

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053883.D
 Acq On : 21 Feb 2019 11:01
 Operator : JC/SP
 Sample : VN0221WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Quant Time: Feb 22 00:34:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	651010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	969494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	843976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	389141	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	327218	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	7.59	113	308756	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	10.09	98	1151787	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	373602	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	106506	18.830	ug/l	98
3) Chloromethane	2.06	50	141128	20.071	ug/l	98
4) Vinyl Chloride	2.19	62	148271	19.644	ug/l	99
5) Bromomethane	2.57	94	111058	20.092	ug/l	99
6) Chloroethane	2.71	64	99099	20.314	ug/l	99
7) Trichlorofluoromethane	3.02	101	209643	19.559	ug/l	100
8) Diethyl Ether	3.41	74	68944	18.298	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	116644	18.057	ug/l	99
10) Methyl Iodide	3.96	142	176459	18.421	ug/l	100
11) Tert butyl alcohol	4.78	59	39358	94.762	ug/l	99
12) 1,1-Dichloroethene	3.74	96	112115	18.558	ug/l	98
13) Acrolein	3.61	56	43017	144.907	ug/l	99
14) Allyl chloride	4.33	41	173521	18.978	ug/l	99
15) Acrylonitrile	4.99	53	211071	100.878	ug/l	100
16) Acetone	3.82	43	162358	88.731	ug/l	98
17) Carbon Disulfide	4.06	76	344619	18.418	ug/l	99
18) Methyl Acetate	4.33	43	81840	18.951	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	300349	19.595	ug/l	99
20) Methylene Chloride	4.55	84	127960	18.679	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	121571	19.173	ug/l	96
22) Diisopropyl ether	5.95	45	347041	20.361	ug/l	95
23) Vinyl Acetate	5.90	43	1212830	98.982	ug/l	99
24) 1,1-Dichloroethane	5.85	63	220813	19.135	ug/l	99
25) 2-Butanone	6.84	43	225287	95.416	ug/l	96
26) 2,2-Dichloropropane	6.83	77	166065	18.964	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	138955	19.563	ug/l	99
28) Bromochloromethane	7.20	49	100806	20.015	ug/l	97
29) Tetrahydrofuran	7.21	42	151715	99.357	ug/l	99
30) Chloroform	7.37	83	222569	19.195	ug/l	97
31) Cyclohexane	7.66	56	203985	18.970	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	188223	18.972	ug/l	99
36) 1,1-Dichloropropene	7.79	75	165448	18.618	ug/l	100
37) Ethyl Acetate	6.93	43	105254	19.810	ug/l	99
38) Carbon Tetrachloride	7.77	117	171232	19.299	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	196767	19.216	ug/l	98
40) Benzene	8.04	78	511036	19.452	ug/l	99
41) Methacrylonitrile	7.17	41	49410	16.780	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	149811	19.128	ug/l	100
43) Isopropyl Acetate	8.16	43	179168	18.902	ug/l #	89
44) Trichloroethene	8.84	130	143908	19.568	ug/l	98
45) 1,2-Dichloropropane	9.12	63	132461	19.749	ug/l	98
46) Dibromomethane	9.21	93	80716	19.987	ug/l	99
47) Bromodichloromethane	9.40	83	167531	19.664	ug/l	99
48) Methyl methacrylate	9.20	41	80295	19.757	ug/l	96
49) 1,4-Dioxane	9.20	88	26170	410.983	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	470327	100.576	ug/l	100
52) Toluene	10.16	92	312202	20.054	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	160521	19.404	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	192803	19.773	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	115448	20.285	ug/l	98
56) Ethyl methacrylate	10.43	69	129870	19.334	ug/l	99
57) 1,3-Dichloropropane	10.71	76	191561	19.991	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	282971	94.579	ug/l	99
59) 2-Hexanone	10.75	43	288382	96.971	ug/l	99
60) Dibromochloromethane	10.90	129	131527	19.799	ug/l	99
61) 1,2-Dibromoethane	11.01	107	111579	19.734	ug/l	98
64) Tetrachloroethene	10.63	164	141684	18.774	ug/l	95
65) Chlorobenzene	11.43	112	341344	19.323	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	129261	20.051	ug/l	98
67) Ethyl Benzene	11.51	91	566646	19.820	ug/l	100
68) m/p-Xylenes	11.62	106	441285	39.864	ug/l	99
69) o-Xylene	11.95	106	215754	20.245	ug/l	99
70) Styrene	11.96	104	338672	20.251	ug/l	99
71) Bromoform	12.13	173	90081	19.690	ug/l #	99
73) Isopropylbenzene	12.25	105	558640	20.378	ug/l	100
74) N-amyl acetate	12.07	43	126602	20.110	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	134214	20.708	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	159353	27.895	ug/l #	100
77) Bromobenzene	12.53	156	149963	20.392	ug/l	98
78) n-propylbenzene	12.59	91	637497	20.795	ug/l	100
79) 2-Chlorotoluene	12.67	91	379030	20.505	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	477396	20.979	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	33412	19.309	ug/l	99
82) 4-Chlorotoluene	12.77	91	375526	20.392	ug/l	99
83) tert-Butylbenzene	12.99	119	429180	21.004	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	483524	21.186	ug/l	100
85) sec-Butylbenzene	13.17	105	567834	20.640	ug/l	100
86) p-Isopropyltoluene	13.29	119	497704	20.845	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	255074	19.876	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	248077	19.213	ug/l	99
89) n-Butylbenzene	13.62	91	404257	20.589	ug/l	100
90) Hexachloroethane	13.87	117	91106	19.973	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	258471	20.529	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21620	22.859	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Feb 21 03:36:07 2019
Response via : Initial Calibration

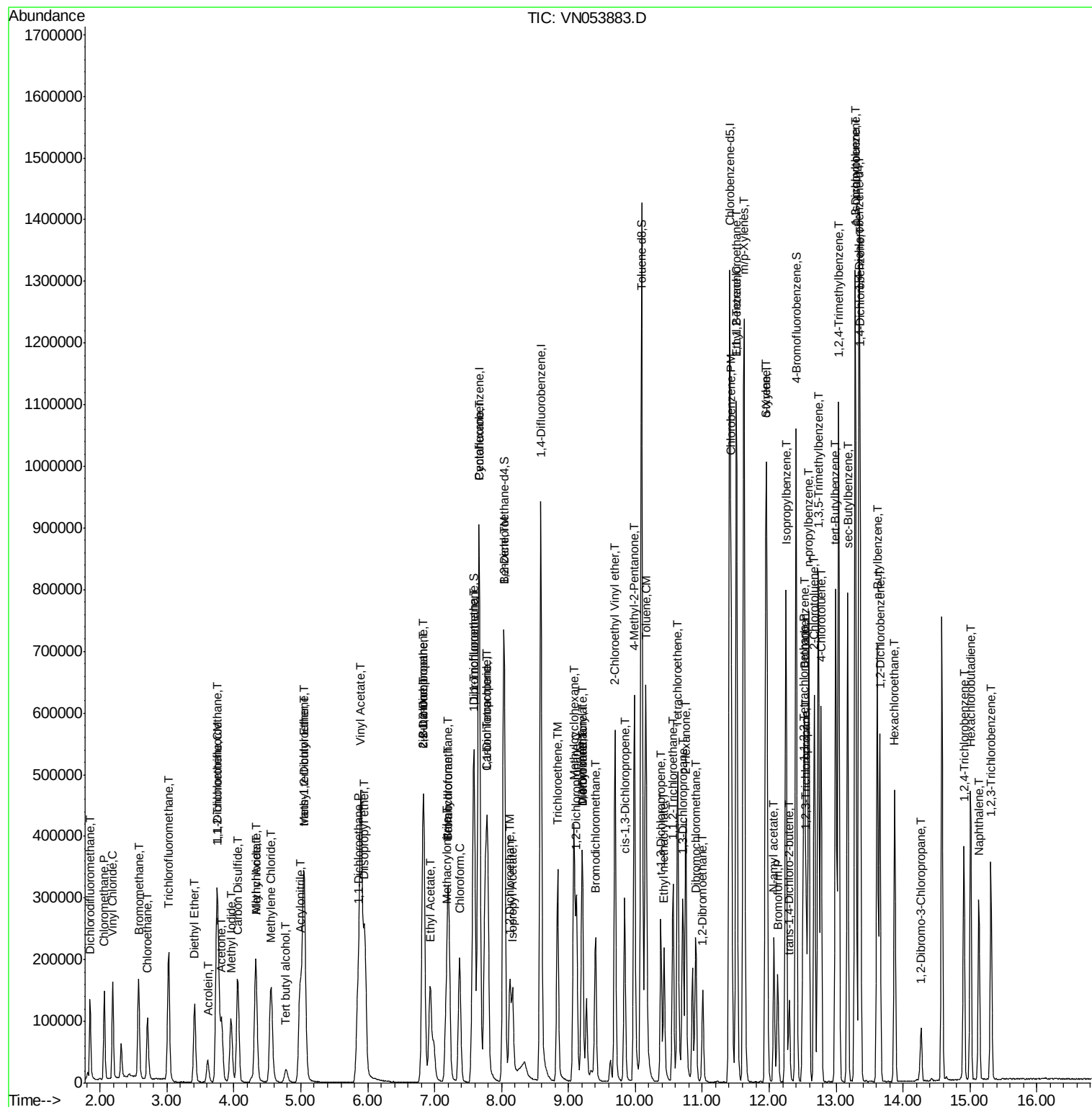
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	134905	19.579	ug/l	99
94) Hexachlorobutadiene	15.01	225	104006	19.808	ug/l	99
95) Naphthalene	15.13	128	262806	20.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	138038	20.661	ug/l	99

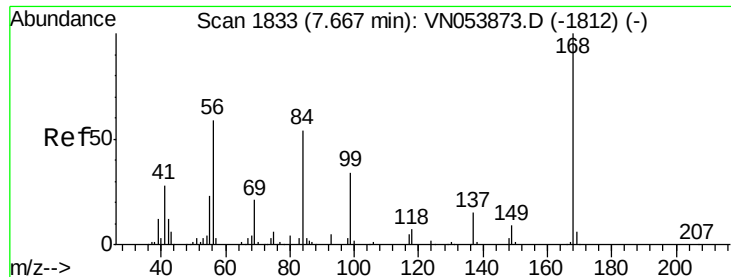
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053883.D
 Acq On : 21 Feb 2019 11:01
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

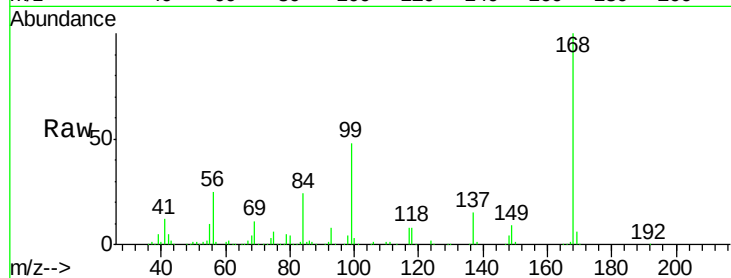
VN0221WBSD01

Tot Ion:168 Resp: 651010

Ion Ratio Lower Upper

168 100

99 48.0 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

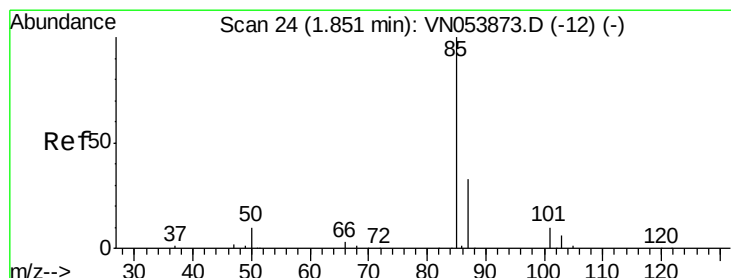
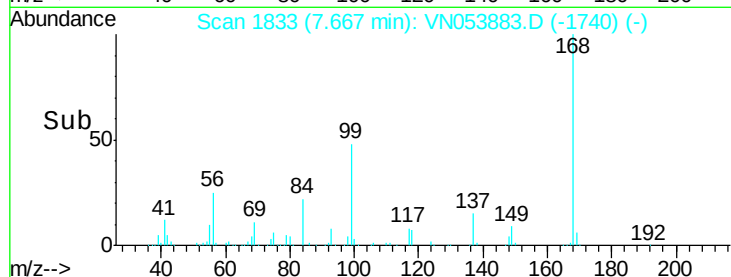
100000

50000

0

7.60 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.830 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053883.D

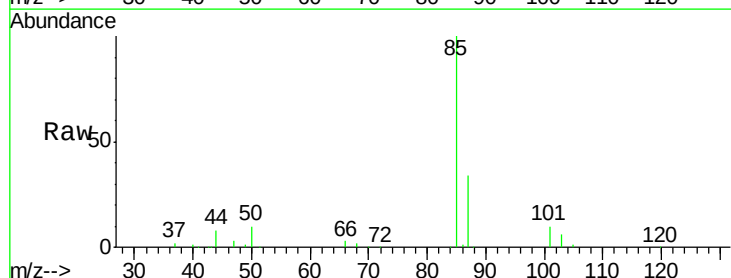
Acq: 21 Feb 2019 11:01

Tgt Ion: 85 Resp: 106506

Ion Ratio Lower Upper

85 100

87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

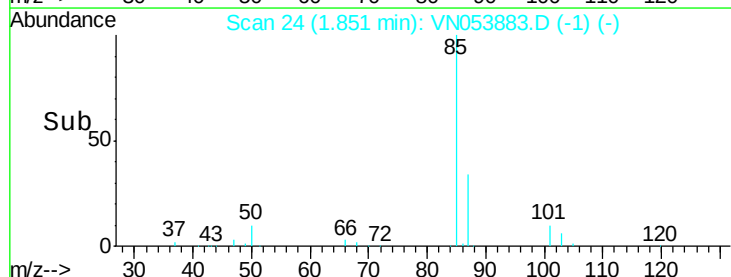
40000

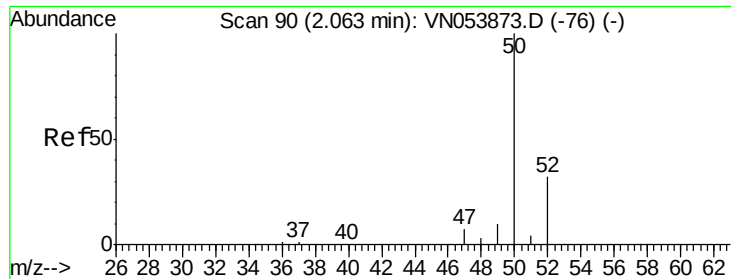
20000

0

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.071 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

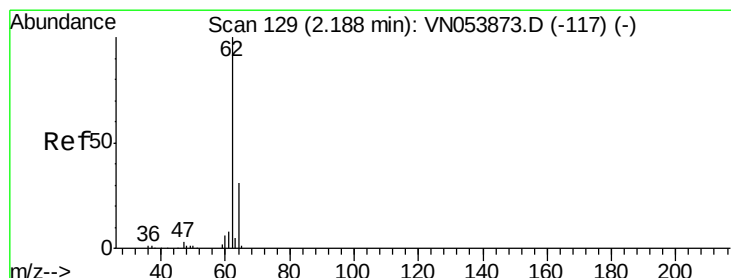
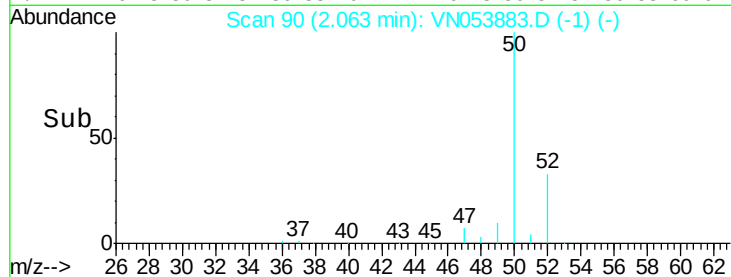
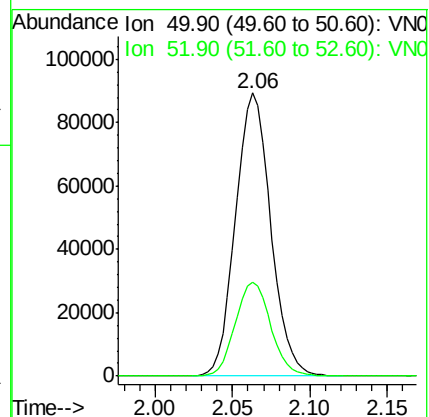
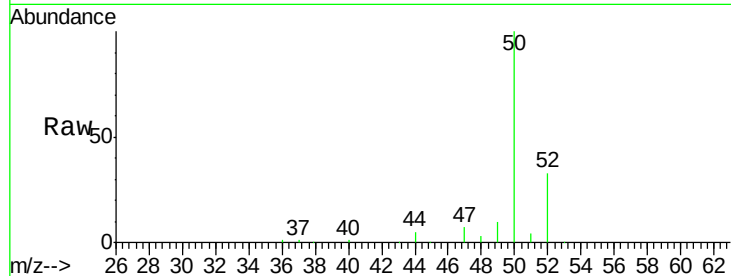
VN0221WBSD01

Tot Ion: 50 Resp: 141128

Ion Ratio Lower Upper

50 100

52 33.4 26.0 39.0



#4

Vinyl Chloride

Concen: 19.644 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053883.D

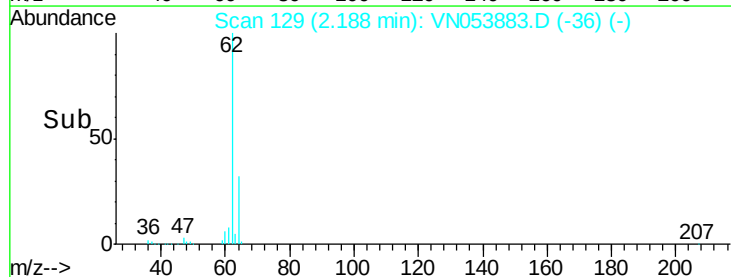
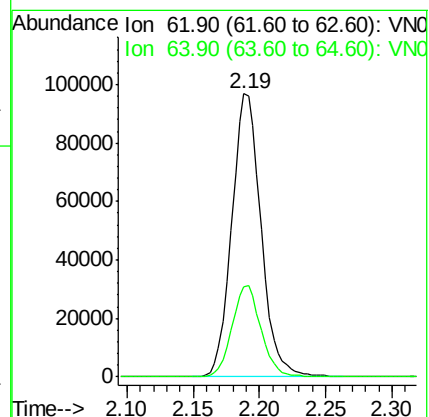
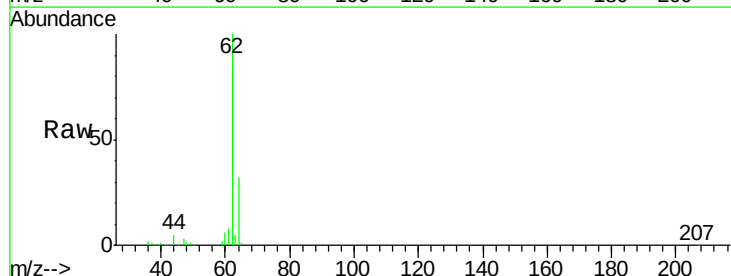
Acq: 21 Feb 2019 11:01

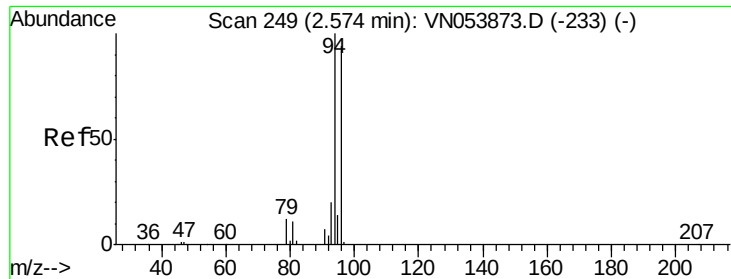
Tgt Ion: 62 Resp: 148271

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7





#5

Bromomethane

Concen: 20.092 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

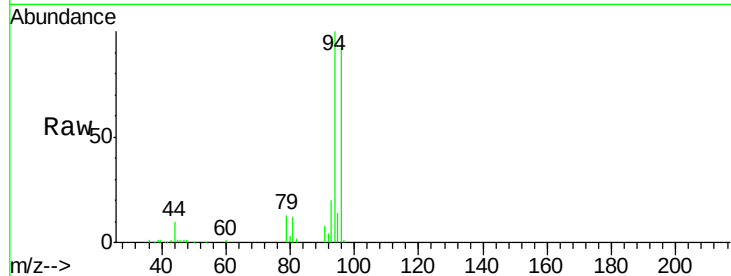
VN0221WBSD01

Tot Ion: 94 Resp: 111058

Ion Ratio Lower Upper

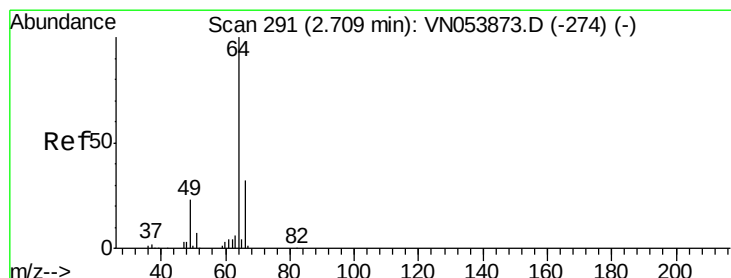
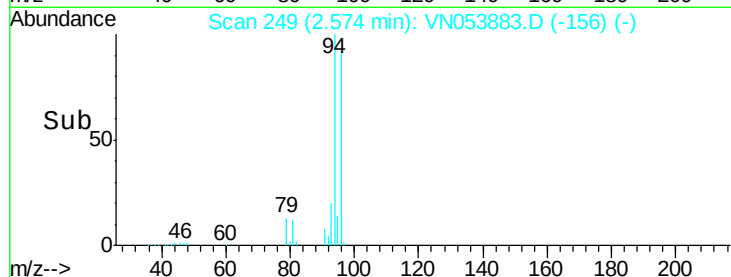
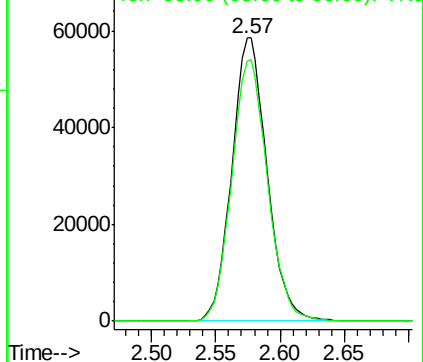
94 100

96 92.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.314 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053883.D

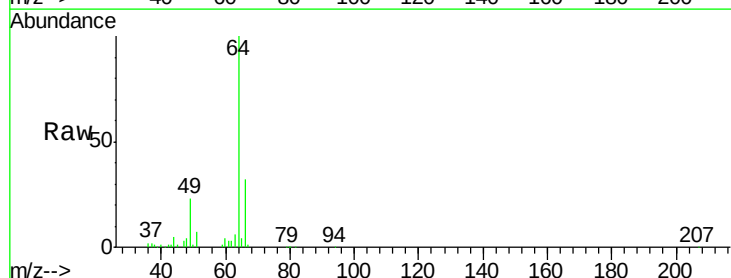
Acq: 21 Feb 2019 11:01

Tgt Ion: 64 Resp: 99099

Ion Ratio Lower Upper

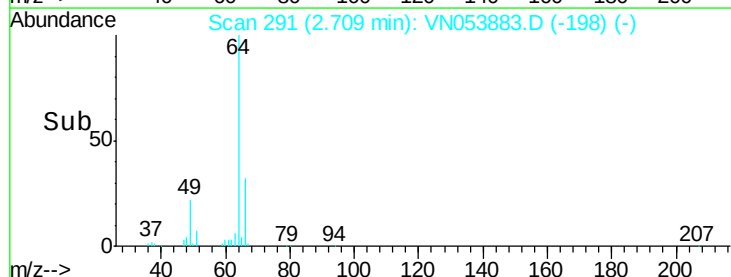
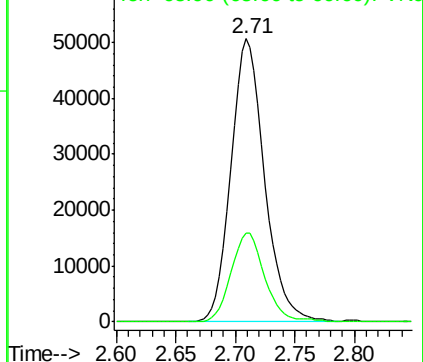
64 100

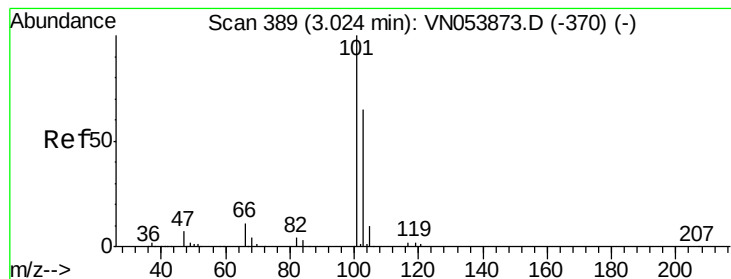
66 31.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



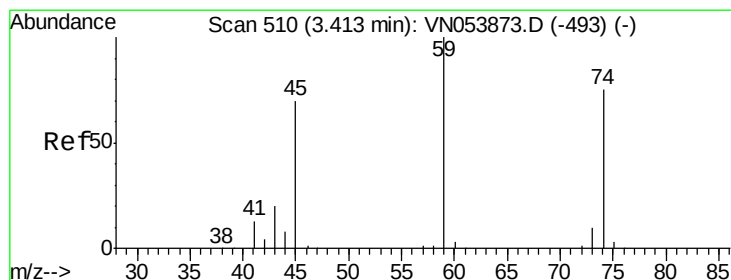
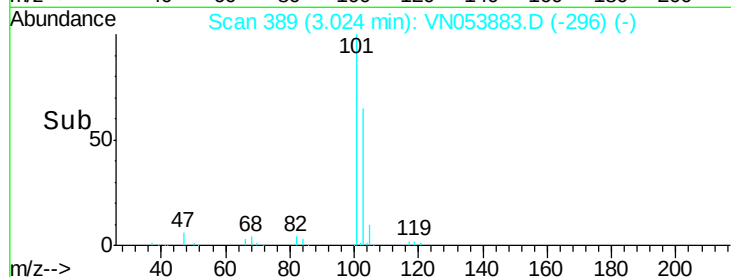
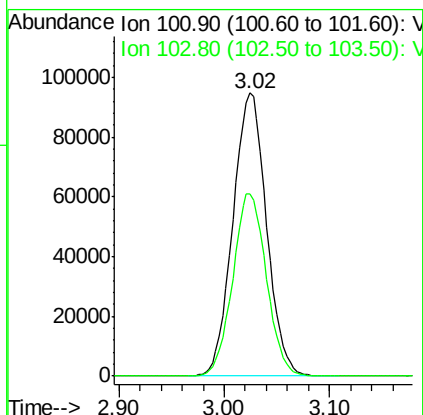
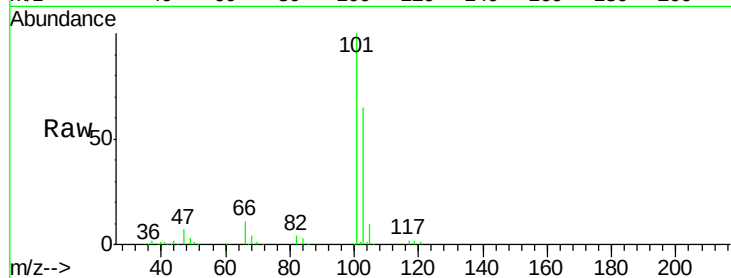


#7

Trichlorofluoromethane
 Concen: 19.559 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Instrument :
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 VN0221WBSD01

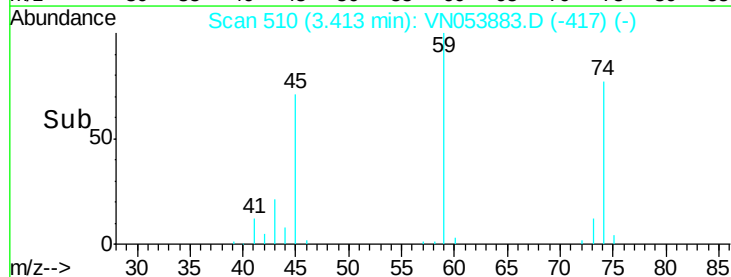
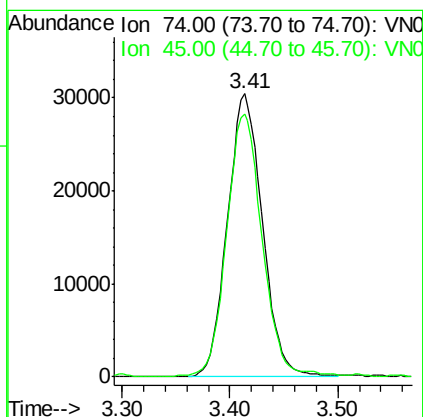
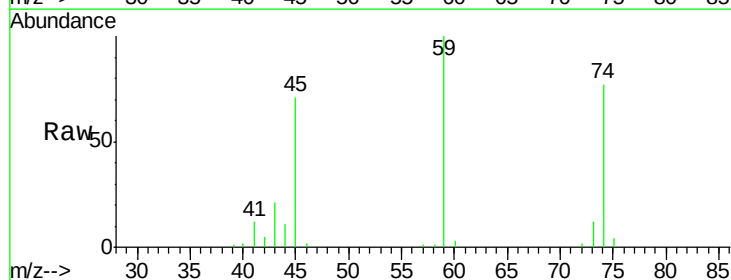
Tot Ion:101 Resp: 209643
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.9 77.9

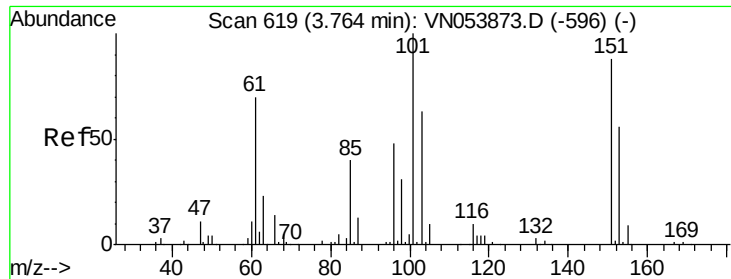


#8

Diethyl Ether
 Concen: 18.298 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion: 74 Resp: 68944
 Ion Ratio Lower Upper
 74 100
 45 93.2 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.057 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

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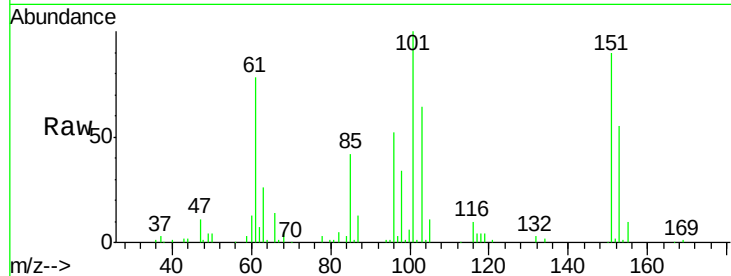
Tot Ion:101 Resp: 116644

Ion Ratio Lower Upper

101 100

85 41.8 32.5 48.7

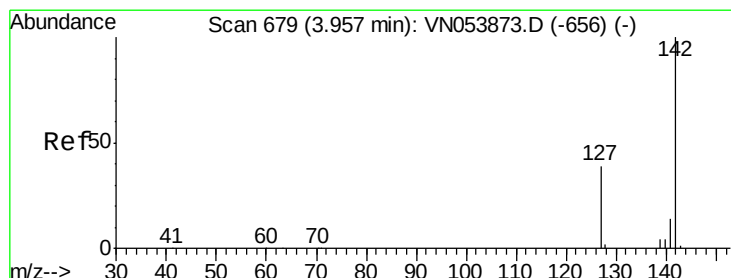
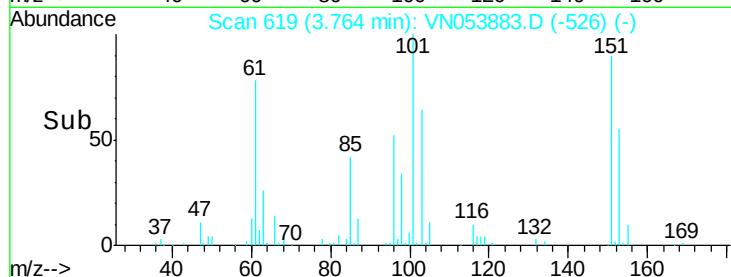
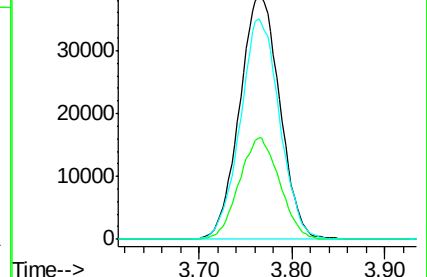
151 88.6 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.421 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

