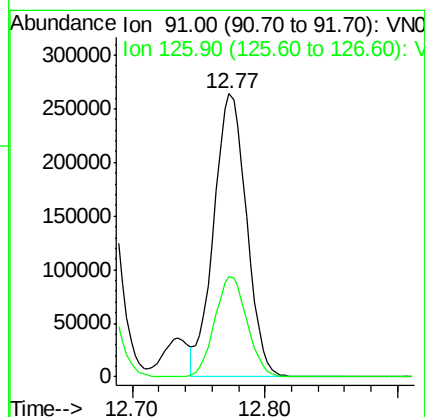
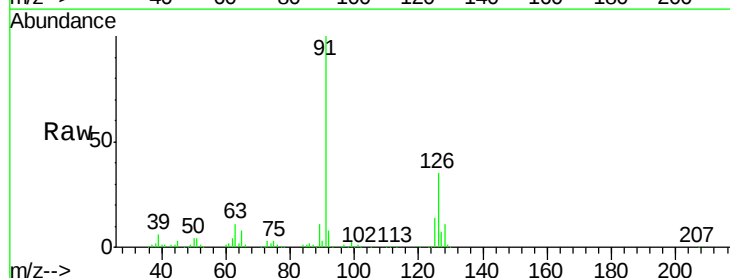
Acq: 30 Jan 2019 14:34

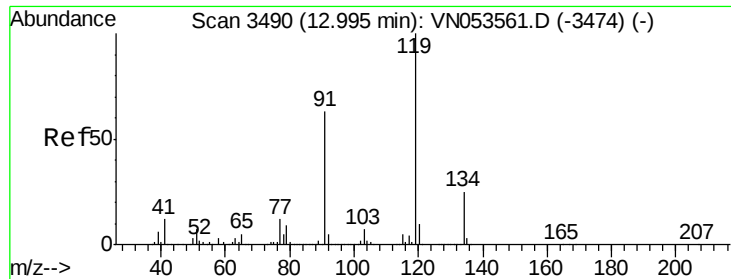
Tgt Ion: 91 Resp: 453548

Ion Ratio Lower Upper

91 100

126 34.9 17.6 52.9

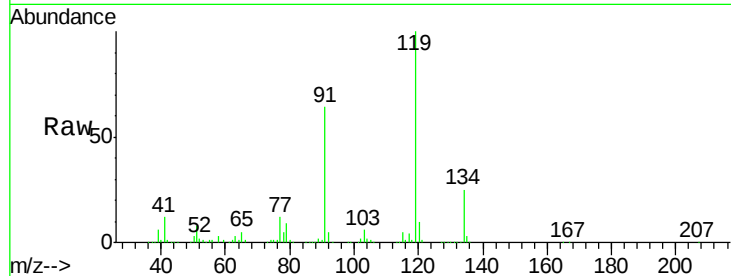




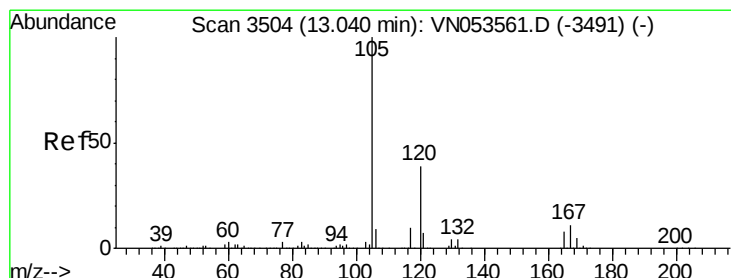
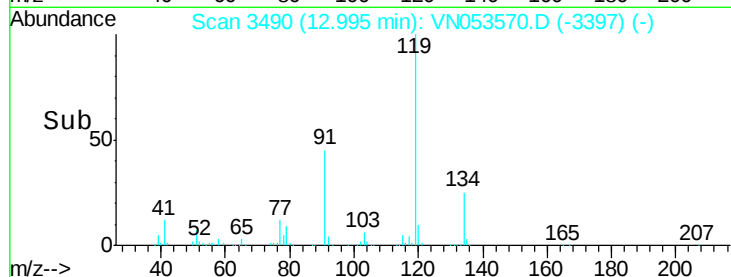
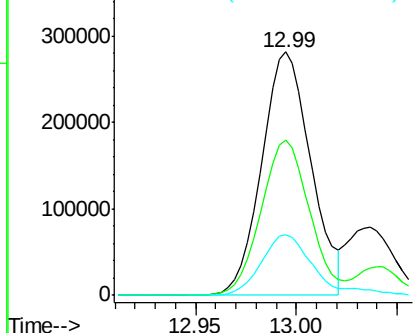
#83
tert-Butylbenzene
Concen: 20.732 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampled :
VN0130WBSD01

