

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053621.D
 Acq On : 5 Feb 2019 15:49
 Operator : JC/SP
 Sample : VN0205WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Quant Time: Feb 06 03:33:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	694495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1102785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	962020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	452937	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	362220	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
35) Dibromofluoromethane	7.59	113	346956	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.09	98	1271653	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	423636	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	152805	19.722	ug/l	98
3) Chloromethane	2.06	50	167978	20.373	ug/l	100
4) Vinyl Chloride	2.19	62	170349	21.284	ug/l	99
5) Bromomethane	2.57	94	110075	21.034	ug/l	96
6) Chloroethane	2.71	64	97103	21.230	ug/l	98
7) Trichlorofluoromethane	3.02	101	220737	20.337	ug/l	99
8) Diethyl Ether	3.41	74	83325	21.021	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135537	20.192	ug/l	99
10) Methyl Iodide	3.96	142	211019	20.029	ug/l	99
11) Tert butyl alcohol	4.78	59	46932	113.821	ug/l	100
12) 1,1-Dichloroethene	3.74	96	133559	20.767	ug/l	99
13) Acrolein	3.61	56	28732	127.984	ug/l	96
14) Allyl chloride	4.33	41	214594	20.957	ug/l	99
15) Acrylonitrile	4.99	53	250563	112.563	ug/l	99
16) Acetone	3.82	43	164123	91.838	ug/l	99
17) Carbon Disulfide	4.06	76	380624	19.007	ug/l	99
18) Methyl Acetate	4.33	43	117920	22.281	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	364441	22.354	ug/l	99
20) Methylene Chloride	4.55	84	158886	21.192	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	140839	20.299	ug/l	96
22) Diisopropyl ether	5.95	45	406999	21.451	ug/l	93
23) Vinyl Acetate	5.90	43	1442127	109.871	ug/l	99
24) 1,1-Dichloroethane	5.85	63	263049	20.786	ug/l	99
25) 2-Butanone	6.84	43	265763	104.271	ug/l	99
26) 2,2-Dichloropropane	6.83	77	182755	18.918	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	164550	21.328	ug/l	97
28) Bromochloromethane	7.20	49	116991	21.303	ug/l	96
29) Tetrahydrofuran	7.21	42	187972	114.852	ug/l	99
30) Chloroform	7.37	83	260773	20.787	ug/l	99
31) Cyclohexane	7.66	56	236986	20.012	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	217300	20.814	ug/l	99
36) 1,1-Dichloropropene	7.80	75	190688	19.182	ug/l	97
37) Ethyl Acetate	6.93	43	121332	21.854	ug/l	98
38) Carbon Tetrachloride	7.78	117	187565	18.730	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	220541	18.700	ug/l	100
40) Benzene	8.04	78	609356	19.878	ug/l	100
41) Methacrylonitrile	7.17	41	71673	23.098	ug/l	94
42) 1,2-Dichloroethane	8.13	62	182491	20.049	ug/l	99
43) Isopropyl Acetate	8.17	43	229544	21.408	ug/l	97
44) Trichloroethene	8.84	130	164594	18.859	ug/l	99
45) 1,2-Dichloropropane	9.12	63	158027	20.154	ug/l	99
46) Dibromomethane	9.21	93	95519	20.209	ug/l	99
47) Bromodichloromethane	9.40	83	197375	20.084	ug/l	99
48) Methyl methacrylate	9.20	41	101679	19.866	ug/l	93
49) 1,4-Dioxane	9.20	88	29656	423.345	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	572678	108.690	ug/l	99
52) Toluene	10.16	92	363139	19.960	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	193469	19.660	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	229715	19.699	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	136334	20.795	ug/l	99
56) Ethyl methacrylate	10.43	69	164668	21.232	ug/l	99
57) 1,3-Dichloropropane	10.71	76	233157	20.809	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	422479	93.031	ug/l	98
59) 2-Hexanone	10.75	43	360645	100.826	ug/l	100
60) Dibromochloromethane	10.90	129	148352	20.067	ug/l	98
61) 1,2-Dibromoethane	11.01	107	128660	19.828	ug/l	100
64) Tetrachloroethene	10.63	164	154637	18.752	ug/l	99
65) Chlorobenzene	11.44	112	396034	19.381	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	141836	19.875	ug/l	99
67) Ethyl Benzene	11.51	91	663957	19.780	ug/l	98
68) m/p-Xylenes	11.62	106	514679	40.173	ug/l	99
69) o-Xylene	11.95	106	252254	20.381	ug/l	100
70) Styrene	11.96	104	405385	20.208	ug/l	100
71) Bromoform	12.13	173	99900	20.419	ug/l #	99
73) Isopropylbenzene	12.25	105	659105	20.700	ug/l	99
74) N-amyl acetate	12.07	43	164151	21.439	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	156512	20.539	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	189008	32.488	ug/l #	100
77) Bromobenzene	12.53	156	184901	21.547	ug/l	92
78) n-propylbenzene	12.59	91	754174	20.489	ug/l	100
79) 2-Chlorotoluene	12.68	91	445937	20.421	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	557676	21.121	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39307	18.999	ug/l	95
82) 4-Chlorotoluene	12.77	91	449366	20.053	ug/l	99
83) tert-Butylbenzene	12.99	119	497463	21.317	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	569353	21.165	ug/l	99
85) sec-Butylbenzene	13.17	105	666673	20.993	ug/l	100
86) p-Isopropyltoluene	13.29	119	576776	20.767	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	301621	19.552	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	301021	19.727	ug/l	100
89) n-Butylbenzene	13.62	91	479120	19.930	ug/l	100
90) Hexachloroethane	13.88	117	94205	20.564	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	300094	20.320	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22816	21.009	ug/l	98

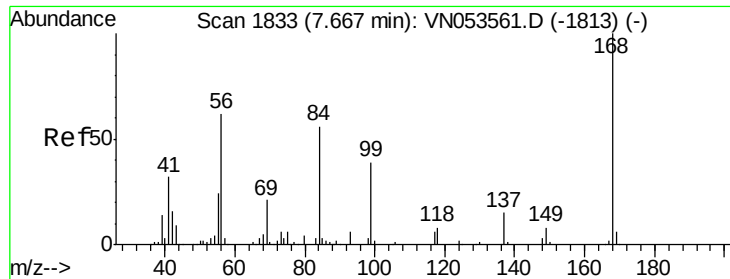
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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	166874	19.702	ug/l	99
94) Hexachlorobutadiene	15.01	225	105225	19.949	ug/l	99
95) Naphthalene	15.13	128	378073	20.078	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	158834	20.210	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

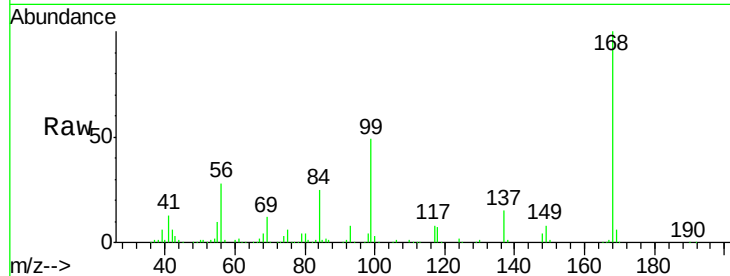
VN0205WBSD01

Tot Ion:168 Resp: 694495

Ion Ratio Lower Upper

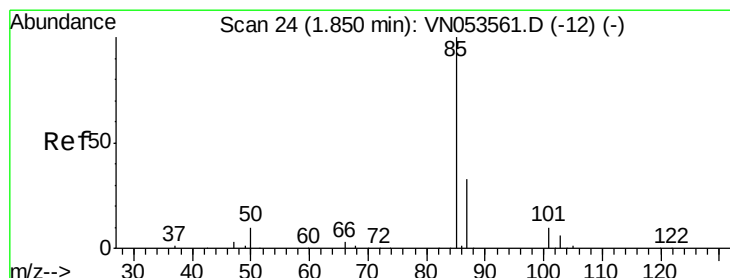
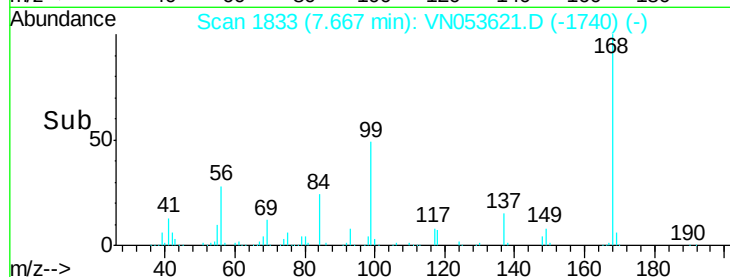
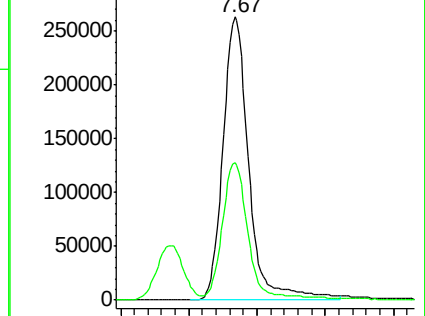
168 100

99 47.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.722 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053621.D