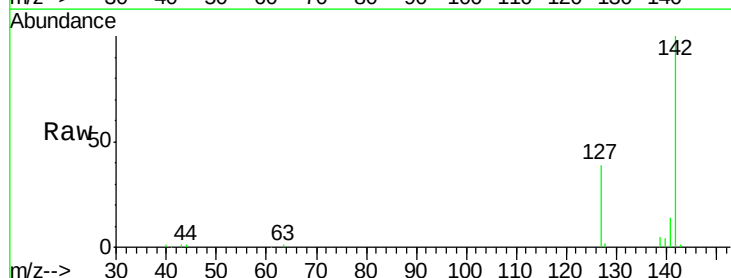
Tgt Ion:142 Resp: 176459

Ion Ratio Lower Upper

142 100

127 38.6 31.0 46.4

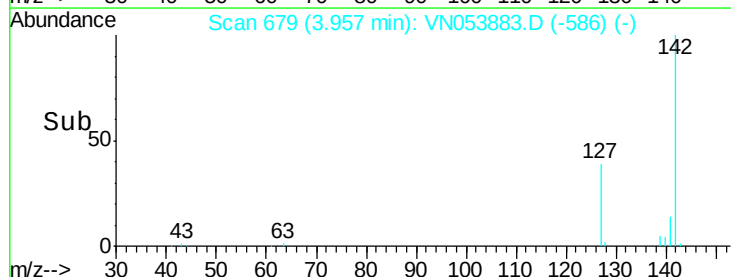
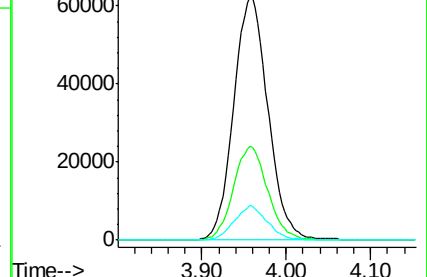
141 13.6 11.3 16.9

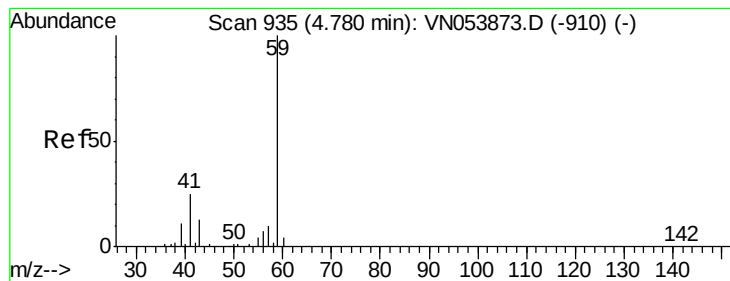


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



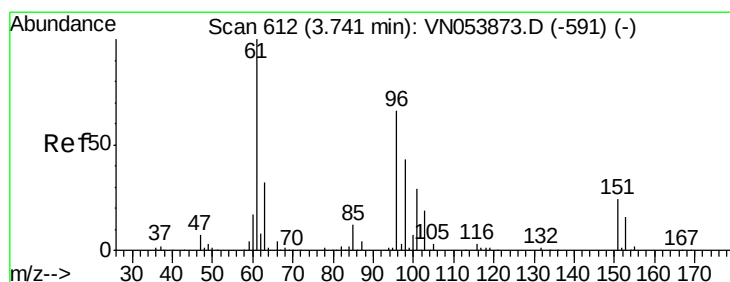
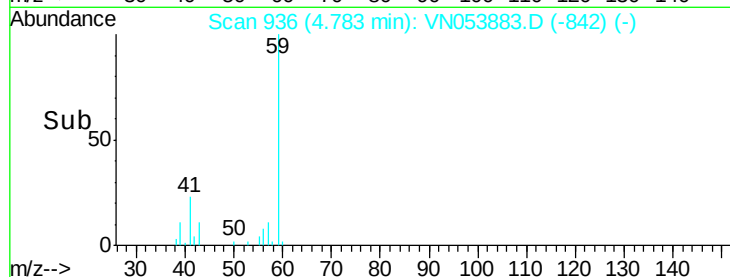
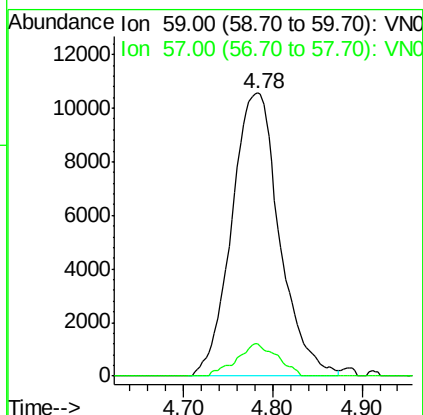
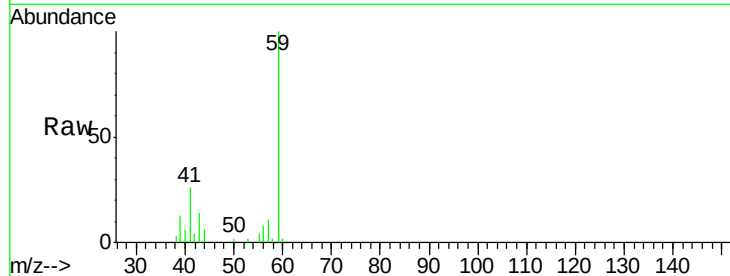


#11

Tert butyl alcohol
 Concen: 94.762 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

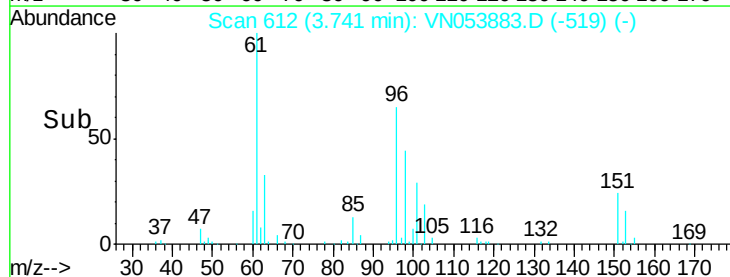
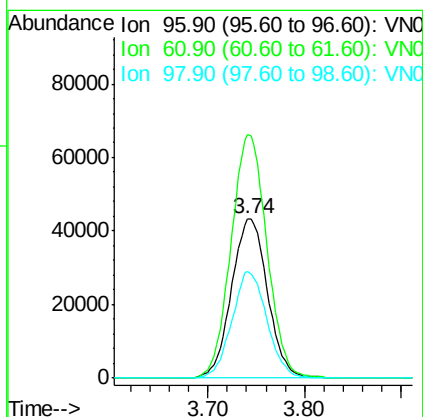
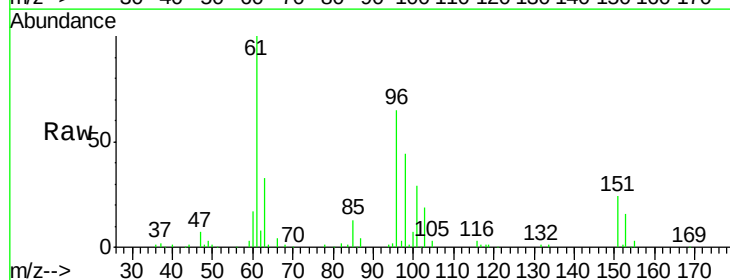
Tot Ion: 59 Resp: 39358
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.1 12.1

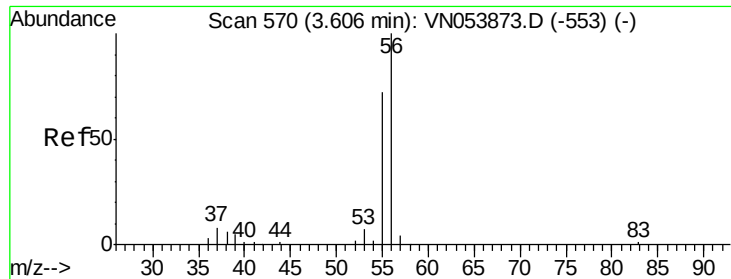


#12

1,1-Dichloroethene
 Concen: 18.558 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion: 96 Resp: 112115
 Ion Ratio Lower Upper
 96 100
 61 152.9 121.0 181.4
 98 66.9 52.2 78.2





#13

Acrolein

Concen: 144.907 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

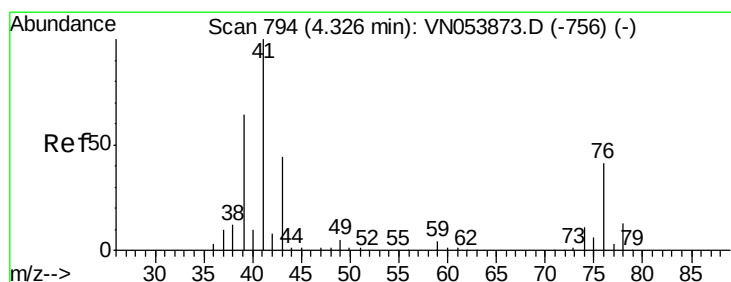
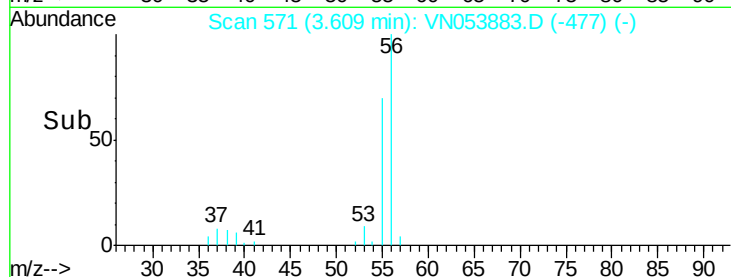
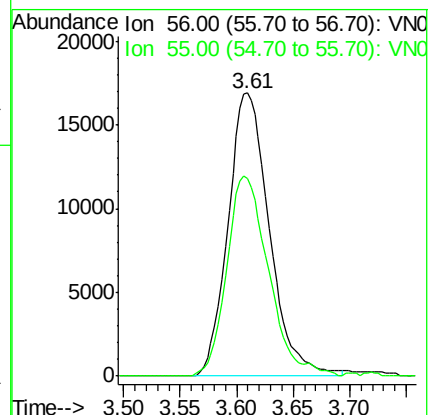
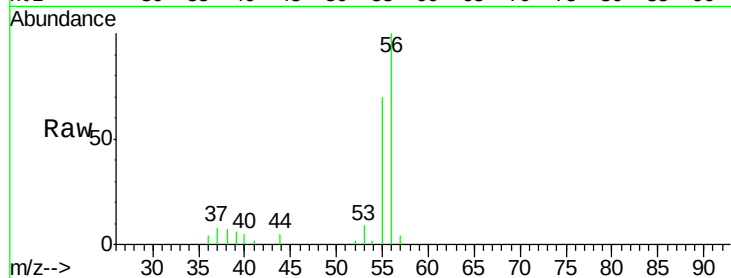
VN0221WBSD01

Tot Ion: 56 Resp: 43017

Ion Ratio Lower Upper

56 100

55 71.5 56.3 84.5



#14

Allyl chloride

Concen: 18.978 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

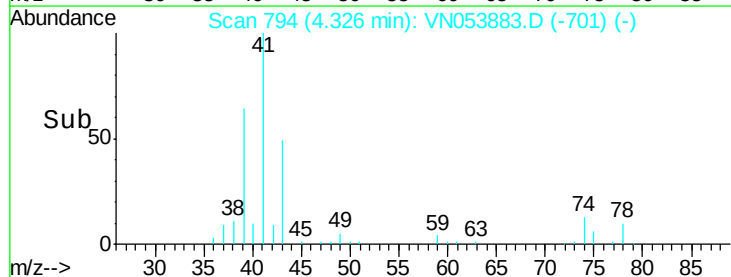
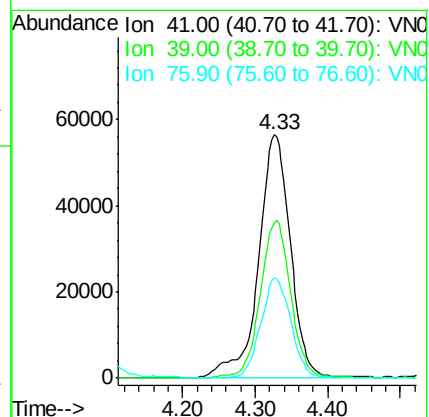
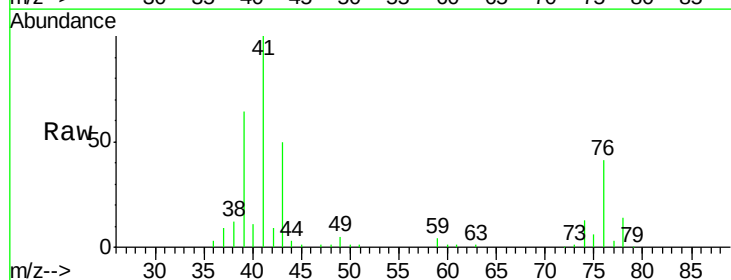
Tgt Ion: 41 Resp: 173521

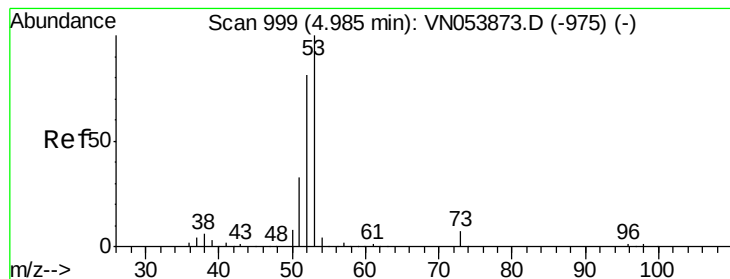
Ion Ratio Lower Upper

41 100

39 61.6 48.8 73.2

76 38.0 30.9 46.3





#15

Acrylonitrile

Concen: 100.878 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

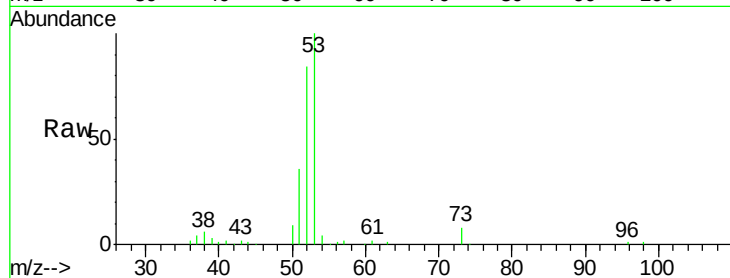
Tot Ion: 53 Resp: 211071

Ion Ratio Lower Upper

53 100

52 81.8 65.1 97.7

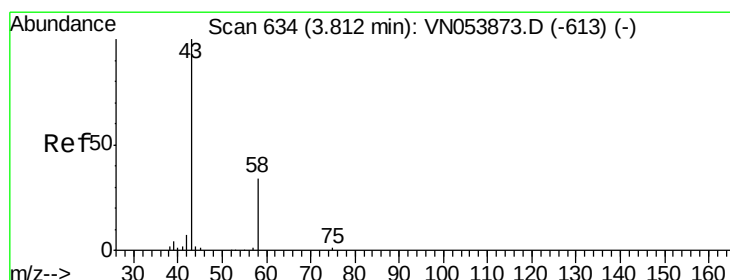
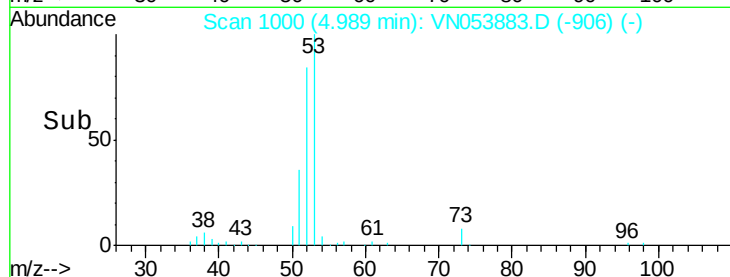
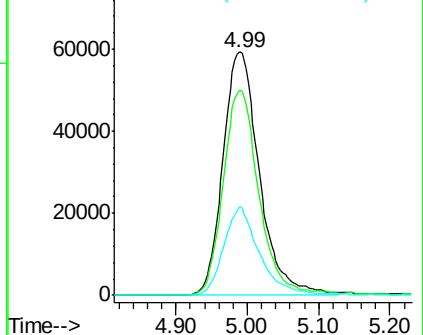
51 35.4 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 88.731 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053883.D

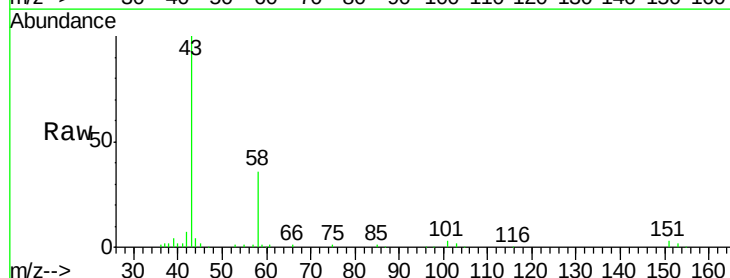
Acq: 21 Feb 2019 11:01

Tgt Ion: 43 Resp: 162358

Ion Ratio Lower Upper

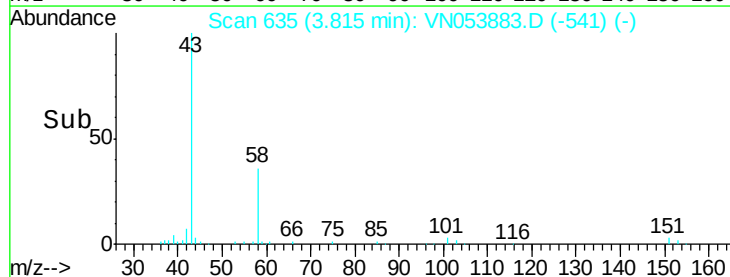
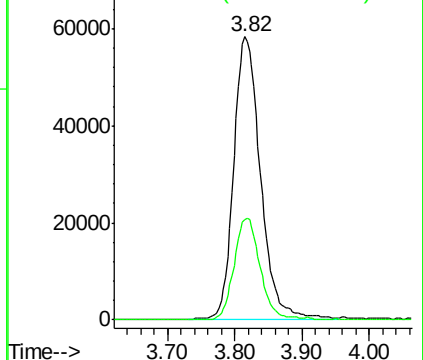
43 100

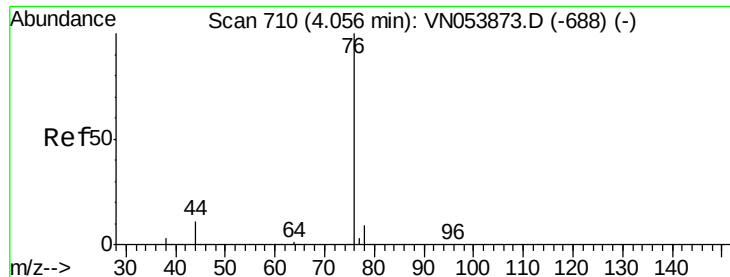
58 35.6 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.418 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

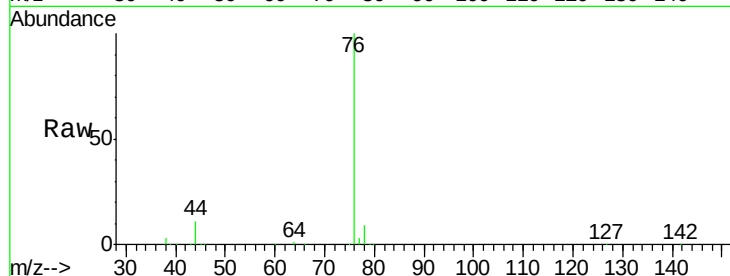
VN0221WBSD01

Tot Ion: 76 Resp: 344619

Ion Ratio Lower Upper

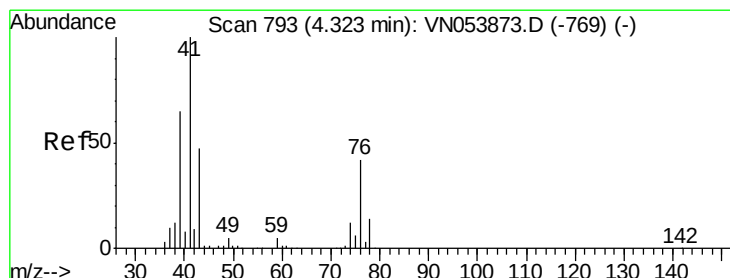
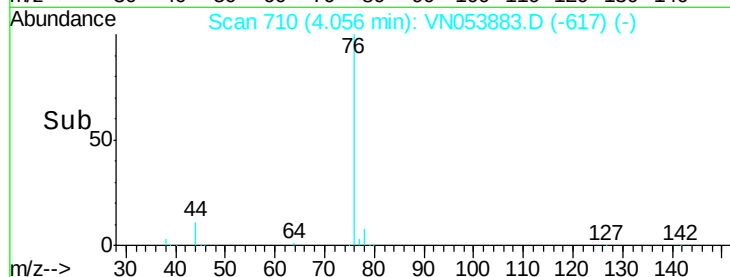
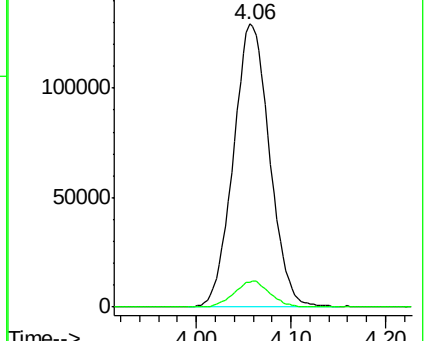
76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.951 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053883.D

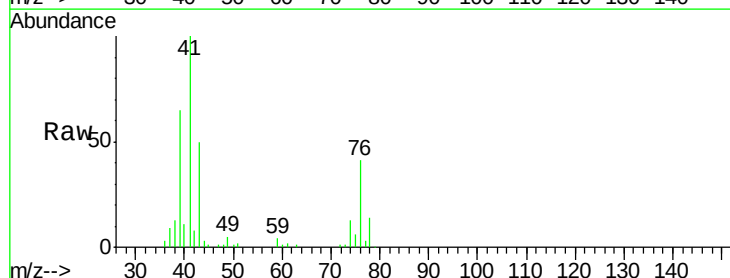
Acq: 21 Feb 2019 11:01

Tgt Ion: 43 Resp: 81840

Ion Ratio Lower Upper

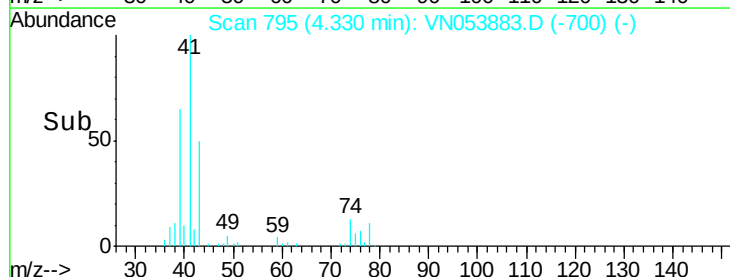
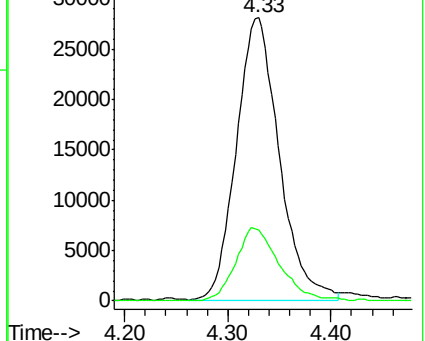
43 100

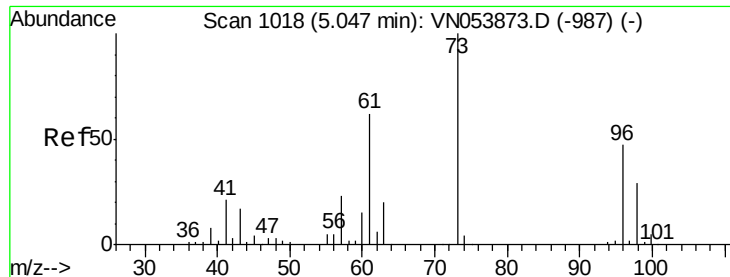
74 26.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

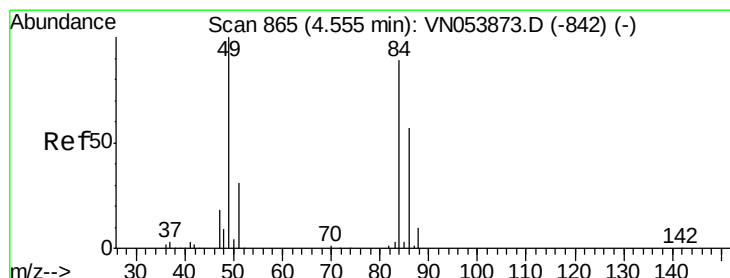
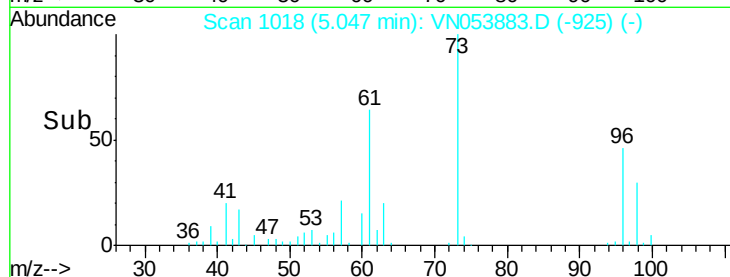
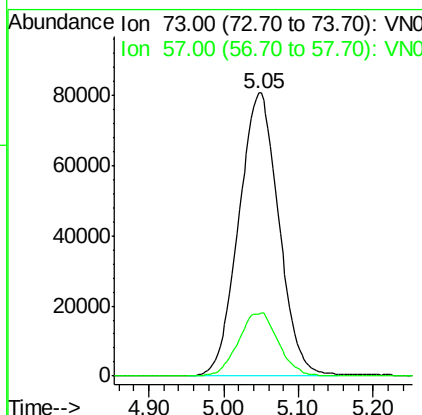
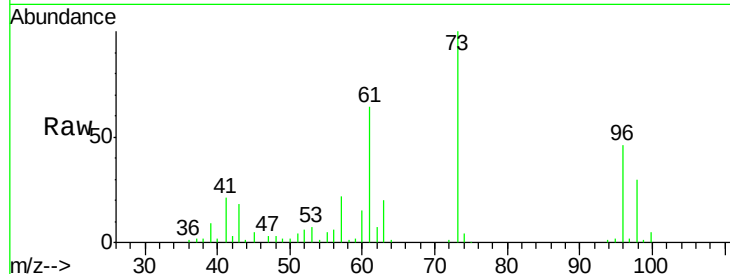




#19
Methvl tert-butvl Ether
Concen: 19.595 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

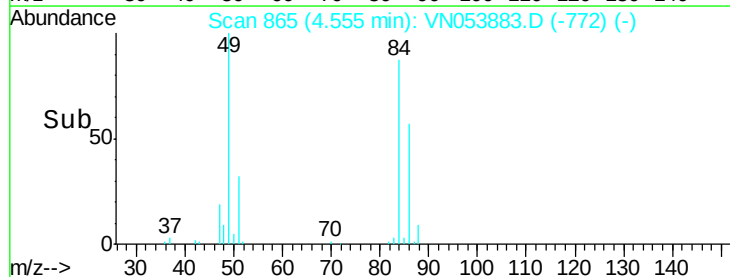
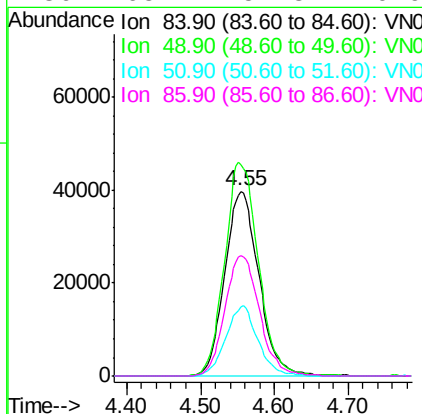
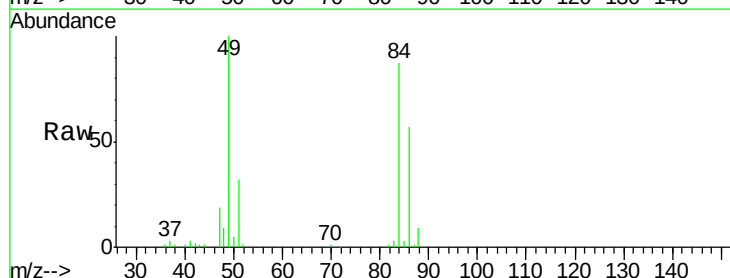
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

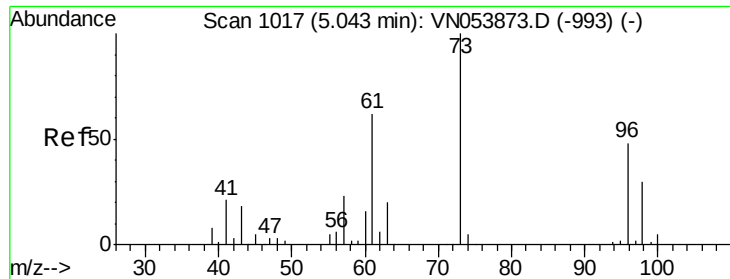
Tot Ion: 73 Resp: 300349
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0



#20
Methylene Chloride
Concen: 18.679 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion: 84 Resp: 127960
Ion Ratio Lower Upper
84 100
49 114.3 89.7 134.5
51 37.1 27.8 41.8
86 65.2 51.3 76.9

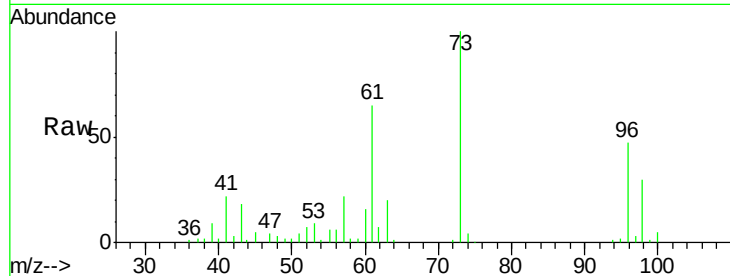




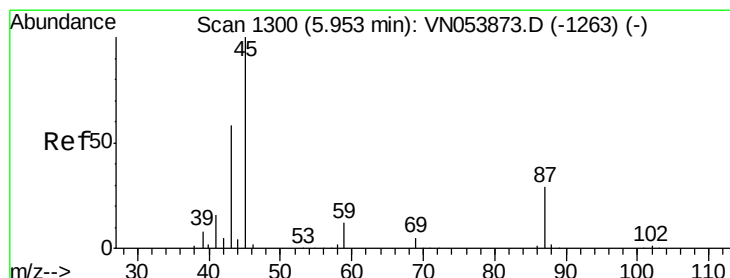
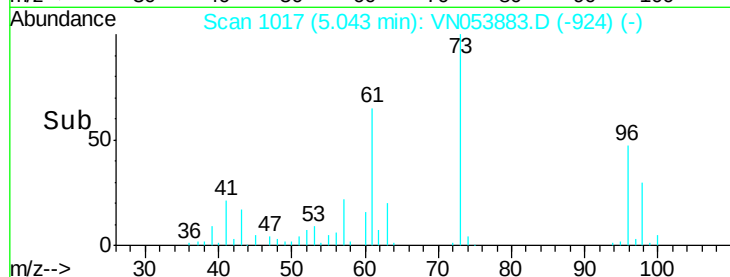
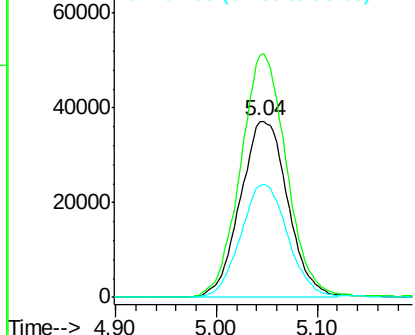
#21
trans-1,2-Dichloroethene
Concen: 19.173 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion: 96 Resp: 121571
Ion Ratio Lower Upper
96 100
61 137.6 104.5 156.7
98 63.6 50.6 76.0

