

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053463.D
 Acq On : 18 Jan 2019 10:54
 Operator : JC/SP
 Sample : VN0118WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

Quant Time: Jan 19 00:09:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	128106	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	707524	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	631189	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	240647	29.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.57%
60) 4-Bromofluorobenzene	12.40	95	292686	30.30	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.00%
63) Toluene-d8	10.09	98	860684	30.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	122301	14.328	ug/l 98
3) Chloromethane	2.06	50	159363	15.908	ug/l 99
4) Vinyl Chloride	2.19	62	155870	15.811	ug/l 96
5) Bromomethane	2.57	94	105653	16.623	ug/l 97
6) Chloroethane	2.71	64	96080	16.920	ug/l 99
7) Trichlorofluoromethane	3.02	101	216565	17.789	ug/l 100
8) Diethyl Ether	3.41	74	82609	18.264	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136939	17.903	ug/l 95
10) 1,1-Dichloroethene	3.74	96	129810	17.391	ug/l 94
11) Methyl Iodide	3.96	142	192198	17.582	ug/l 100
12) Methyl Acetate	4.33	43	126107	21.676	ug/l 98
13) Acrolein	3.61	56	64976	93.542	ug/l 96
14) Acrylonitrile	4.99	53	263474	101.229	ug/l 98
15) Acetone	3.82	58	67354	121.763	ug/l 97
16) Carbon Disulfide	4.06	76	370419	16.131	ug/l 100
17) Allyl chloride	4.33	41	194598	16.572	ug/l 97
18) Methylene Chloride	4.55	84	151548	17.740	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	137721	17.458	ug/l 93
20) Diisopropyl ether	5.95	45	451615	17.958	ug/l 98
21) 1,1-Dichloroethane	5.85	63	261945	17.890	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	161543	18.179	ug/l 97
23) tert-Butyl Alcohol	4.78	59	44883	102.295	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	362576	18.628	ug/l # 77
25) Chloroform	7.37	83	258119	18.340	ug/l 98
26) Cyclohexane	7.66	56	231406	16.944	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	196167	18.304	ug/l 99
30) 2-Butanone	6.84	43	299980	112.193	ug/l 98
31) 2,2-Dichloropropane	6.82	77	192081	18.513	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	215026	19.149	ug/l 97
33) Carbon Tetrachloride	7.78	117	186856	19.011	ug/l 98
34) Benzene	8.04	78	611091	18.973	ug/l 99
35) Methacrylonitrile	7.18	41	71650	20.767	ug/l 94
36) 1,2-Dichloroethane	8.13	62	184697	19.753	ug/l 98
37) Trichloroethene	8.84	130	165699	18.991	ug/l 95
38) Methylcyclohexane	9.08	83	232098	18.516	ug/l 97
39) 1,2-Dichloropropane	9.12	63	160734	19.111	ug/l 98
40) Dibromomethane	9.21	93	95731	20.127	ug/l 95

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Instrument :
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Quant Time: Jan 19 00:09:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	195819	19.171	ug/l	98
42) Vinyl Acetate	5.90	43	1446299	99.148	ug/l	97
43) Ethyl Acetate	6.93	43	132438	22.180	ug/l #	70
44) Isopropyl Acetate	8.17	43	236609	21.272	ug/l #	81
45) 1,4-Dioxane	9.20	88	25330	372.402	ug/l	91
46) Methyl methacrylate	9.20	41	111967	19.926	ug/l	94
47) n-amyl Acetate	12.07	43	200553	20.531	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	197270	18.922	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	229350	18.683	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	140218	20.560	ug/l	99
51) Ethyl methacrylate	10.43	69	177026	19.917	ug/l	91
52) 1,3-Dichloropropane	10.71	76	237744	20.237	ug/l	99
53) Dibromochloromethane	10.90	129	154148	20.125	ug/l	99
54) 1,2-Dibromoethane	11.01	107	139688	20.304	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	514269	100.819	ug/l	98
56) Bromoform	12.13	173	106902	20.402	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	663969	110.393	ug/l	97
59) 2-Hexanone	10.75	43	460790	110.974	ug/l	97
61) Tetrachloroethene	10.63	164	182689	19.586	ug/l	98
62) Toluene	10.16	91	652967	18.863	ug/l	99
64) Chlorobenzene	11.43	112	415369	19.122	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	145907	19.148	ug/l	99
66) Ethyl Benzene	11.51	91	699030	18.621	ug/l	97
67) m/p-Xylenes	11.62	106	542667	38.223	ug/l	96
68) o-Xylene	11.95	106	262373	19.071	ug/l	98
69) Styrene	11.96	104	431243	19.203	ug/l	98
70) Isopropylbenzene	12.25	105	693418	19.156	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	164938	21.646	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	214884	32.203	ug/l	40
73) Bromobenzene	12.53	156	183543	19.726	ug/l	93
74) n-propylbenzene	12.59	91	800311	19.531	ug/l	98
75) 2-Chlorotoluene	12.67	91	475795	19.606	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	569149	19.821	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	45329	19.334	ug/l	98
78) 4-Chlorotoluene	12.77	91	476693	19.297	ug/l	98
79) tert-butylbenzene	12.99	119	498132	19.892	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	583760	20.284	ug/l	100
81) sec-Butylbenzene	13.17	105	684818	20.651	ug/l	99
82) p-Isopropyltoluene	13.29	119	591352	20.637	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	322501	20.356	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	314264	20.350	ug/l	98
85) n-Butylbenzene	13.62	91	485203	20.822	ug/l	99
86) Hexachloroethane	13.88	117	91245	19.944	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	315292	21.418	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24036	22.057	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	134870	18.876	ug/l	98
90) Hexachlorobutadiene	15.01	225	99542	23.016	ug/l	98
91) Naphthalene	15.13	128	236222	15.582	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	101524	15.926	ug/l	98

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VN0118WBS01

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration

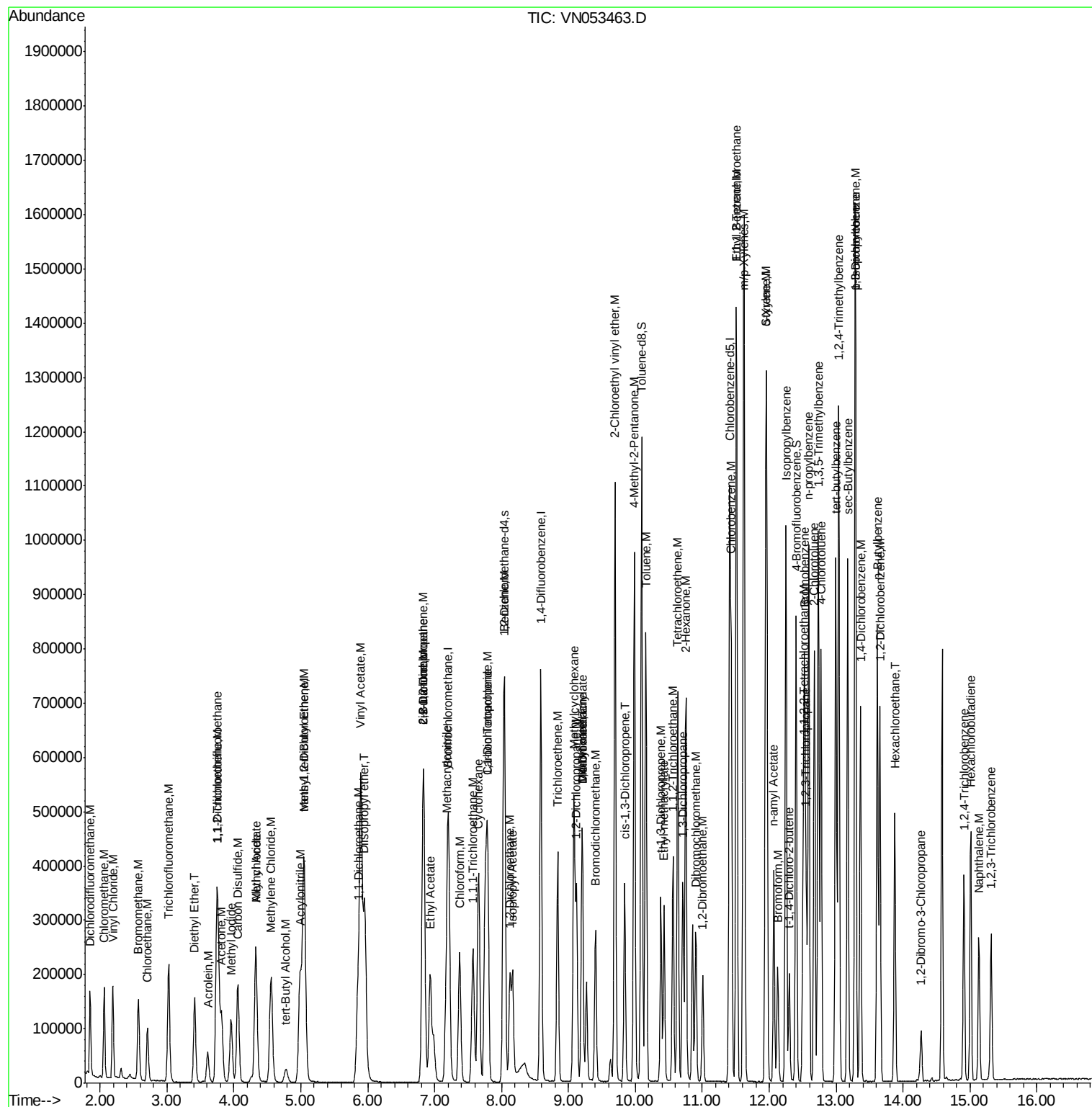
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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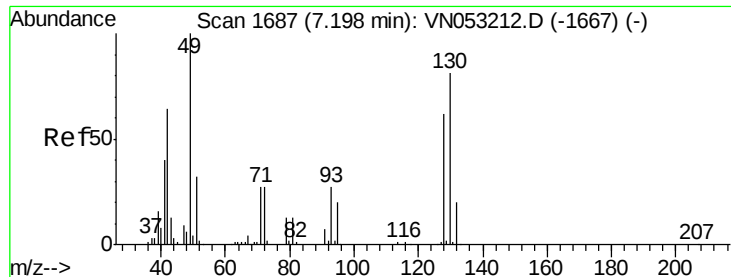
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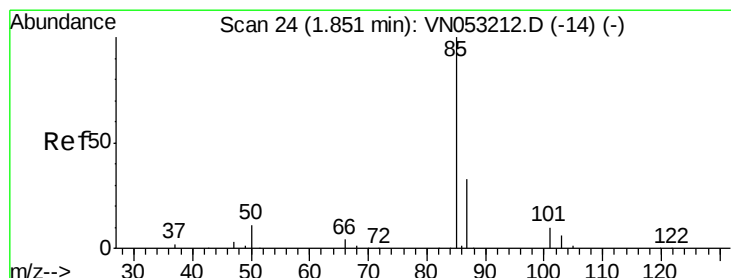
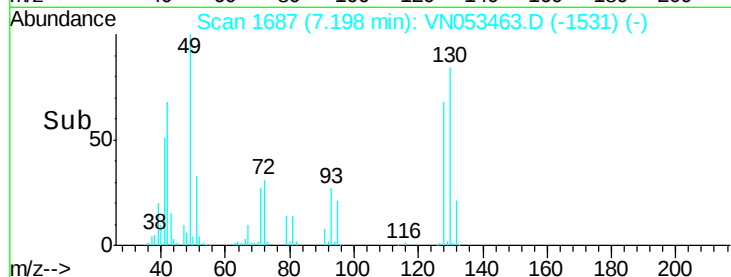
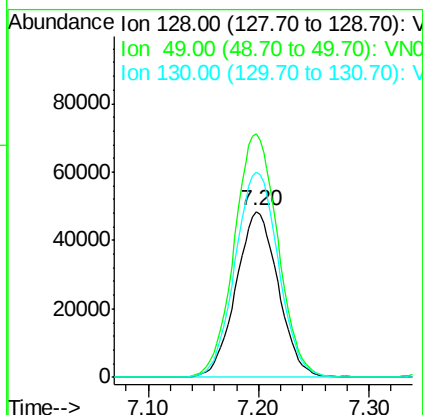
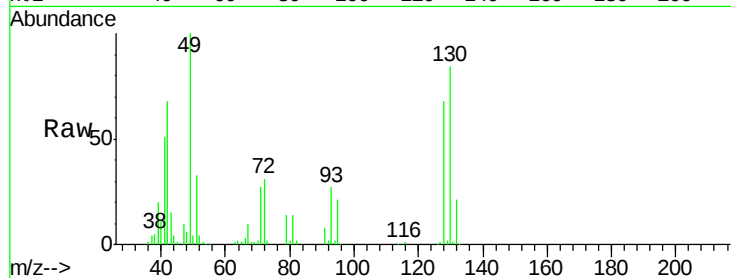




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

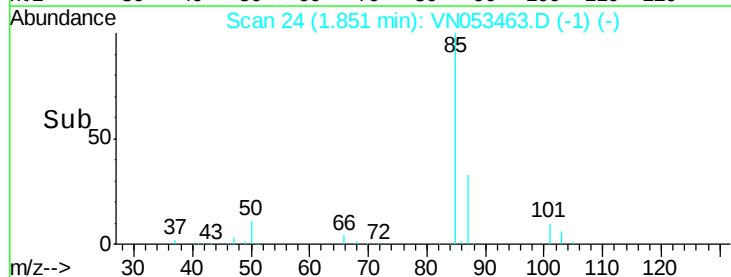
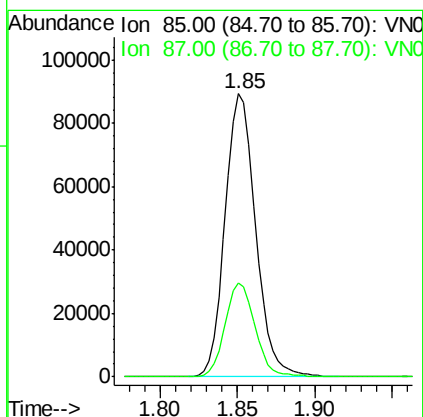
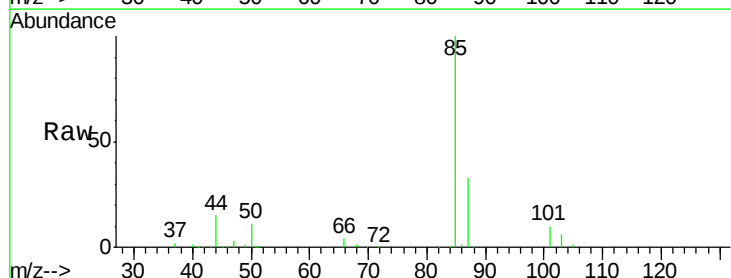
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

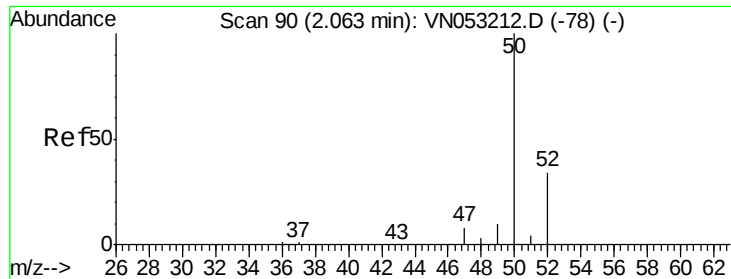
Tot Ion:128 Resp: 128106
 Ion Ratio Lower Upper
 128 100
 49 151.8 0.0 431.8
 130 127.7 0.0 317.0



#2
 Dichlorodifluoromethane
 Concen: 14.328 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion: 85 Resp: 122301
 Ion Ratio Lower Upper
 85 100
 87 33.3 16.1 48.3





#3

Chloromethane

Concen: 15.908 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

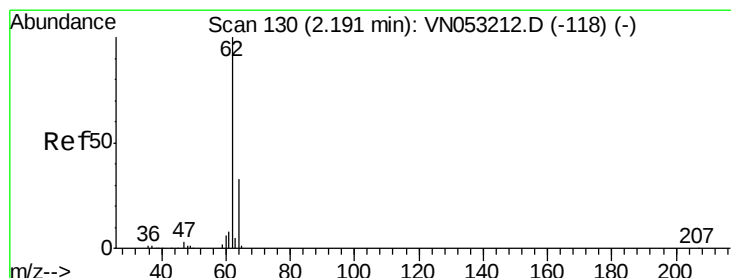
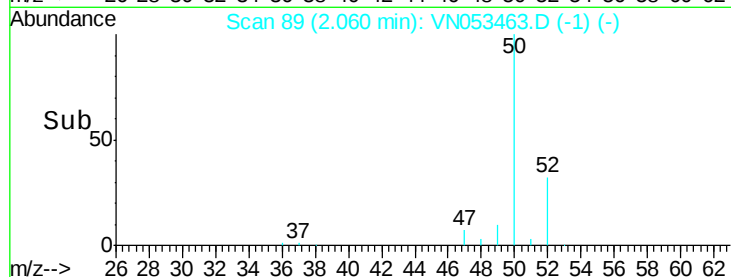
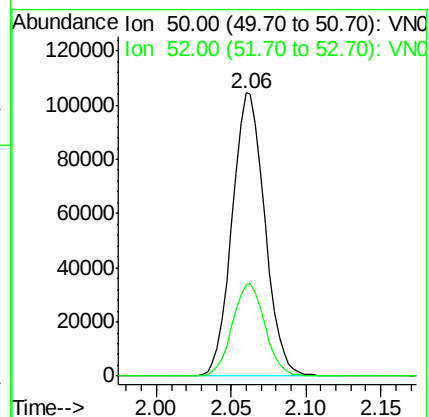
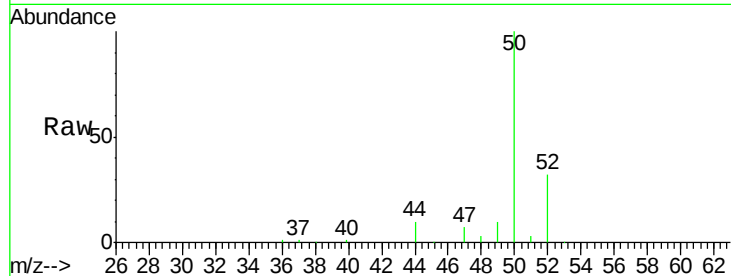
VN0118WBS01

Tot Ion: 50 Resp: 159363

Ion Ratio Lower Upper

50 100

52 32.3 26.5 39.7



#4

Vinyl Chloride

Concen: 15.811 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053463.D

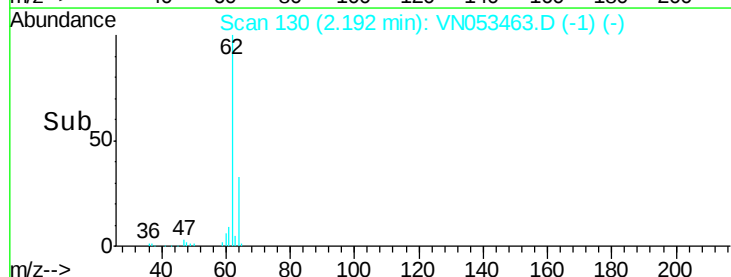
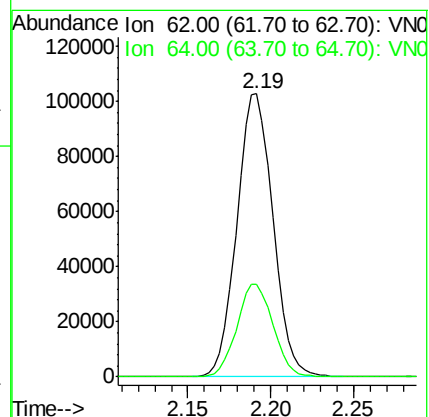
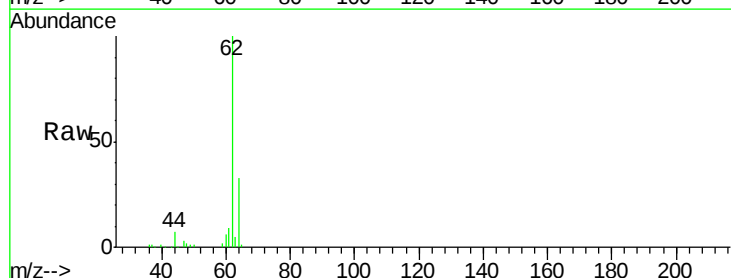
Acq: 18 Jan 2019 10:54

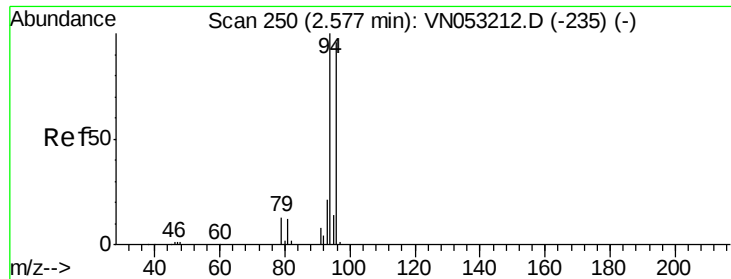
Tgt Ion: 62 Resp: 155870

Ion Ratio Lower Upper

62 100

64 32.7 24.2 36.4





#5

Bromomethane

Concen: 16.623 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.01 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

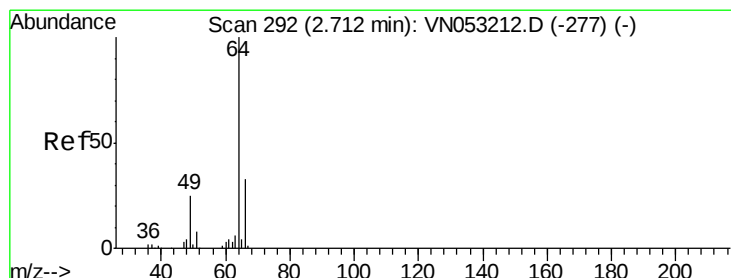
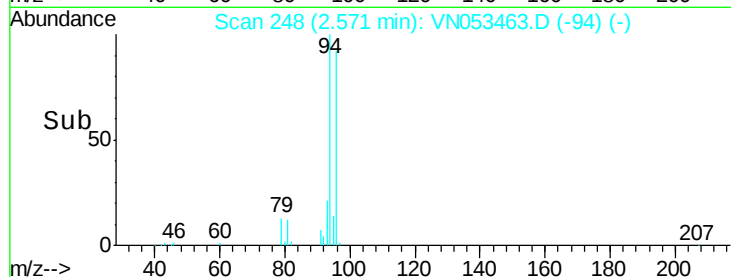
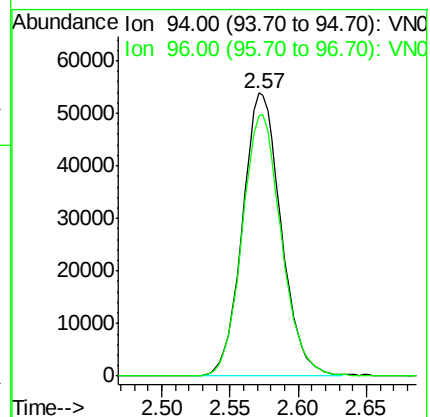
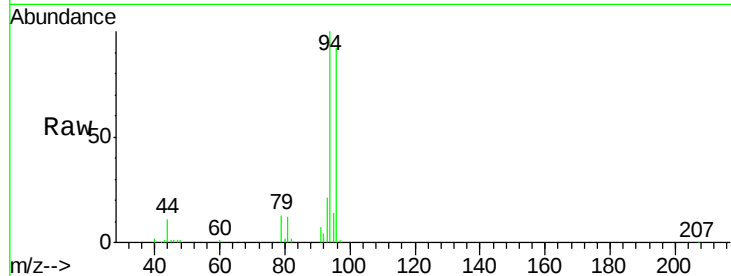
VN0118WBS01

Tot Ion: 94 Resp: 105653

Ion Ratio Lower Upper

94 100

96 92.0 76.2 114.2



#6

Chloroethane

Concen: 16.920 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053463.D

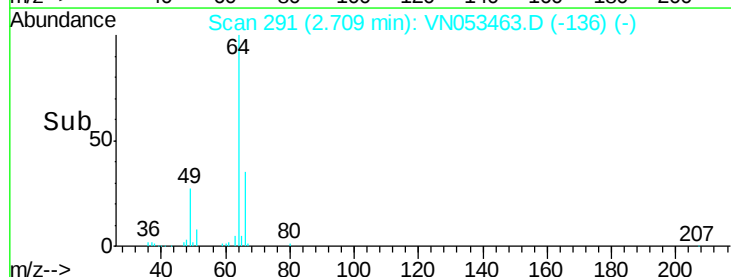
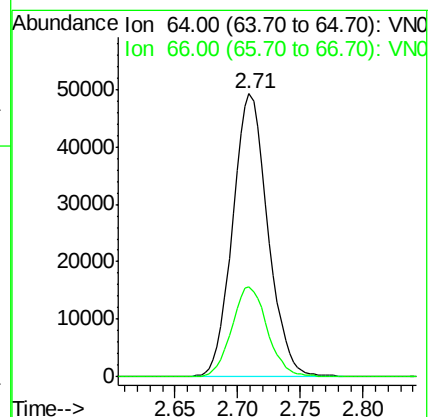
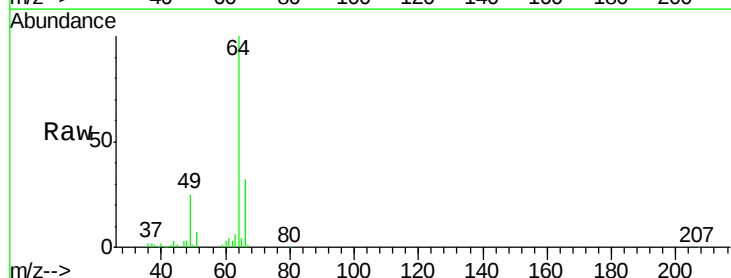
Acq: 18 Jan 2019 10:54

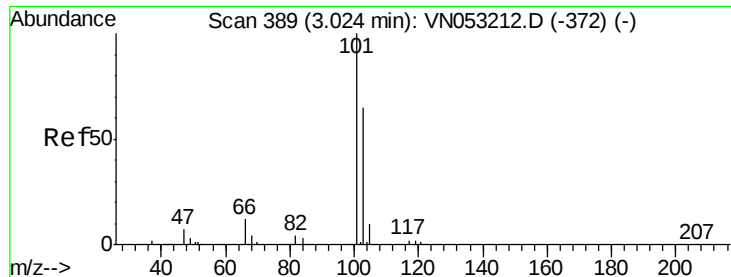
Tgt Ion: 64 Resp: 96080

Ion Ratio Lower Upper

64 100

66 31.7 25.6 38.4



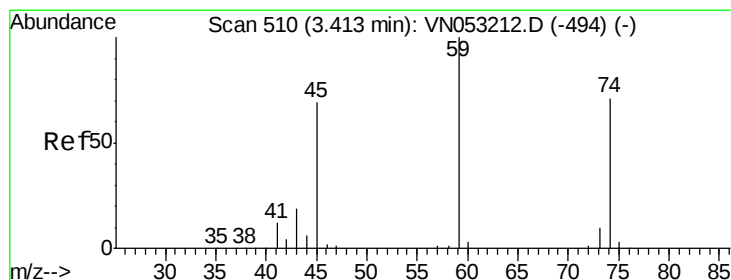
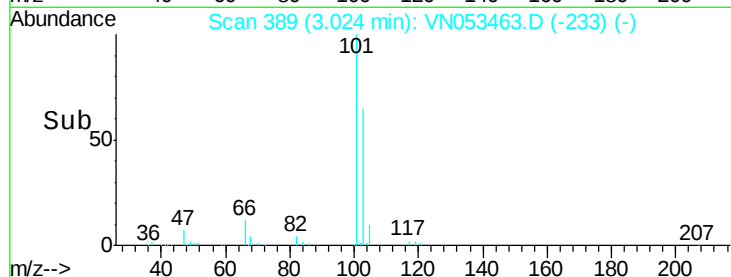
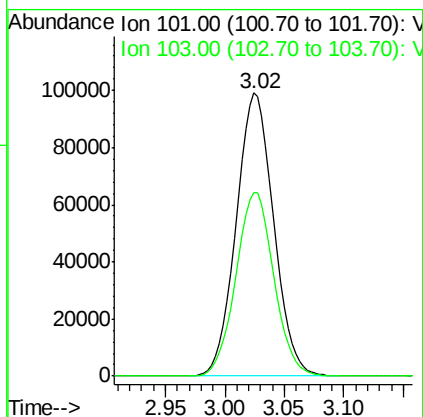
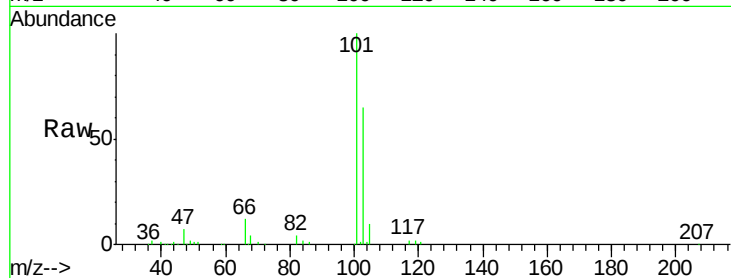


#7

Trichlorofluoromethane
 Concen: 17.789 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

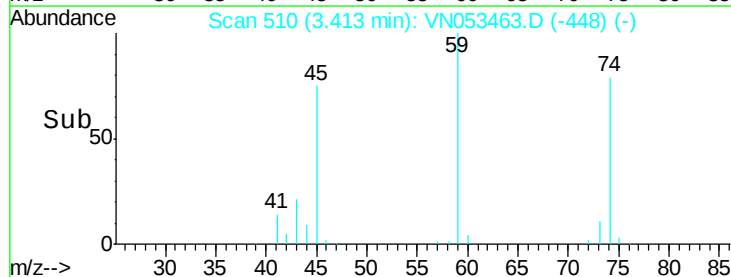
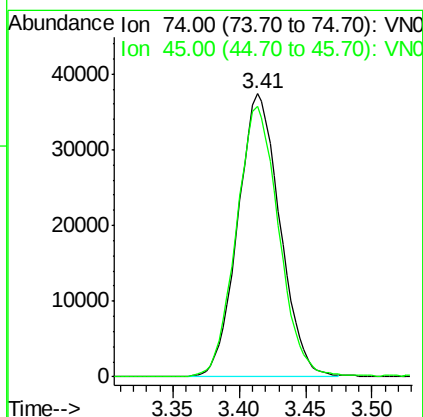
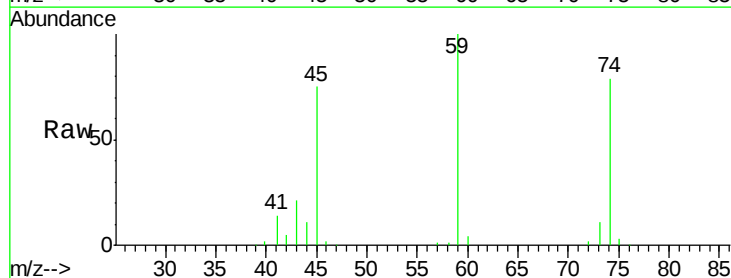
Tot Ion:101 Resp: 216565
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.1 78.1

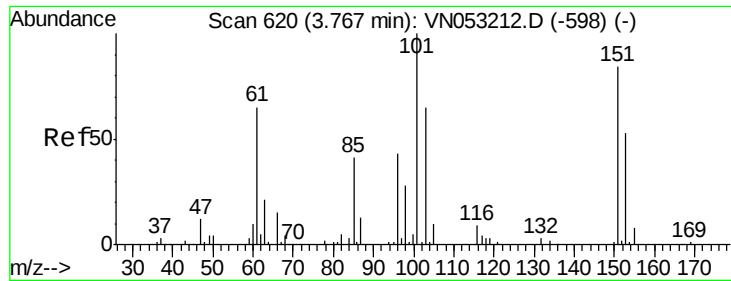


#8

Diethyl Ether
 Concen: 18.264 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion: 74 Resp: 82609
 Ion Ratio Lower Upper
 74 100
 45 96.5 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.903 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