Tot Ion:119 Resp: 478734
Ion Ratio Lower Upper
119 100
91 62.8 31.3 93.8
134 26.7 12.9 38.7

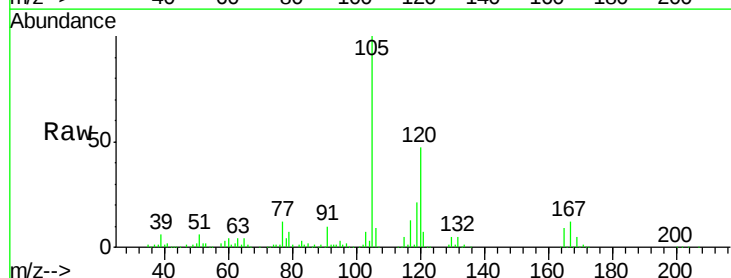


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

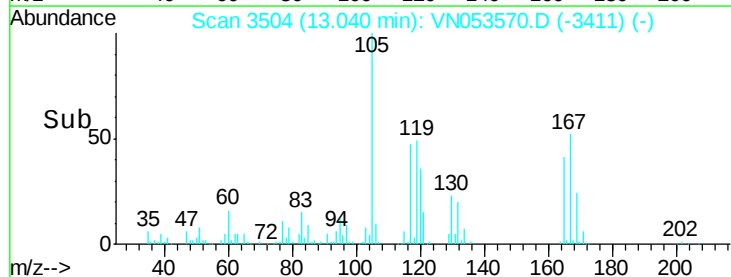
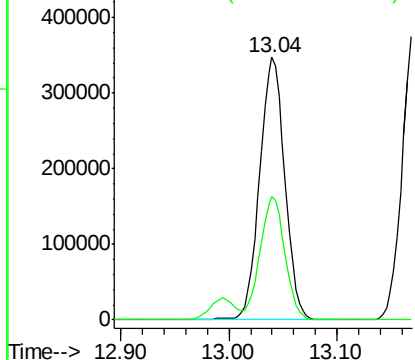


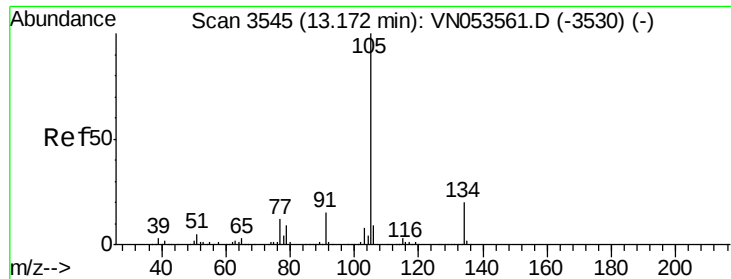
#84
1,2,4-Trimethylbenzene
Concen: 21.028 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053570.D
Acq: 30 Jan 2019 14:34

Tgt Ion:105 Resp: 559730
Ion Ratio Lower Upper
105 100
120 46.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.816 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampled :

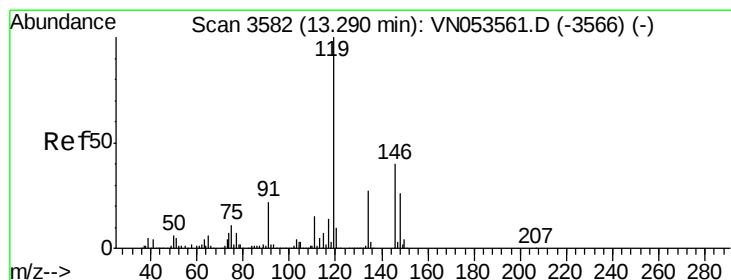
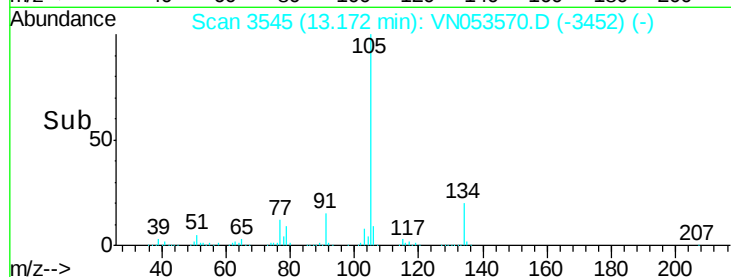
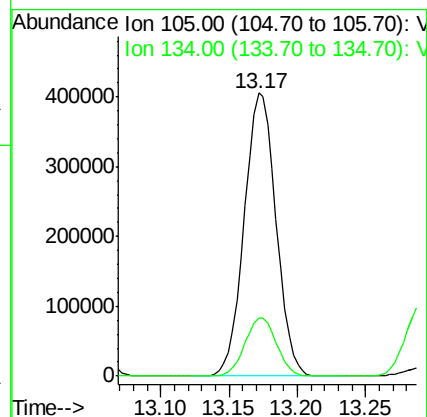
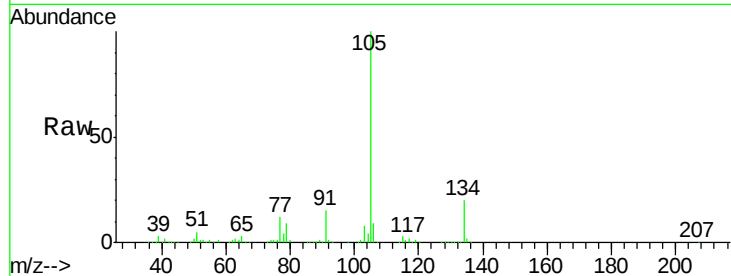
VN0130WBSD01