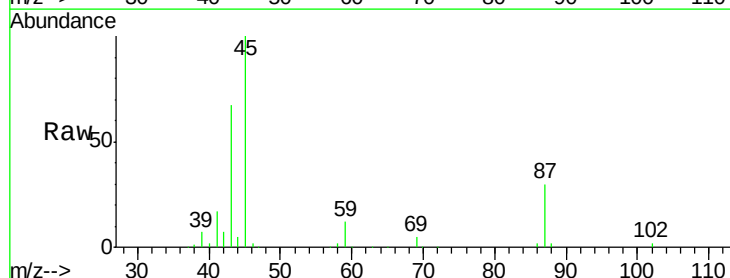


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

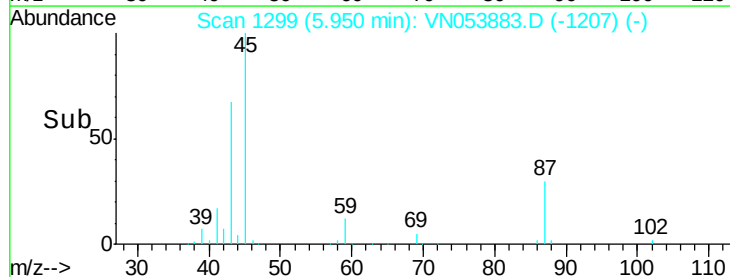
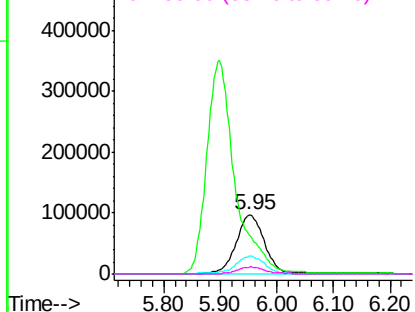


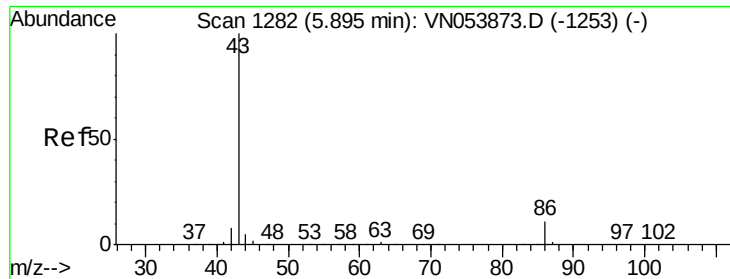
#22
Diisopropyl ether
Concen: 20.361 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion: 45 Resp: 347041
Ion Ratio Lower Upper
45 100
43 64.3 46.2 69.4
87 29.2 23.4 35.0
59 11.5 9.4 14.0



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





#23

Vinyl Acetate

Concen: 98.982 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

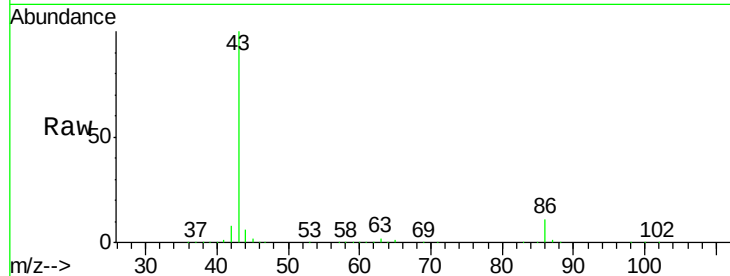
VN0221WBSD01

Tot Ion: 43 Resp: 1212830

Ion Ratio Lower Upper

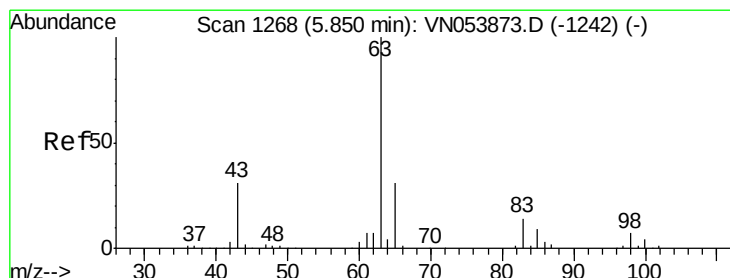
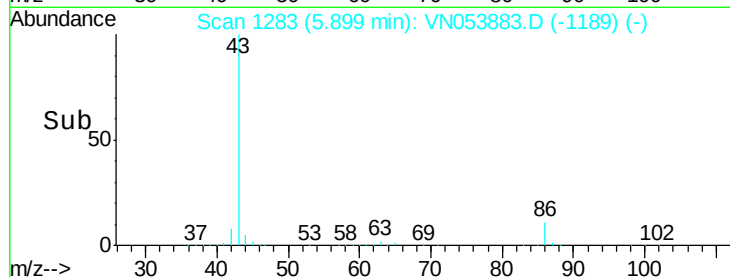
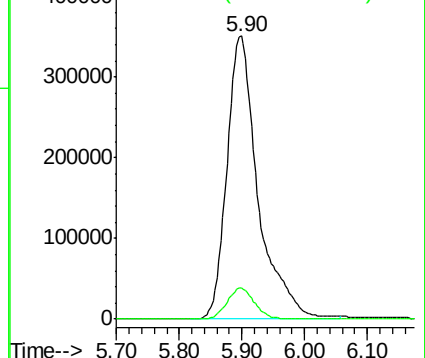
43 100

86 11.1 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.135 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

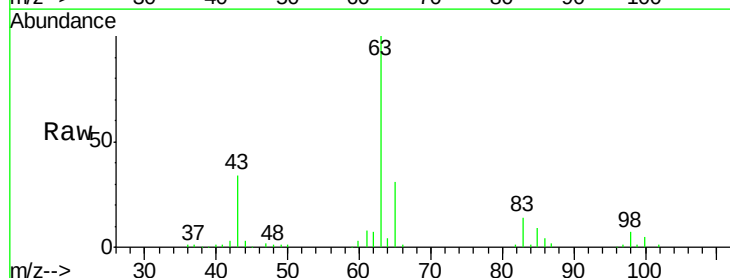
Tgt Ion: 63 Resp: 220813

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

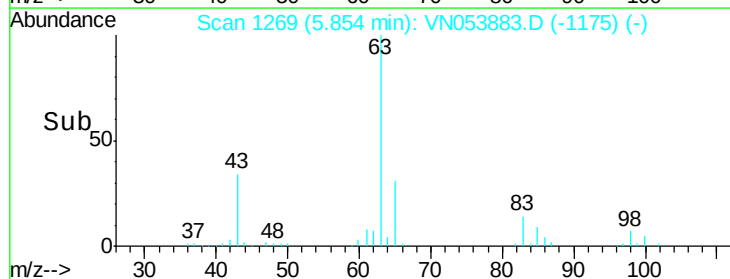
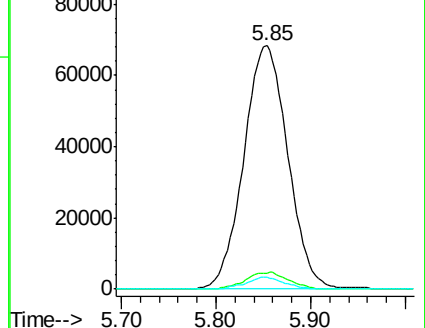
100 4.8 2.2 6.6

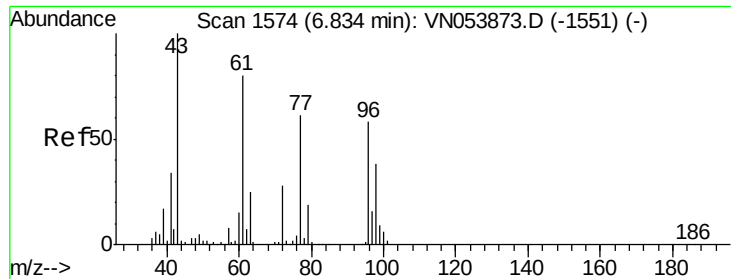


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 95.416 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

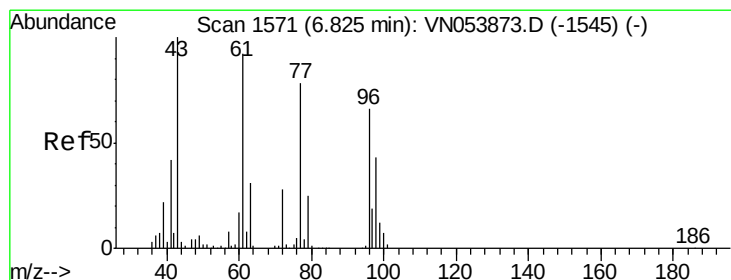
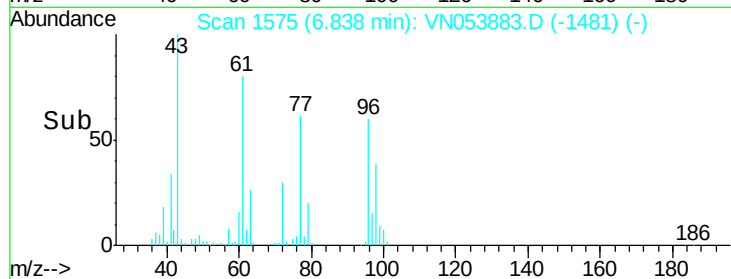
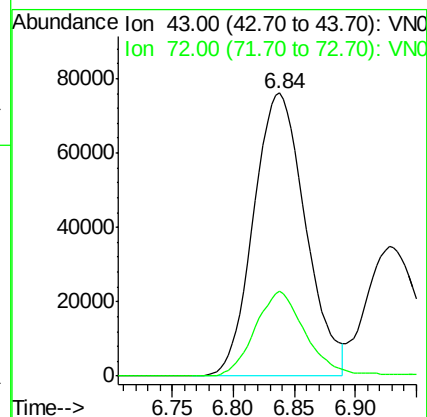
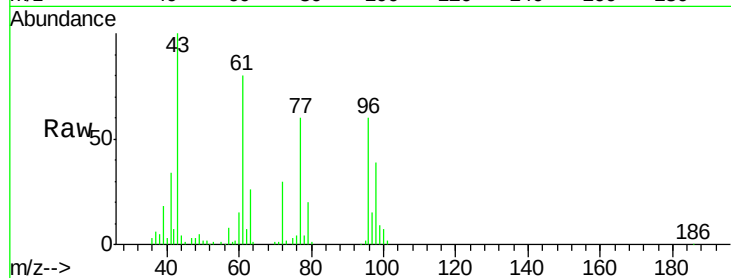
VN0221WBSD01

Tot Ion: 43 Resp: 225287

Ion Ratio Lower Upper

43 100

72 29.9 22.1 33.1



#26

2,2-Dichloropropane

Concen: 18.964 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053883.D

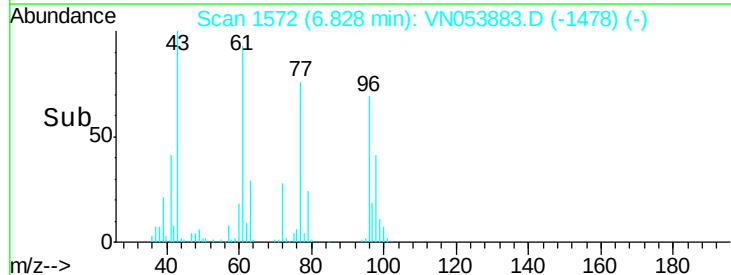
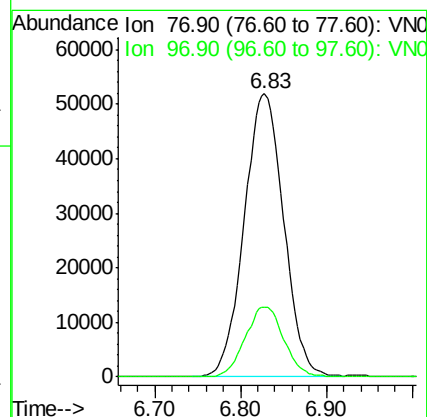
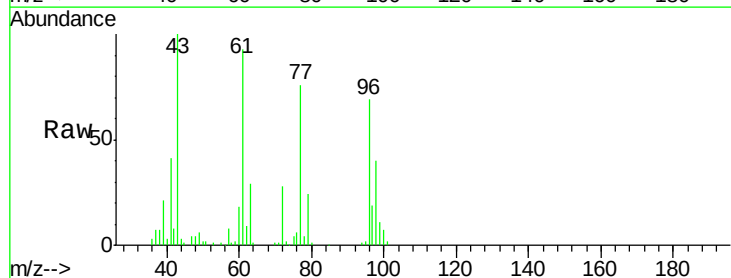
Acq: 21 Feb 2019 11:01

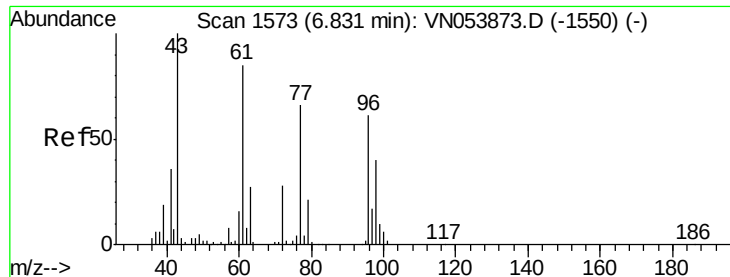
Tgt Ion: 77 Resp: 166065

Ion Ratio Lower Upper

77 100

97 24.1 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 19.563 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

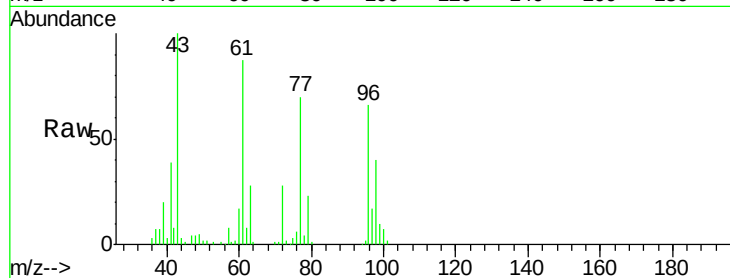
Tot Ion: 96 Resp: 138955

Ion Ratio Lower Upper

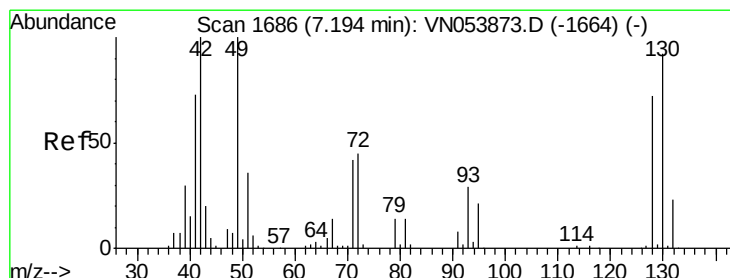
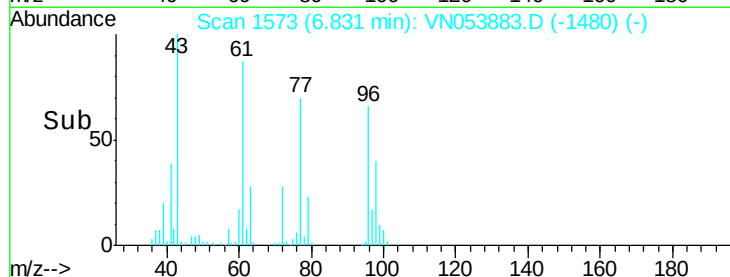
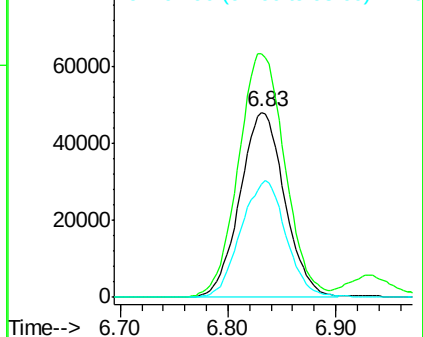
96 100

61 137.4 0.0 275.6

98 63.8 0.0 130.0



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



#28

Bromochloromethane

Concen: 20.015 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

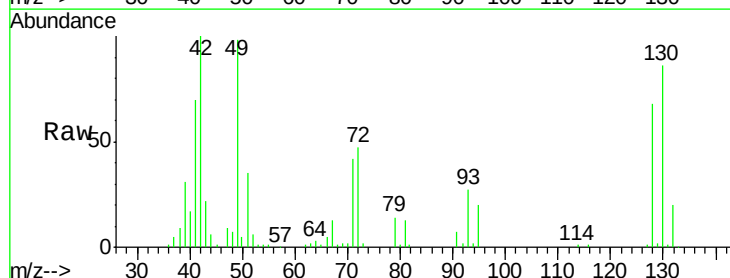
Tgt Ion: 49 Resp: 100806

Ion Ratio Lower Upper

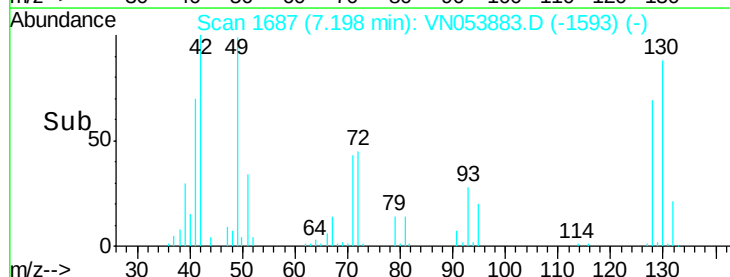
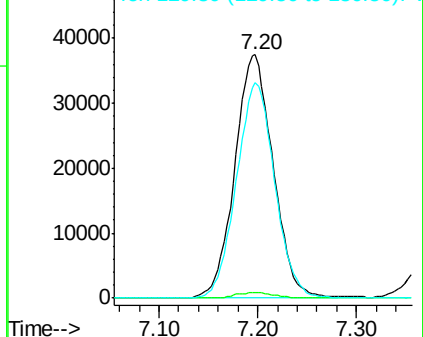
49 100

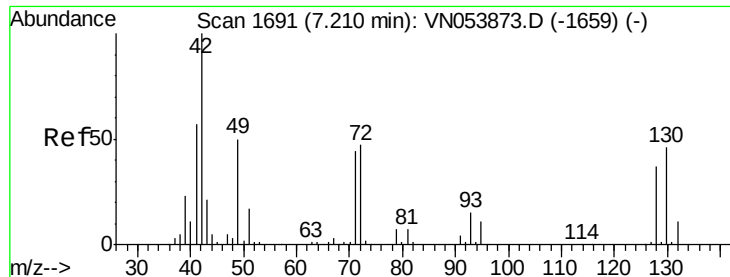
129 2.2 0.0 4.6

130 88.3 72.9 109.3



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





#29

Tetrahydrofuran

Concen: 99.357 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampled :

VN0221WBSD01

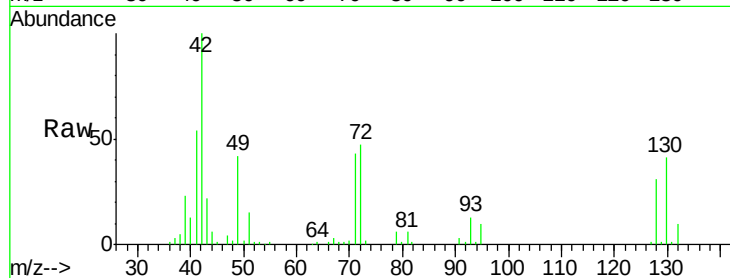
Tot Ion: 42 Resp: 151715

Ion Ratio Lower Upper

42 100

72 47.1 36.9 55.3

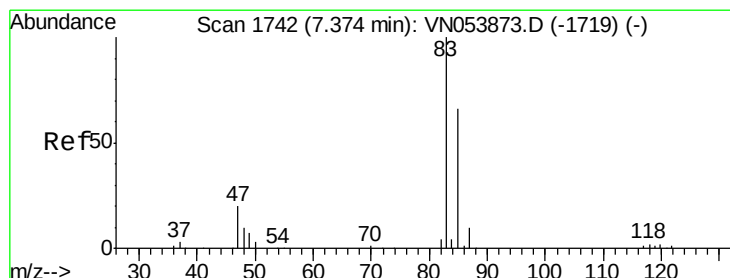
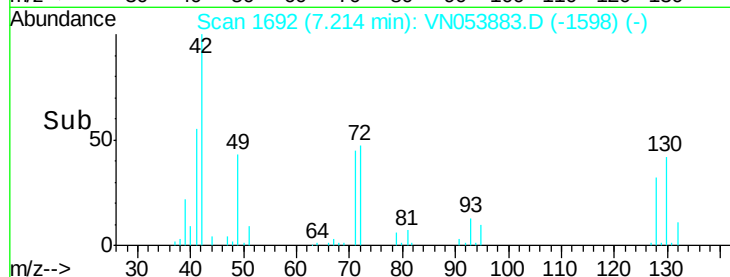
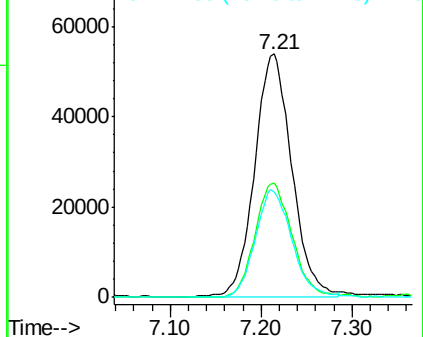
71 43.7 34.6 52.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.195 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053883.D

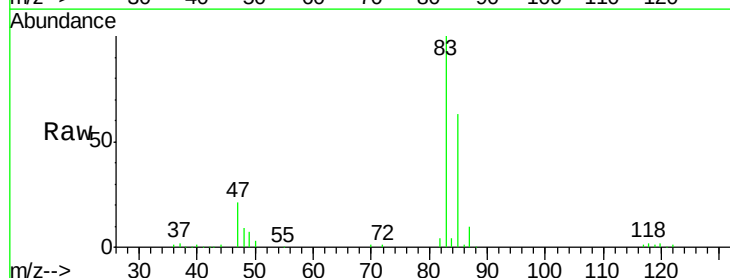
Acq: 21 Feb 2019 11:01

Tgt Ion: 83 Resp: 222569

Ion Ratio Lower Upper

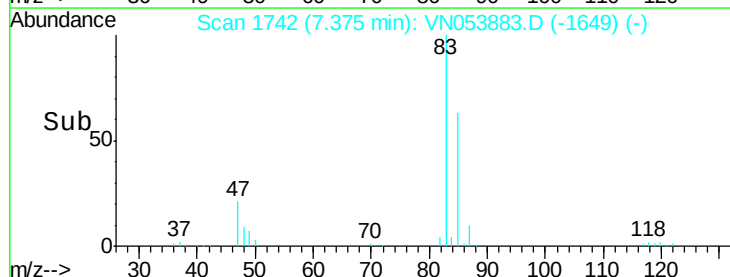
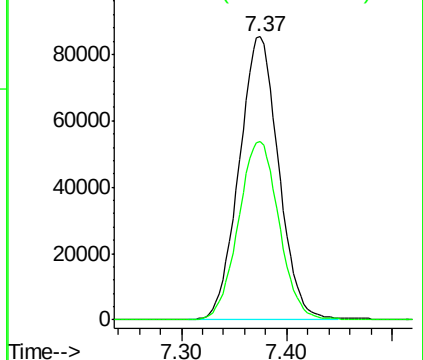
83 100

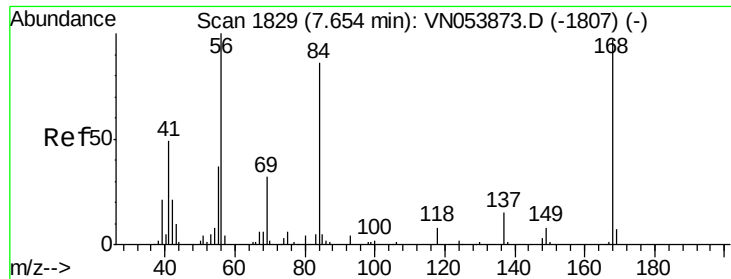
85 63.1 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.970 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

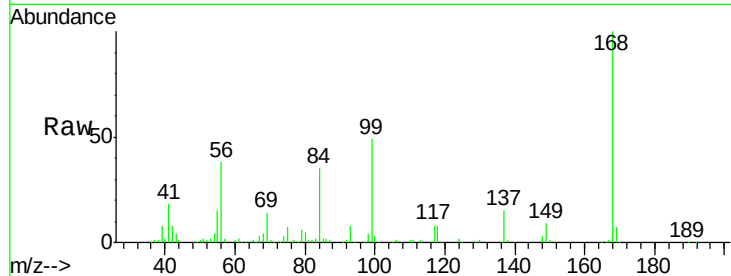
Tot Ion: 56 Resp: 203985

Ion Ratio Lower Upper

56 100

69 36.6 26.0 39.0

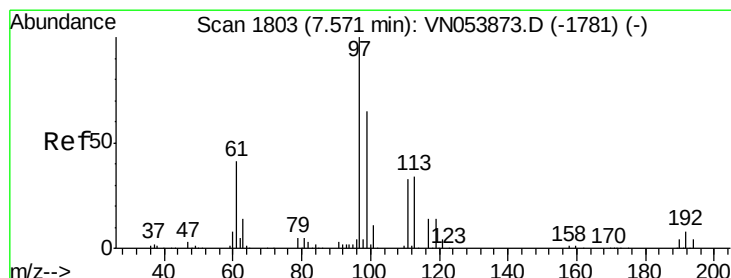
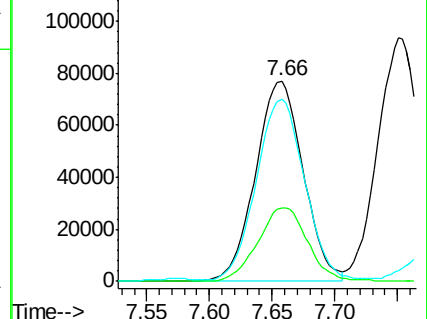
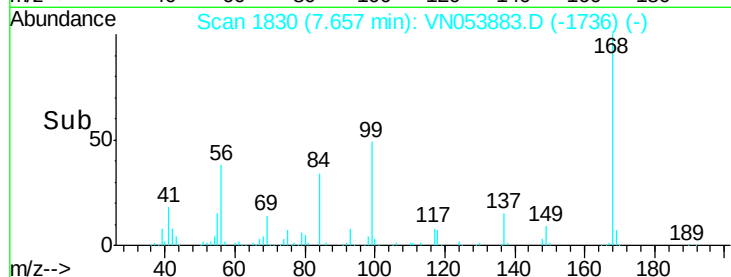
84 90.1 69.1 103.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.972 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

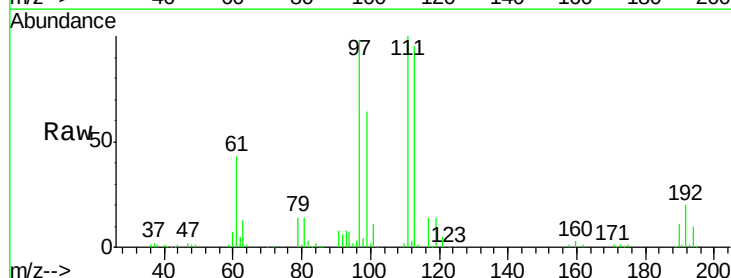
Tgt Ion: 97 Resp: 188223

Ion Ratio Lower Upper

97 100

99 65.3 51.8 77.8

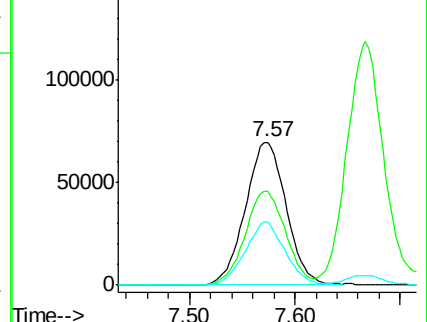
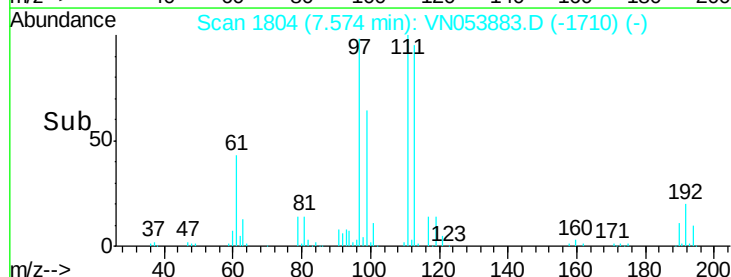
61 42.9 33.2 49.8

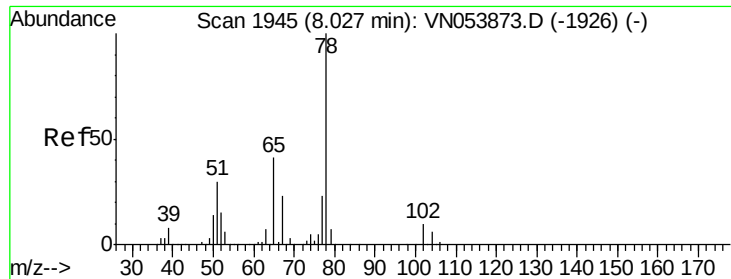


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

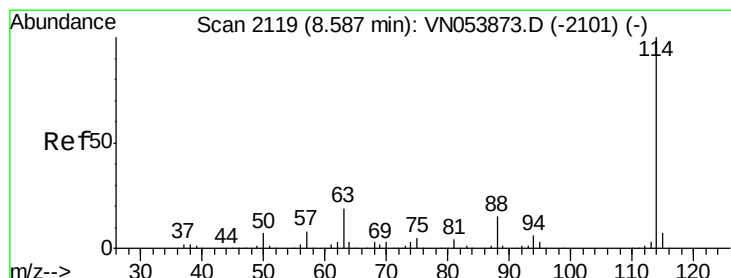
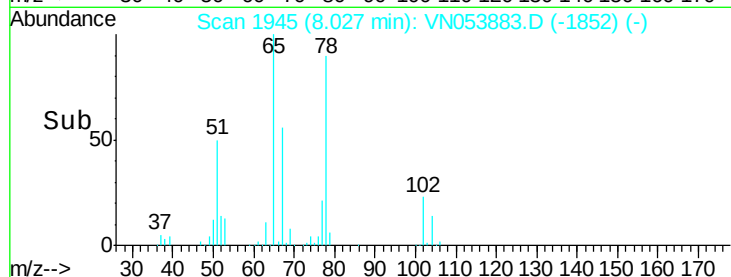
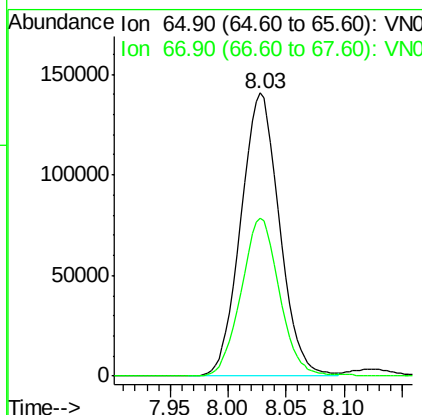
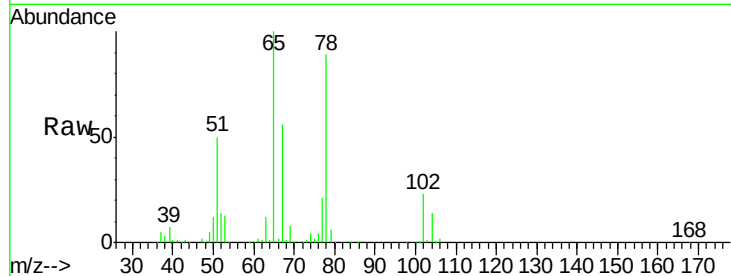




#33
 1,2-Dichloroethane-d4
 Concen: 49.182 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

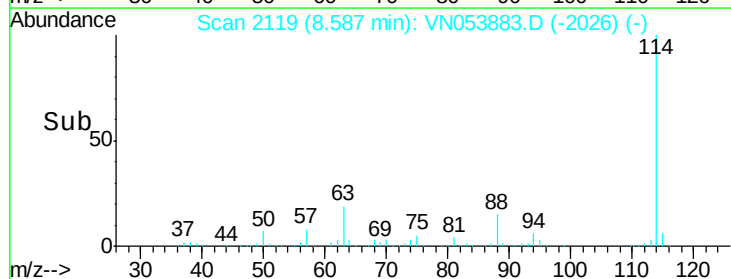
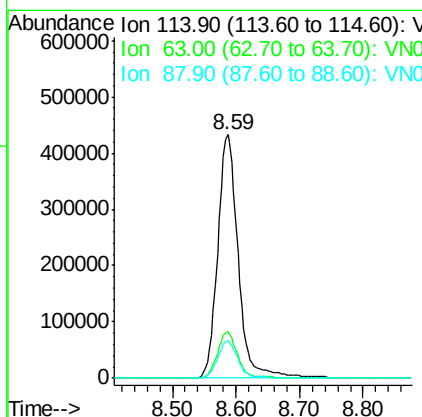
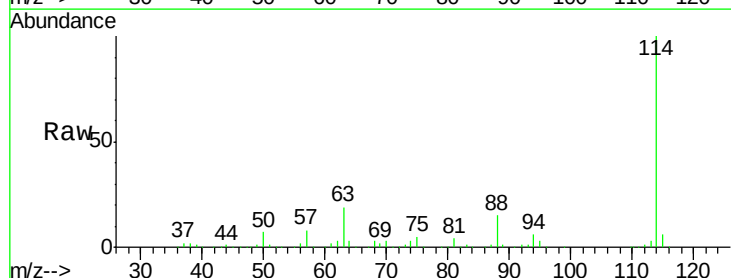
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

