

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053465.D
 Acq On : 18 Jan 2019 11:47
 Operator : JC/SP
 Sample : VN0118WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

Quant Time: Jan 19 00:09:58 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	129768	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	729562	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	654490	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	251814	30.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.83%
60) 4-Bromofluorobenzene	12.40	95	303589	30.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.03%
63) Toluene-d8	10.09	98	883664	29.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	123375	14.269	ug/l 100
3) Chloromethane	2.06	50	161577	15.922	ug/l 99
4) Vinyl Chloride	2.19	62	163273	16.350	ug/l 97
5) Bromomethane	2.57	94	110798	17.209	ug/l 95
6) Chloroethane	2.71	64	97585	16.964	ug/l 98
7) Trichlorofluoromethane	3.02	101	224759	18.226	ug/l 98
8) Diethyl Ether	3.41	74	86476	18.874	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	138361	17.857	ug/l 96
10) 1,1-Dichloroethene	3.74	96	134200	17.749	ug/l 96
11) Methyl Iodide	3.96	142	200296	18.088	ug/l 99
12) Methyl Acetate	4.33	43	130452	22.135	ug/l 95
13) Acrolein	3.61	56	70113	99.645	ug/l 100
14) Acrylonitrile	4.99	53	274914	104.272	ug/l 99
15) Acetone	3.82	58	65099	116.179	ug/l 90
16) Carbon Disulfide	4.06	76	376255	16.176	ug/l 100
17) Allyl chloride	4.33	41	201610	16.949	ug/l 97
18) Methylene Chloride	4.55	84	159084	18.383	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	140970	17.641	ug/l 92
20) Diisopropyl ether	5.95	45	468152	18.378	ug/l 98
21) 1,1-Dichloroethane	5.85	63	270661	18.248	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	165635	18.401	ug/l 96
23) tert-Butyl Alcohol	4.88	59	287	0.646	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	380695	19.308	ug/l 96
25) Chloroform	7.37	83	267705	18.777	ug/l 98
26) Cyclohexane	7.66	56	237597	17.175	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	202525	18.326	ug/l 98
30) 2-Butanone	6.84	43	310359	112.568	ug/l 98
31) 2,2-Dichloropropane	6.83	77	193946	18.129	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	224519	19.391	ug/l 97
33) Carbon Tetrachloride	7.78	117	192812	19.024	ug/l 99
34) Benzene	8.04	78	631357	19.010	ug/l 99
35) Methacrylonitrile	7.17	41	61195	17.201	ug/l 96
36) 1,2-Dichloroethane	8.12	62	194851	20.210	ug/l 98
37) Trichloroethene	8.84	130	172964	19.224	ug/l 94
38) Methylcyclohexane	9.08	83	235479	18.218	ug/l 97
39) 1,2-Dichloropropane	9.12	63	166222	19.167	ug/l 98
40) Dibromomethane	9.21	93	98533	20.090	ug/l 93

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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)

41) Bromodichloromethane	9.40	83	204204	19.388	ug/l	98
42) Vinyl Acetate	5.90	43	1502955	99.920	ug/l	97
43) Ethyl Acetate	6.84	43	310359	50.406	ug/l	100
44) Isopropyl Acetate	8.17	43	245939	21.443	ug/l #	81
45) 1,4-Dioxane	9.20	88	27556	392.891	ug/l	91
46) Methyl methacrylate	9.20	41	119031	20.543	ug/l	95
47) n-amyl Acetate	12.07	43	208566	20.706	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	206464	19.206	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	239064	18.886	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	143398	20.392	ug/l	98
51) Ethyl methacrylate	10.43	69	186491	20.348	ug/l	91
52) 1,3-Dichloropropane	10.71	76	242059	19.982	ug/l	100
53) Dibromochloromethane	10.90	129	156710	19.841	ug/l	98
54) 1,2-Dibromoethane	11.01	107	143932	20.289	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	527107	100.215	ug/l	98
56) Bromoform	12.13	173	111730	20.679	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	698041	111.926	ug/l	97
59) 2-Hexanone	10.75	43	480624	111.629	ug/l	97
61) Tetrachloroethene	10.63	164	190262	19.672	ug/l	94
62) Toluene	10.16	91	682639	19.018	ug/l	100
64) Chlorobenzene	11.43	112	428766	19.036	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	153303	19.402	ug/l	99
66) Ethyl Benzene	11.51	91	727437	18.688	ug/l	99
67) m/p-Xylenes	11.62	106	559456	38.002	ug/l	97
68) o-Xylene	11.95	106	271062	19.001	ug/l	97
69) Styrene	11.97	104	444949	19.108	ug/l	99
70) Isopropylbenzene	12.25	105	719080	19.158	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	170702	21.605	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	225245	32.554	ug/l	40
73) Bromobenzene	12.53	156	190819	19.778	ug/l	94
74) n-propylbenzene	12.59	91	823896	19.391	ug/l	98
75) 2-Chlorotoluene	12.68	91	490130	19.478	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	590554	19.835	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	49149	20.217	ug/l	94
78) 4-Chlorotoluene	12.77	91	500195	19.528	ug/l	99
79) tert-butylbenzene	12.99	119	518047	19.950	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	597578	20.025	ug/l	99
81) sec-Butylbenzene	13.17	105	708202	20.596	ug/l	99
82) p-Isopropyltoluene	13.29	119	610637	20.552	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	330535	20.121	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	322120	20.116	ug/l	99
85) n-Butylbenzene	13.62	91	498380	20.626	ug/l	99
86) Hexachloroethane	13.88	117	93204	19.647	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	321828	21.084	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25167	22.273	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	140956	19.026	ug/l	98
90) Hexachlorobutadiene	15.01	225	104526	23.308	ug/l	99
91) Naphthalene	15.13	128	247206	15.726	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	105623	15.979	ug/l	98

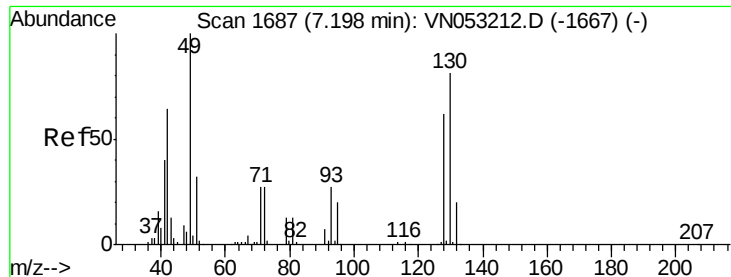
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
Data File : VN053465.D
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Quant Time: Jan 19 00:09:58 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

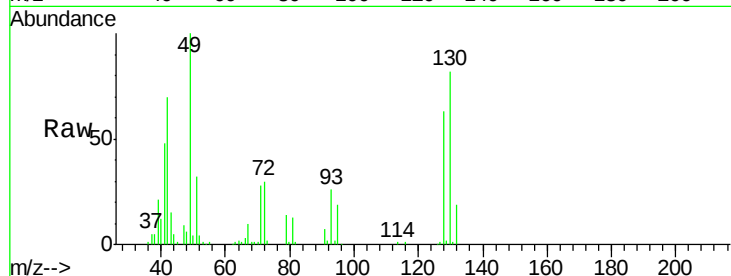
Tot Ion:128 Resp: 129768

Ion Ratio Lower Upper

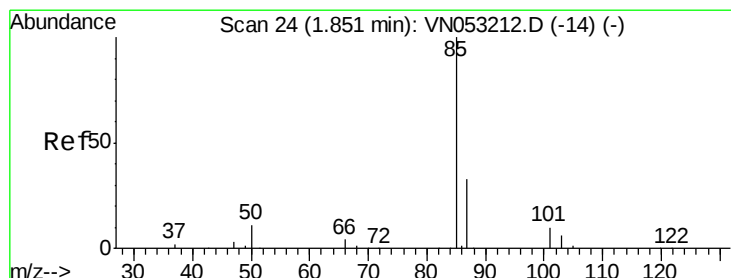
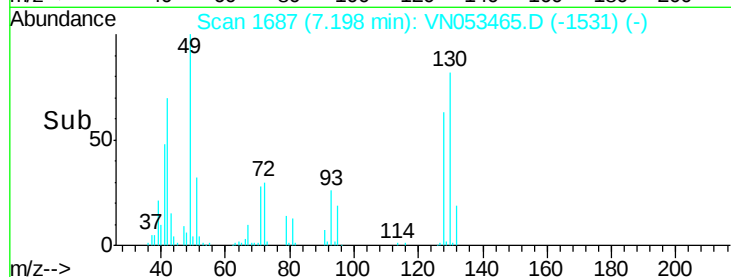
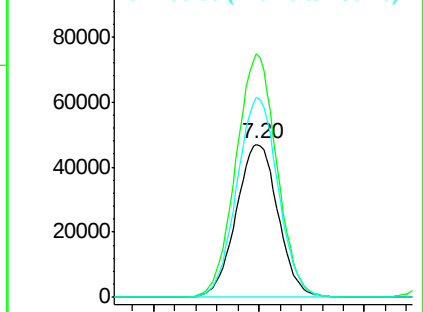
128 100

49 155.2 0.0 431.8

130 128.8 0.0 317.0



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



#2

Dichlorodifluoromethane

Concen: 14.269 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053465.D

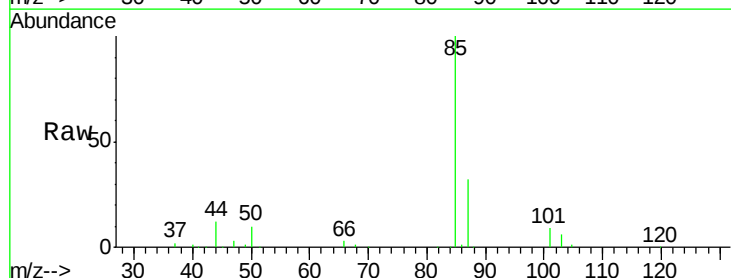
Acq: 18 Jan 2019 11:47

Tgt Ion: 85 Resp: 123375

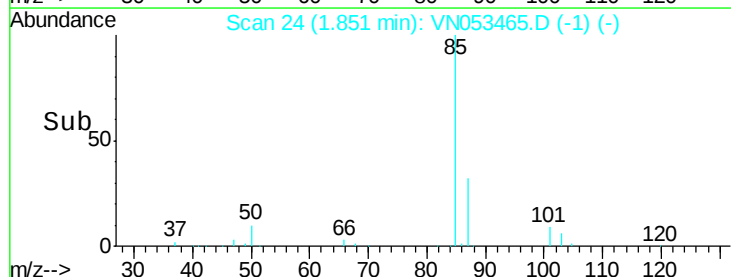
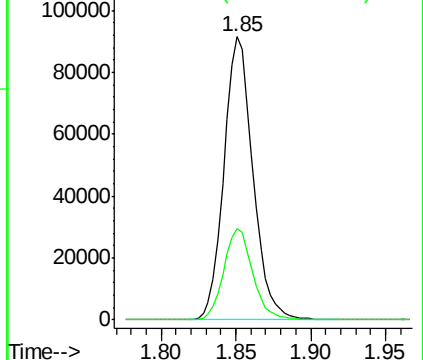
Ion Ratio Lower Upper

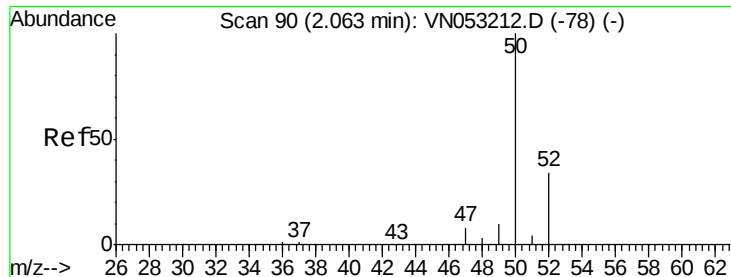
85 100

87 32.2 16.1 48.3



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





#3

Chloromethane

Concen: 15.922 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

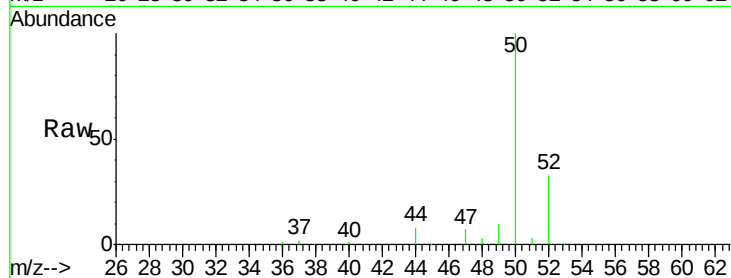
VN0118WBSD01

Tot Ion: 50 Resp: 161577

Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.06

120000

100000

80000

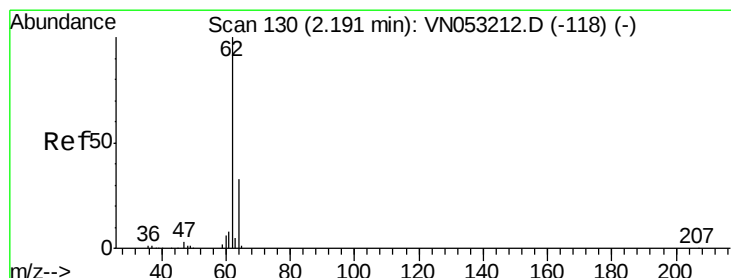
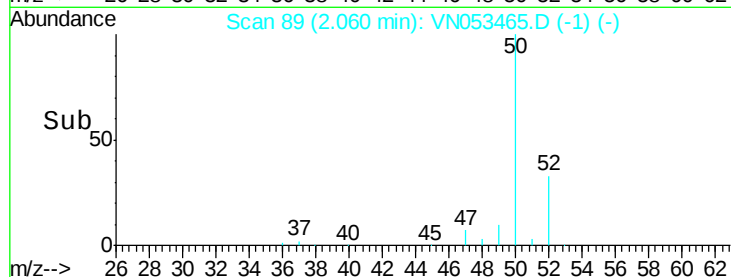
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 16.350 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053465.D

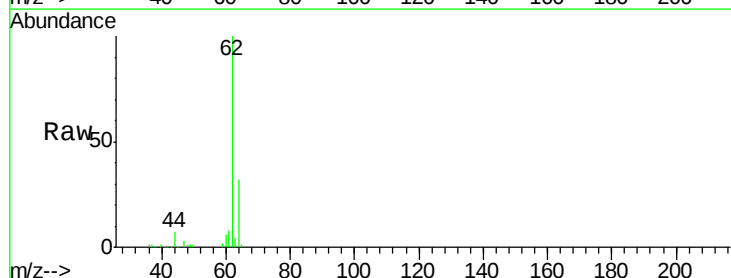
Acq: 18 Jan 2019 11:47

Tgt Ion: 62 Resp: 163273

Ion Ratio Lower Upper

62 100

64 32.1 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.19

120000

100000

80000

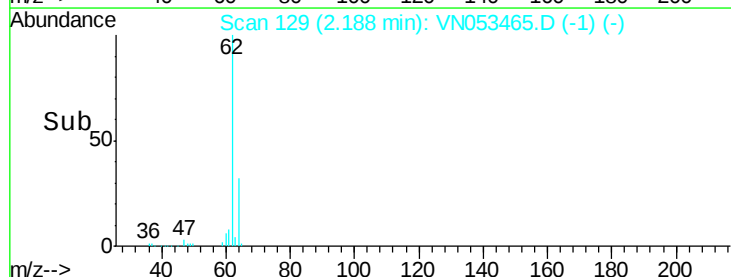
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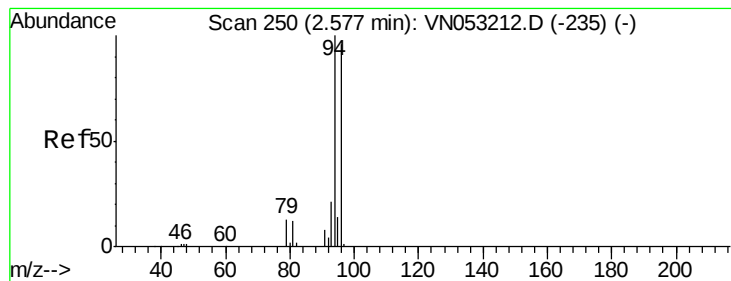
40000

20000

0

Time-->





#5

Bromomethane

Concen: 17.209 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

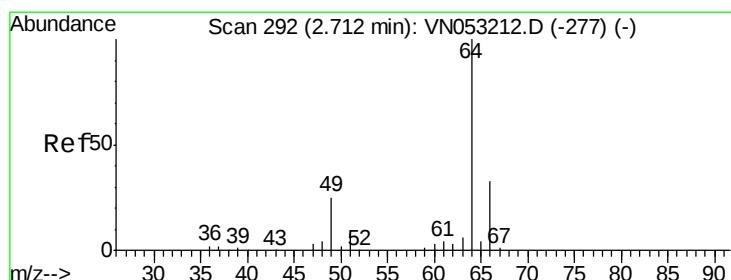
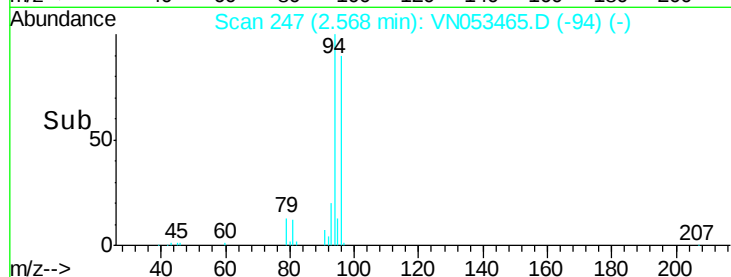
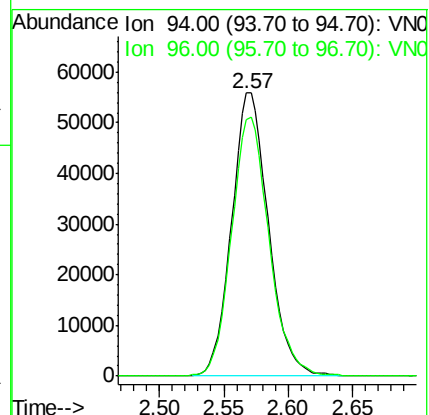
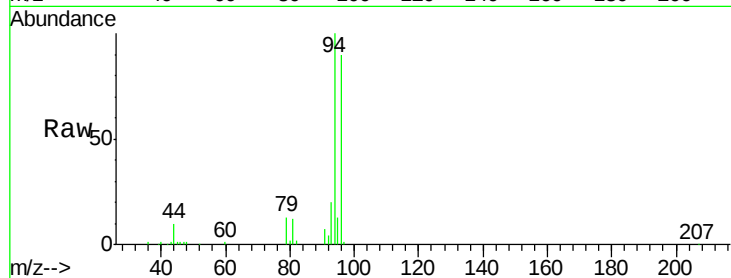
VN0118WBSD01

Tot Ion: 94 Resp: 110798

Ion Ratio Lower Upper

94 100

96 90.1 76.2 114.2



#6

Chloroethane

Concen: 16.964 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053465.D

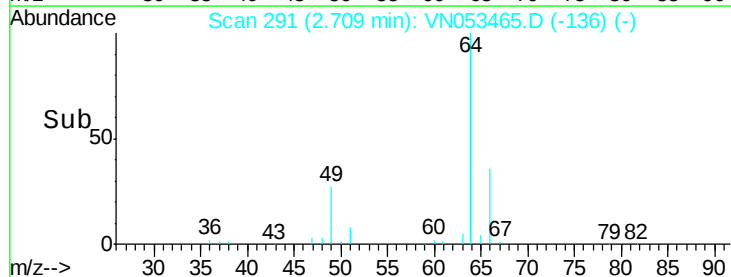
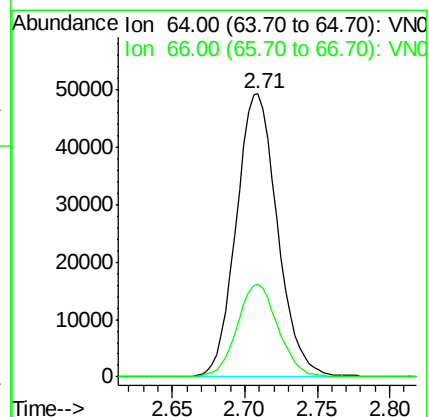
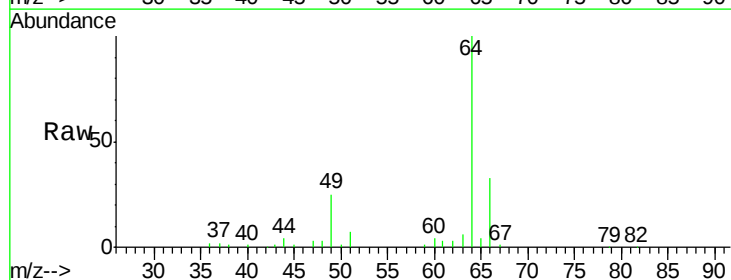
Acq: 18 Jan 2019 11:47

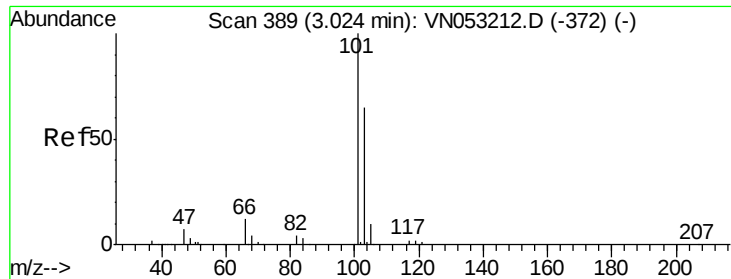
Tgt Ion: 64 Resp: 97585

Ion Ratio Lower Upper

64 100

66 33.0 25.6 38.4



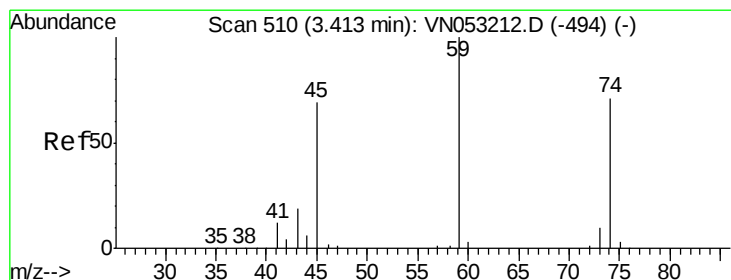
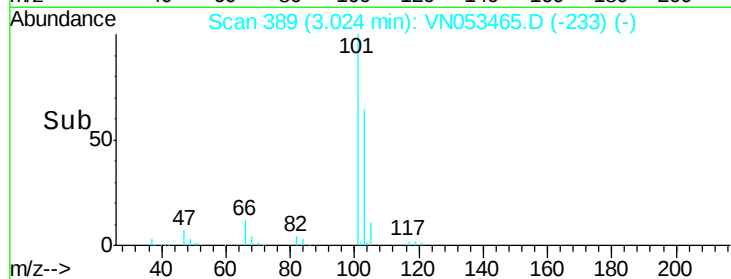
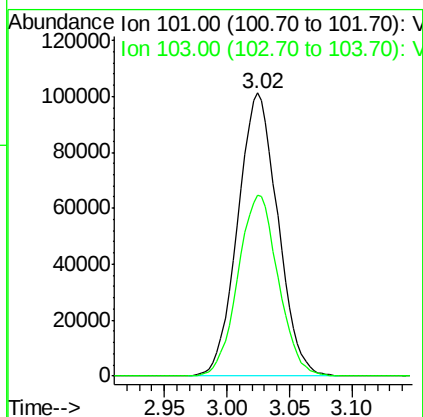
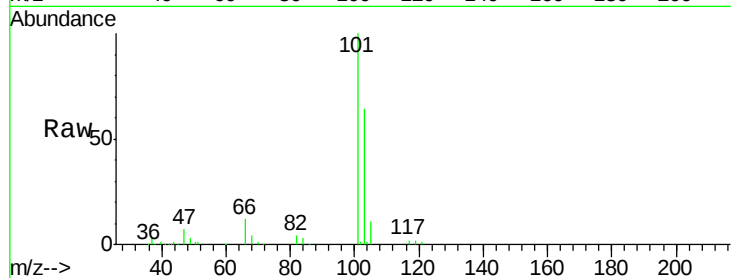


#7

Trichlorofluoromethane
 Concen: 18.226 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

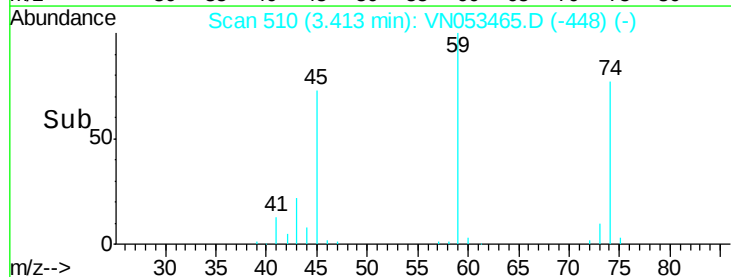
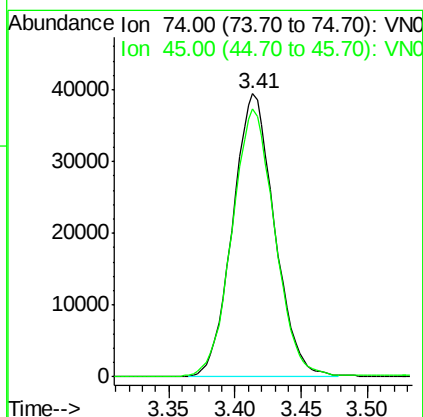
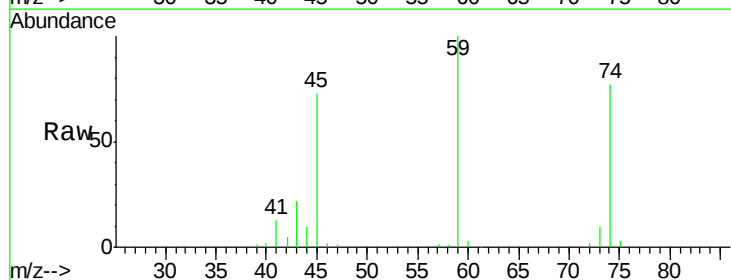
Tot Ion:101 Resp: 224759
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.1 78.1

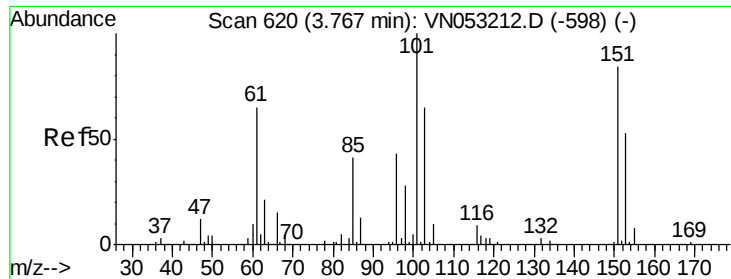


#8

Diethyl Ether
 Concen: 18.874 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion: 74 Resp: 86476
 Ion Ratio Lower Upper
 74 100
 45 96.8 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.857 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

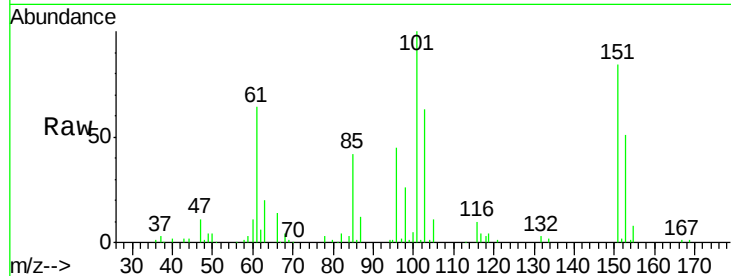
Tot Ion:101 Resp: 138361

Ion Ratio Lower Upper

101 100

85 42.3 0.0 82.6

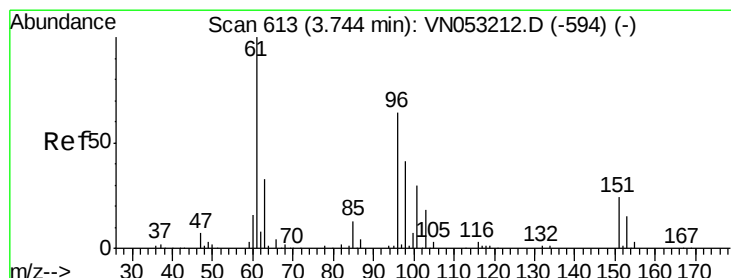
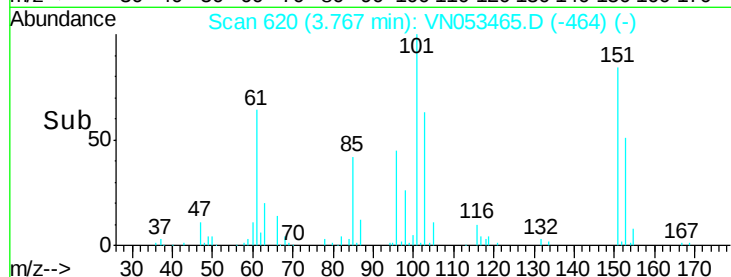
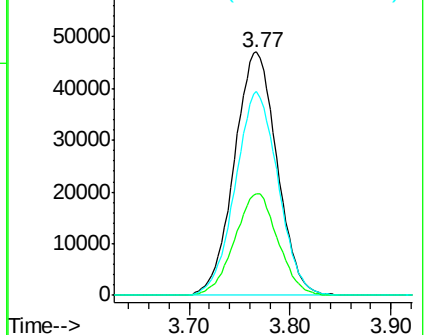
151 83.9 0.0 158.4



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: 17.749 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

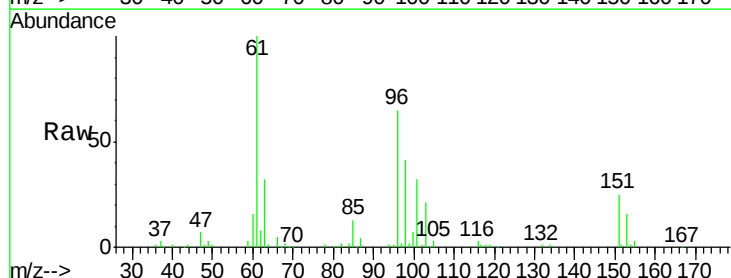
Tgt Ion: 96 Resp: 134200

Ion Ratio Lower Upper

96 100

61 154.9 129.4 194.2

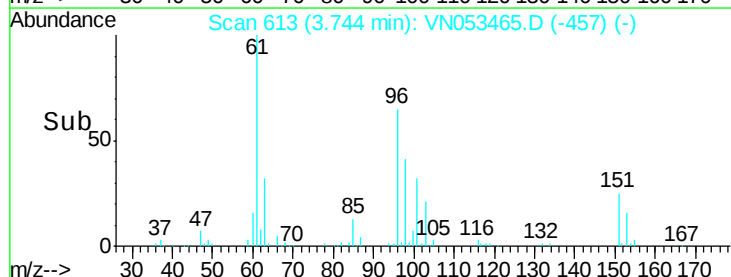
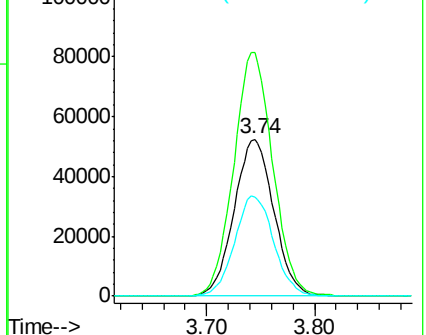
98 62.9 50.4 75.6