Tot Ion:105 Resp: 654113

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.673 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

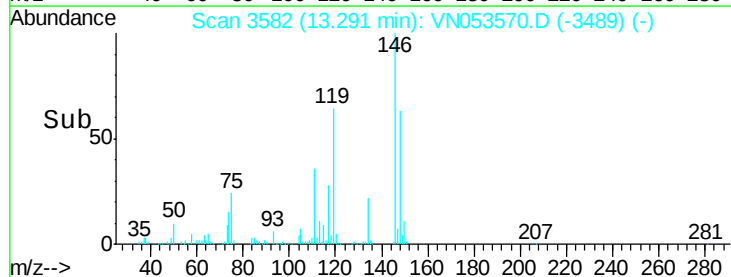
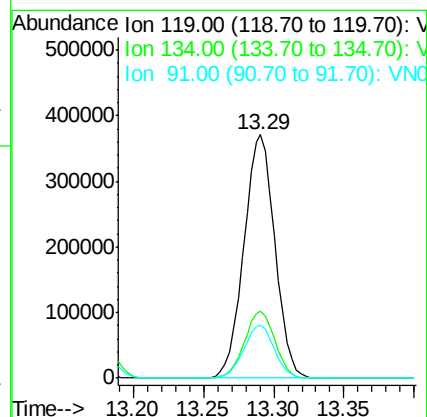
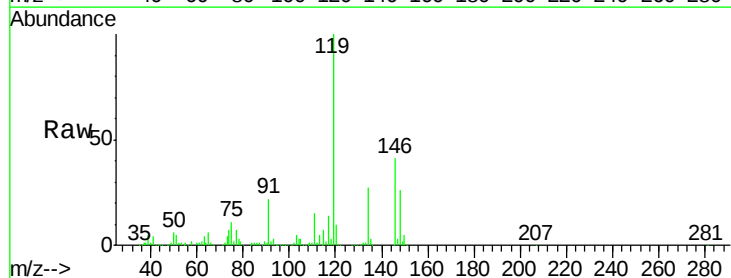
Tgt Ion:119 Resp: 568141

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

91 21.6 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 19.918 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

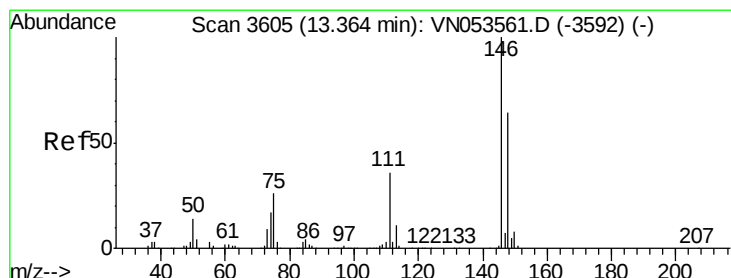
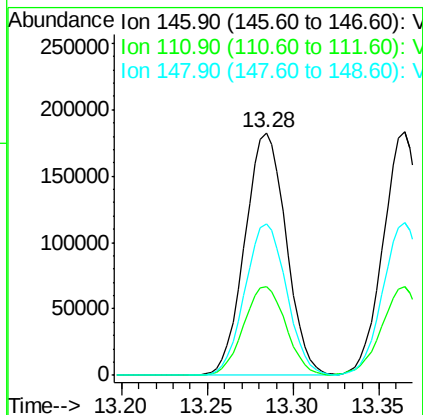
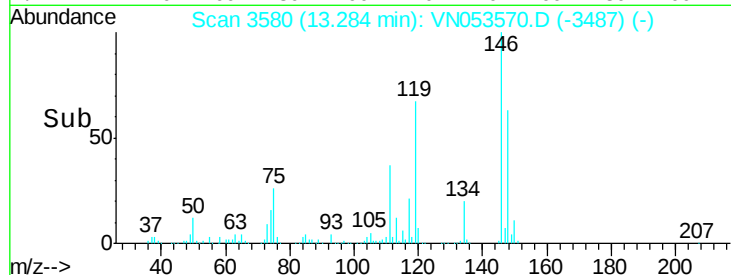
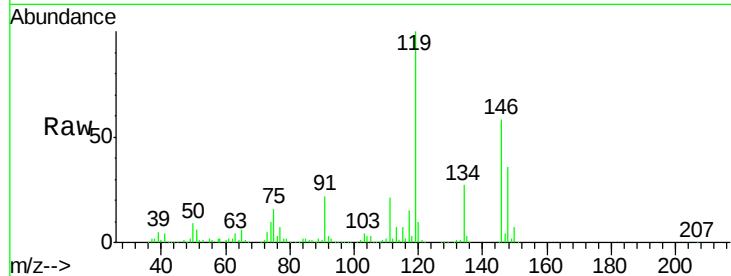
Tot Ion:146 Resp: 304035