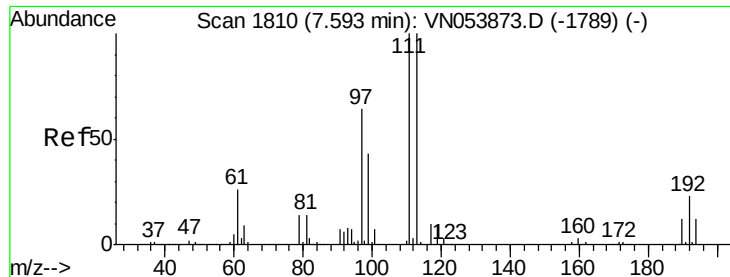
Tot Ion: 65 Resp: 327218
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion: 114 Resp: 969494
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.4
 88 15.3 0.0 30.4

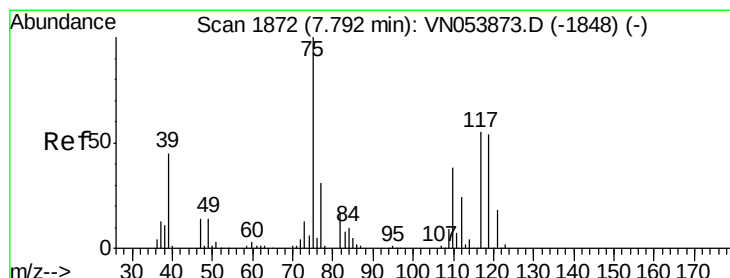
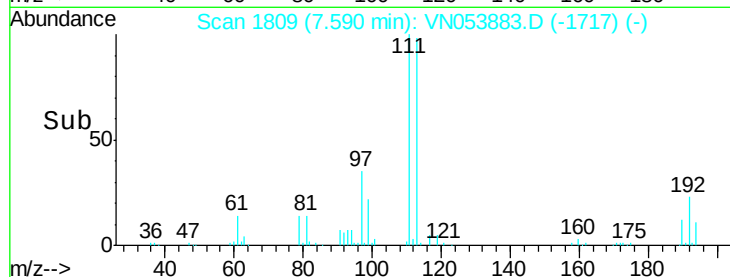
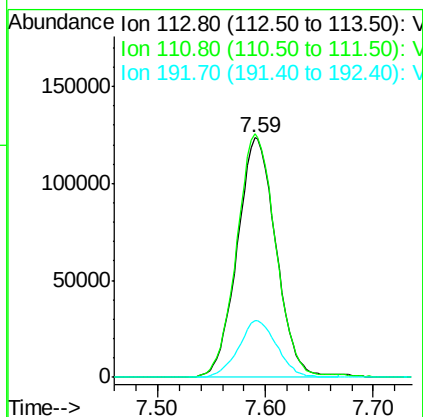
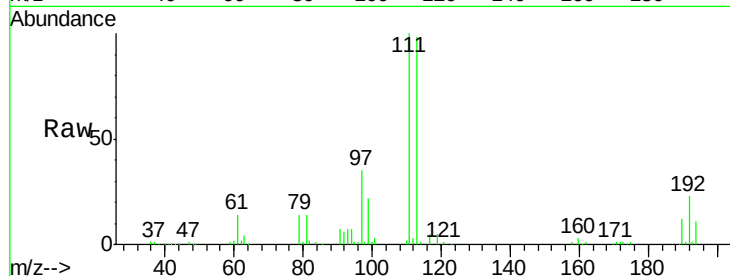




#35
 Dibromofluoromethane
 Concen: 48.527 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

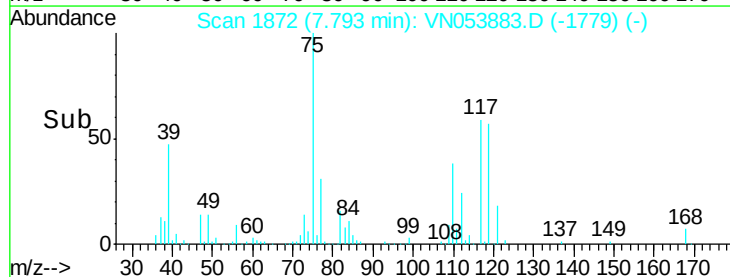
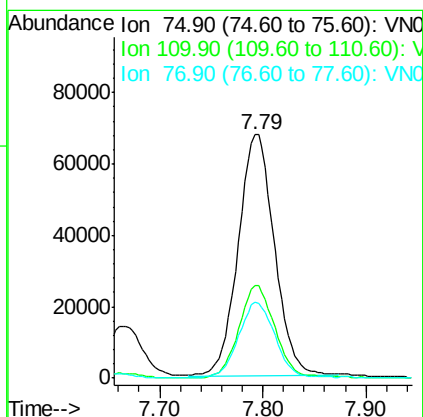
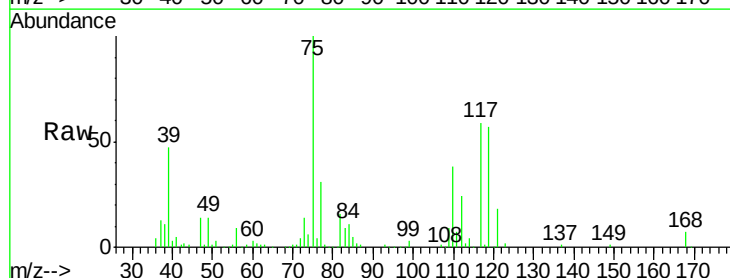
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

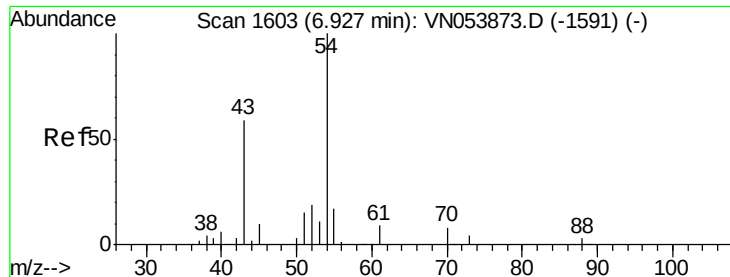
Tot Ion:113 Resp: 308756
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.1 121.7
 192 23.5 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 18.618 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion: 75 Resp: 165448
 Ion Ratio Lower Upper
 75 100
 110 38.1 19.0 57.0
 77 32.0 25.4 38.0

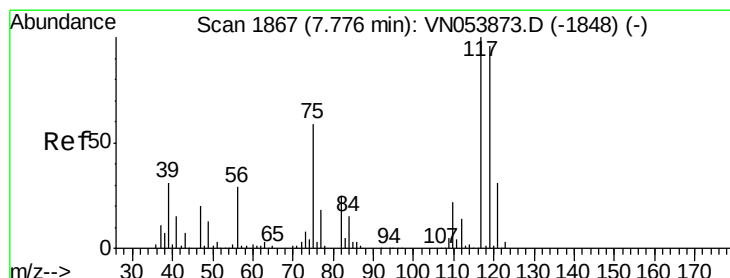
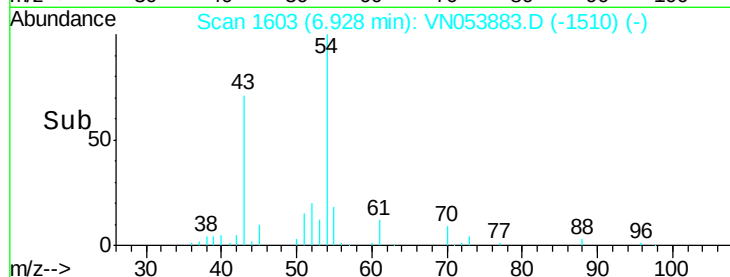
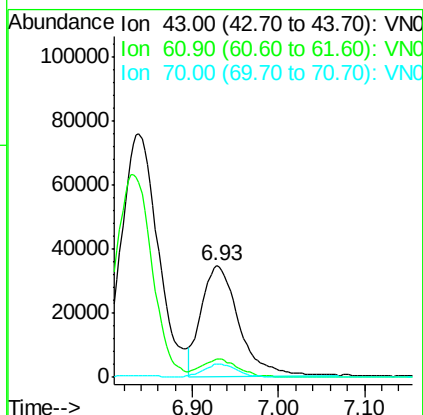
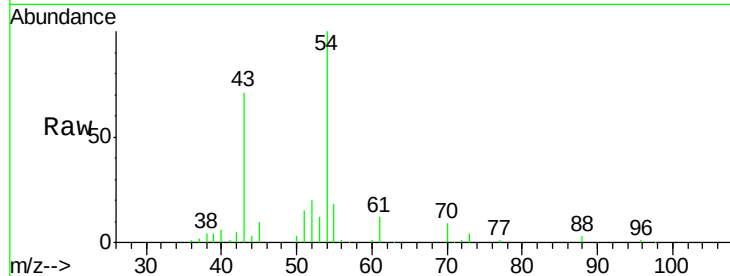




#37
Ethyl Acetate
Concen: 19.810 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

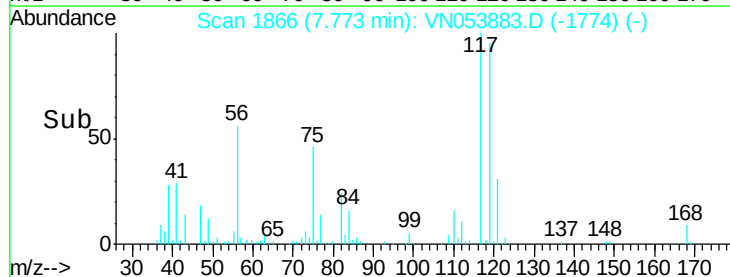
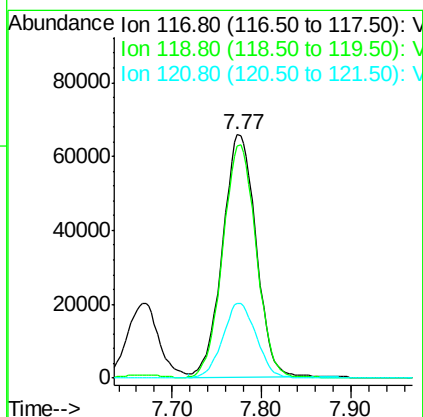
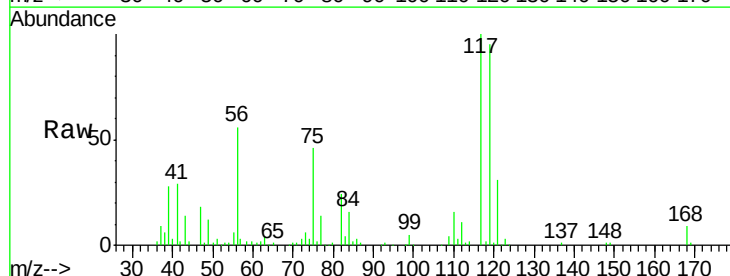
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

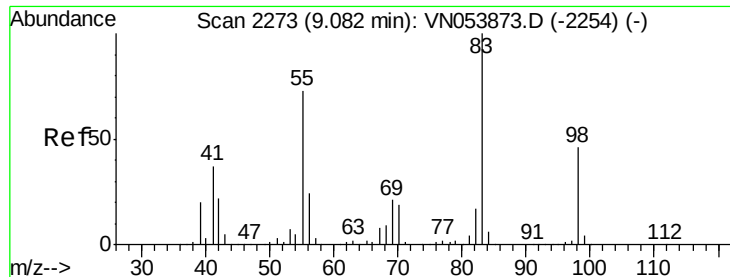
Tot Ion: 43 Resp: 105254
Ion Ratio Lower Upper
43 100
61 15.5 12.0 18.0
70 11.0 8.7 13.1



#38
Carbon Tetrachloride
Concen: 19.299 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion: 117 Resp: 171232
Ion Ratio Lower Upper
117 100
119 95.3 76.2 114.2
121 31.0 24.6 36.8

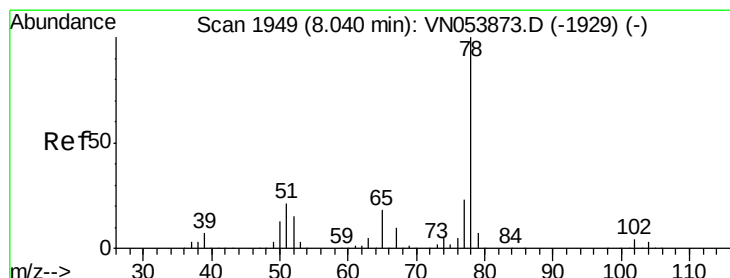
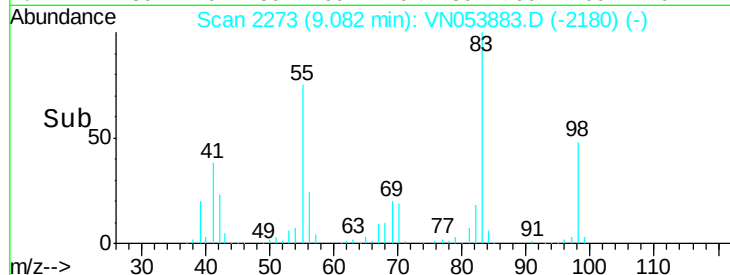
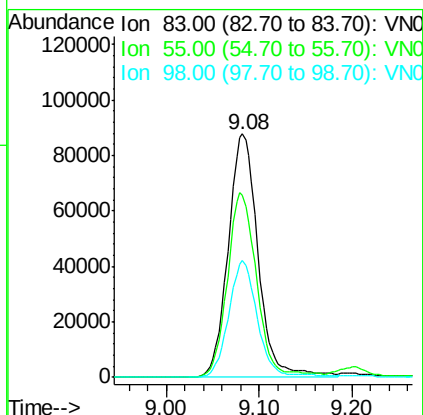
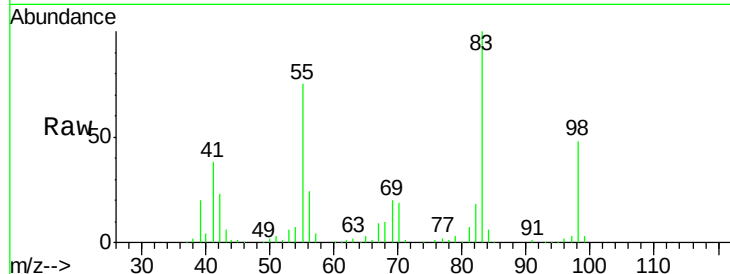




#39
Methylvlcyclohexane
Concen: 19.216 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

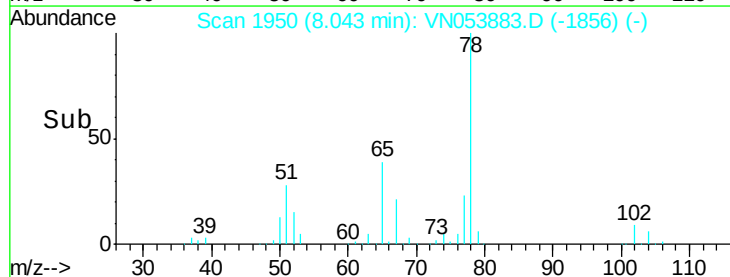
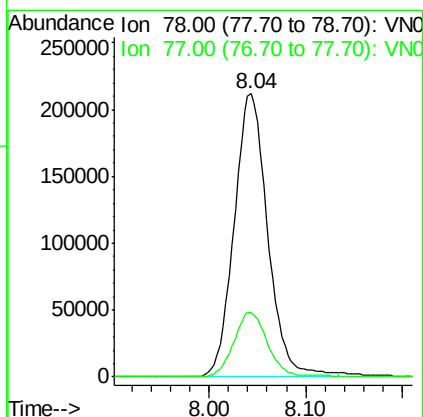
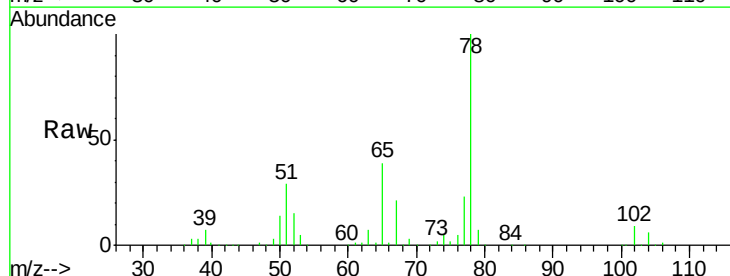
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

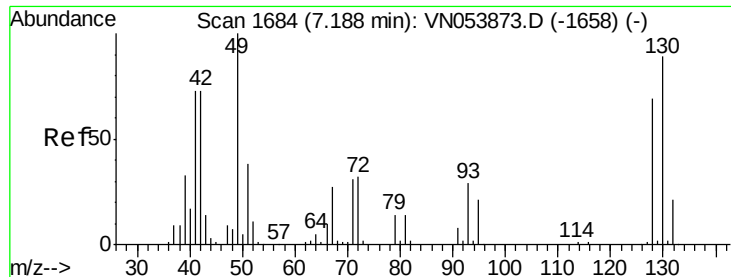
Tot Ion: 83 Resp: 196767
Ion Ratio Lower Upper
83 100
55 74.7 58.2 87.4
98 47.9 37.2 55.8



#40
Benzene
Concen: 19.452 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion: 78 Resp: 511036
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2

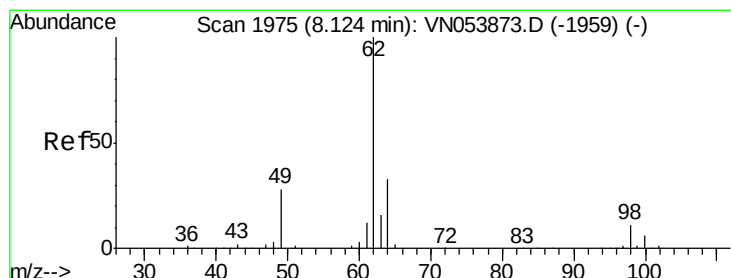
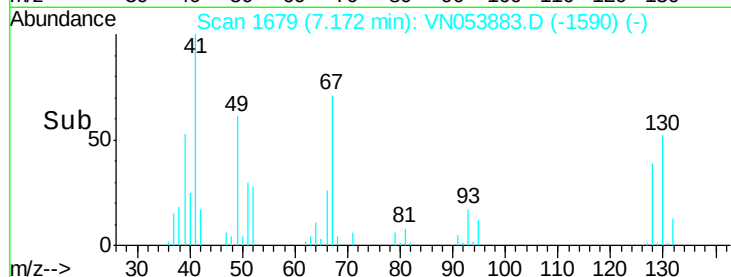
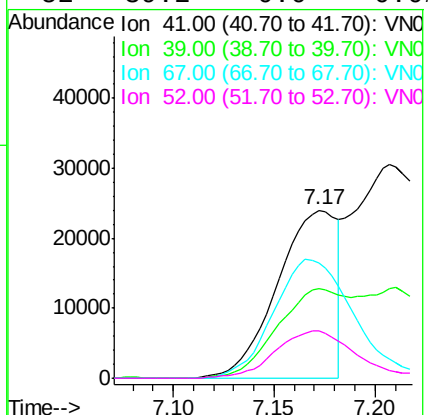
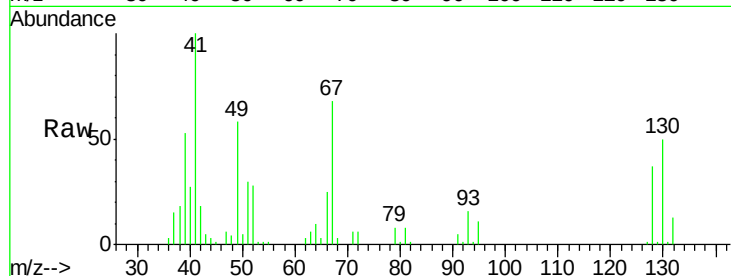




#41
Methacrylonitrile
Concen: 16.780 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

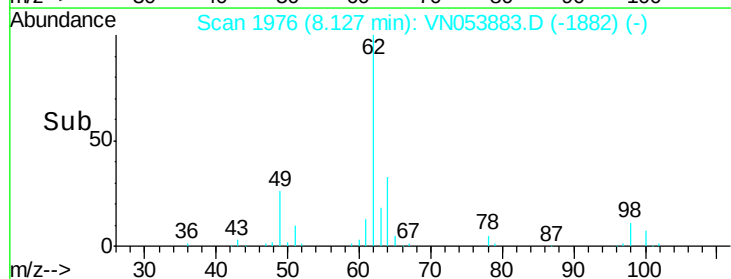
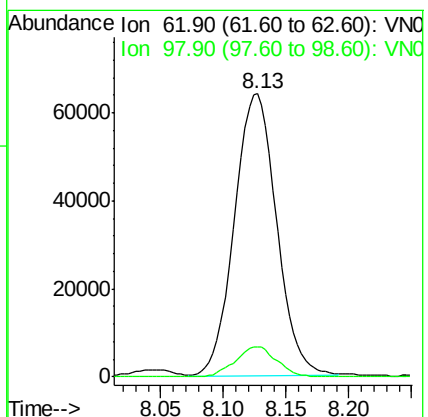
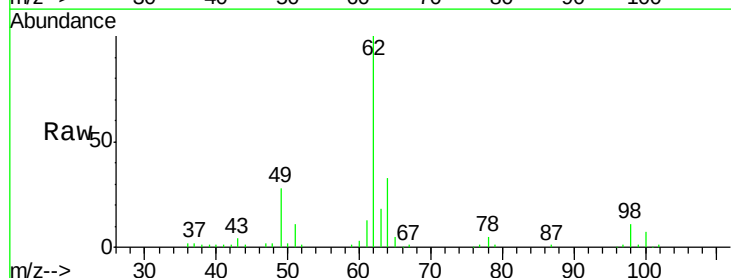
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

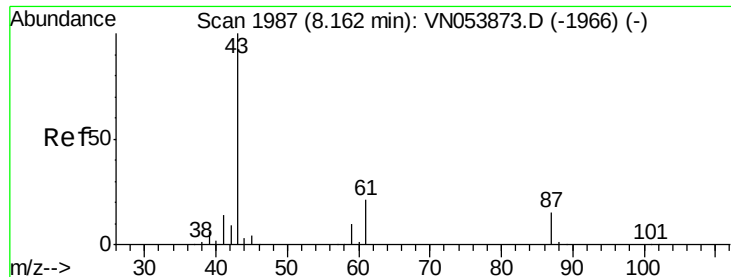
Tot Ion: 41 Resp: 49410
Ion Ratio Lower Upper
41 100
39 62.1 0.0 0.0#
67 95.6 0.0 0.0#
52 39.2 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.128 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion: 62 Resp: 149811
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.8





#43

Isopropyl Acetate

Concen: 18.902 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

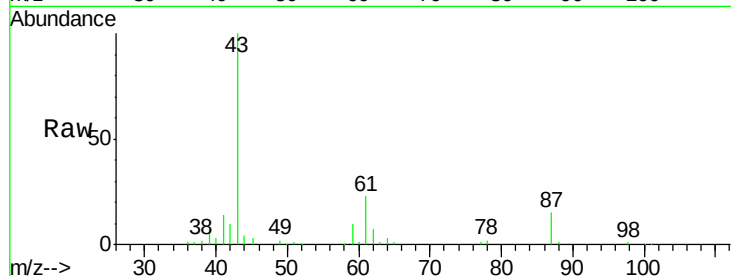
Tot Ion: 43 Resp: 179168

Ion Ratio Lower Upper

43 100

61 29.6 17.4 26.0#

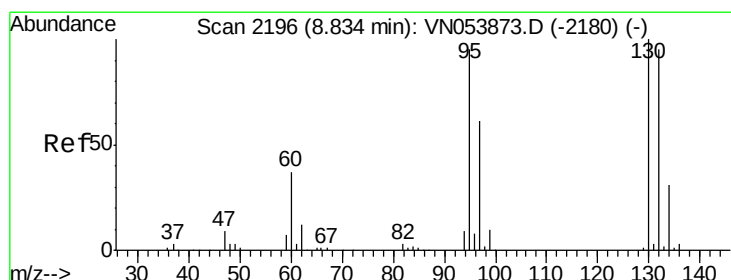
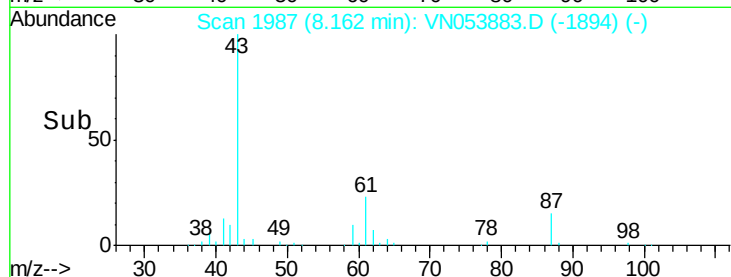
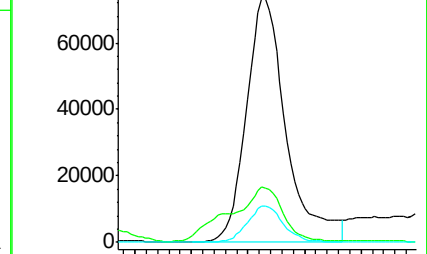
87 13.7 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN053883.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053883.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053883.D (-1966) (-)



#44

Trichloroethene

Concen: 19.568 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053883.D

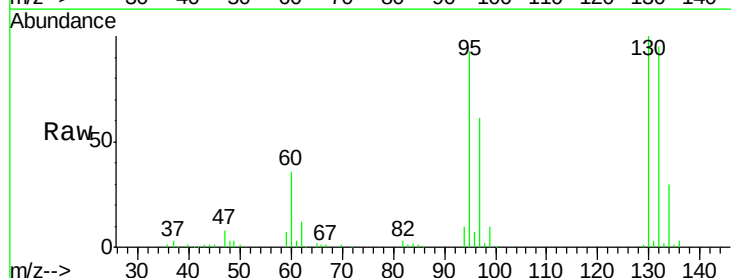
Acq: 21 Feb 2019 11:01

Tgt Ion:130 Resp: 143908

Ion Ratio Lower Upper

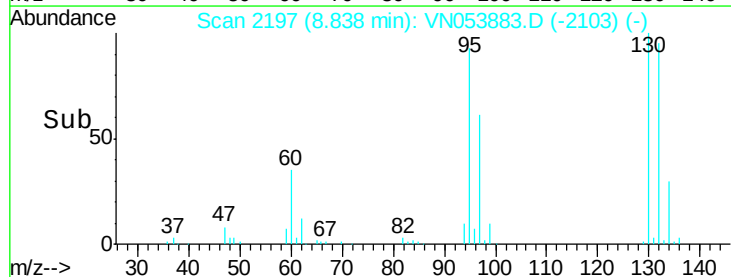
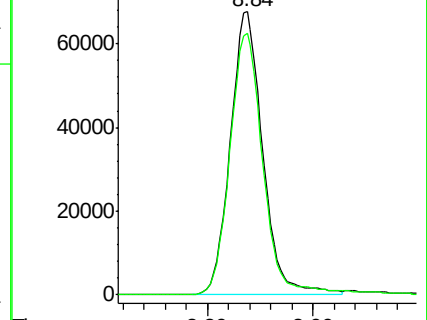
130 100

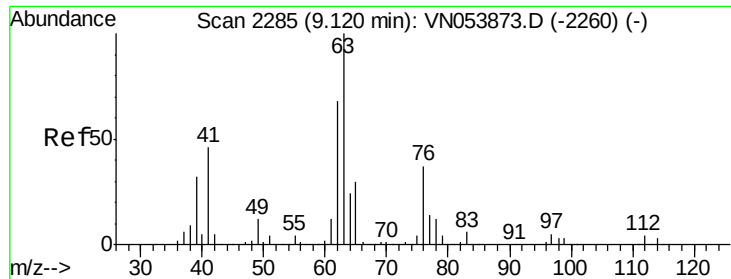
95 92.6 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN053883.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN053883.D (-2180) (-)

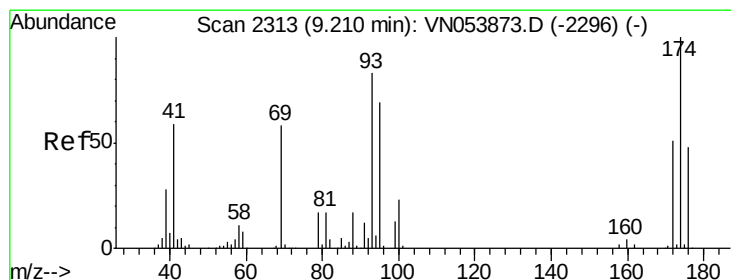
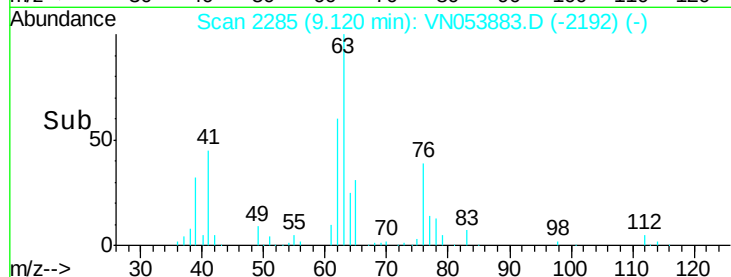
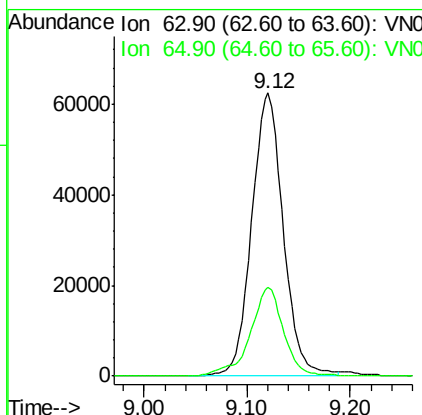
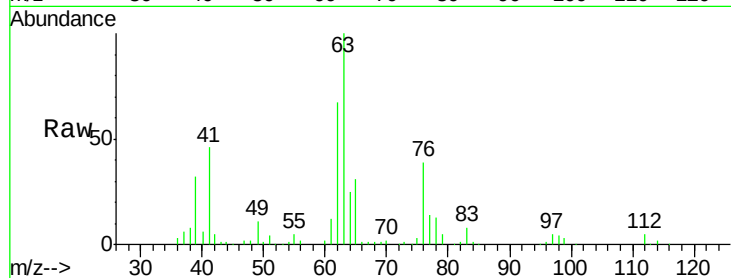




#45
 1,2-Dichloropropane
 Concen: 19.749 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

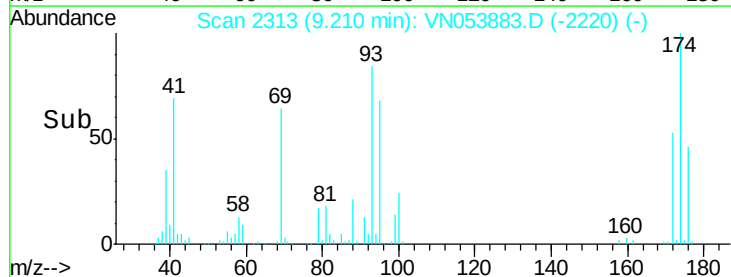
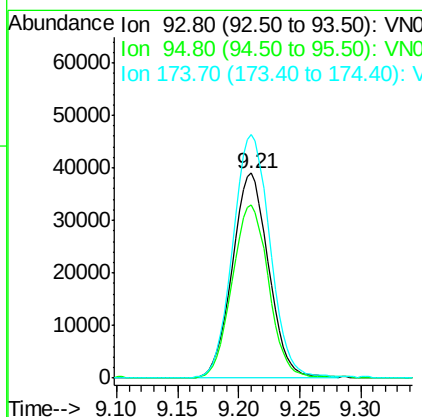
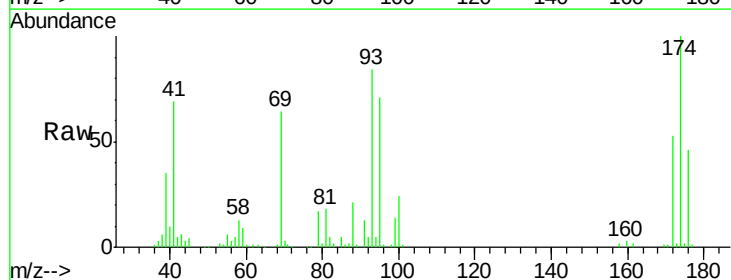
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

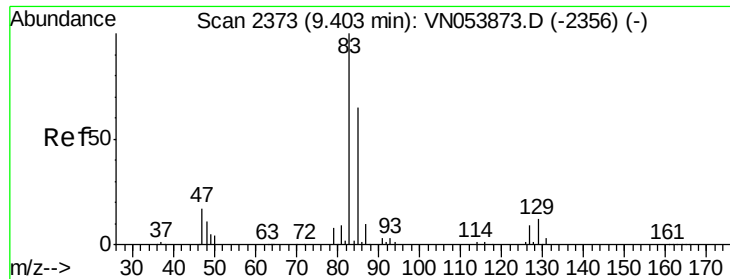
Tot Ion: 63 Resp: 132461
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.3 36.5