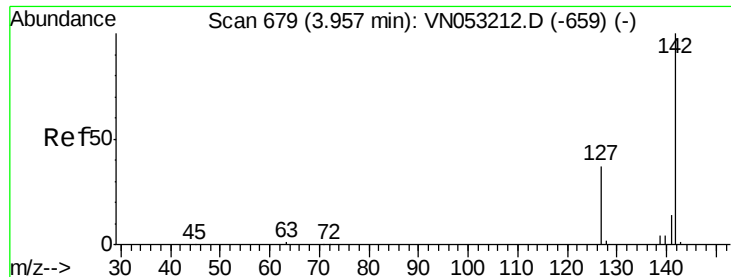


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

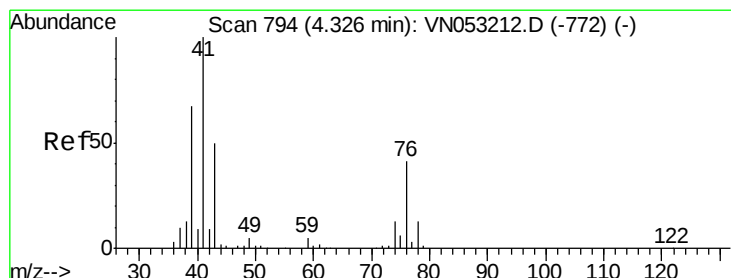
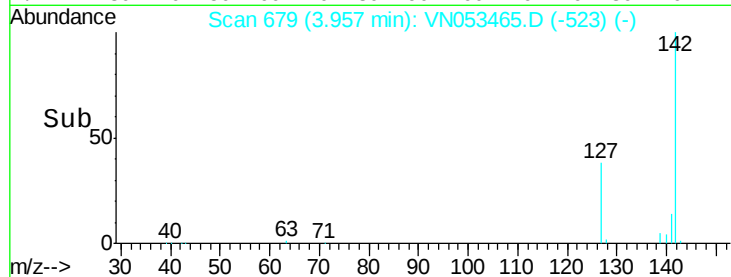
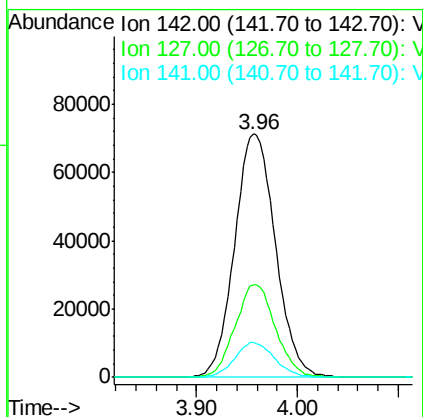
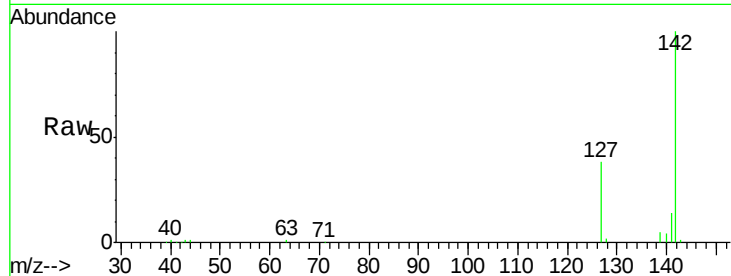




#11
Methyl Iodide
Concen: 18.088 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

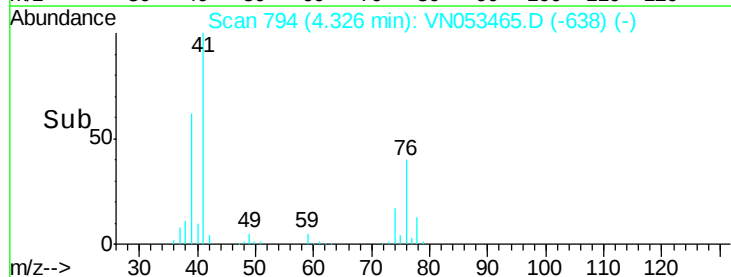
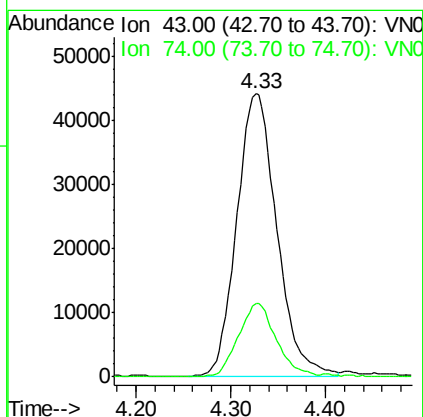
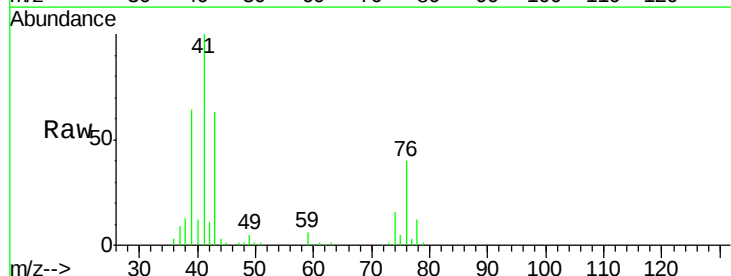
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

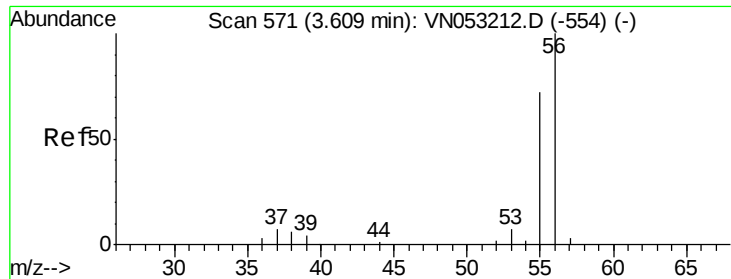
Tot Ion:142 Resp: 200296
Ion Ratio Lower Upper
142 100
127 38.0 19.4 58.1
141 14.3 7.2 21.6



#12
Methyl Acetate
Concen: 22.135 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion: 43 Resp: 130452
Ion Ratio Lower Upper
43 100
74 26.1 18.9 28.3





#13

Acrolein

Concen: 99.645 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

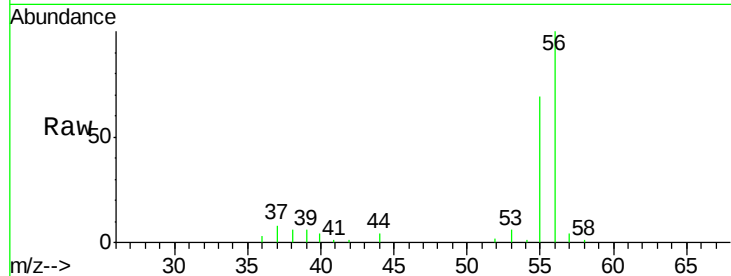
VN0118WBSD01

Tot Ion: 56 Resp: 70113

Ion Ratio Lower Upper

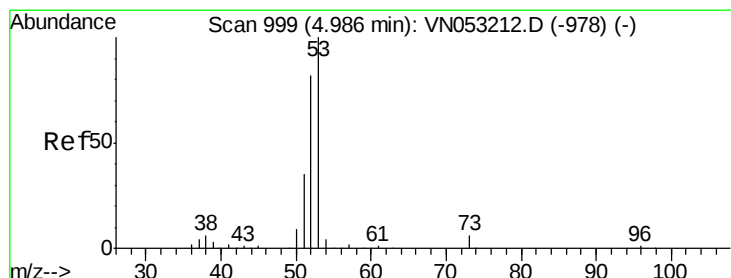
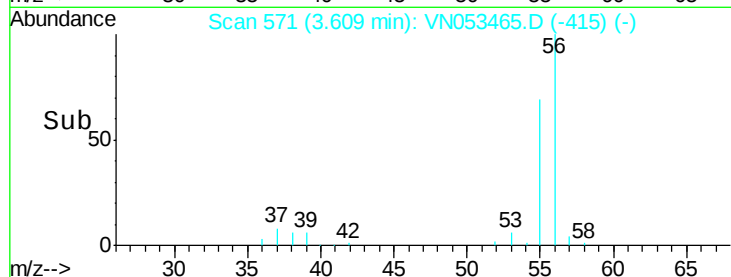
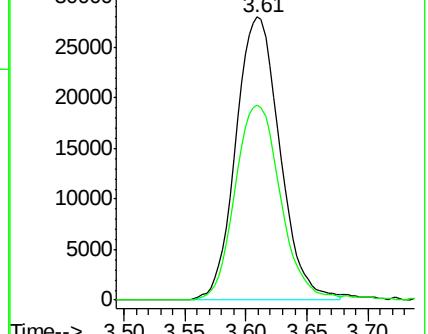
56 100

55 70.9 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 104.272 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

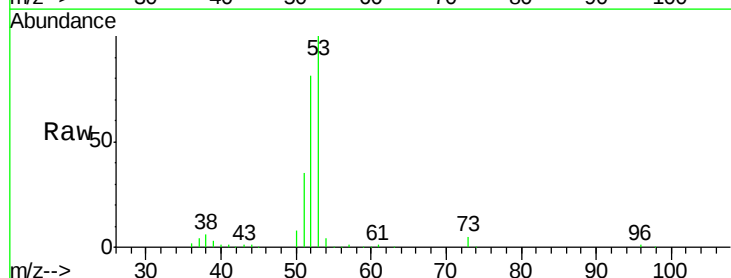
Tgt Ion: 53 Resp: 274914

Ion Ratio Lower Upper

53 100

52 81.1 39.9 119.7

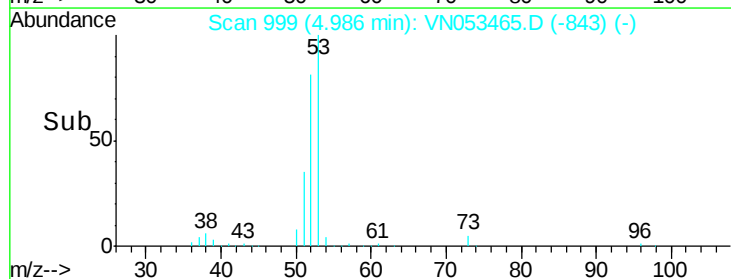
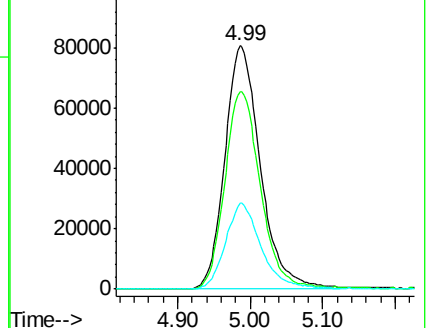
51 34.9 17.6 52.9

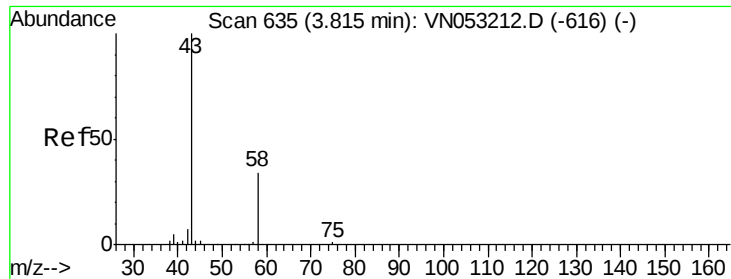


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 116.179 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

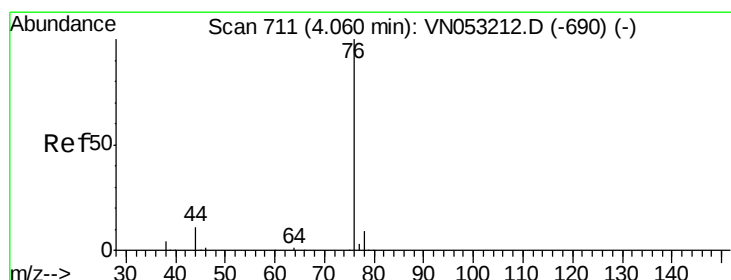
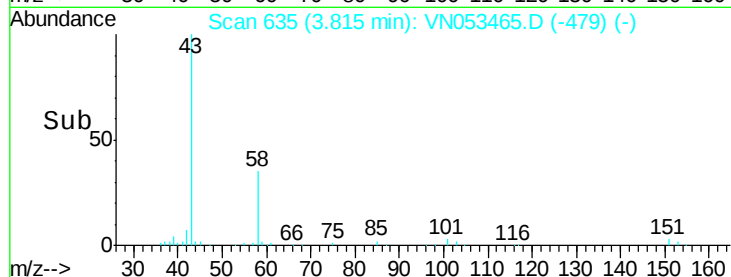
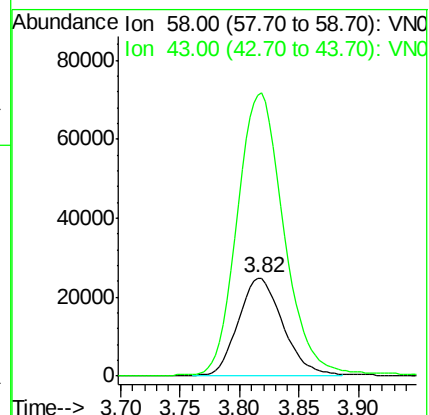
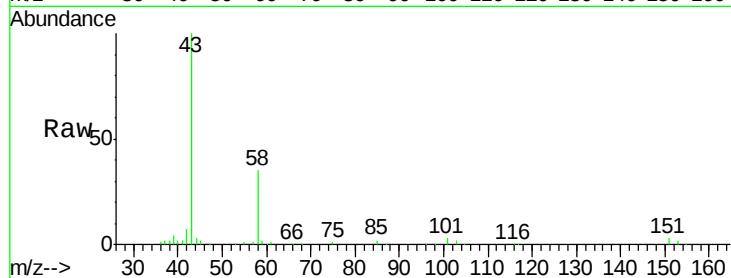
VN0118WBSD01

Tot Ion: 58 Resp: 65099

Ion Ratio Lower Upper

58 100

43 283.8 243.6 365.4



#16

Carbon Disulfide

Concen: 16.176 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053465.D

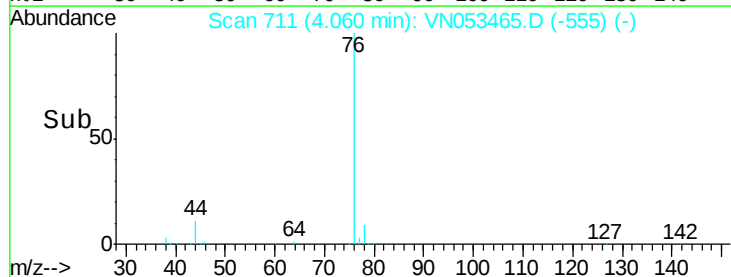
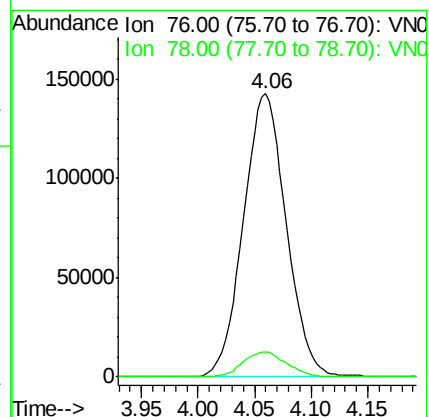
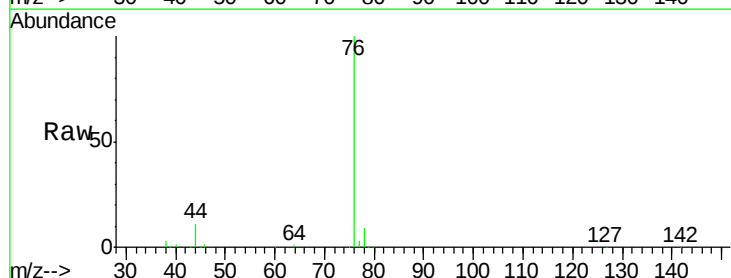
Acq: 18 Jan 2019 11:47

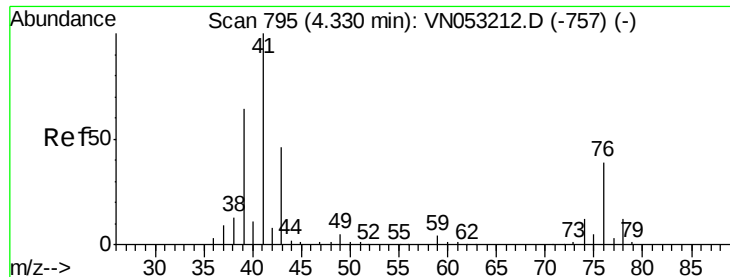
Tgt Ion: 76 Resp: 376255

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

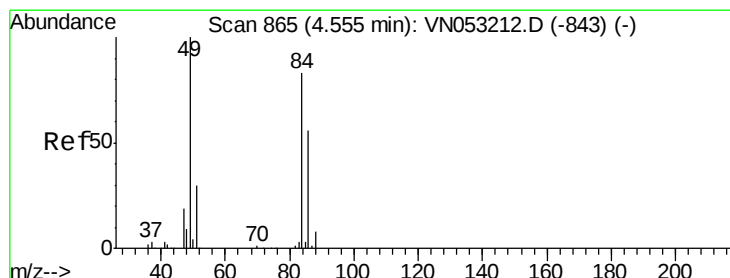
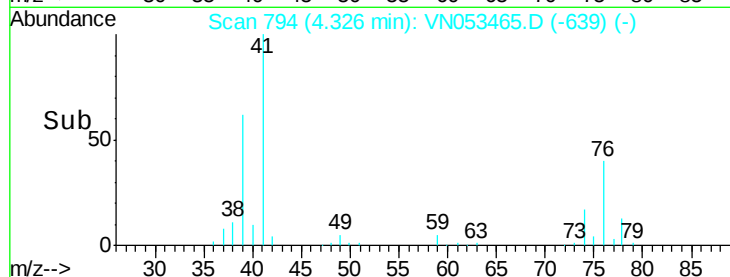
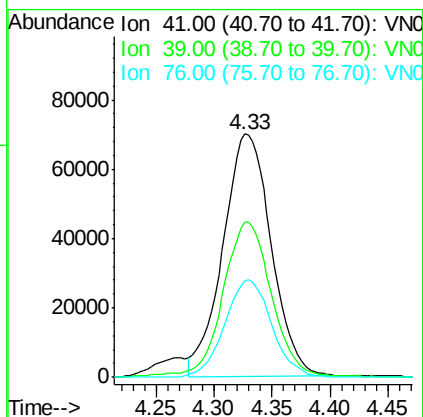
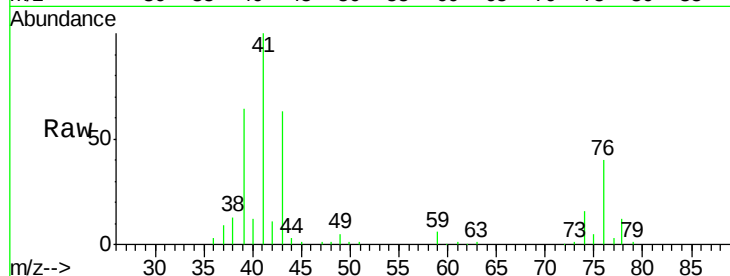




#17
Allvl chloride
Concen: 16.949 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

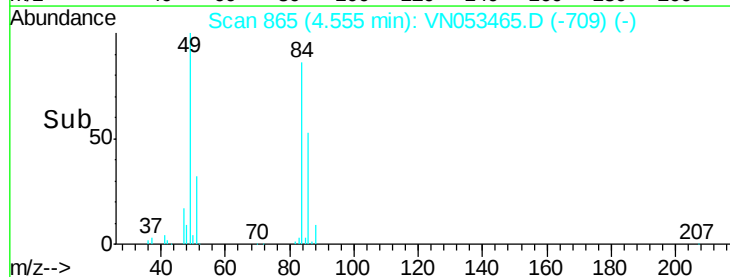
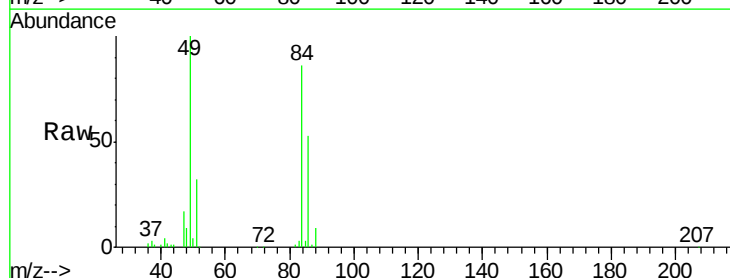
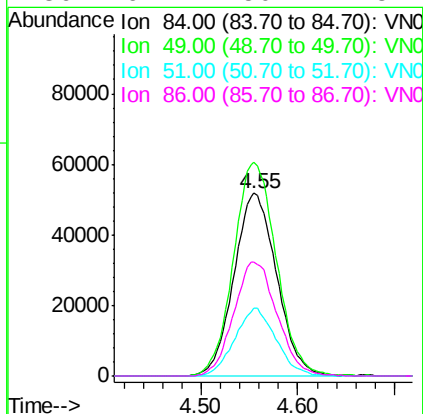
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

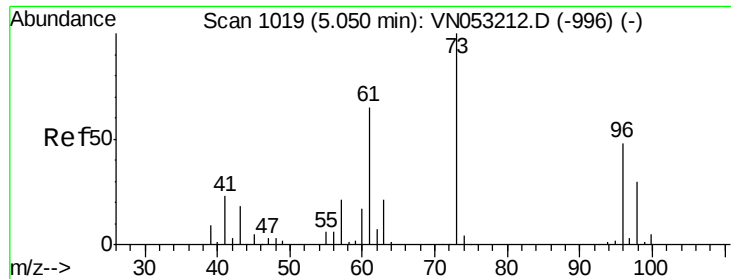
Tot Ion: 41 Resp: 201610
Ion Ratio Lower Upper
41 100
39 63.7 32.8 98.3
76 39.6 18.6 55.8



#18
Methylene Chloride
Concen: 18.383 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion: 84 Resp: 159084
Ion Ratio Lower Upper
84 100
49 116.5 101.4 152.0
51 37.2 31.7 47.5
86 62.2 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 17.641 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

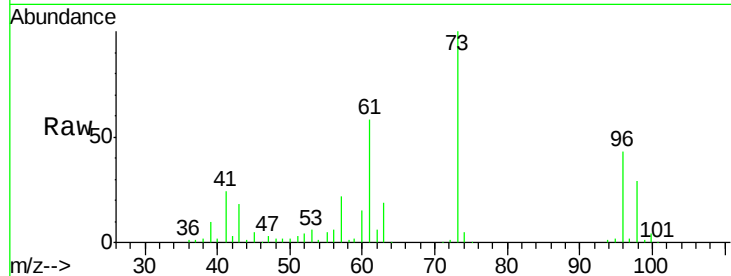
MSVOA_N

ClientSampleId :

VN0118WBSD01

Tot Ion: 96 Resp: 140970

Ion	Ratio	Lower	Upper
96	100		
61	134.1	118.2	177.4
98	66.6	51.4	77.2

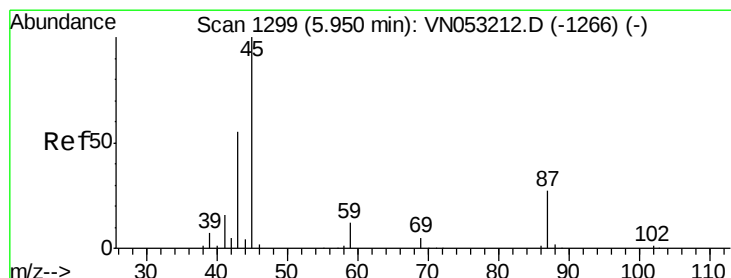
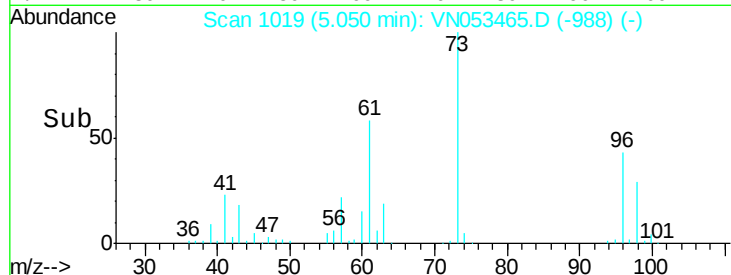
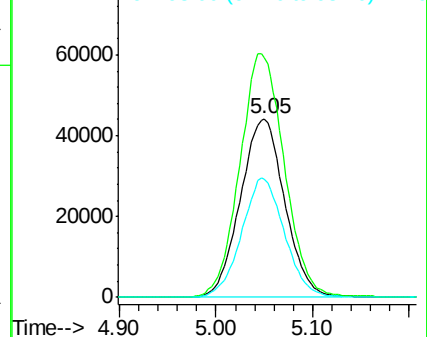


Abundance

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



#20

Diisopropyl ether

Concen: 18.378 ug/l

RT: 5.95 min Scan# 1300

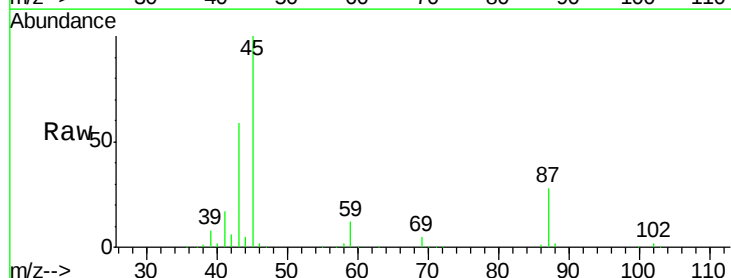
Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Tgt Ion: 45 Resp: 468152

Ion	Ratio	Lower	Upper
45	100		
43	58.0	47.8	71.8
87	27.9	21.3	31.9
59	12.0	8.9	13.3



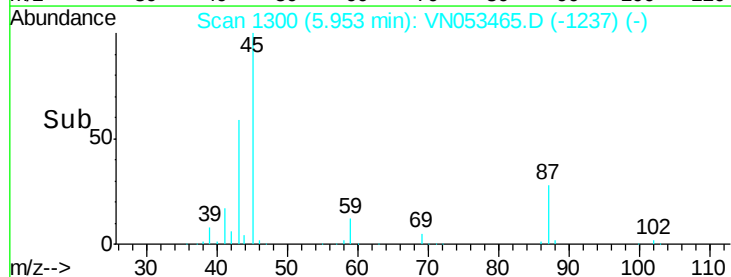
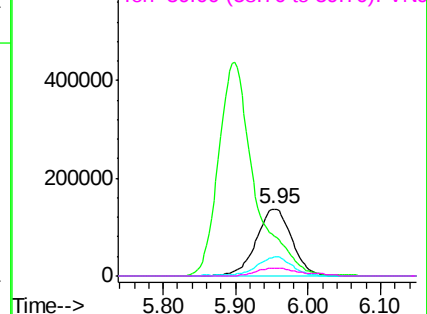
Abundance

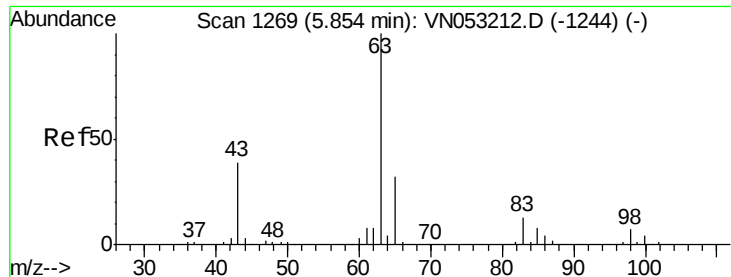
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 18.248 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

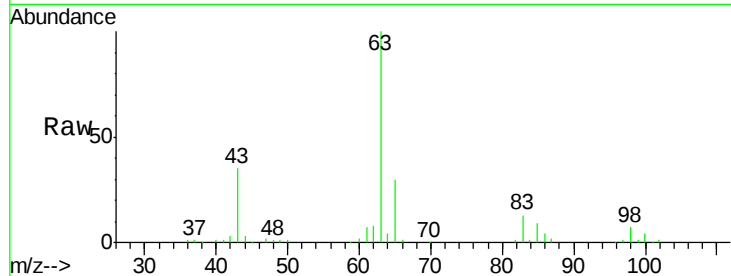
Tot Ion: 63 Resp: 270661

Ion Ratio Lower Upper

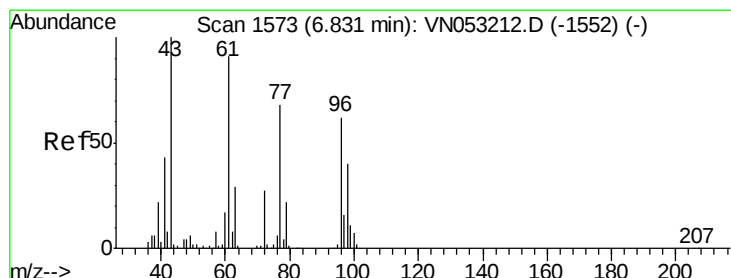
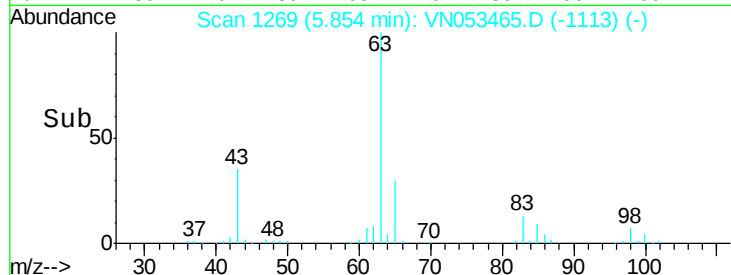
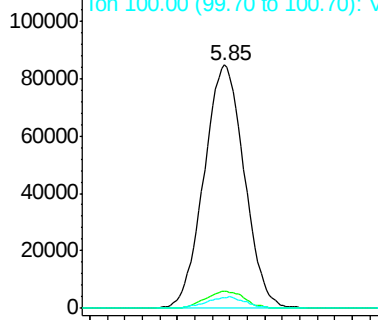
63 100

98 7.1 3.0 9.2

100 4.5 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: 18.401 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