Ion Ratio Lower Upper

146 100

111 37.4 18.8 56.3

148 63.1 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 19.641 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

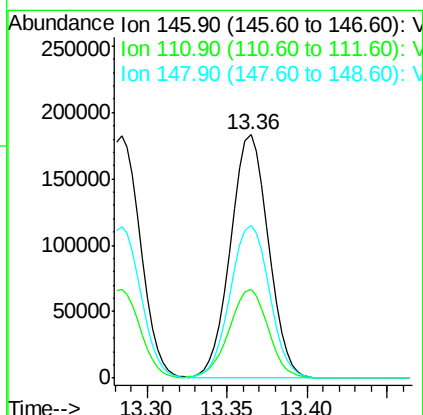
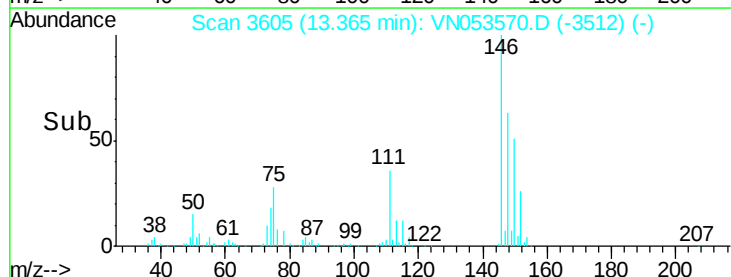
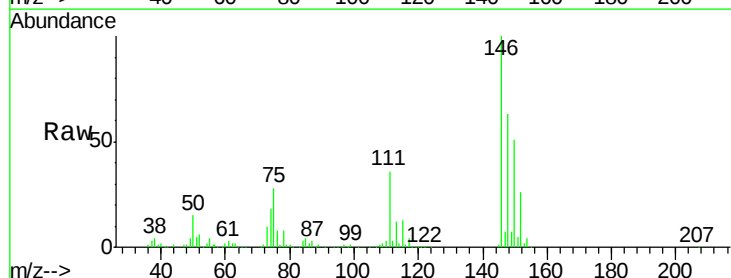
Tgt Ion:146 Resp: 296568