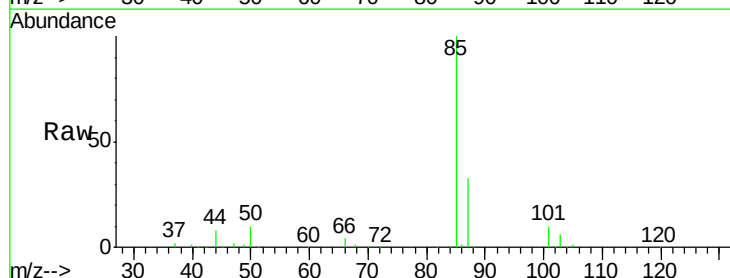
Acq: 5 Feb 2019 15:49

Tgt Ion: 85 Resp: 152805

Ion Ratio Lower Upper

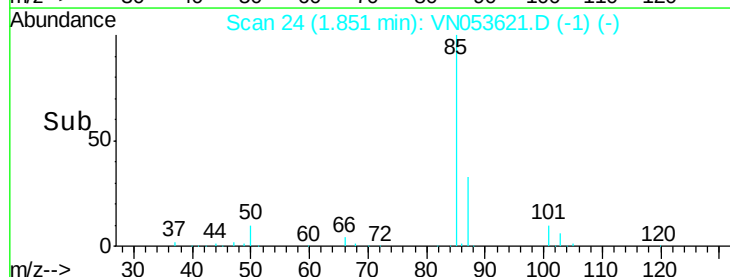
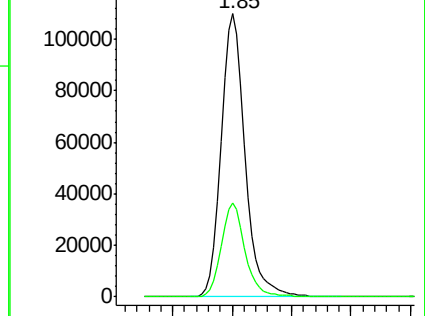
85 100

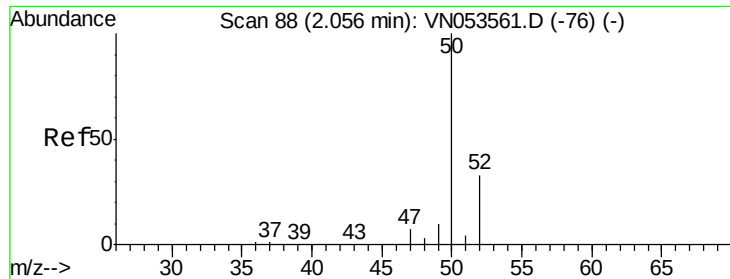
87 33.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.373 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

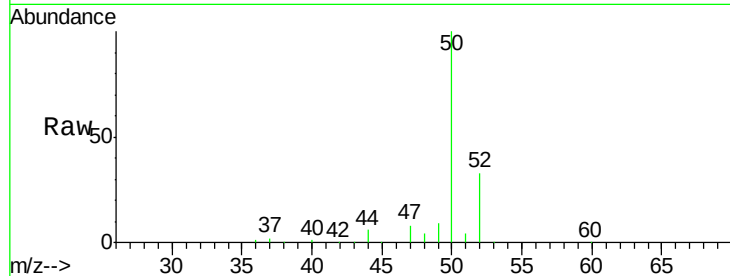
VN0205WBSD01

Tot Ion: 50 Resp: 167978

Ion Ratio Lower Upper

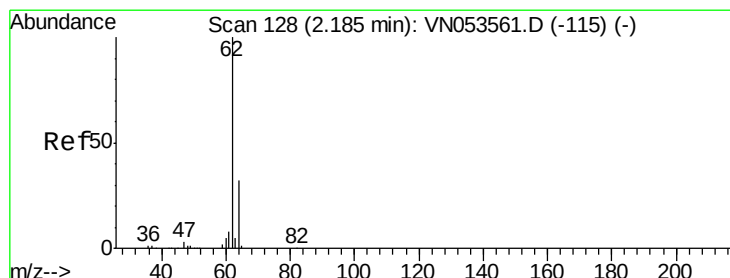
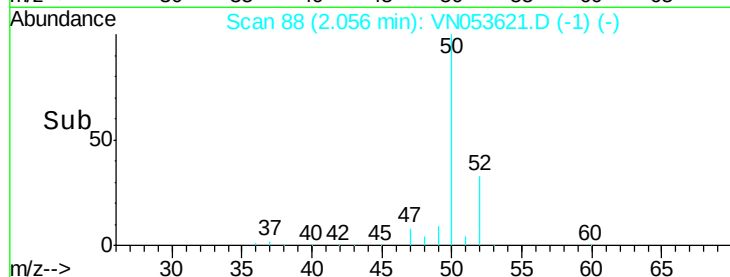
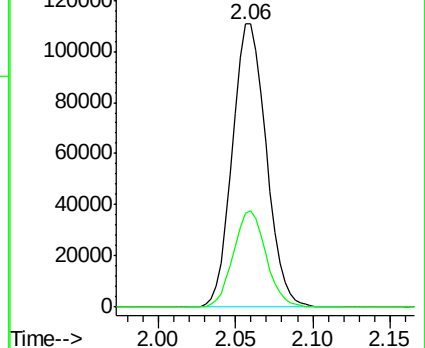
50 100

52 33.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.284 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053621.D

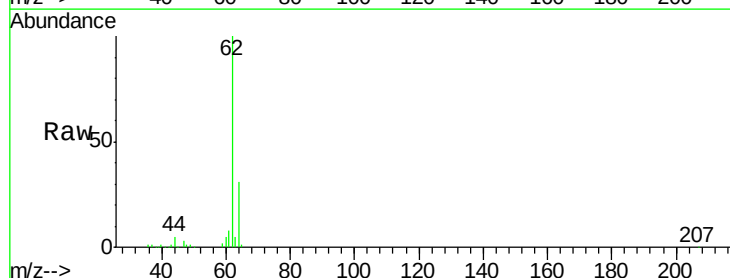
Acq: 5 Feb 2019 15:49

Tgt Ion: 62 Resp: 170349

Ion Ratio Lower Upper

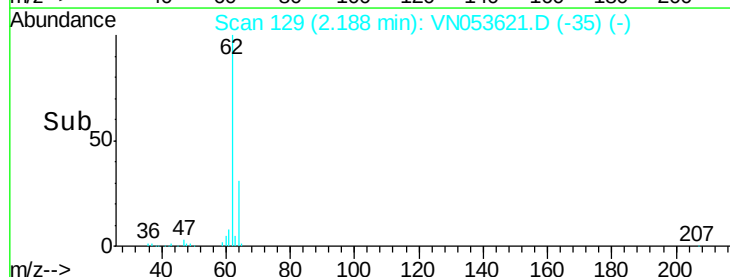
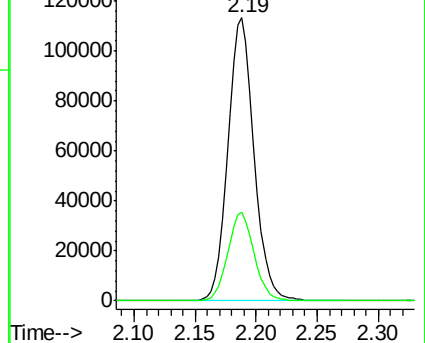
62 100

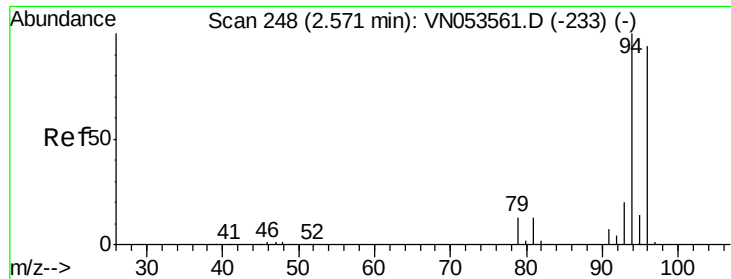
64 31.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

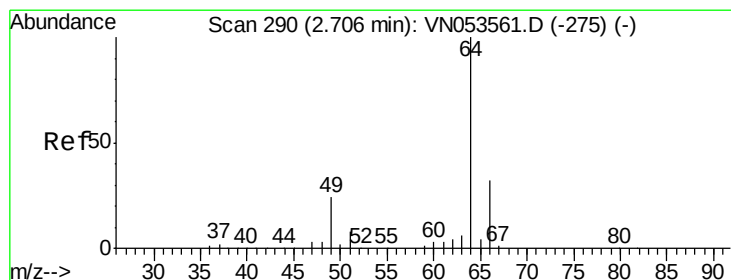
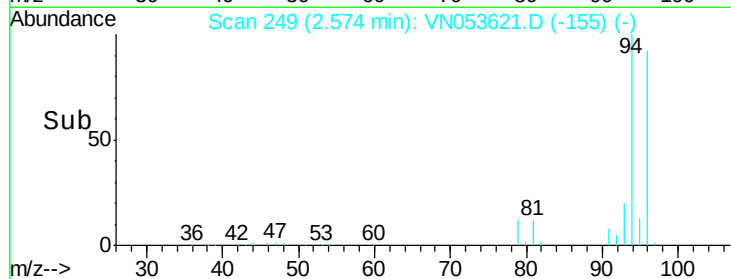
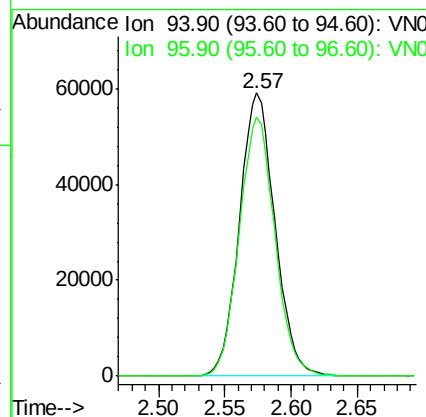
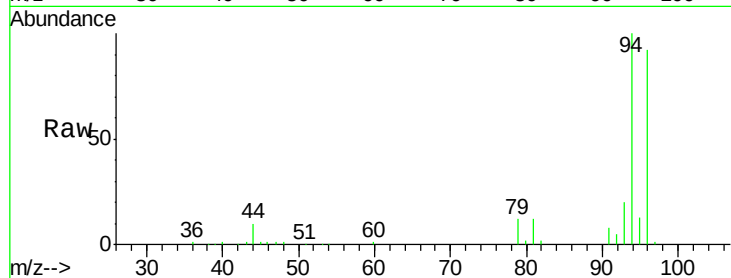