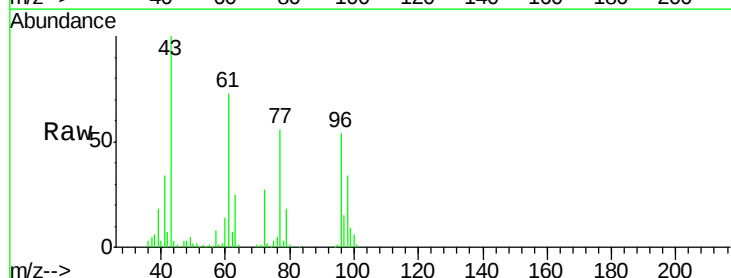
Tgt Ion: 96 Resp: 165635

Ion Ratio Lower Upper

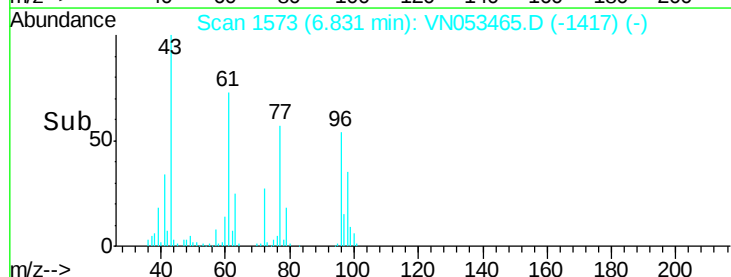
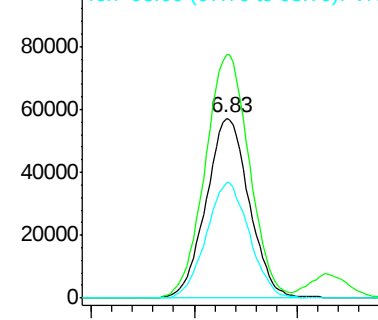
96 100

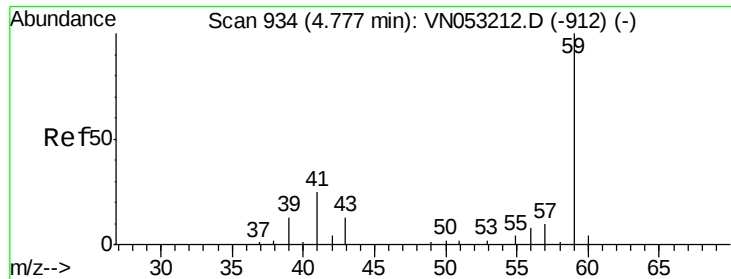
61 139.1 116.7 175.1

98 64.2 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

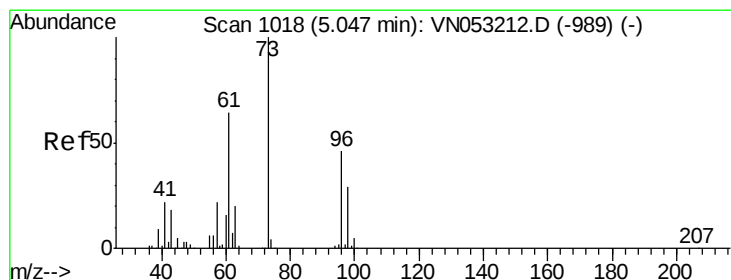
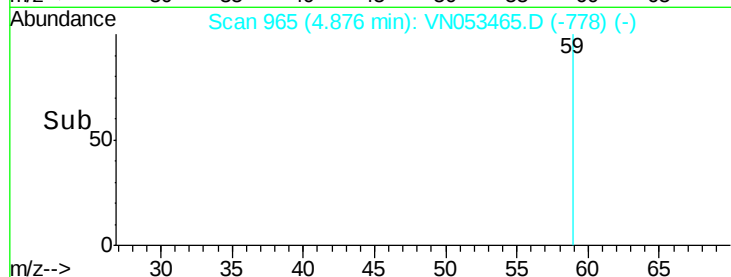
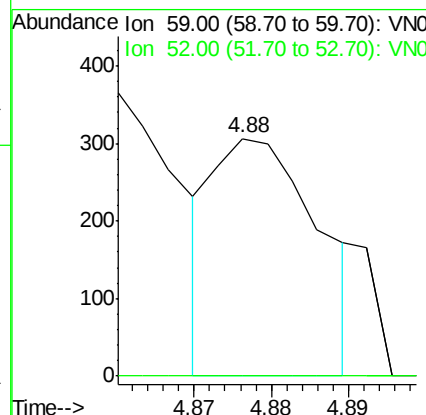
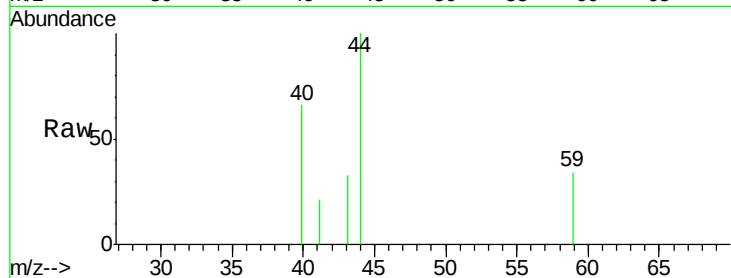




#23
 tert-Butyl Alcohol
 Concen: 0.646 ug/l
 RT: 4.88 min Scan# 965
 Delta R.T. 0.10 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

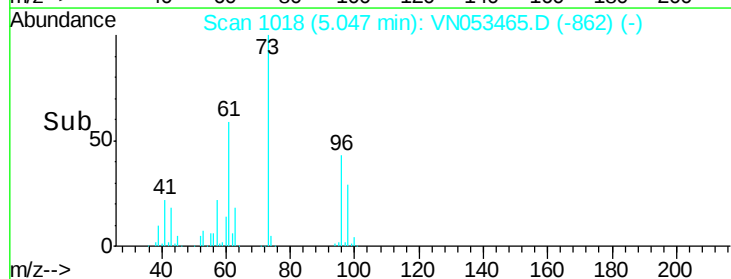
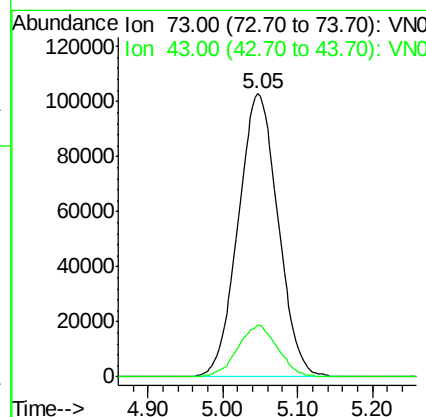
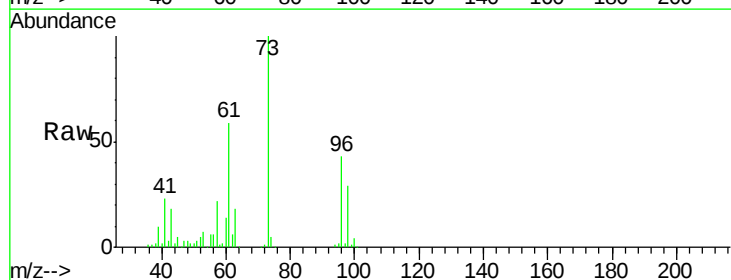
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

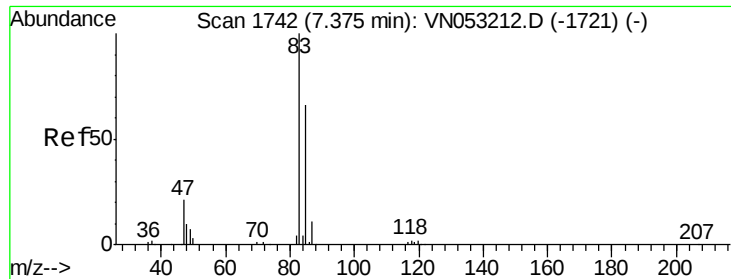
Tot Ion: 59 Resp: 287
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 19.308 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion: 73 Resp: 380695
 Ion Ratio Lower Upper
 73 100
 43 18.0 15.8 23.8

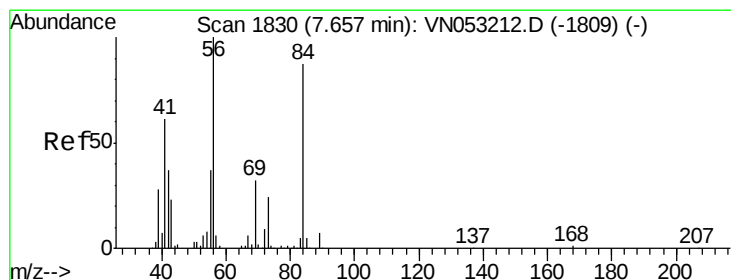
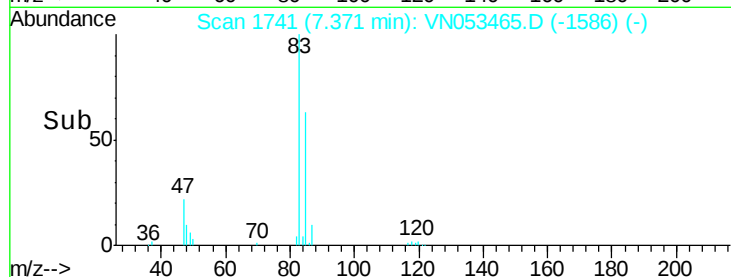
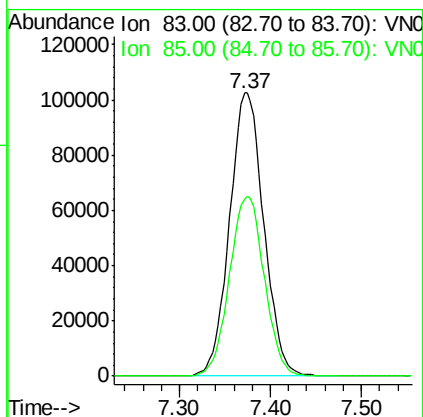
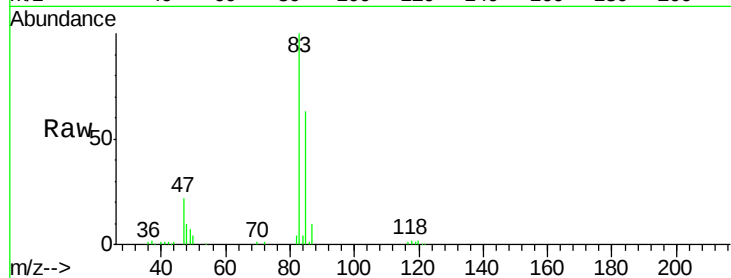




#25
Chloroform
Concen: 18.777 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

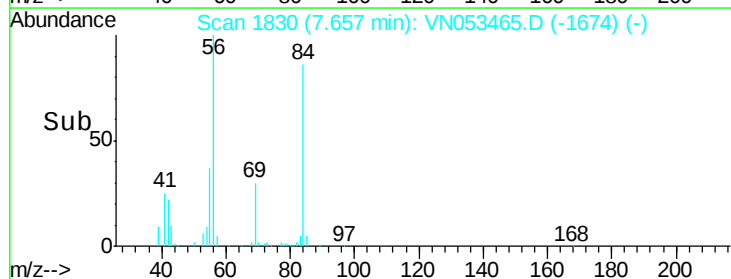
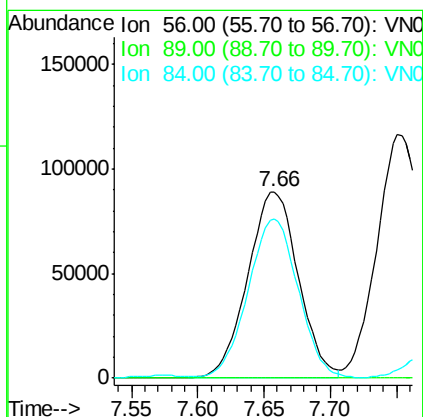
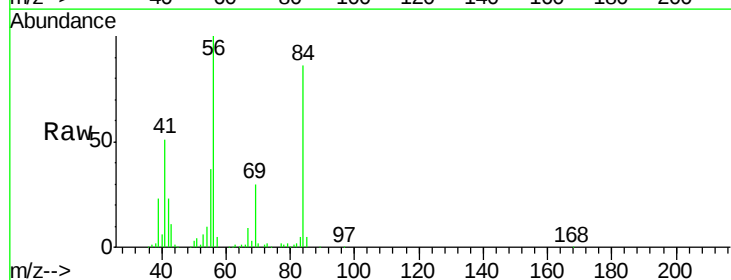
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

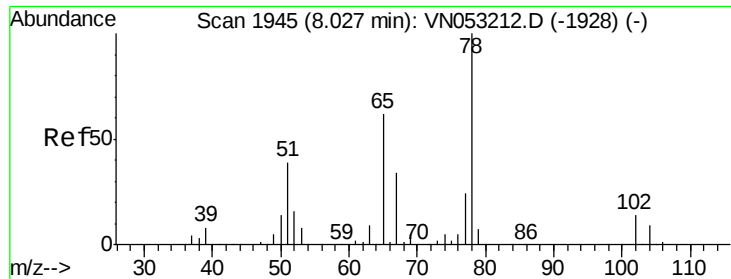
Tot Ion: 83 Resp: 267705
Ion Ratio Lower Upper
83 100
85 62.7 51.7 77.5



#26
Cyclohexane
Concen: 17.175 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion: 56 Resp: 237597
Ion Ratio Lower Upper
56 100
89 0.1 0.5 0.7#
84 84.9 66.2 99.2

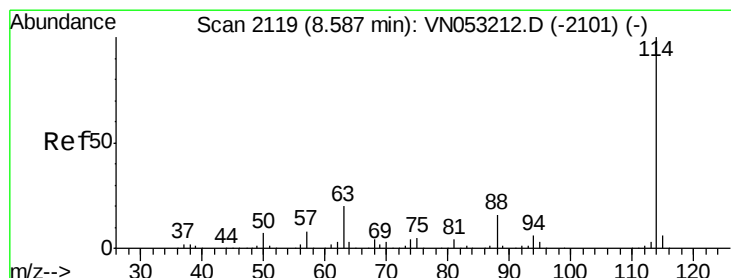
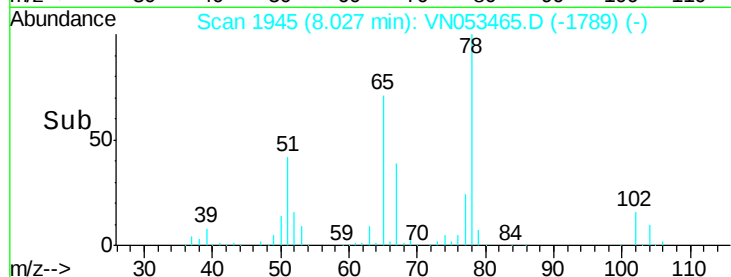
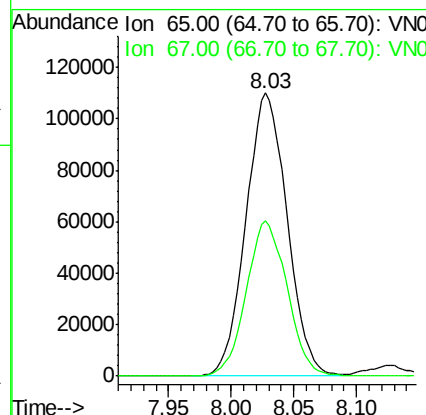
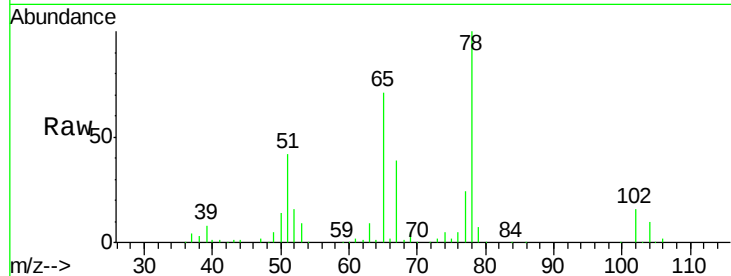




#27
 1,2-Dichloroethane-d4
 Concen: 17.175 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

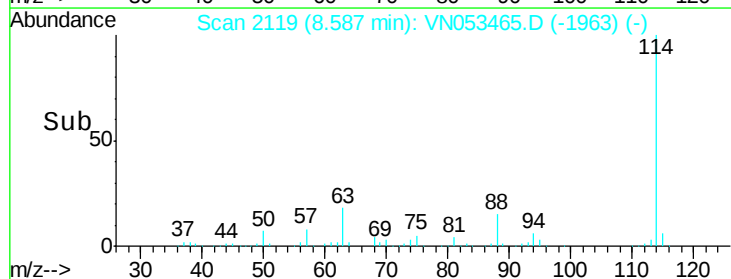
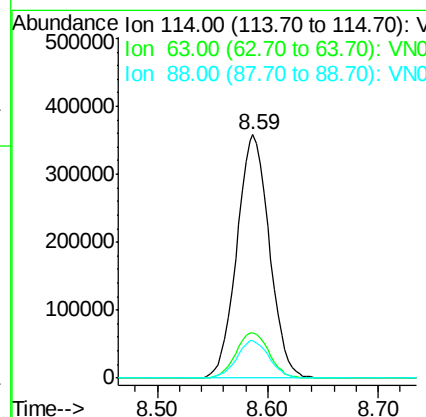
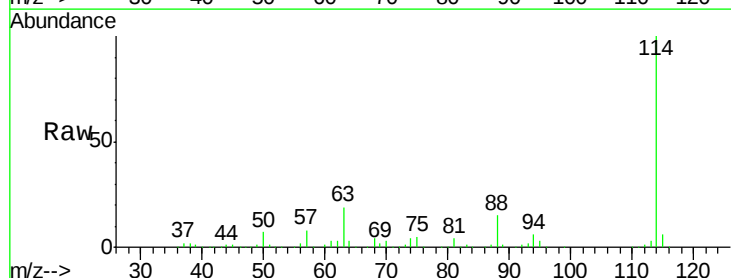
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

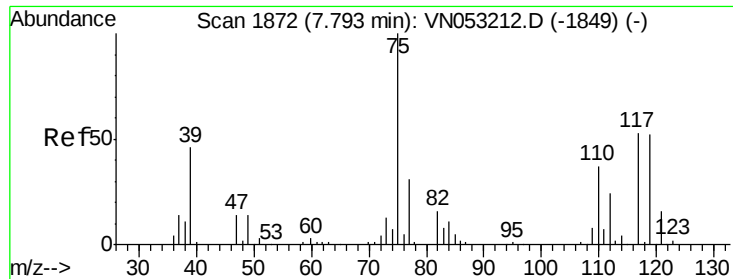
Tot Ion: 65 Resp: 251814
 Ion Ratio Lower Upper
 65 100
 67 54.3 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion: 114 Resp: 729562
 Ion Ratio Lower Upper
 114 100
 63 19.1 16.9 25.3
 88 15.4 12.8 19.2

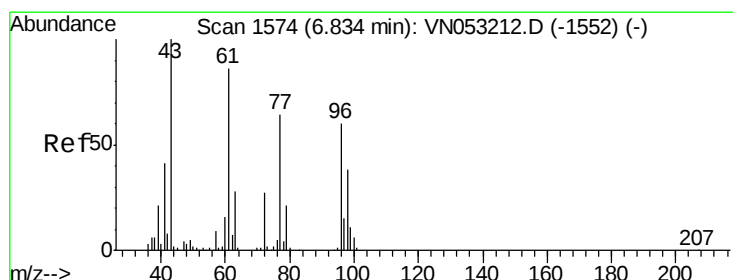
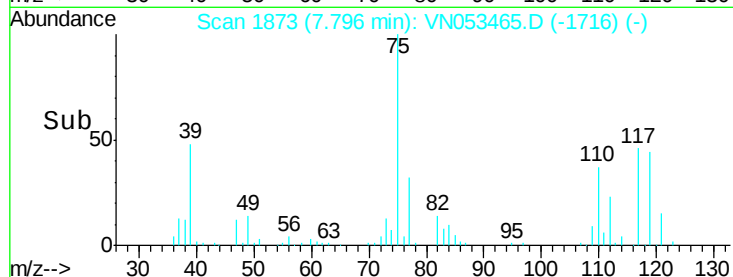
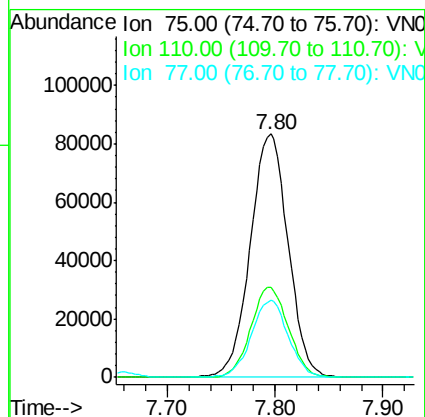
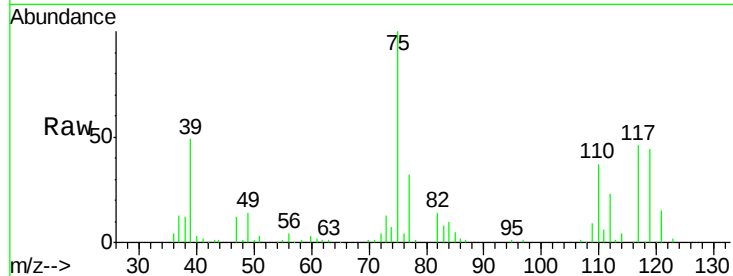




#29
 1,1-Dichloropropene
 Concen: 18.326 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

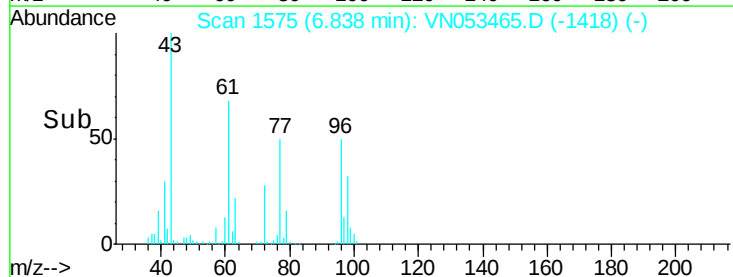
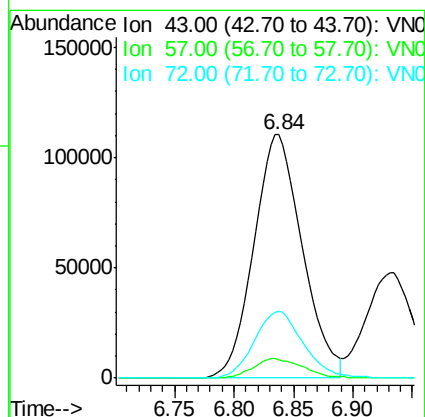
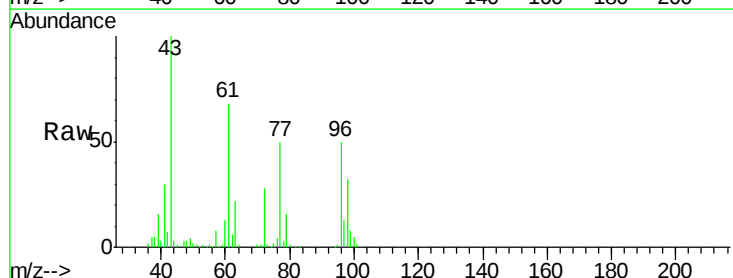
Instrument :
 MSVOA_N
 ClientSampled :
 VN0118WBSD01

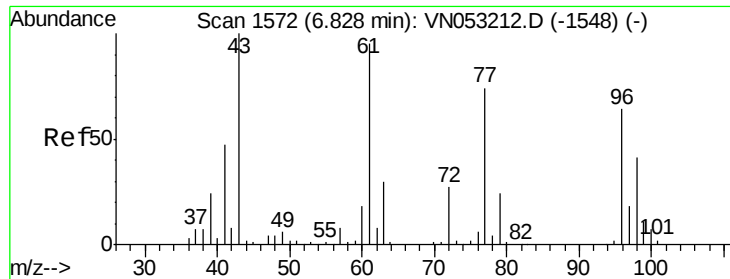
Tot Ion: 75 Resp: 202525
 Ion Ratio Lower Upper
 75 100
 110 36.7 0.0 70.2
 77 31.2 0.0 62.6



#30
 2-Butanone
 Concen: 112.568 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion: 43 Resp: 310359
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.2 9.4
 72 27.7 21.0 31.6

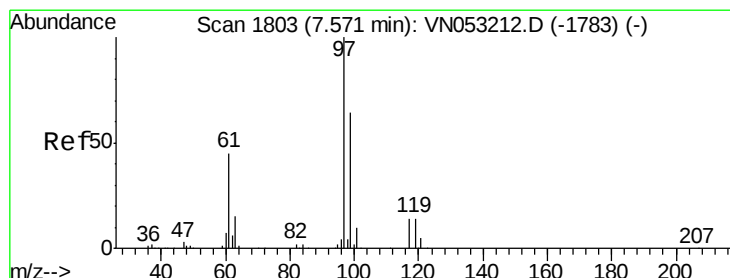
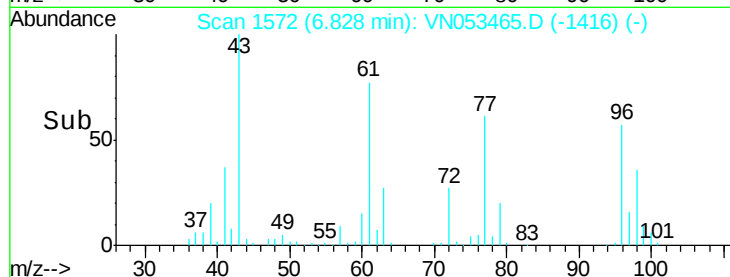
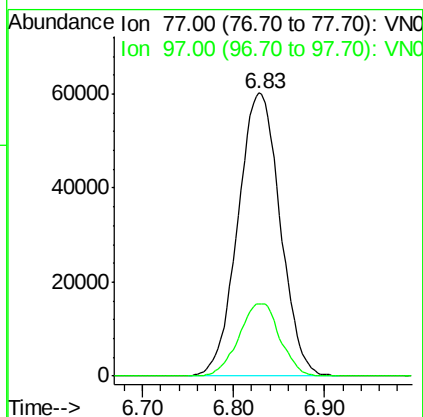
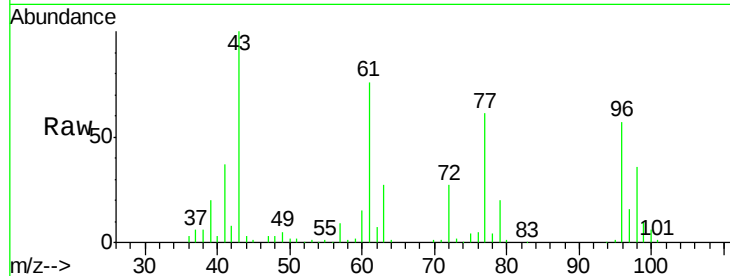




#31
 2,2-Dichloropropane
 Concen: 18.129 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

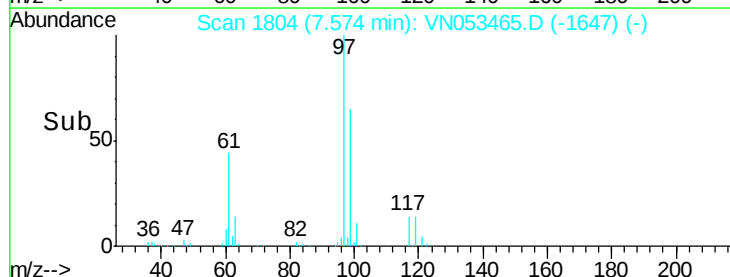
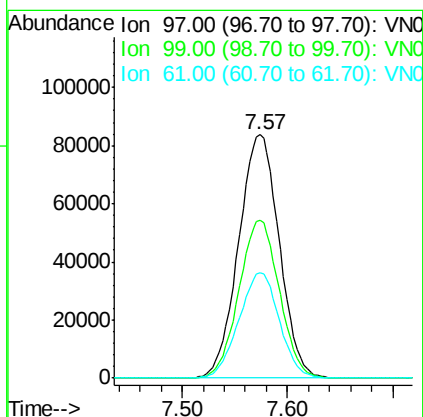
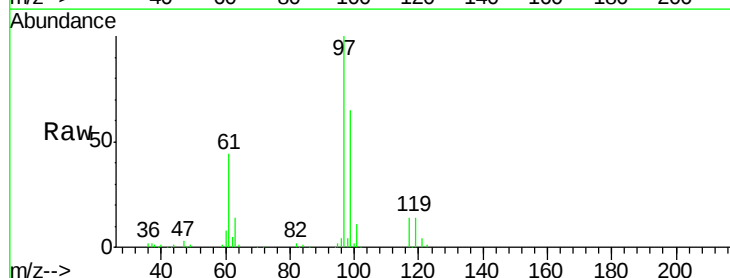
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

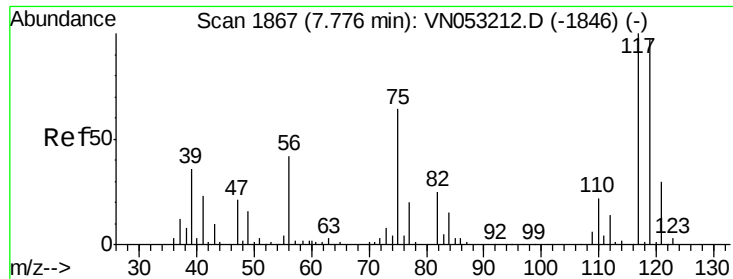
Tot Ion: 77 Resp: 193946
 Ion Ratio Lower Upper
 77 100
 97 24.9 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 19.391 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion: 97 Resp: 224519
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.9 76.3
 61 43.2 38.1 57.1

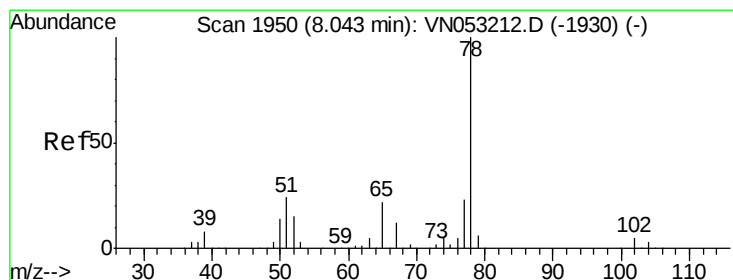
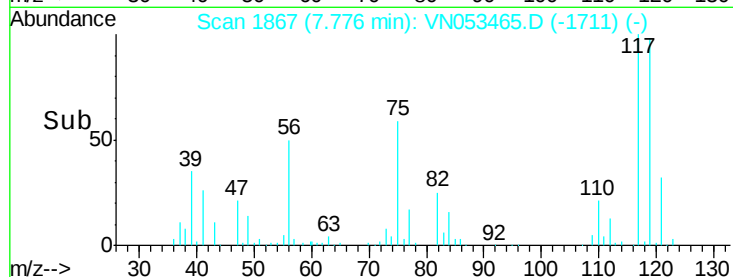
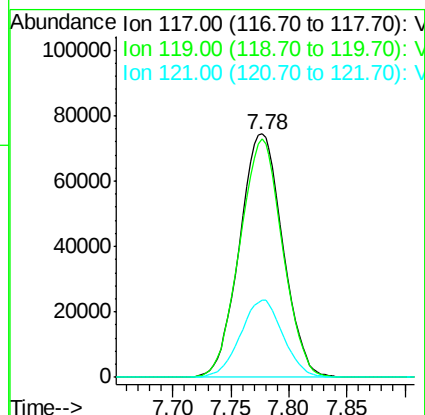
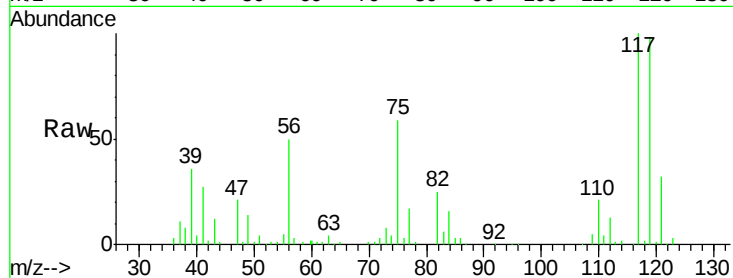