VN0118WBS01

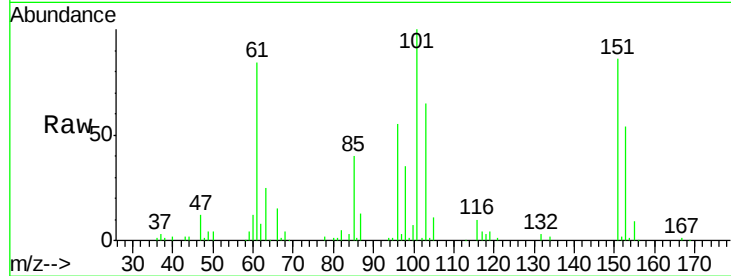
Tot Ion:101 Resp: 136939

Ion Ratio Lower Upper

101 100

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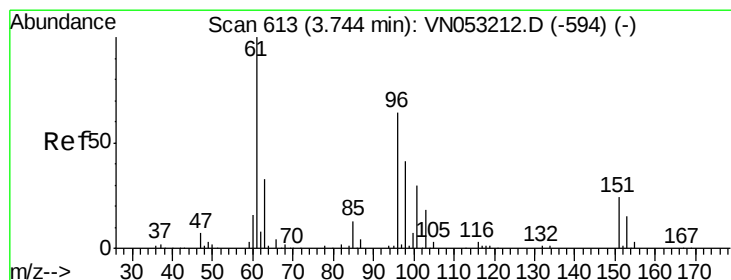
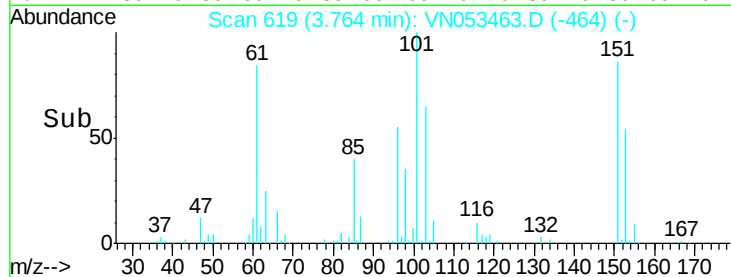
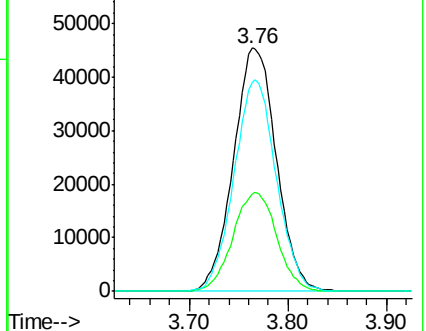
151 85.6 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.391 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

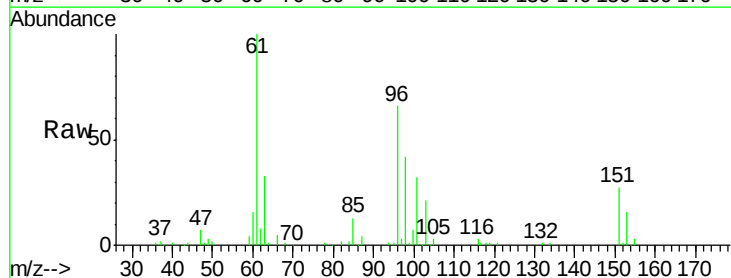
Tgt Ion: 96 Resp: 129810

Ion Ratio Lower Upper

96 100

61 151.7 129.4 194.2

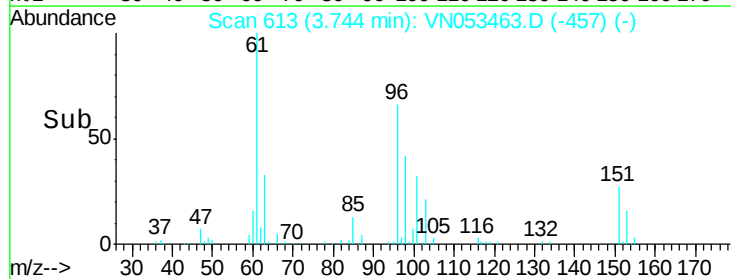
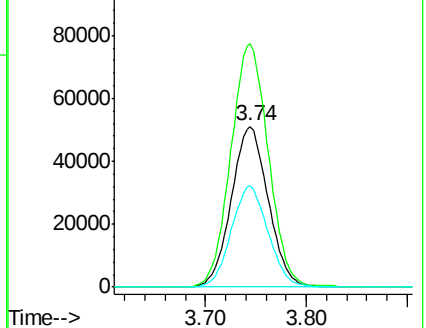
98 63.5 50.4 75.6

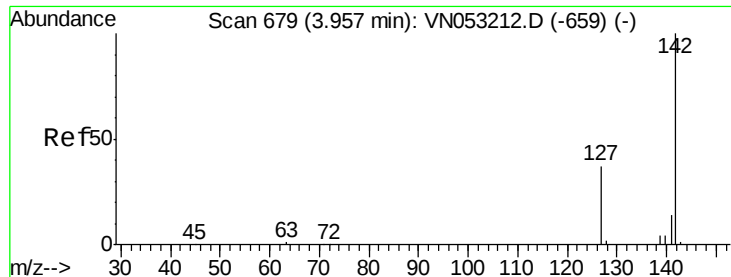


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

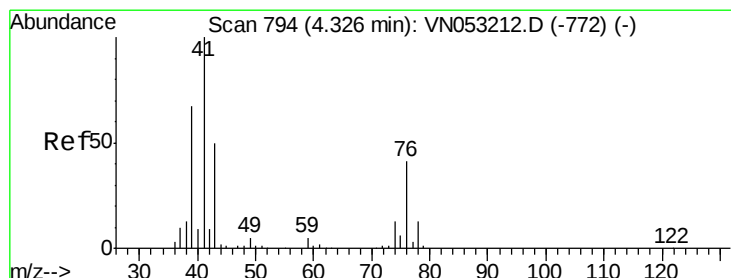
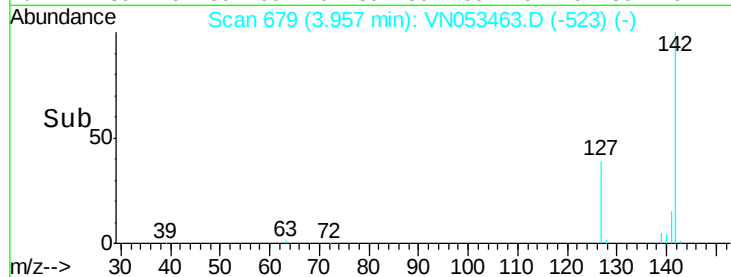
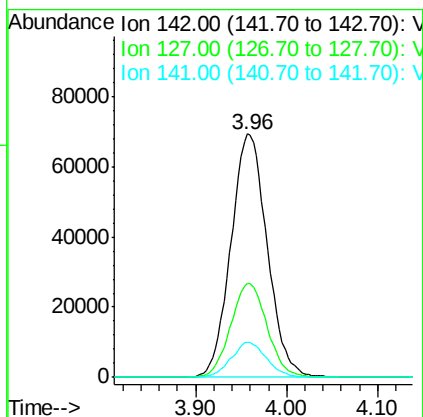
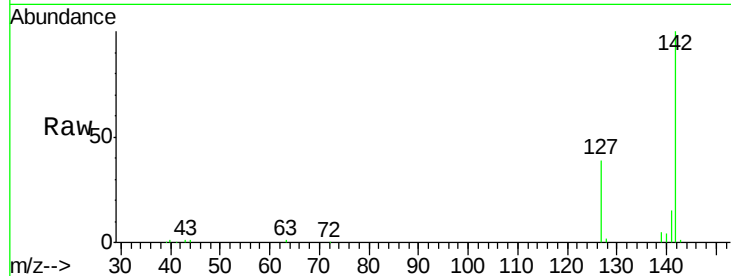




#11
Methvl Iodide
Concen: 17.582 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

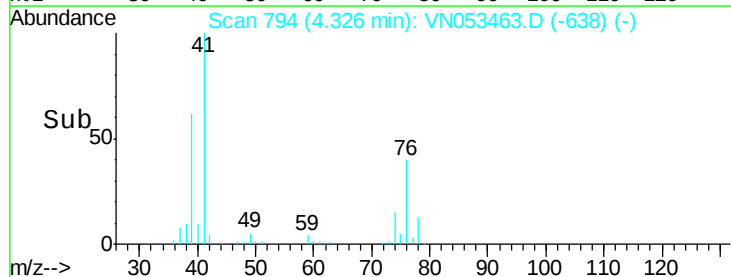
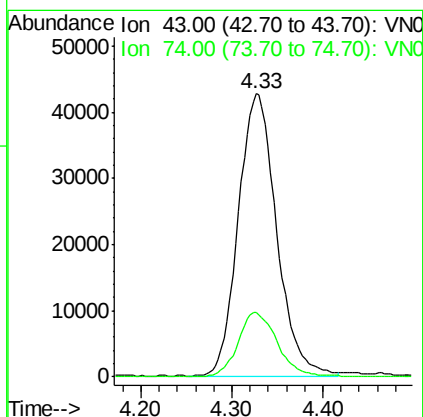
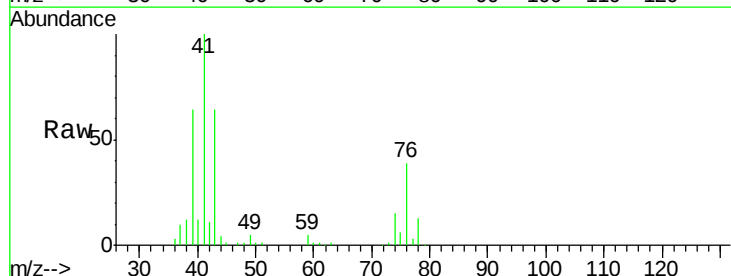
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

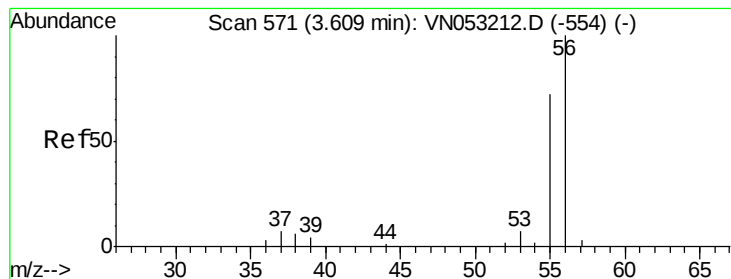
Tot Ion:142 Resp: 192198
Ion Ratio Lower Upper
142 100
127 38.7 19.4 58.1
141 14.6 7.2 21.6



#12
Methyl Acetate
Concen: 21.676 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion: 43 Resp: 126107
Ion Ratio Lower Upper
43 100
74 22.7 18.9 28.3





#13

Acrolein

Concen: 93.542 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

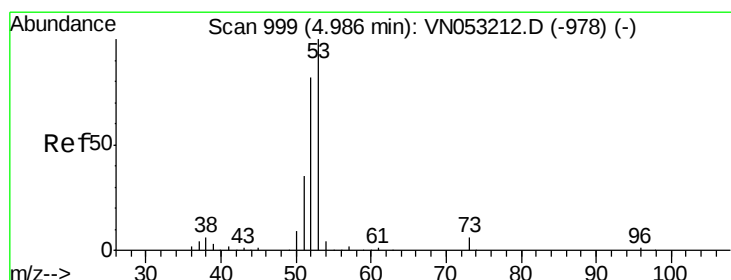
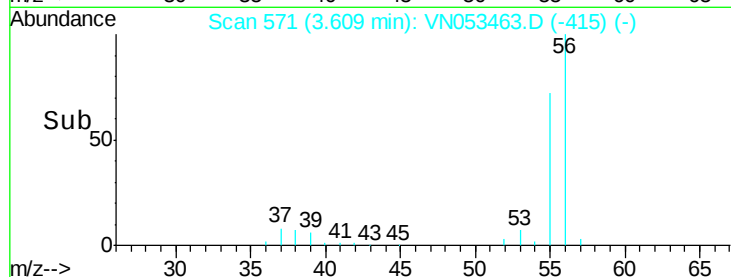
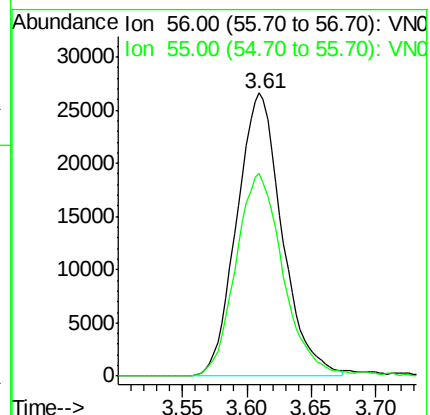
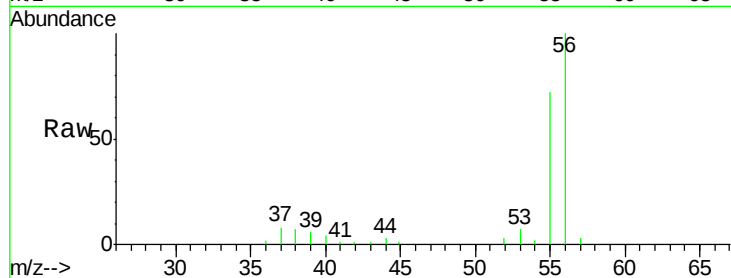
VN0118WBS01

Tot Ion: 56 Resp: 64976

Ion Ratio Lower Upper

56 100

55 74.5 56.7 85.1



#14

Acrylonitrile

Concen: 101.229 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

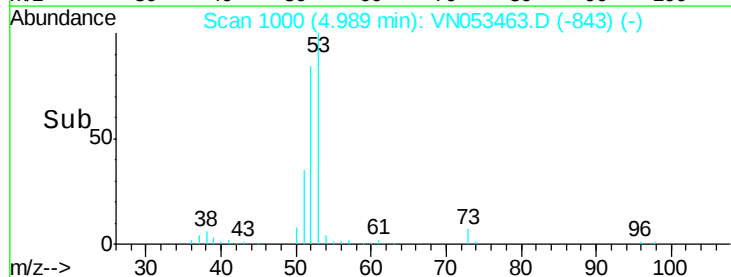
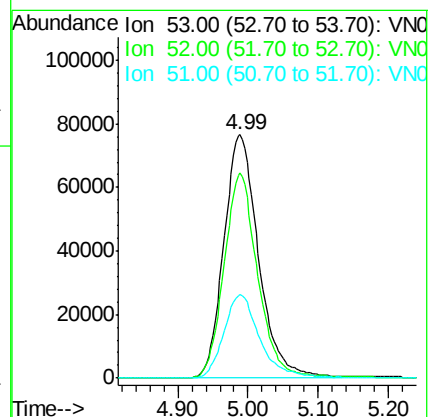
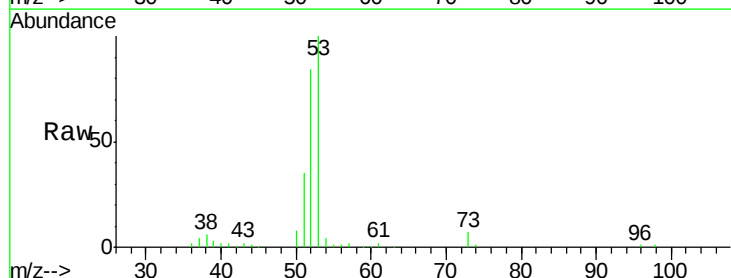
Tgt Ion: 53 Resp: 263474

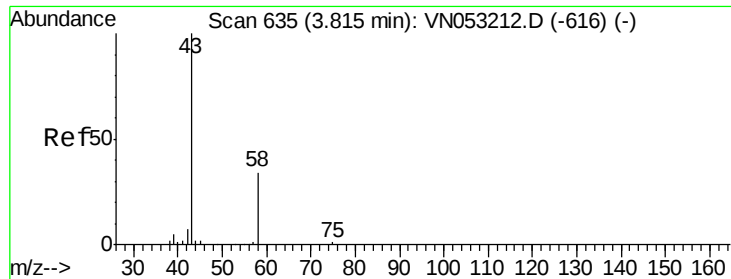
Ion Ratio Lower Upper

53 100

52 81.1 39.9 119.7

51 34.1 17.6 52.9





#15

Acetone

Concen: 121.763 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

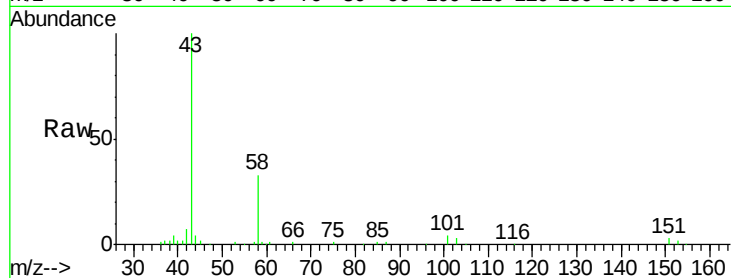
VN0118WBS01

Tot Ion: 58 Resp: 67354

Ion Ratio Lower Upper

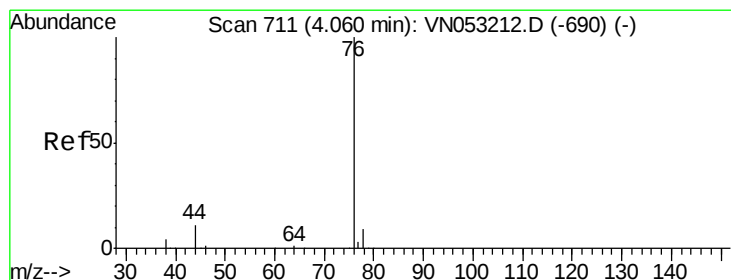
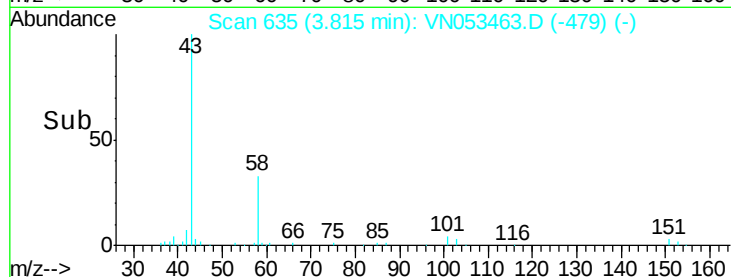
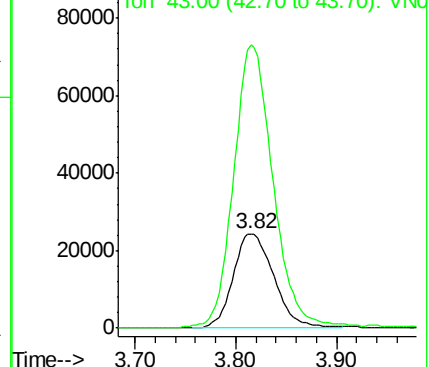
58 100

43 298.7 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 16.131 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053463.D

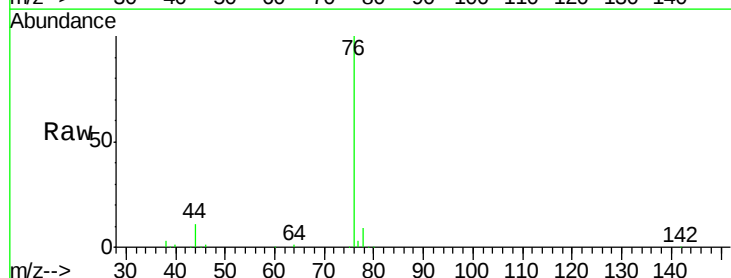
Acq: 18 Jan 2019 10:54

Tgt Ion: 76 Resp: 370419

Ion Ratio Lower Upper

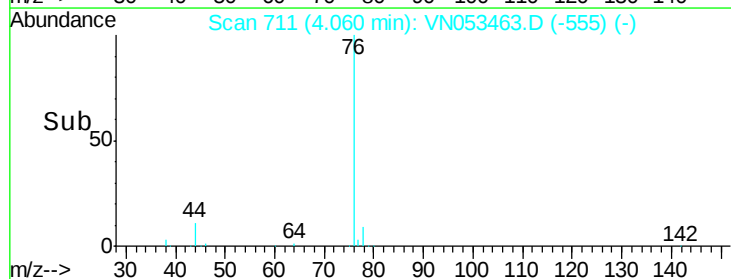
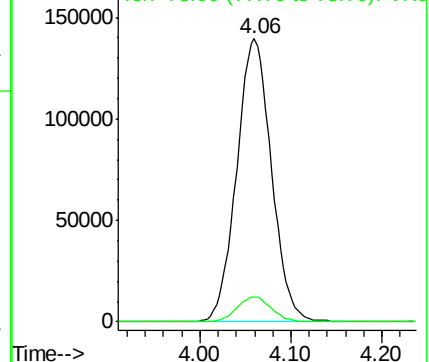
76 100

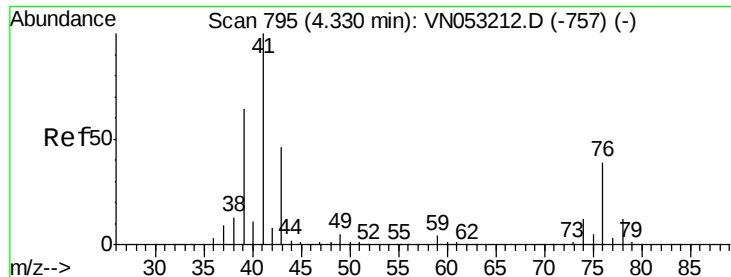
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

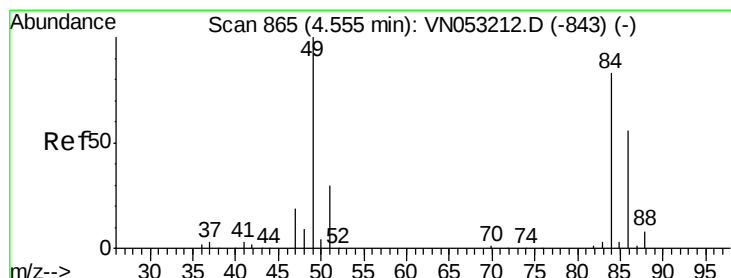
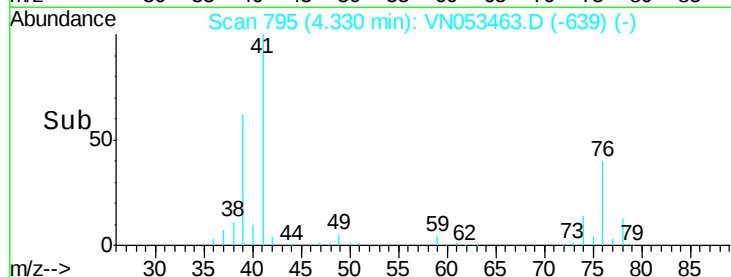
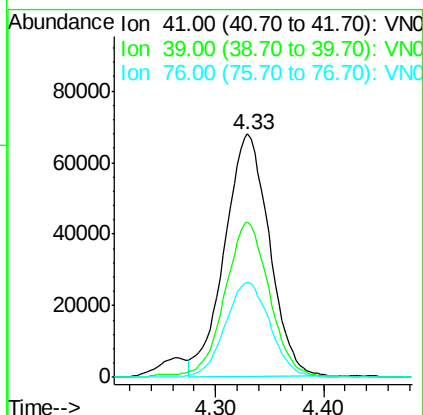
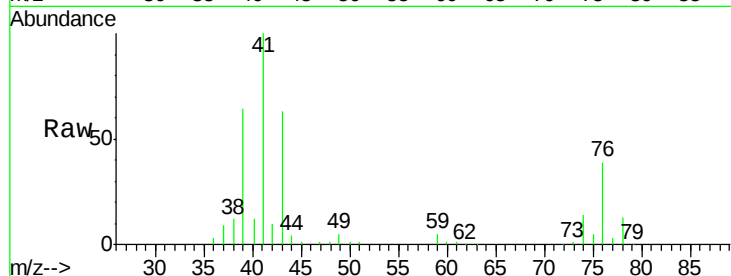




#17
Allvl chloride
Concen: 16.572 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

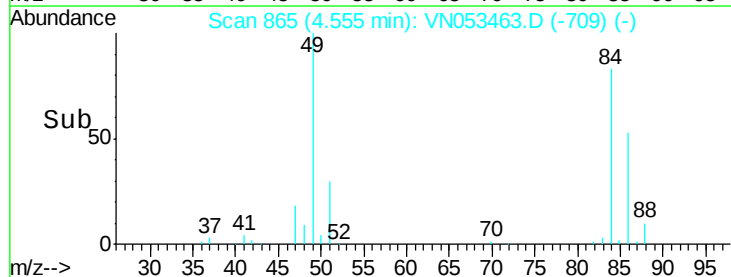
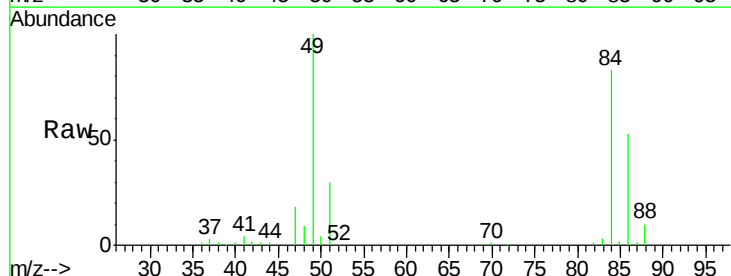
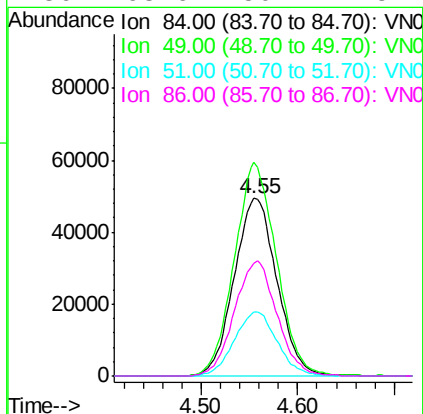
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

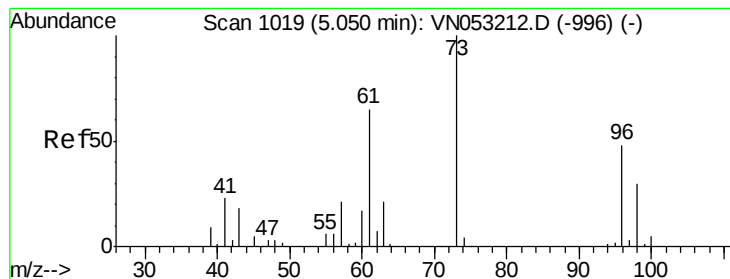
Tot Ion: 41 Resp: 194598
Ion Ratio Lower Upper
41 100
39 63.9 32.8 98.3
76 39.2 18.6 55.8



#18
Methylene Chloride
Concen: 17.740 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion: 84 Resp: 151548
Ion Ratio Lower Upper
84 100
49 119.7 101.4 152.0
51 35.6 31.7 47.5
86 63.6 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 17.458 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

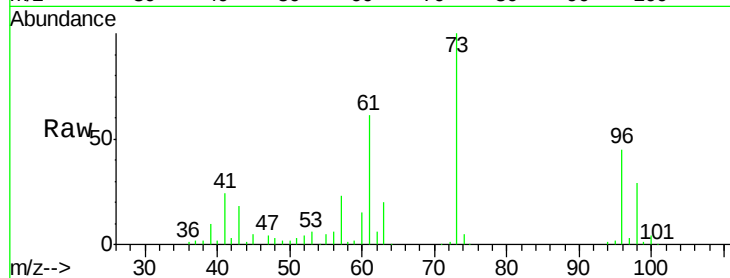
Tot Ion: 96 Resp: 137721

Ion Ratio Lower Upper

96 100

61 136.0 118.2 177.4

98 65.0 51.4 77.2

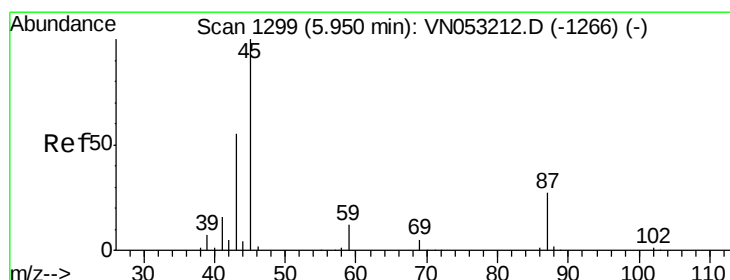
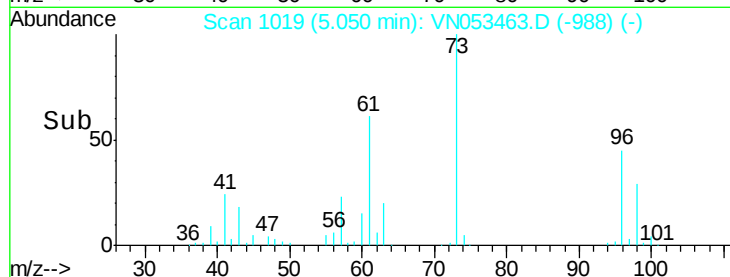
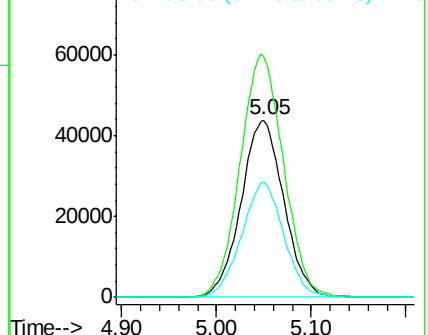


Abundance

Ion 96.00 (95.70 to 96.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#20

Diisopropyl ether

Concen: 17.958 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Tgt Ion: 45 Resp: 451615

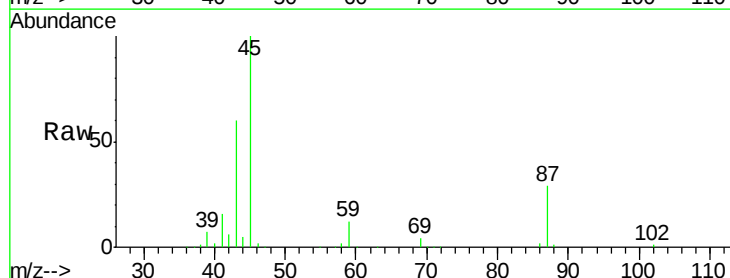
Ion Ratio Lower Upper

45 100

43 59.4 47.8 71.8

87 28.6 21.3 31.9

59 11.5 8.9 13.3



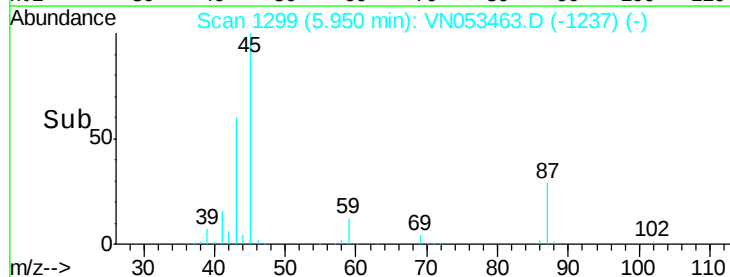
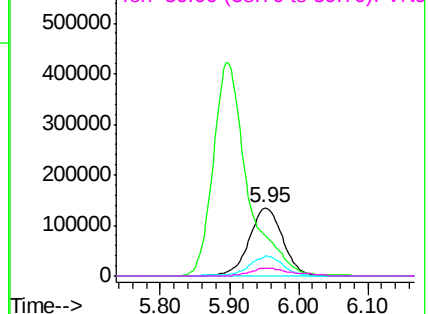
Abundance