#5
Bromomethane
Concen: 21.034 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

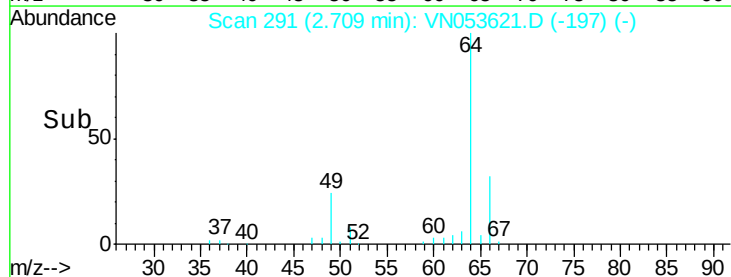
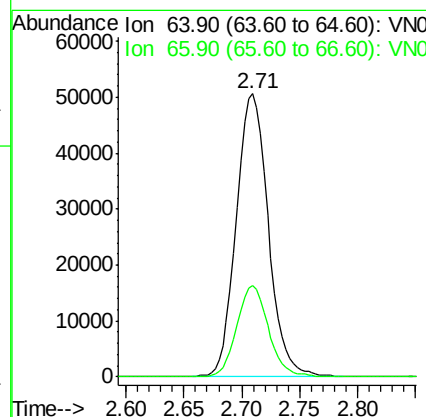
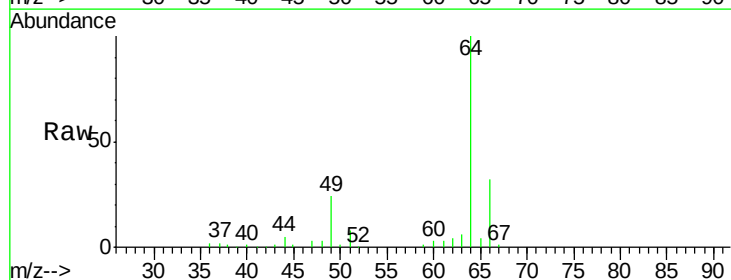
Instrument :
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ClientSampleId :
VN0205WBSD01

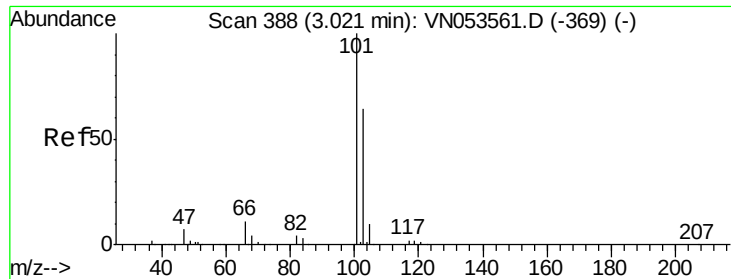
Tot Ion: 94 Resp: 110075
Ion Ratio Lower Upper
94 100
96 91.7 76.8 115.2



#6
Chloroethane
Concen: 21.230 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion: 64 Resp: 97103
Ion Ratio Lower Upper
64 100
66 32.5 25.1 37.7



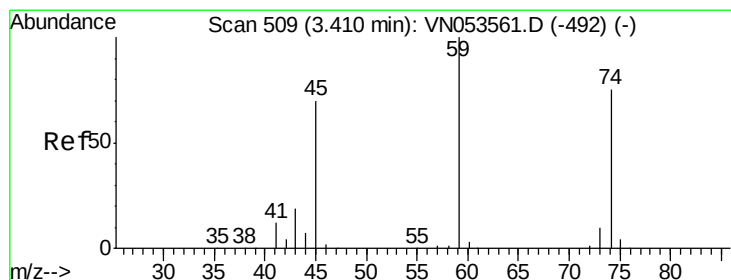
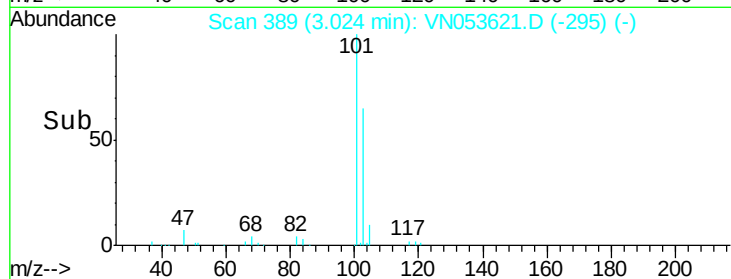
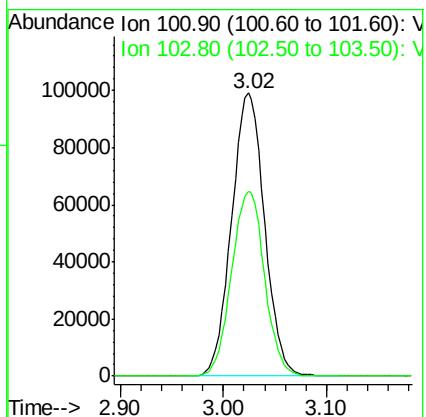
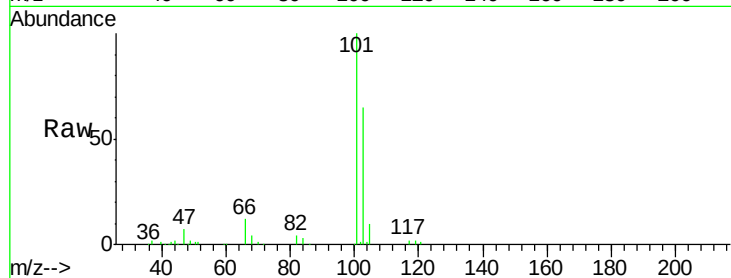


#7

Trichlorofluoromethane
 Concen: 20.337 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0205WBSD01

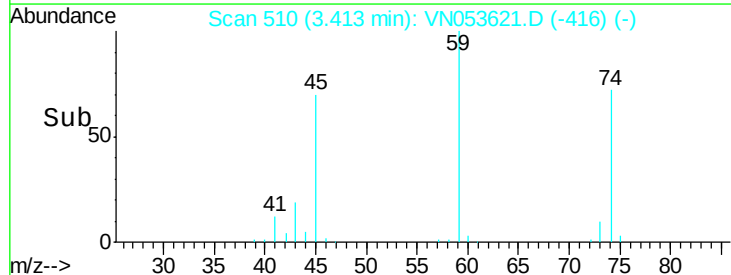
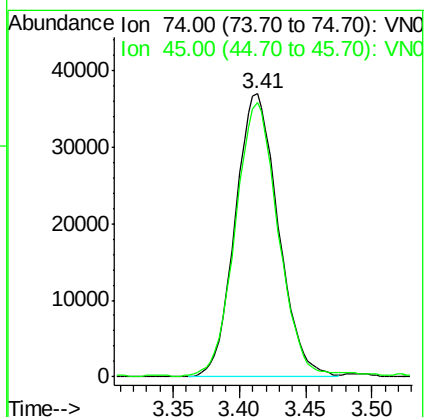
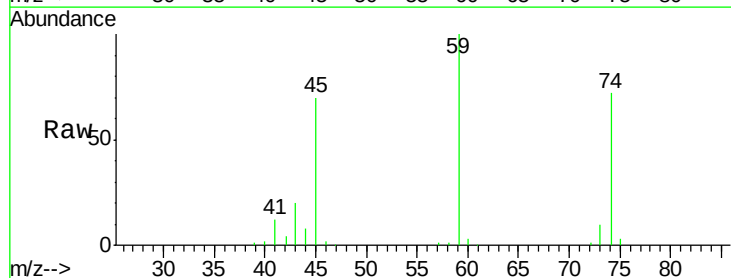
Tot Ion:101 Resp: 220737
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.6 77.4

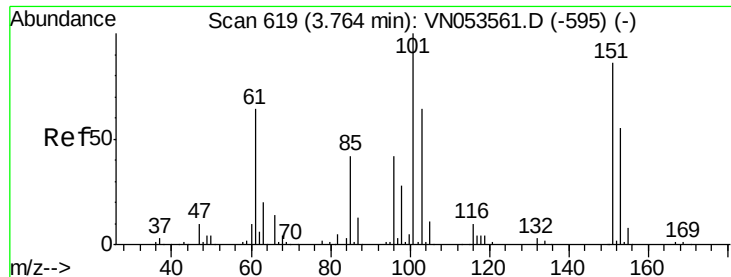


#8

Diethyl Ether
 Concen: 21.021 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion: 74 Resp: 83325
 Ion Ratio Lower Upper
 74 100
 45 96.5 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.192 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