#33
Carbon Tetrachloride
Concen: 19.024 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

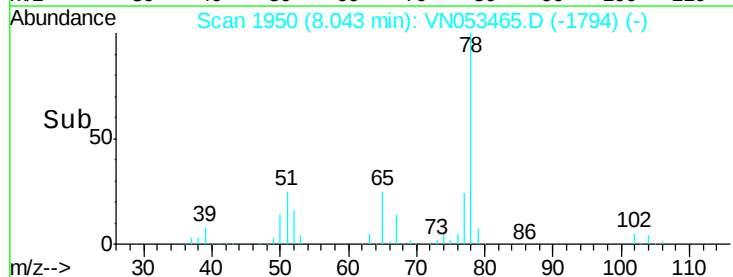
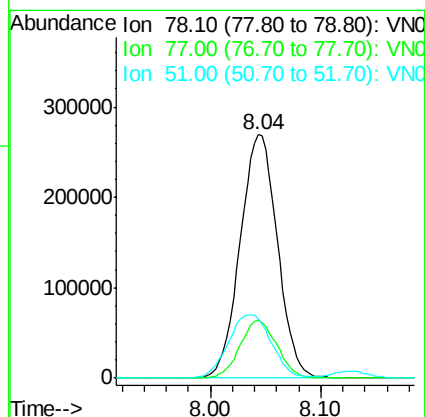
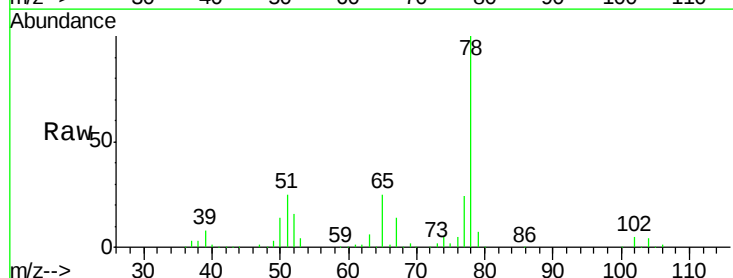
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

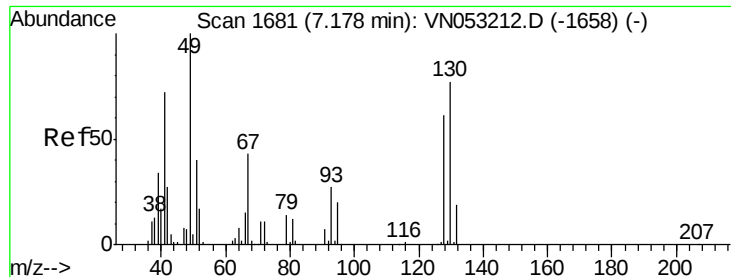
Tot Ion:117 Resp: 192812
Ion Ratio Lower Upper
117 100
119 97.7 77.3 115.9
121 31.9 24.9 37.3



#34
Benzene
Concen: 19.010 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion: 78 Resp: 631357
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6
51 24.5 20.5 30.7

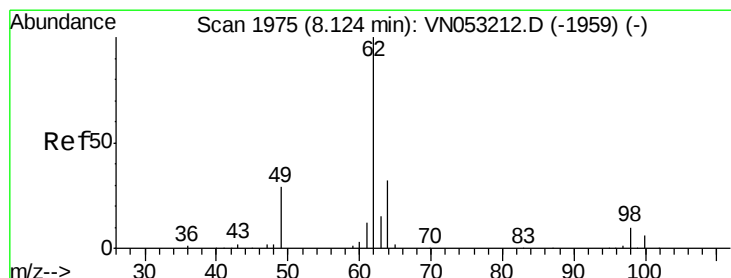
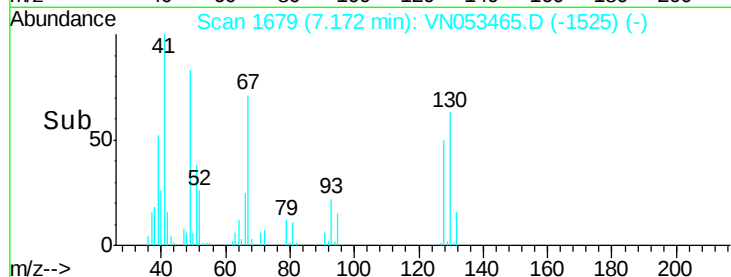
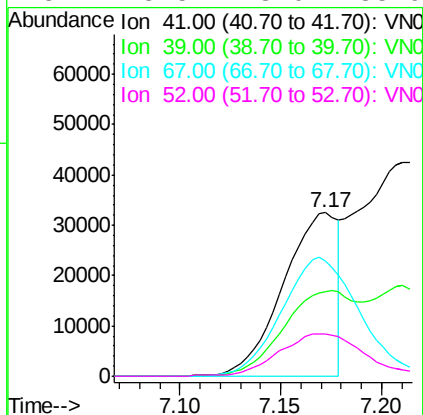
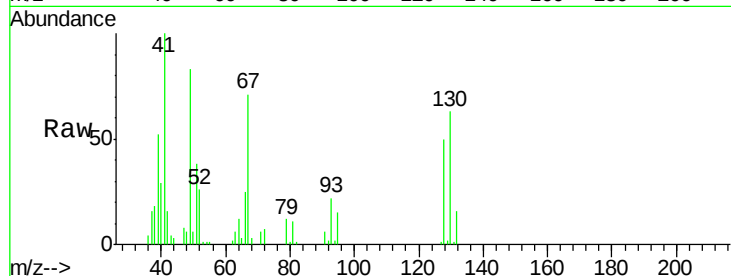




#35
Methacrylonitrile
Concen: 17.201 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

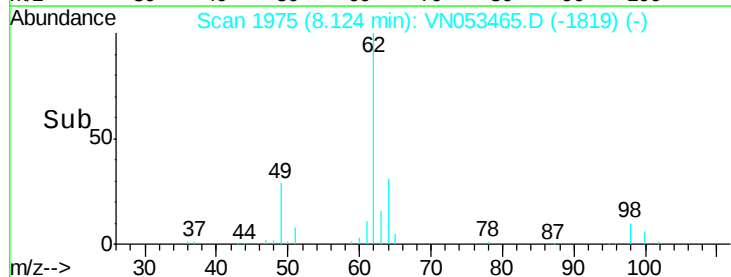
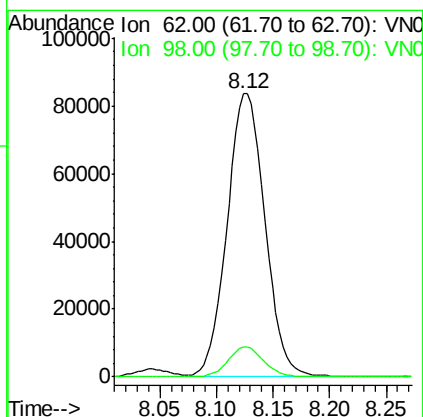
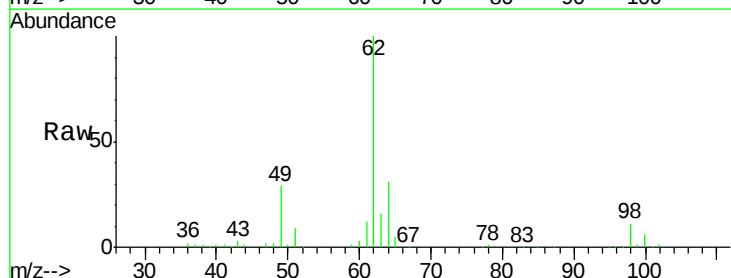
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

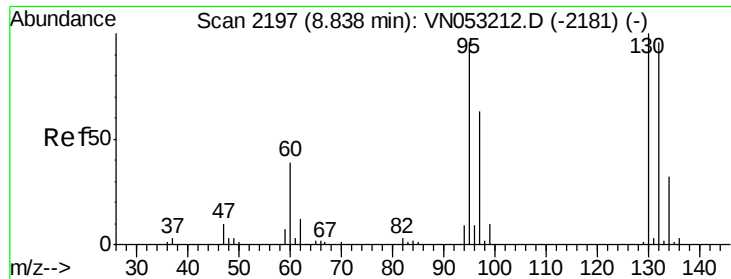
Tot Ion: 41 Resp: 61195
Ion Ratio Lower Upper
41 100
39 51.5 26.6 79.7
67 70.7 32.3 96.9
52 25.5 13.0 38.9



#36
1,2-Dichloroethane
Concen: 20.210 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion: 62 Resp: 194851
Ion Ratio Lower Upper
62 100
98 9.9 7.4 11.2

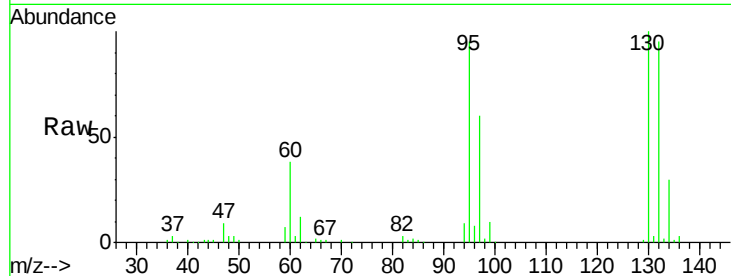




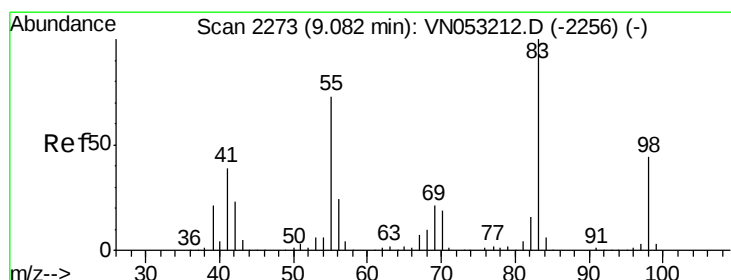
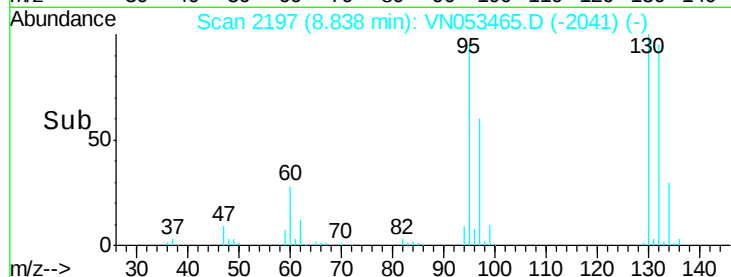
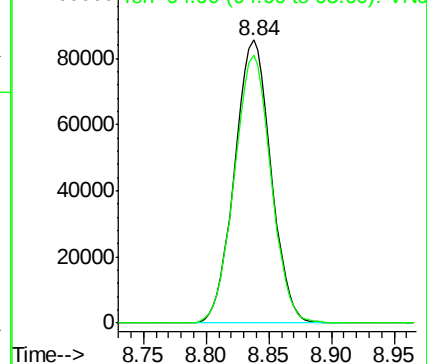
#37
 Trichloroethene
 Concen: 19.224 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

Tot Ion:130 Resp: 172964
 Ion Ratio Lower Upper
 130 100
 95 94.7 81.0 121.4

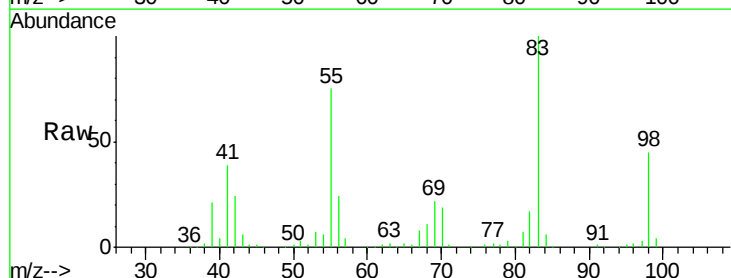


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

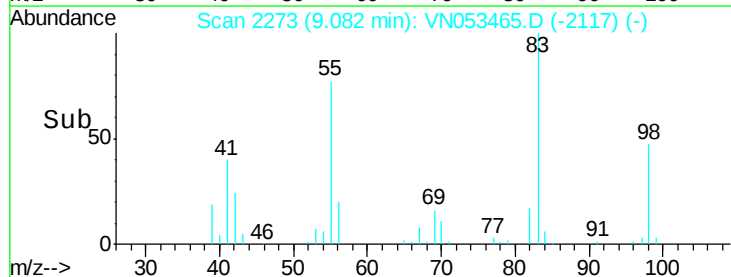
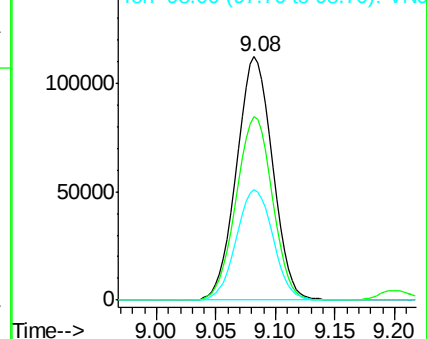


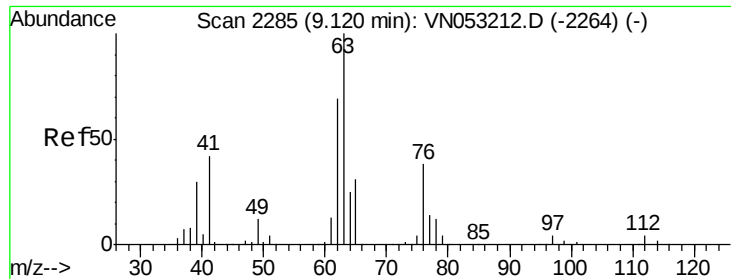
#38
 Methylcyclohexane
 Concen: 18.218 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion: 83 Resp: 235479
 Ion Ratio Lower Upper
 83 100
 55 76.1 39.8 119.4
 98 46.1 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO

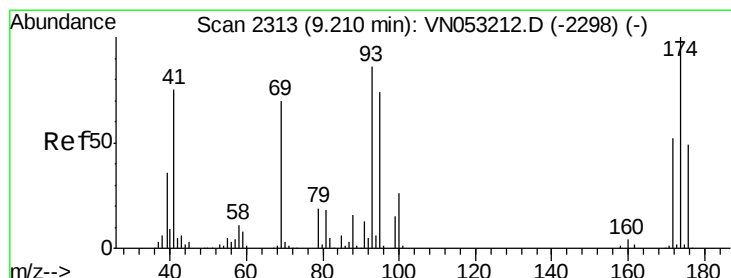
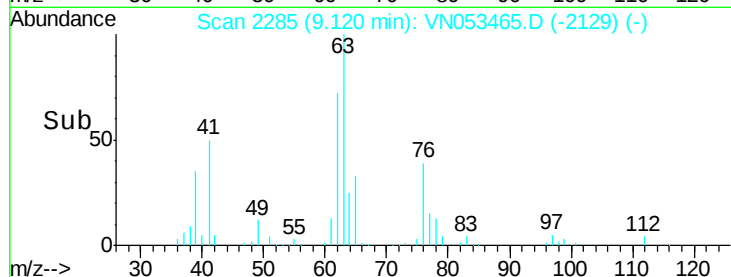
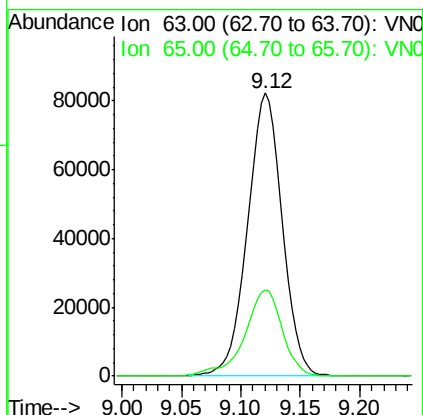
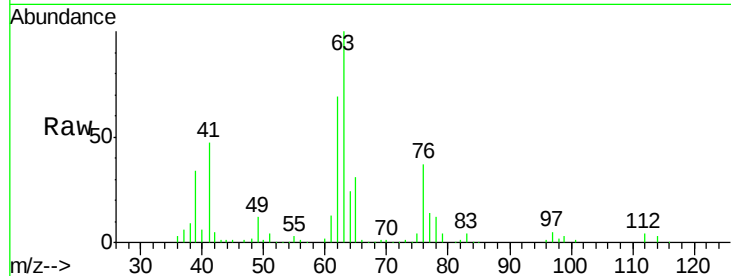




#39
 1,2-Dichloropropane
 Concen: 19.167 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

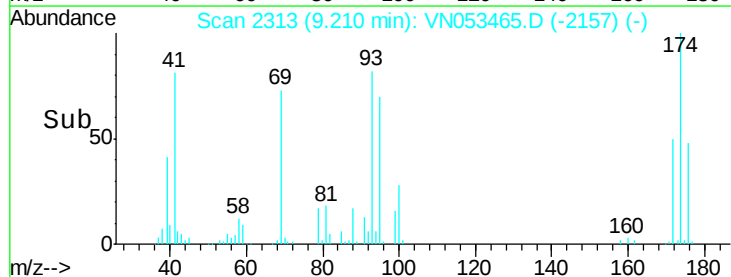
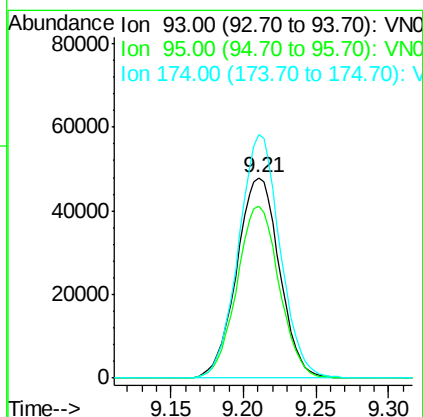
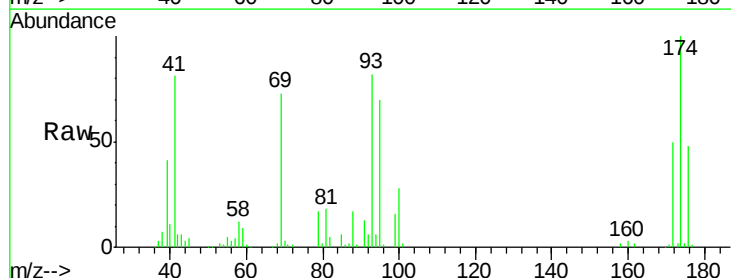
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

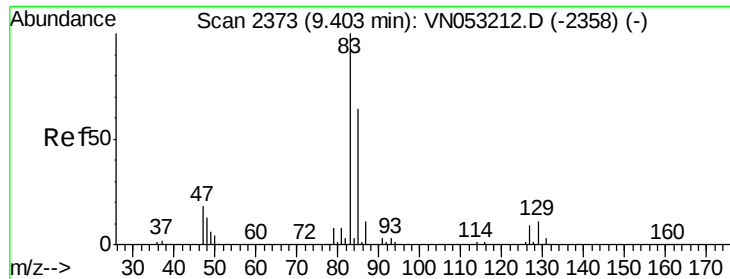
Tot Ion: 63 Resp: 166222
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.6 35.4



#40
 Dibromomethane
 Concen: 20.090 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion: 93 Resp: 98533
 Ion Ratio Lower Upper
 93 100
 95 84.8 0.0 168.4
 174 117.5 0.0 210.0





#41

Bromodichloromethane

Concen: 19.388 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

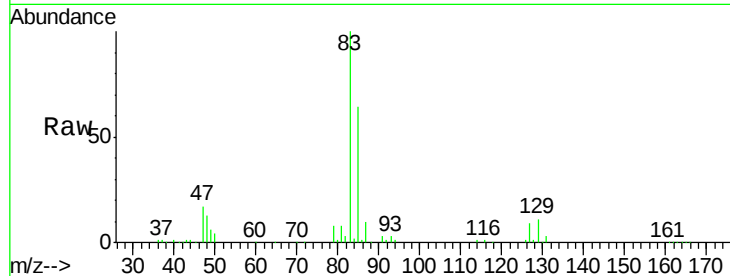
Tot Ion: 83 Resp: 204204

Ion Ratio Lower Upper

83 100

85 63.8 52.4 78.6

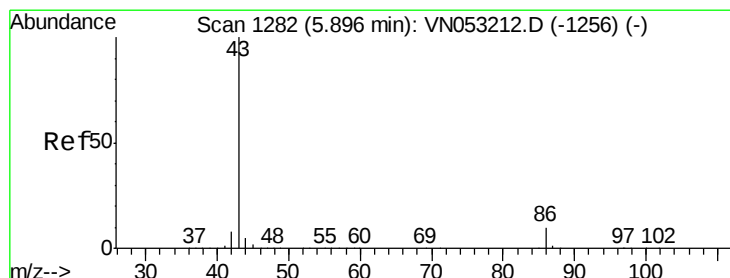
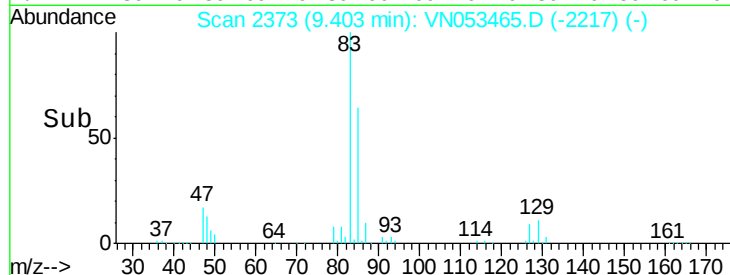
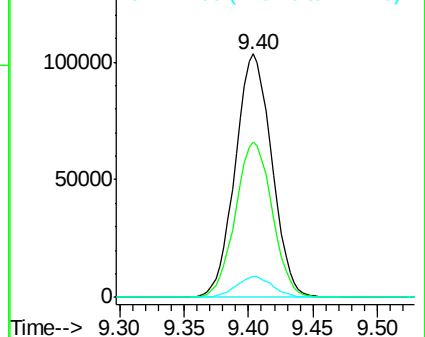
127 8.5 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 99.920 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN053465.D

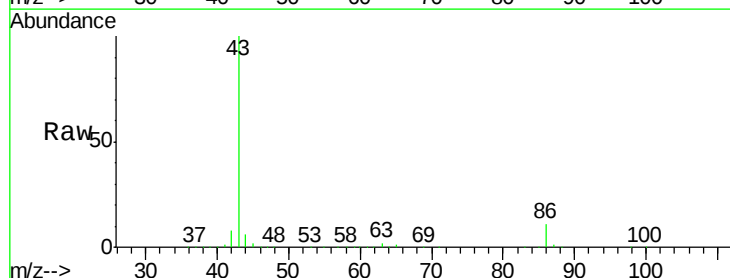
Acq: 18 Jan 2019 11:47

Tgt Ion: 43 Resp: 1502955

Ion Ratio Lower Upper

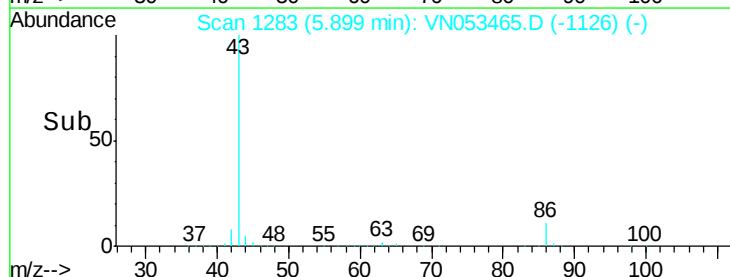
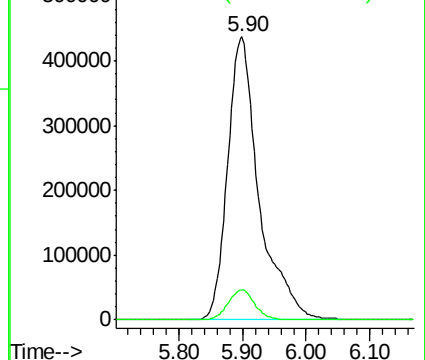
43 100

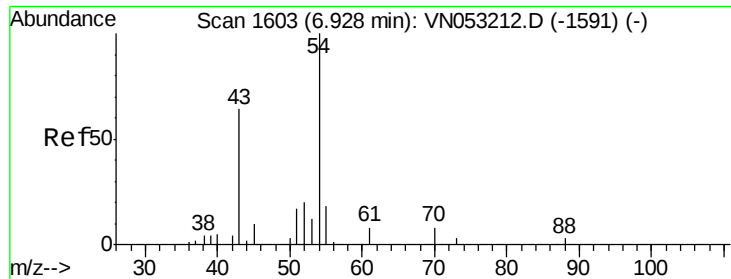
86 9.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

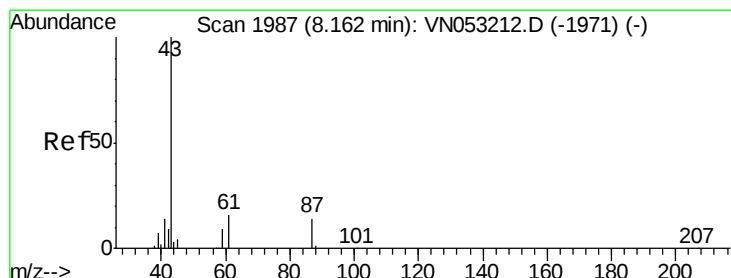
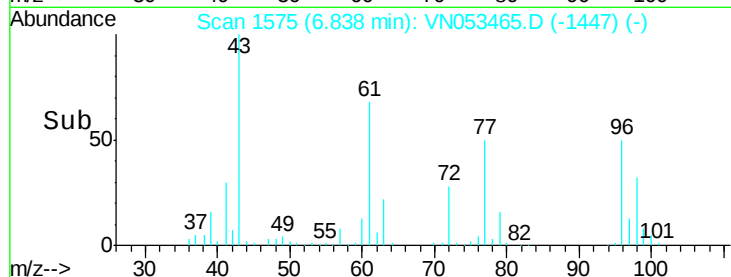
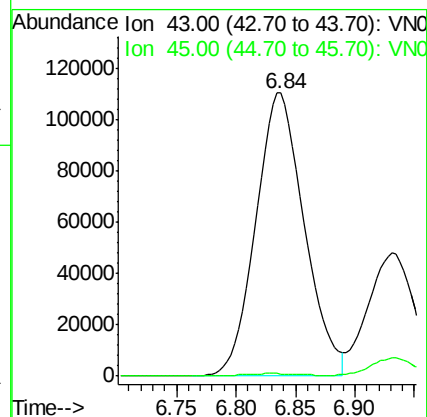
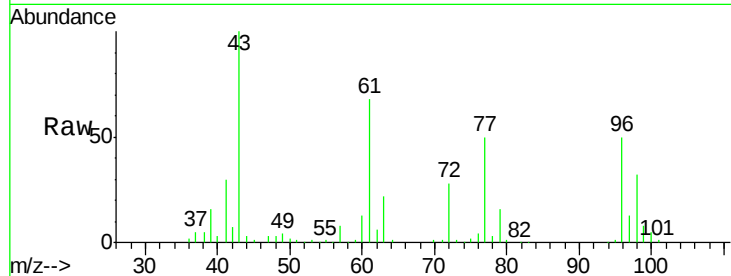




#43
Ethyl Acetate
Concen: 50.406 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.09 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

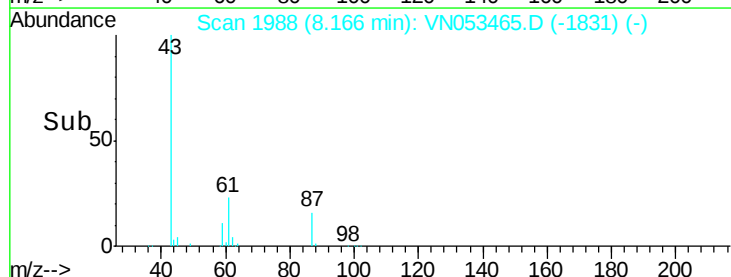
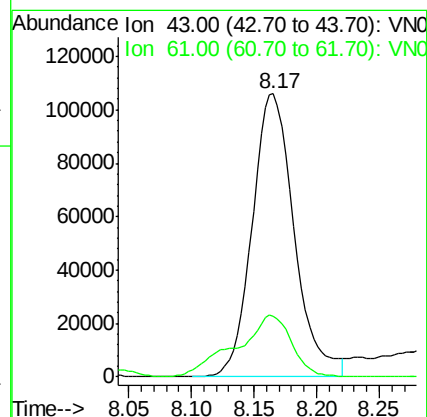
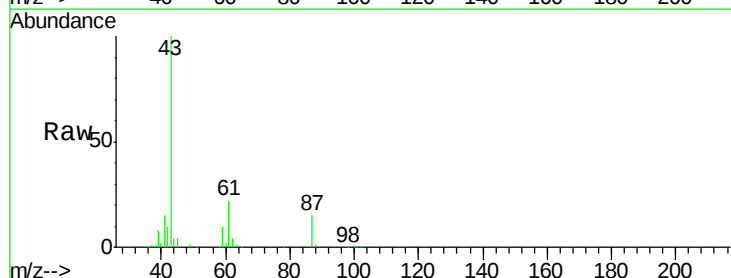
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

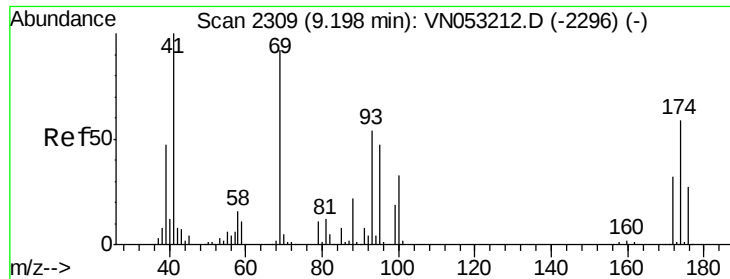
Tot Ion: 43 Resp: 310359
Ion Ratio Lower Upper
43 100
45 1.1 1.0 1.6



#44
Isopropyl Acetate
Concen: 21.443 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion: 43 Resp: 245939
Ion Ratio Lower Upper
43 100
61 28.7 16.0 24.0#