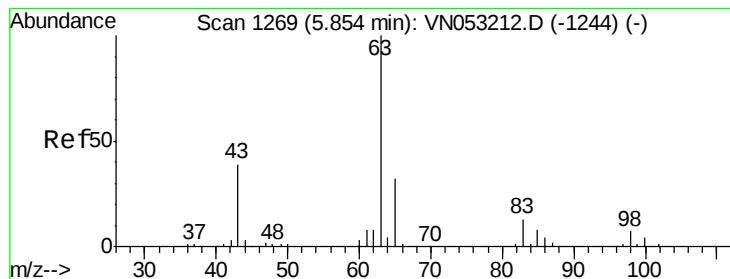
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#21

1,1-Dichloroethane

Concen: 17.890 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

VN0118WBS01

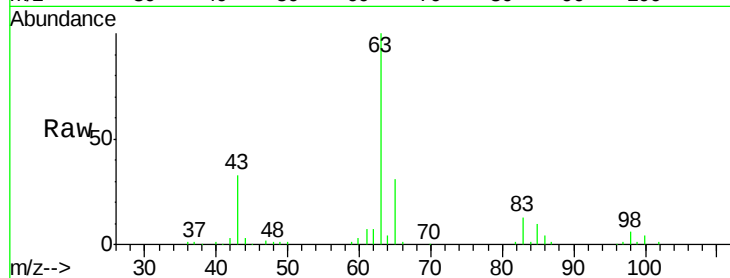
Tot Ion: 63 Resp: 261945

Ion Ratio Lower Upper

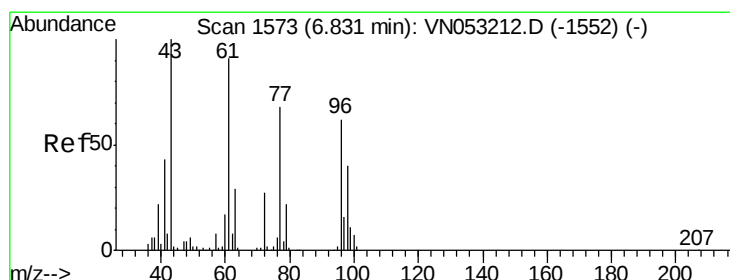
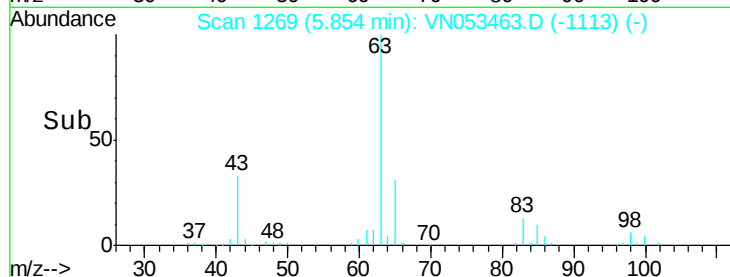
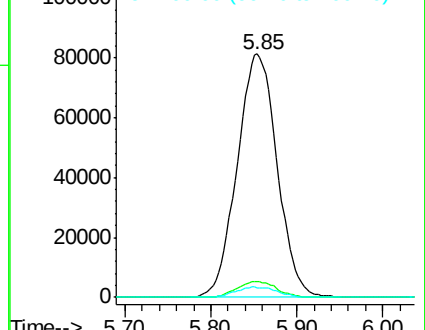
63 100

98 6.5 3.0 9.2

100 4.0 1.8 5.5



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



#22

cis-1,2-Dichloroethene

Concen: 18.179 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

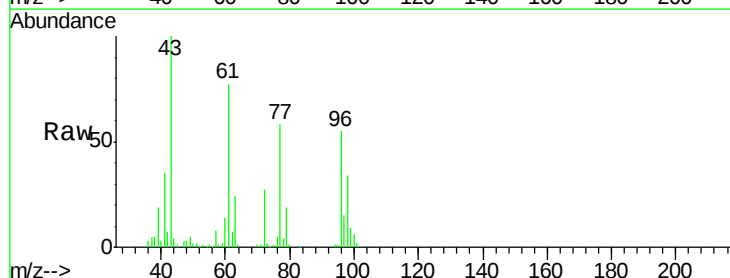
Tgt Ion: 96 Resp: 161543

Ion Ratio Lower Upper

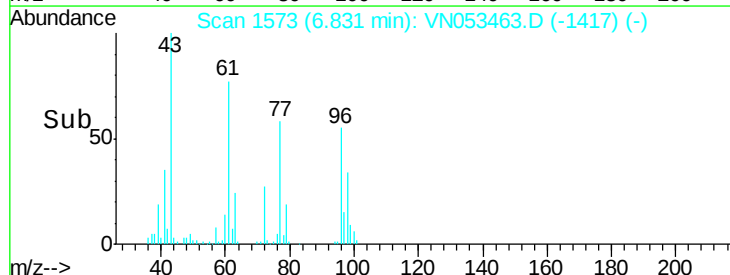
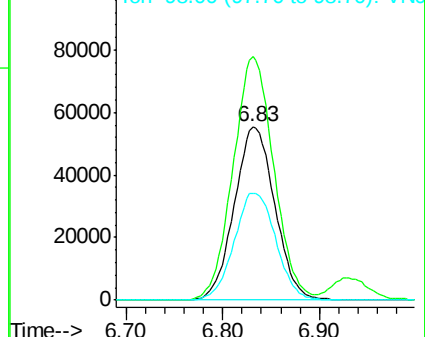
96 100

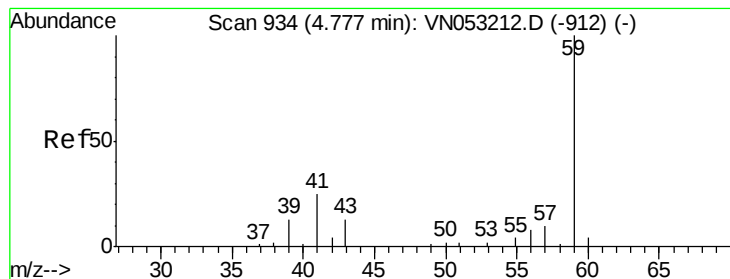
61 140.9 116.7 175.1

98 63.5 50.8 76.2



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



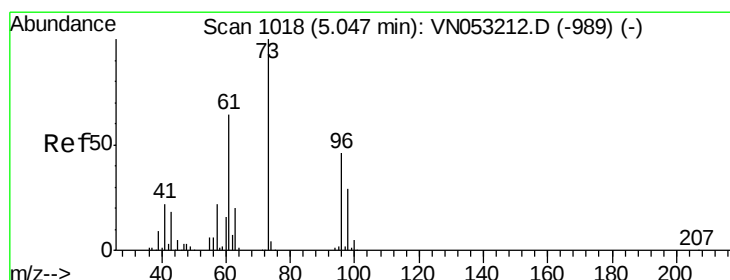
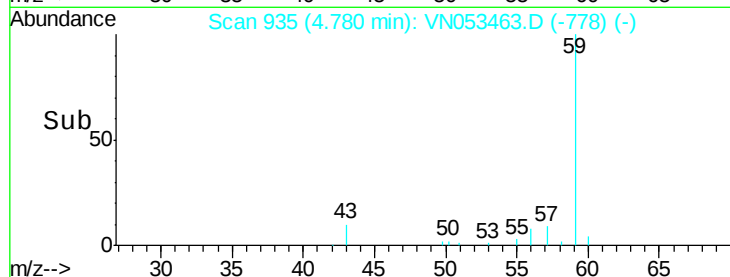
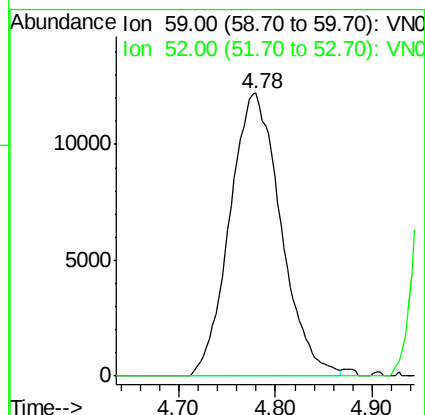
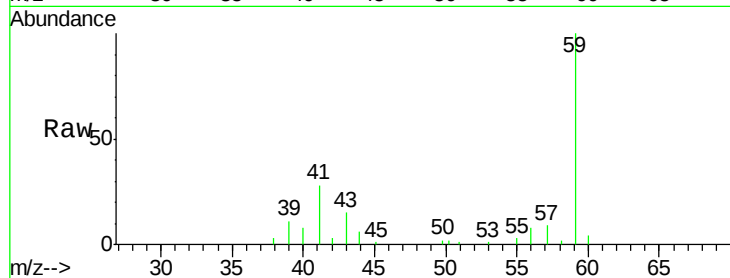


#23

tert-Butyl Alcohol
 Concen: 102.295 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0118WBS01

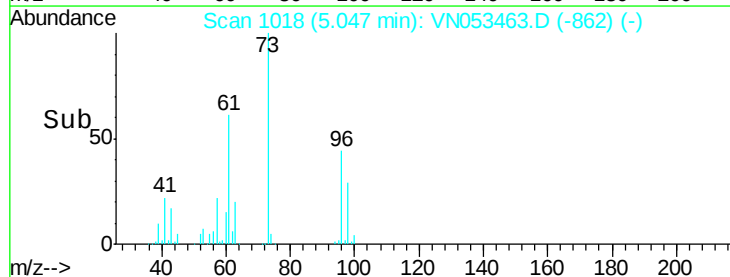
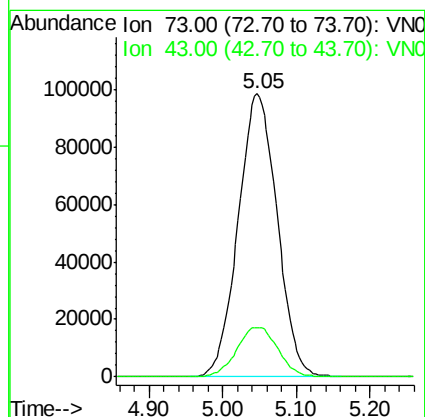
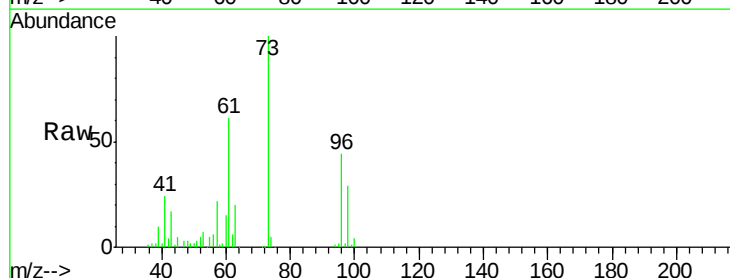
Tot Ion: 59 Resp: 44883
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

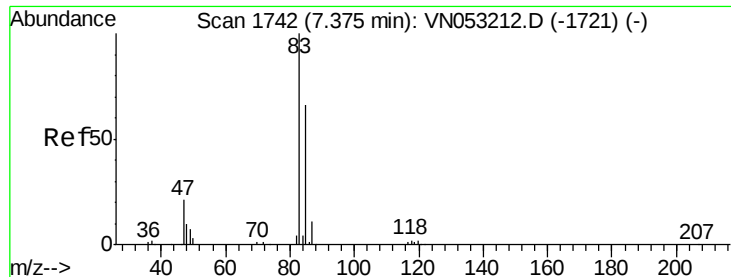


#24

Methyl tert-Butyl Ether
 Concen: 18.628 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion: 73 Resp: 362576
 Ion Ratio Lower Upper
 73 100
 43 9.3 15.8 23.8#





#25

Chloroform

Concen: 18.340 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

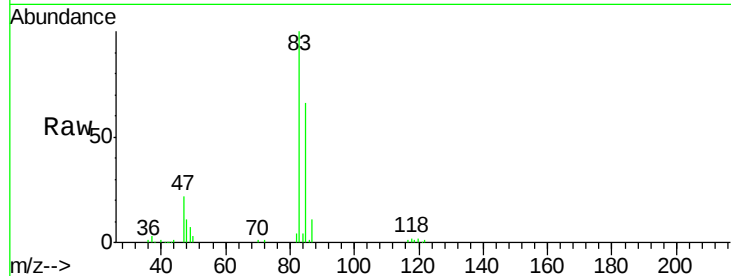
VN0118WBS01

Tot Ion: 83 Resp: 258119

Ion Ratio Lower Upper

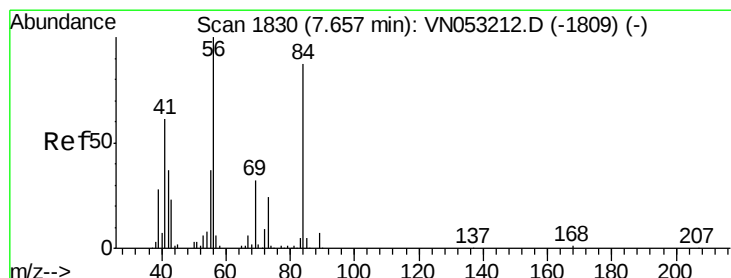
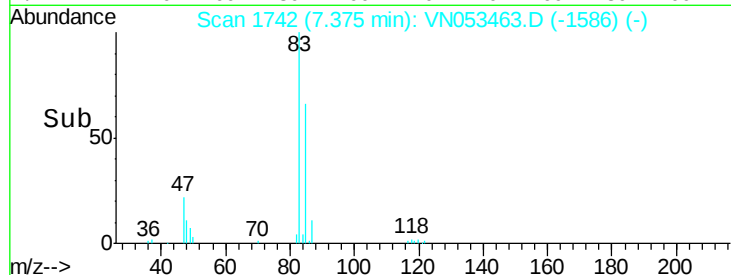
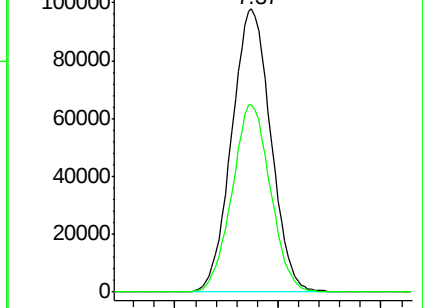
83 100

85 66.2 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 16.944 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

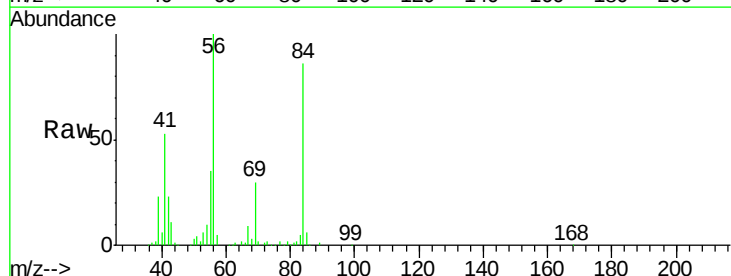
Tgt Ion: 56 Resp: 231406

Ion Ratio Lower Upper

56 100

89 0.2 0.5 0.7#

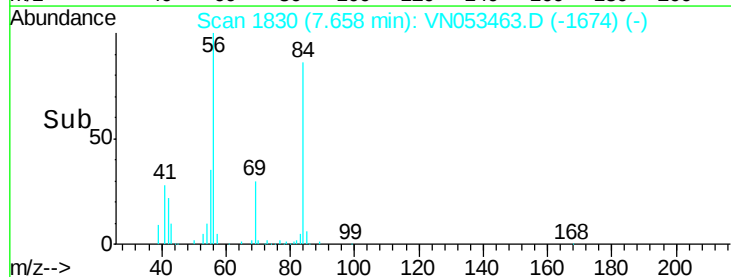
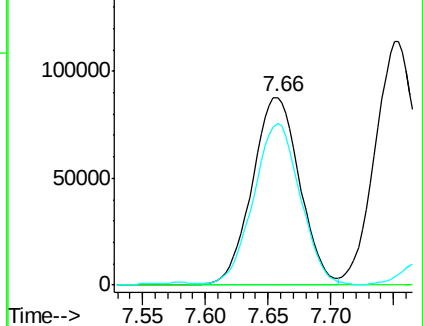
84 85.3 66.2 99.2

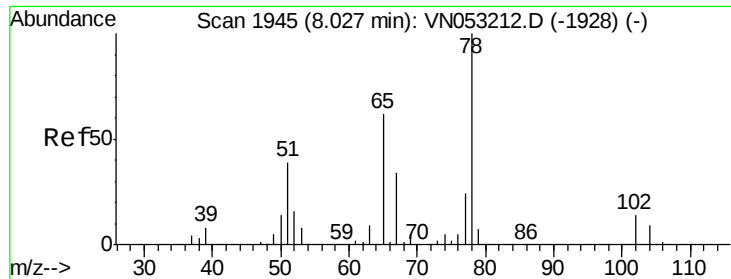


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

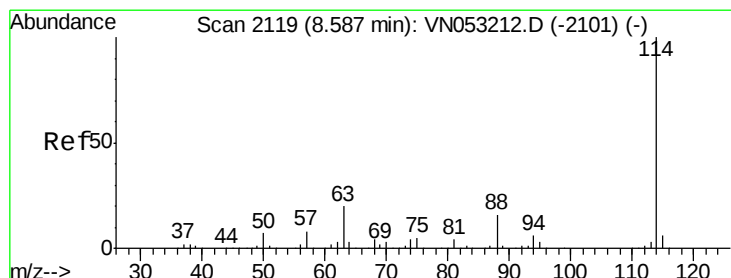
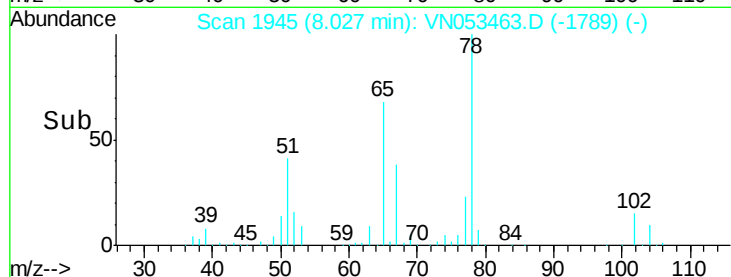
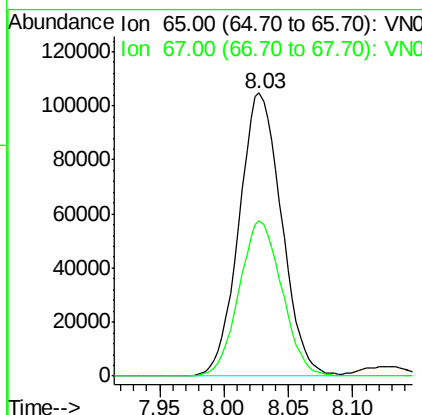
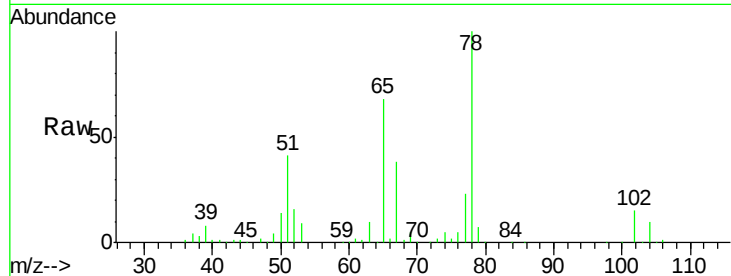




#27
 1,2-Dichloroethane-d4
 Concen: 16.944 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

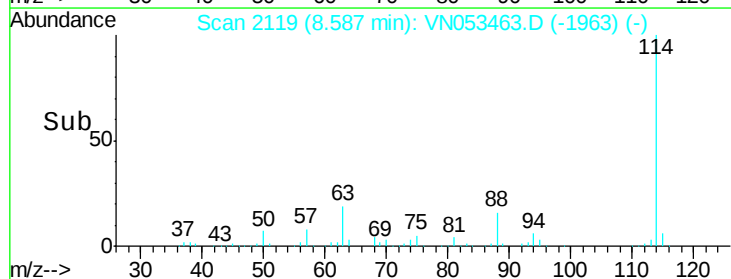
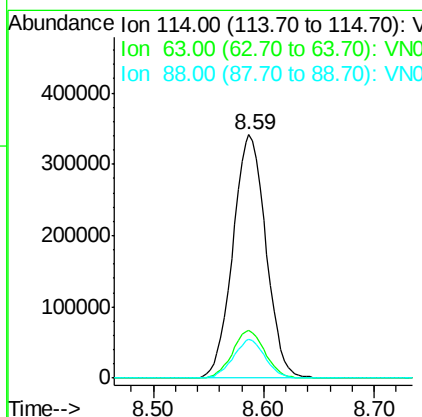
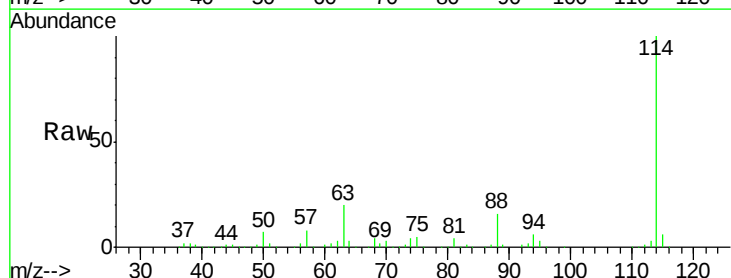
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

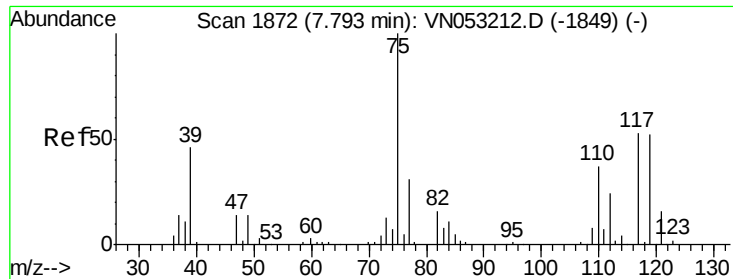
Tot Ion: 65 Resp: 240647
 Ion Ratio Lower Upper
 65 100
 67 55.3 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion: 114 Resp: 707524
 Ion Ratio Lower Upper
 114 100
 63 19.4 16.9 25.3
 88 15.2 12.8 19.2





#29

1,1-Dichloropropene

Concen: 18.304 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

VN0118WBS01

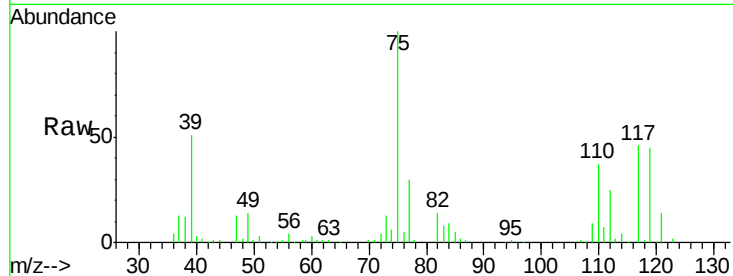
Tot Ion: 75 Resp: 196167

Ion Ratio Lower Upper

75 100

110 36.3 0.0 70.2

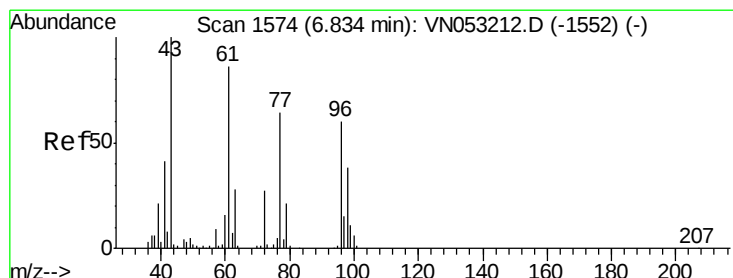
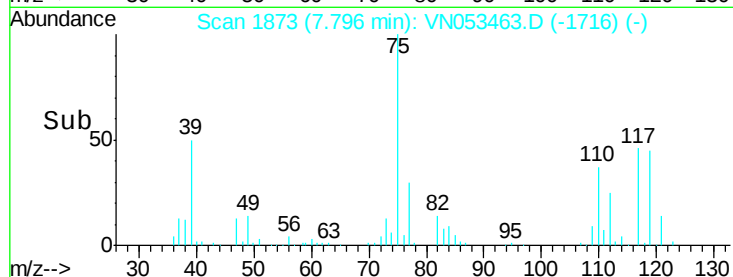
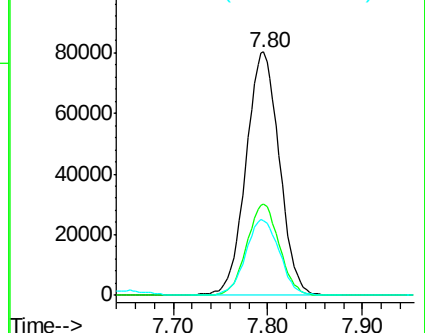
77 31.4 0.0 62.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 110.00 (109.70 to 110.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 112.193 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

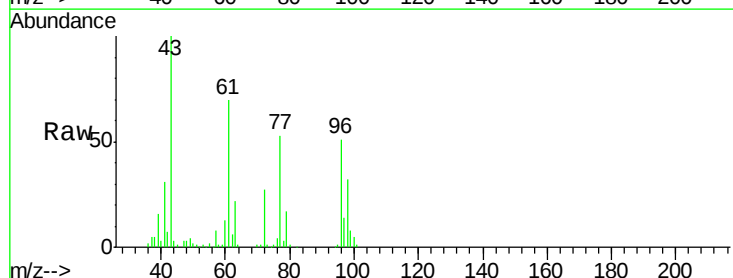
Tgt Ion: 43 Resp: 299980

Ion Ratio Lower Upper

43 100

57 8.3 6.2 9.4

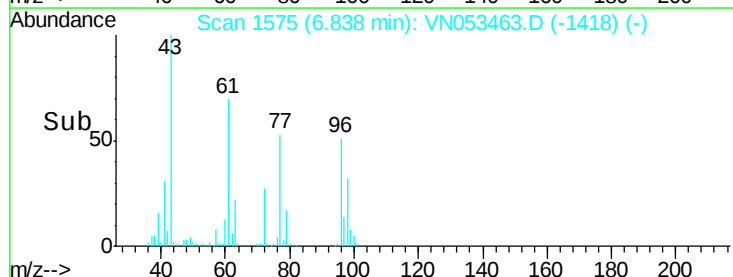
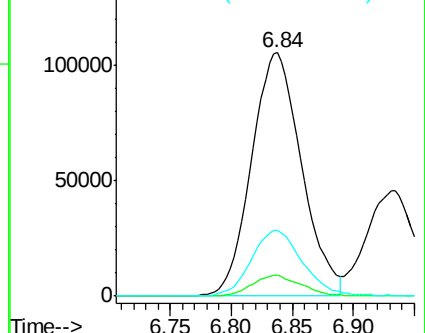
72 27.6 21.0 31.6

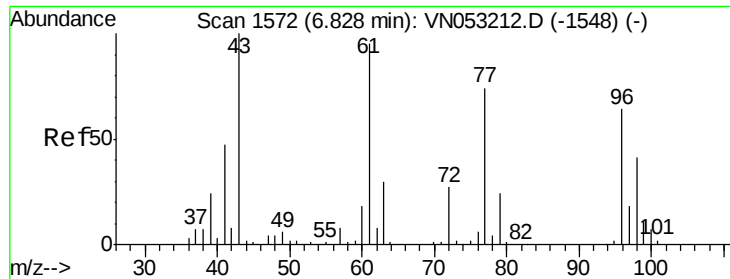


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

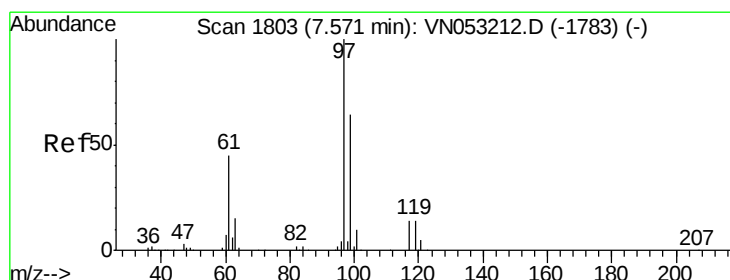
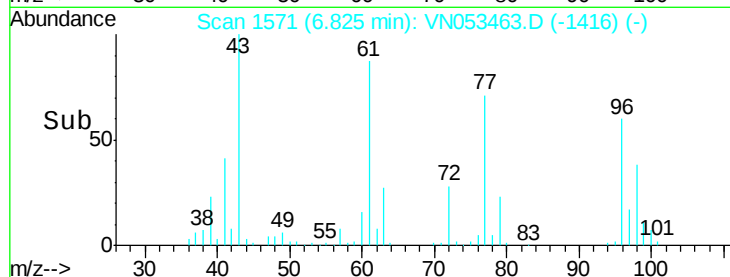
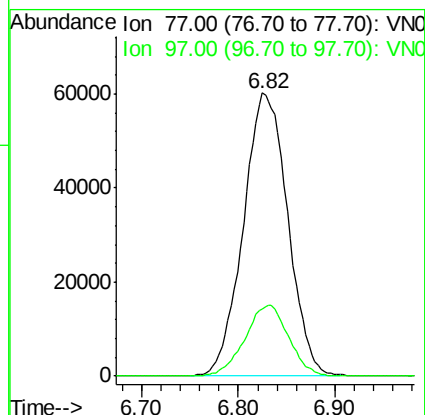
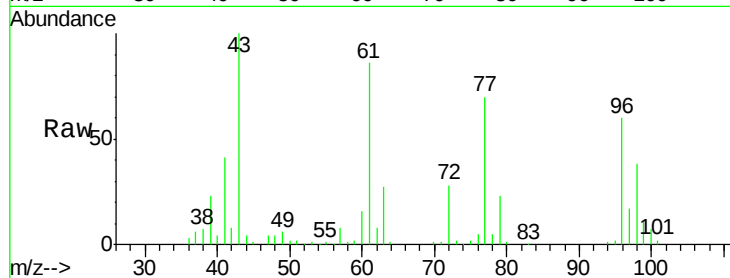




#31
 2,2-Dichloropropane
 Concen: 18.513 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

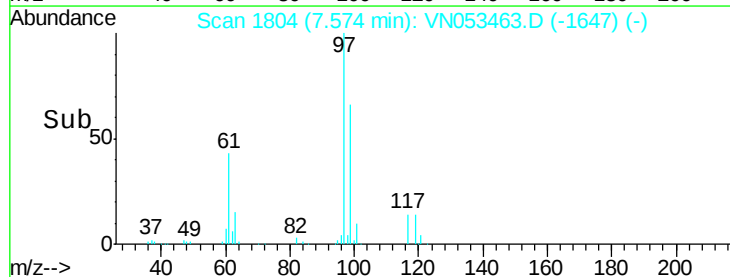
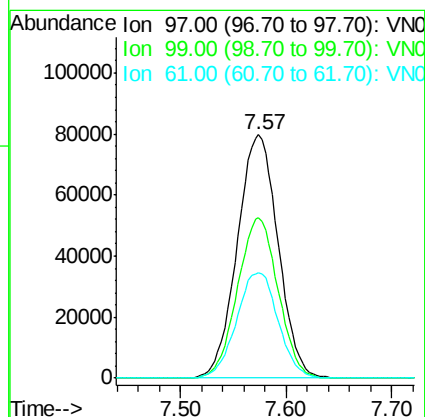
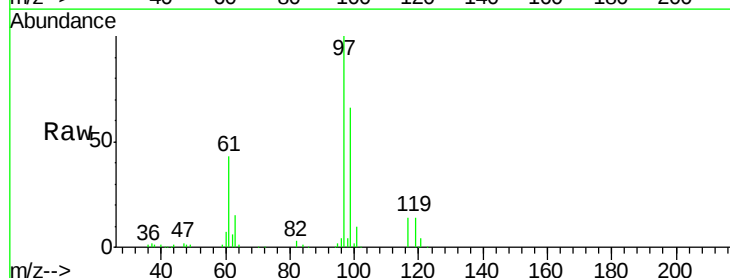
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