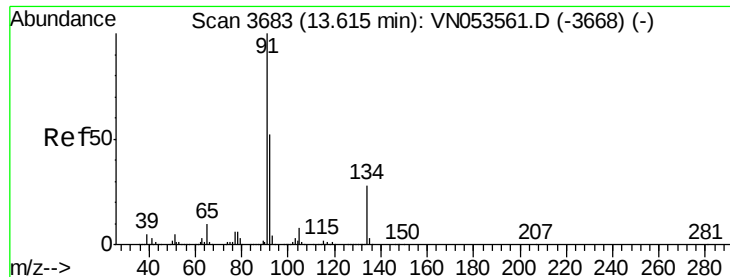
Ion Ratio Lower Upper

146 100

111 37.7 18.6 55.8

148 65.0 32.4 97.0





#89

n-Butylbenzene

Concen: 19.826 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

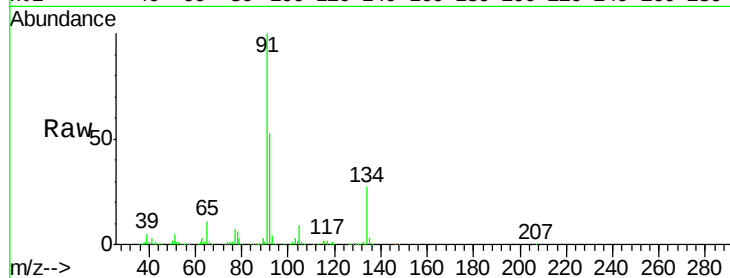
Tot Ion: 91 Resp: 471611

Ion Ratio Lower Upper

91 100

92 51.9 26.3 78.8

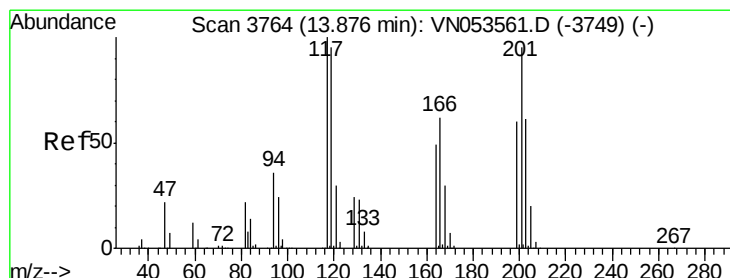
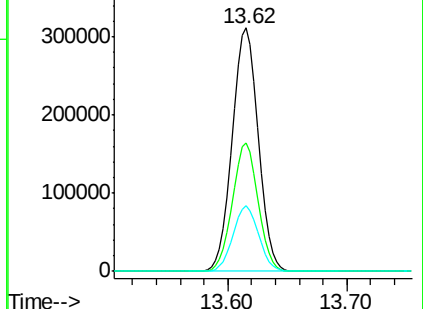
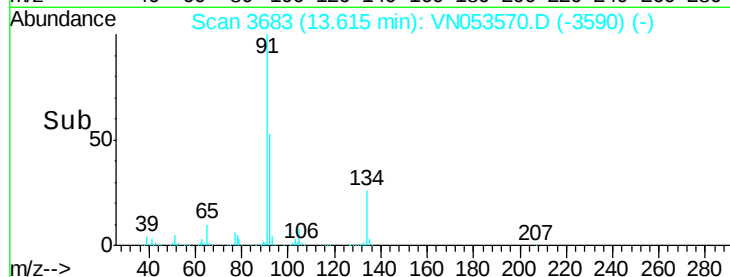
134 26.6 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053561.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053561.D (-3668) (-)



#90

Hexachloroethane

Concen: 19.695 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053570.D

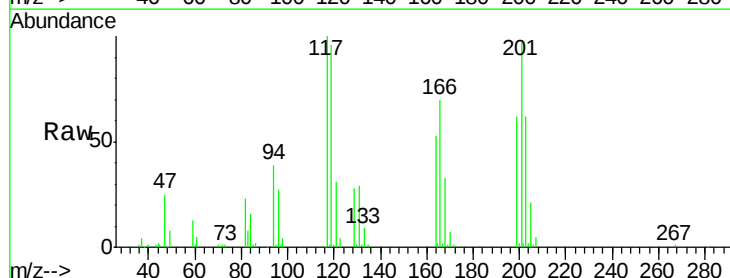
Acq: 30 Jan 2019 14:34

Tgt Ion: 117 Resp: 89280

Ion Ratio Lower Upper

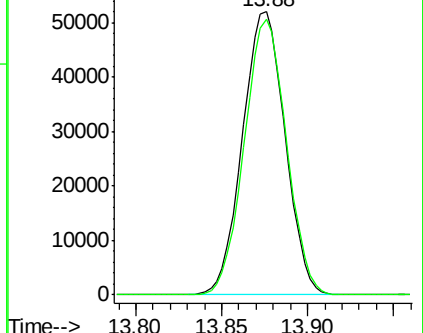
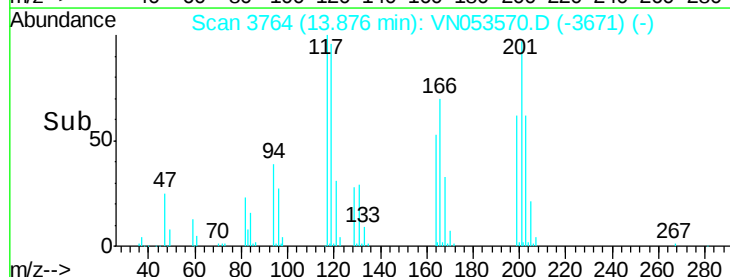
117 100