#45

1,4-Dioxane

Concen: 392.891 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

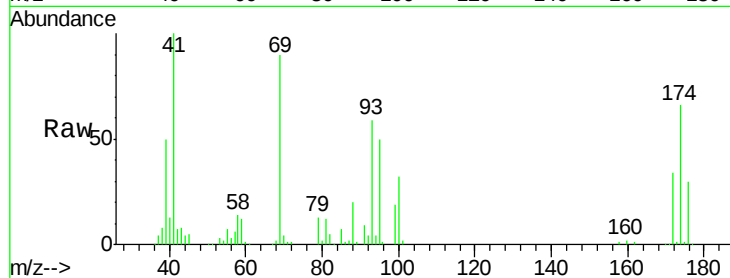
Tot Ion: 88 Resp: 27556

Ion Ratio Lower Upper

88 100

43 30.7 29.5 44.3

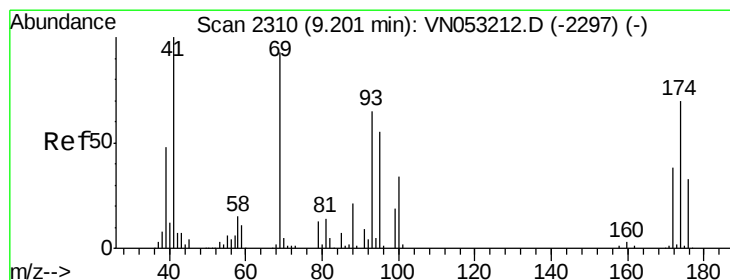
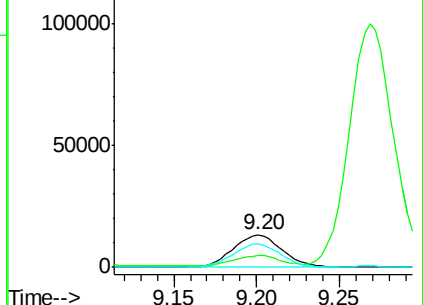
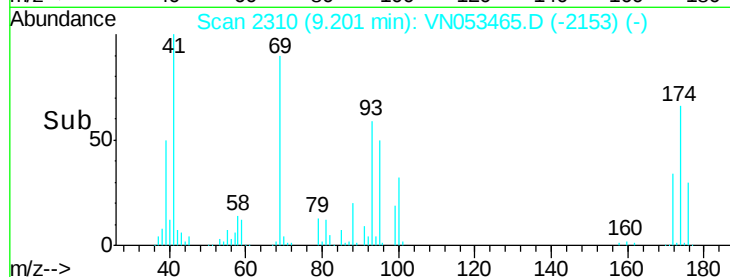
58 70.2 61.5 92.3



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 20.543 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

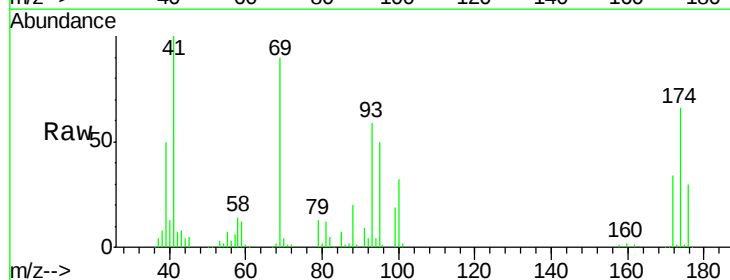
Tgt Ion: 41 Resp: 119031

Ion Ratio Lower Upper

41 100

69 91.1 42.5 127.6

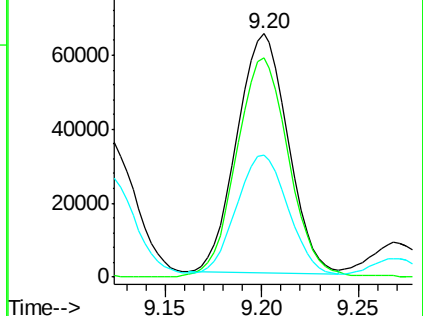
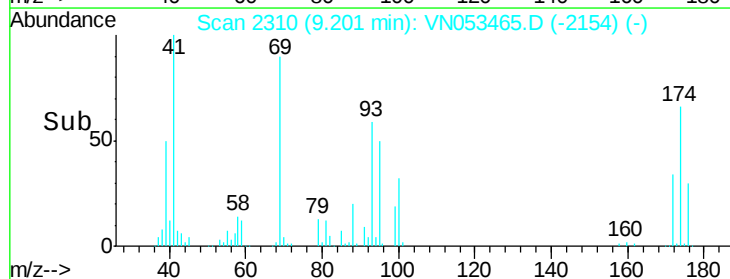
39 49.9 26.3 78.9

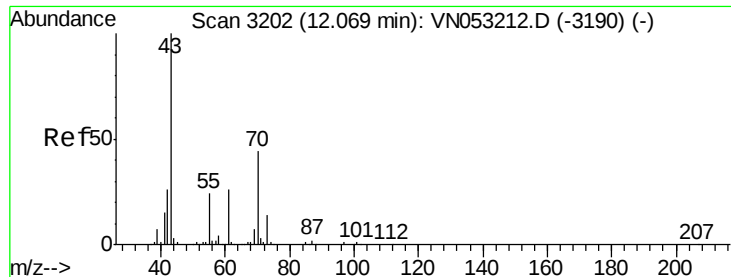


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 20.706 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

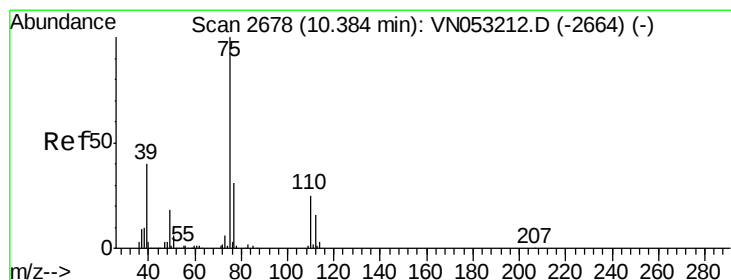
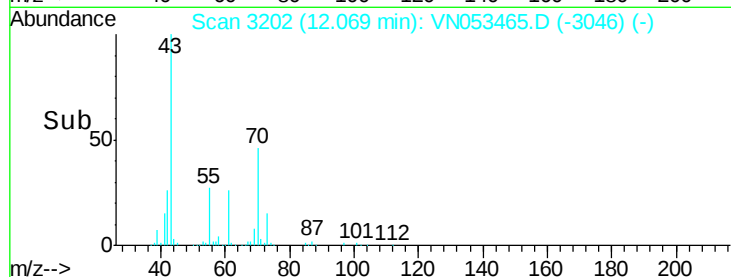
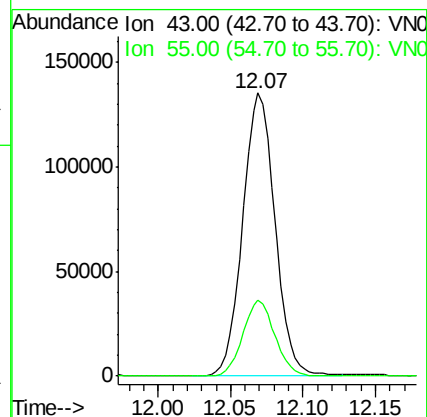
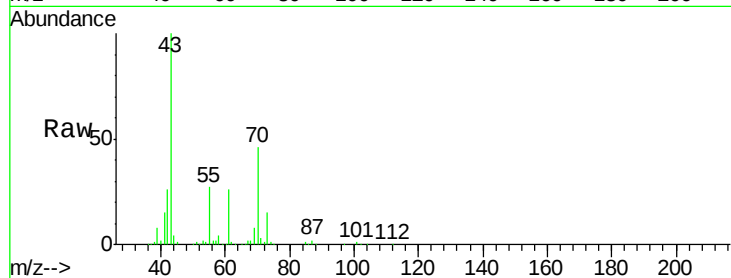
VN0118WBSD01

Tot Ion: 43 Resp: 208566

Ion Ratio Lower Upper

43 100

55 26.6 21.1 31.7



#48

t-1,3-Dichloropropene

Concen: 19.206 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053465.D

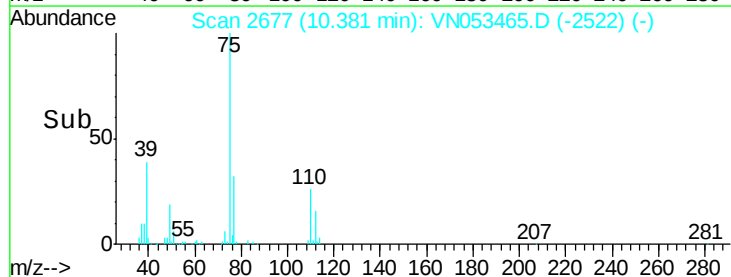
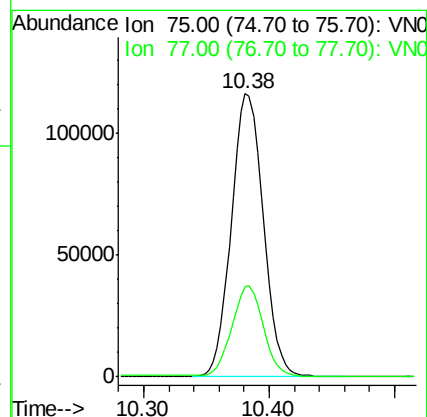
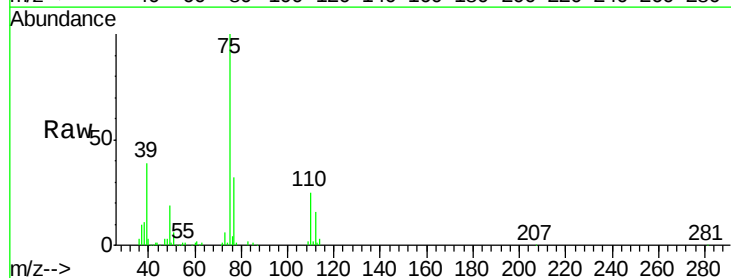
Acq: 18 Jan 2019 11:47

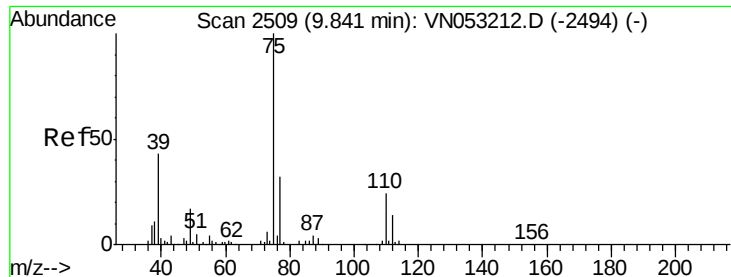
Tgt Ion: 75 Resp: 206464

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4



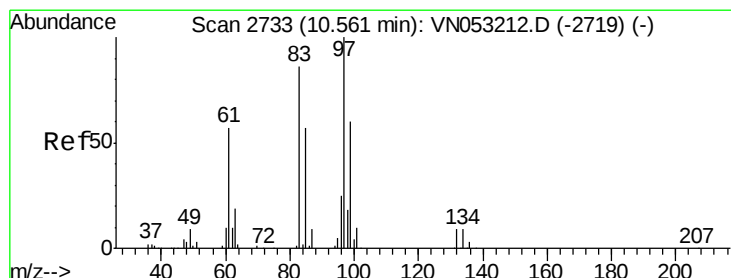
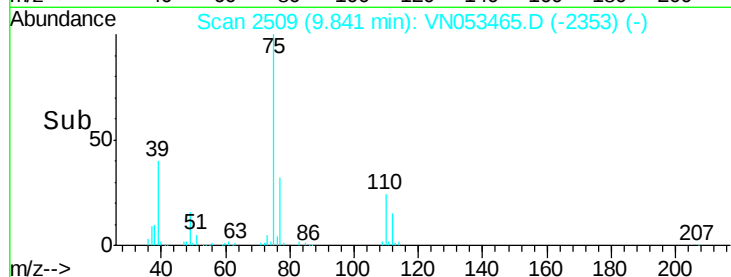
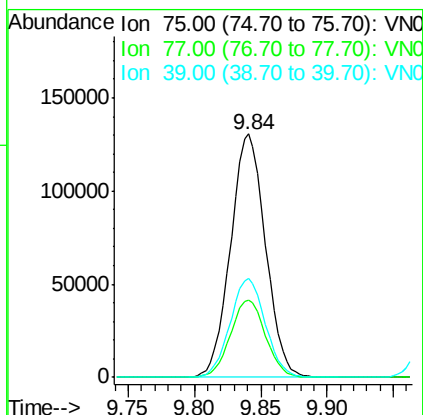
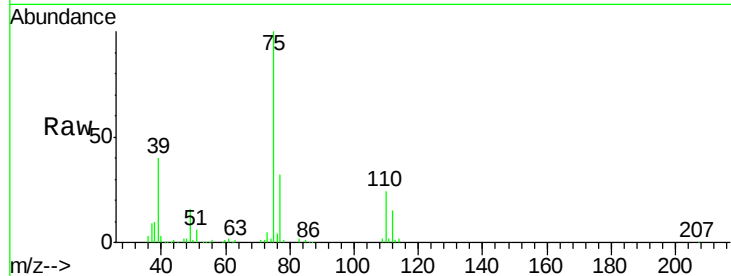


#49

cis-1,3-Dichloropropene
 Concen: 18.886 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

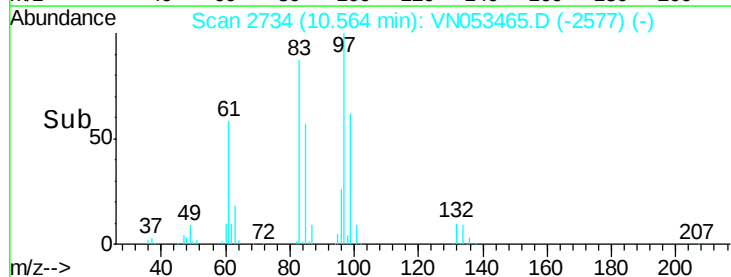
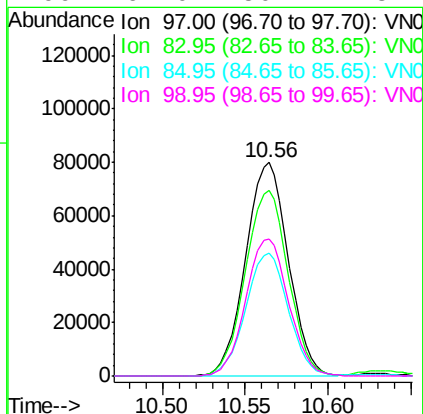
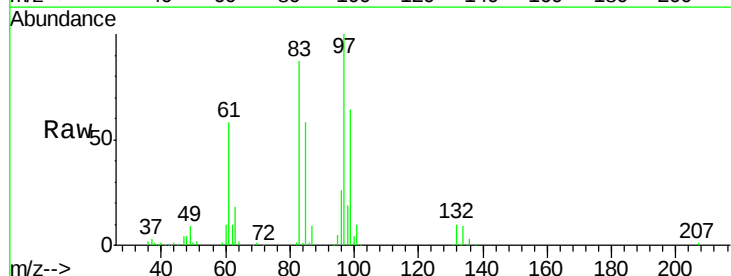
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	40.3	37.3	55.9

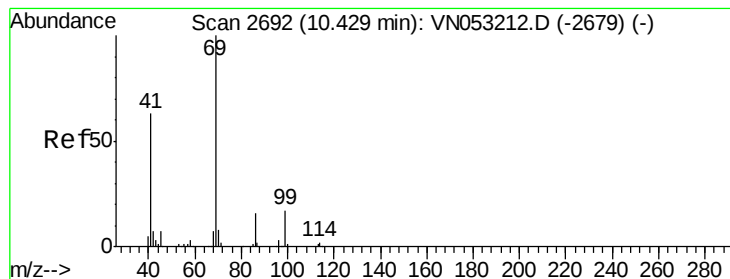


#50

1,1,2-Trichloroethane
 Concen: 20.392 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.4	105.6
85	57.6	45.0	67.6
99	64.0	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.348 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0118WBSD01

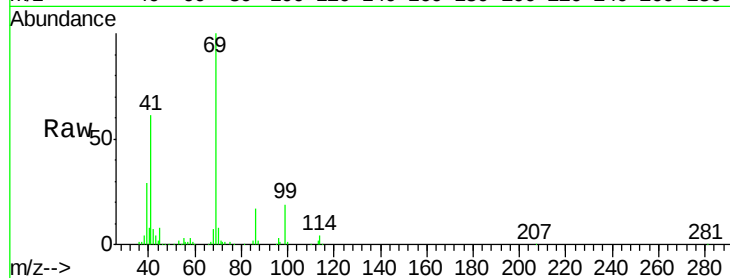
Tot Ion: 69 Resp: 186491

Ion Ratio Lower Upper

69 100

41 60.5 34.4 103.3

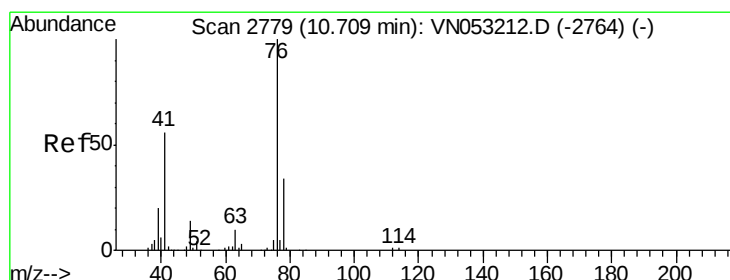
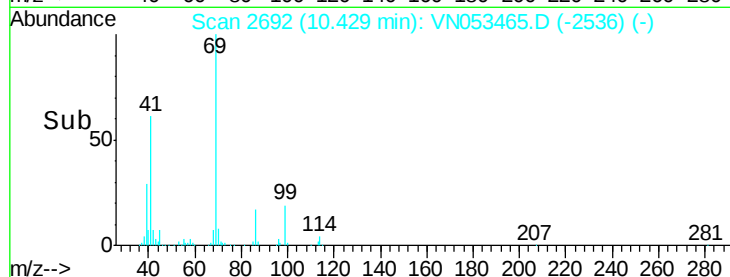
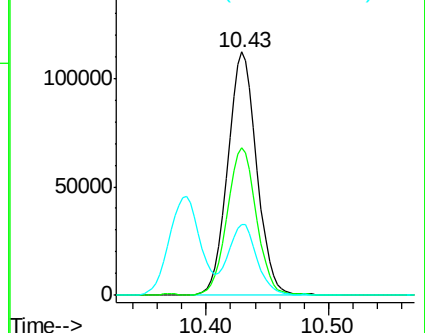
39 28.9 16.4 49.2



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: 19.982 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053465.D

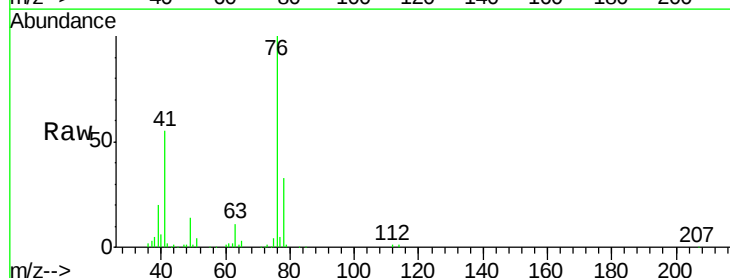
Acq: 18 Jan 2019 11:47

Tgt Ion: 76 Resp: 242059

Ion Ratio Lower Upper

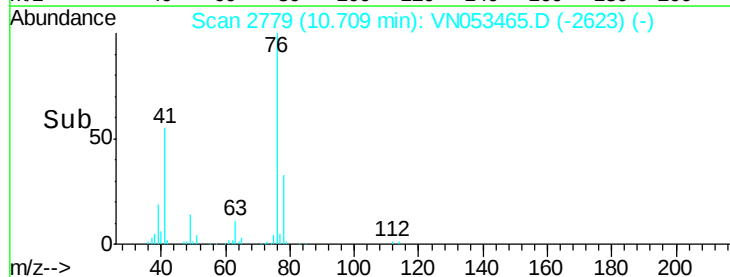
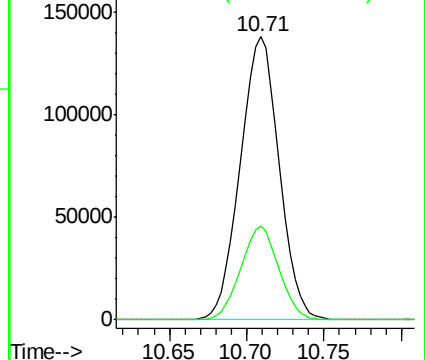
76 100

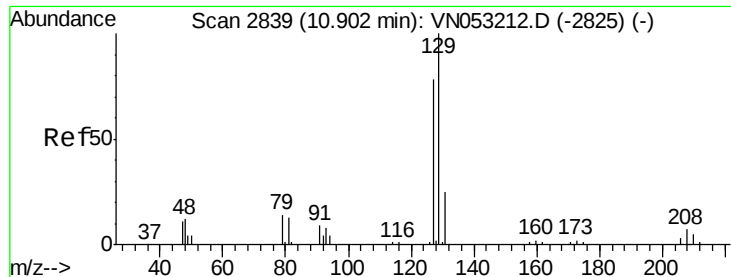
78 32.4 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.841 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

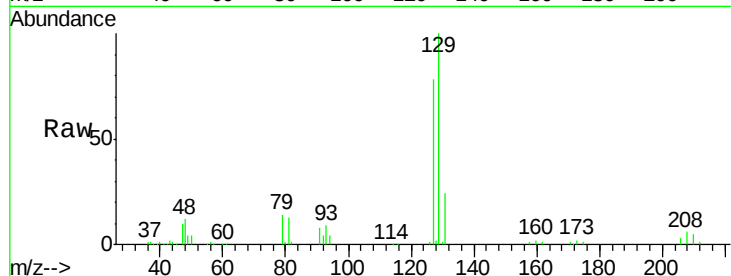
VN0118WBSD01

Tot Ion:129 Resp: 156710

Ion Ratio Lower Upper

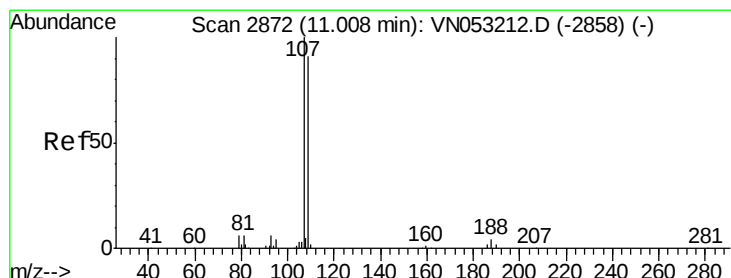
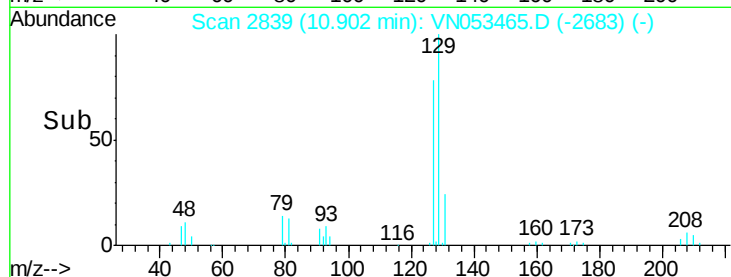
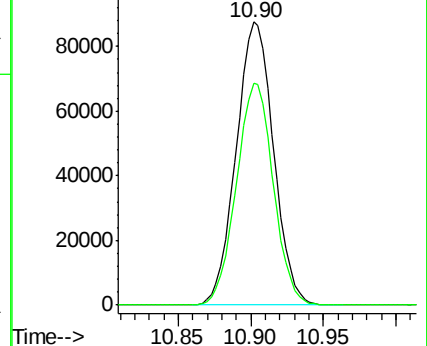
129 100

127 77.3 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.289 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053465.D

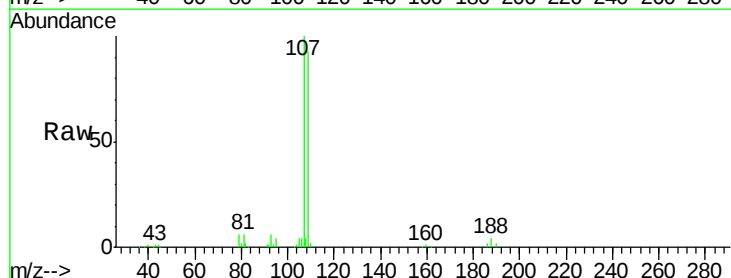
Acq: 18 Jan 2019 11:47

Tgt Ion:107 Resp: 143932

Ion Ratio Lower Upper

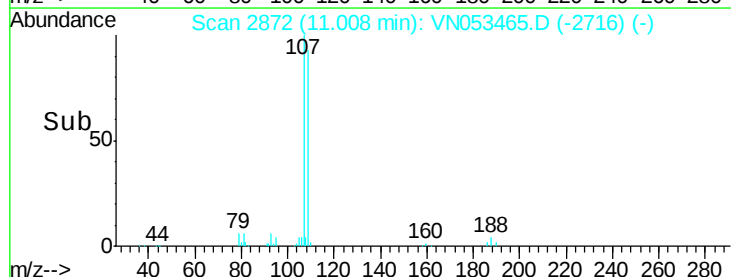
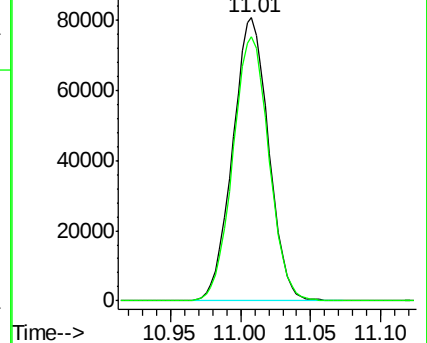
107 100

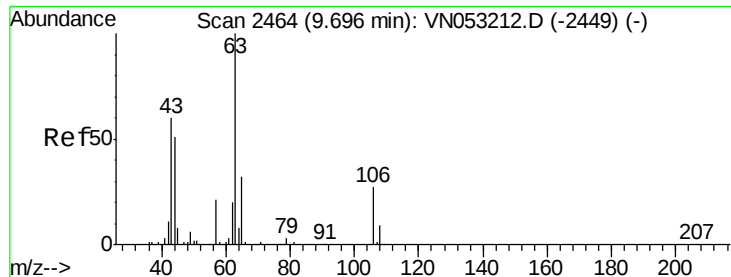
109 93.7 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 100.215 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

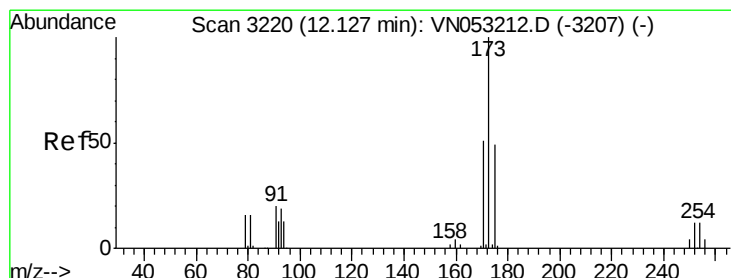
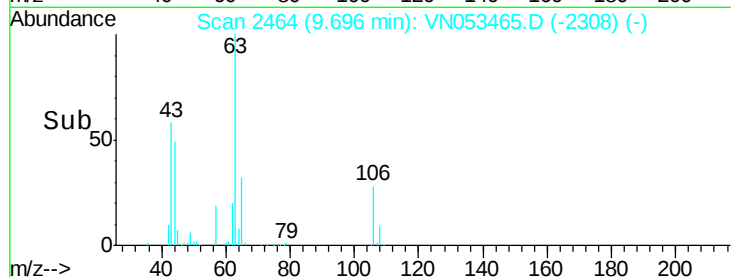
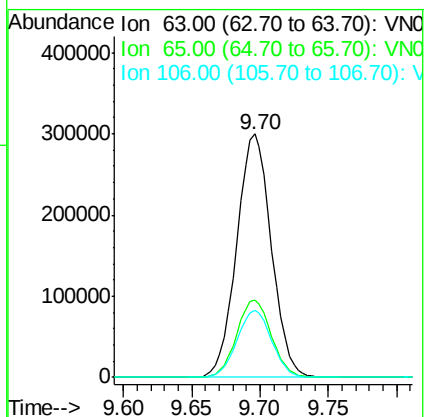
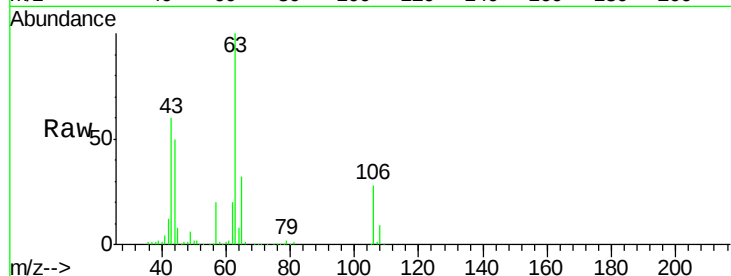
Tot Ion: 63 Resp: 527107

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.2

106 27.6 20.4 30.6



#56

Bromoform

Concen: 20.679 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

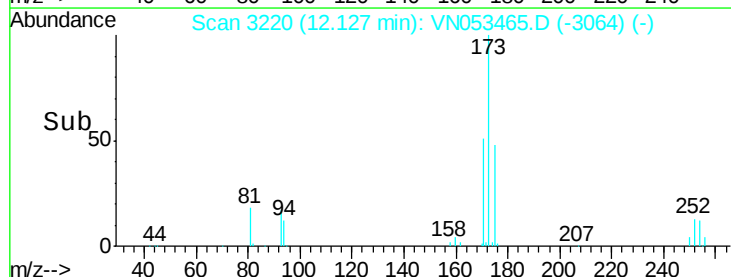
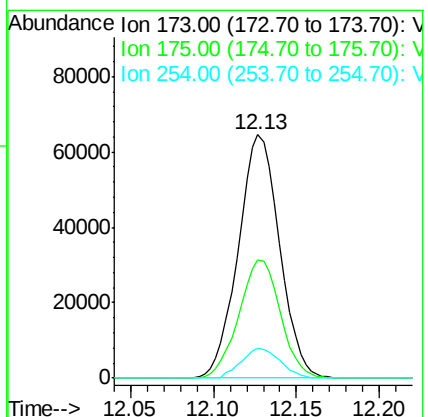
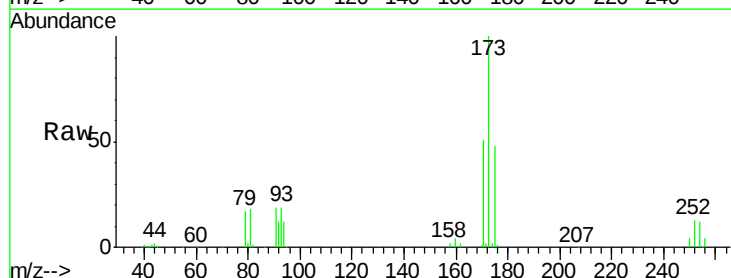
Tgt Ion: 173 Resp: 111730

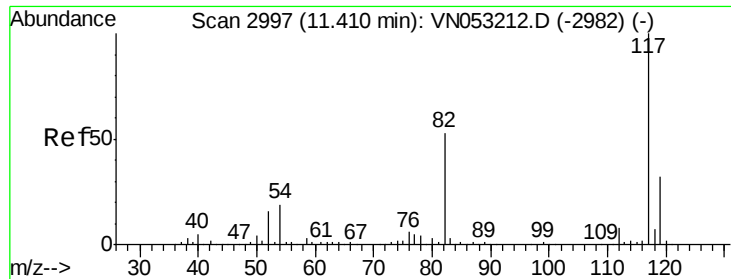
Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