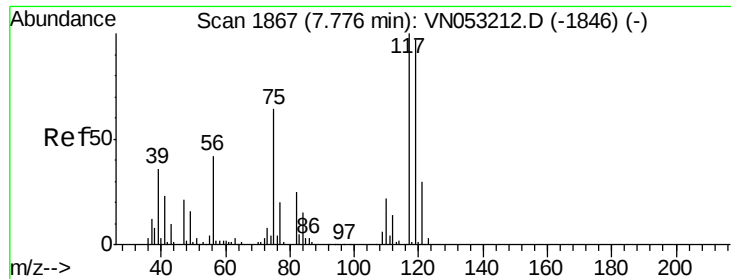
Tot Ion: 77 Resp: 192081
 Ion Ratio Lower Upper
 77 100
 97 24.6 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 19.149 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion: 97 Resp: 215026
 Ion Ratio Lower Upper
 97 100
 99 65.2 50.9 76.3
 61 44.0 38.1 57.1

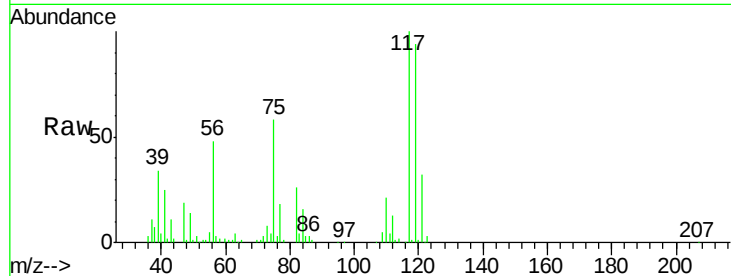




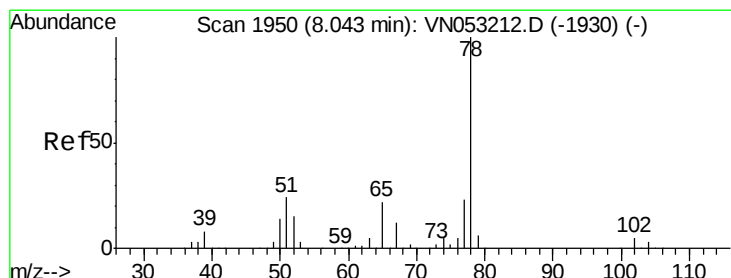
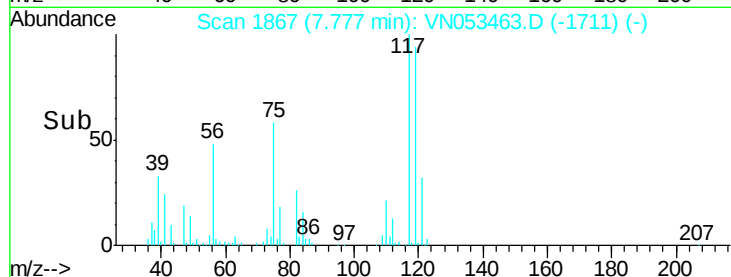
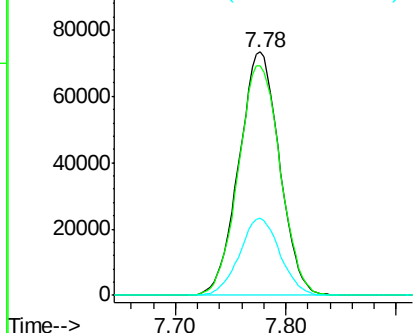
#33
Carbon Tetrachloride
Concen: 19.011 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

Tot Ion:117 Resp: 186856
Ion Ratio Lower Upper
117 100
119 94.4 77.3 115.9
121 31.6 24.9 37.3

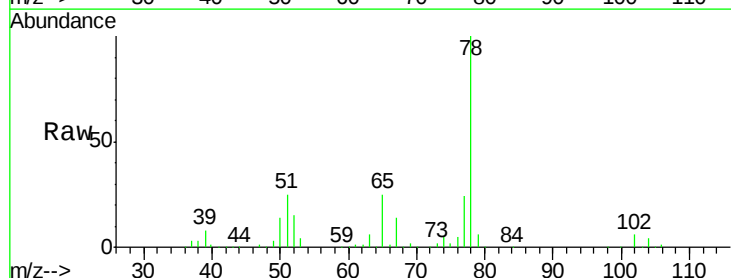


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

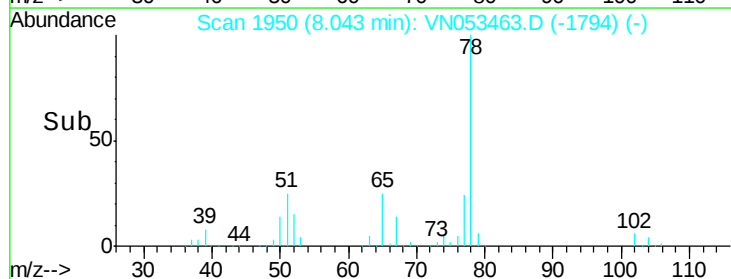
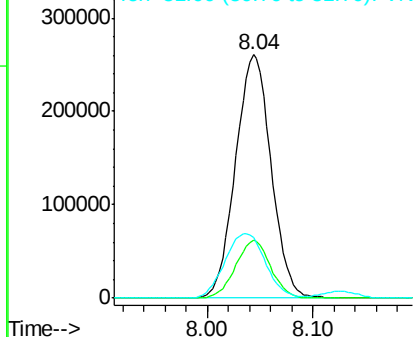


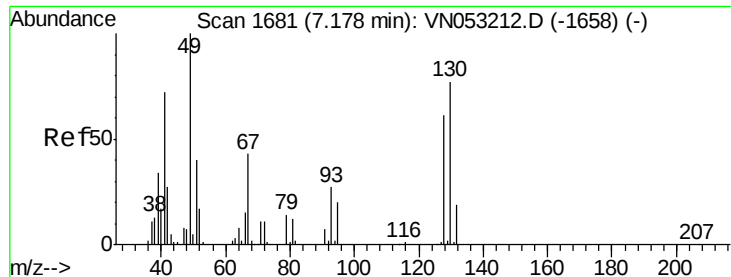
#34
Benzene
Concen: 18.973 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion: 78 Resp: 611091
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6
51 24.5 20.5 30.7



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

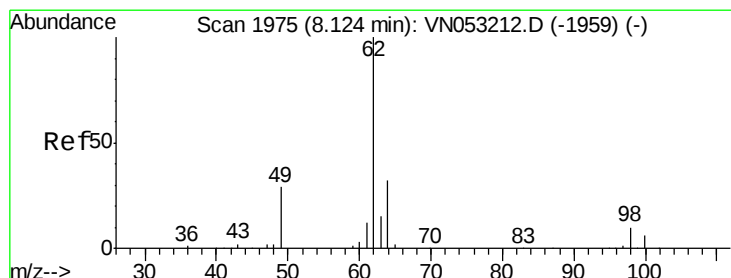
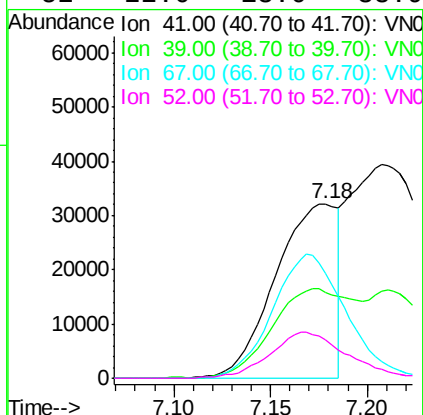
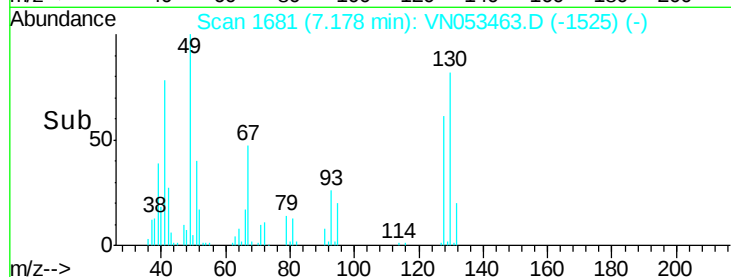
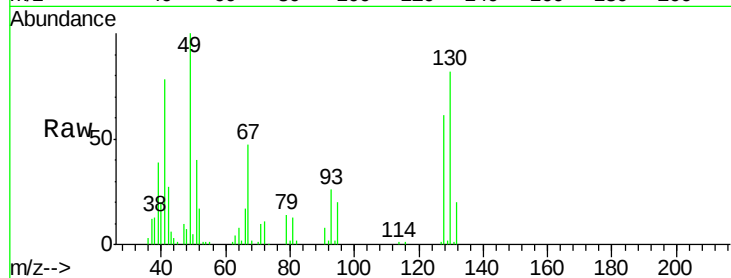




#35
Methacrylonitrile
Concen: 20.767 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

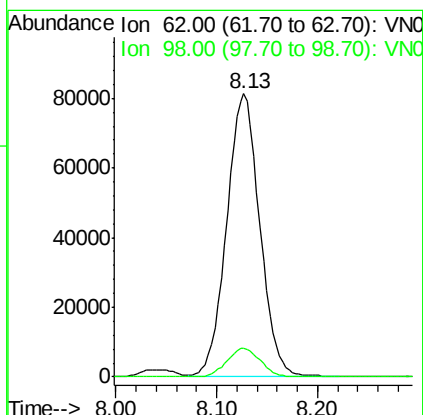
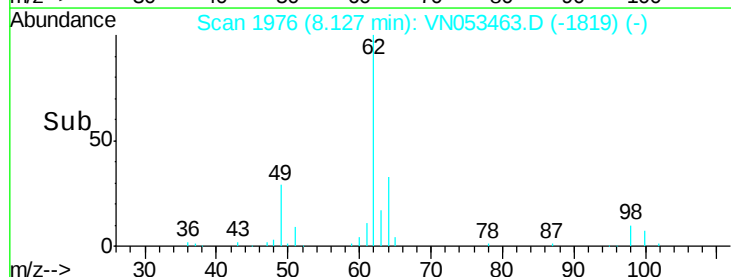
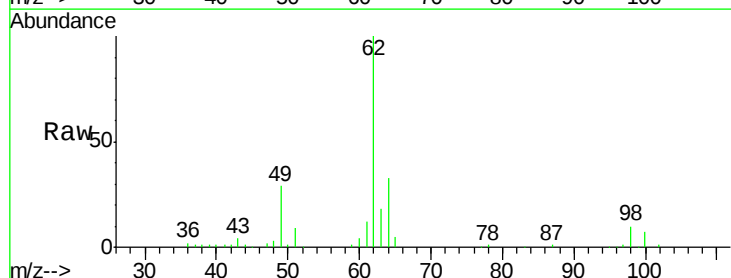
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

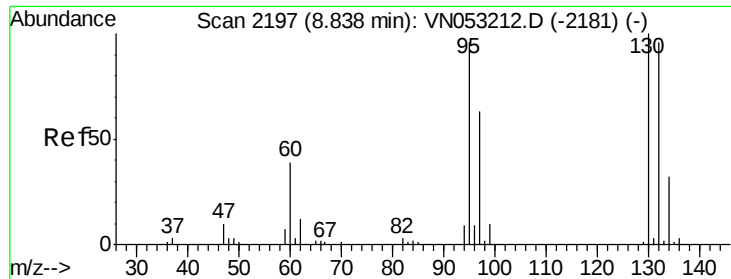
Tot Ion: 41 Resp: 71650
Ion Ratio Lower Upper
41 100
39 49.6 26.6 79.7
67 60.0 32.3 96.9
52 22.0 13.0 38.9



#36
1,2-Dichloroethane
Concen: 19.753 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion: 62 Resp: 184697
Ion Ratio Lower Upper
62 100
98 10.2 7.4 11.2

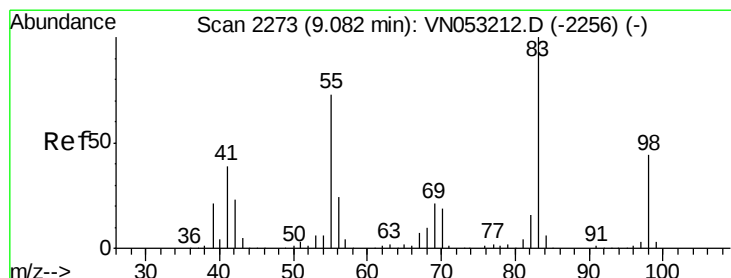
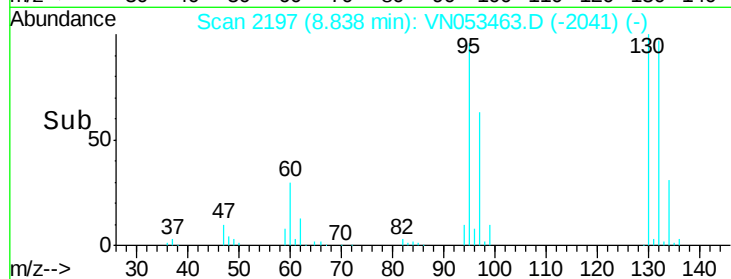
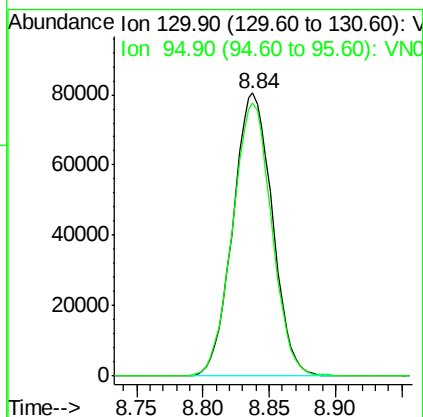
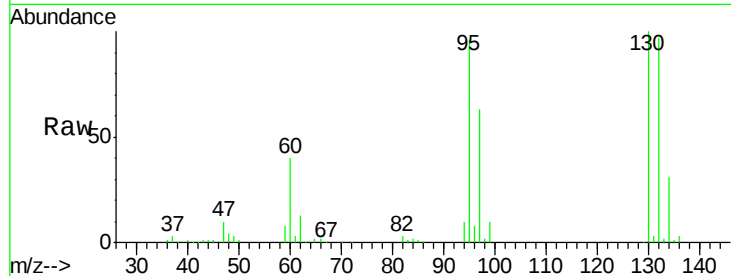




#37
 Trichloroethene
 Concen: 18.991 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

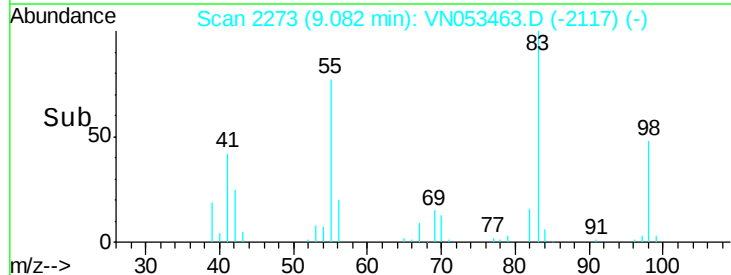
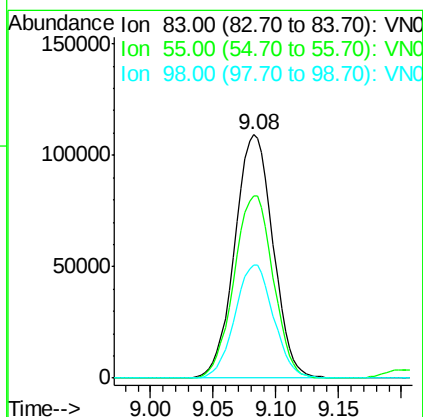
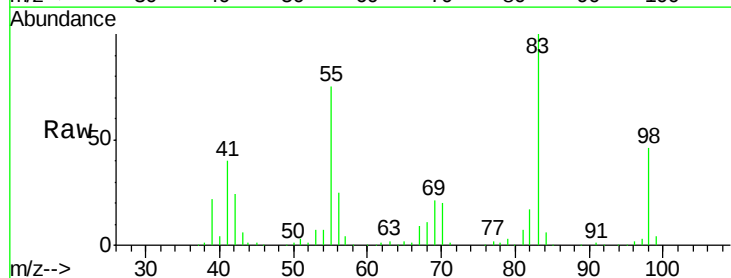
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

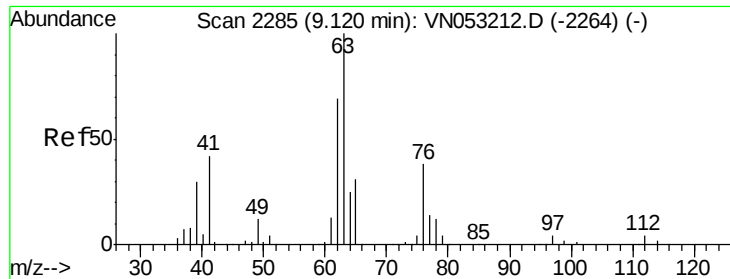
Tot Ion:130 Resp: 165699
 Ion Ratio Lower Upper
 130 100
 95 96.5 81.0 121.4



#38
 Methylcyclohexane
 Concen: 18.516 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion: 83 Resp: 232098
 Ion Ratio Lower Upper
 83 100
 55 76.5 39.8 119.4
 98 46.9 22.9 68.5

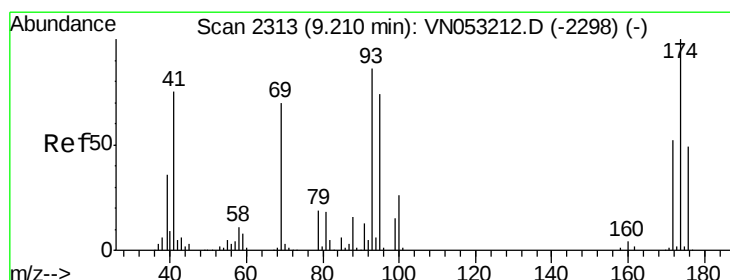
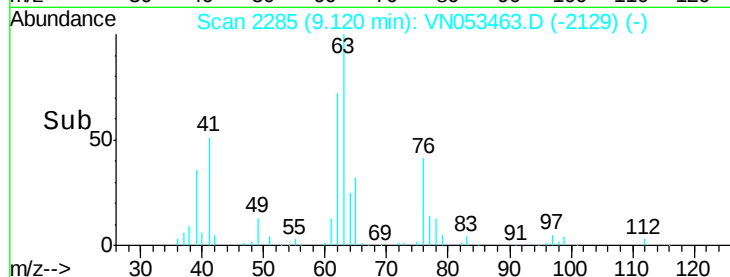
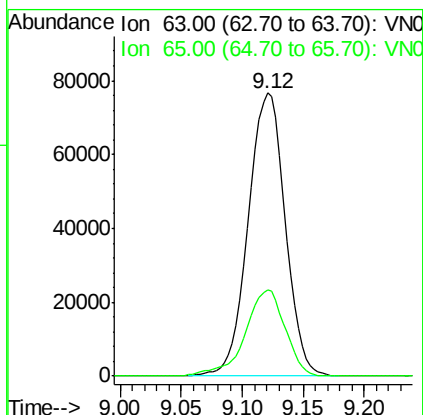
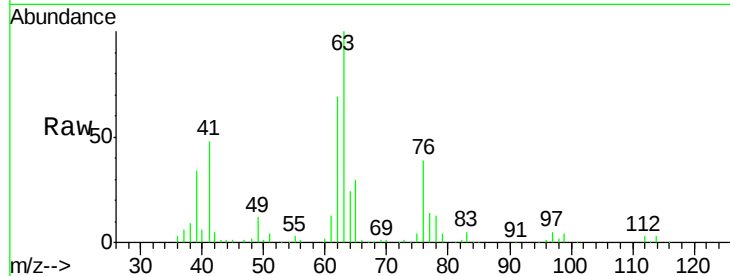




#39
 1,2-Dichloropropane
 Concen: 19.111 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

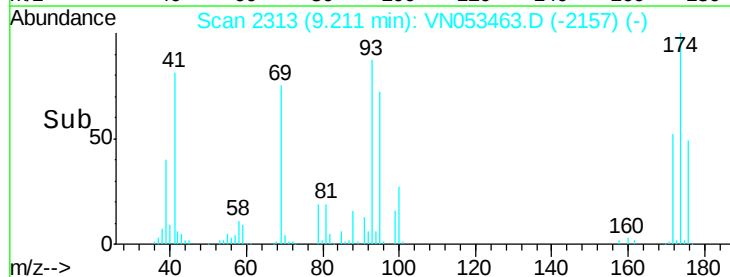
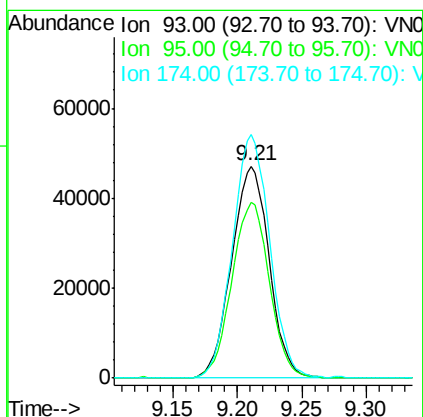
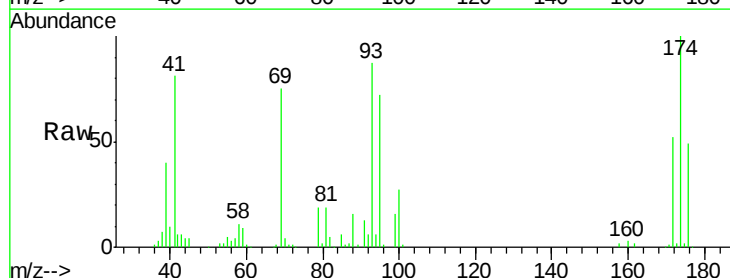
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

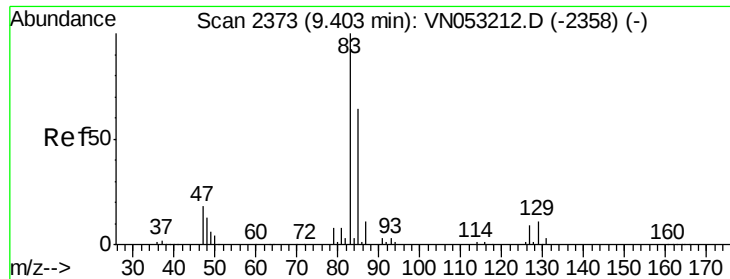
Tot Ion: 63 Resp: 160734
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.6 35.4



#40
 Dibromomethane
 Concen: 20.127 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion: 93 Resp: 95731
 Ion Ratio Lower Upper
 93 100
 95 82.9 0.0 168.4
 174 113.8 0.0 210.0

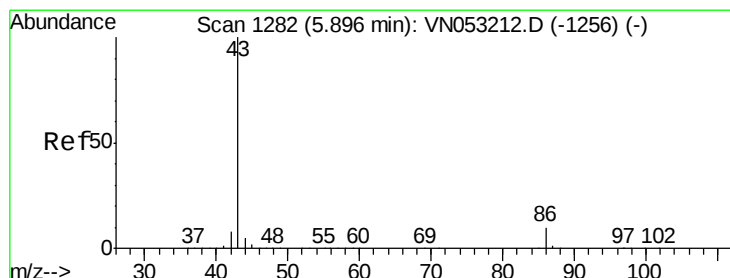
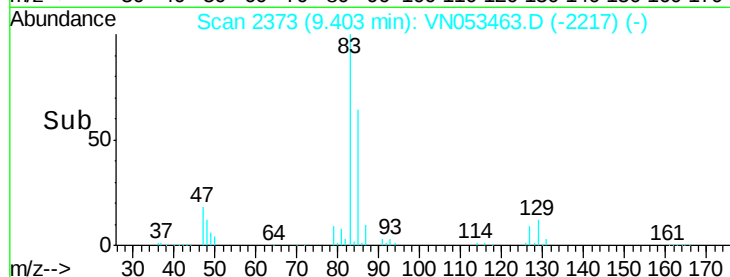
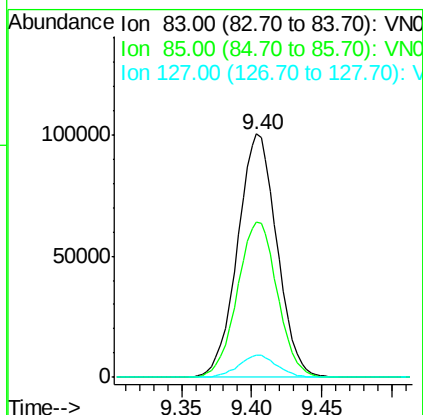
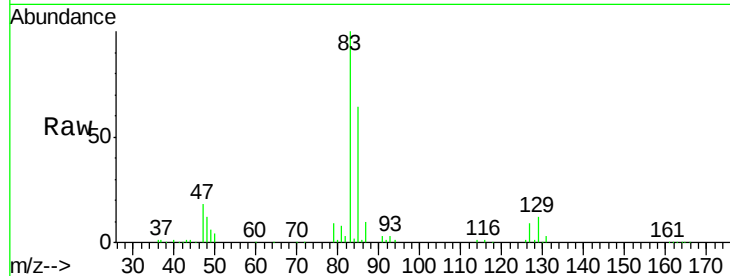




#41
Bromodichloromethane
Concen: 19.171 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

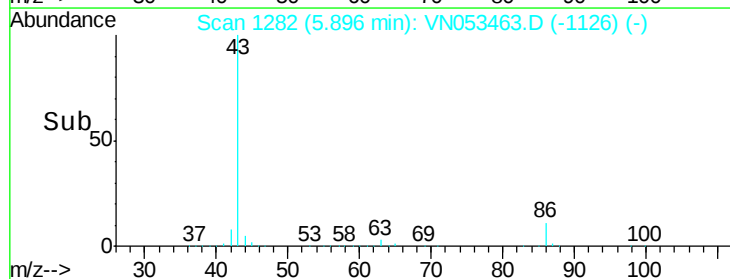
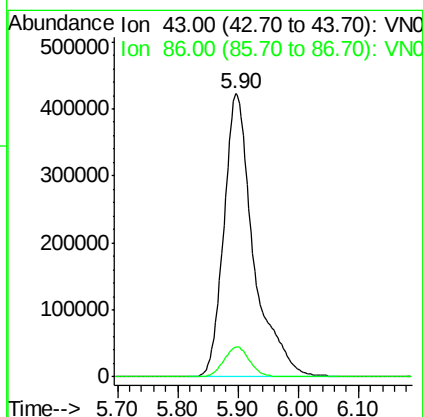
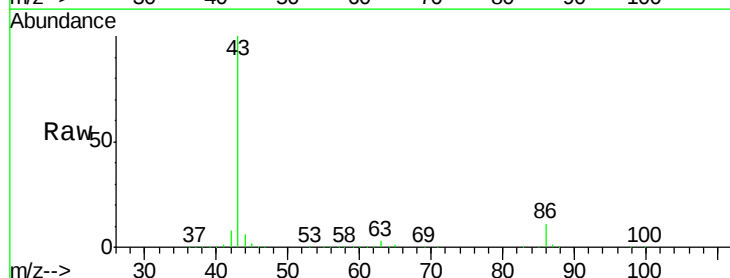
Instrument :
MSVOA_N
ClientSampled :
VN0118WBS01

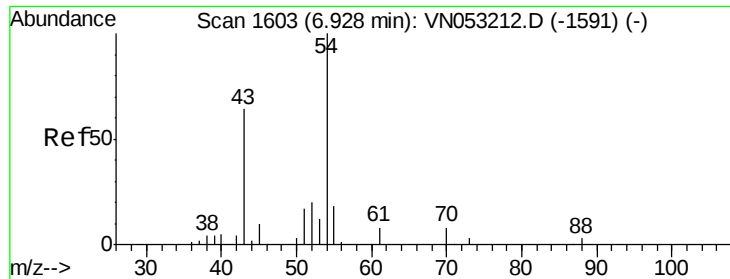
Tot Ion: 83 Resp: 195819
Ion Ratio Lower Upper
83 100
85 63.6 52.4 78.6
127 9.0 6.6 9.8



#42
Vinyl Acetate
Concen: 99.148 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion: 43 Resp: 1446299
Ion Ratio Lower Upper
43 100
86 9.2 6.5 9.7





#43

Ethyl Acetate

Concen: 22.180 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.01 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

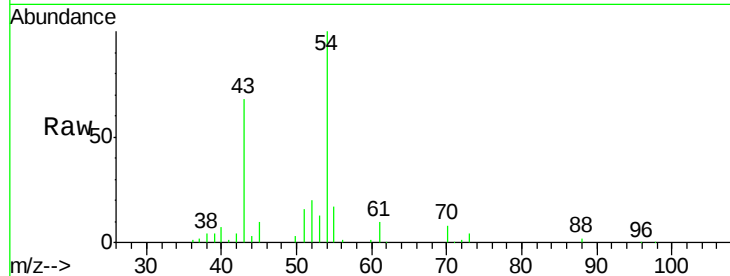
VN0118WBS01

Tot Ion: 43 Resp: 132438

Ion Ratio Lower Upper

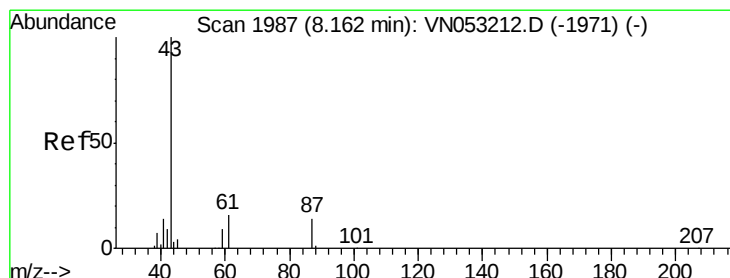
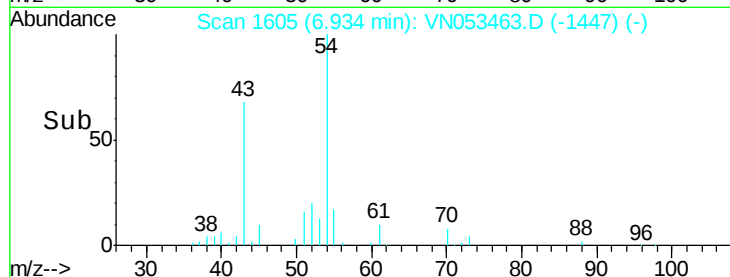
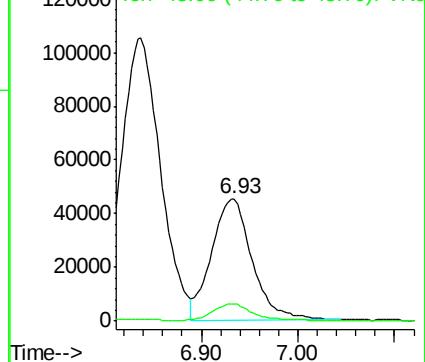
43 100

45 13.3 1.0 1.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 21.272 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053463.D

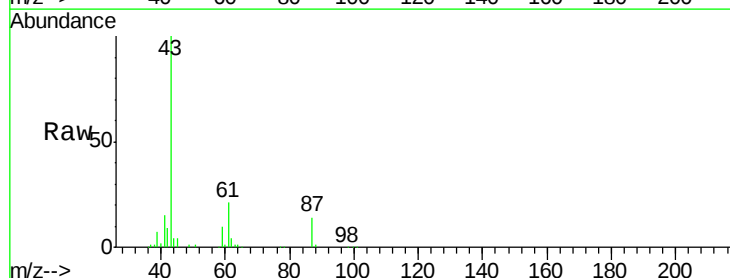
Acq: 18 Jan 2019 10:54

Tgt Ion: 43 Resp: 236609

Ion Ratio Lower Upper

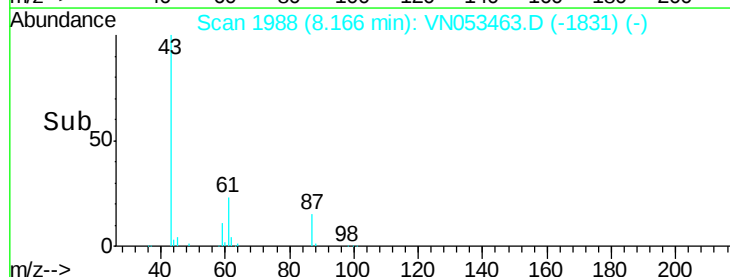
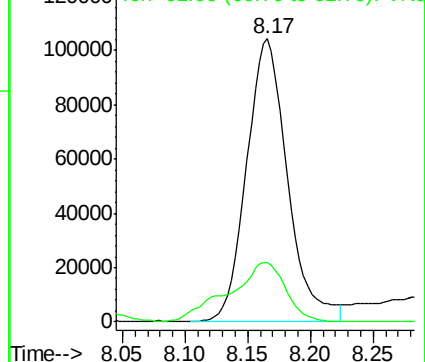
43 100