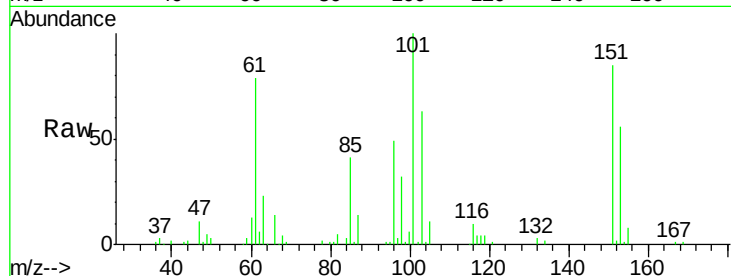
Tot Ion:101 Resp: 135537

Ion Ratio Lower Upper

101 100

85 40.6 32.8 49.2

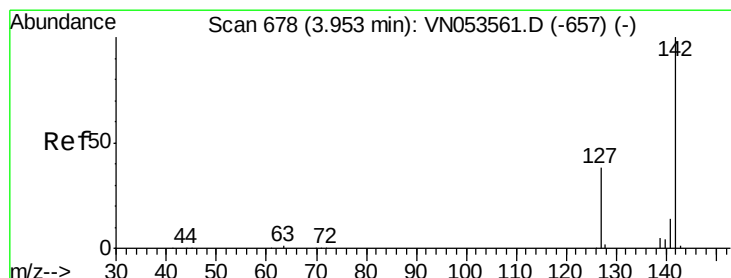
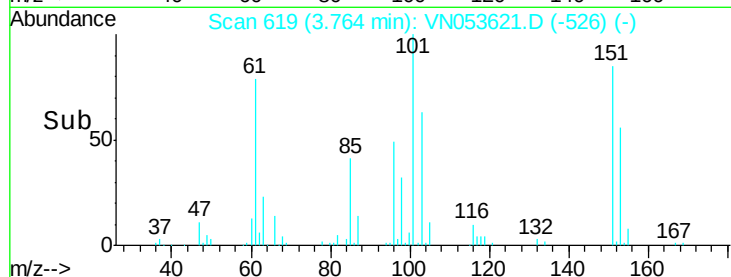
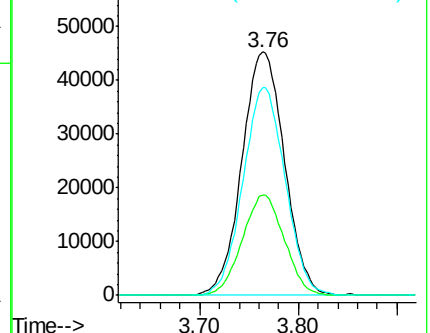
151 84.8 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.029 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

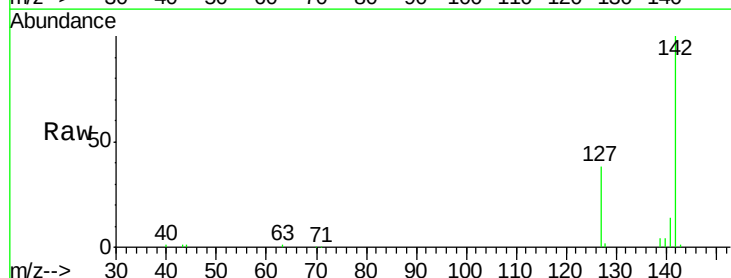
Tgt Ion:142 Resp: 211019

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.4

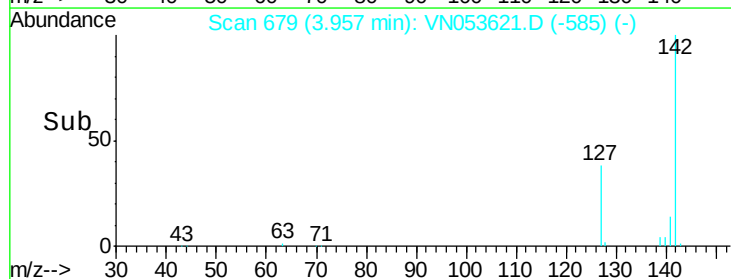
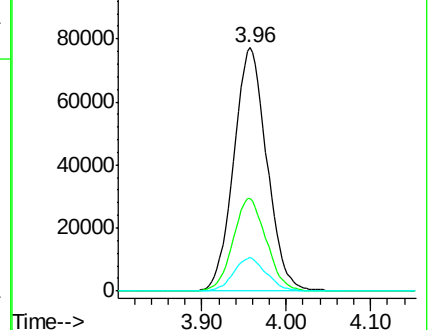
141 13.6 11.1 16.7

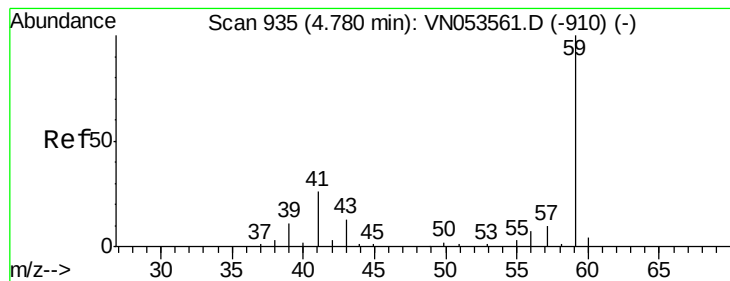


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



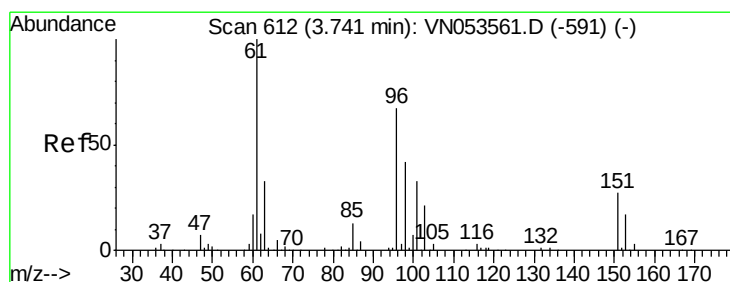
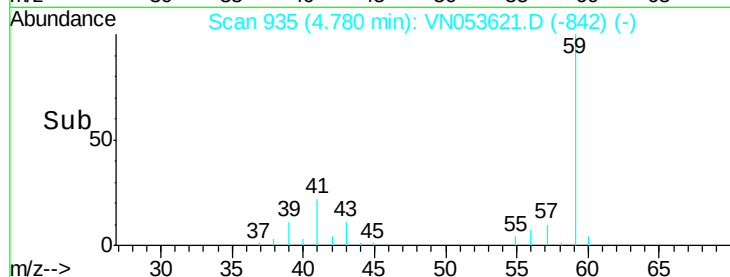
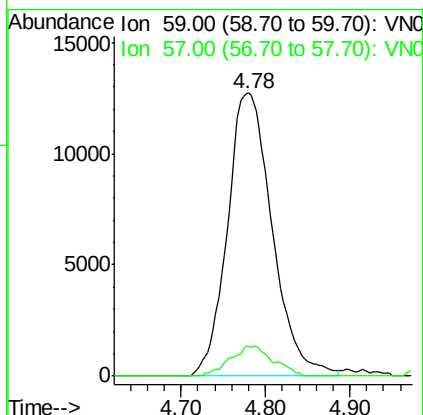
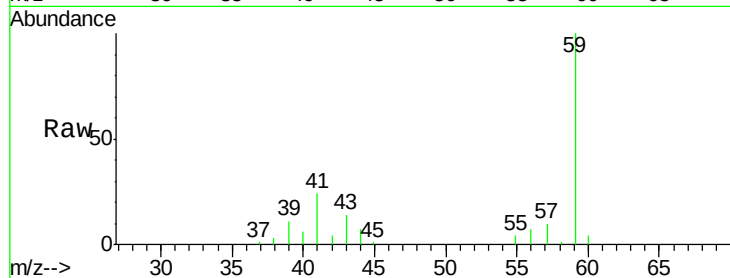


#11

Tert butyl alcohol
 Concen: 113.821 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

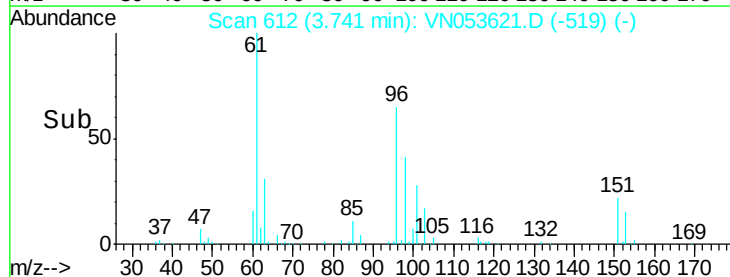
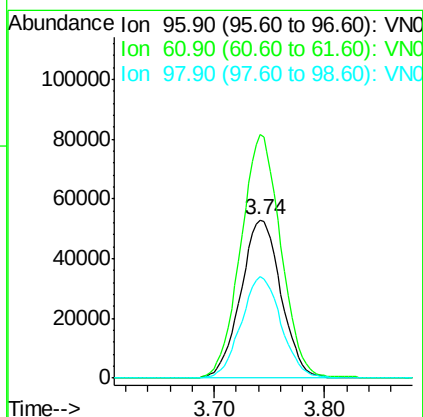
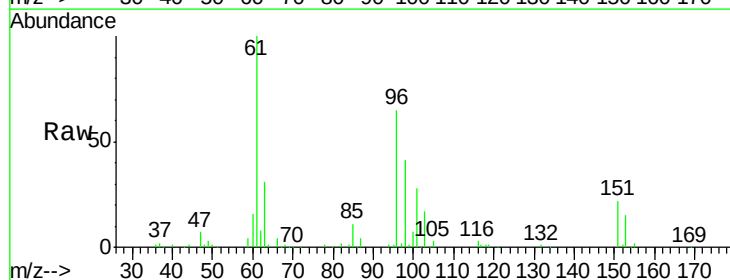
Tot Ion: 59 Resp: 46932
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4