254 11.6 8.4 12.6

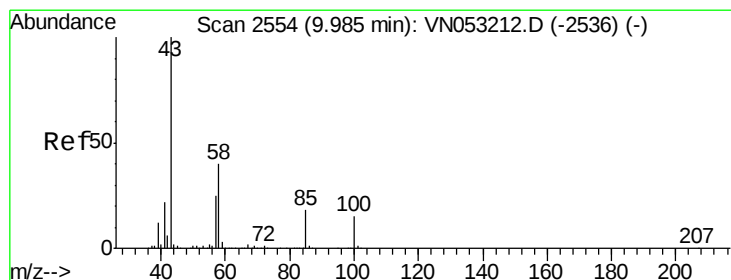
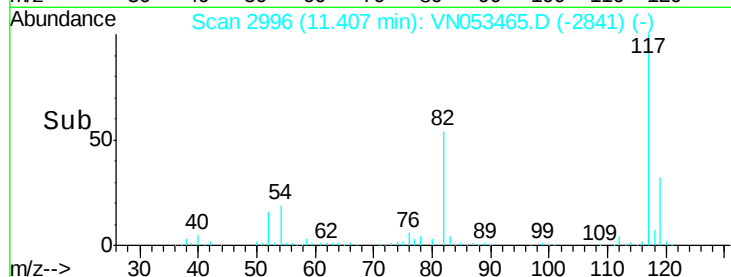
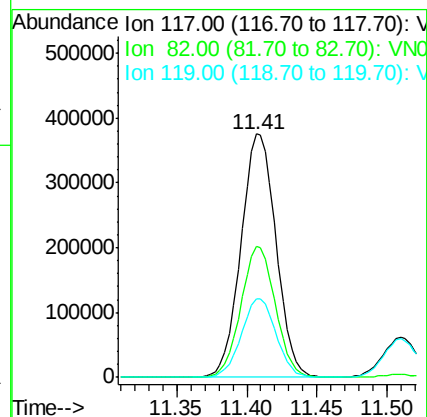
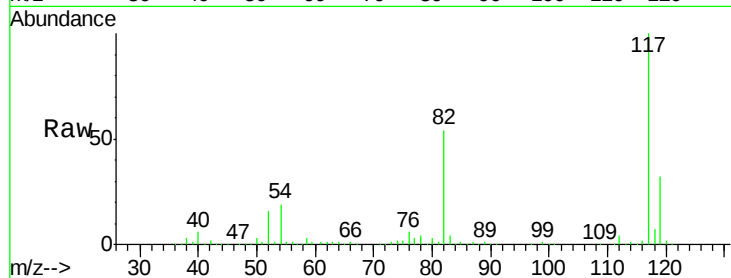




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

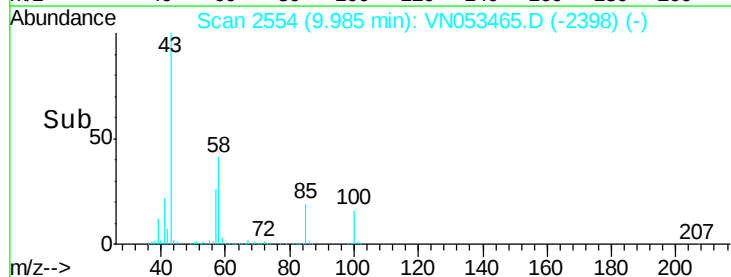
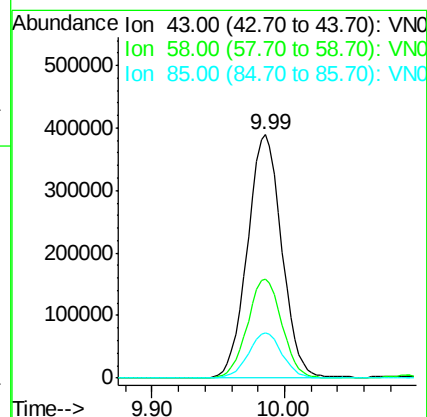
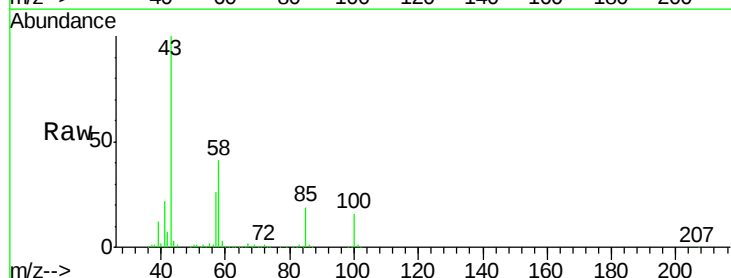
Instrument :
MSVOA_N
ClientSampled :
VN0118WBSD01

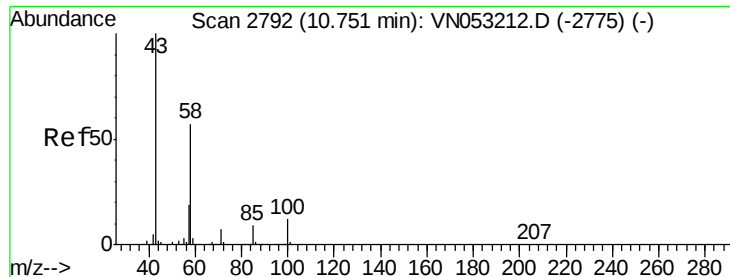
Tot Ion:117 Resp: 654490
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.2
119 32.0 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 111.926 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion: 43 Resp: 698041
Ion Ratio Lower Upper
43 100
58 41.1 31.6 47.4
85 18.5 13.3 19.9

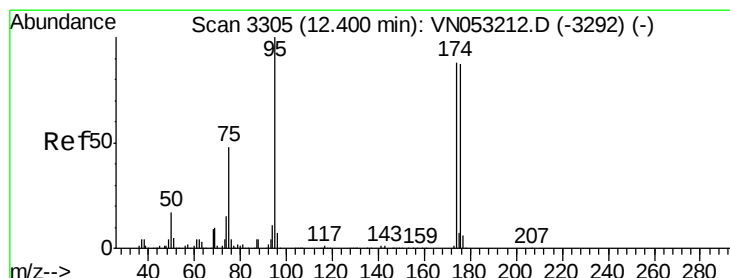
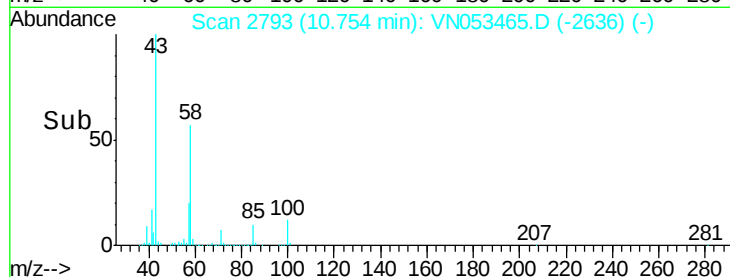
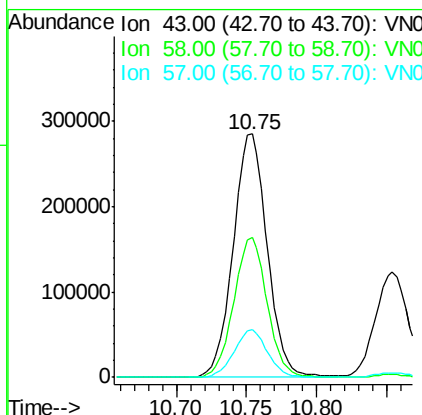
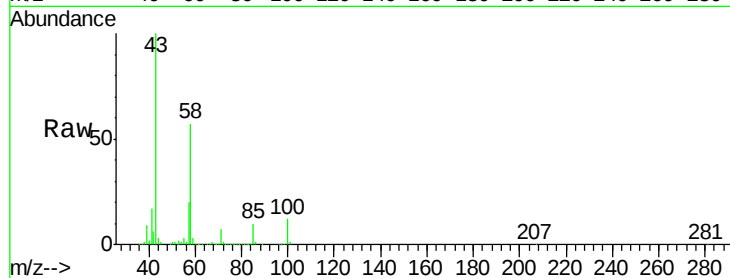




#59
2-Hexanone
Concen: 111.629 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

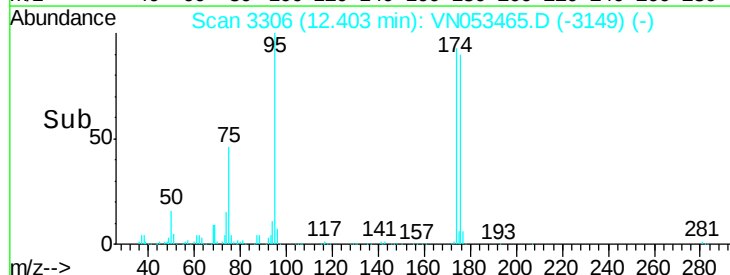
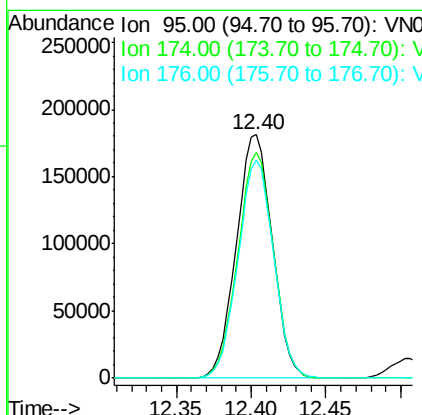
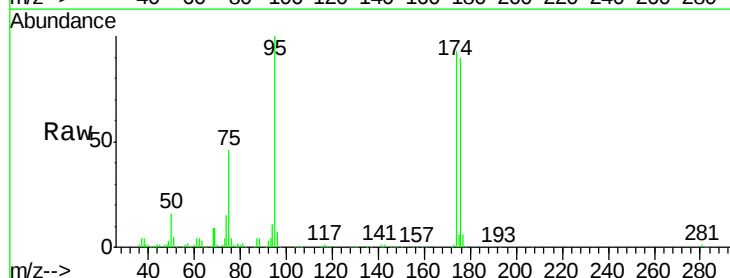
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

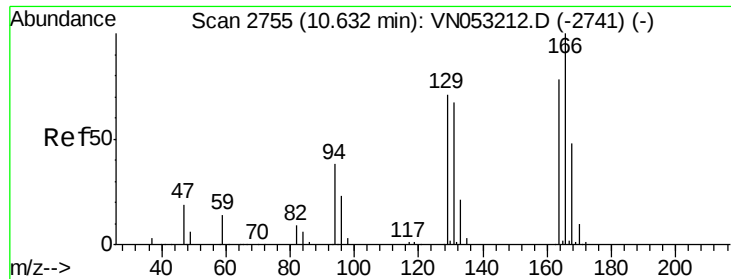
Tot Ion: 43 Resp: 480624
Ion Ratio Lower Upper
43 100
58 56.5 43.2 64.8
57 19.2 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 111.629 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion: 95 Resp: 303589
Ion Ratio Lower Upper
95 100
174 92.1 67.9 101.9
176 88.6 66.4 99.6

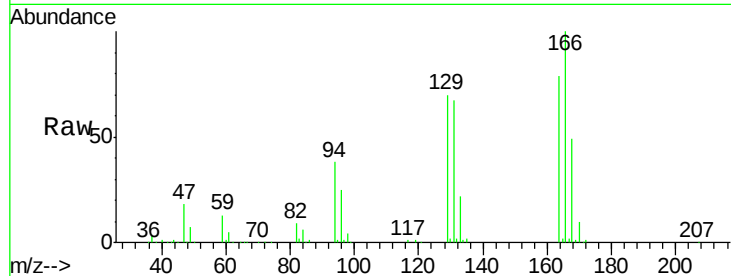




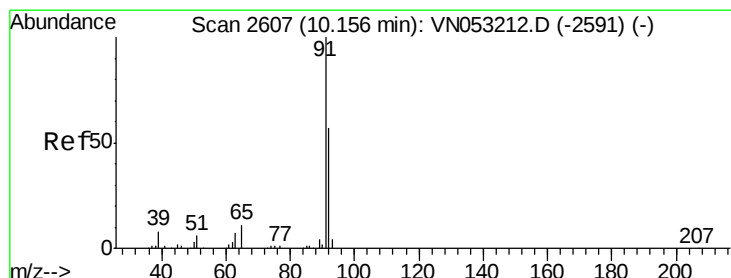
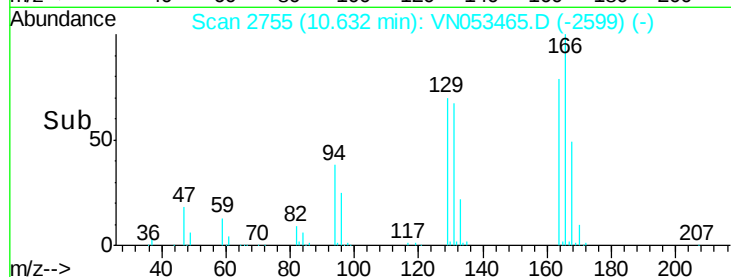
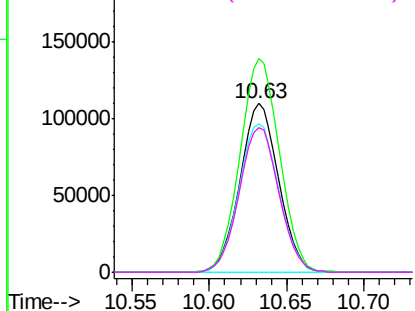
#61
Tetrachloroethene
Concen: 19.672 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

Tot Ion:164 Resp: 190262
Ion Ratio Lower Upper
164 100
166 126.6 104.6 157.0
129 88.3 75.3 112.9
131 85.4 74.3 111.5

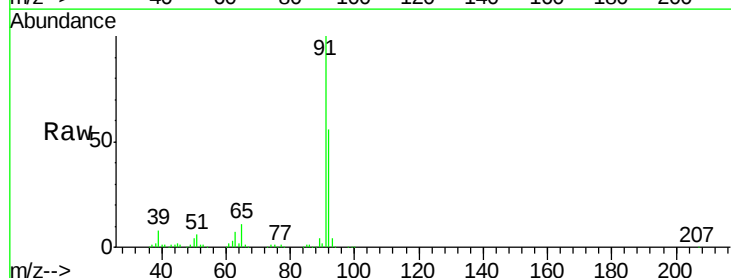


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

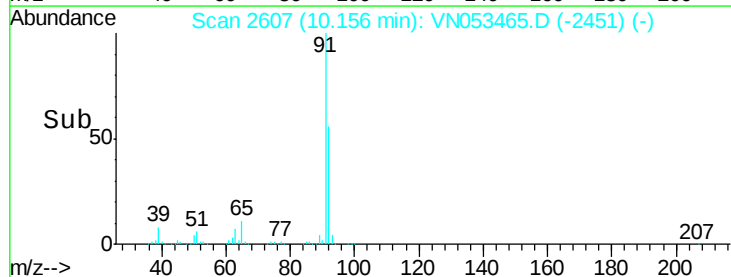
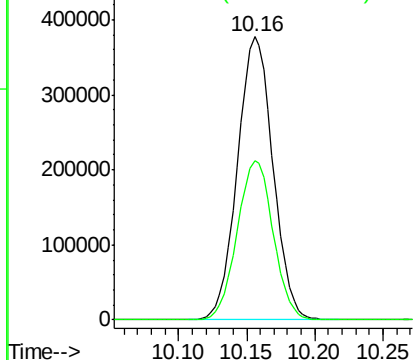


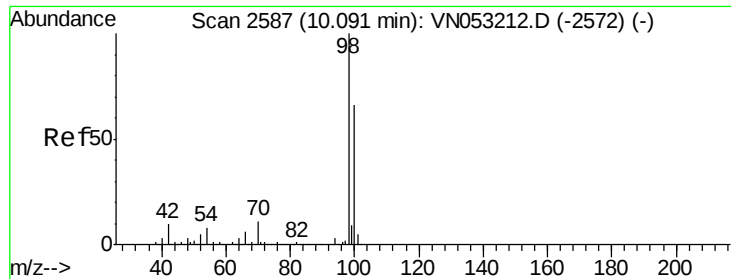
#62
Toluene
Concen: 19.018 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion: 91 Resp: 682639
Ion Ratio Lower Upper
91 100
92 56.9 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: 19.018 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

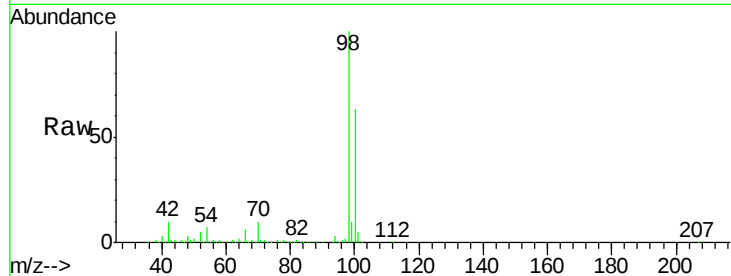
VN0118WBSD01

Tot Ion: 98 Resp: 883664

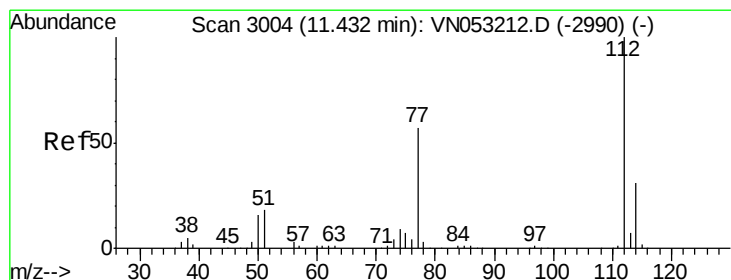
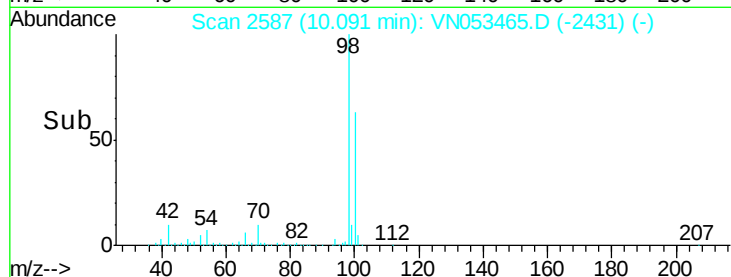
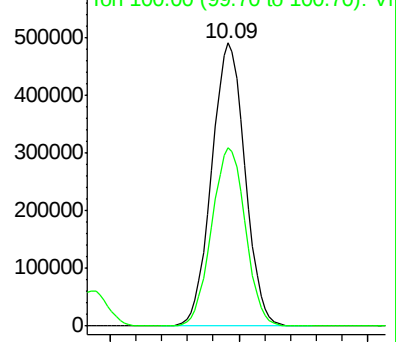
Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN053212.D (-2572) (-)



#64

Chlorobenzene

Concen: 19.036 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053465.D

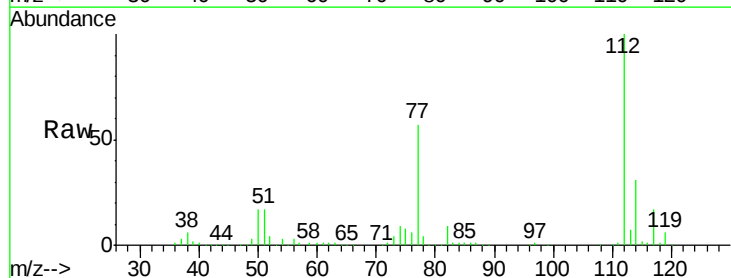
Acq: 18 Jan 2019 11:47

Tgt Ion: 112 Resp: 428766

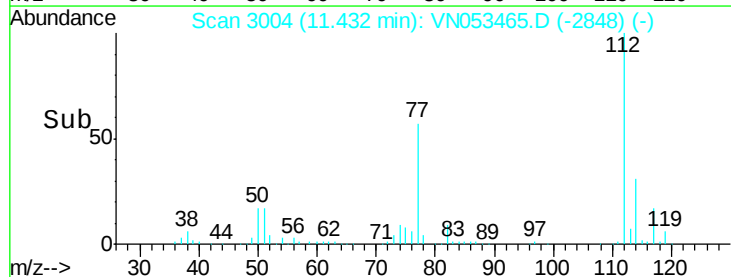
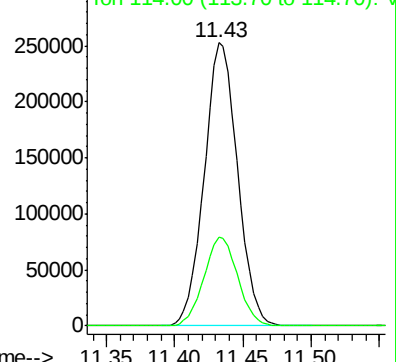
Ion Ratio Lower Upper

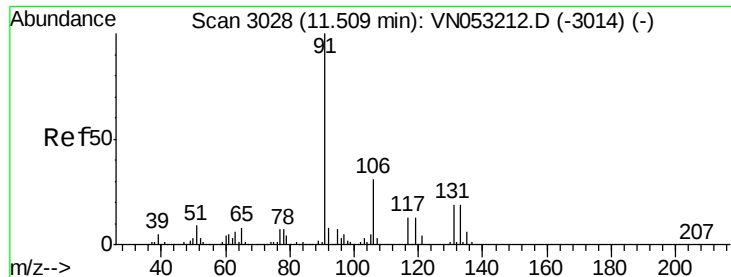
112 100

114 31.2 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN053212.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.402 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

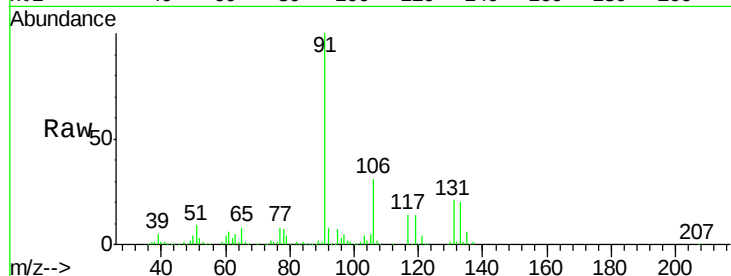
Tot Ion:131 Resp: 153303

Ion Ratio Lower Upper

131 100

133 95.7 0.0 193.4

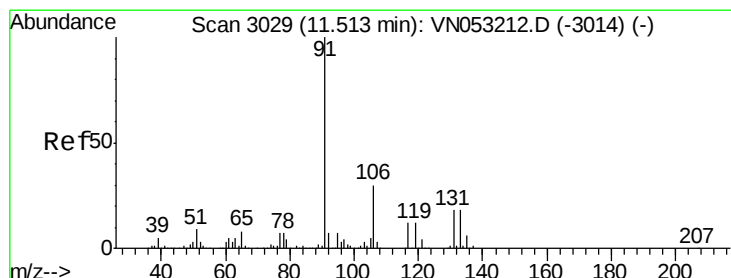
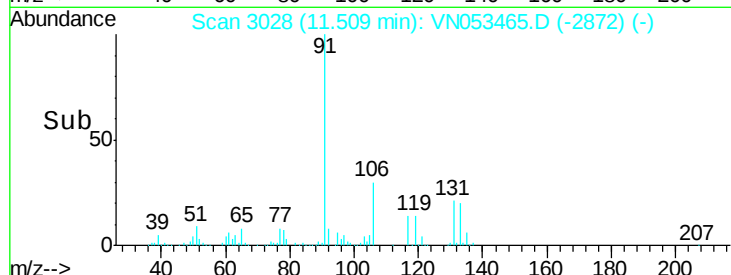
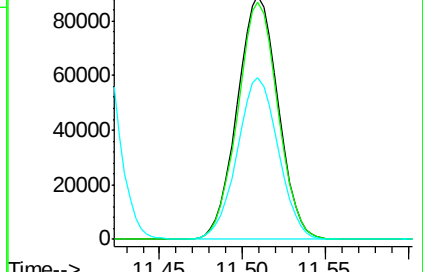
119 66.6 0.0 133.0



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: 18.688 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053465.D

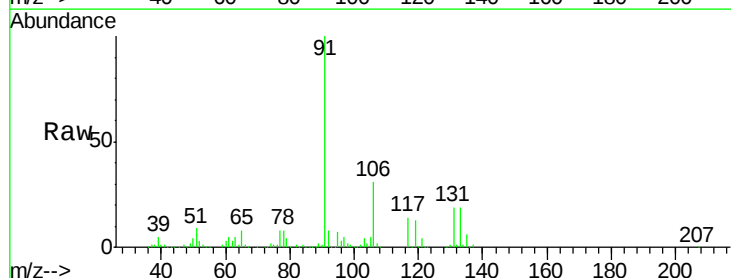
Acq: 18 Jan 2019 11:47

Tgt Ion: 91 Resp: 727437

Ion Ratio Lower Upper

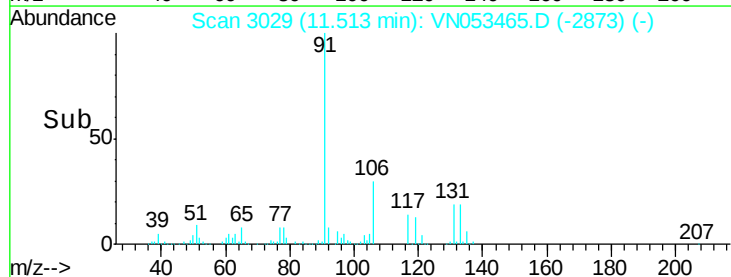
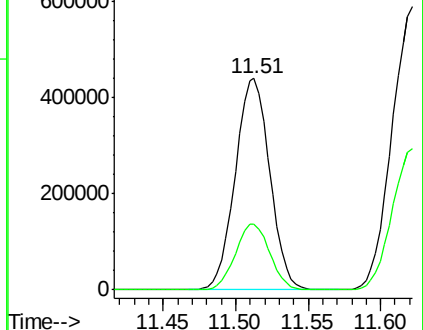
91 100

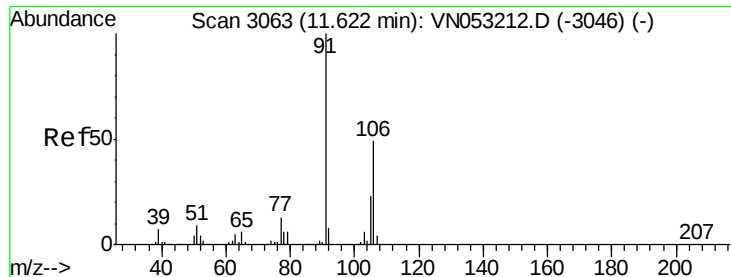
106 31.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

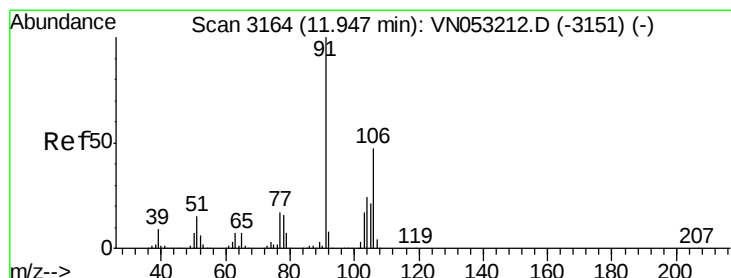
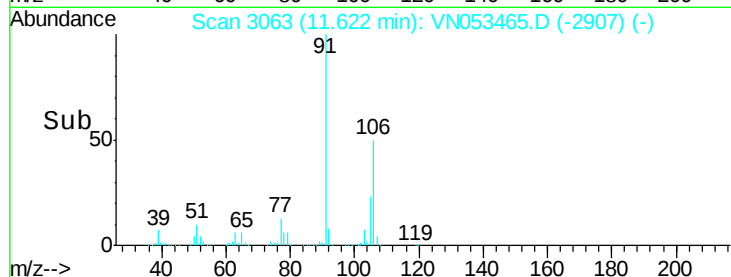
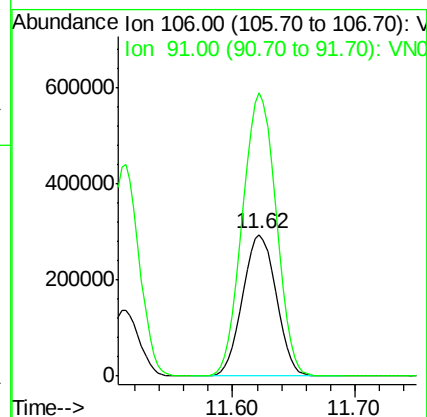
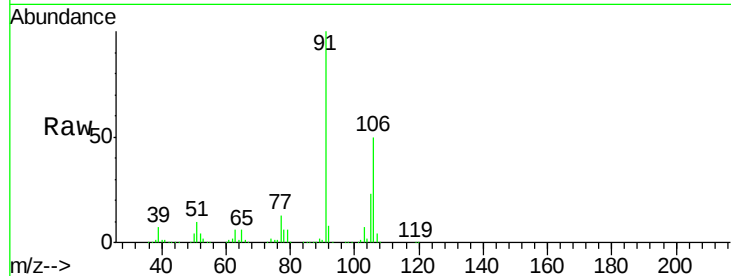




#67
m/p-Xylenes
Concen: 38.002 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

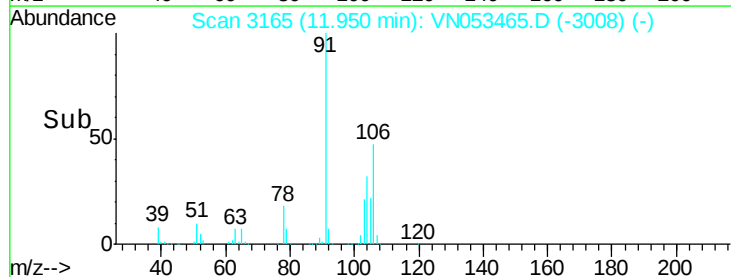
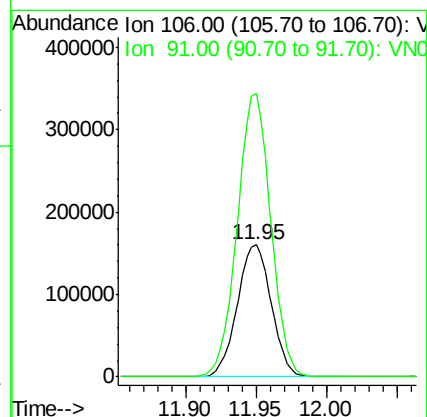
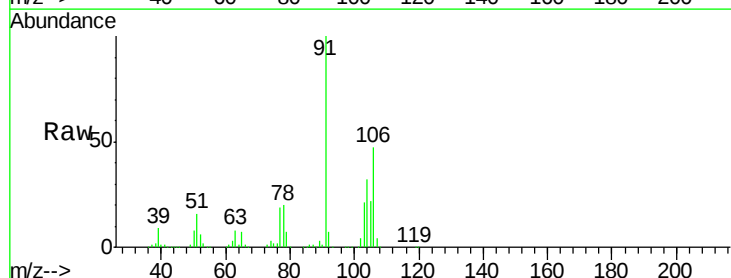
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