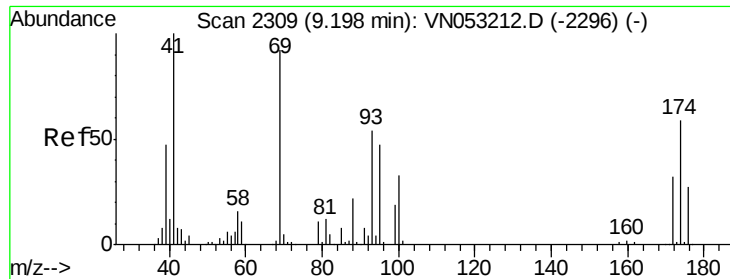
61 28.5 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

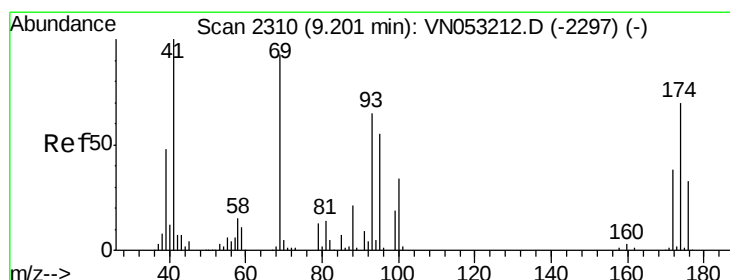
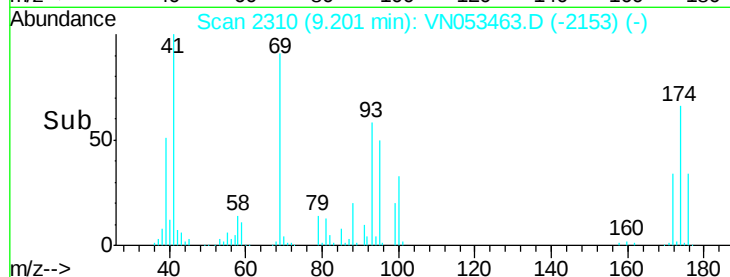
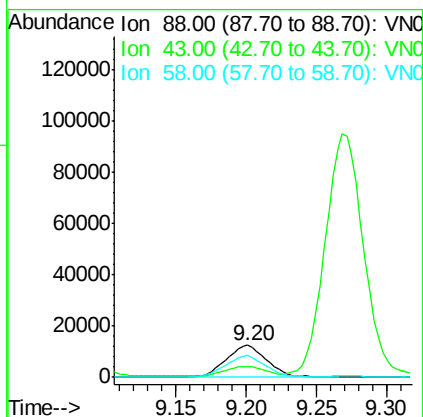
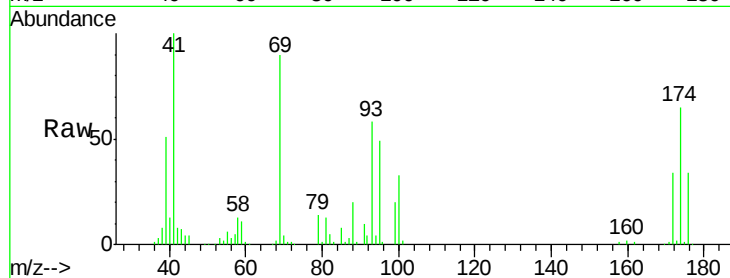




#45
1,4-Dioxane
Concen: 372.402 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

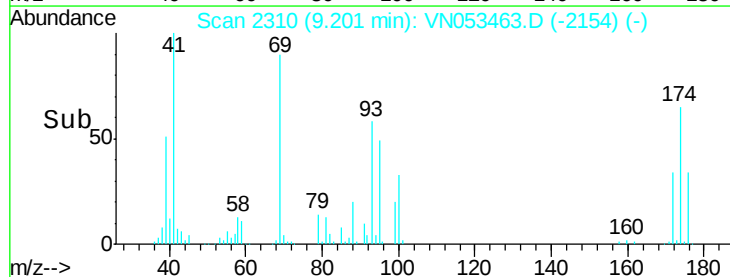
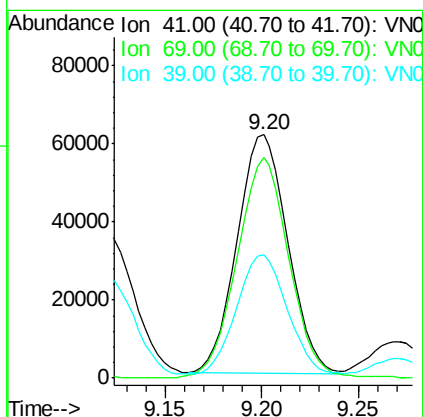
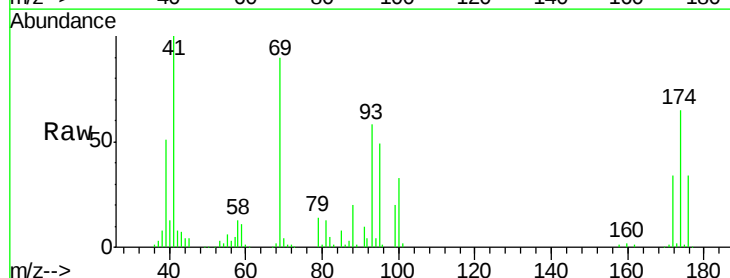
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

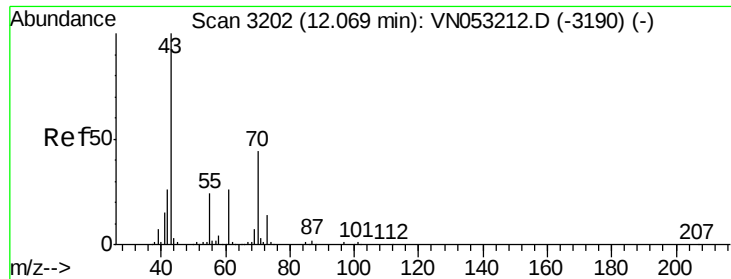
Tot Ion: 88 Resp: 25330
Ion Ratio Lower Upper
88 100
43 30.7 29.5 44.3
58 69.2 61.5 92.3



#46
Methyl methacrylate
Concen: 19.926 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion: 41 Resp: 111967
Ion Ratio Lower Upper
41 100
69 91.5 42.5 127.6
39 50.3 26.3 78.9

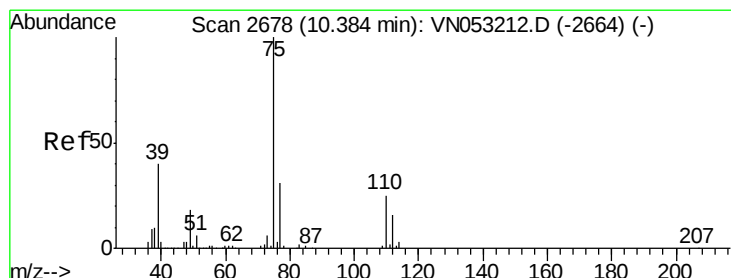
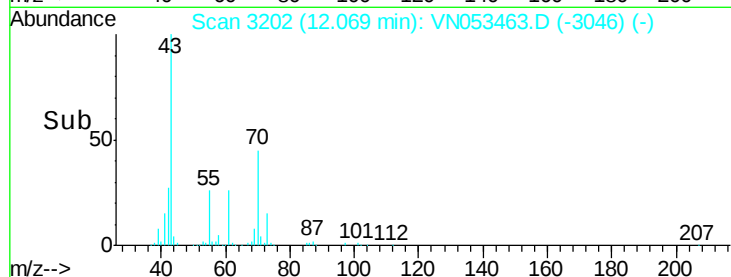
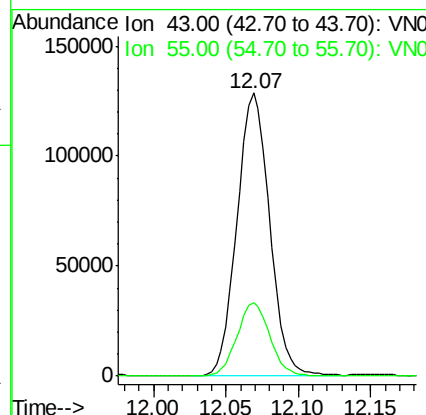
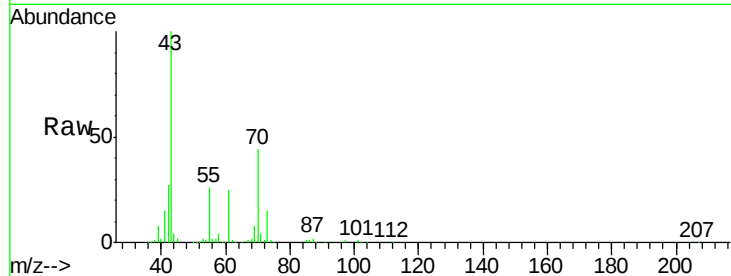




#47
n-amvl Acetate
Concen: 20.531 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

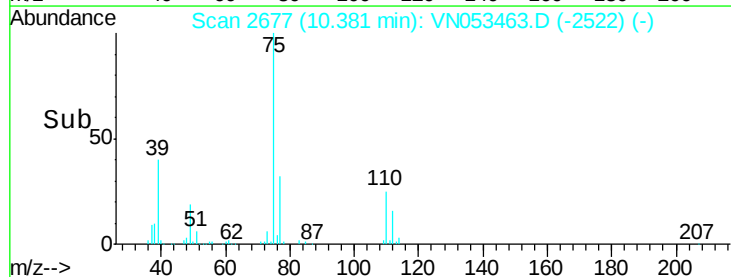
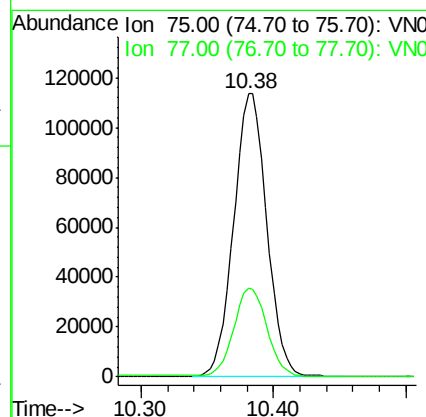
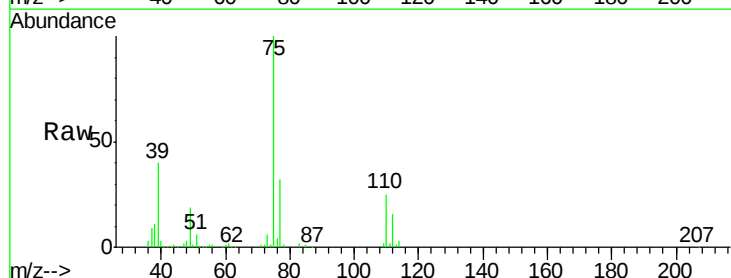
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

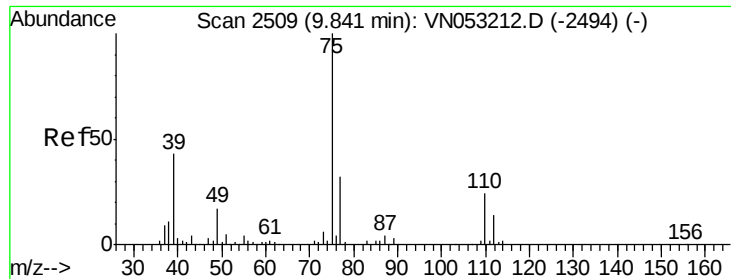
Tot Ion: 43 Resp: 200553
Ion Ratio Lower Upper
43 100
55 26.2 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 18.922 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion: 75 Resp: 197270
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4



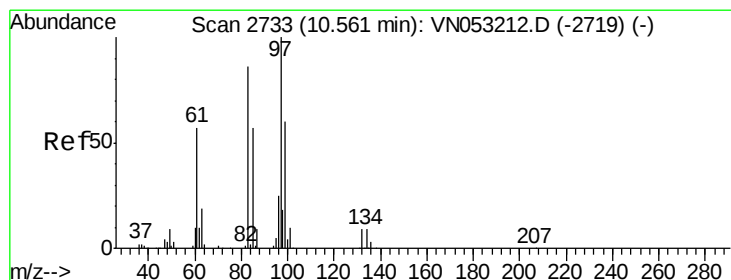
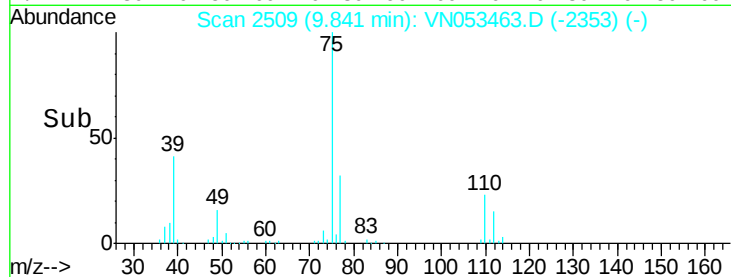
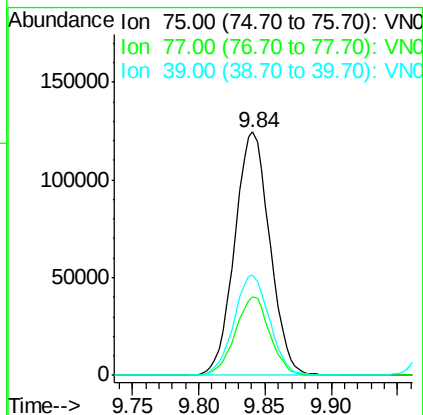
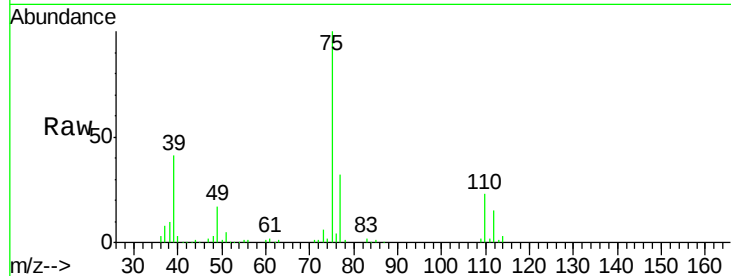


#49

cis-1,3-Dichloropropene
 Concen: 18.683 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

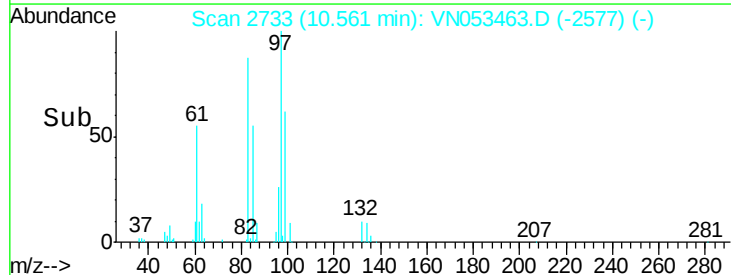
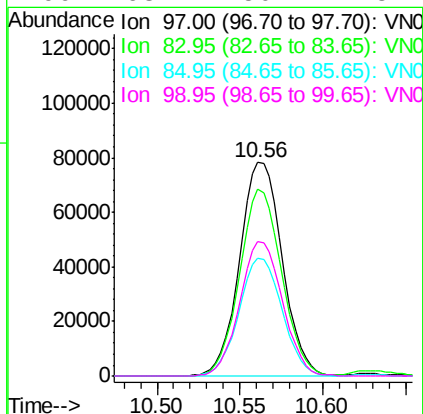
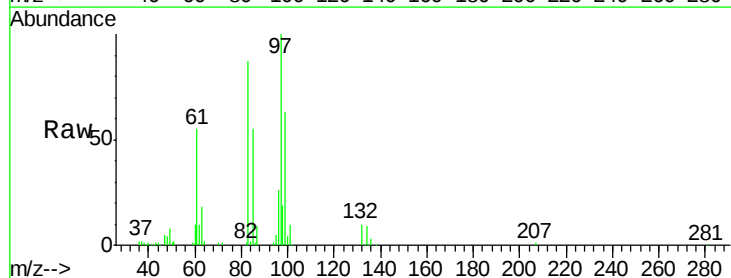
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0
39	40.9	37.3	55.9

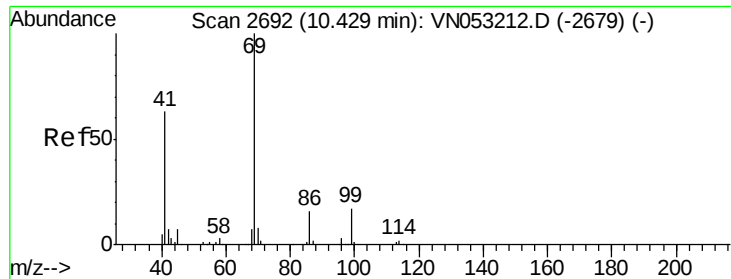


#50

1,1,2-Trichloroethane
 Concen: 20.560 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.4	105.6
85	55.3	45.0	67.6
99	63.1	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.917 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

VN0118WBS01

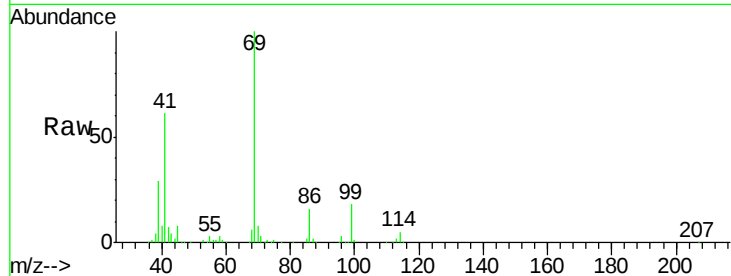
Tot Ion: 69 Resp: 177026

Ion	Ratio	Lower	Upper
69	100		
41	60.9	34.4	103.3
39	29.2	16.4	49.2

69 100

41 60.9 34.4 103.3

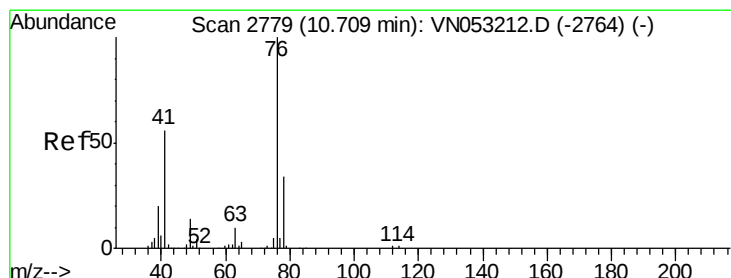
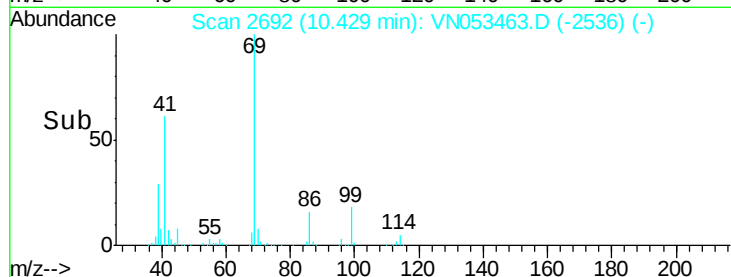
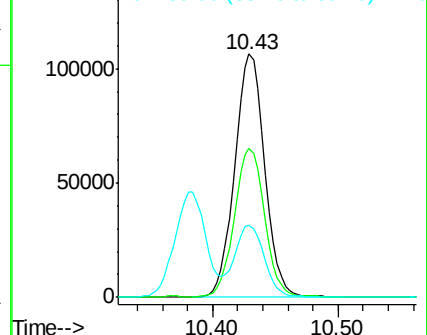
39 29.2 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.237 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053463.D

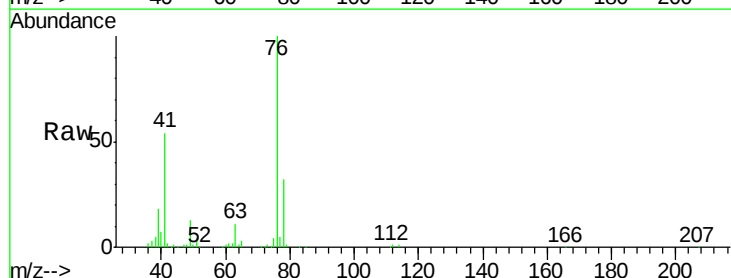
Acq: 18 Jan 2019 10:54

Tgt Ion: 76 Resp: 237744

Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	64.8

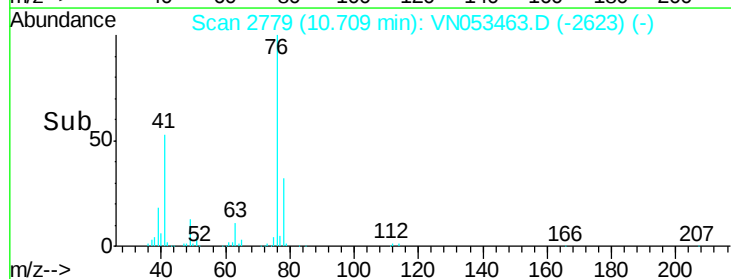
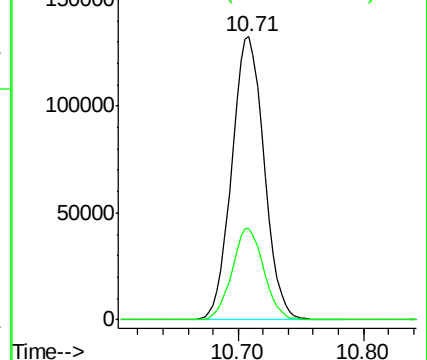
76 100

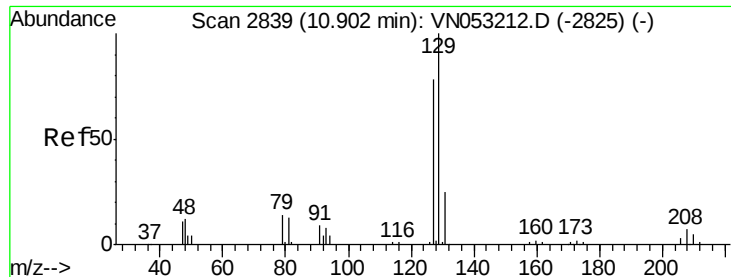
78 31.8 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

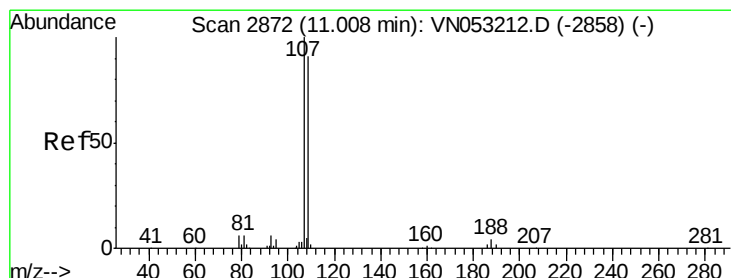
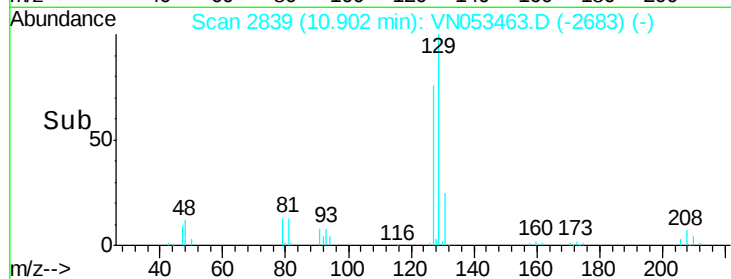
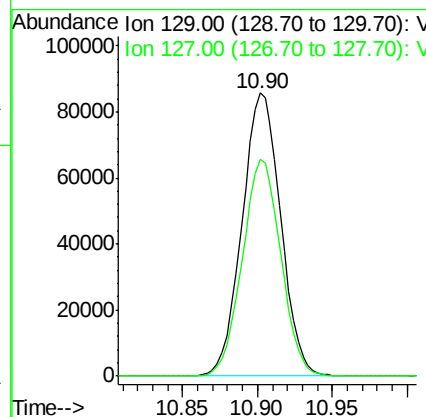
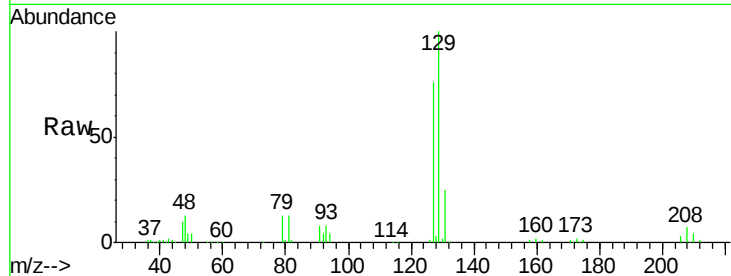




#53
 Dibromochloromethane
 Concen: 20.125 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

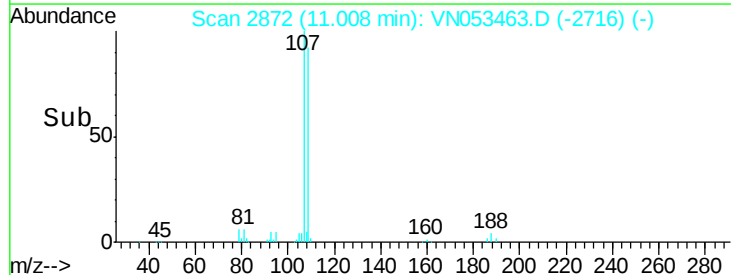
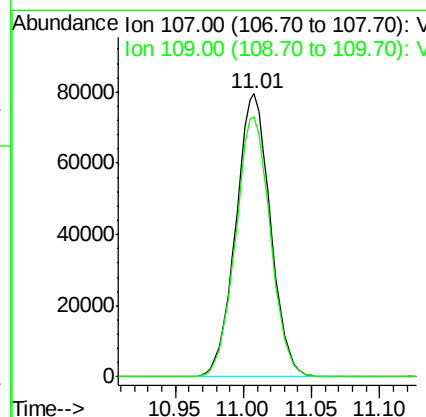
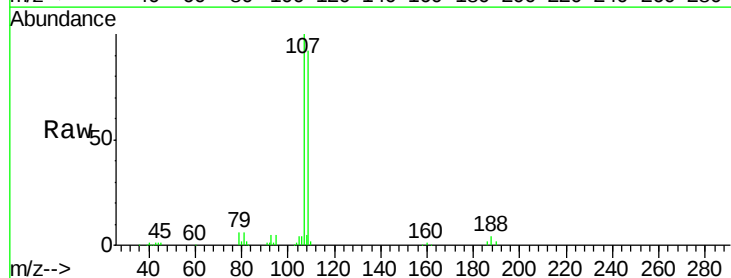
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

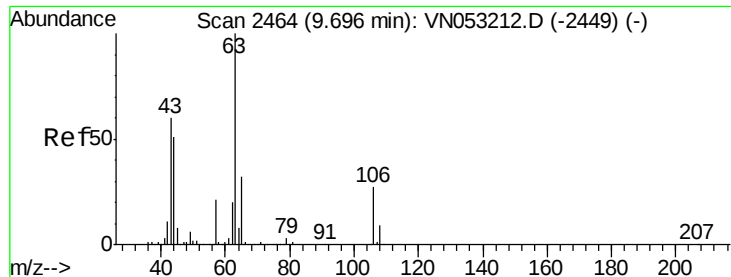
Tot Ion:129 Resp: 154148
 Ion Ratio Lower Upper
 129 100
 127 76.1 37.6 112.8



#54
 1,2-Dibromoethane
 Concen: 20.304 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion:107 Resp: 139688
 Ion Ratio Lower Upper
 107 100
 109 92.7 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 100.819 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

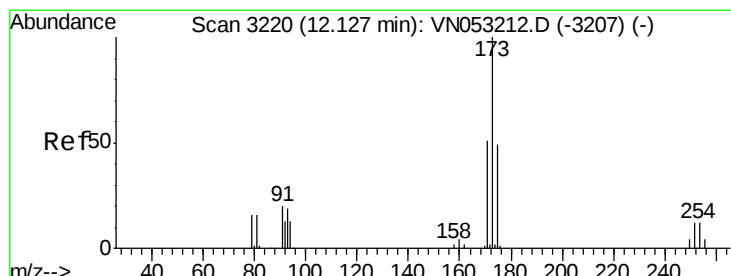
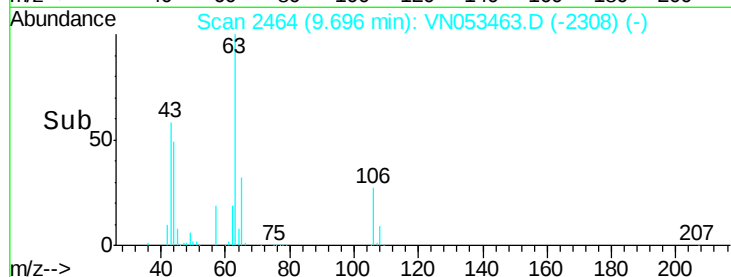
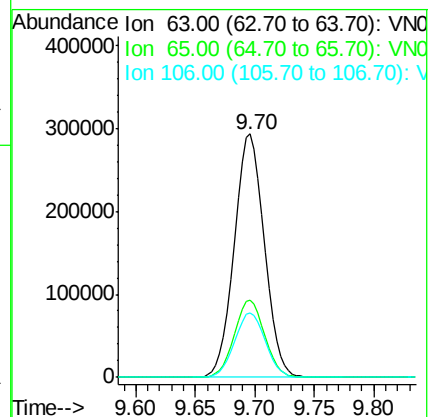
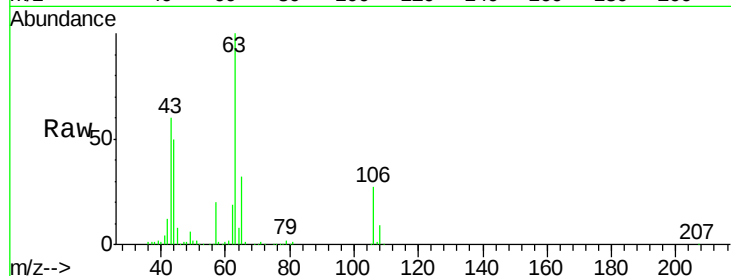
Tot Ion: 63 Resp: 514269