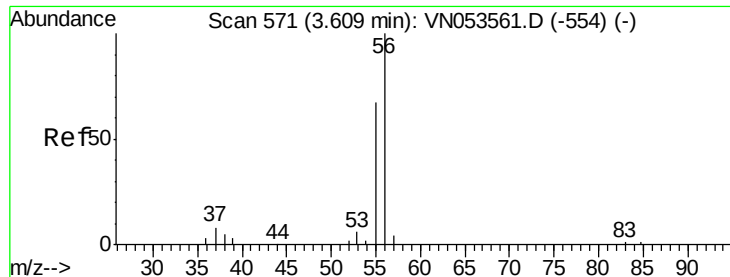


#12

1,1-Dichloroethene
 Concen: 20.767 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion: 96 Resp: 133559
 Ion Ratio Lower Upper
 96 100
 61 154.2 122.9 184.3
 98 63.9 49.4 74.0

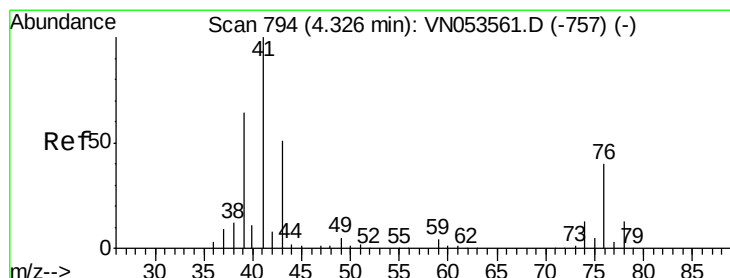
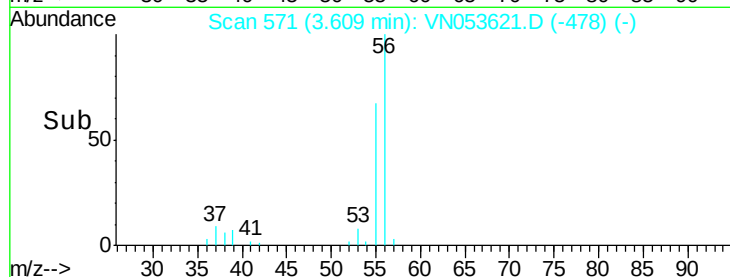
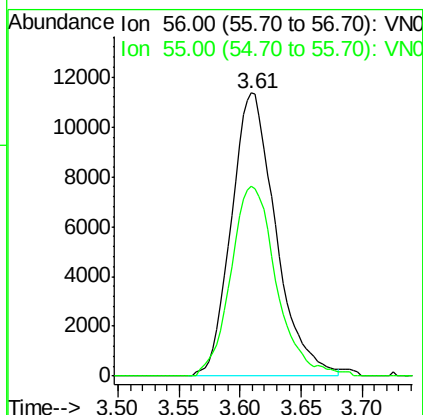
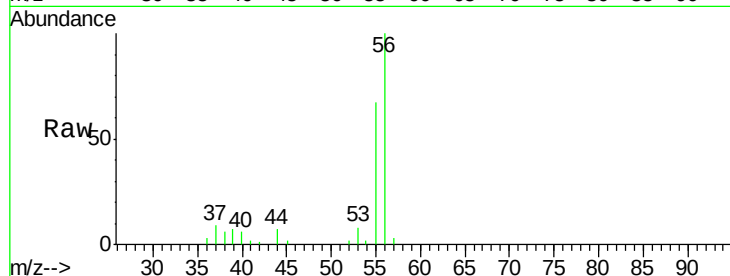




#13
Acrolein
Concen: 127.984 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

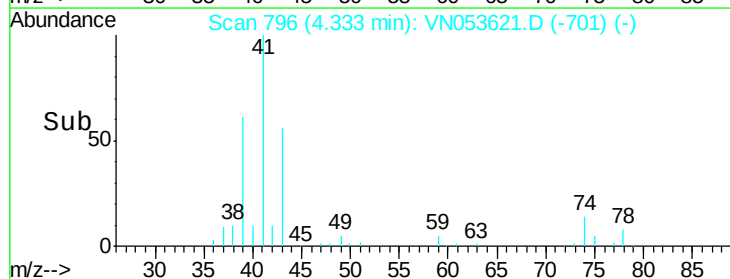
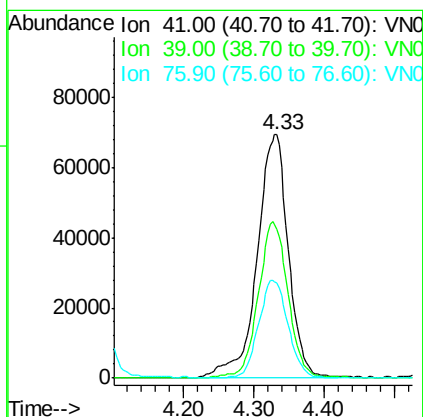
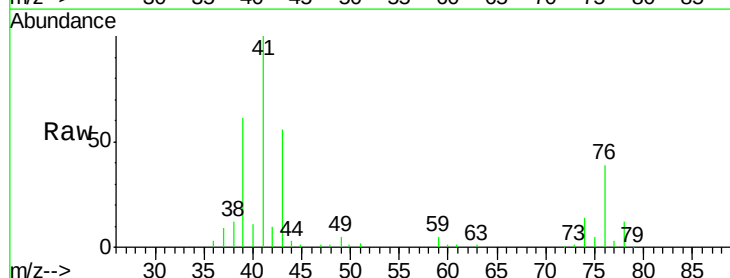
Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

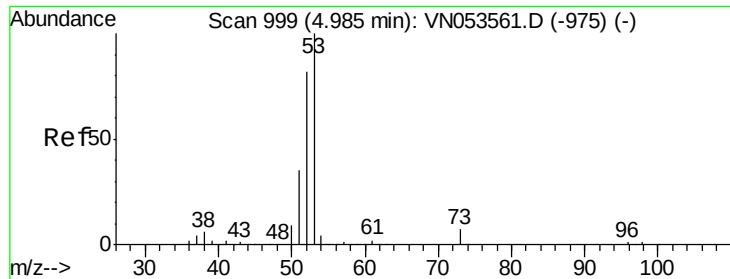
Tot Ion: 56 Resp: 28732
Ion Ratio Lower Upper
56 100
55 68.7 57.4 86.0



#14
Allyl chloride
Concen: 20.957 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion: 41 Resp: 214594
Ion Ratio Lower Upper
41 100
39 61.3 48.9 73.3
76 38.0 29.4 44.2





#15

Acrylonitrile

Concen: 112.563 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

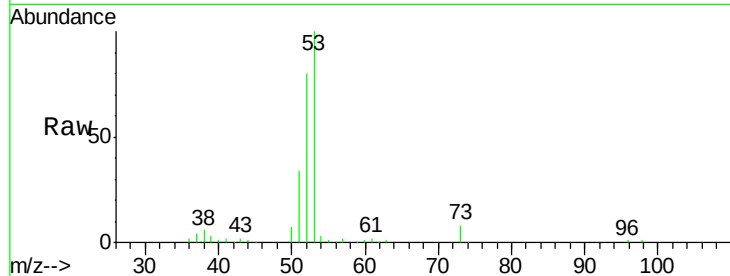
Tot Ion: 53 Resp: 250563

Ion Ratio Lower Upper

53 100

52 81.6 66.0 99.0

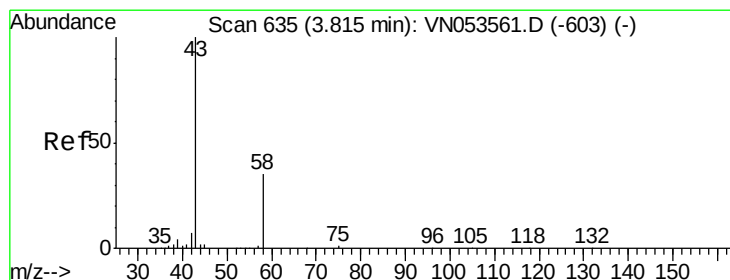
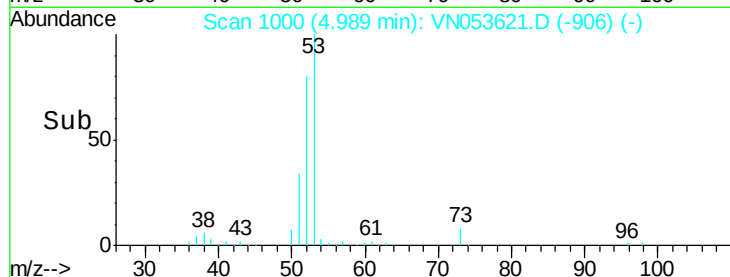
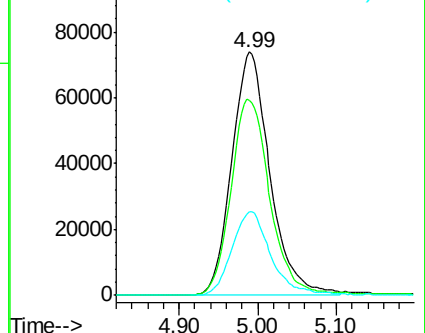
51 35.1 28.3 42.5



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: 91.838 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053621.D