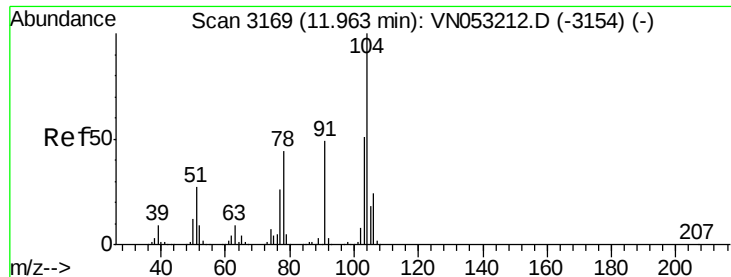
Tot Ion:106 Resp: 559456
Ion Ratio Lower Upper
106 100
91 200.5 163.9 245.9



#68
o-Xylene
Concen: 19.001 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion:106 Resp: 271062
Ion Ratio Lower Upper
106 100
91 211.5 107.8 323.4

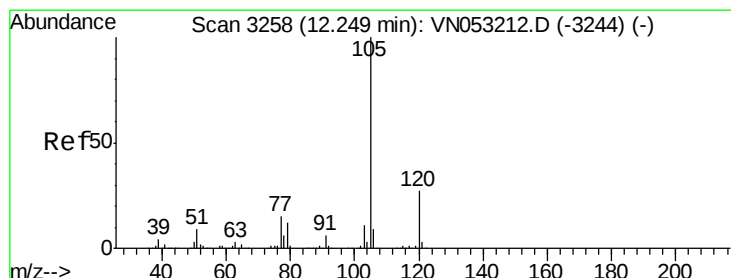
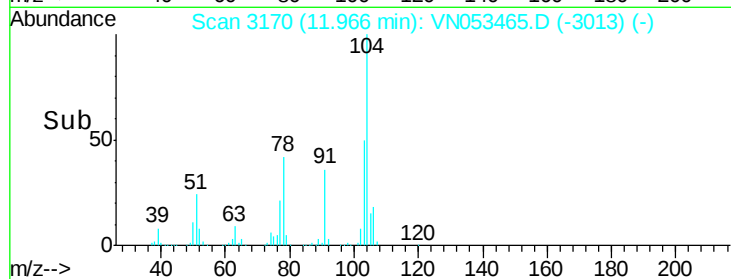
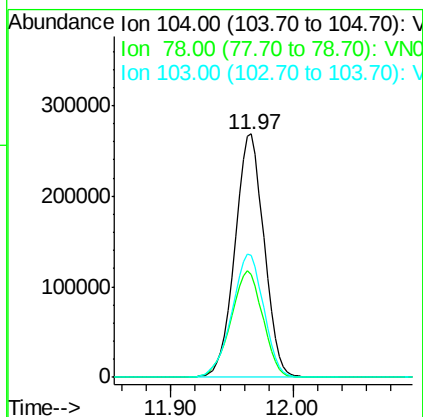
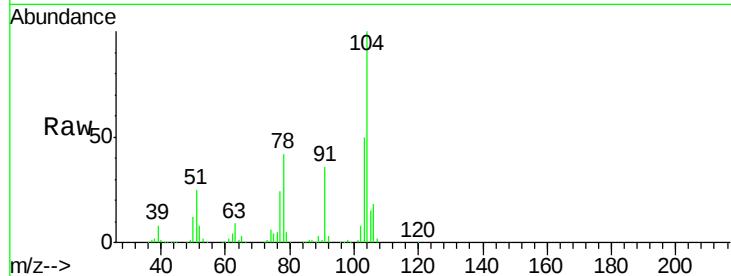




#69
Stvrene
Concen: 19.108 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

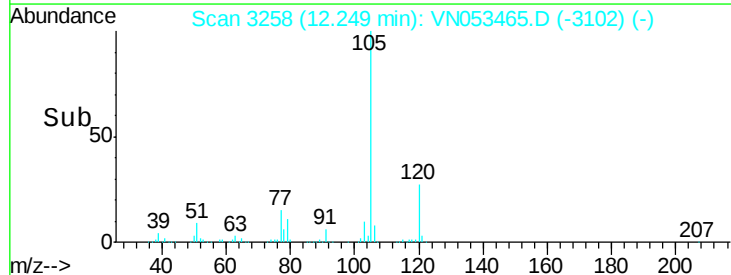
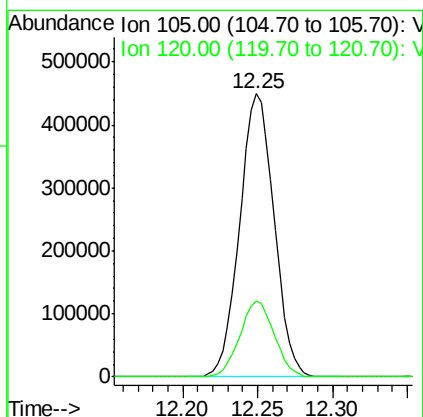
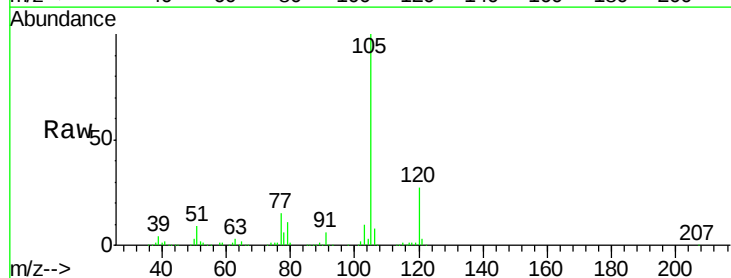
Instrument :
MSVOA_N
ClientSampled :
VN0118WBSD01

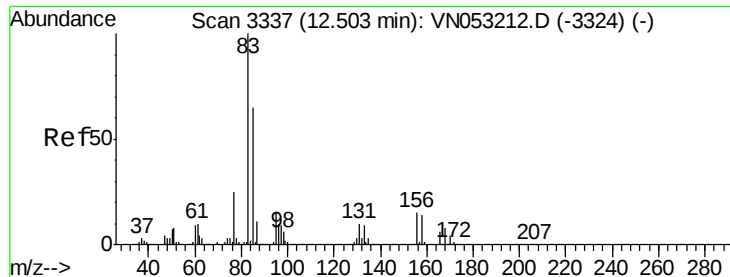
Tot Ion:104 Resp: 444949
Ion Ratio Lower Upper
104 100
78 48.1 39.3 58.9
103 55.3 44.6 66.8



#70
Isopropylbenzene
Concen: 19.158 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion:105 Resp: 719080
Ion Ratio Lower Upper
105 100
120 26.8 18.6 34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 21.605 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

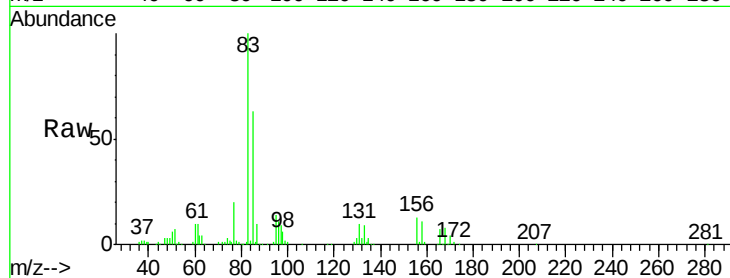
Tot Ion: 83 Resp: 170702

Ion Ratio Lower Upper

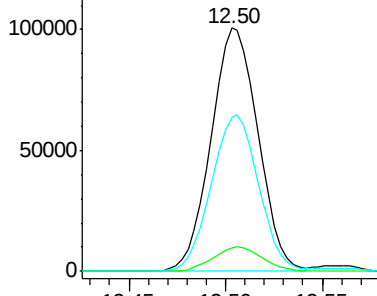
83 100

131 10.5 4.9 14.6

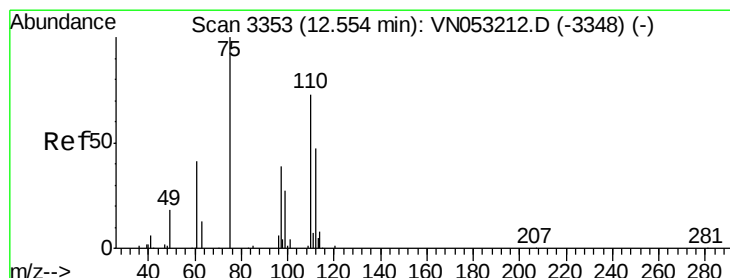
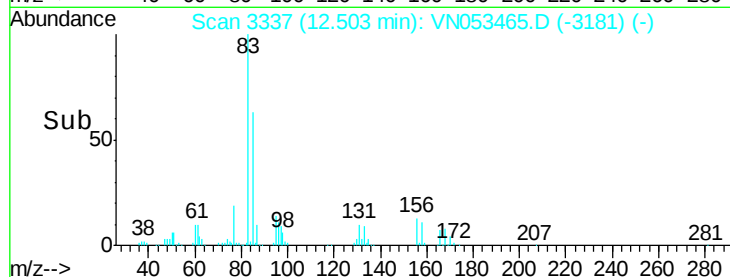
85 64.5 32.2 96.6



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 131.00 (130.70 to 131.70): VNO
Ion 85.00 (84.70 to 85.70): VNO



Time-->



#72

1,2,3-Trichloropropane

Concen: 32.554 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053465.D

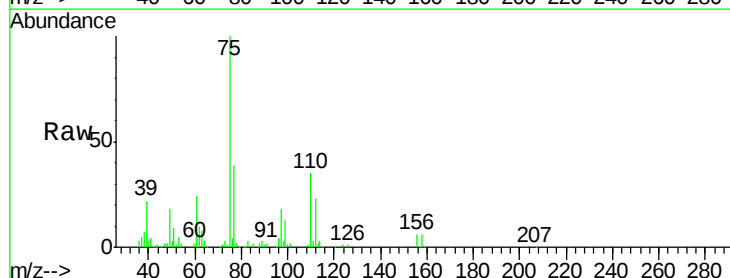
Acq: 18 Jan 2019 11:47

Tgt Ion: 75 Resp: 225245

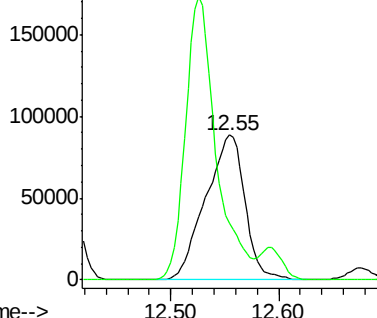
Ion Ratio Lower Upper

75 100

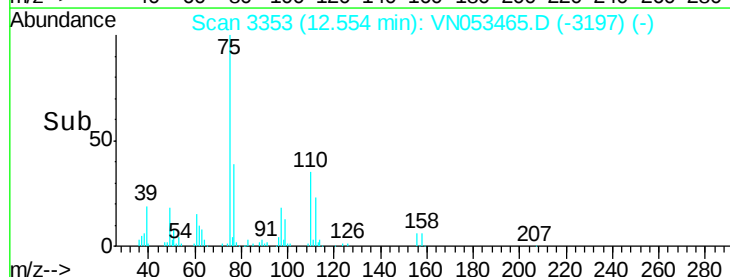
77 151.5 0.0 514.8

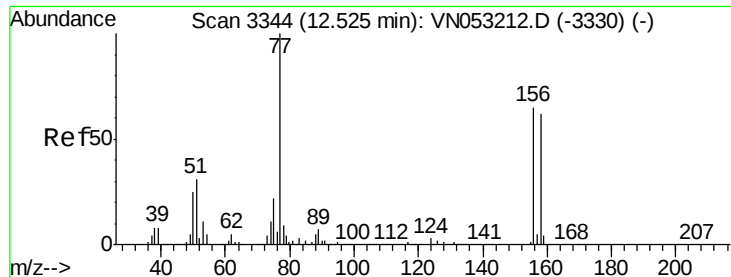


Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO



Time-->





#73

Bromobenzene

Concen: 19.778 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

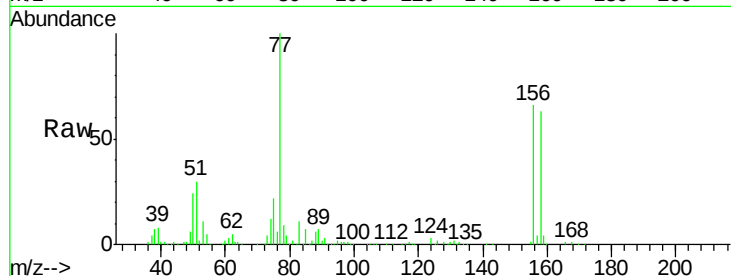
Tot Ion:156 Resp: 190819

Ion Ratio Lower Upper

156 100

77 178.8 0.0 382.6

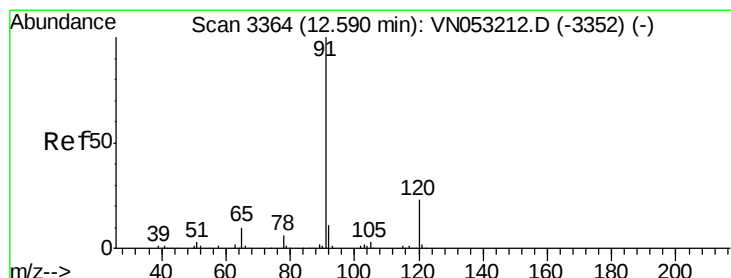
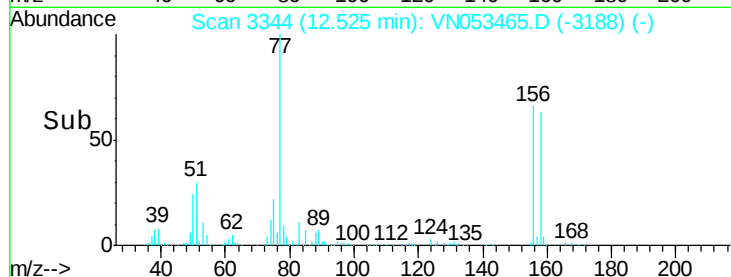
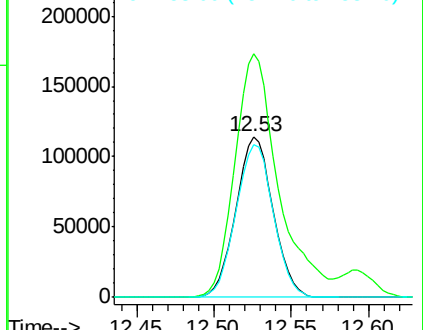
158 95.9 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.391 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053465.D

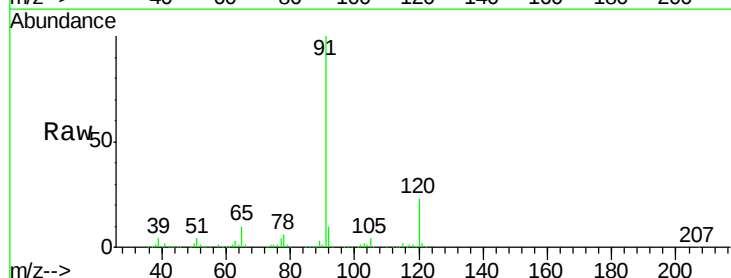
Acq: 18 Jan 2019 11:47

Tgt Ion: 91 Resp: 823896

Ion Ratio Lower Upper

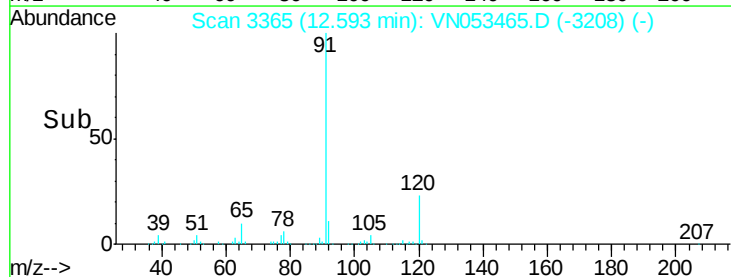
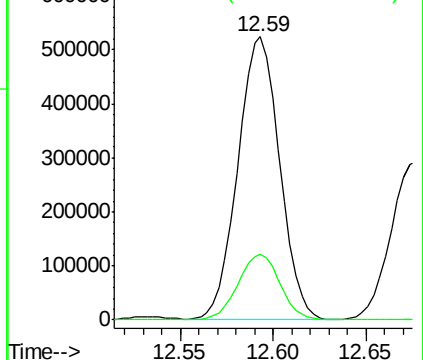
91 100

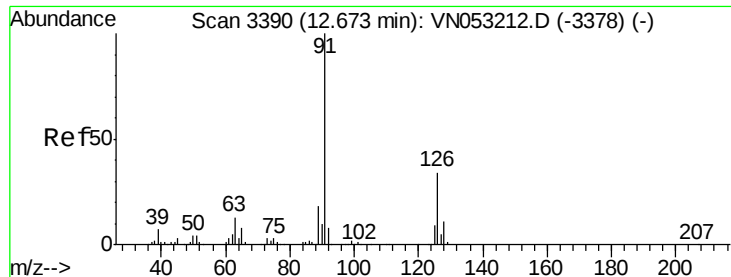
120 23.1 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.478 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

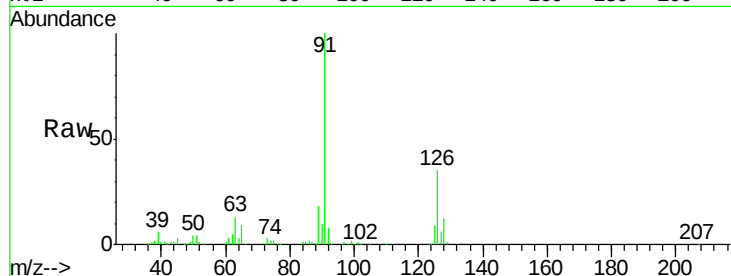
VN0118WBSD01

Tot Ion: 91 Resp: 490130

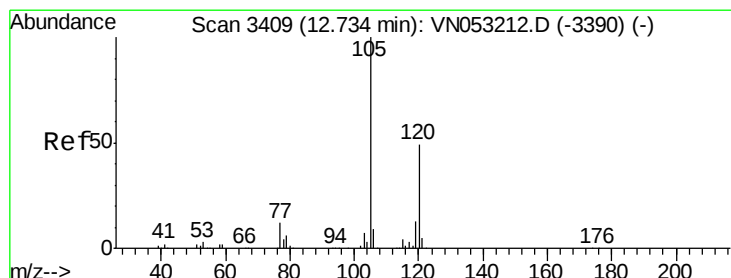
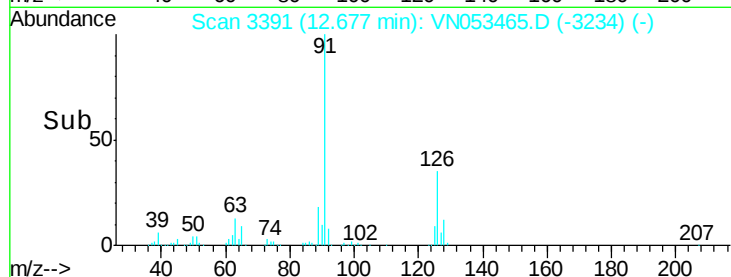
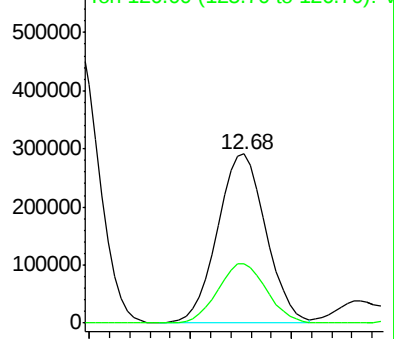
Ion Ratio Lower Upper

91 100

126 35.4 0.0 68.4



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



#76

1,3,5-Trimethylbenzene

Concen: 19.835 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053465.D

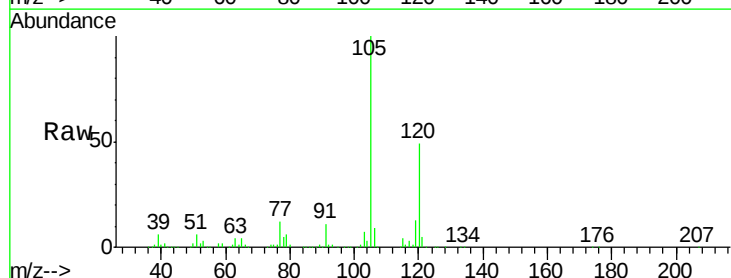
Acq: 18 Jan 2019 11:47

Tgt Ion: 105 Resp: 590554

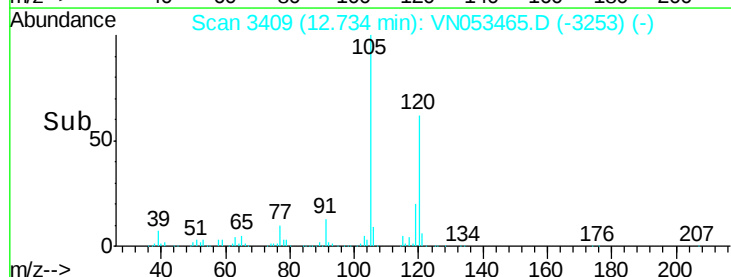
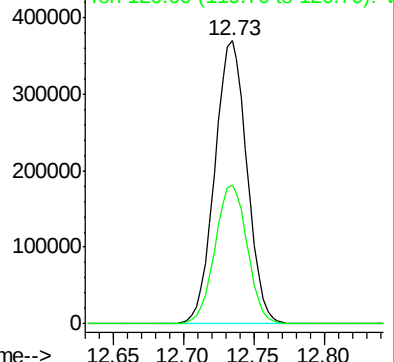
Ion Ratio Lower Upper

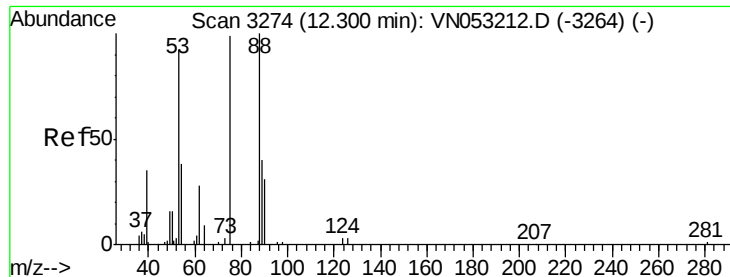
105 100

120 49.3 0.0 97.4



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





#77

t-1,4-Dichloro-2-butene

Concen: 20.217 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBSD01

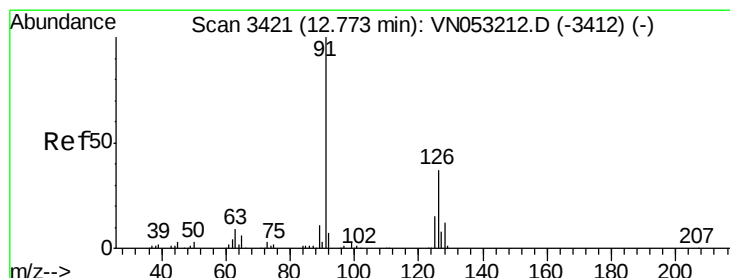
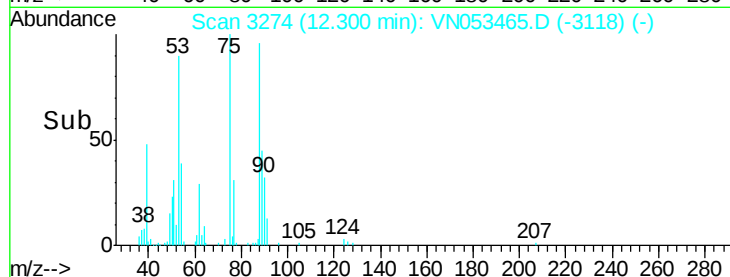
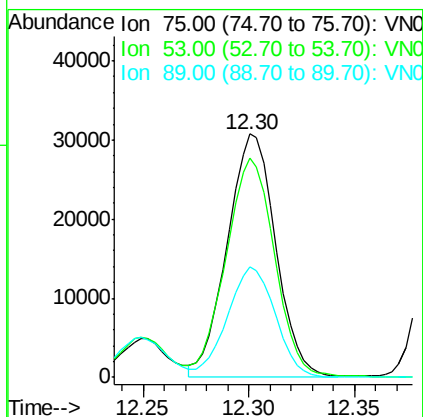
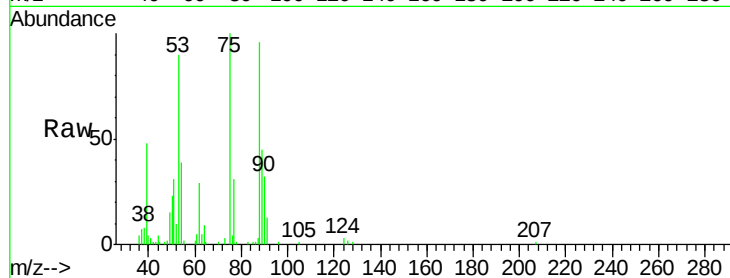
Tot Ion: 75 Resp: 49149

Ion Ratio Lower Upper

75 100

53 89.7 48.5 145.6

89 45.6 21.7 65.1



#78

4-Chlorotoluene

Concen: 19.528 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053465.D

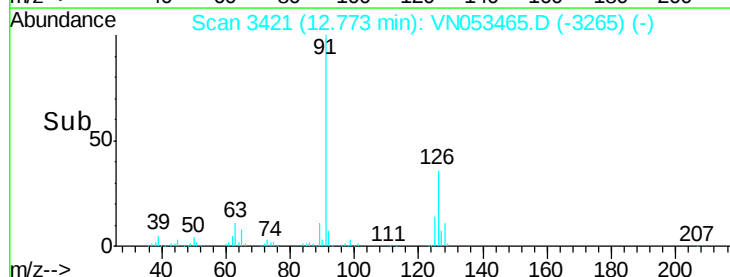
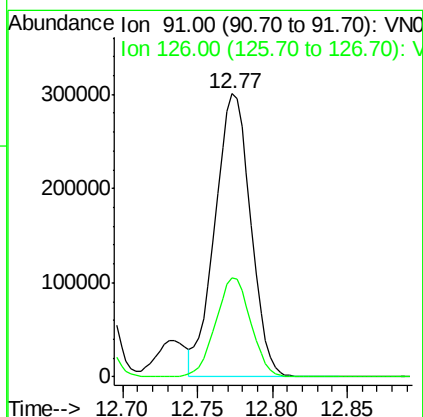
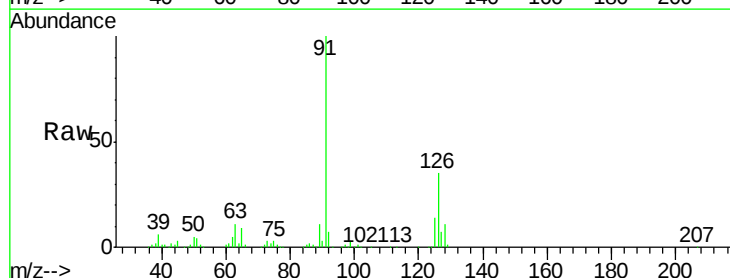
Acq: 18 Jan 2019 11:47

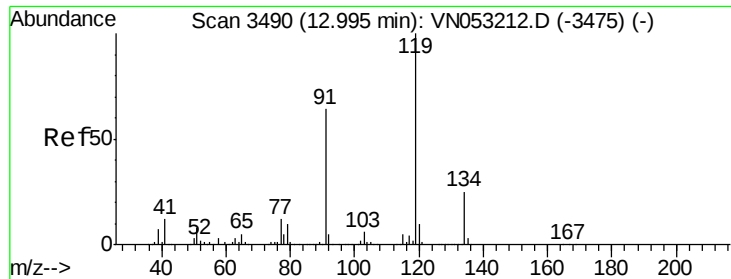
Tgt Ion: 91 Resp: 500195

Ion Ratio Lower Upper

91 100

126 34.5 0.0 68.2

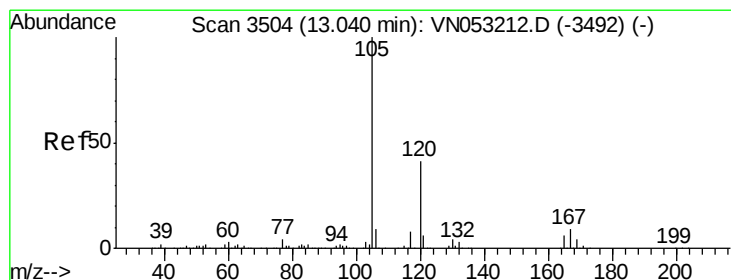
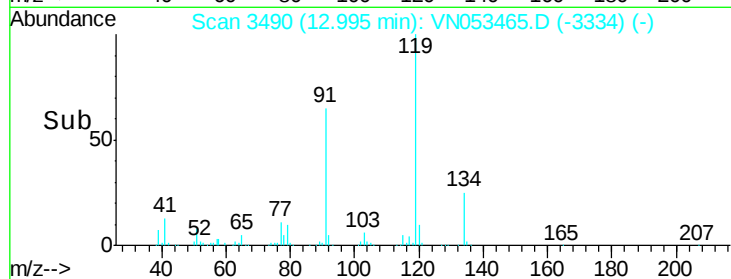
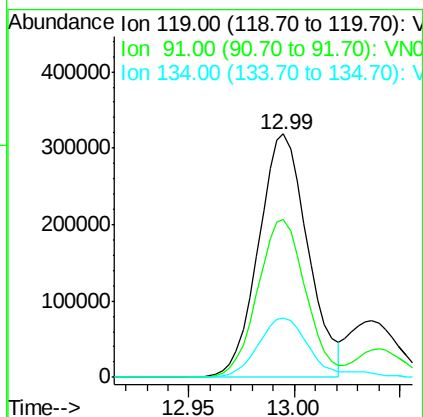
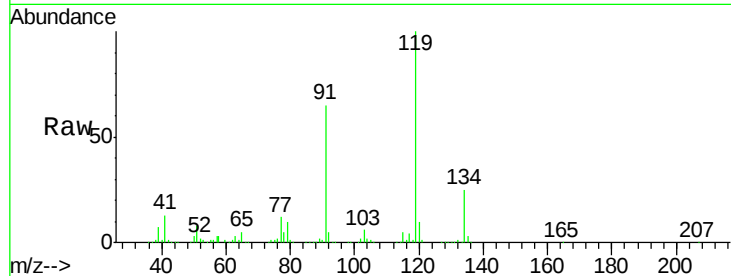




#79
 tert-butylbenzene
 Concen: 19.950 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