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.2

106 27.1 20.4 30.6



#56

Bromoform

Concen: 20.402 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

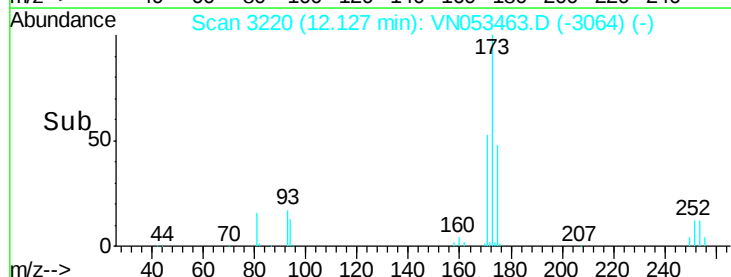
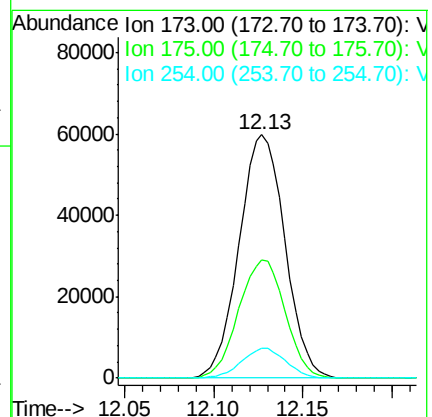
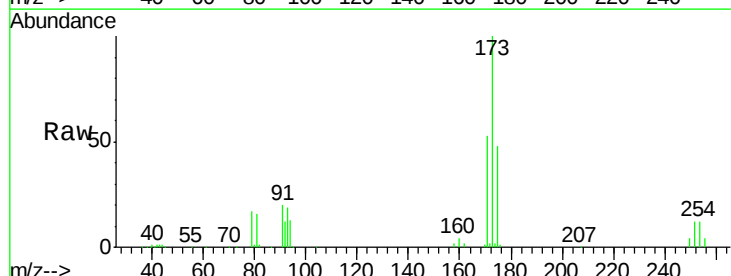
Tgt Ion: 173 Resp: 106902

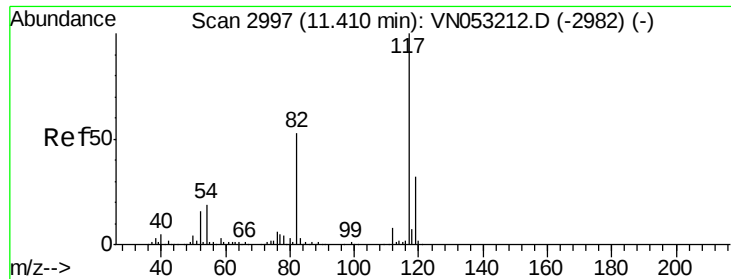
Ion Ratio Lower Upper

173 100

175 49.1 38.7 58.1

254 11.8 8.4 12.6

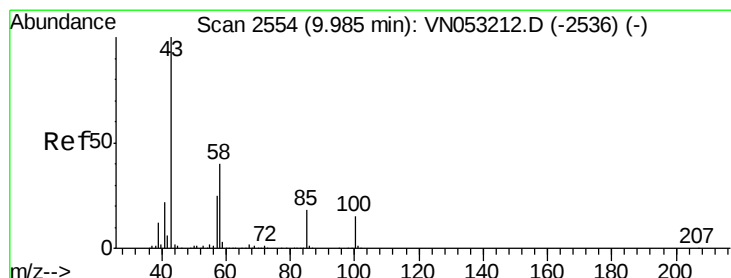
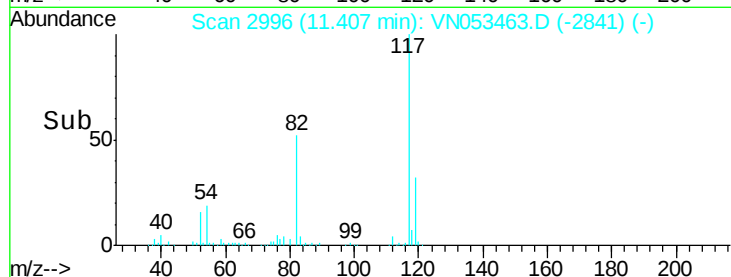
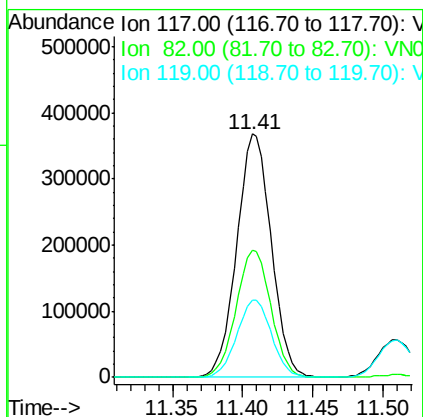
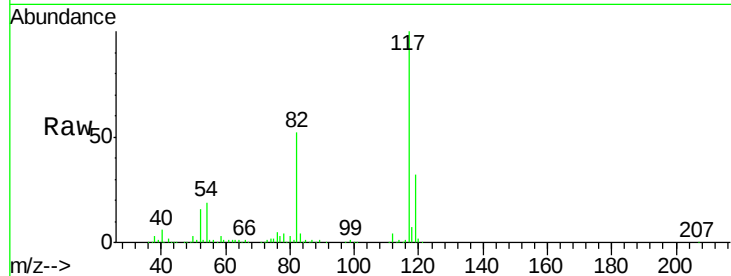




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

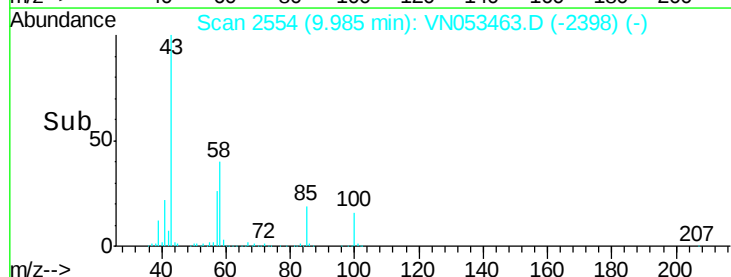
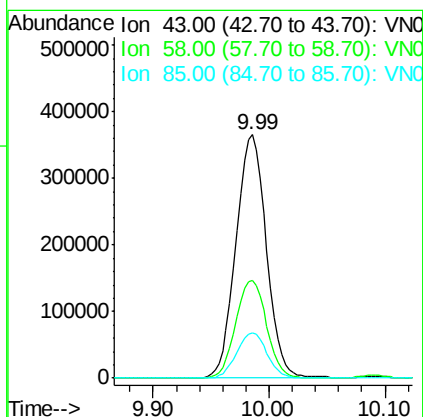
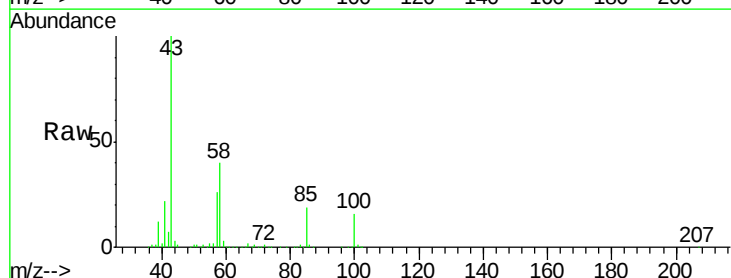
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

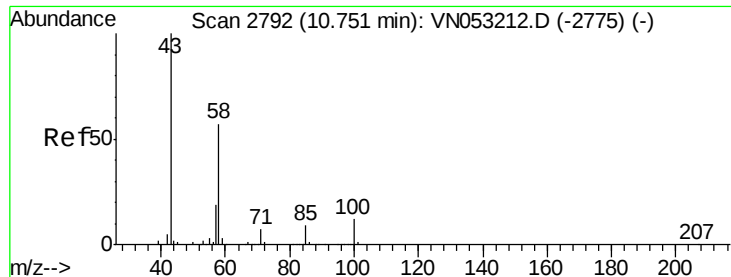
Tot Ion:117 Resp: 631189
Ion Ratio Lower Upper
117 100
82 52.8 44.2 66.2
119 32.0 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 110.393 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion: 43 Resp: 663969
Ion Ratio Lower Upper
43 100
58 41.0 31.6 47.4
85 18.7 13.3 19.9

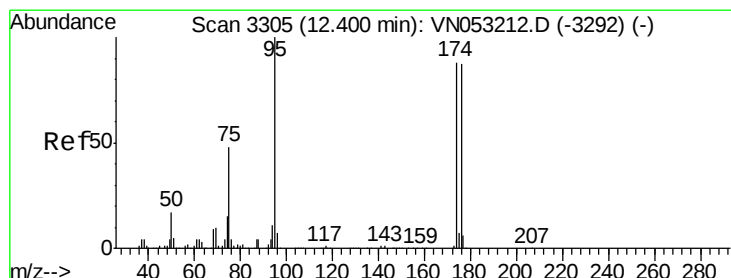
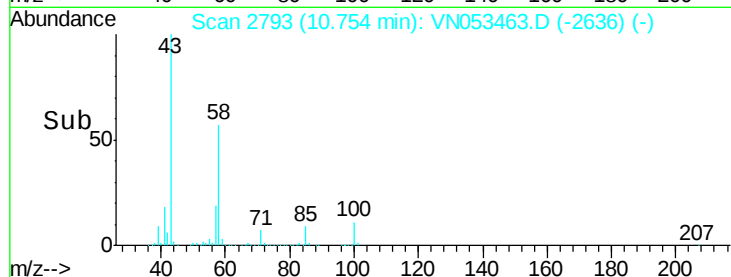
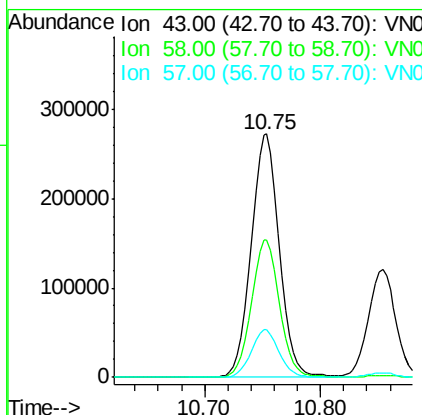
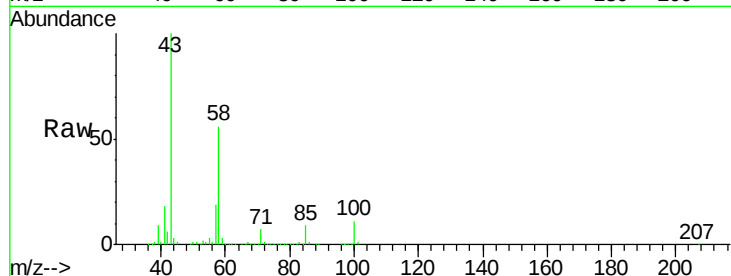




#59
2-Hexanone
Concen: 110.974 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

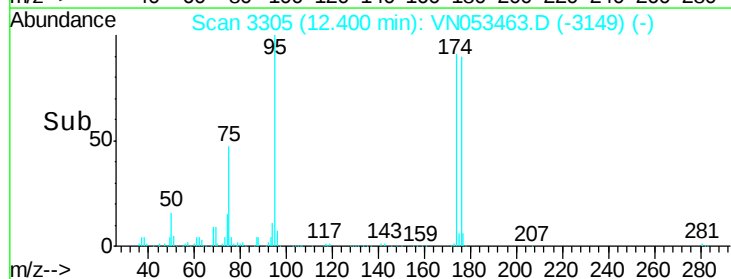
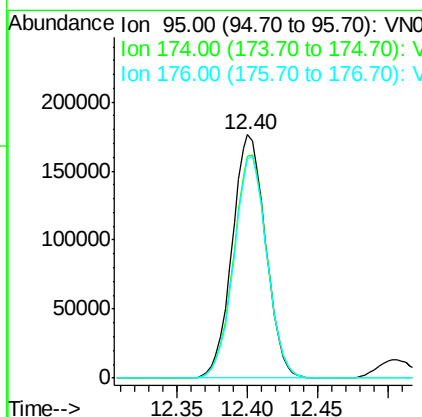
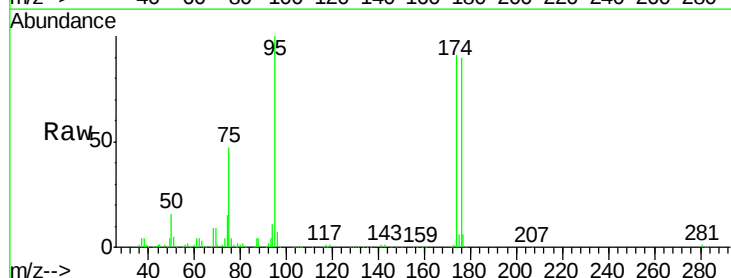
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

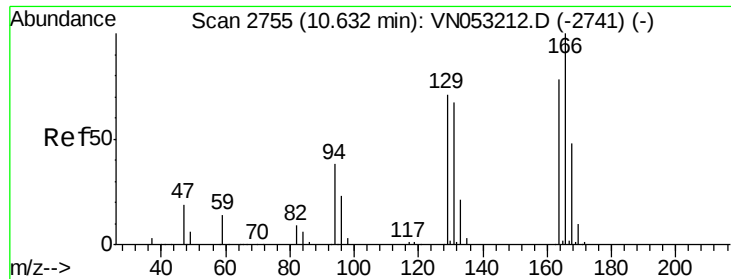
Tot Ion	Ratio	Lower	Upper
43	100		
58	56.4	43.2	64.8
57	19.5	14.9	22.3



#60
4-Bromofluorobenzene
Concen: 110.974 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	67.9	101.9
176	90.1	66.4	99.6





#61

Tetrachloroethene

Concen: 19.586 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

Tot Ion:164 Resp: 182689

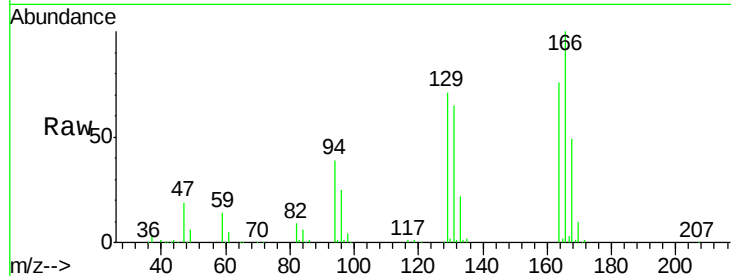
Ion Ratio Lower Upper

164 100

166 130.8 104.6 157.0

129 93.5 75.3 112.9

131 85.5 74.3 111.5

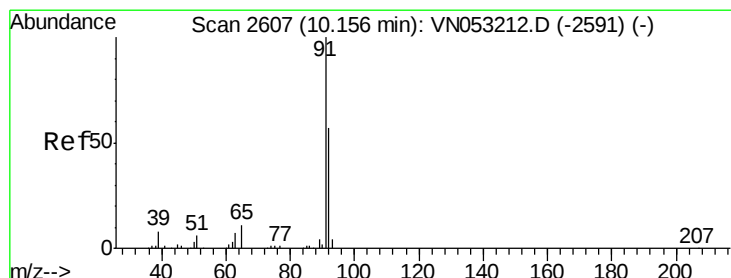
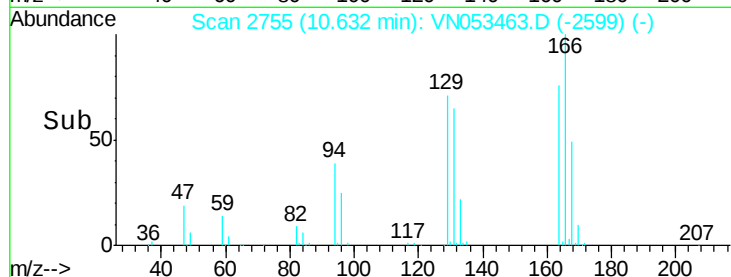
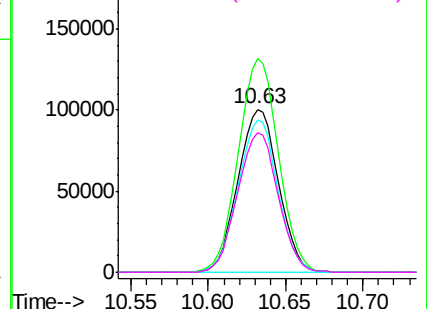


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.863 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053463.D

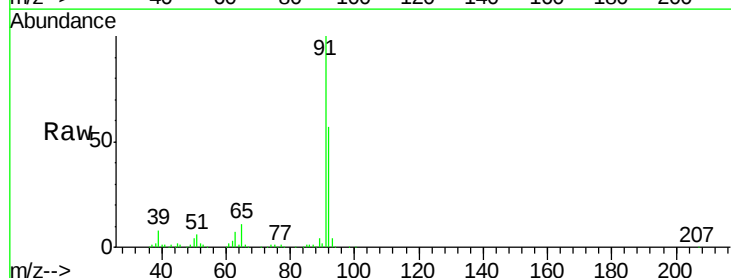
Acq: 18 Jan 2019 10:54

Tgt Ion: 91 Resp: 652967

Ion Ratio Lower Upper

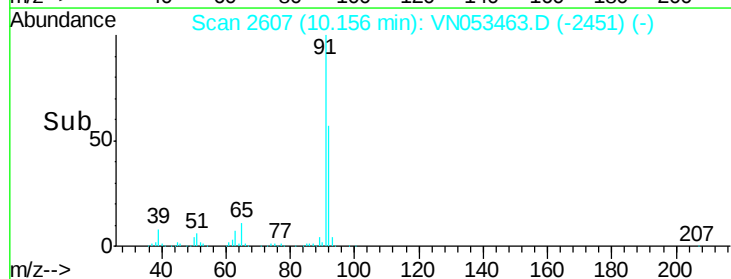
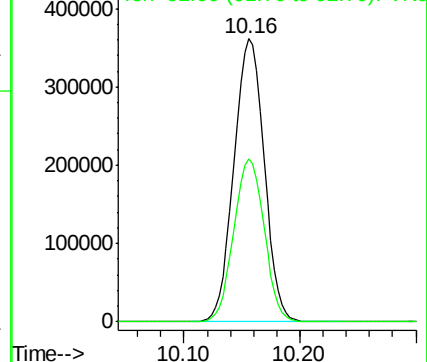
91 100

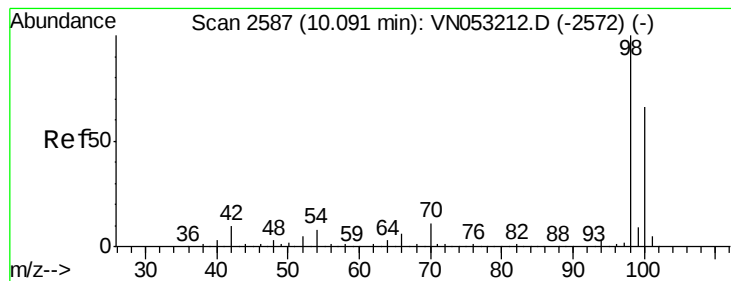
92 57.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 18.863 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

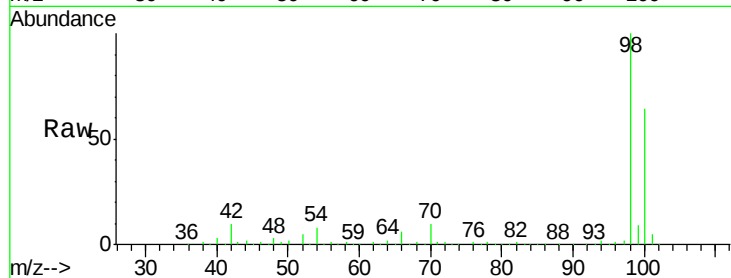
VN0118WBS01

Tot Ion: 98 Resp: 860684

Ion Ratio Lower Upper

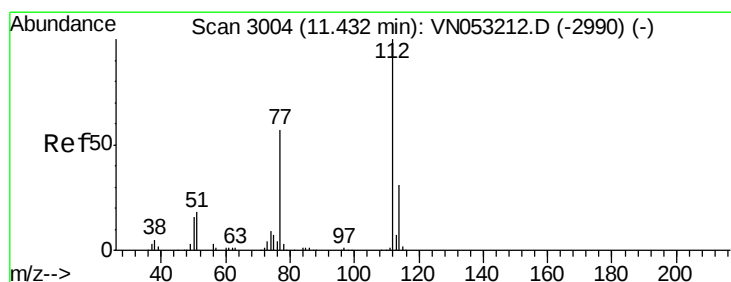
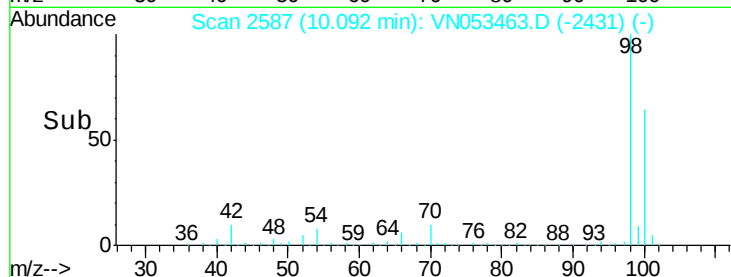
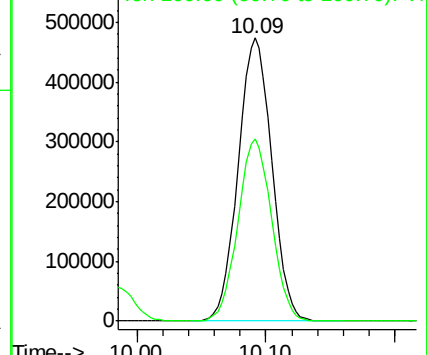
98 100

100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 19.122 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053463.D

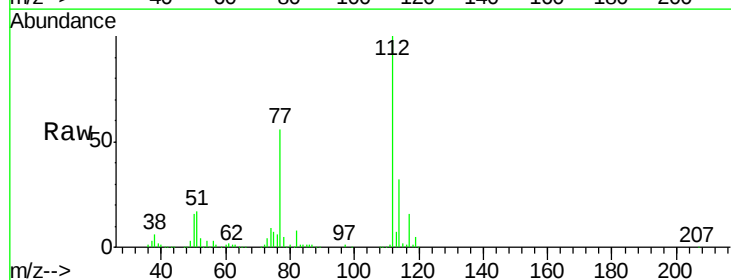
Acq: 18 Jan 2019 10:54

Tgt Ion: 112 Resp: 415369

Ion Ratio Lower Upper

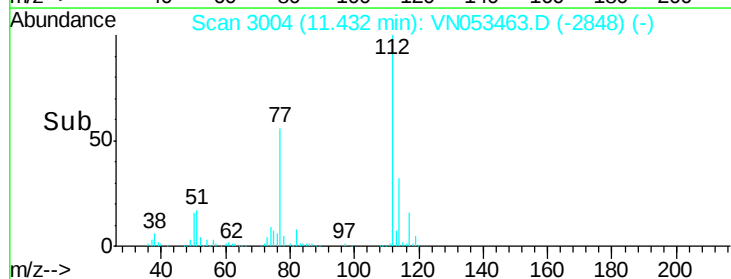
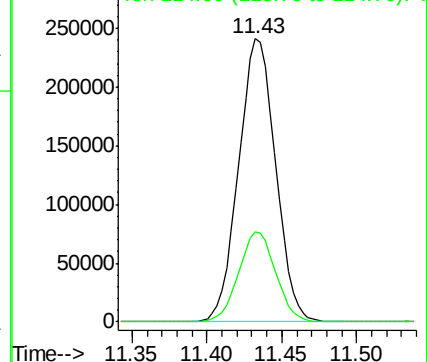
112 100

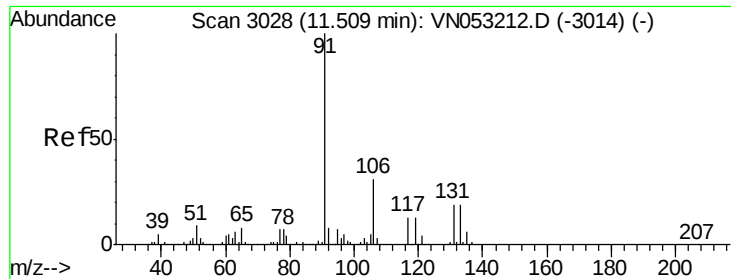
114 31.9 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 19.148 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

VN0118WBS01

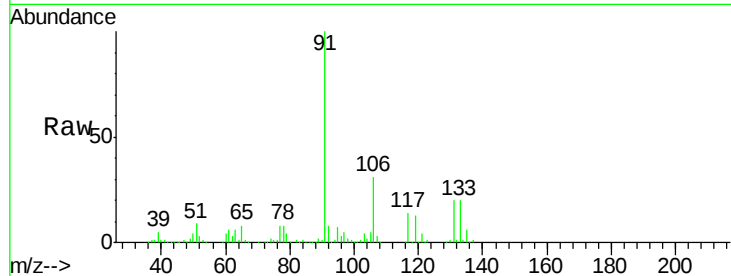
Tot Ion:131 Resp: 145907

Ion Ratio Lower Upper

131 100

133 97.7 0.0 193.4

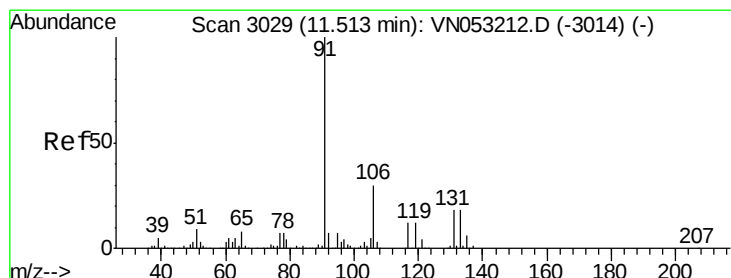
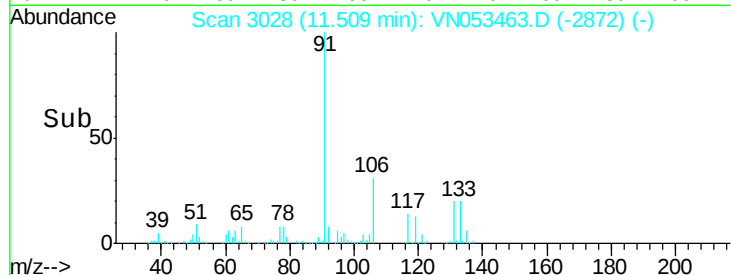
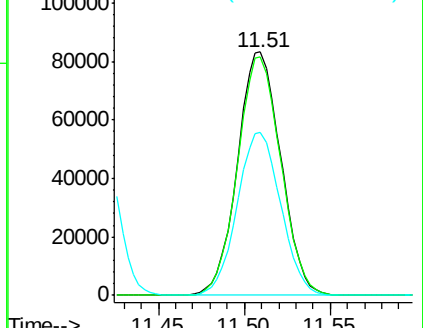
119 67.3 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.621 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053463.D

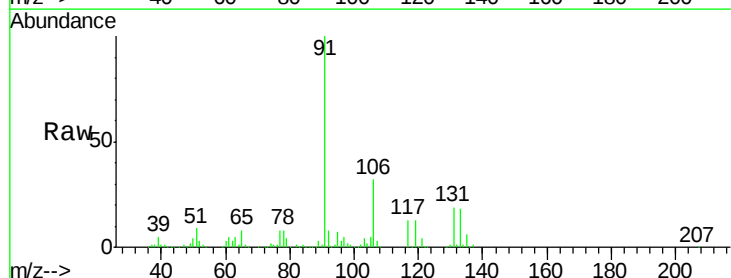
Acq: 18 Jan 2019 10:54

Tgt Ion: 91 Resp: 699030

Ion Ratio Lower Upper

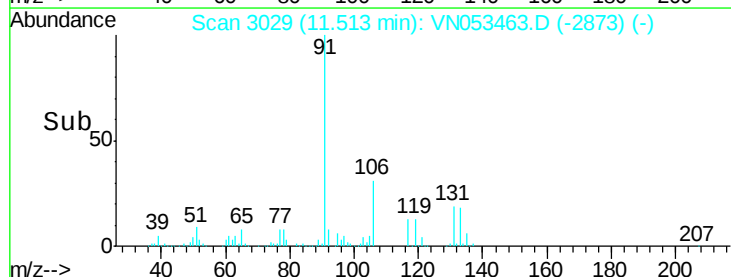
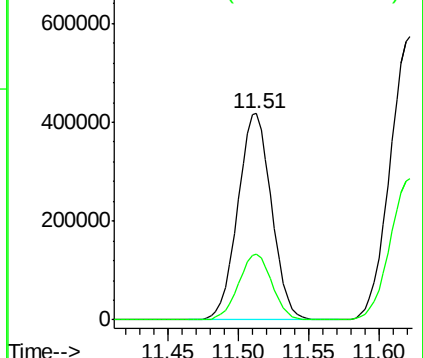
91 100

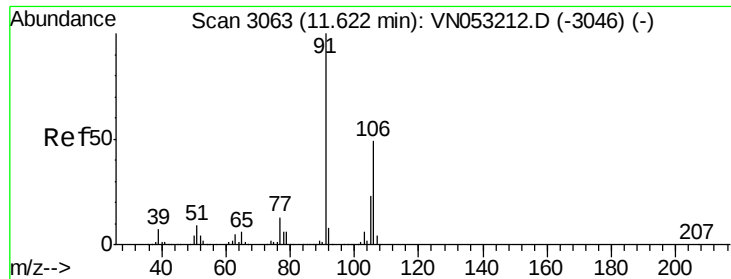
106 32.0 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

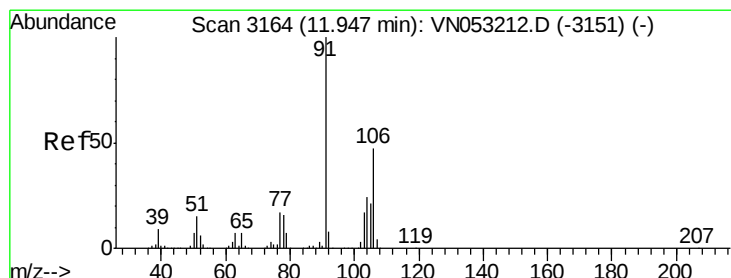
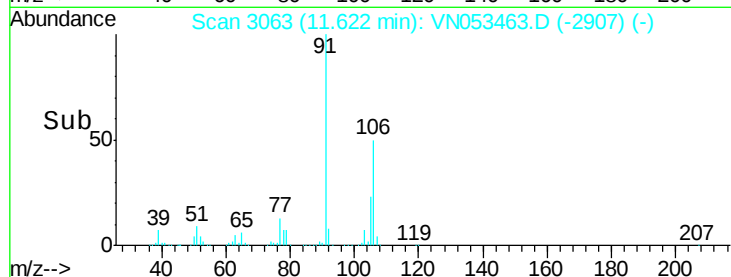
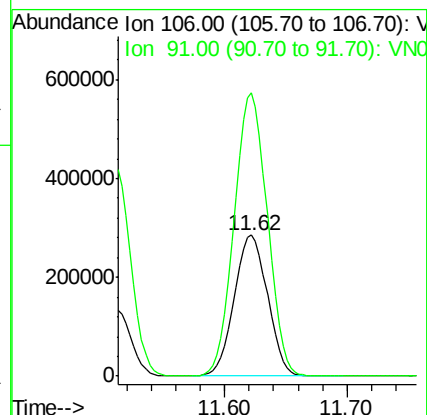
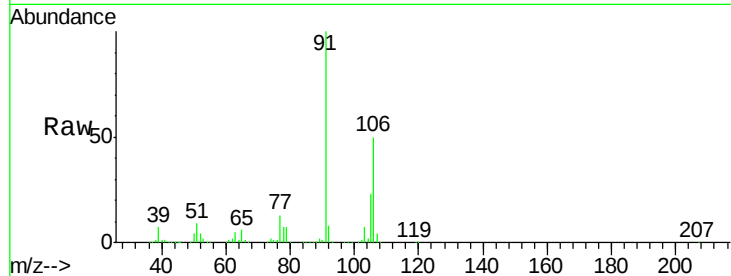




#67
m/p-Xylenes
Concen: 38.223 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