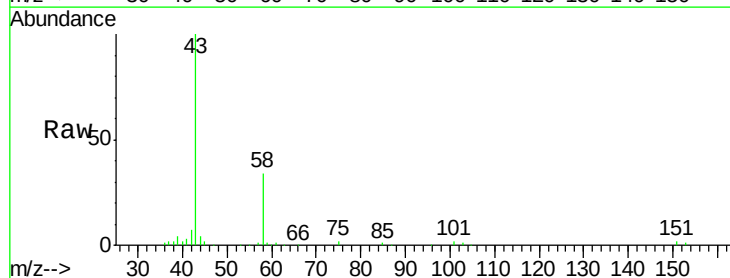
Acq: 5 Feb 2019 15:49

Tgt Ion: 43 Resp: 164123

Ion Ratio Lower Upper

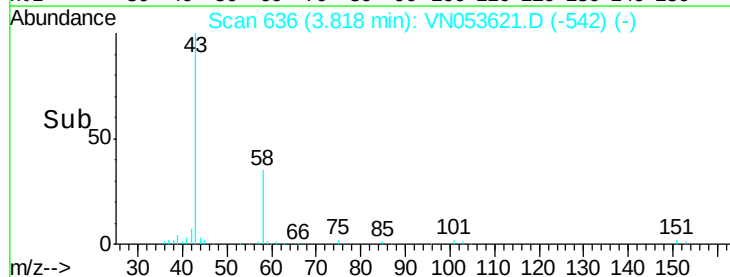
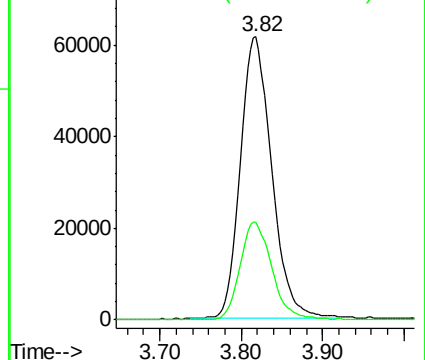
43 100

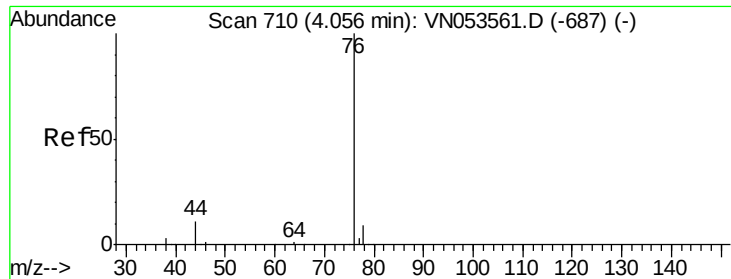
58 34.6 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.007 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

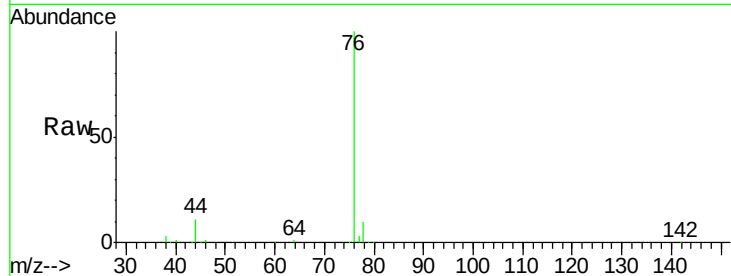
VN0205WBSD01

Tot Ion: 76 Resp: 380624

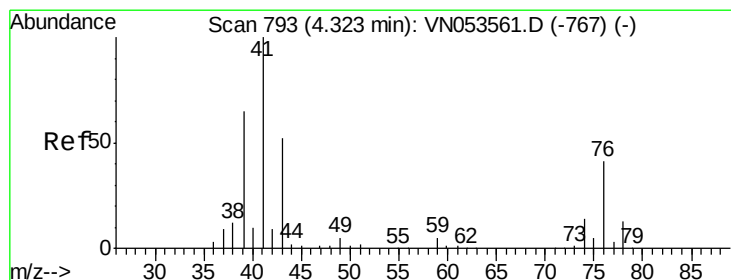
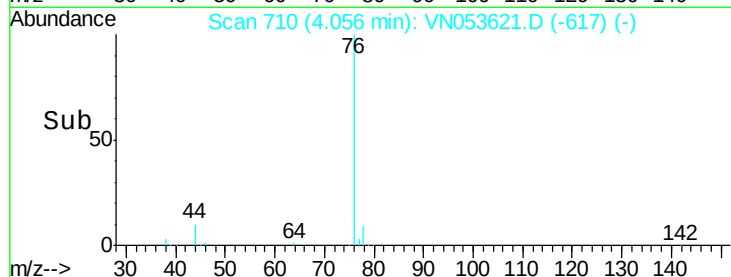
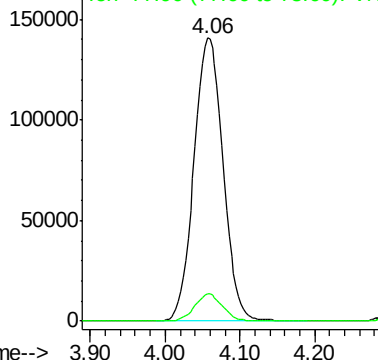
Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 22.281 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053621.D

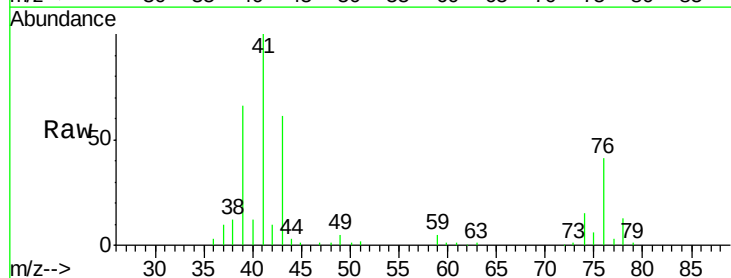
Acq: 5 Feb 2019 15:49

Tgt Ion: 43 Resp: 117920

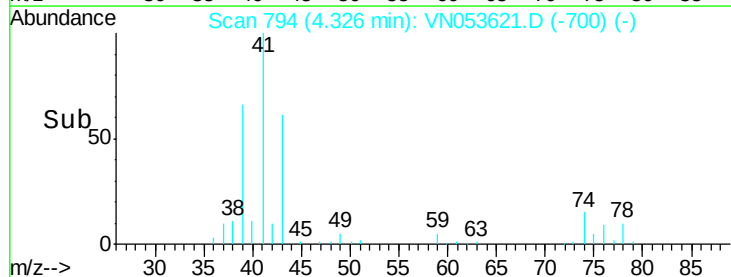
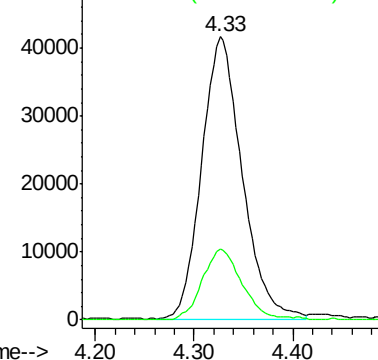
Ion Ratio Lower Upper

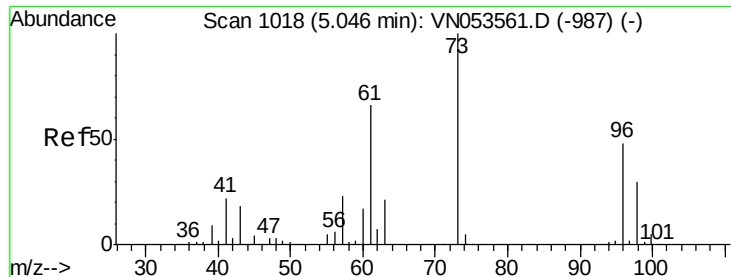
43 100

74 24.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

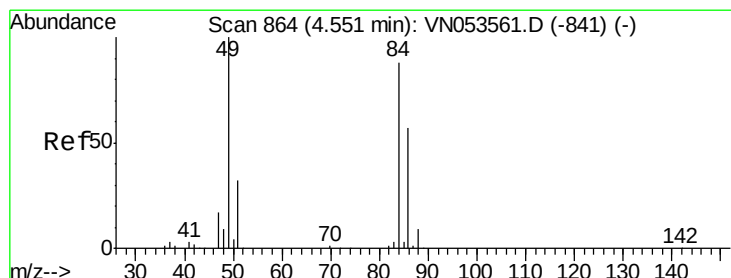
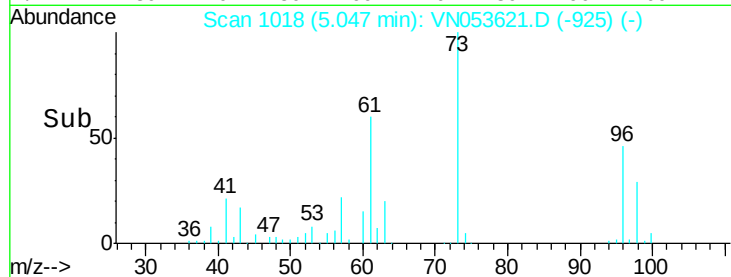
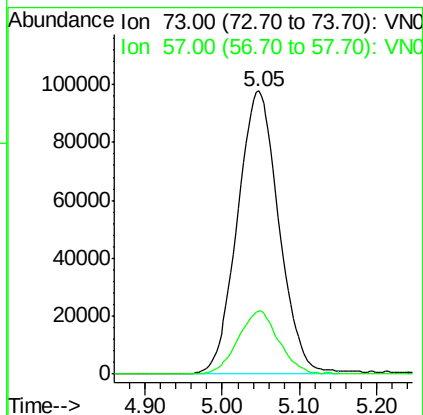
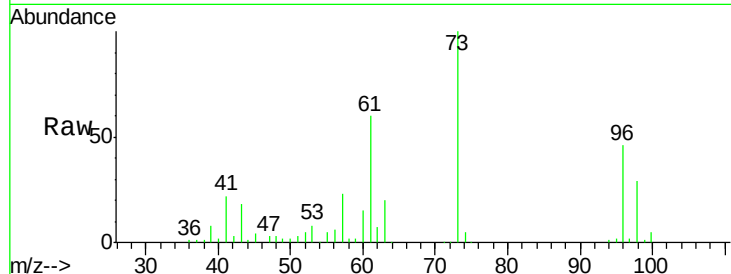