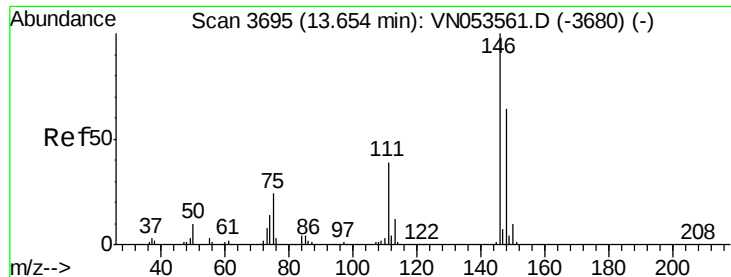
201 96.1 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053561.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053561.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 20.468 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

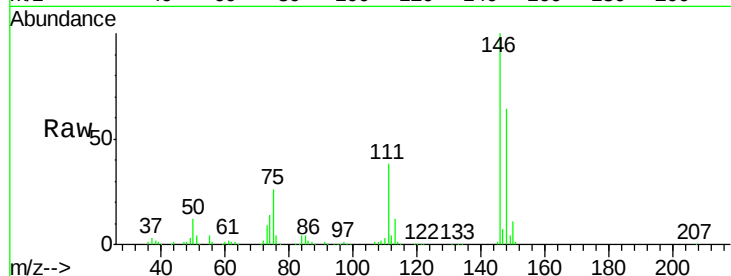
Tot Ion:146 Resp: 299098

Ion Ratio Lower Upper

146 100

111 37.7 19.5 58.5

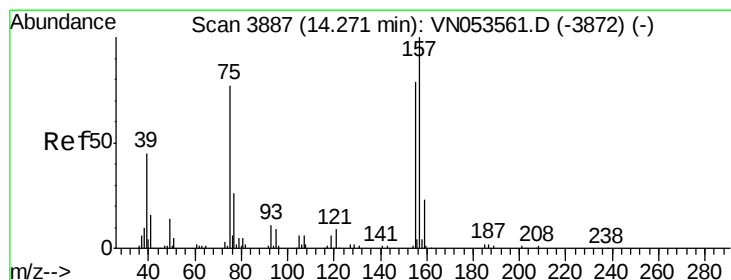
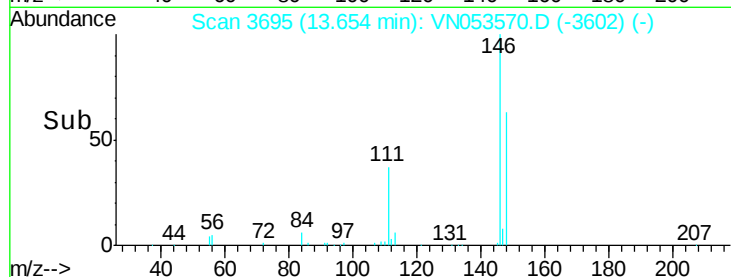
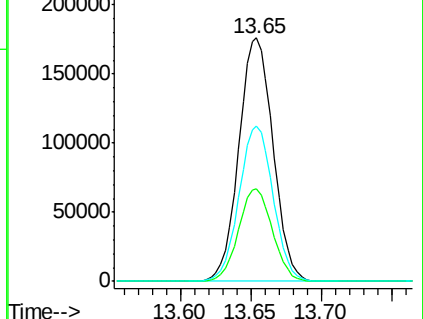
148 63.6 31.9 95.9



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: 21.467 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

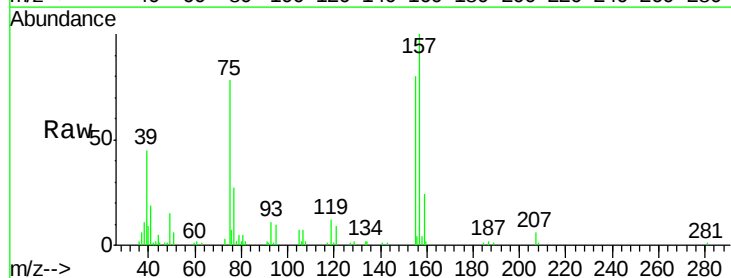
Tgt Ion: 75 Resp: 23069

Ion Ratio Lower Upper

75 100

155 101.8 48.9 146.7

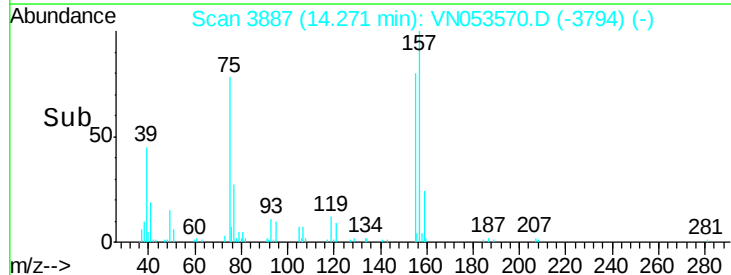
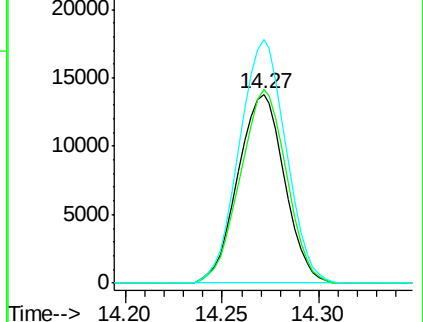
157 129.4 63.7 191.3