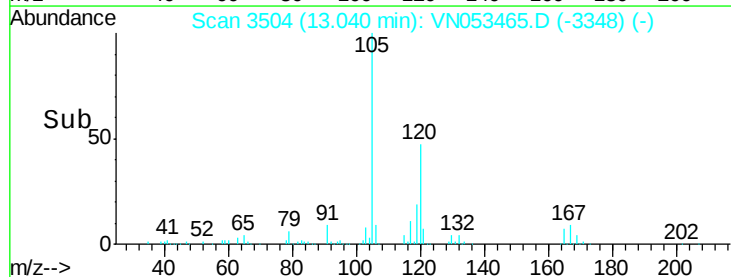
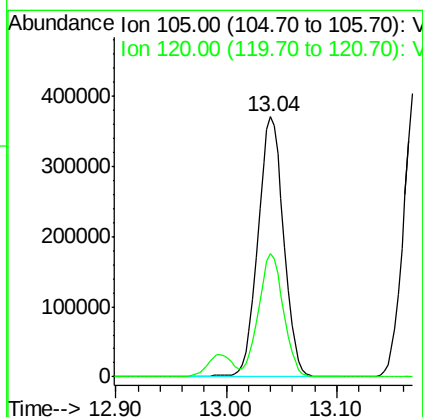
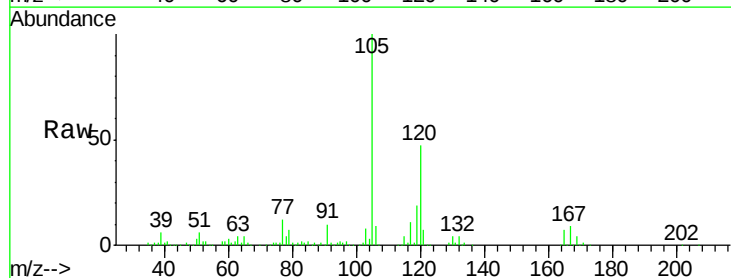
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

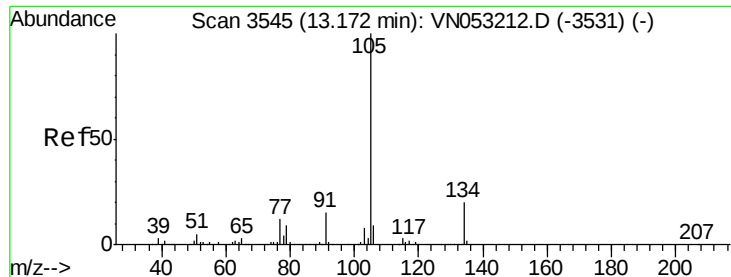
Tot Ion:119 Resp: 518047
 Ion Ratio Lower Upper
 119 100
 91 63.0 0.0 129.8
 134 24.4 0.0 52.2



#80
 1,2,4-Trimethylbenzene
 Concen: 20.025 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion:105 Resp: 597578
 Ion Ratio Lower Upper
 105 100
 120 46.3 0.0 91.0





#81

sec-Butylbenzene

Concen: 20.596 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

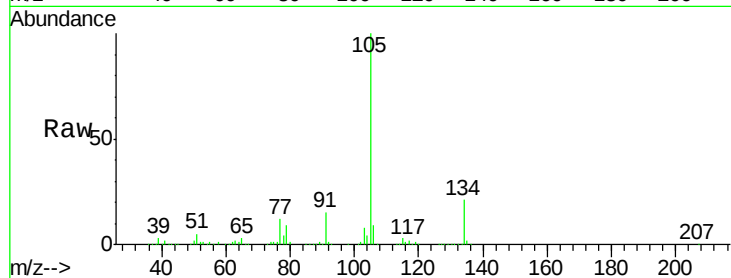
VN0118WBSD01

Tot Ion:105 Resp: 708202

Ion Ratio Lower Upper

105 100

134 20.8 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

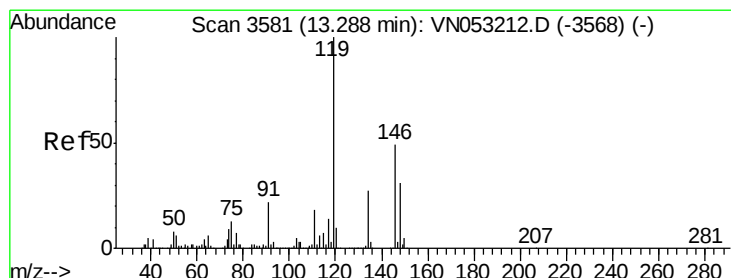
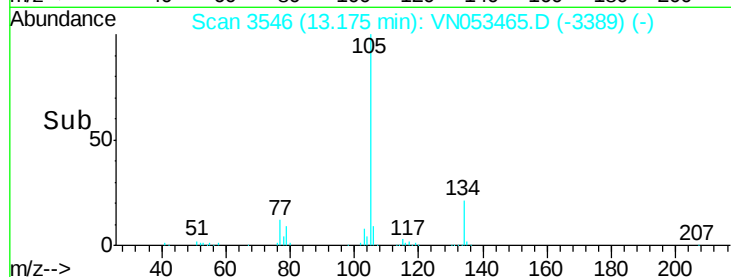
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 20.552 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053465.D

Acq: 18 Jan 2019 11:47

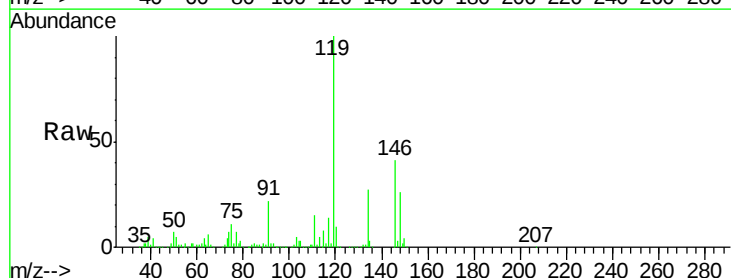
Tgt Ion:119 Resp: 610637

Ion Ratio Lower Upper

119 100

134 27.1 0.0 52.6

91 22.2 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

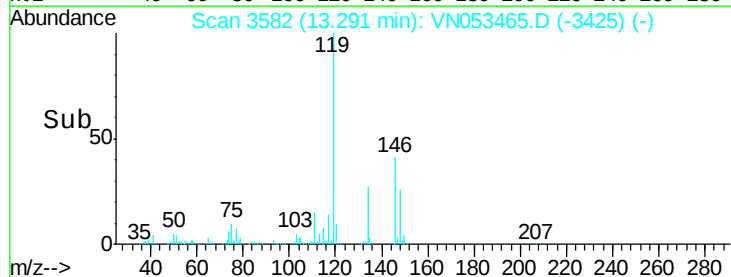
300000

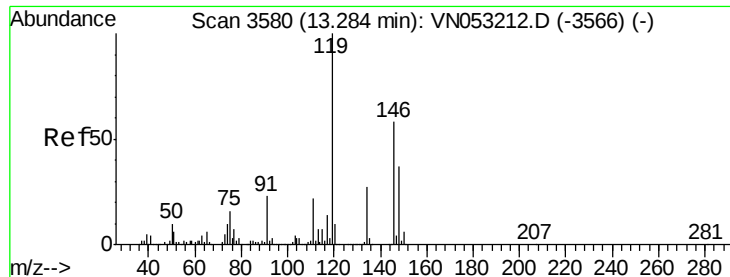
200000

100000

0

Time-->

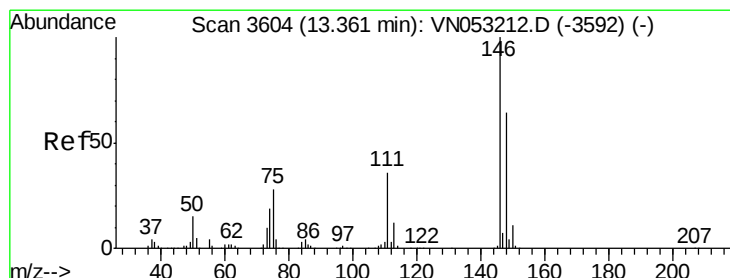
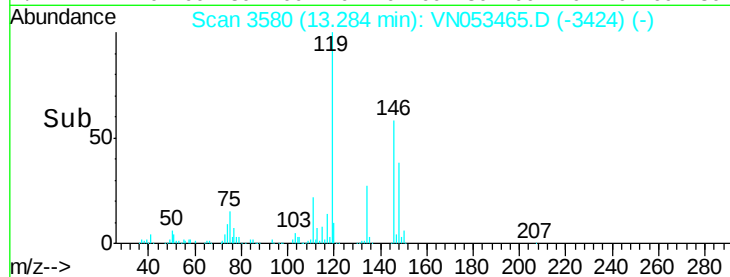
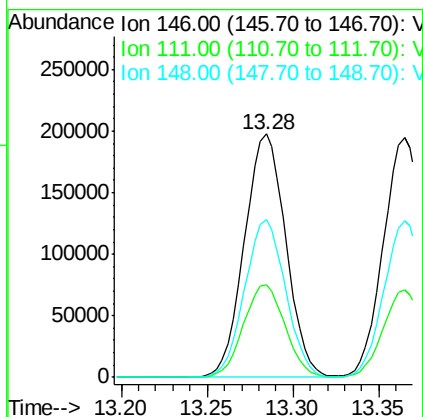
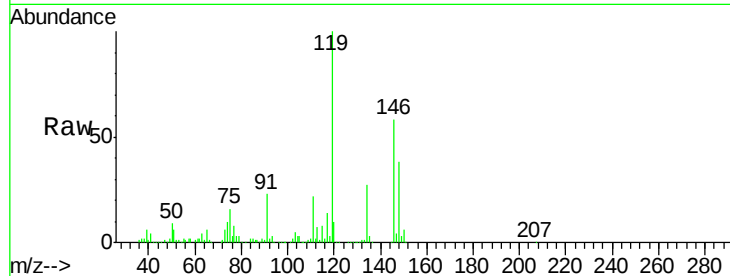




#83
 1,3-Dichlorobenzene
 Concen: 20.121 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

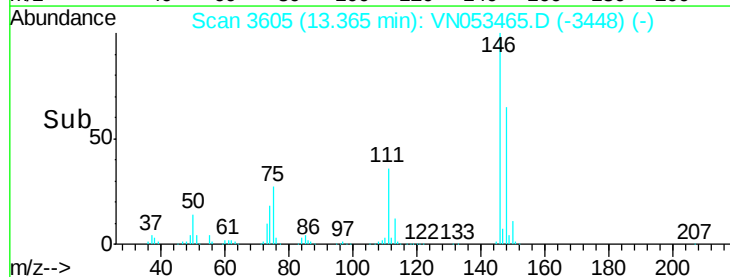
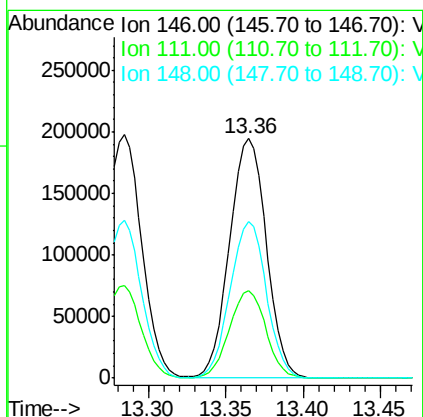
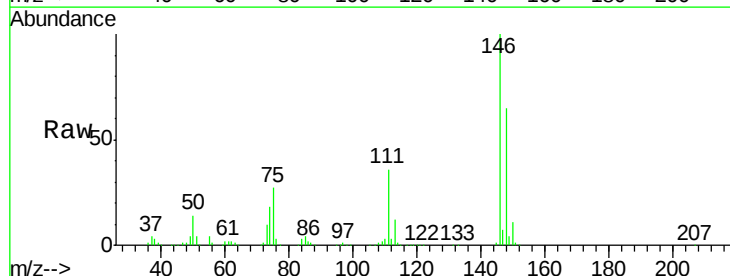
Instrument :
 MSVOA_N
 ClientSampled :
 VN0118WBSD01

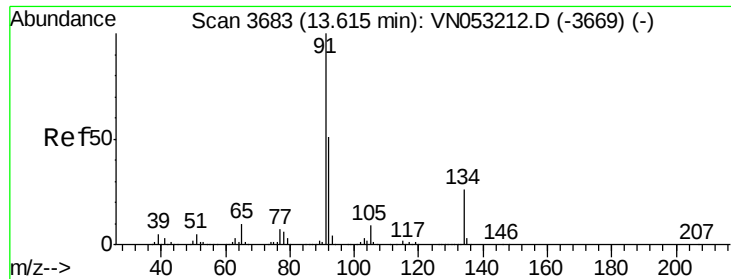
Tot Ion:146 Resp: 330535
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.7 59.0
 148 64.0 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 20.116 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion:146 Resp: 322120
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.8 56.3
 148 64.4 32.5 97.4

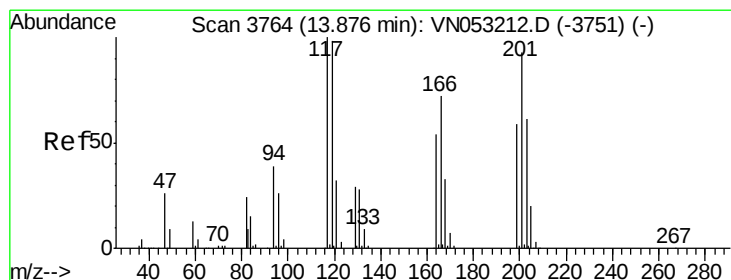
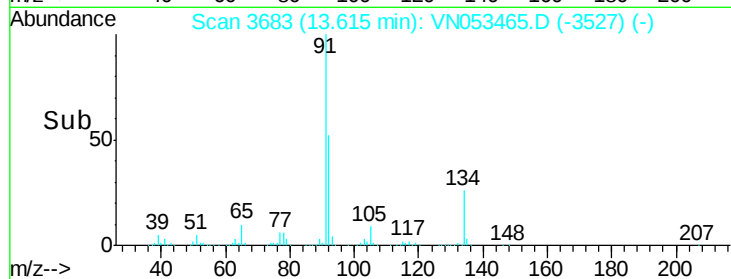
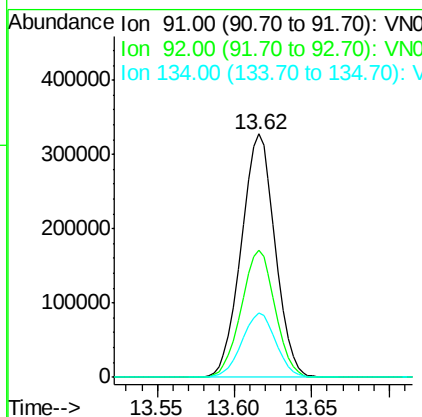
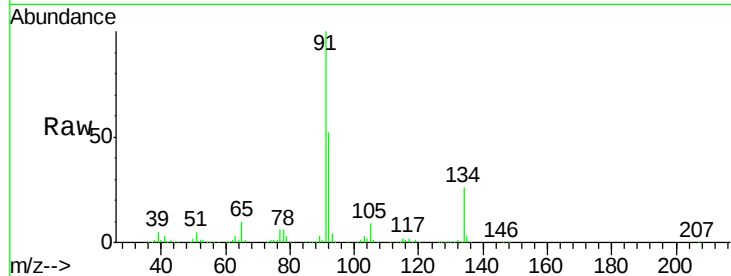




#85
n-Butylbenzene
Concen: 20.626 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

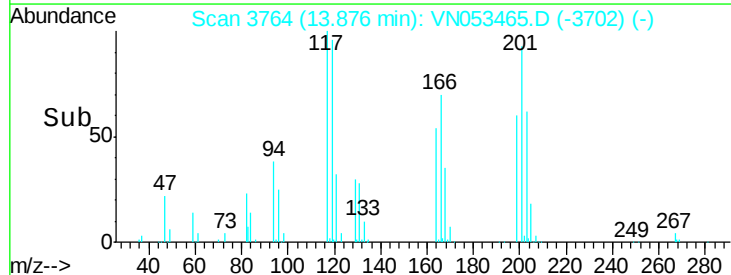
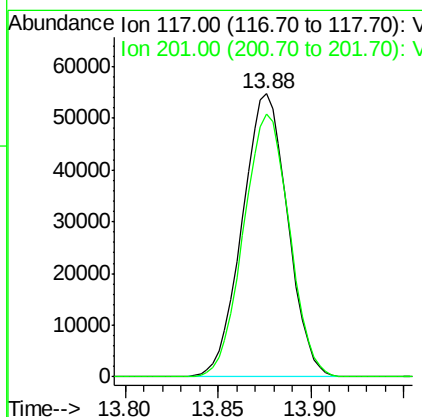
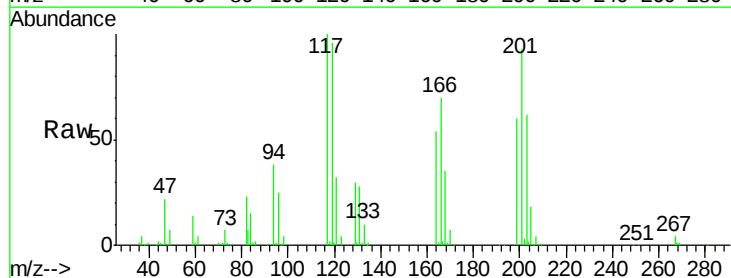
Instrument :
MSVOA_N
ClientSampled :
VN0118WBSD01

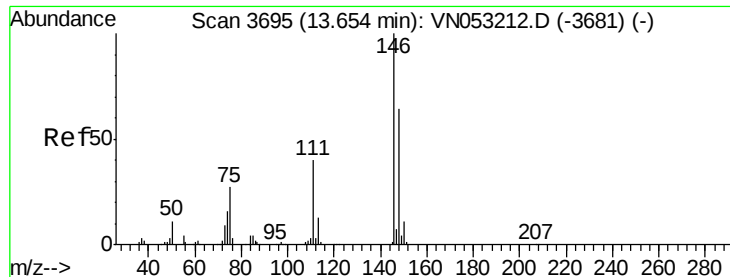
Tot Ion: 91 Resp: 498380
Ion Ratio Lower Upper
91 100
92 52.3 0.0 104.2
134 26.5 0.0 50.6



#86
Hexachloroethane
Concen: 19.647 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion: 117 Resp: 93204
Ion Ratio Lower Upper
117 100
201 93.4 43.8 131.3

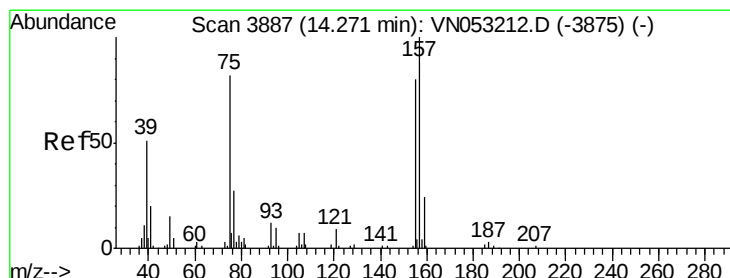
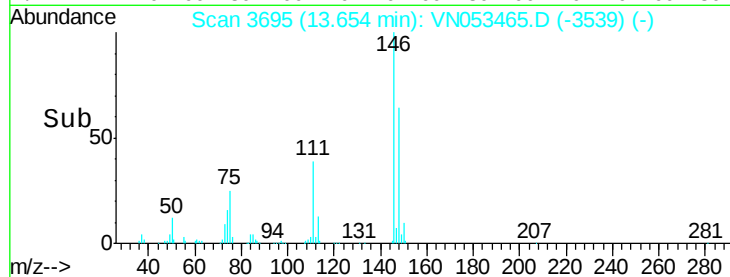
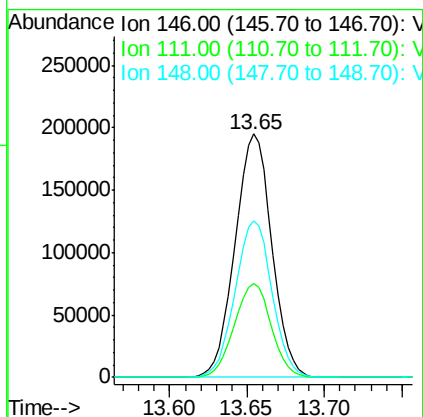
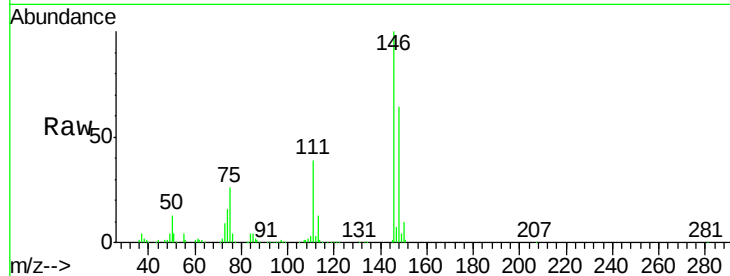




#87
 1,2-Dichlorobenzene
 Concen: 21.084 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

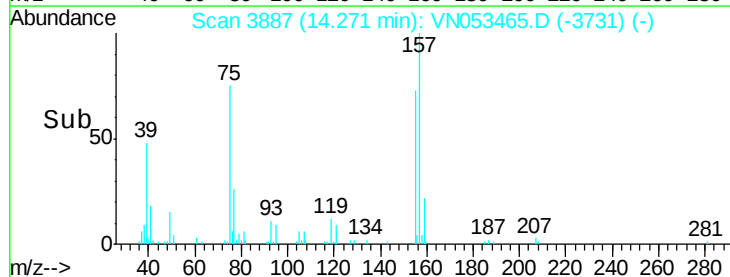
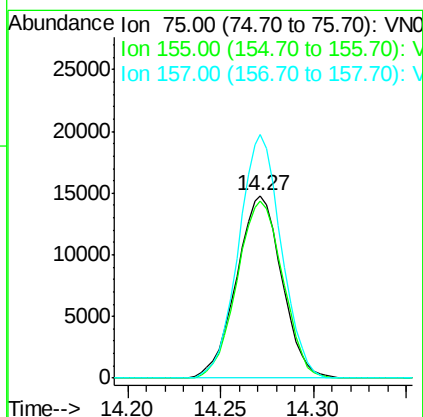
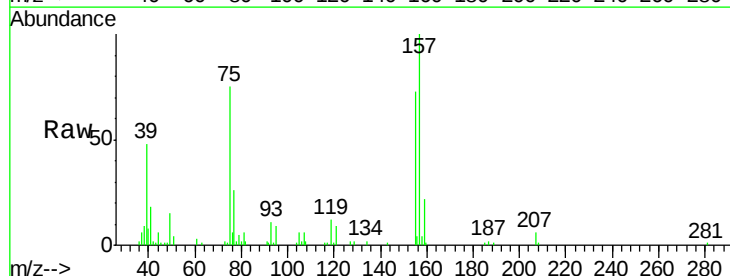
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

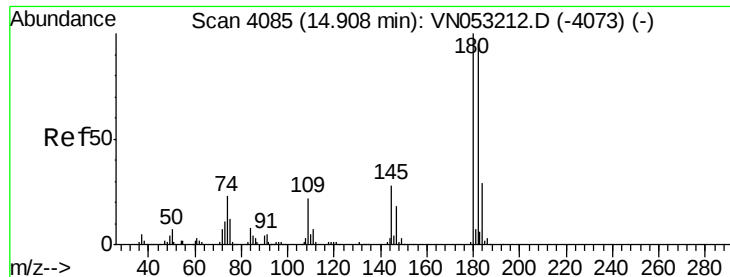
Tot Ion:146 Resp: 321828
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.3 60.8
 148 64.6 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.273 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion: 75 Resp: 25167
 Ion Ratio Lower Upper
 75 100
 155 97.6 72.2 108.2
 157 125.4 94.2 141.2

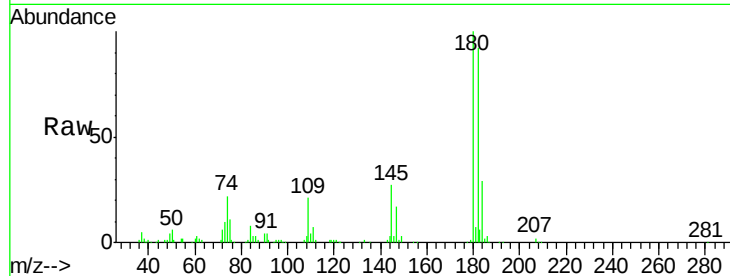




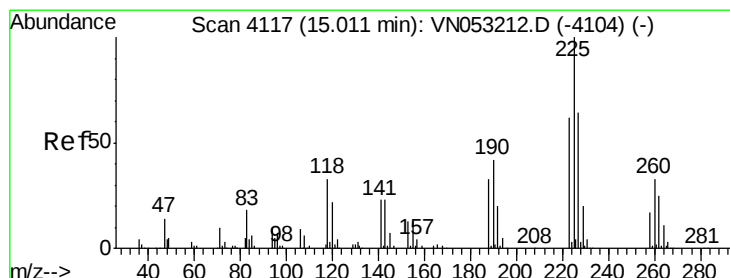
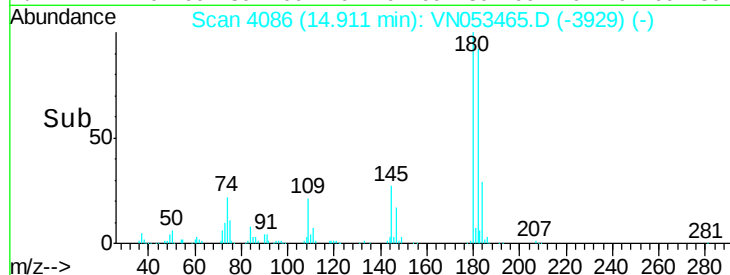
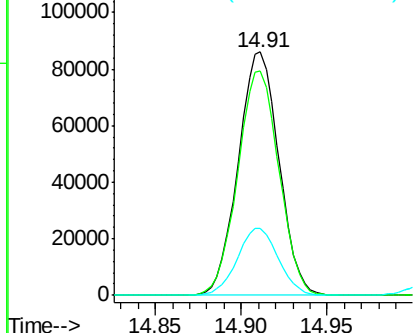
#89
 1,2,4-Trichlorobenzene
 Concen: 19.026 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBSD01

Tot Ion:180 Resp: 140956
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.6 114.8
 145 28.0 23.6 35.4

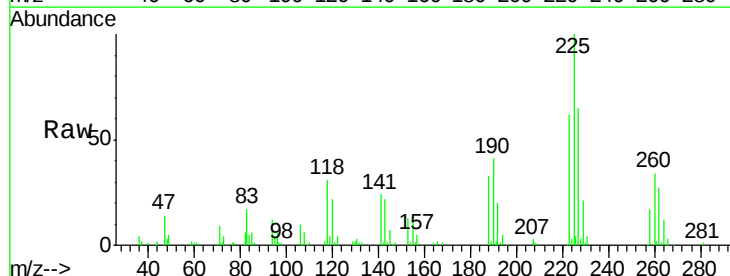


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

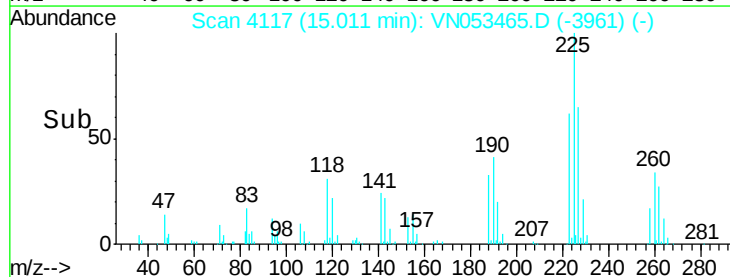
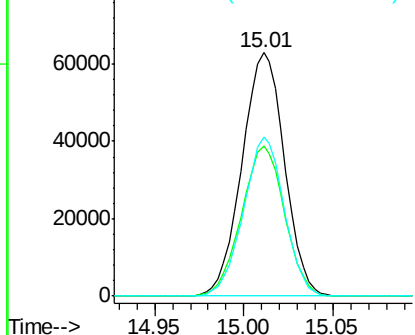


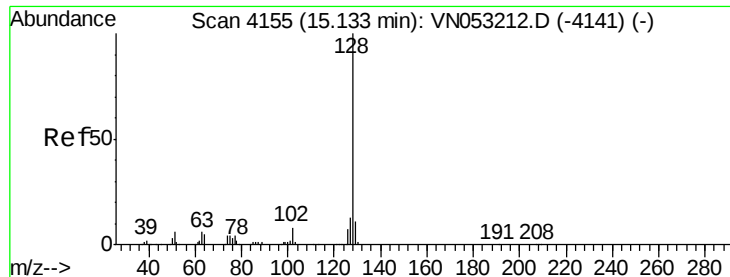
#90
 Hexachlorobutadiene
 Concen: 23.308 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053465.D
 Acq: 18 Jan 2019 11:47

Tgt Ion:225 Resp: 104526
 Ion Ratio Lower Upper
 225 100
 223 62.3 0.0 125.6
 227 62.7 0.0 127.8



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

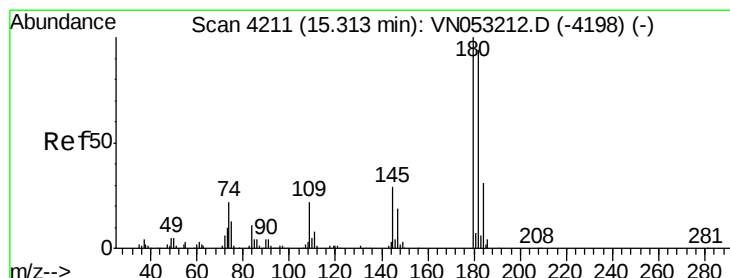
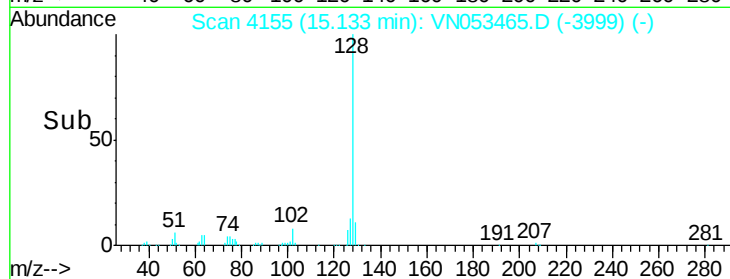
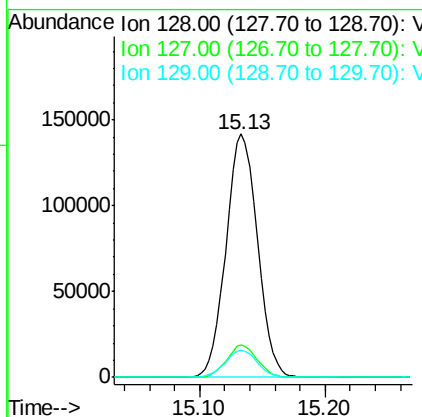
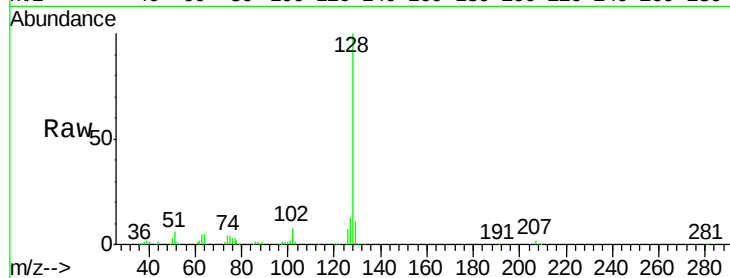




#91
Naphthalene
Concen: 15.726 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBSD01

Tot Ion:128 Resp: 247206
Ion Ratio Lower Upper
128 100
127 12.9 9.9 14.9
129 11.3 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 15.979 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053465.D
Acq: 18 Jan 2019 11:47

Tgt Ion:180 Resp: 105623
Ion Ratio Lower Upper
180 100
182 96.5 0.0 196.2
145 30.3 0.0 62.2