#46
 Dibromomethane
 Concen: 19.987 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion: 93 Resp: 80716
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.6 100.0
 174 121.6 96.2 144.4





#47

Bromodichloromethane

Concen: 19.664 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

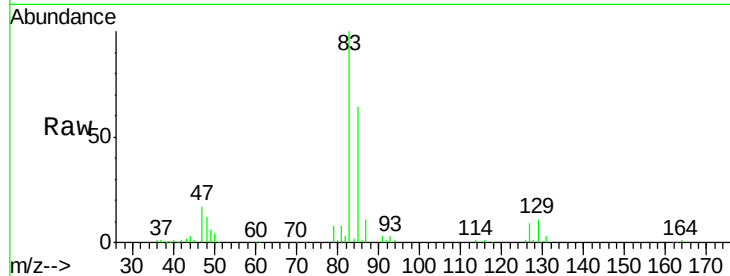
Tot Ion: 83 Resp: 167531

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.6

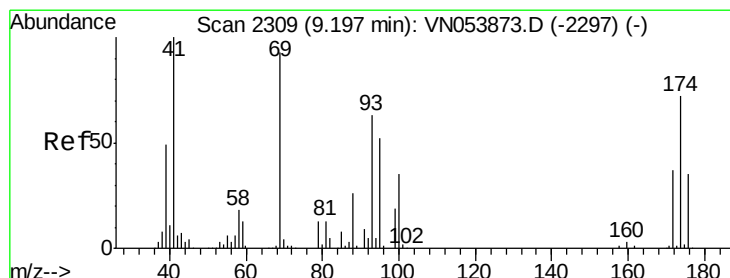
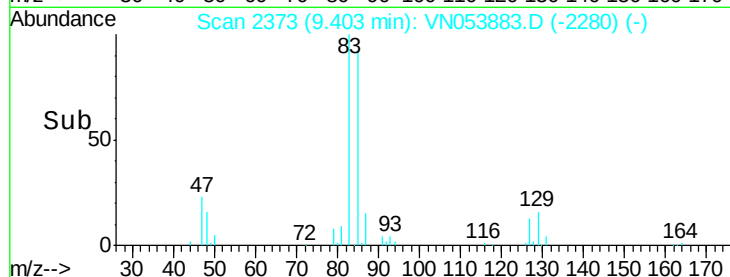
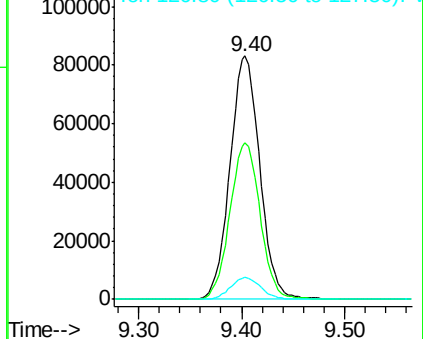
127 8.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.757 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

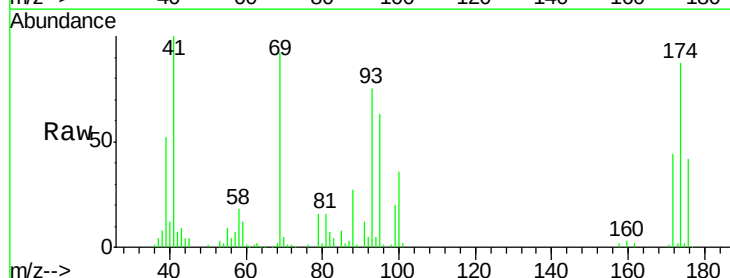
Tgt Ion: 41 Resp: 80295

Ion Ratio Lower Upper

41 100

69 98.0 74.8 112.2

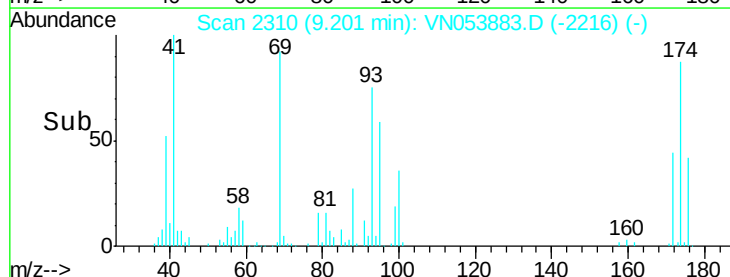
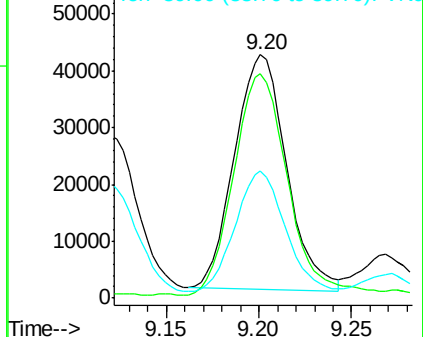
39 49.9 39.0 58.6

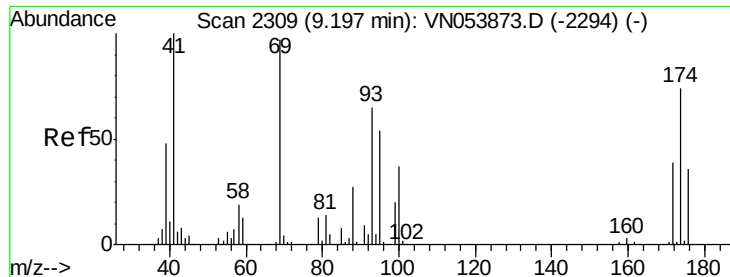


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

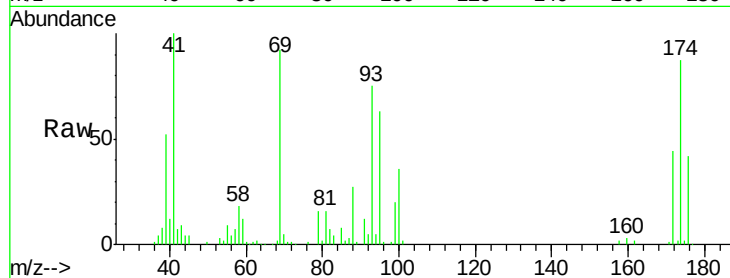




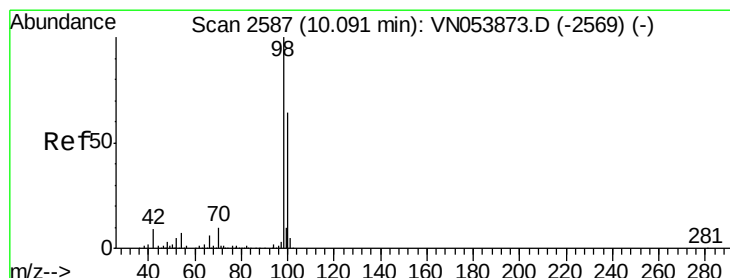
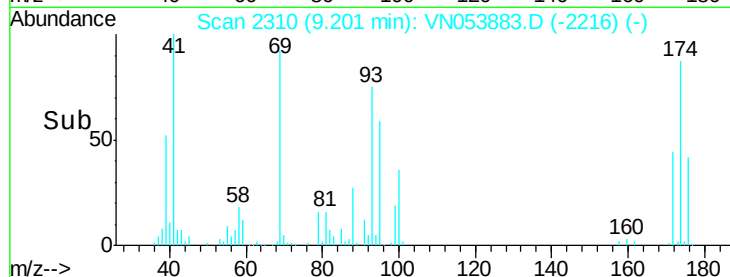
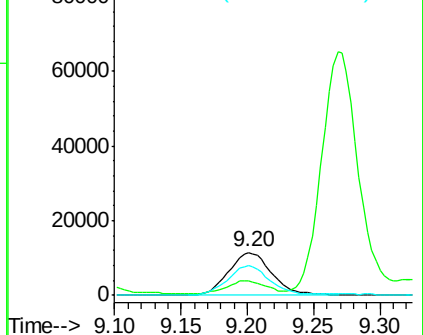
#49
 1,4-Dioxane
 Concen: 410.983 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Tot Ion: 88 Resp: 26170
 Ion Ratio Lower Upper
 88 100
 43 28.1 21.2 31.8
 58 67.5 54.2 81.2

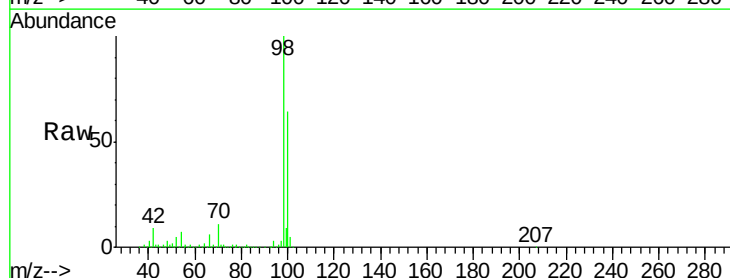


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

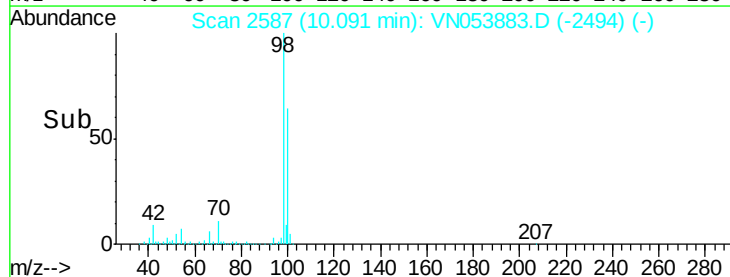
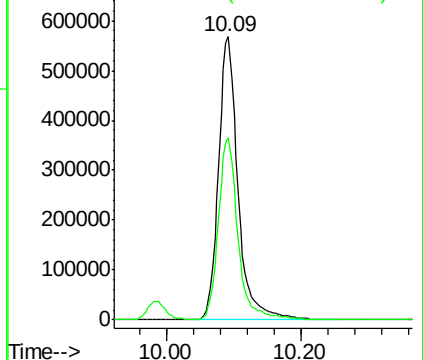


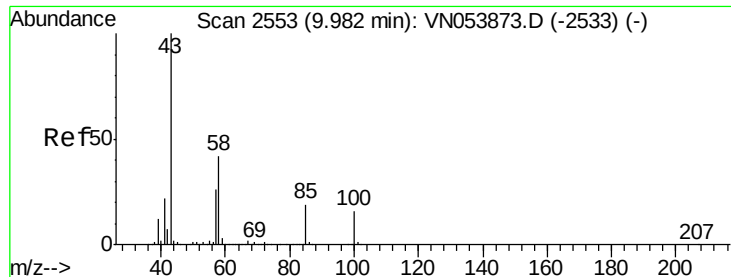
#50
 Toluene-d8
 Concen: 50.121 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion: 98 Resp: 1151787
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.9 77.9



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

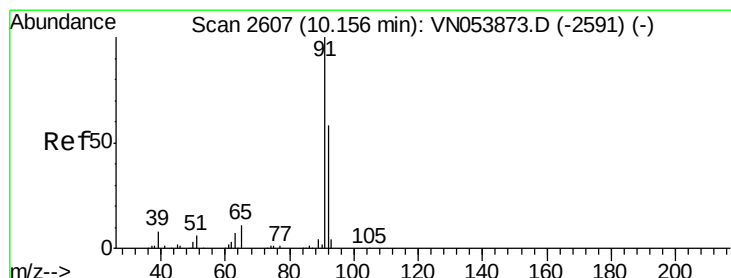
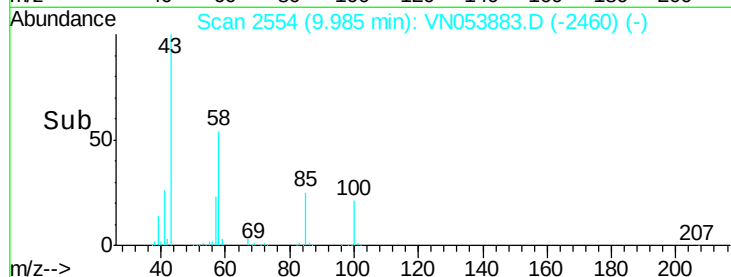
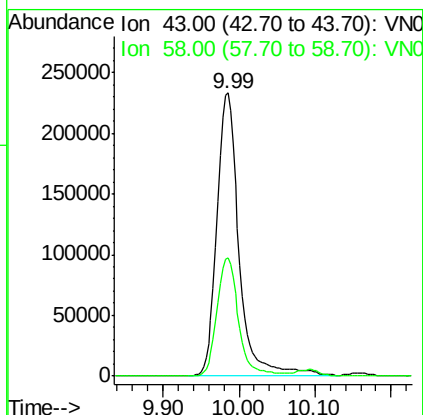
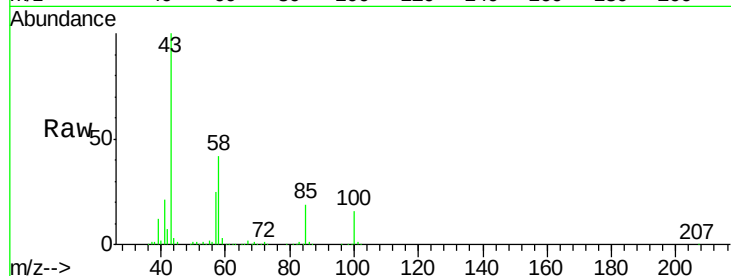




#51
4-Methyl-2-Pentanone
Concen: 100.576 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

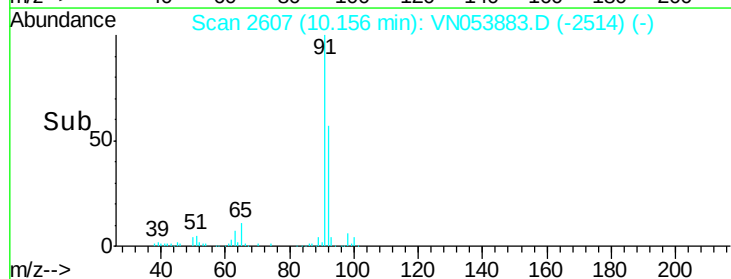
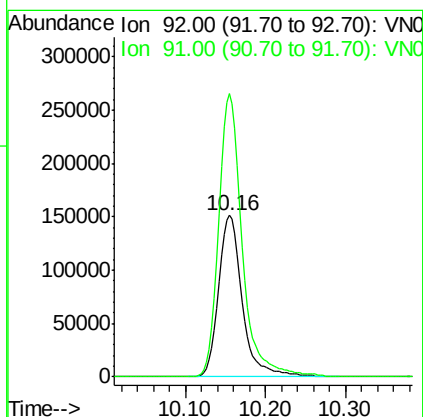
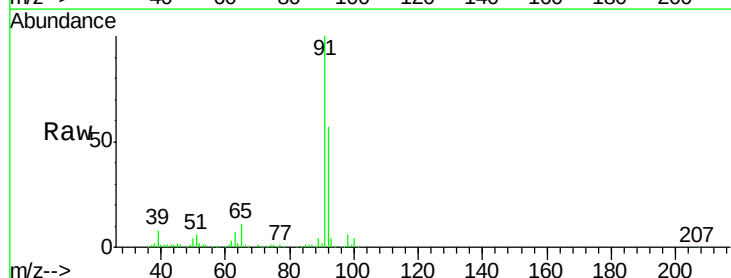
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

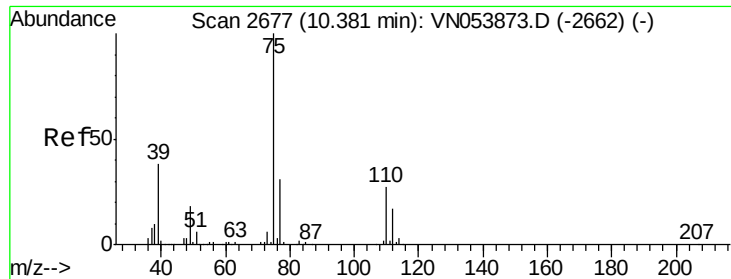
Tot Ion: 43 Resp: 470327
Ion Ratio Lower Upper
43 100
58 40.9 32.7 49.1



#52
Toluene
Concen: 20.054 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion: 92 Resp: 312202
Ion Ratio Lower Upper
92 100
91 173.9 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 19.404 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

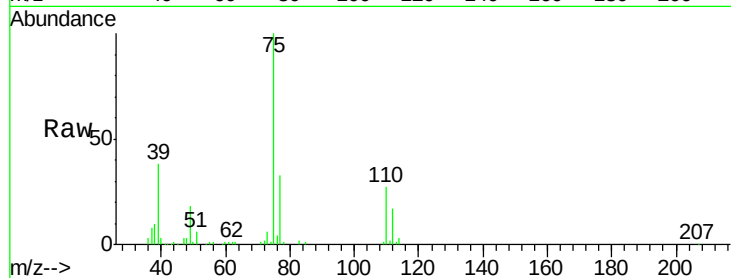
VN0221WBSD01

Tot Ion: 75 Resp: 160521

Ion Ratio Lower Upper

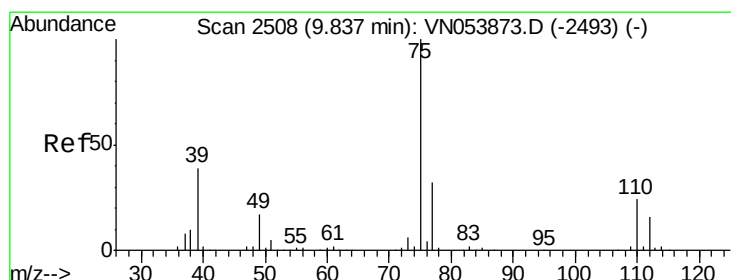
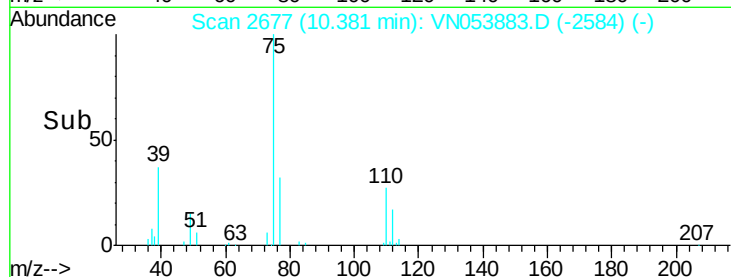
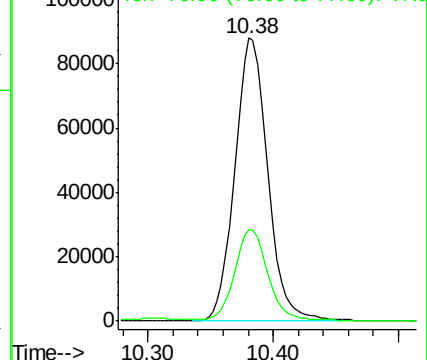
75 100

77 32.1 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.773 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

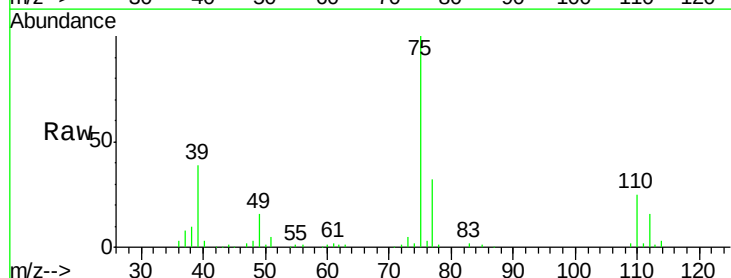
Tgt Ion: 75 Resp: 192803

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6

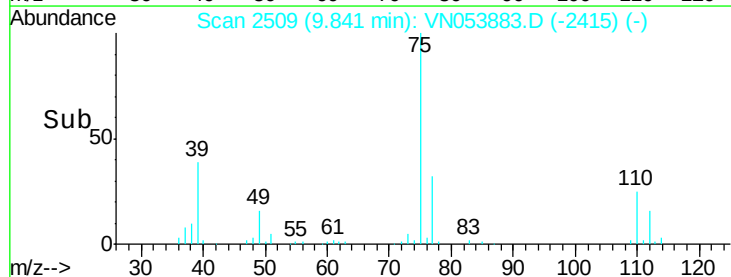
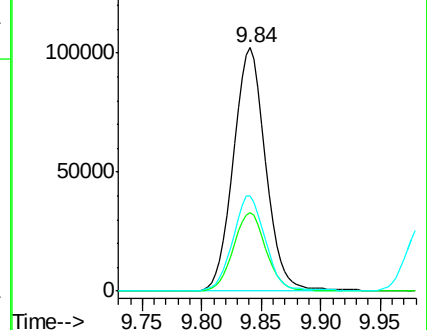
39 39.2 31.4 47.0

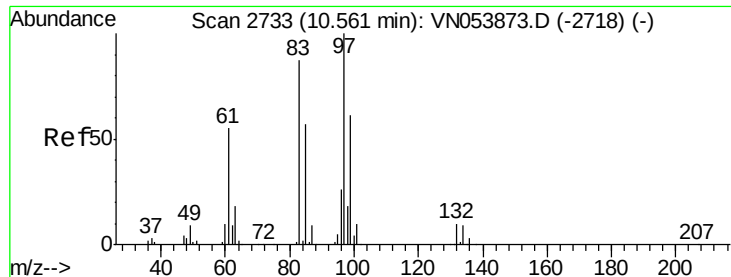


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

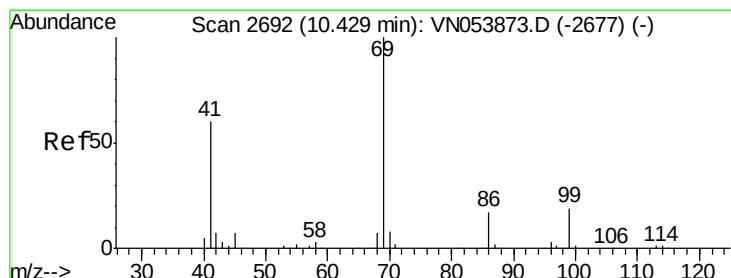
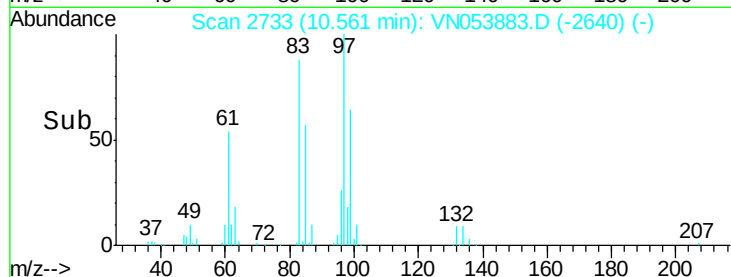
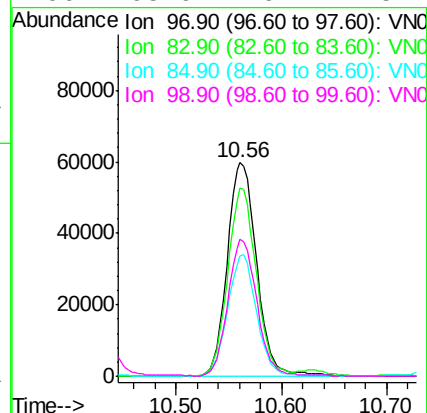
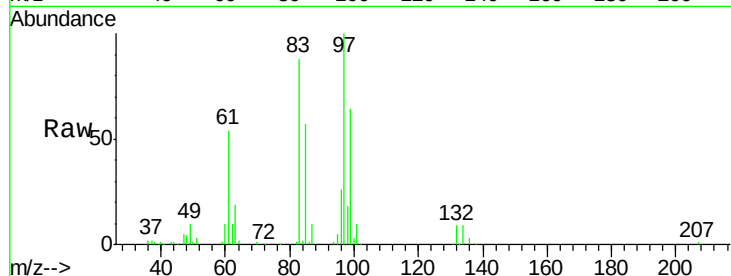




#55
 1,1,2-Trichloroethane
 Concen: 20.285 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

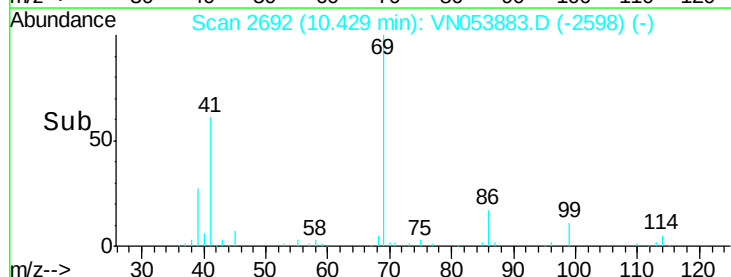
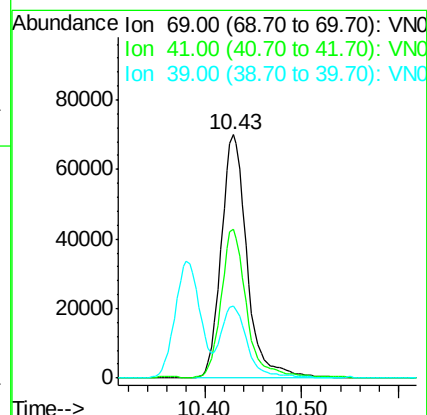
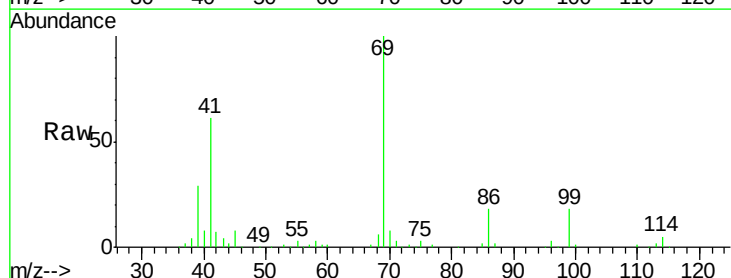
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

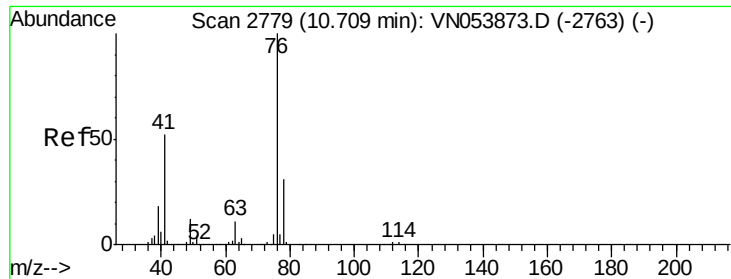
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.1	69.5	104.3	
85	56.6	45.9	68.9	
99	63.9	49.1	73.7	



#56
 Ethyl methacrylate
 Concen: 19.334 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	59.0	47.5	71.3	
39	30.3	23.4	35.0	

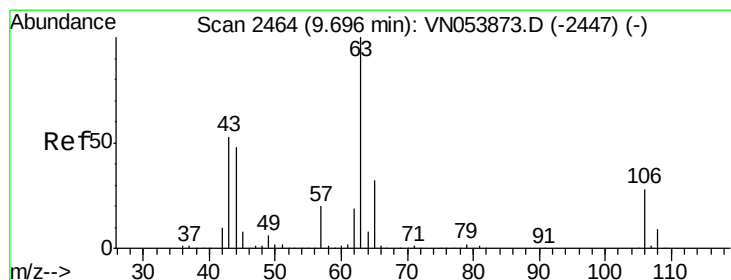
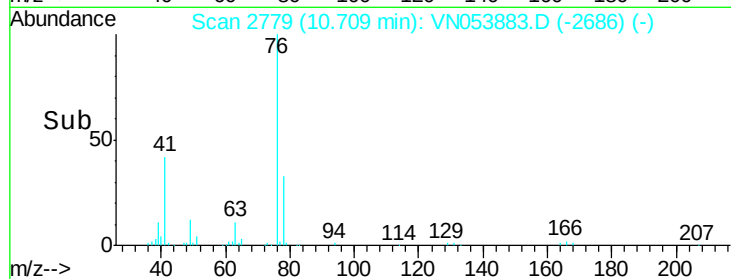
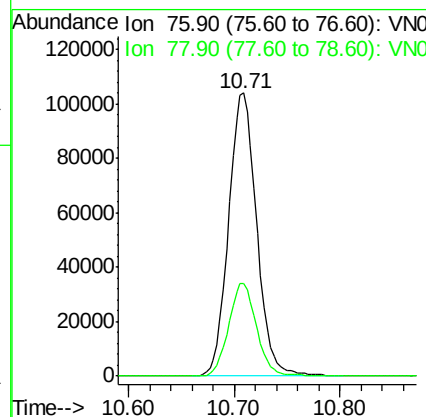
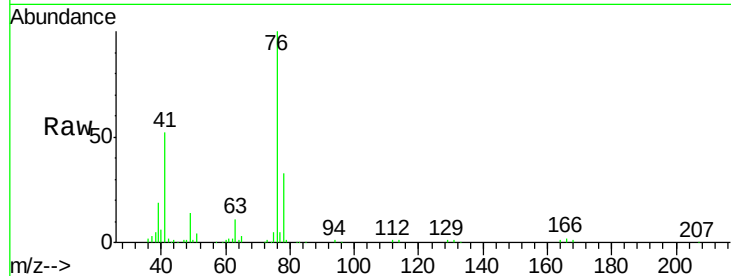




#57
 1,3-Dichloropropane
 Concen: 19.991 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

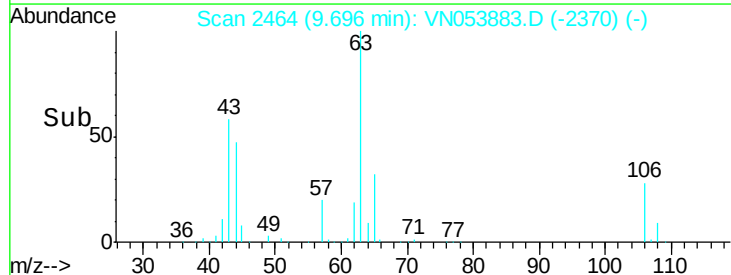
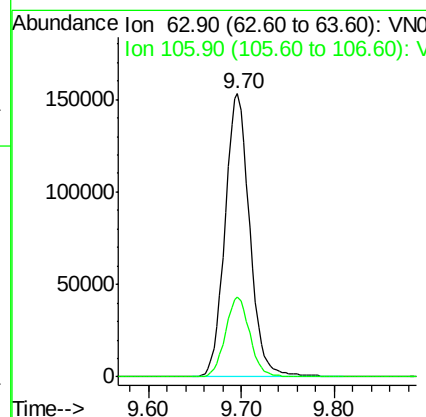
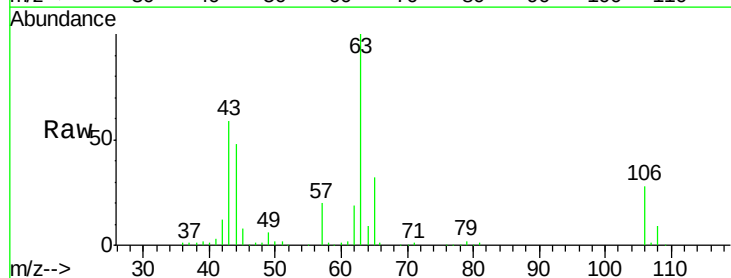
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

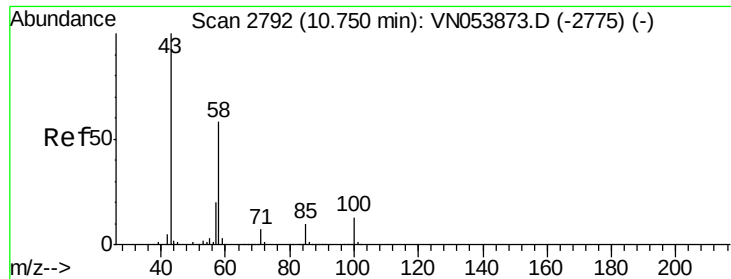
Tot Ion: 76 Resp: 191561
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.579 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion: 63 Resp: 282971
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.2 33.2