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

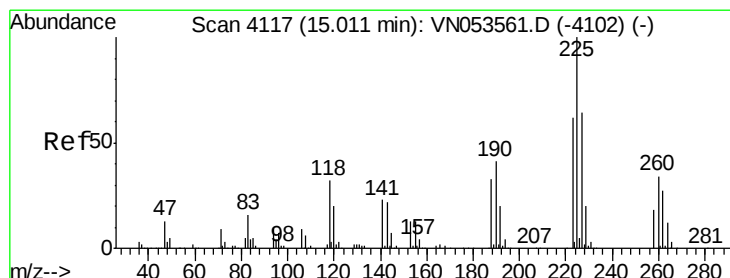
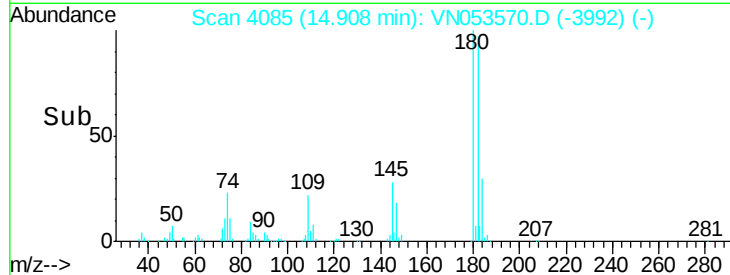
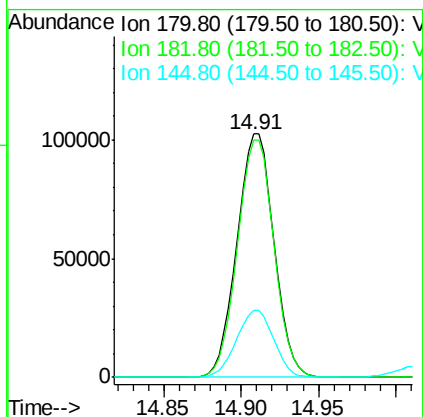
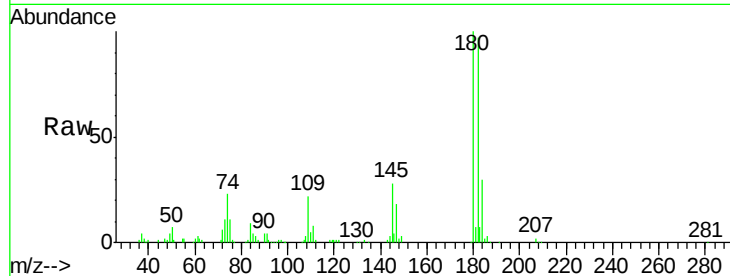




#93
 1,2,4-Trichlorobenzene
 Concen: 20.369 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

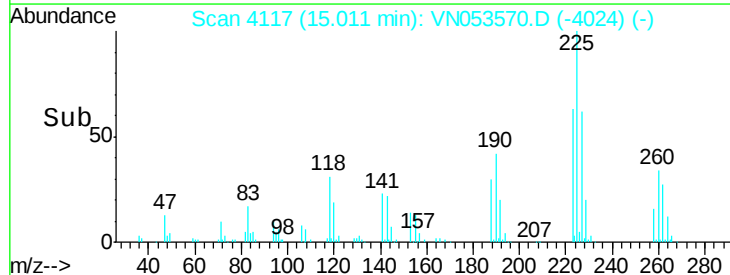
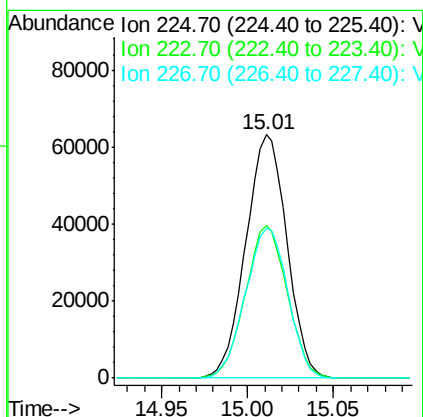
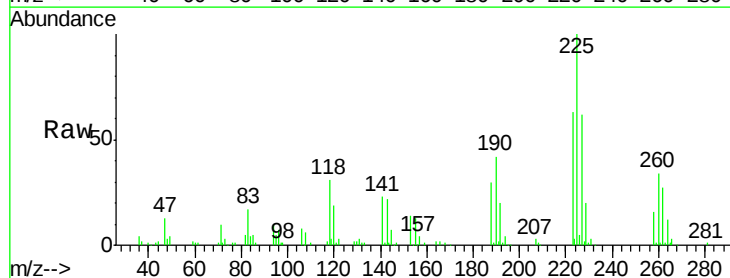
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBSD01