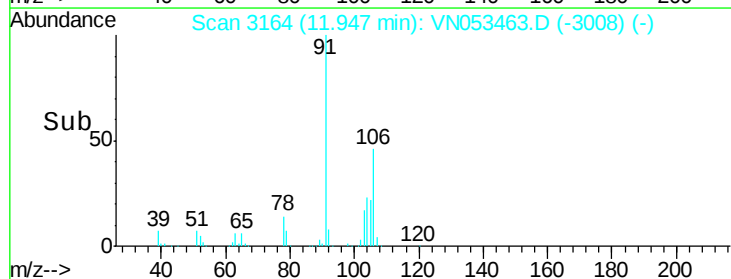
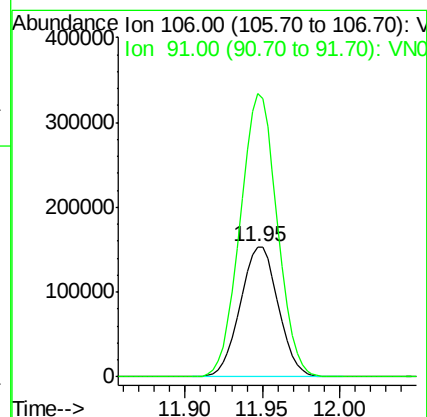
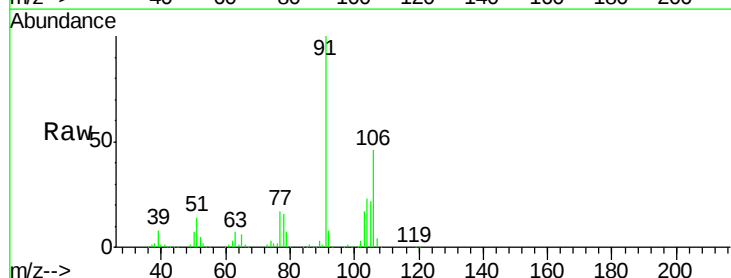
Instrument :
MSVOA_N
ClientSampled :
VN0118WBS01

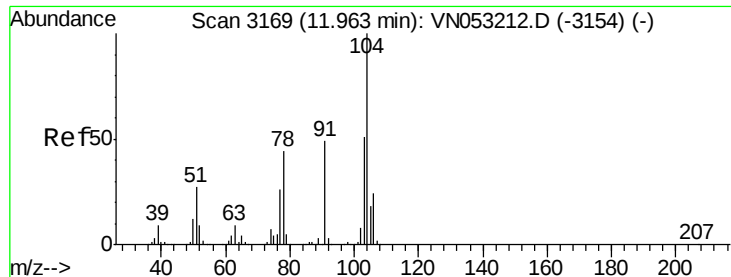
Tot Ion:106 Resp: 542667
Ion Ratio Lower Upper
106 100
91 198.9 163.9 245.9



#68
o-Xylene
Concen: 19.071 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion:106 Resp: 262373
Ion Ratio Lower Upper
106 100
91 212.0 107.8 323.4

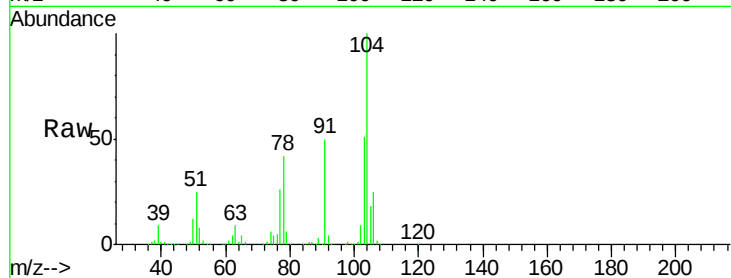




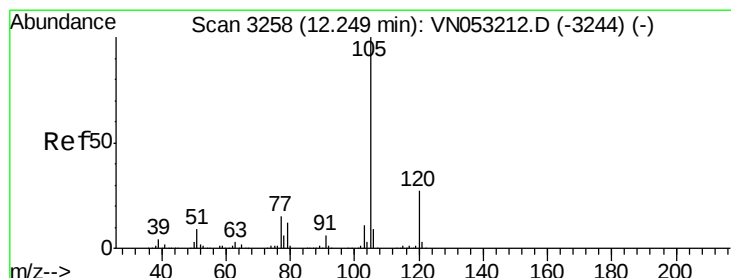
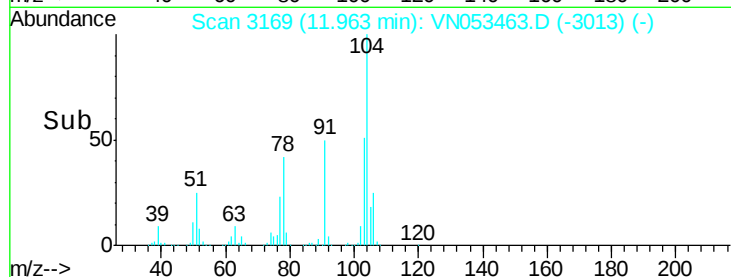
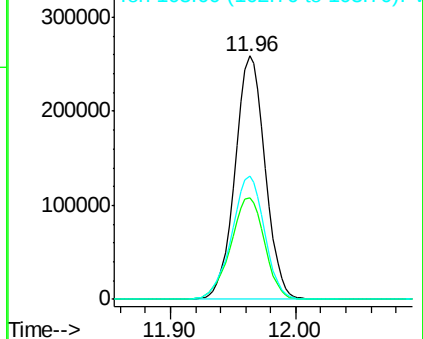
#69
Stvrene
Concen: 19.203 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampled :
VN0118WBS01

Tot Ion:104 Resp: 431243
Ion Ratio Lower Upper
104 100
78 47.1 39.3 58.9
103 55.2 44.6 66.8

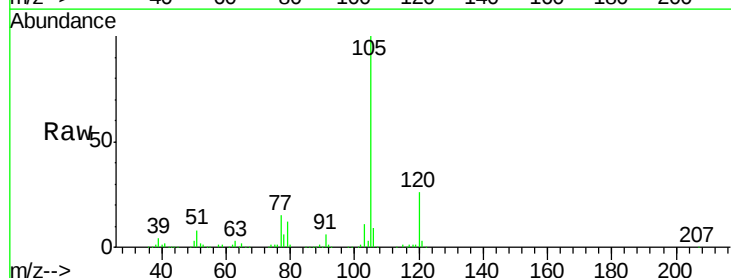


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

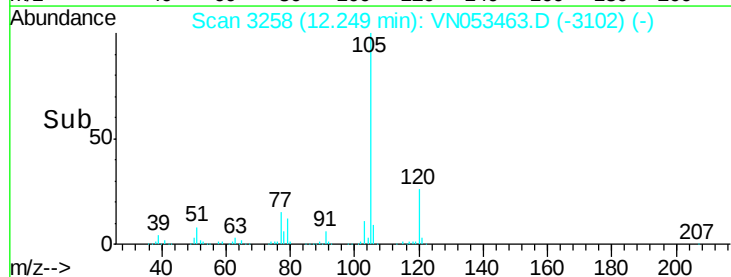
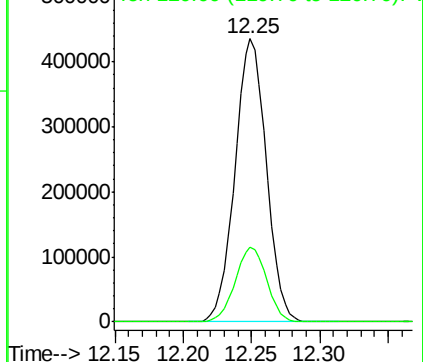


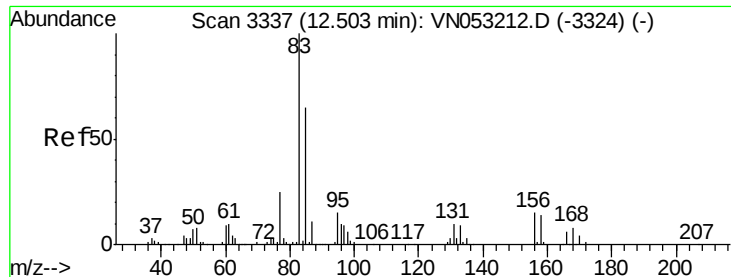
#70
Isopropylbenzene
Concen: 19.156 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion:105 Resp: 693418
Ion Ratio Lower Upper
105 100
120 26.5 18.6 34.6



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

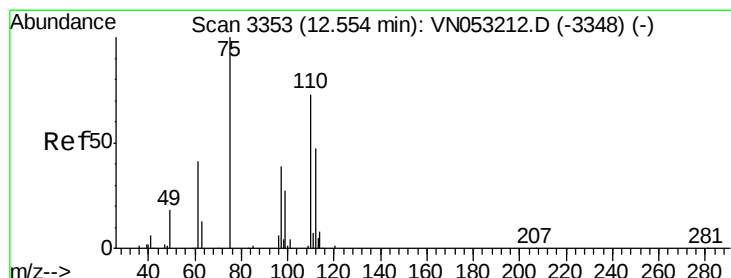
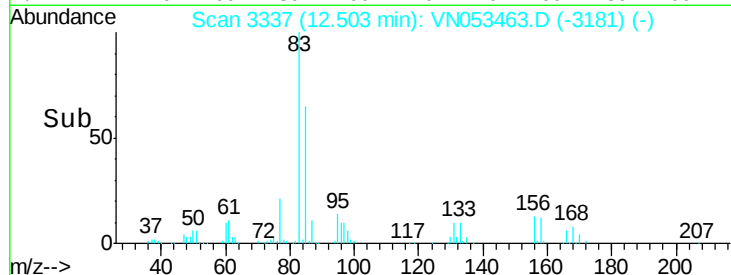
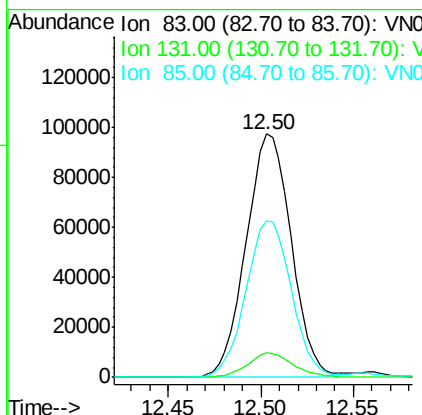
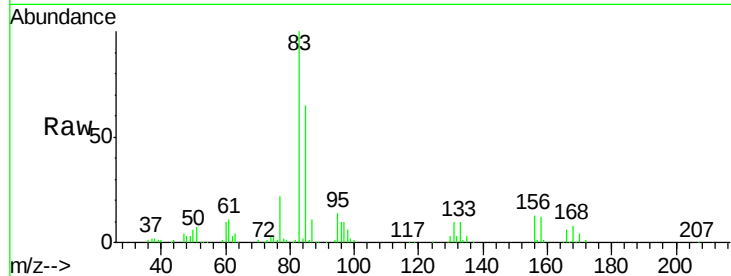




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.646 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

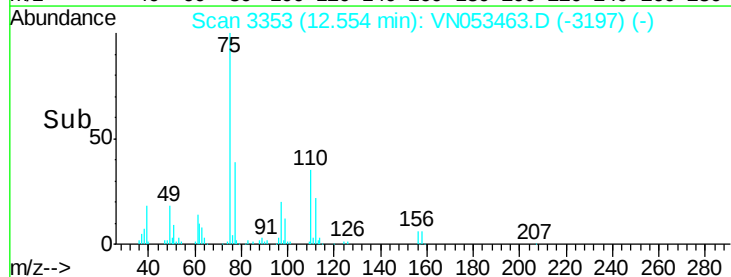
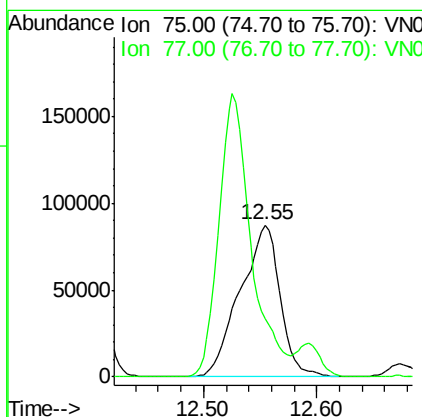
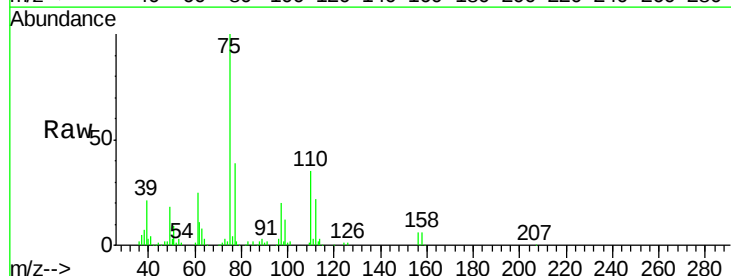
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

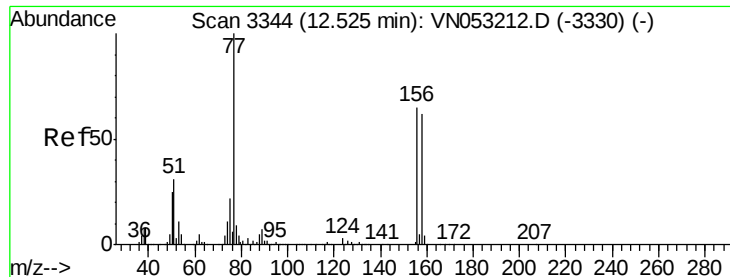
Tot Ion	83	Resp	164938
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	64.7	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 32.203 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion	75	Resp	214884
Ion Ratio	Lower	Upper	
75	100		
77	150.5	0.0	514.8





#73

Bromobenzene

Concen: 19.726 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

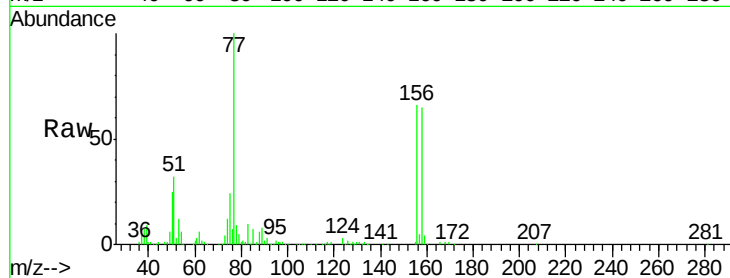
Tot Ion:156 Resp: 183543

Ion Ratio Lower Upper

156 100

77 176.2 0.0 382.6

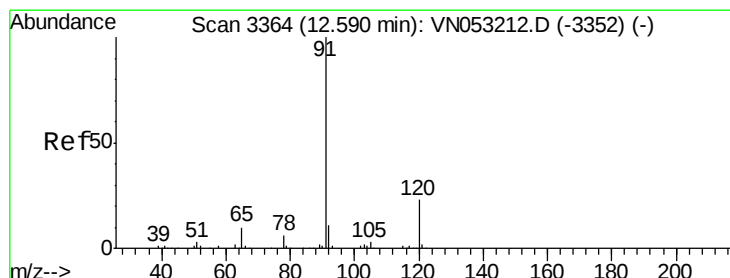
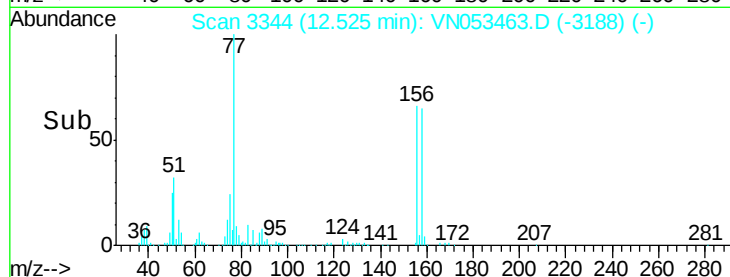
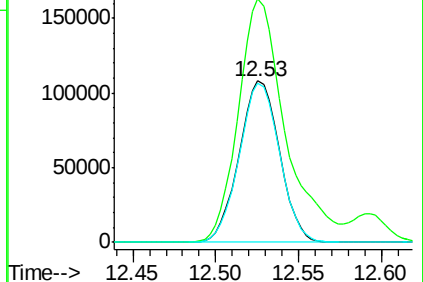
158 98.3 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.531 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053463.D

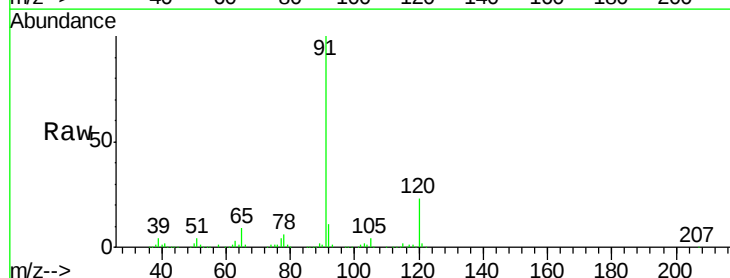
Acq: 18 Jan 2019 10:54

Tgt Ion: 91 Resp: 800311

Ion Ratio Lower Upper

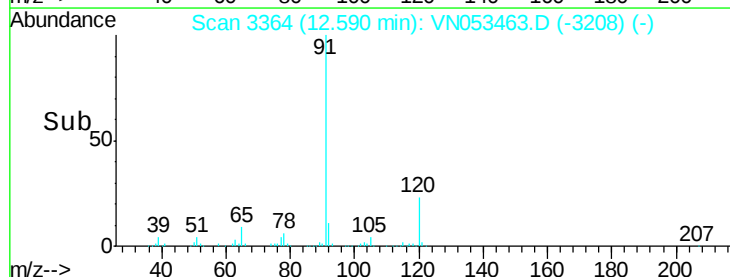
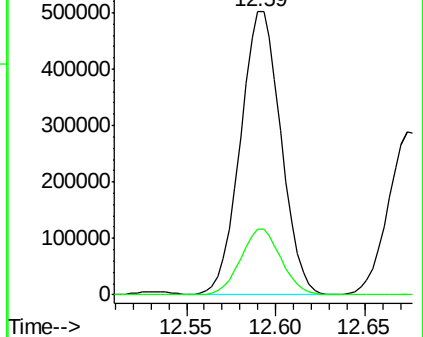
91 100

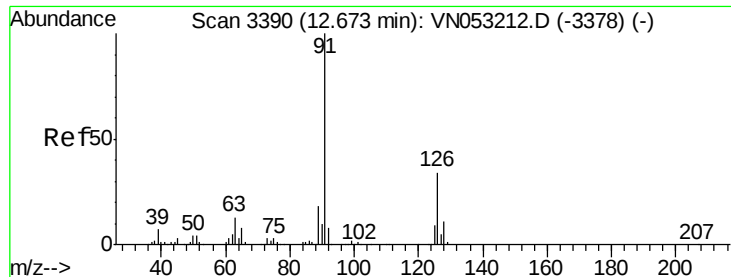
120 23.1 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.606 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

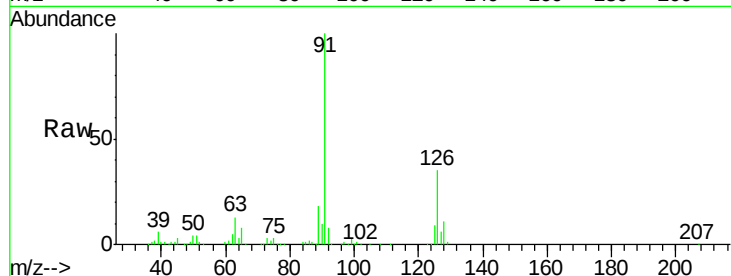
VN0118WBS01

Tot Ion: 91 Resp: 475795

Ion Ratio Lower Upper

91 100

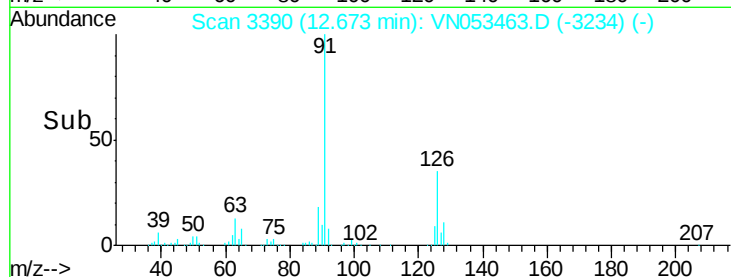
126 35.2 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN053212.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN053212.D (-3378) (-)

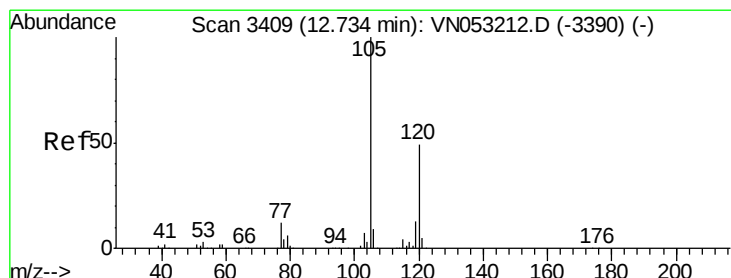
Time--> 12.60 12.65 12.70



Abundance Ion 91.00 (90.70 to 91.70): VN053463.D (-3234) (-)

Ion 126.00 (125.70 to 126.70): VN053463.D (-3234) (-)

Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 19.821 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053463.D

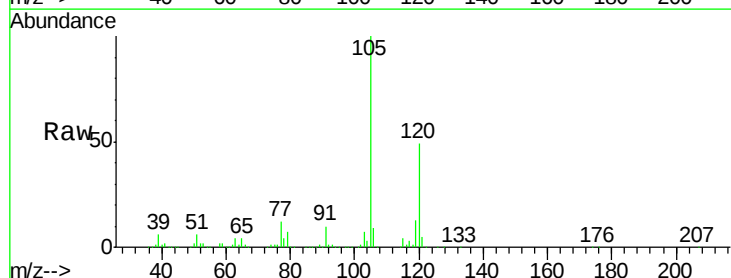
Acq: 18 Jan 2019 10:54

Tgt Ion: 105 Resp: 569149

Ion Ratio Lower Upper

105 100

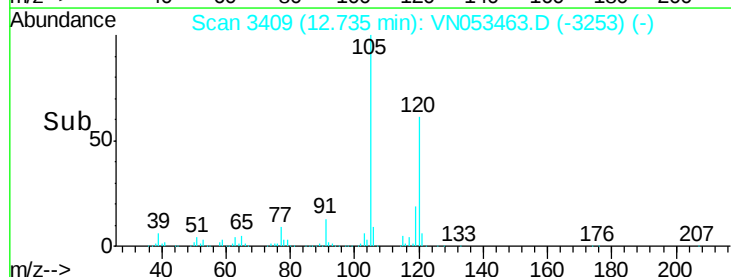
120 49.2 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN053212.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN053212.D (-3390) (-)

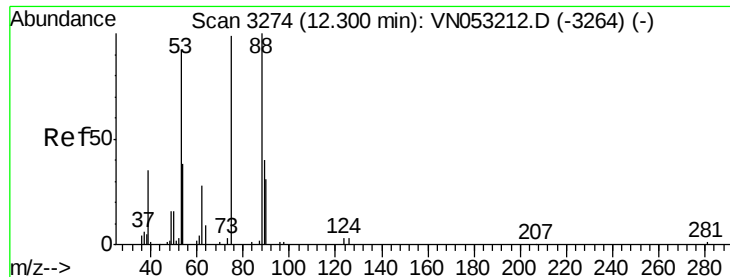
Time--> 12.65 12.70 12.75 12.80



Abundance Ion 105.00 (104.70 to 105.70): VN053463.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN053463.D (-3253) (-)

Time--> 12.65 12.70 12.75 12.80



#77

t-1,4-Dichloro-2-butene

Concen: 19.334 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

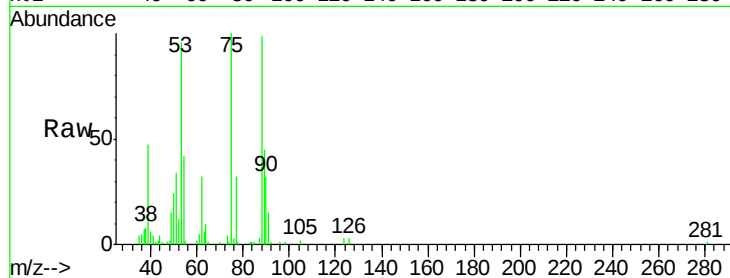
Tot Ion: 75 Resp: 45329

Ion Ratio Lower Upper

75 100

53 95.6 48.5 145.6

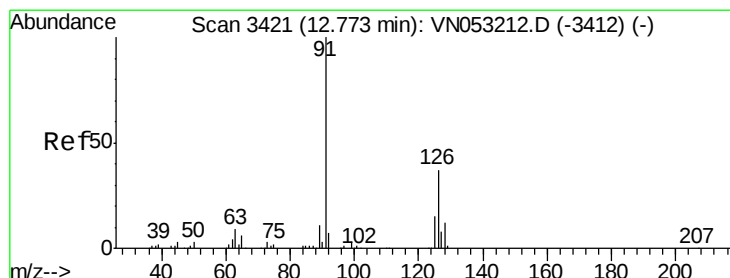
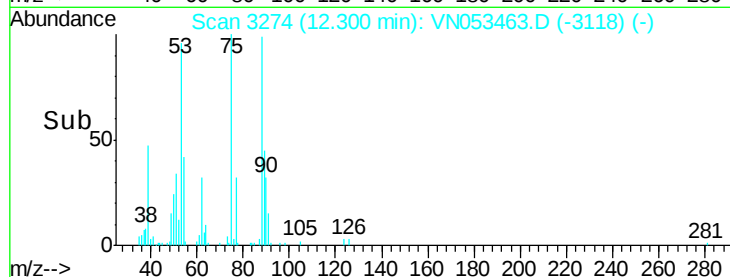
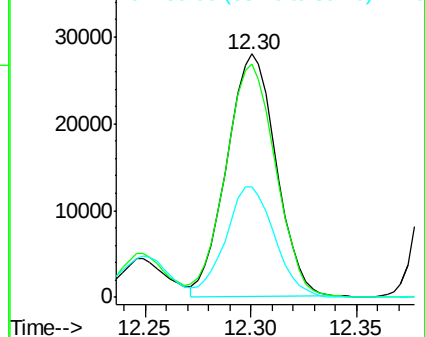
89 45.7 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.297 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053463.D

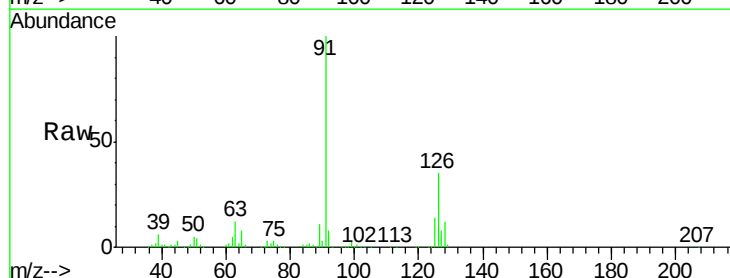
Acq: 18 Jan 2019 10:54

Tgt Ion: 91 Resp: 476693

Ion Ratio Lower Upper

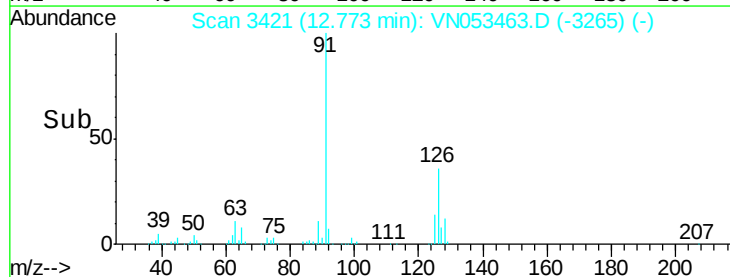
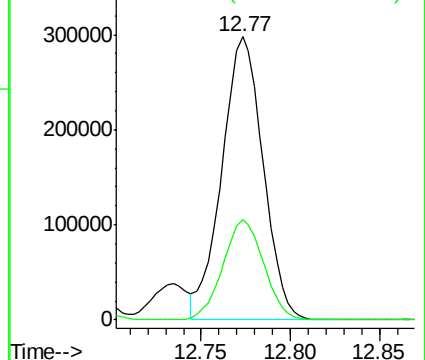
91 100

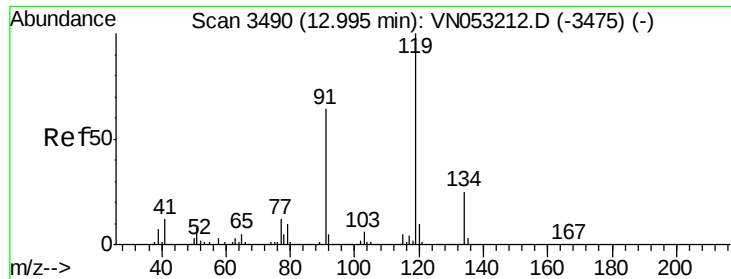
126 35.0 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

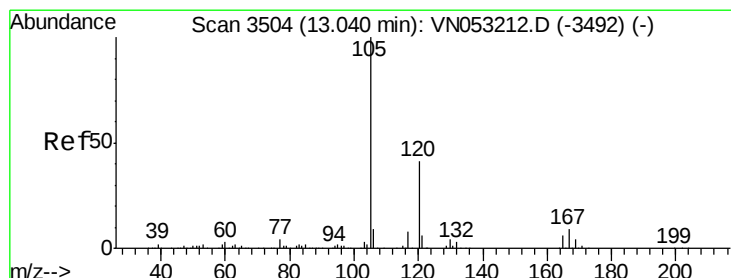
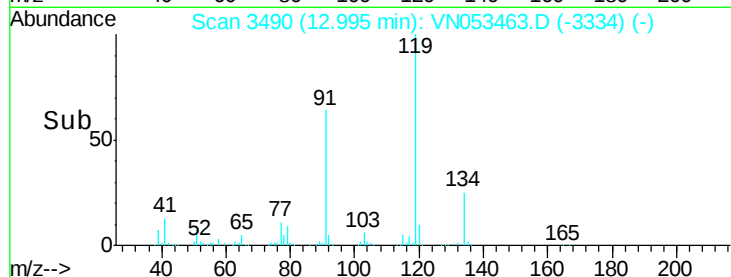
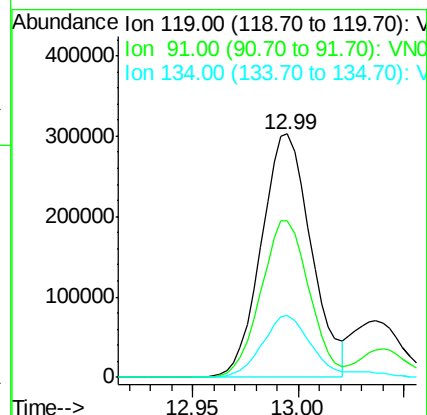
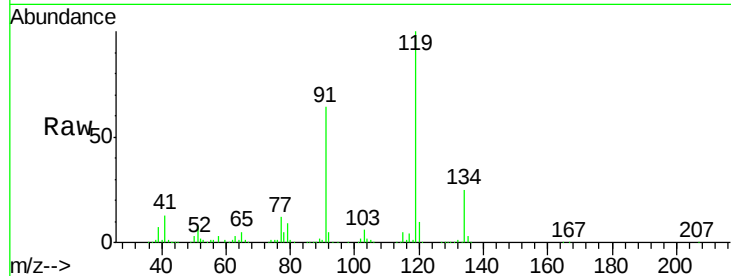




#79
tert-butylbenzene
Concen: 19.892 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