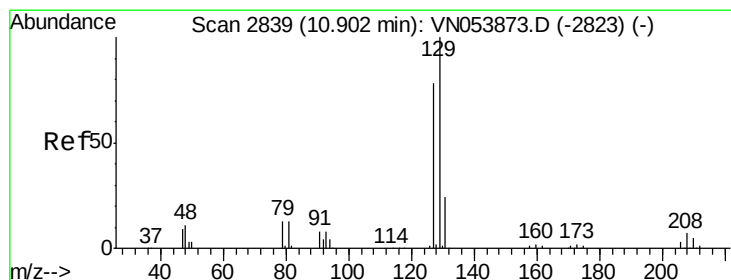
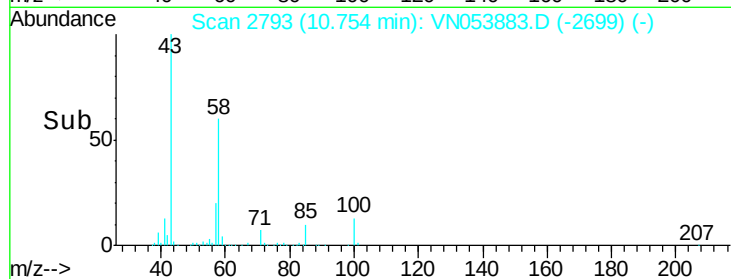
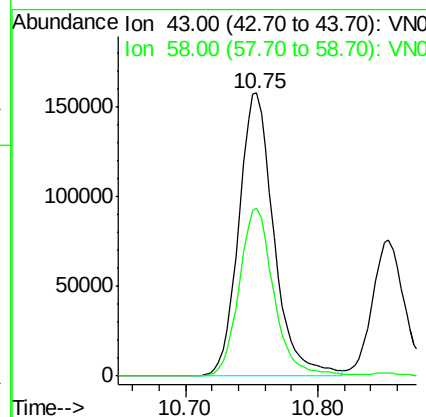
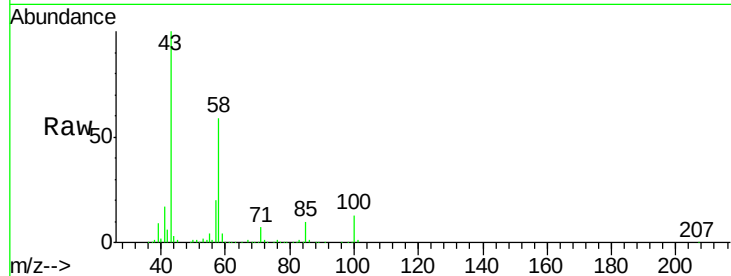




#59
2-Hexanone
Concen: 96.971 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

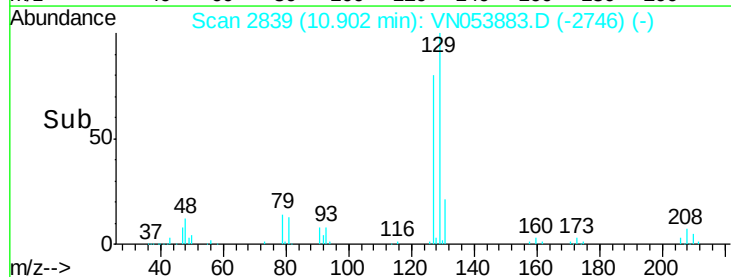
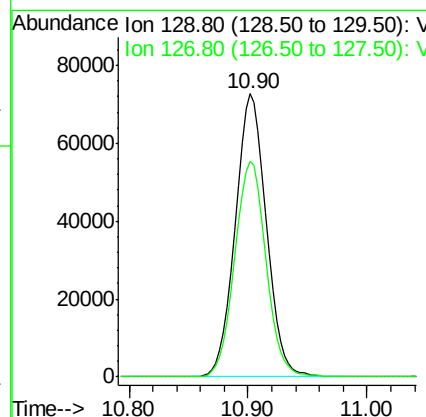
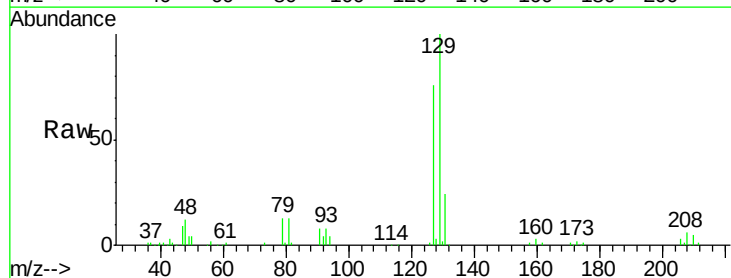
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

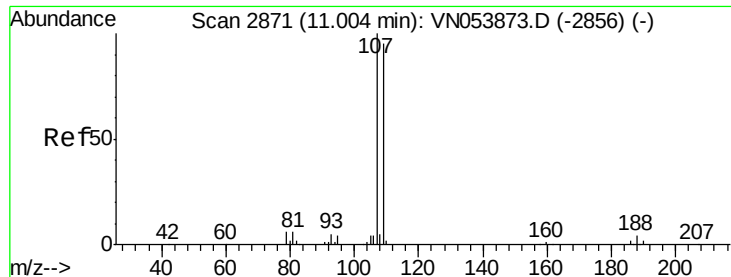
Tot Ion: 43 Resp: 288382
Ion Ratio Lower Upper
43 100
58 59.0 29.1 87.4



#60
Dibromochloromethane
Concen: 19.799 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion: 129 Resp: 131527
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3

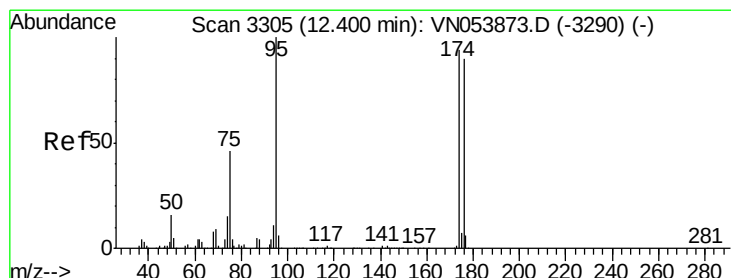
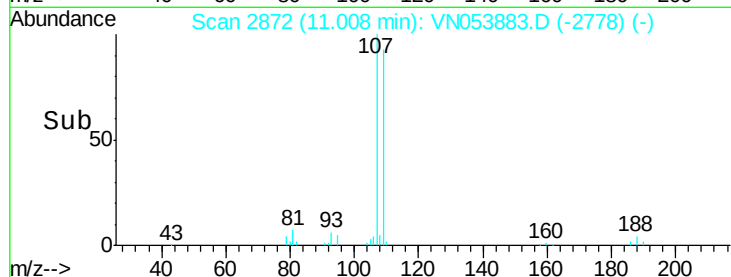
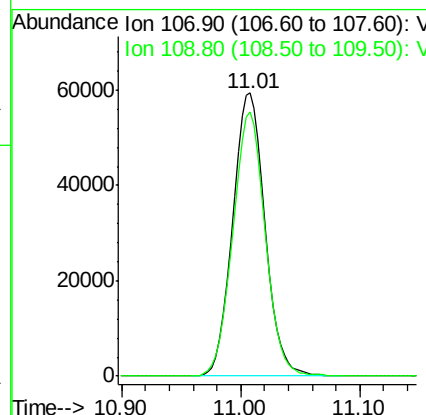
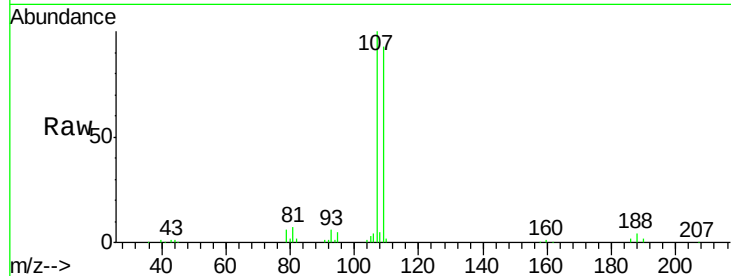




#61
1,2-Dibromoethane
Concen: 19.734 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

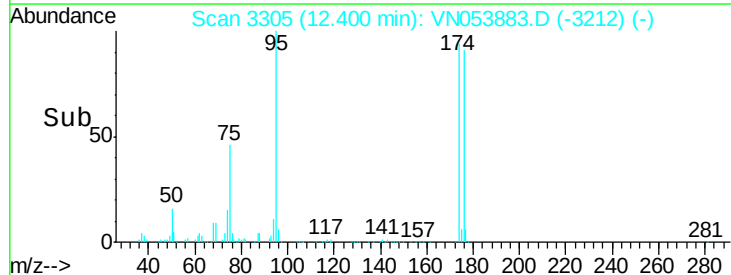
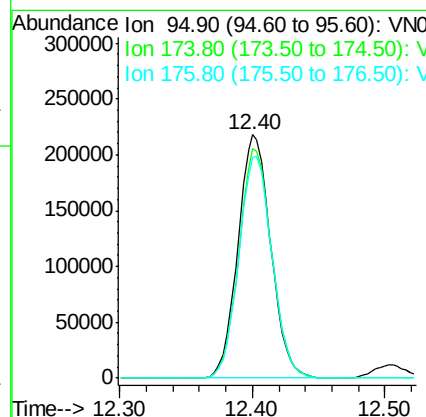
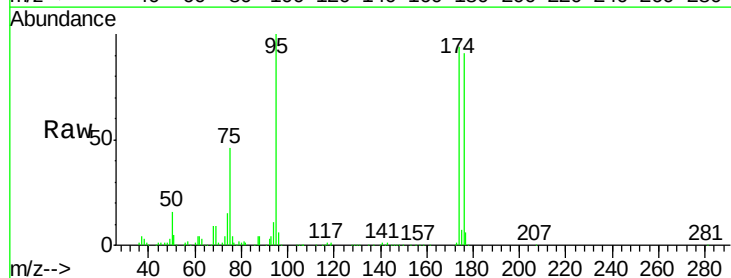
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

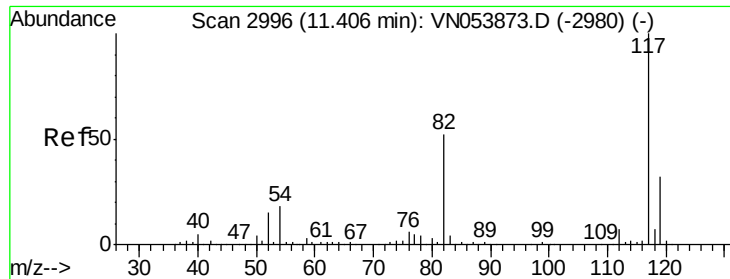
Tot Ion:107 Resp: 111579
Ion Ratio Lower Upper
107 100
109 93.6 76.3 114.5



#62
4-Bromofluorobenzene
Concen: 49.244 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion: 95 Resp: 373602
Ion Ratio Lower Upper
95 100
174 94.7 0.0 188.8
176 92.3 0.0 182.6

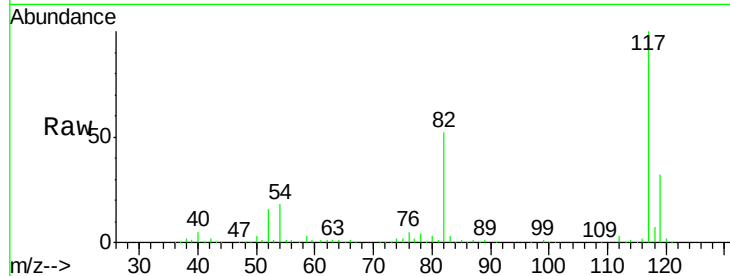




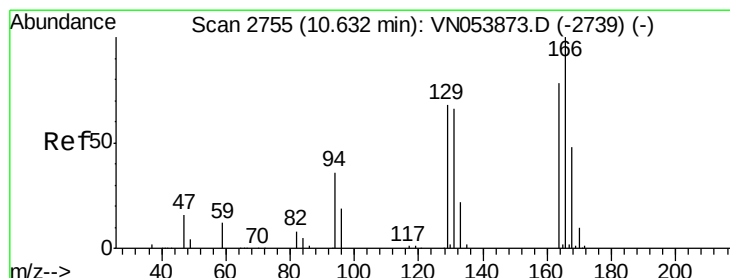
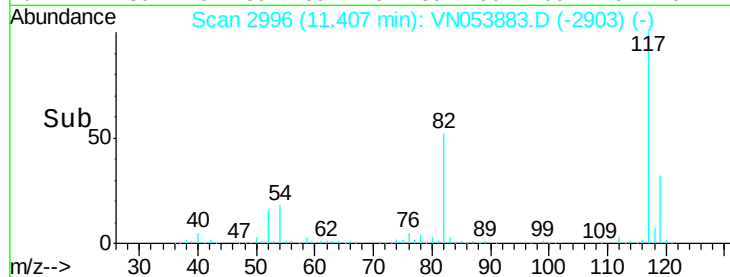
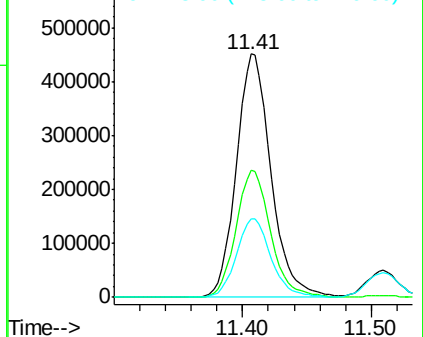
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion:117 Resp: 843976
Ion Ratio Lower Upper
117 100
82 52.1 41.4 62.2
119 32.4 25.3 37.9

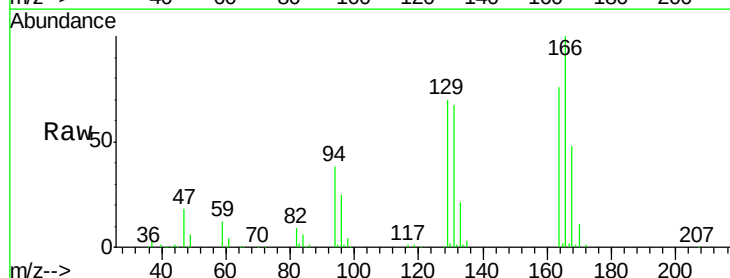


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

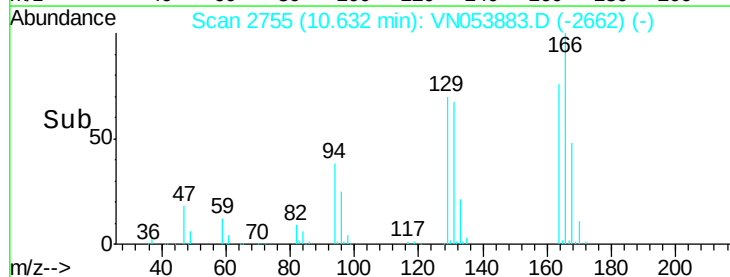
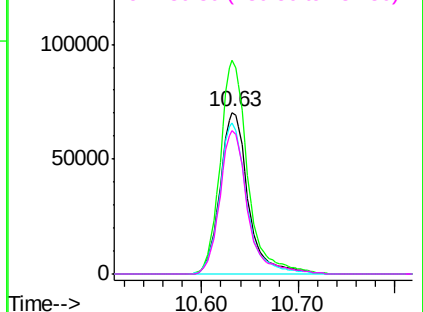


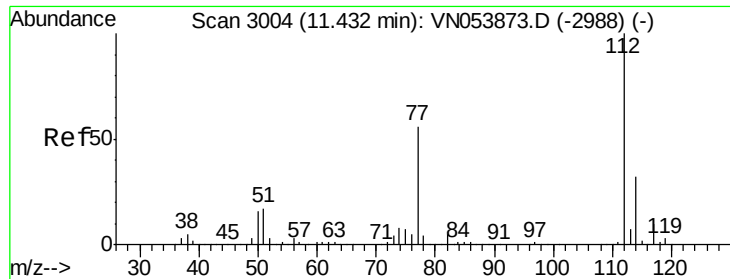
#64
Tetrachloroethene
Concen: 18.774 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion:164 Resp: 141684
Ion Ratio Lower Upper
164 100
166 132.2 102.6 153.8
129 93.2 69.4 104.0
131 88.5 68.1 102.1



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

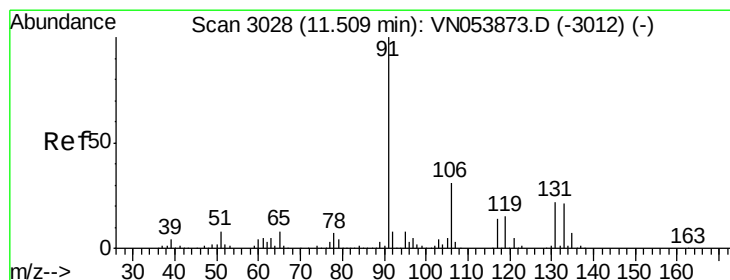
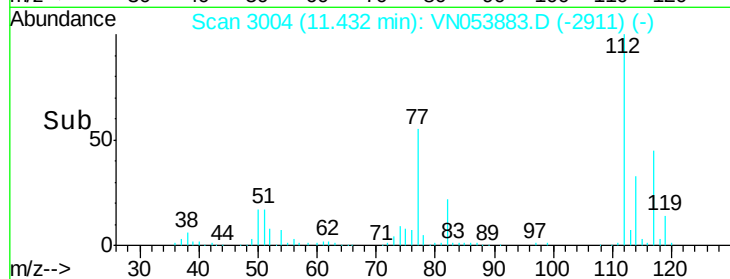
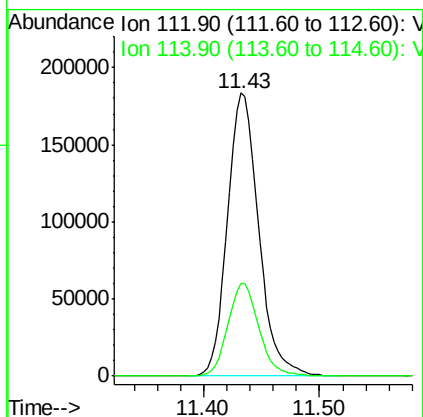
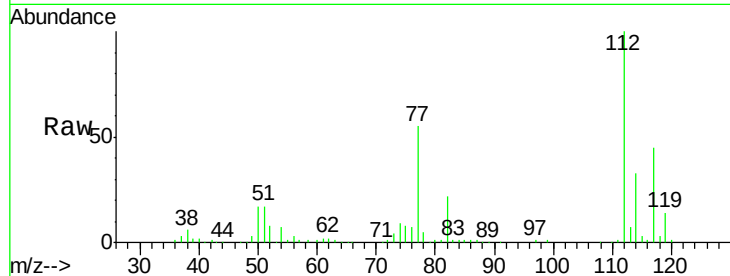




#65
Chlorobenzene
Concen: 19.323 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

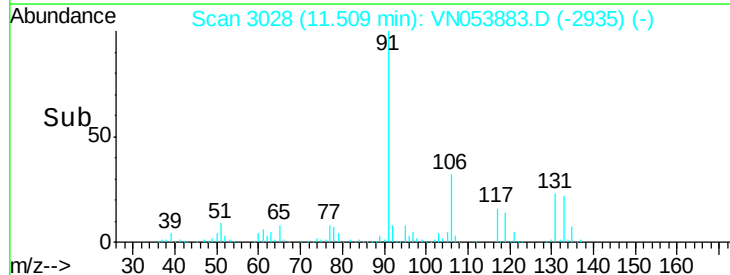
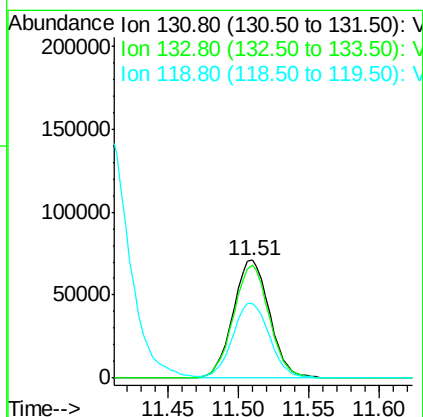
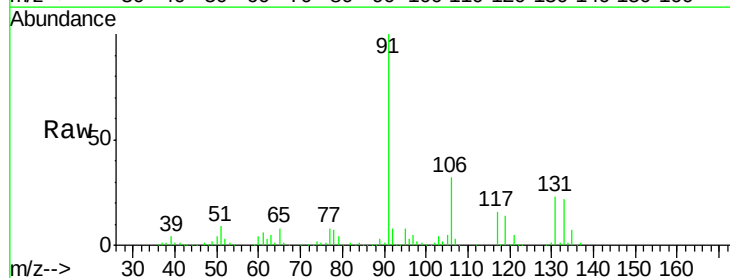
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

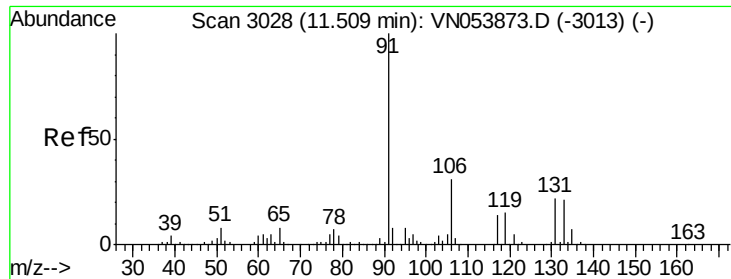
Tot Ion:112 Resp: 341344
Ion Ratio Lower Upper
112 100
114 32.6 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.051 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion:131 Resp: 129261
Ion Ratio Lower Upper
131 100
133 93.8 47.7 143.1
119 64.2 33.1 99.3

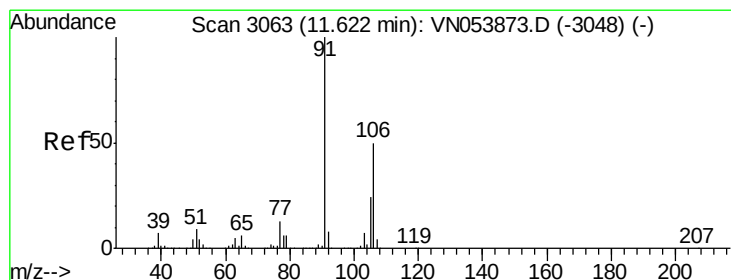
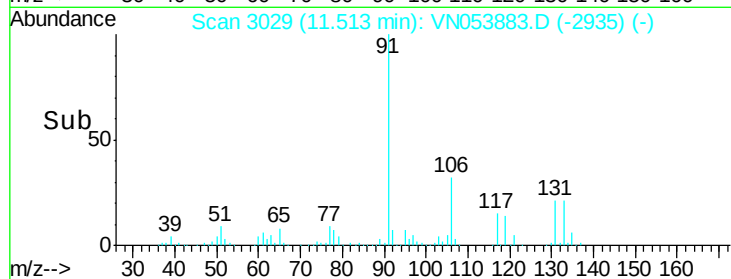
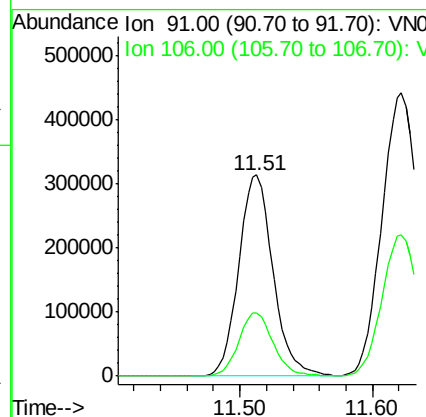
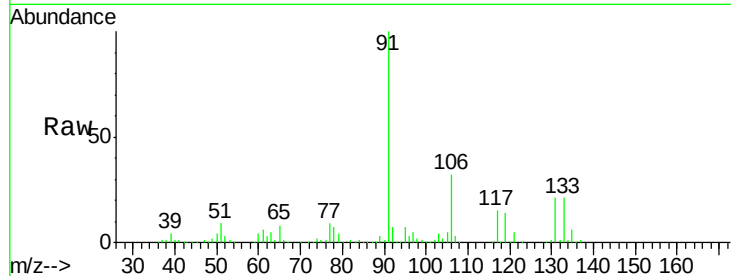




#67
Ethyl Benzene
Concen: 19.820 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

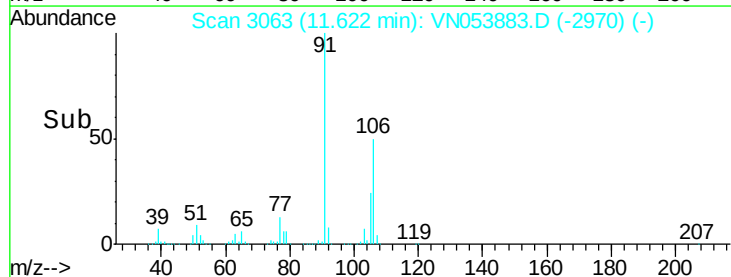
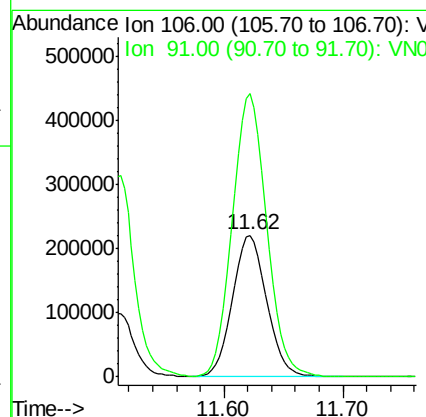
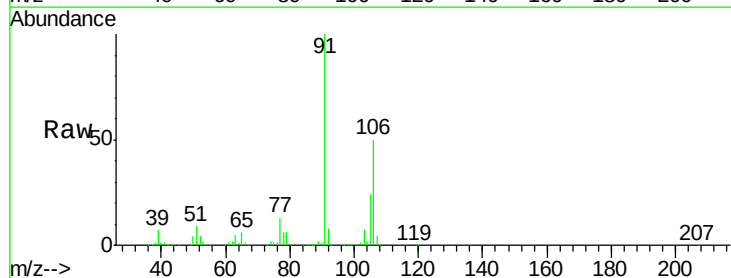
Instrument :
MSVOA_N
ClientSampled :
VN0221WBSD01

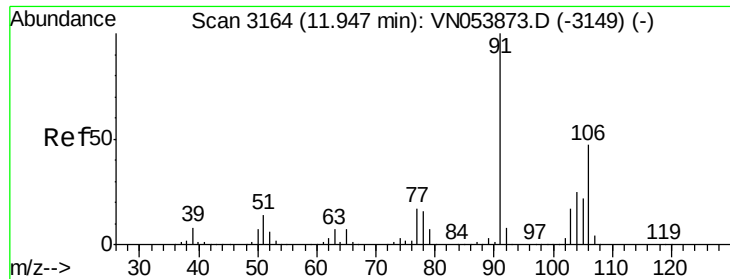
Tot Ion: 91 Resp: 566646
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8



#68
m/p-Xylenes
Concen: 39.864 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion: 106 Resp: 441285
Ion Ratio Lower Upper
106 100
91 200.5 158.9 238.3

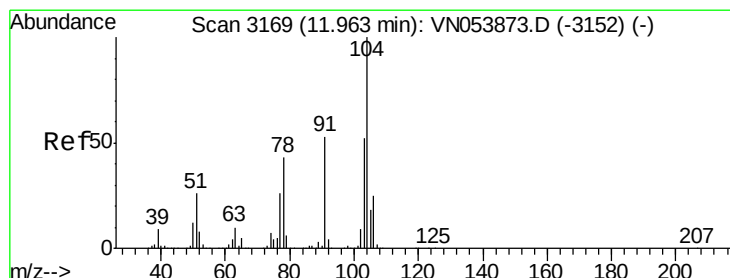
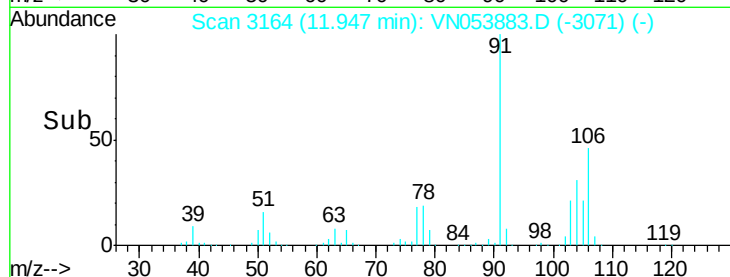
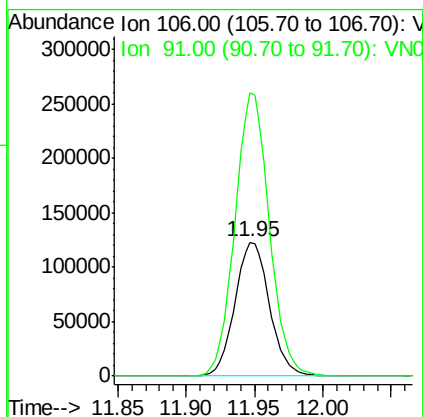
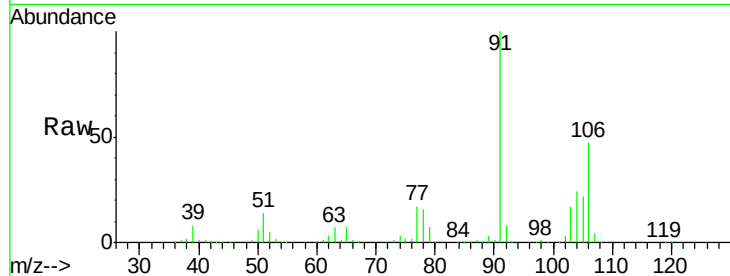




#69
o-Xylene
Concen: 20.245 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

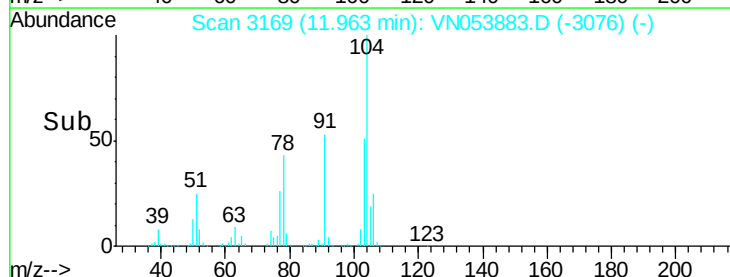
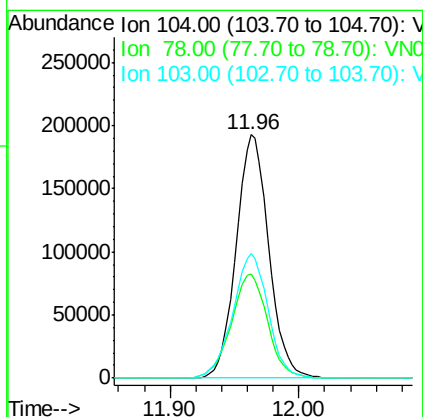
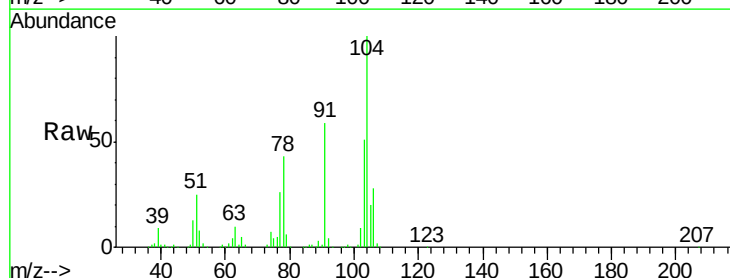
Instrument :
MSVOA_N
ClientSampled :
VN0221WBSD01

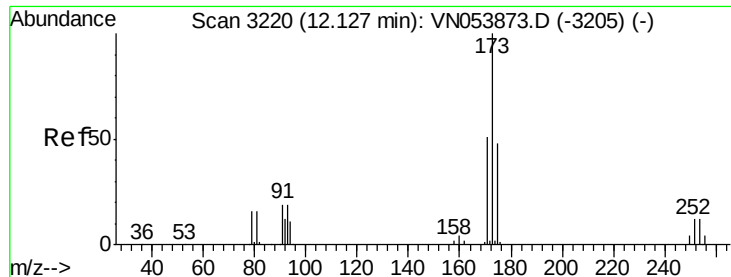
Tot Ion:106 Resp: 215754
Ion Ratio Lower Upper
106 100
91 210.8 106.0 318.0



#70
Styrene
Concen: 20.251 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion:104 Resp: 338672
Ion Ratio Lower Upper
104 100
78 47.4 38.1 57.1
103 55.2 44.6 67.0





#71

Bromoform

Concen: 19.690 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

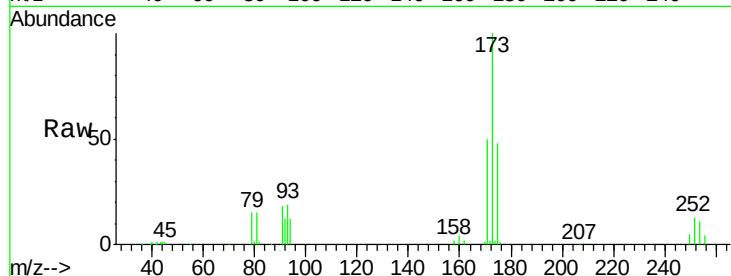
Tot Ion:173 Resp: 90081

Ion Ratio Lower Upper

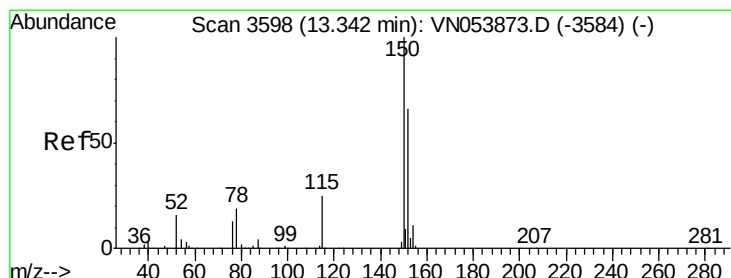
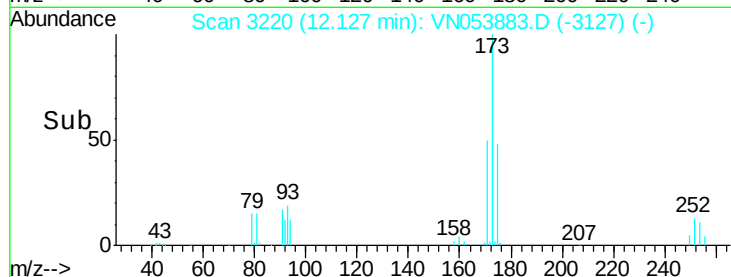
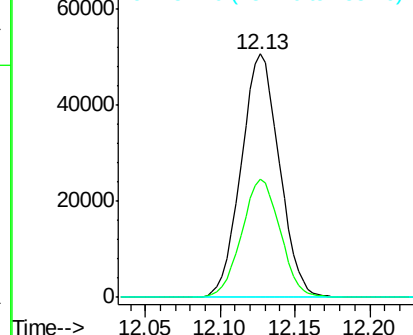
173 100