Tot Ion:180 Resp: 170717
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.1 144.3
 145 27.7 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 20.102 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053570.D
 Acq: 30 Jan 2019 14:34

Tgt Ion:225 Resp: 104920
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.1 93.2
 227 63.5 32.0 96.2





#95

Naphthalene

Concen: 20.173 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBSD01

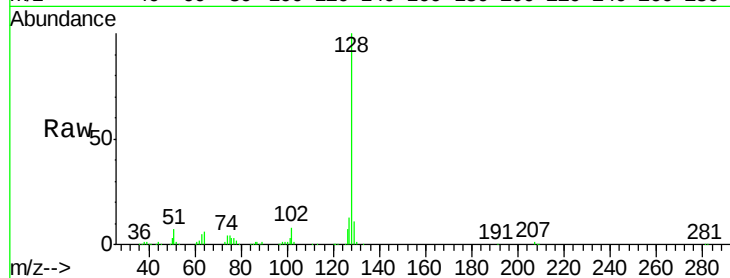
Tot Ion:128 Resp: 376036

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

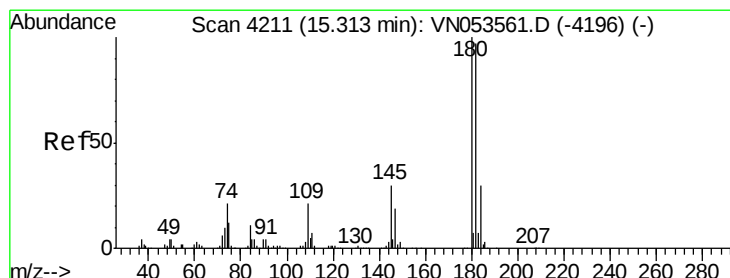
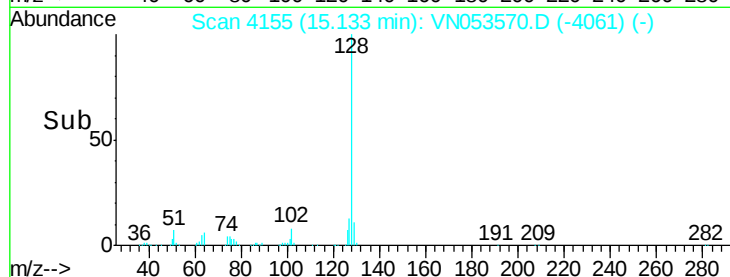
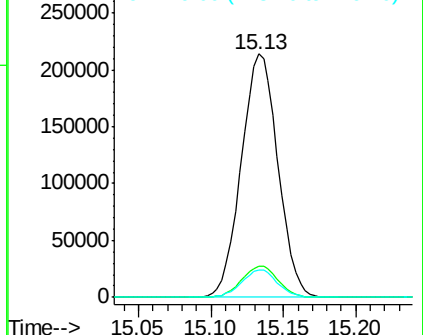
129 10.9 8.6 13.0



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: 21.093 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053570.D

Acq: 30 Jan 2019 14:34

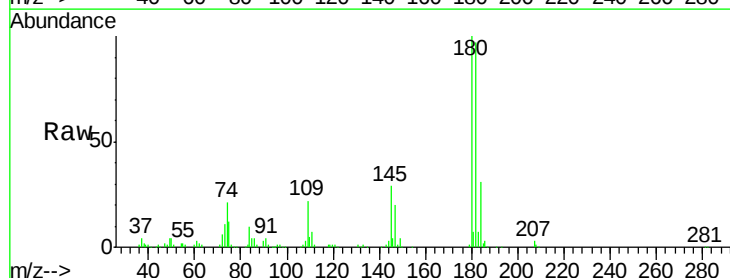
Tgt Ion:180 Resp: 164030

Ion Ratio Lower Upper

180 100

182 96.0 47.9 143.8

145 28.4 14.7 44.1



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