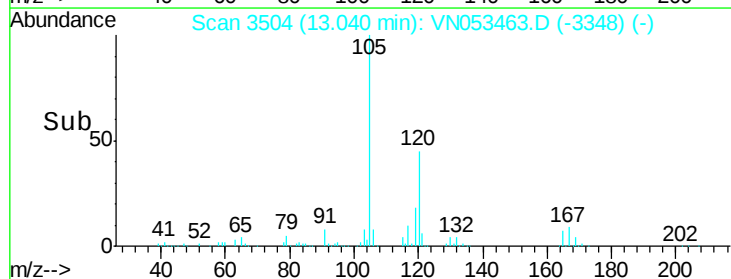
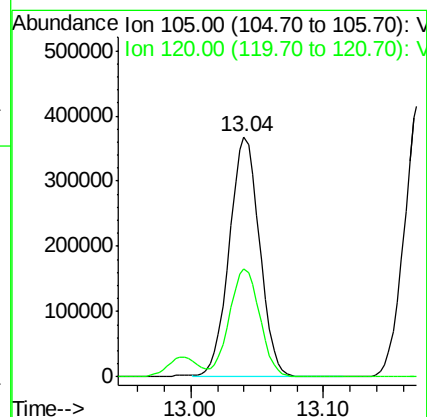
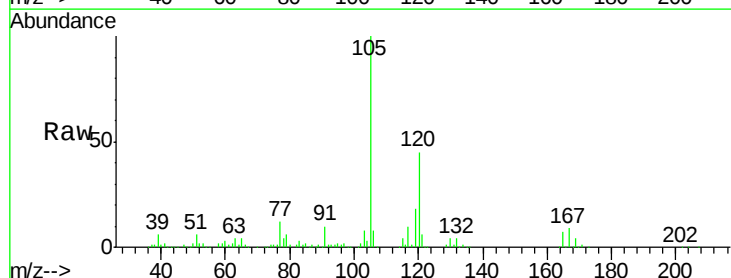
Instrument :
MSVOA_N
ClientSampled :
VN0118WBS01

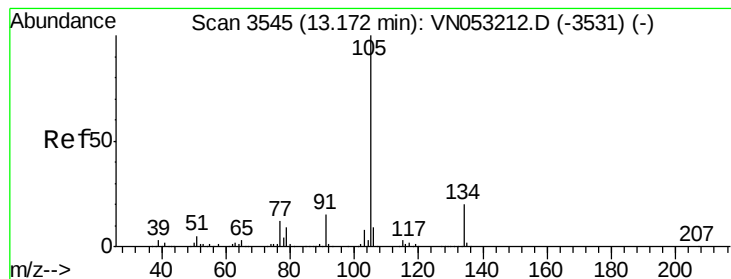
Tot Ion:119 Resp: 498132
Ion Ratio Lower Upper
119 100
91 62.4 0.0 129.8
134 26.2 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 20.284 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion:105 Resp: 583760
Ion Ratio Lower Upper
105 100
120 45.4 0.0 91.0





#81

sec-Butylbenzene

Concen: 20.651 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

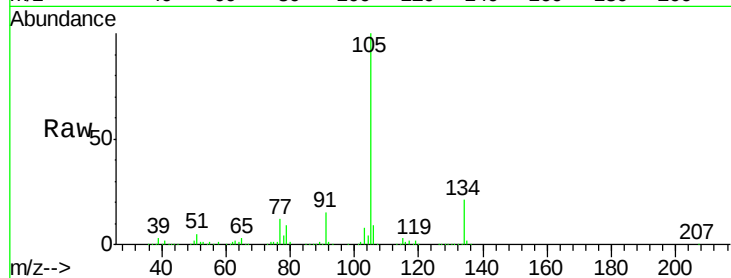
VN0118WBS01

Tot Ion:105 Resp: 684818

Ion Ratio Lower Upper

105 100

134 20.5 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

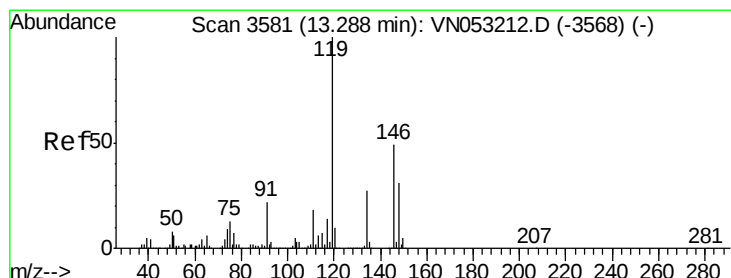
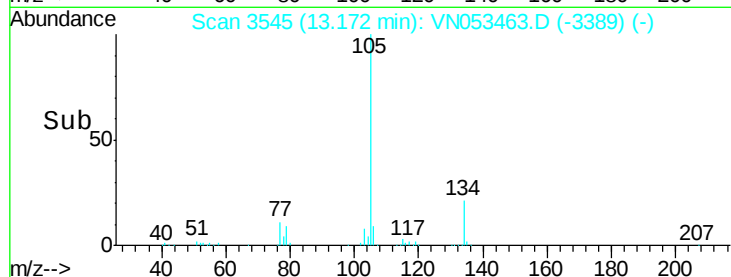
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#82

p-Isopropyltoluene

Concen: 20.637 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

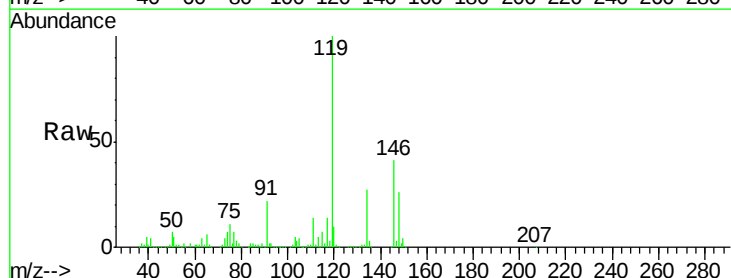
Tgt Ion:119 Resp: 591352

Ion Ratio Lower Upper

119 100

134 26.5 0.0 52.6

91 22.1 0.0 46.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

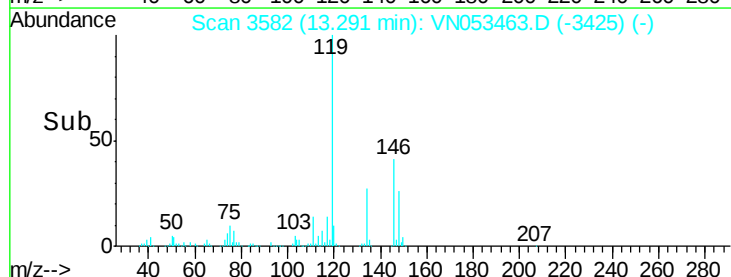
300000

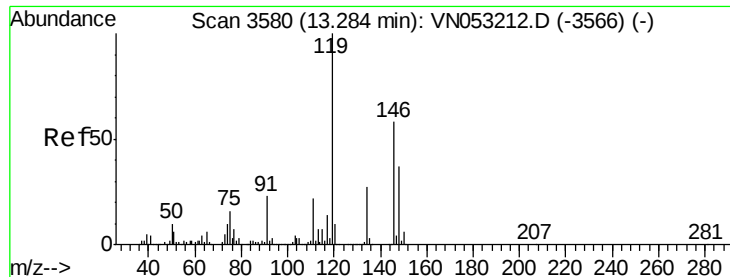
200000

100000

0

Time--> 13.20 13.25 13.30 13.35





#83

1,3-Dichlorobenzene

Concen: 20.356 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

VN0118WBS01

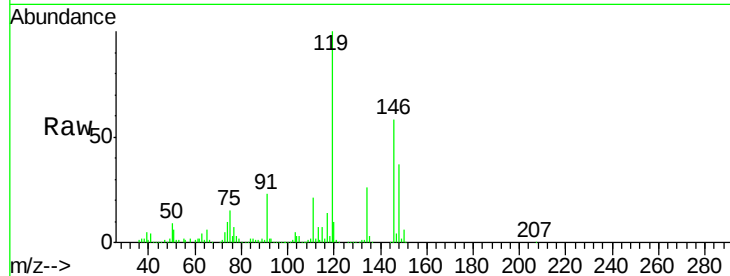
Tot Ion:146 Resp: 322501

Ion Ratio Lower Upper

146 100

111 36.8 19.7 59.0

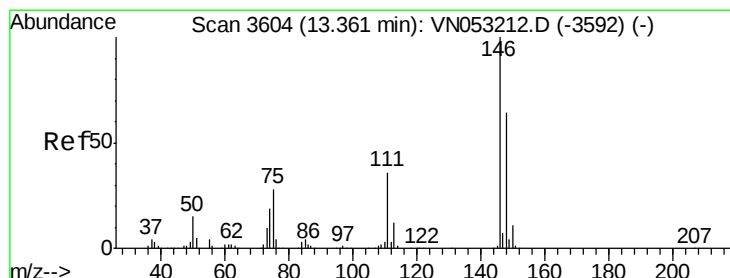
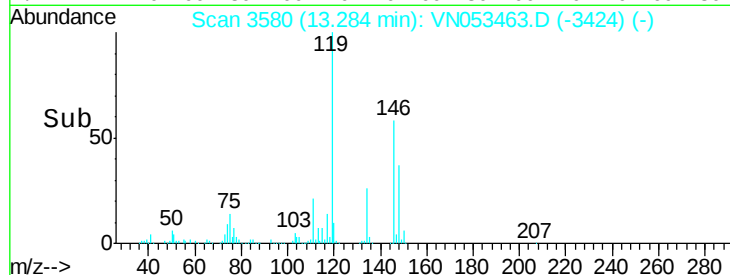
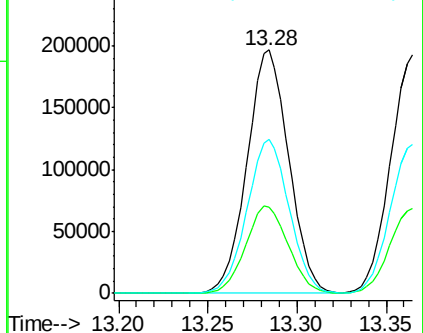
148 63.7 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 20.350 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

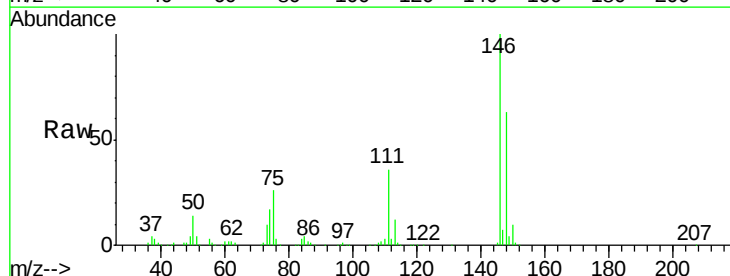
Tgt Ion:146 Resp: 314264

Ion Ratio Lower Upper

146 100

111 35.8 18.8 56.3

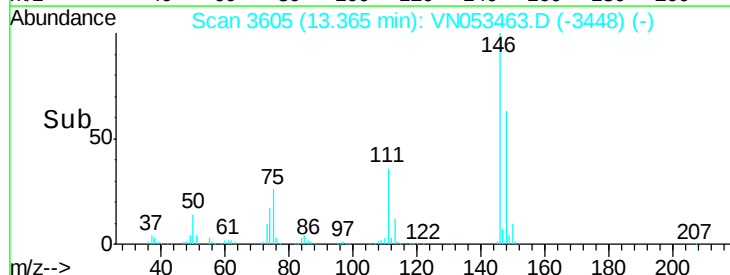
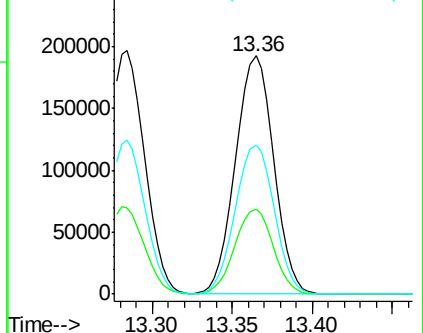
148 63.7 32.5 97.4

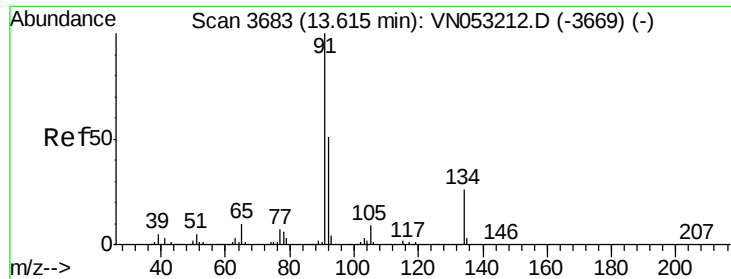


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

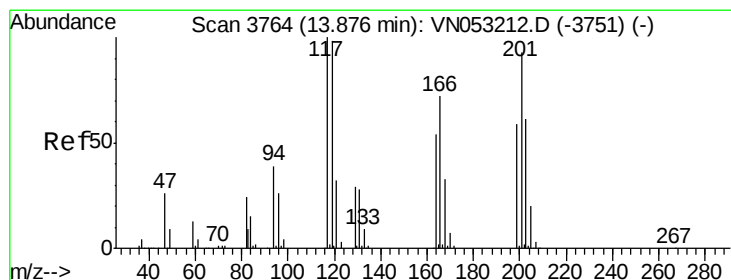
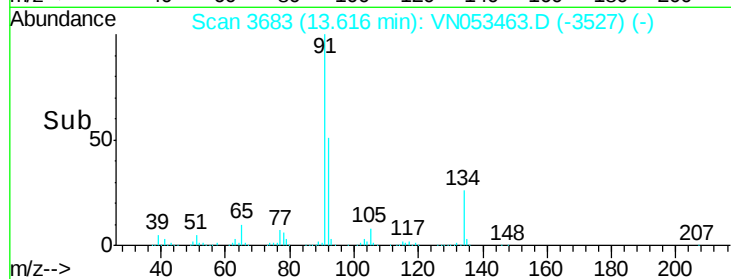
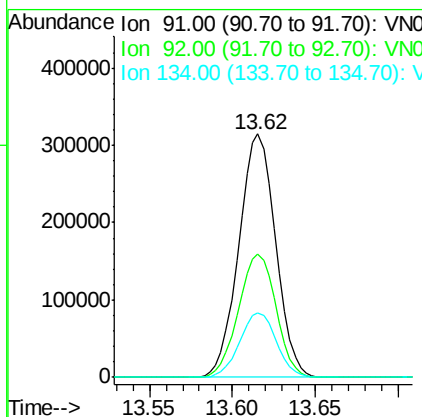
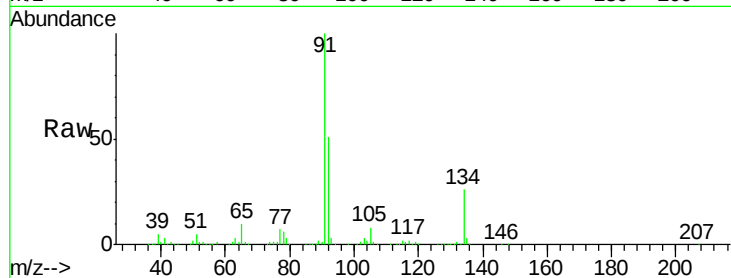




#85
n-Butylbenzene
Concen: 20.822 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

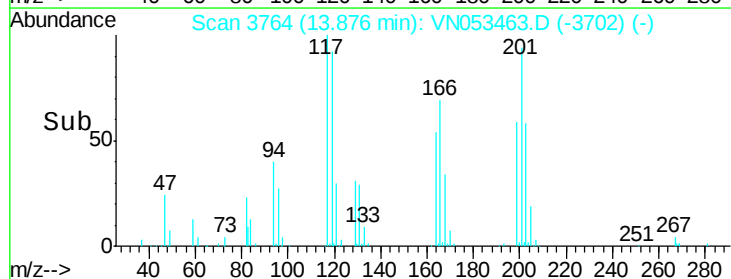
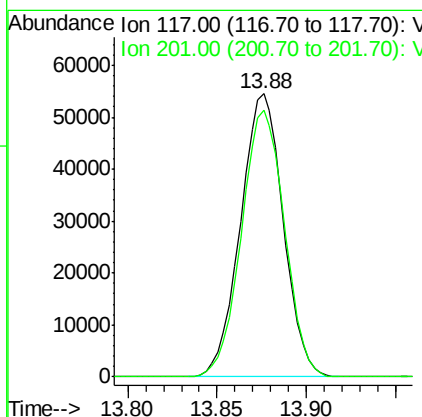
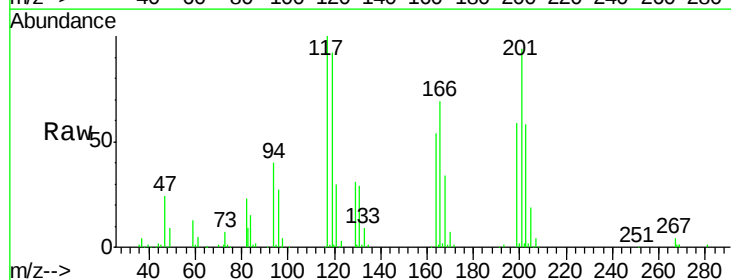
Instrument :
MSVOA_N
ClientSampled :
VN0118WBS01

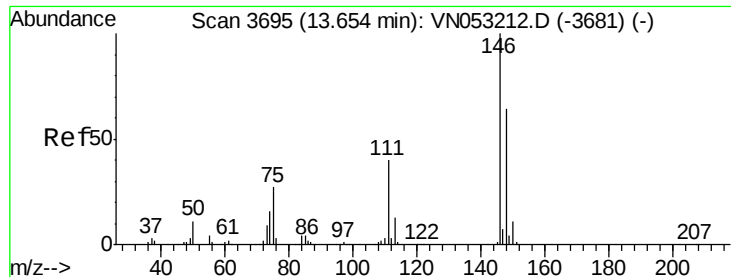
Tot Ion: 91 Resp: 485203
Ion Ratio Lower Upper
91 100
92 51.6 0.0 104.2
134 26.5 0.0 50.6



#86
Hexachloroethane
Concen: 19.944 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion: 117 Resp: 91245
Ion Ratio Lower Upper
117 100
201 94.7 43.8 131.3

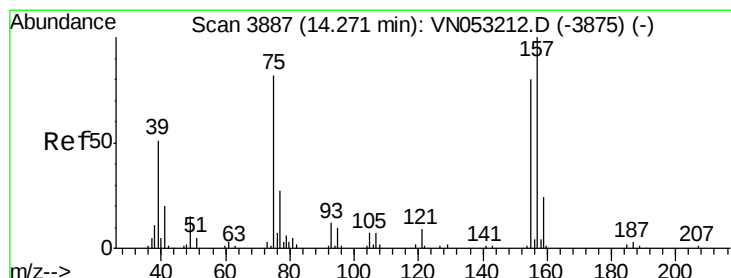
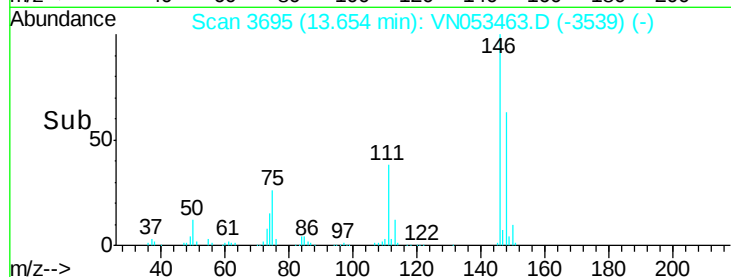
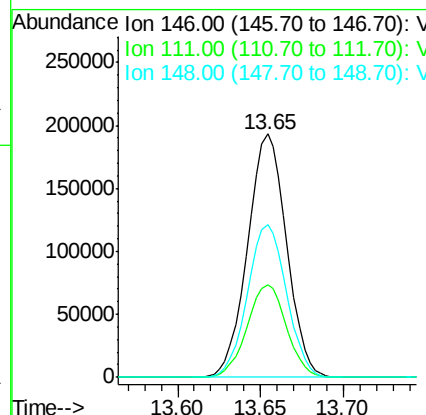
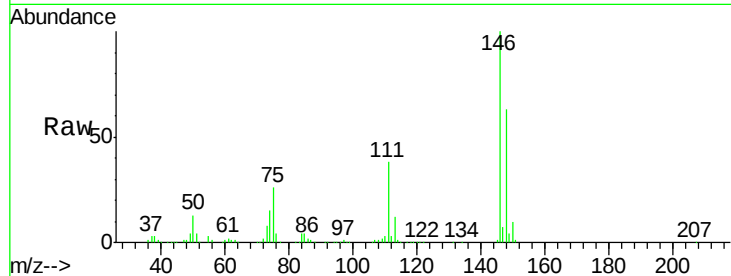




#87
 1,2-Dichlorobenzene
 Concen: 21.418 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

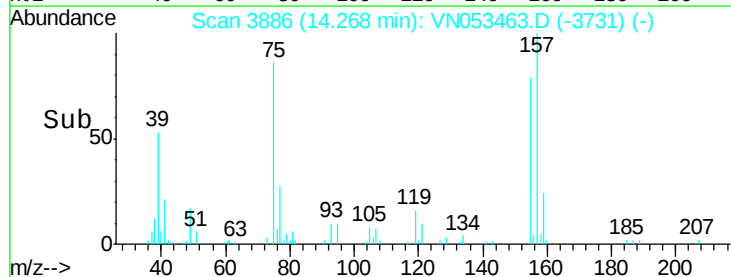
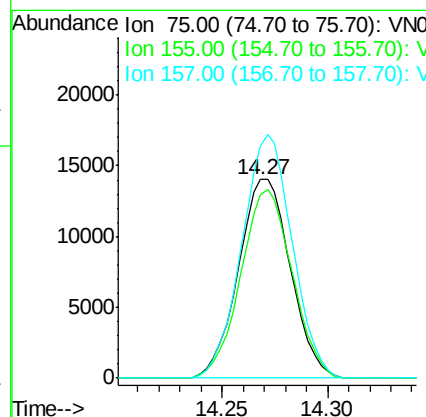
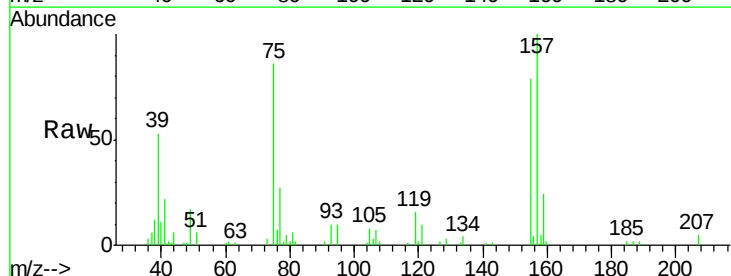
Instrument :
 MSVOA_N
 ClientSampled :
 VN0118WBS01

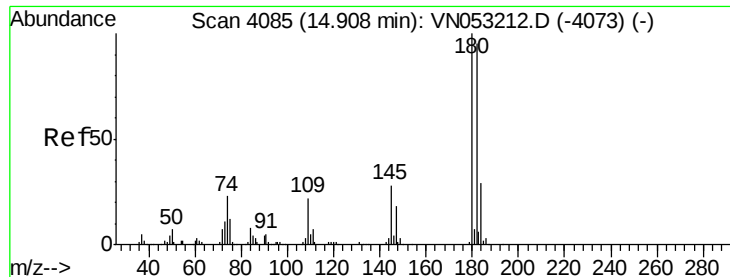
Tot Ion:146 Resp: 315292
 Ion Ratio Lower Upper
 146 100
 111 38.4 20.3 60.8
 148 63.3 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.057 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion: 75 Resp: 24036
 Ion Ratio Lower Upper
 75 100
 155 93.7 72.2 108.2
 157 118.9 94.2 141.2

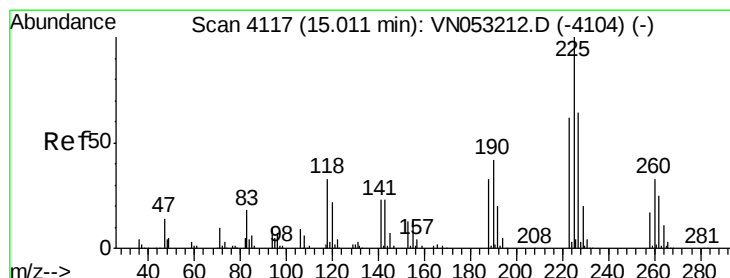
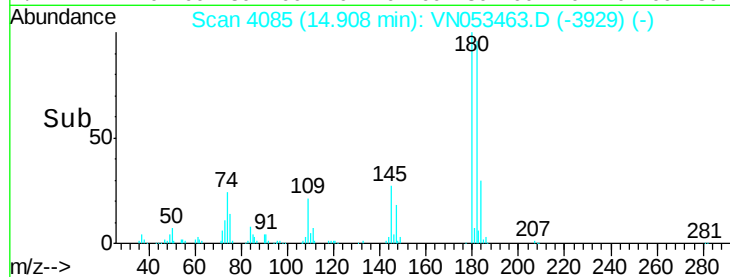
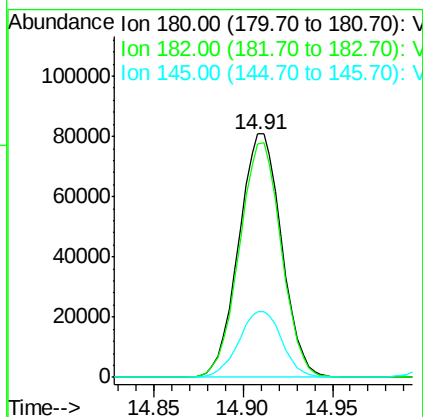
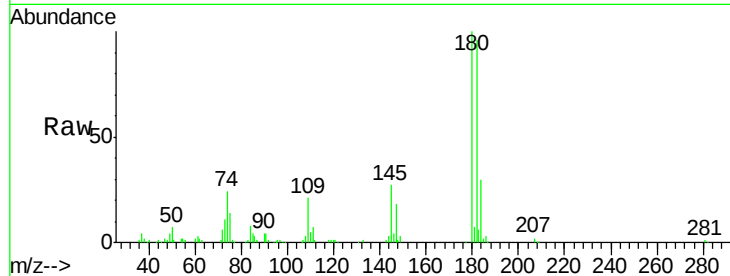




#89
 1,2,4-Trichlorobenzene
 Concen: 18.876 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

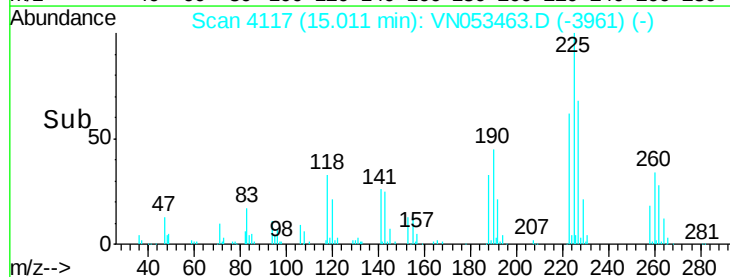
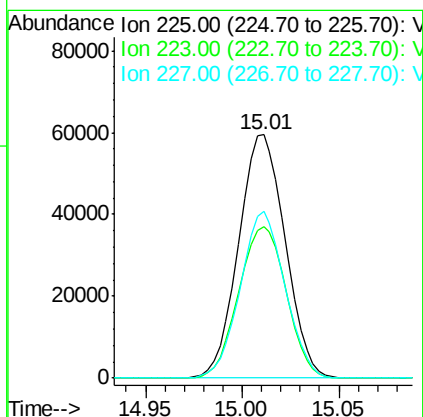
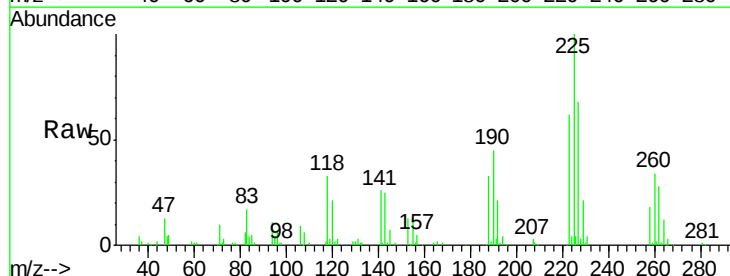
Instrument :
 MSVOA_N
 ClientSampled :
 VN0118WBS01

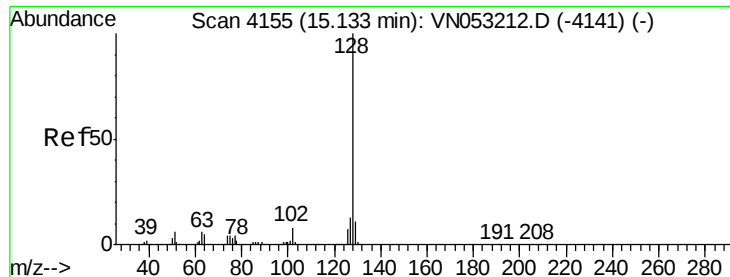
Tot Ion:180 Resp: 134870
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.6 114.8
 145 27.3 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 23.016 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion:225 Resp: 99542
 Ion Ratio Lower Upper
 225 100
 223 63.6 0.0 125.6
 227 65.9 0.0 127.8





#91

Naphthalene

Concen: 15.582 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

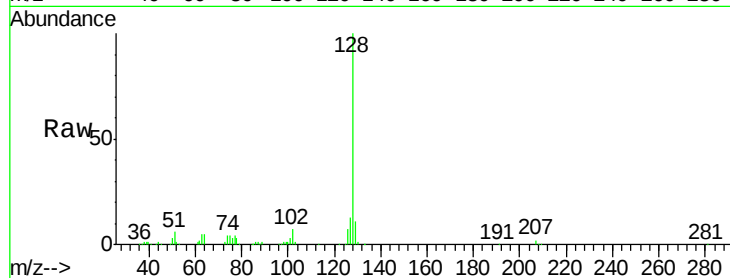
Tot Ion:128 Resp: 236222

Ion Ratio Lower Upper

128 100

127 12.6 9.9 14.9

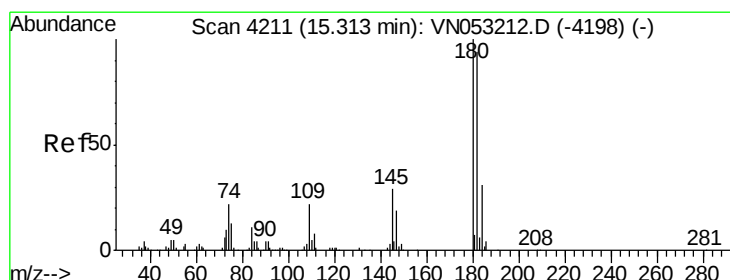
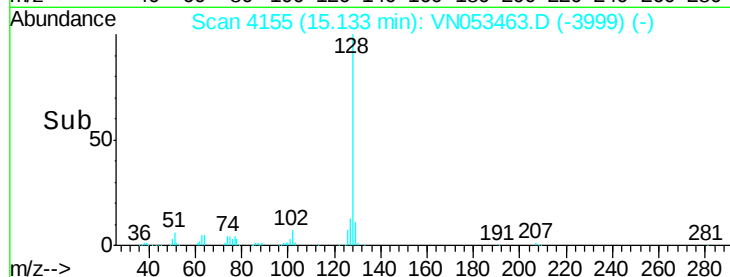
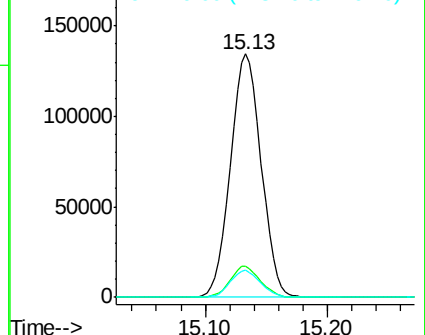
129 10.9 8.5 12.7



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



#92

1,2,3-Trichlorobenzene

Concen: 15.926 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

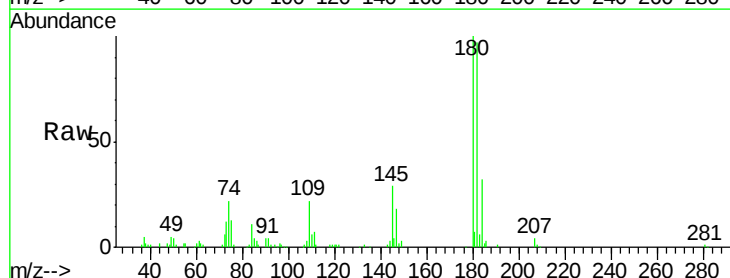
Tgt Ion:180 Resp: 101524

Ion Ratio Lower Upper

180 100

182 97.1 0.0 196.2

145 29.0 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