175 48.9 24.3 72.8

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

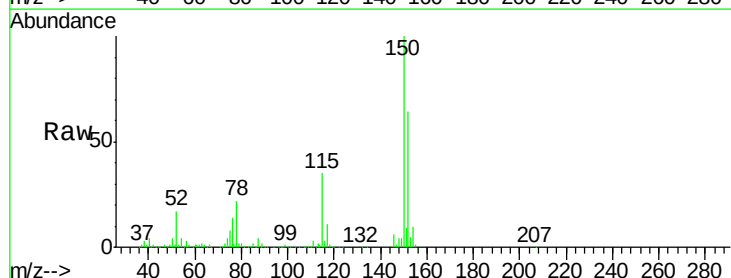
Tgt Ion:152 Resp: 389141

Ion Ratio Lower Upper

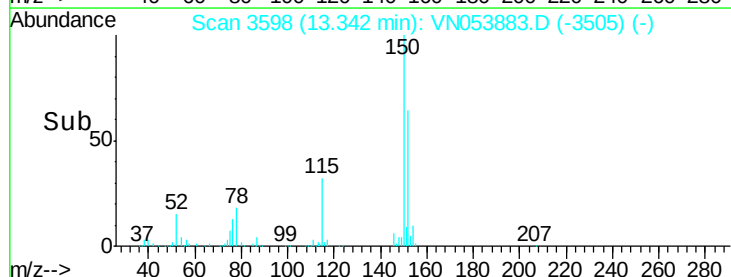
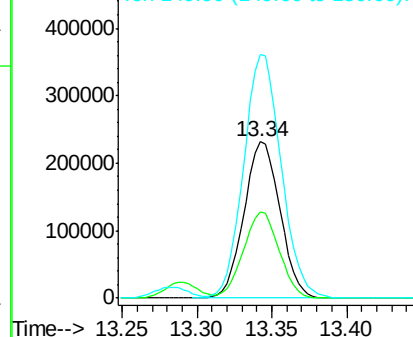
152 100

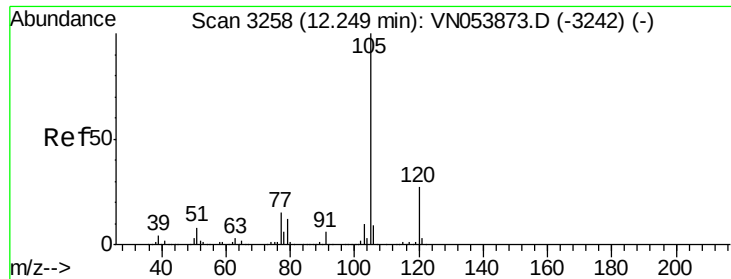
115 54.8 27.2 81.6

150 162.5 0.0 348.2



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





#73

Isopropylbenzene

Concen: 20.378 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

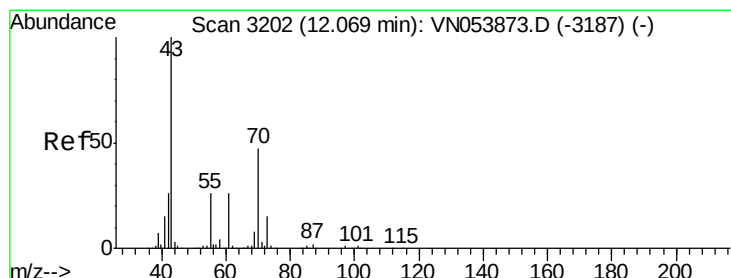
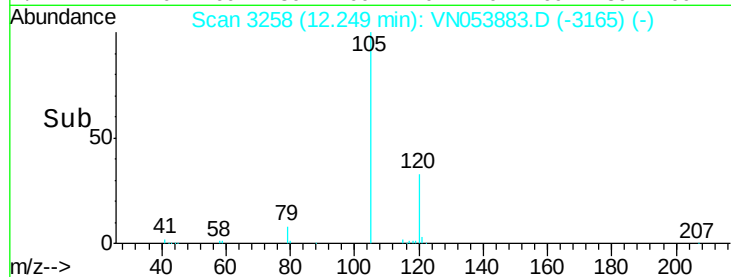
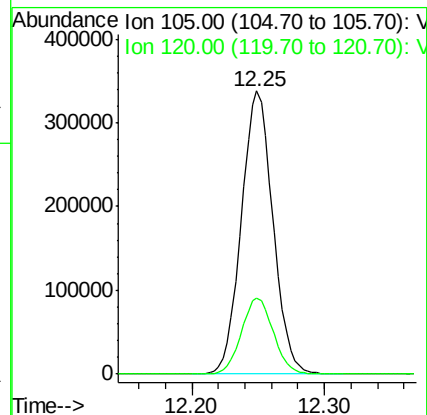
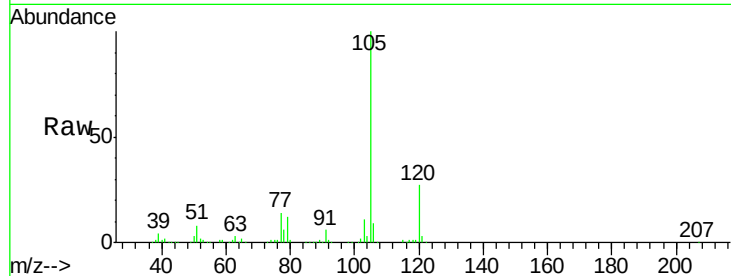
VN0221WBSD01

Tot Ion:105 Resp: 558640

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



#74

N-ethyl acetate

Concen: 20.110 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Tgt Ion: 43 Resp: 126602

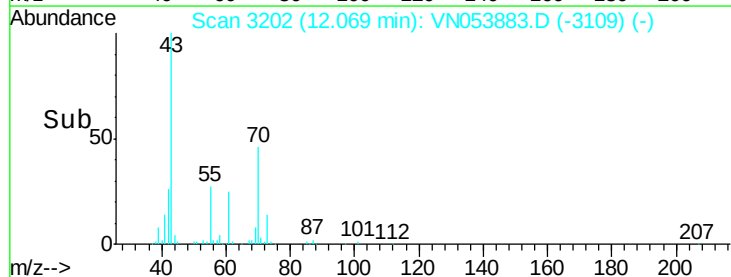
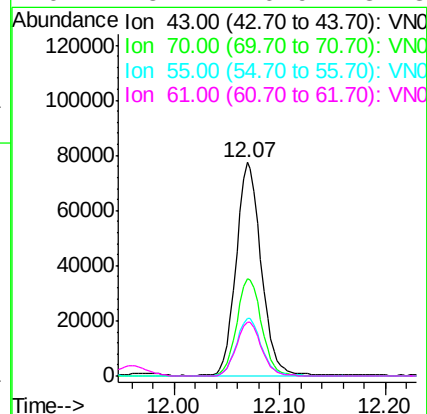
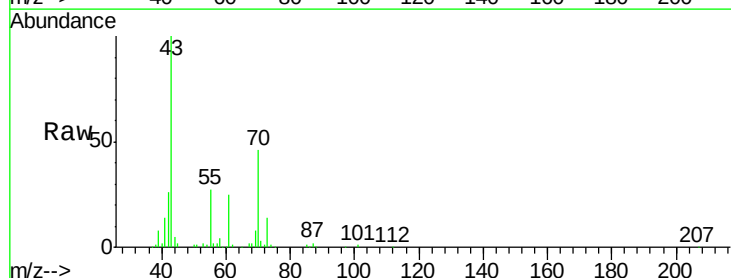
Ion Ratio Lower Upper

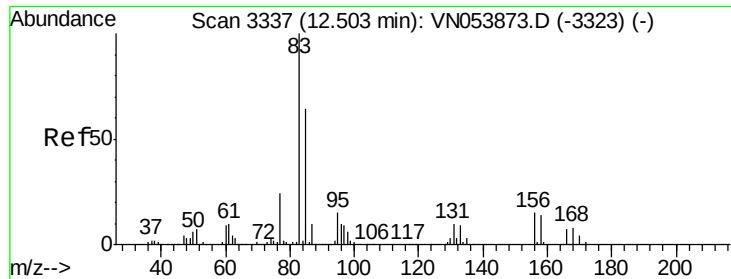
43 100

70 45.6 37.4 56.2

55 27.2 21.4 32.0

61 25.4 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.708 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

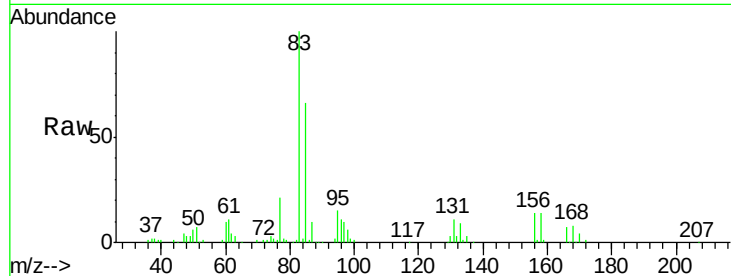
Tot Ion: 83 Resp: 134214

Ion Ratio Lower Upper

83 100

131 11.0 5.3 16.1

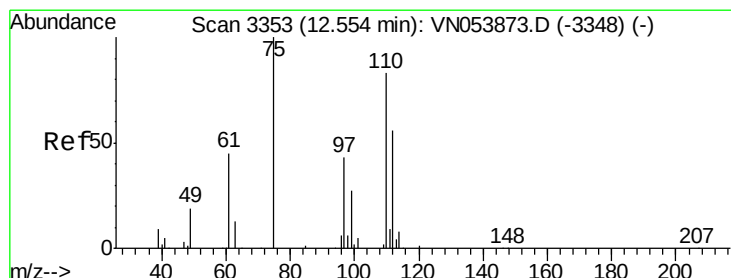
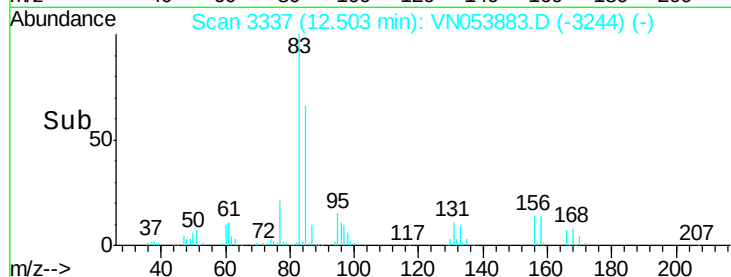
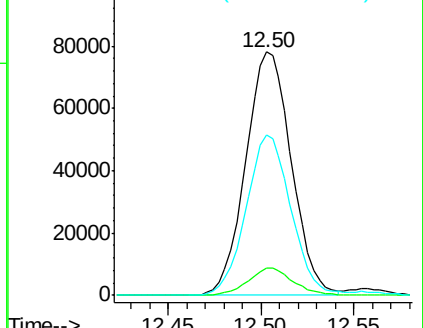
85 64.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.895 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053883.D

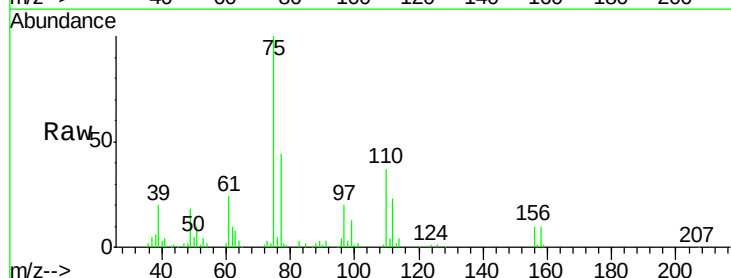
Acq: 21 Feb 2019 11:01

Tgt Ion: 75 Resp: 159353

Ion Ratio Lower Upper

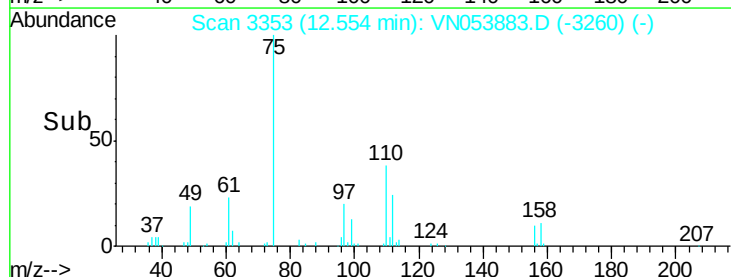
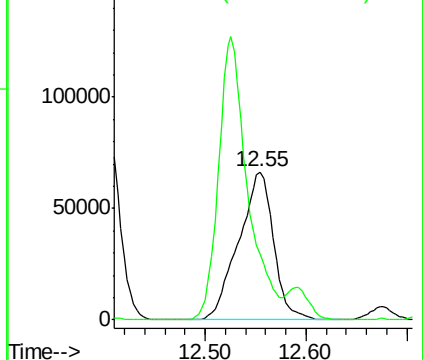
75 100

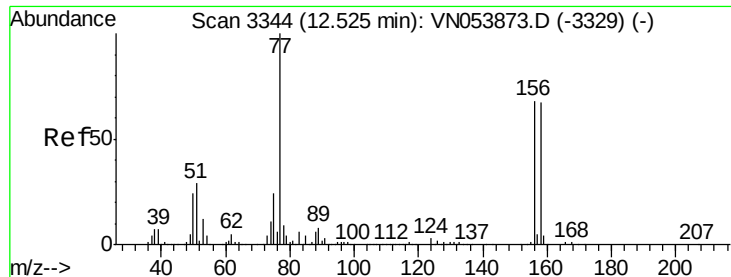
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

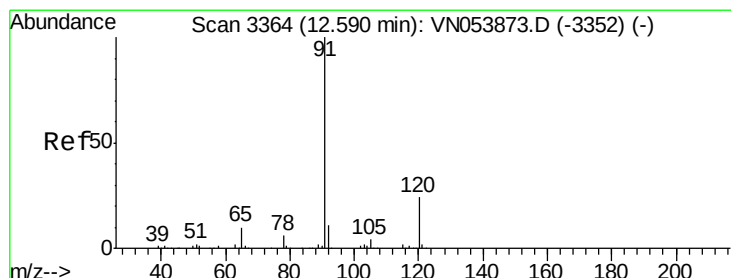
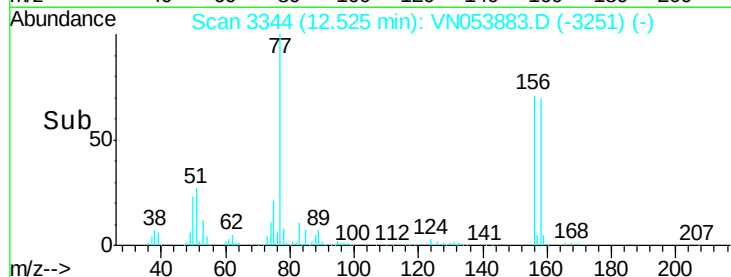
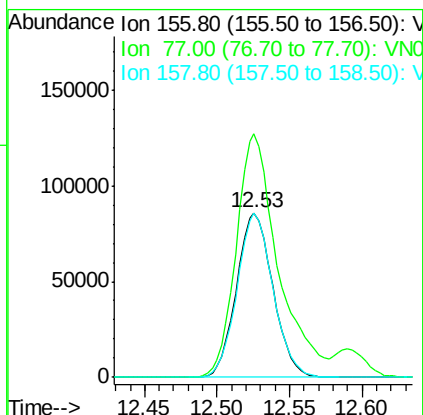
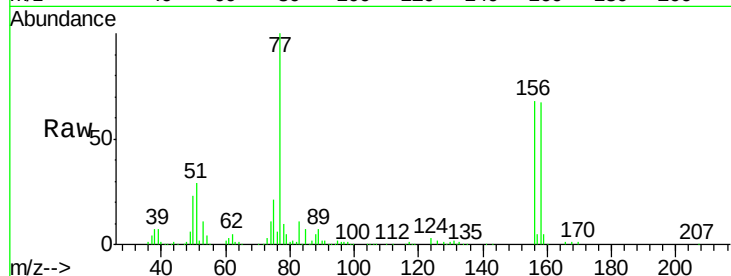




#77
Bromobenzene
Concen: 20.392 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

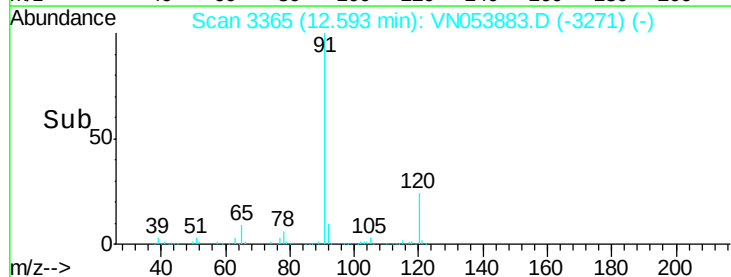
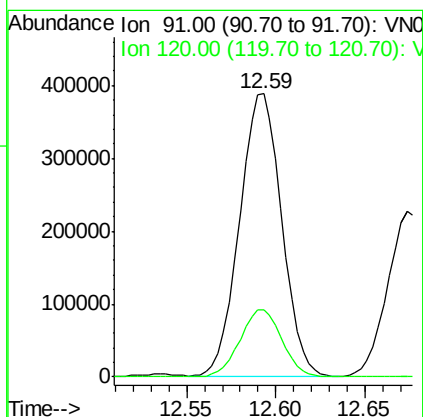
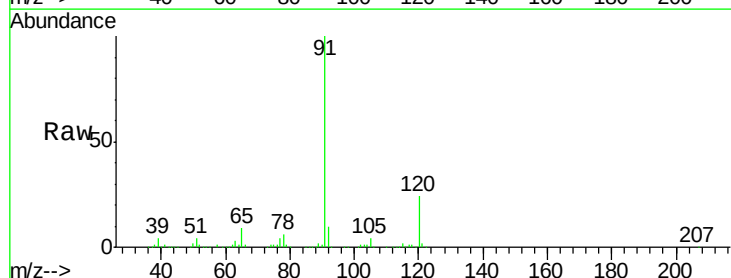
Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

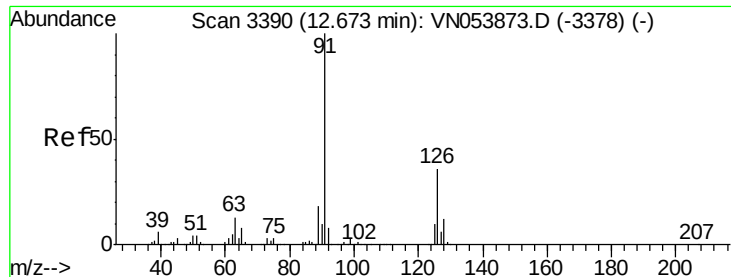
Tot Ion:156 Resp: 149963
Ion Ratio Lower Upper
156 100
77 170.7 84.0 252.2
158 98.6 48.5 145.6



#78
n-propylbenzene
Concen: 20.795 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion: 91 Resp: 637497
Ion Ratio Lower Upper
91 100
120 23.7 11.9 35.9





#79

2-Chlorotoluene

Concen: 20.505 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

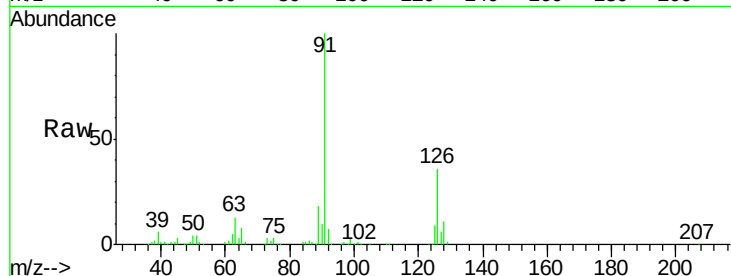
VN0221WBSD01

Tot Ion: 91 Resp: 379030

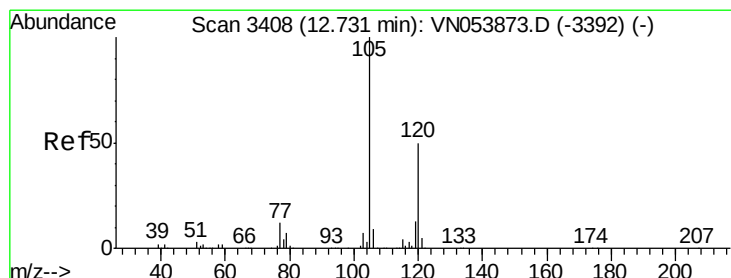
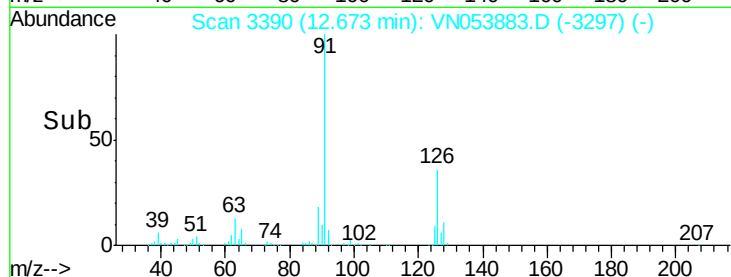
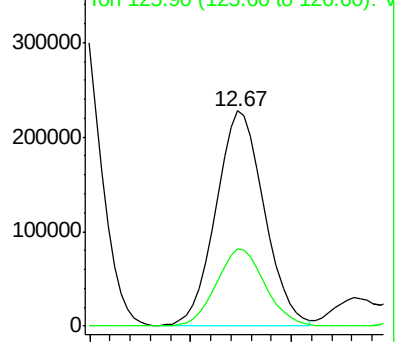
Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN053883.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.979 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053883.D

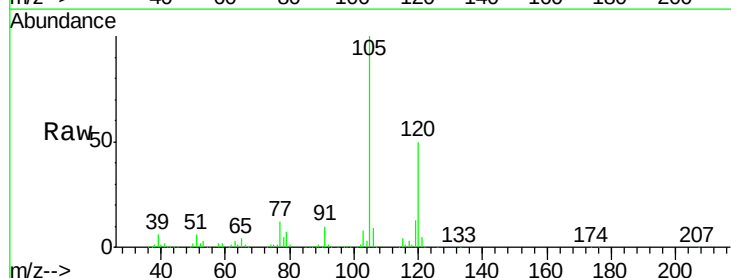
Acq: 21 Feb 2019 11:01

Tgt Ion:105 Resp: 477396

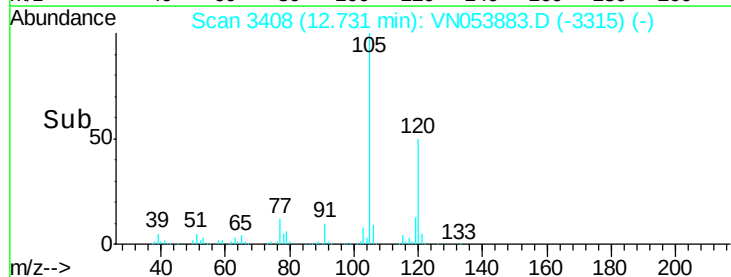
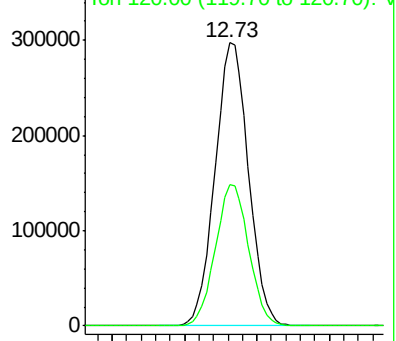
Ion Ratio Lower Upper

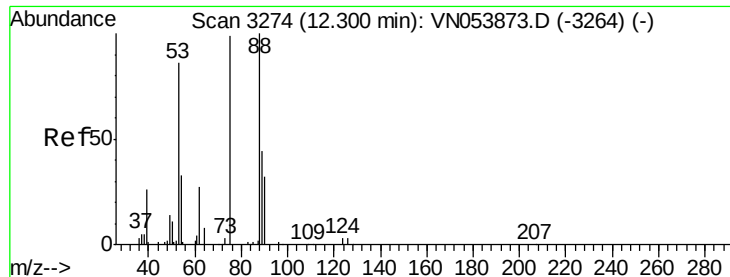
105 100

120 49.8 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053883.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.309 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

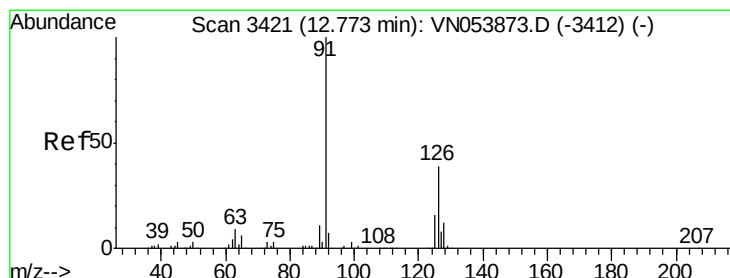
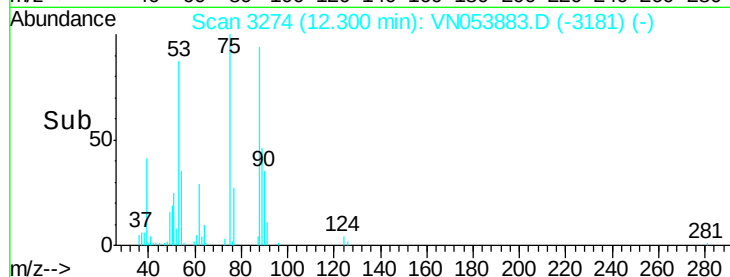
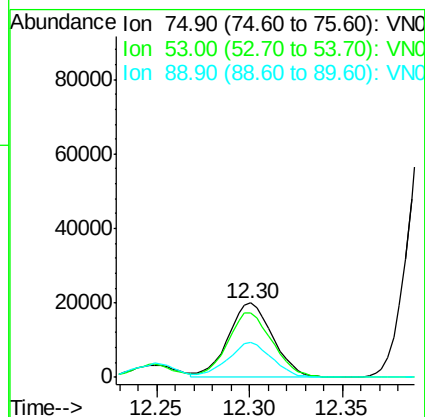
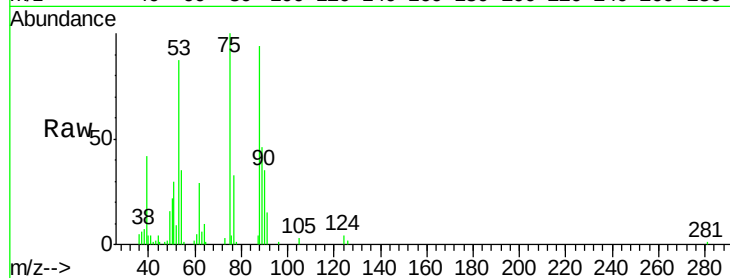
Tot Ion: 75 Resp: 33412

Ion Ratio Lower Upper

75 100

53 85.3 68.6 102.8

89 46.0 35.3 52.9



#82

4-Chlorotoluene

Concen: 20.392 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053883.D

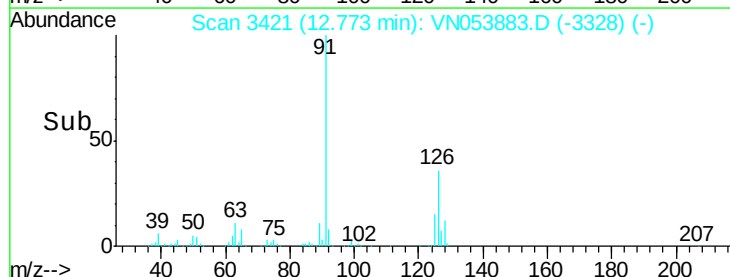
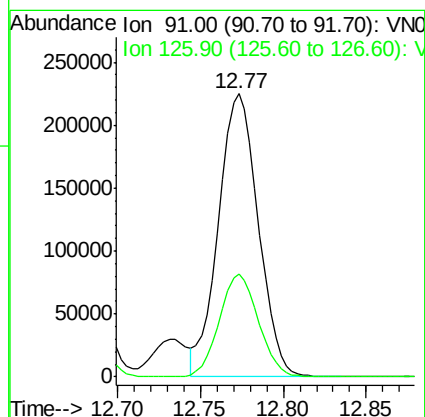
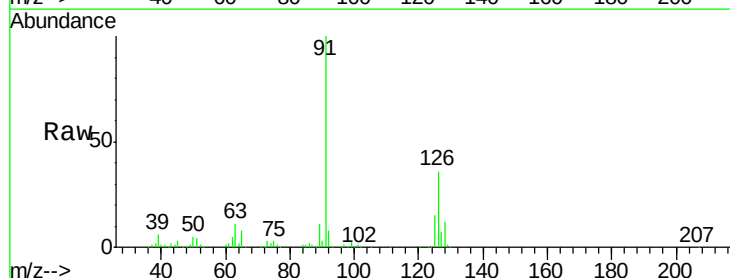
Acq: 21 Feb 2019 11:01

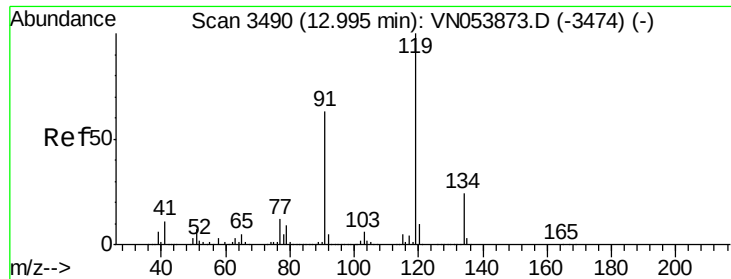
Tgt Ion: 91 Resp: 375526

Ion Ratio Lower Upper

91 100

126 35.5 18.0 54.0

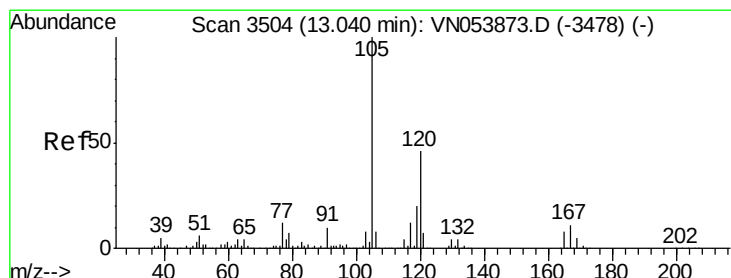
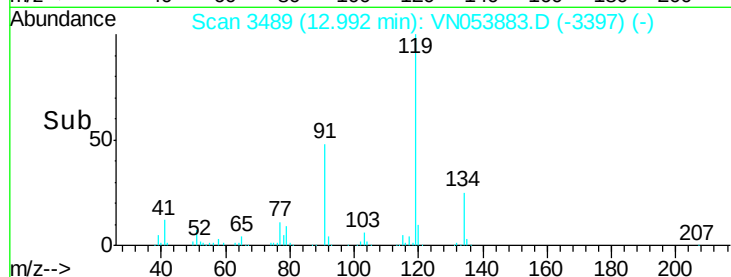
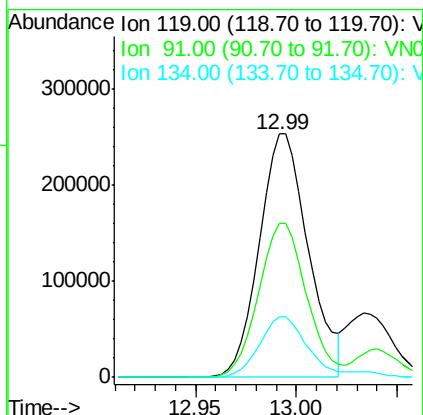
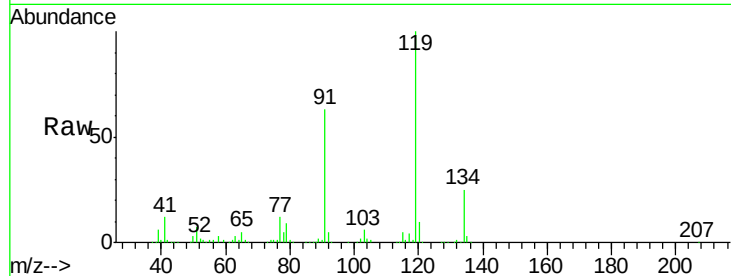