#19
Methvl tert-butvl Ether
Concen: 22.354 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

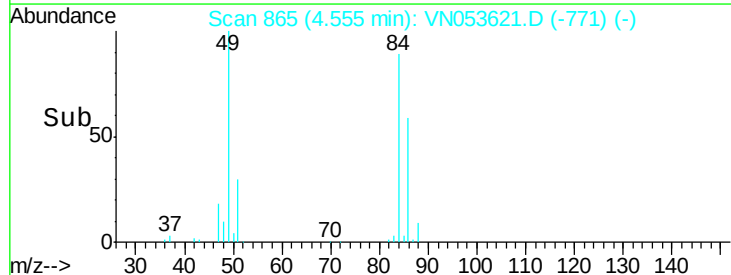
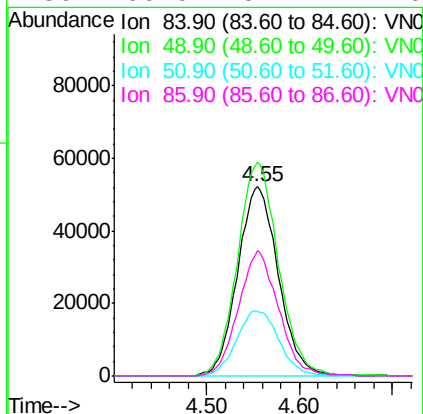
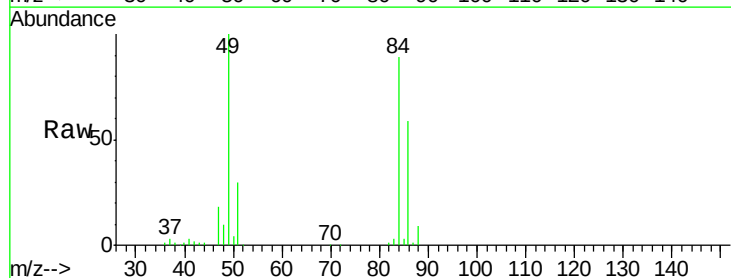
Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

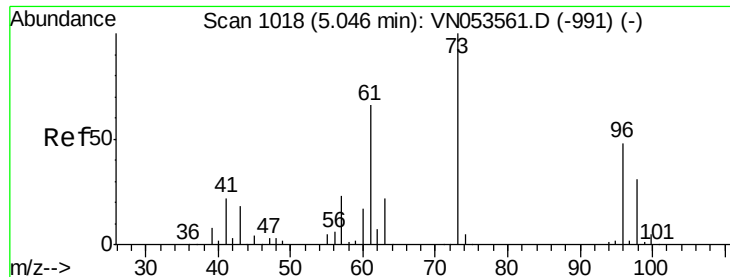
Tot Ion: 73 Resp: 364441
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5



#20
Methylene Chloride
Concen: 21.192 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion: 84 Resp: 158886
Ion Ratio Lower Upper
84 100
49 112.8 94.3 141.5
51 34.0 29.4 44.2
86 66.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.299 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

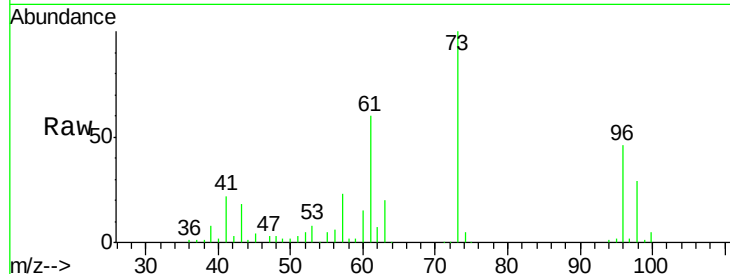
Tot Ion: 96 Resp: 140839

Ion Ratio Lower Upper

96 100

61 129.9 110.1 165.1

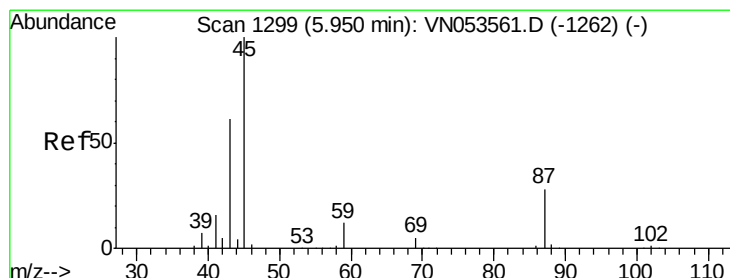
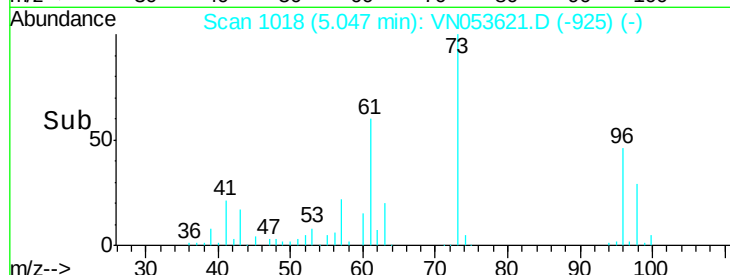
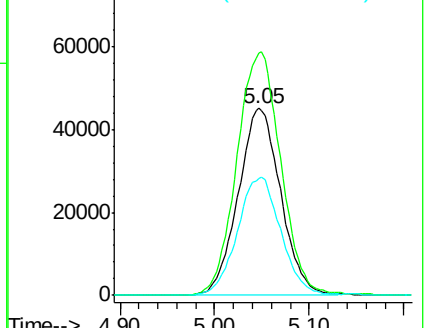
98 62.6 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.451 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Tgt Ion: 45 Resp: 406999

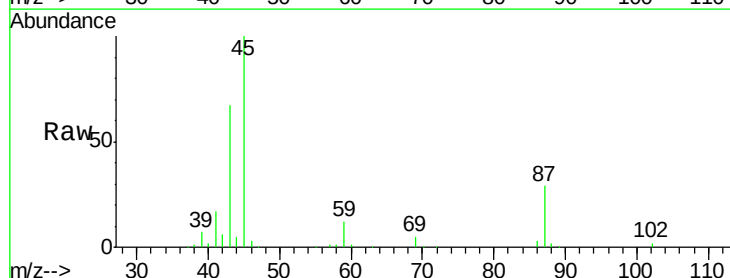
Ion Ratio Lower Upper

45 100

43 64.2 44.2 66.4

87 28.4 22.7 34.1

59 11.9 9.4 14.2

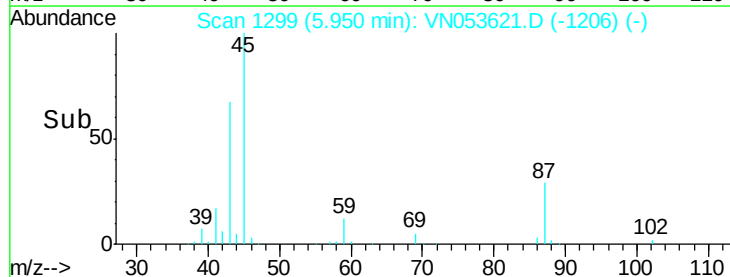
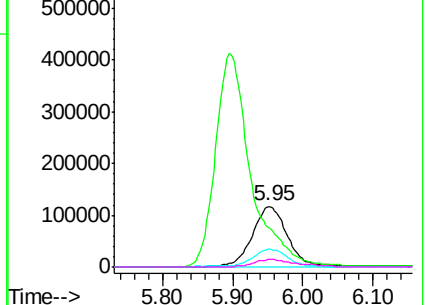


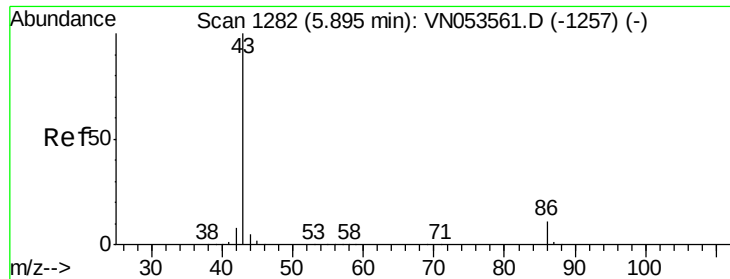
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