#83
 tert-Butylbenzene
 Concen: 21.004 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

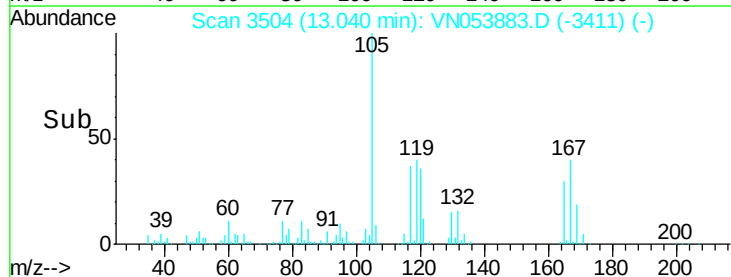
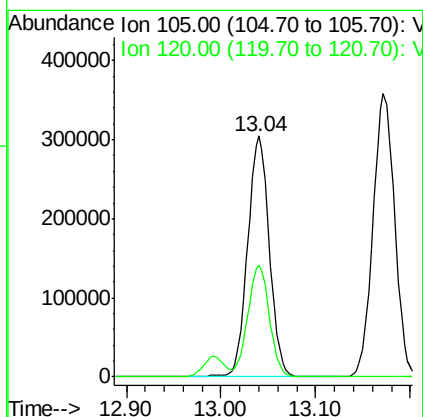
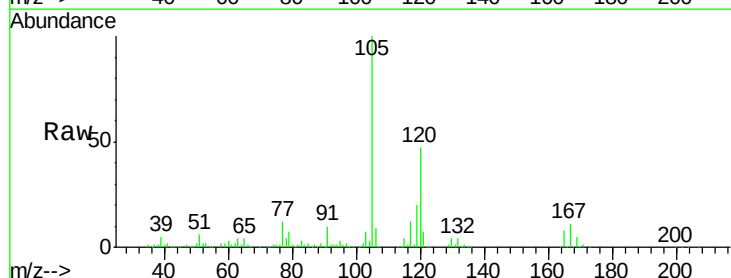
Instrument :
 MSVOA_N
 ClientSampled :
 VN0221WBSD01

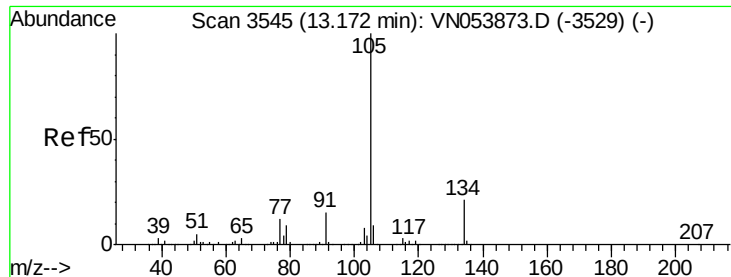
Tot Ion:119 Resp: 429180
 Ion Ratio Lower Upper
 119 100
 91 62.1 30.6 91.8
 134 25.7 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.186 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion:105 Resp: 483524
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.2 69.5





#85

sec-Butylbenzene

Concen: 20.640 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

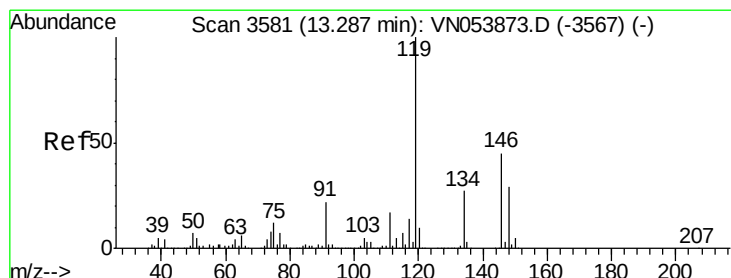
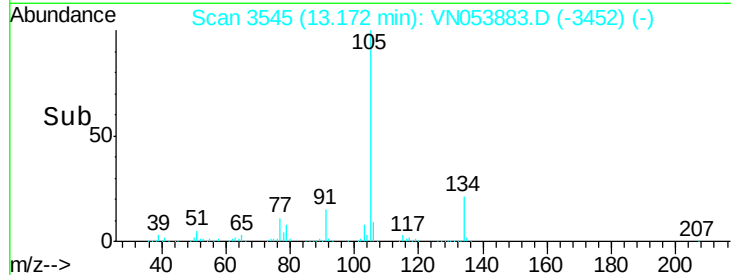
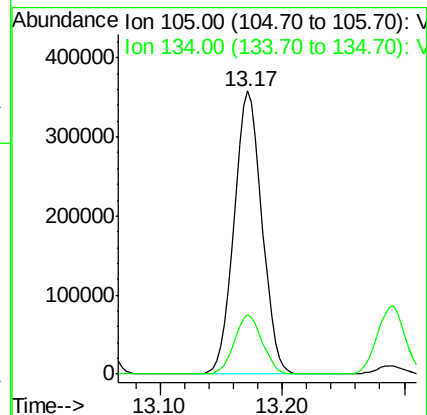
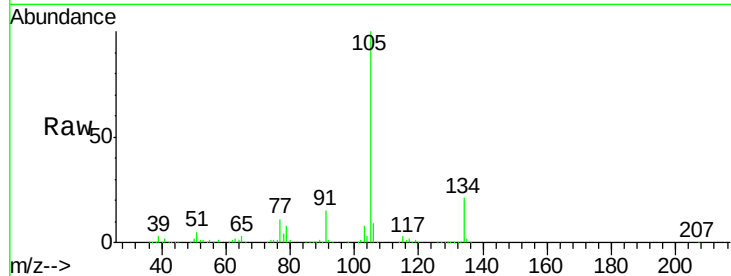
VN0221WBSD01

Tot Ion:105 Resp: 567834

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.1



#86

p-Isopropyltoluene

Concen: 20.845 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

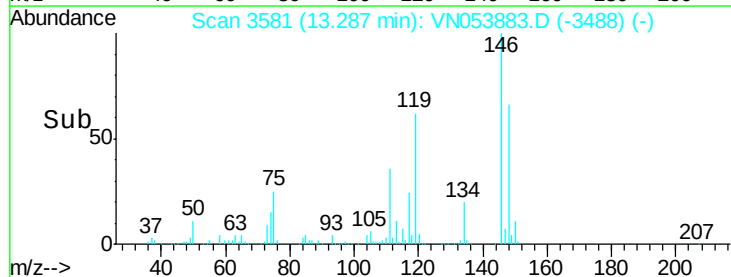
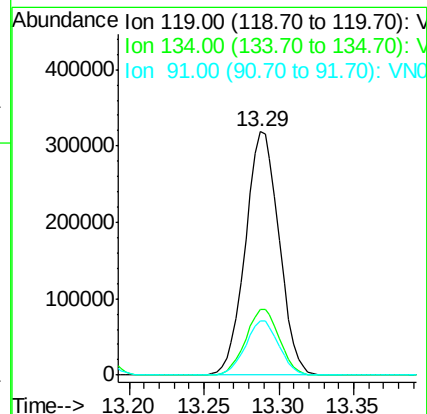
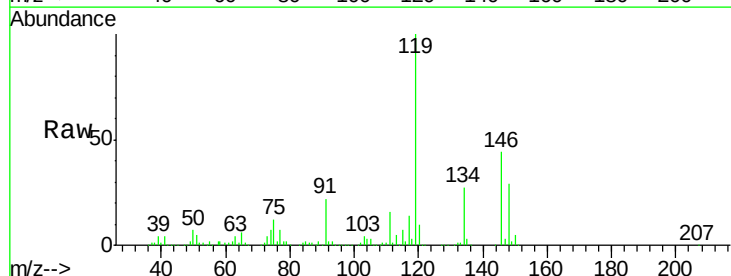
Tgt Ion:119 Resp: 497704

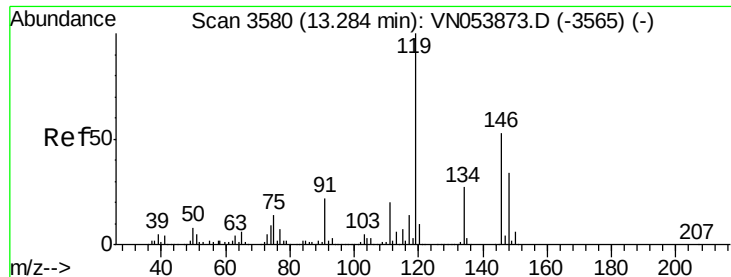
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 22.1 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 19.876 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0221WBSD01

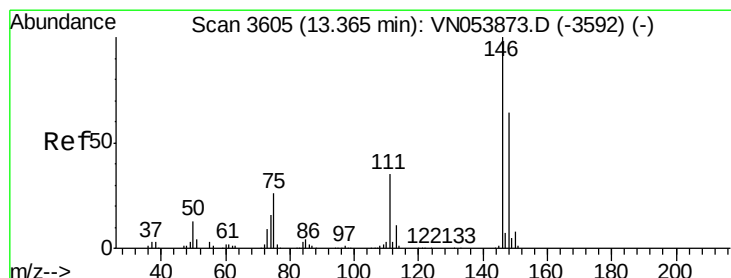
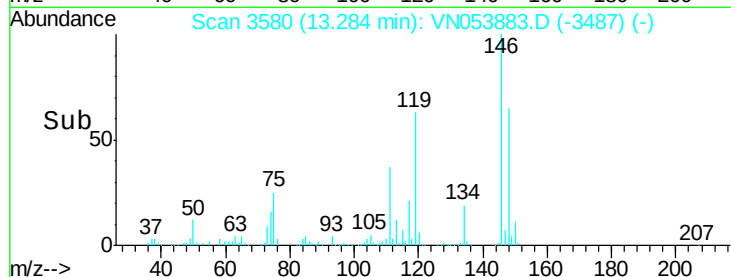
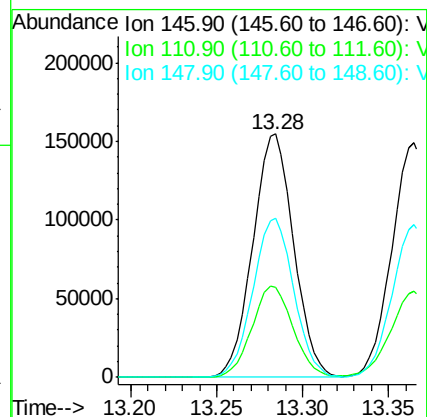
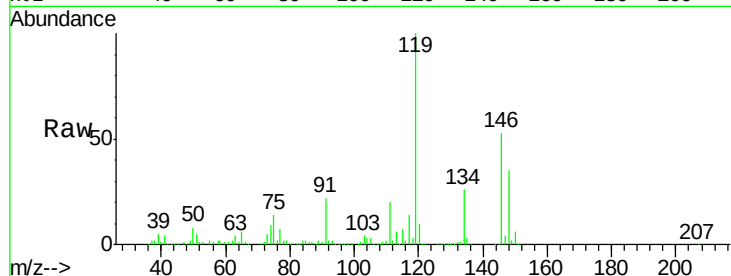
Tot Ion:146 Resp: 255074

Ion Ratio Lower Upper

146 100

111 37.5 18.7 56.1

148 65.3 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 19.213 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

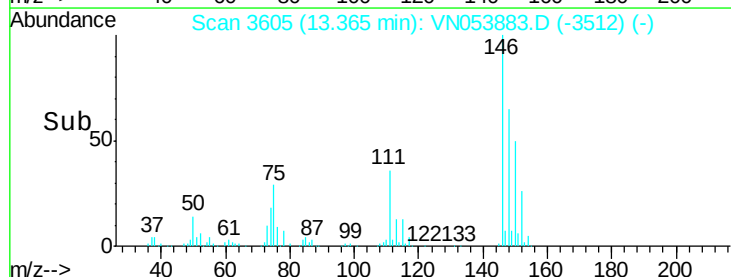
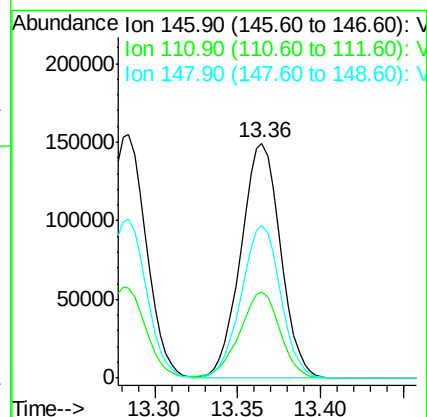
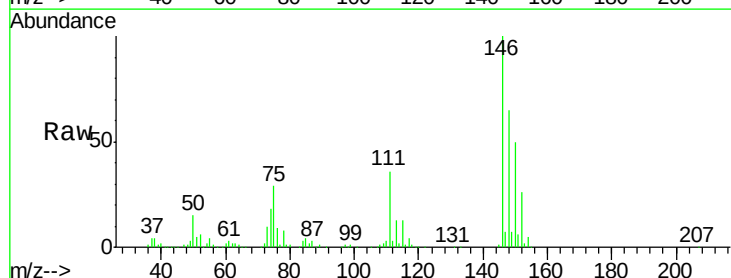
Tgt Ion:146 Resp: 248077

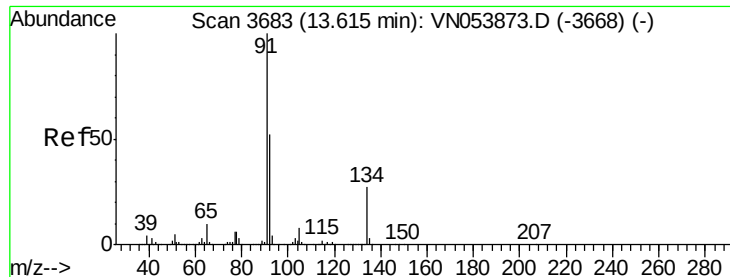
Ion Ratio Lower Upper

146 100

111 37.4 18.0 54.0

148 64.7 32.1 96.5





#89

n-Butylbenzene

Concen: 20.589 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053883.D

Acq: 21 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampled :

VN0221WBSD01

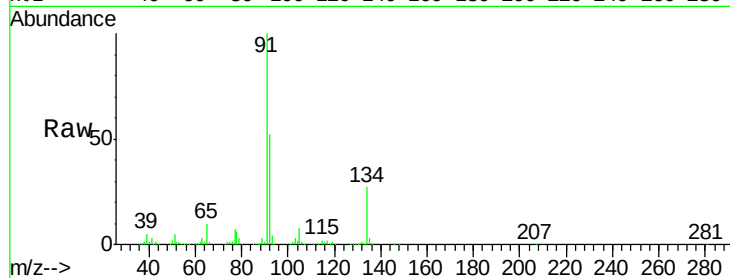
Tot Ion: 91 Resp: 404257

Ion Ratio Lower Upper

91 100

92 52.4 26.1 78.2

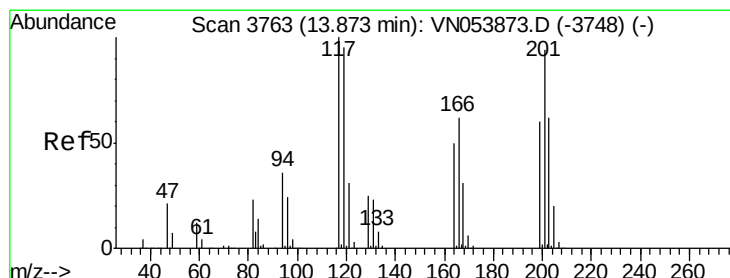
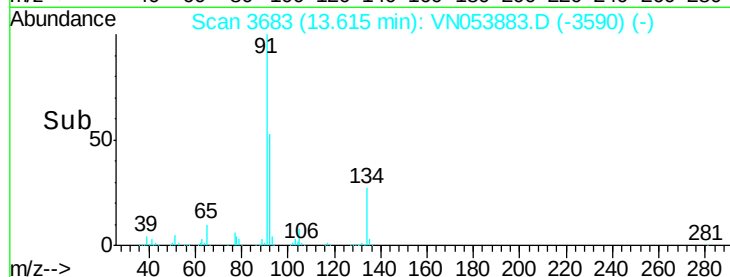
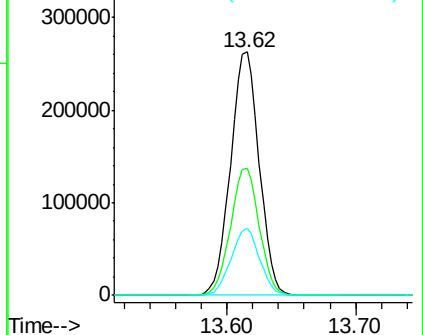
134 27.4 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VN053883.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053883.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053883.D (-3668) (-)



#90

Hexachloroethane

Concen: 19.973 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN053883.D

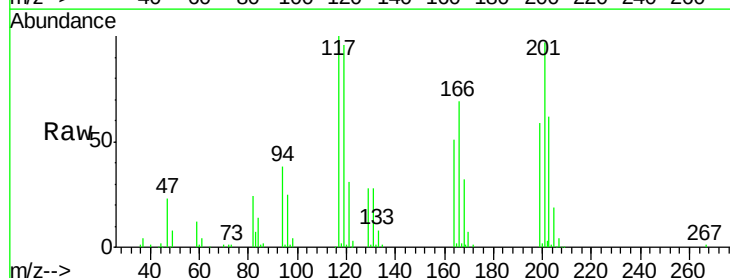
Acq: 21 Feb 2019 11:01

Tgt Ion: 117 Resp: 91106

Ion Ratio Lower Upper

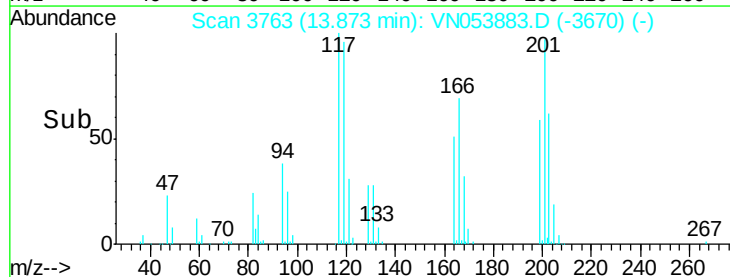
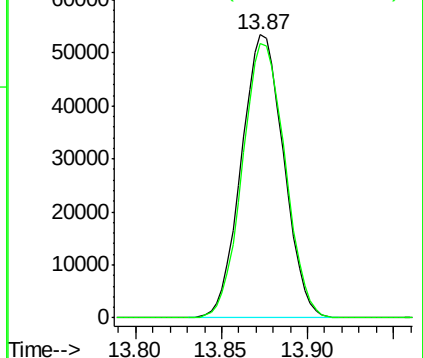
117 100

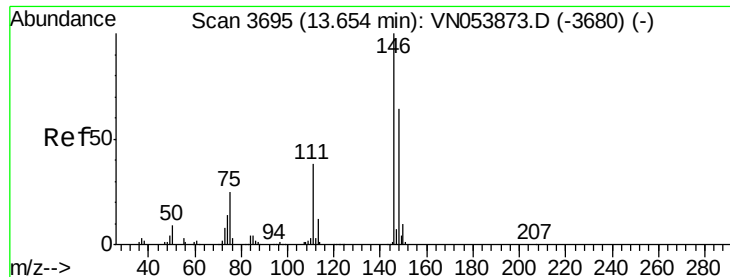
201 97.6 48.0 144.2



Abundance Ion 116.80 (116.50 to 117.50): VN053883.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053883.D (-3748) (-)

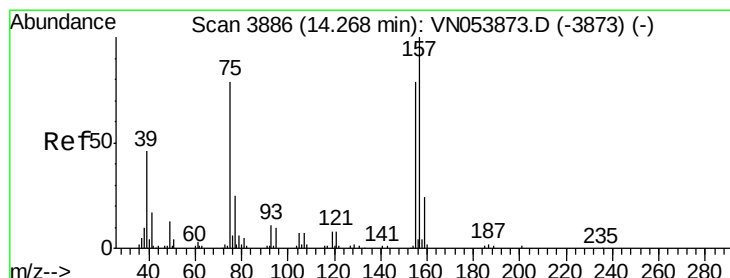
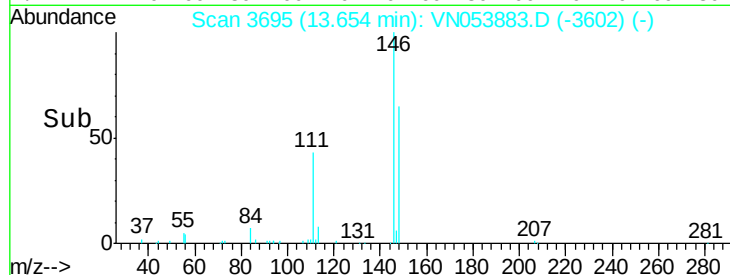
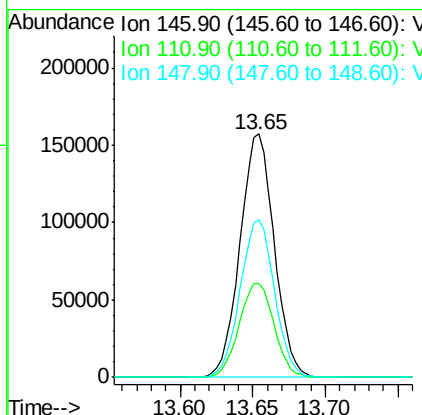
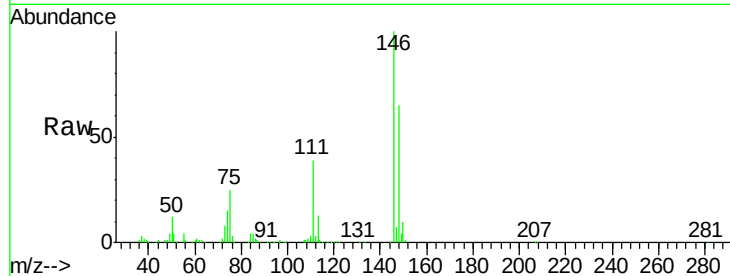




#91
 1,2-Dichlorobenzene
 Concen: 20.529 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

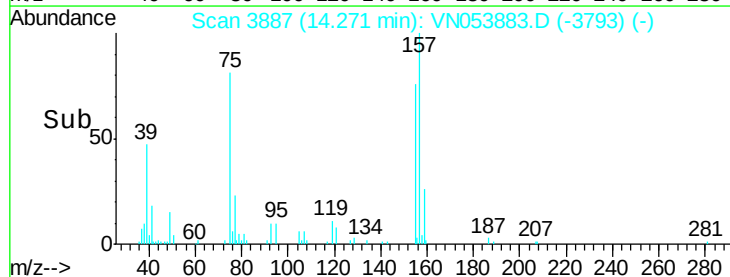
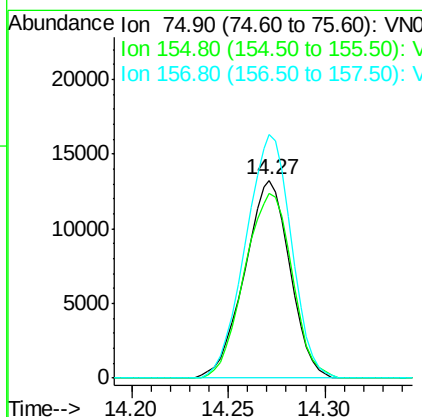
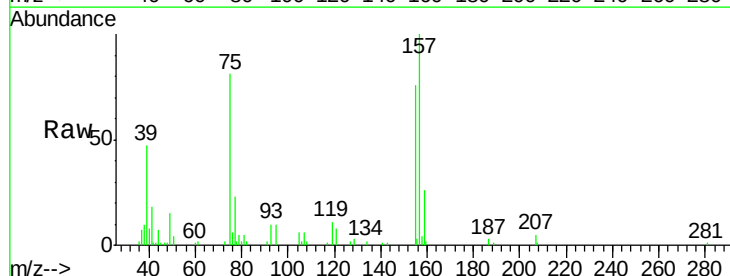
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

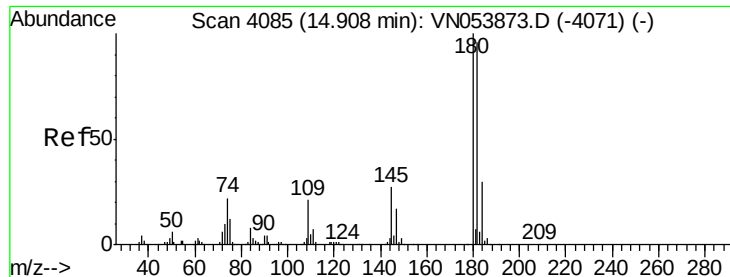
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.5
148	64.9	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.859 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	49.5	148.5
157	124.4	64.8	194.6

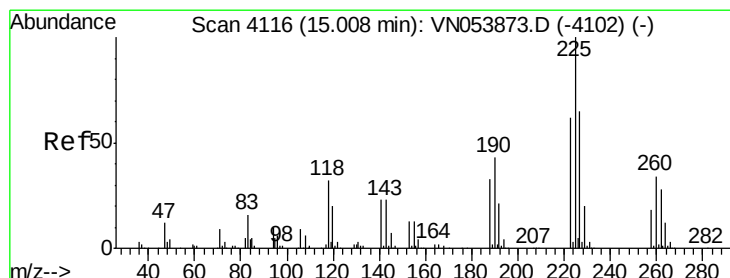
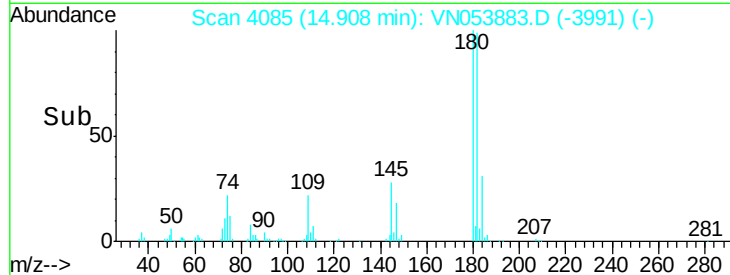
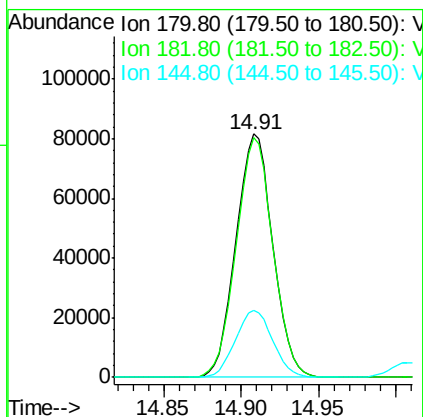
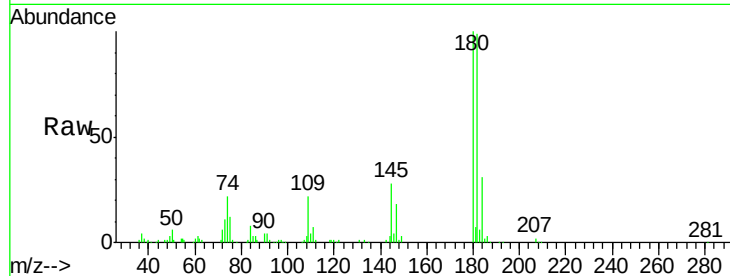




#93
 1,2,4-Trichlorobenzene
 Concen: 19.579 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

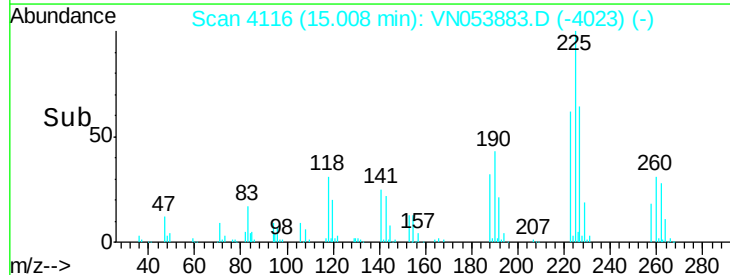
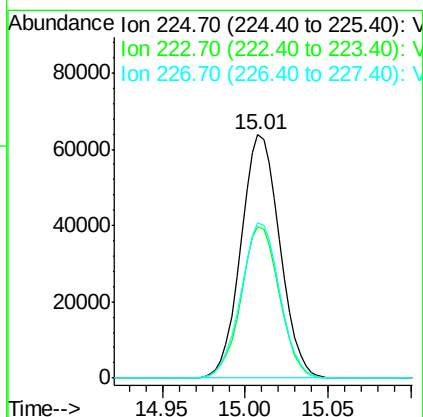
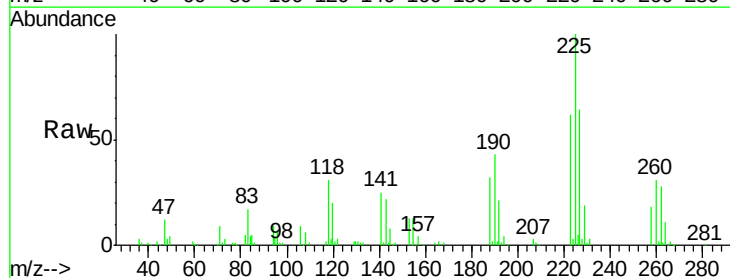
Instrument :
 MSVOA_N
 ClientSampled :
 VN0221WBSD01

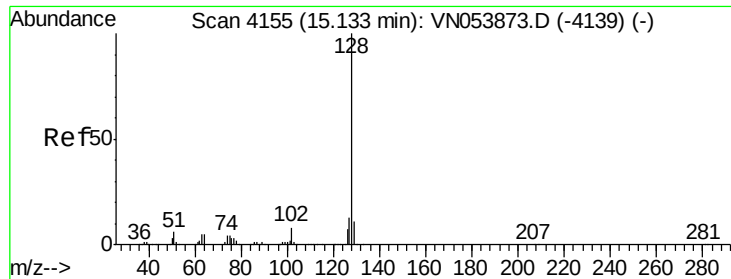
Tot Ion:180 Resp: 134905
 Ion Ratio Lower Upper
 180 100
 182 98.0 48.6 145.9
 145 27.8 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 19.808 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN053883.D
 Acq: 21 Feb 2019 11:01

Tgt Ion:225 Resp: 104006
 Ion Ratio Lower Upper
 225 100
 223 61.2 30.9 92.5
 227 63.6 32.5 97.4

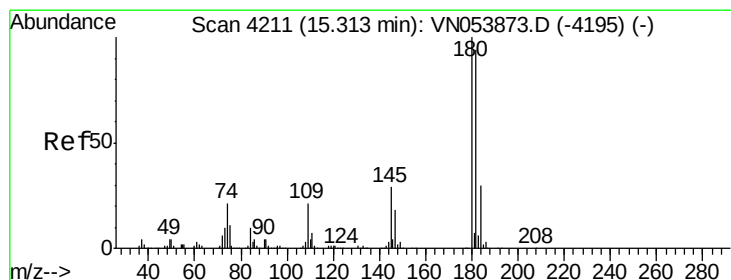
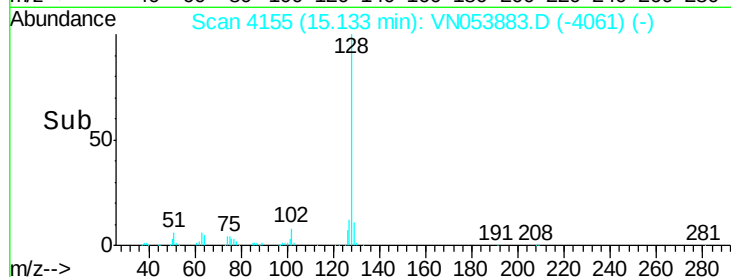
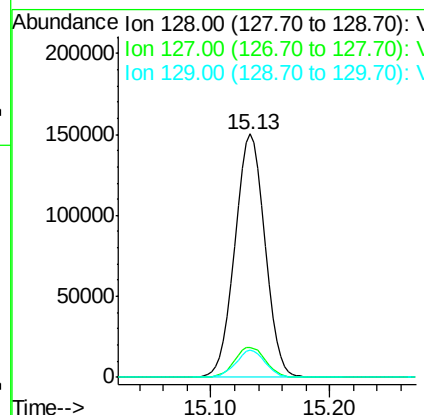
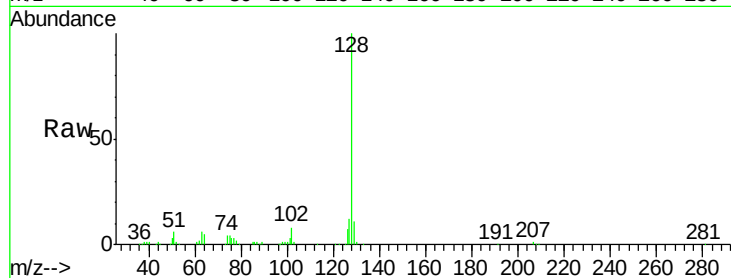




#95
Naphthalene
Concen: 20.063 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0221WBSD01

Tot Ion:128 Resp: 262806
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.661 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053883.D
Acq: 21 Feb 2019 11:01

Tgt Ion:180 Resp: 138038
Ion Ratio Lower Upper
180 100
182 93.7 47.3 141.8
145 29.2 14.4 43.0