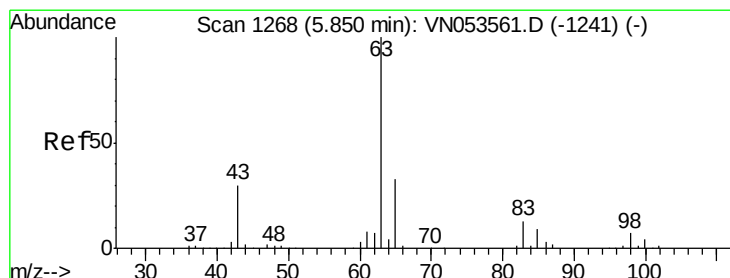
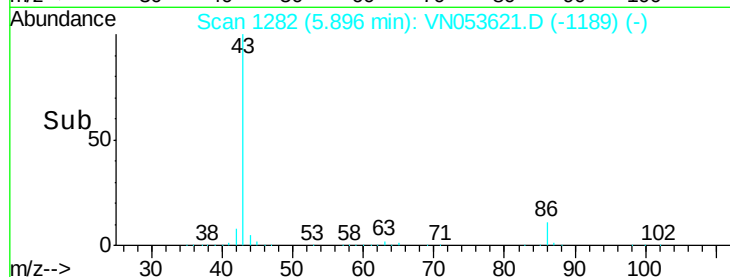
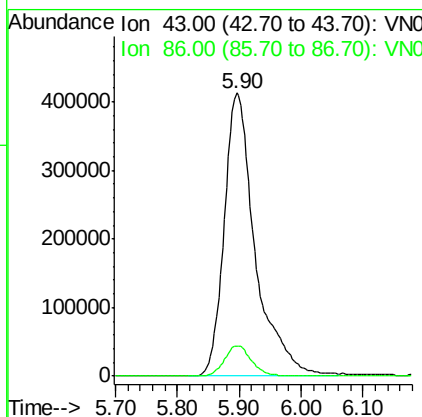
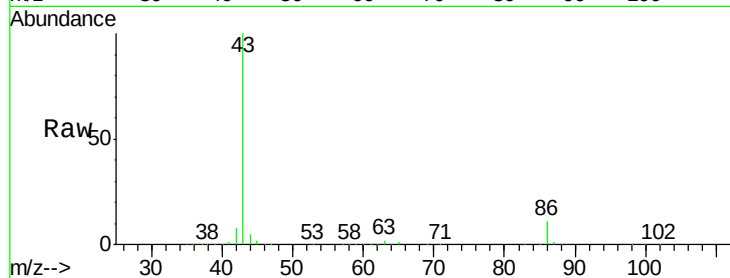




#23
 Vinyl Acetate
 Concen: 109.871 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

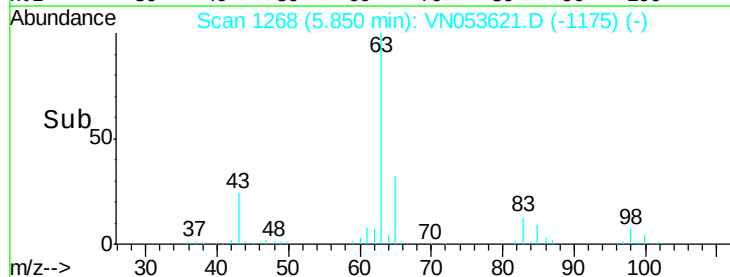
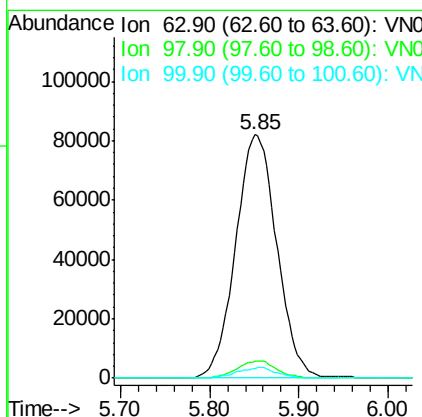
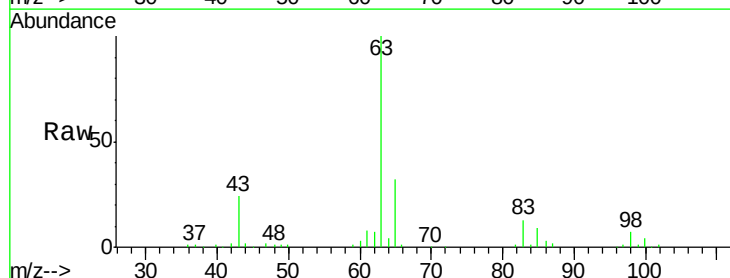
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

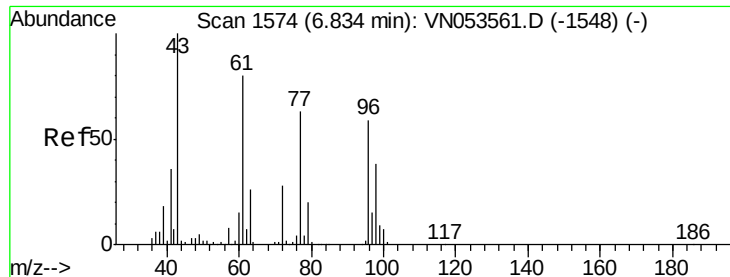
Tot Ion: 43 Resp: 1442127
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 20.786 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion: 63 Resp: 263049
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.9
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 104.271 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

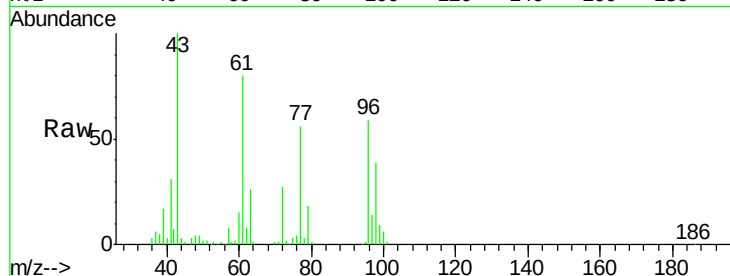
VN0205WBSD01

Tot Ion: 43 Resp: 265763

Ion Ratio Lower Upper

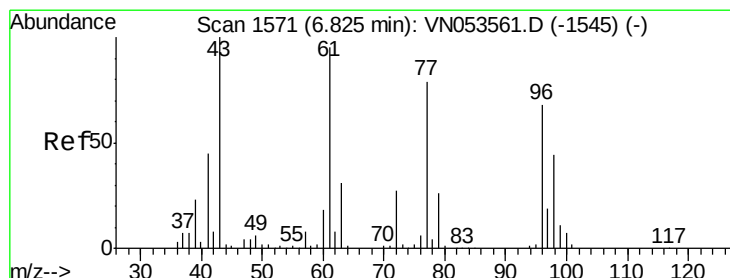
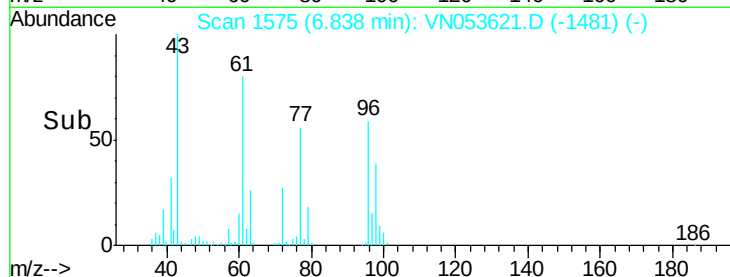
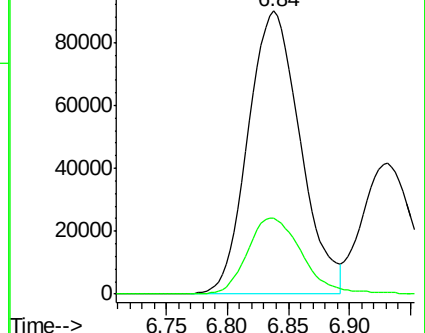
43 100

72 26.8 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.918 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053621.D

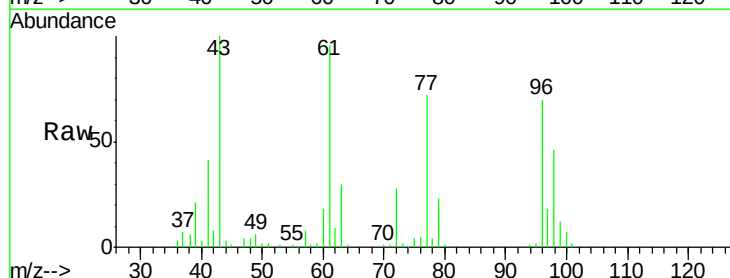
Acq: 5 Feb 2019 15:49

Tgt Ion: 77 Resp: 182755

Ion Ratio Lower Upper

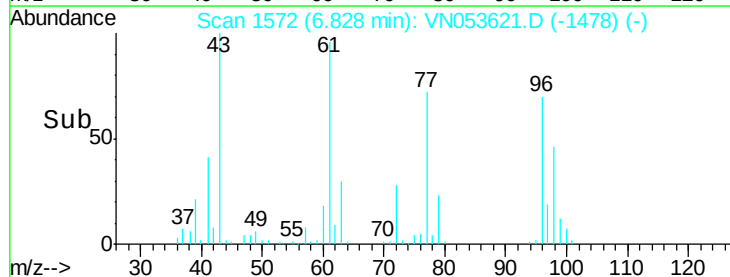
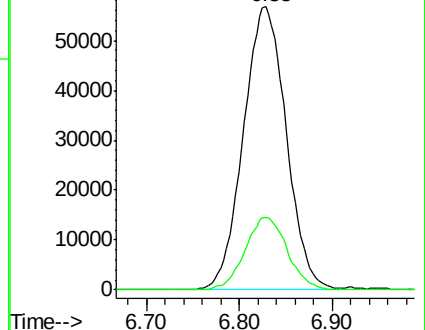
77 100

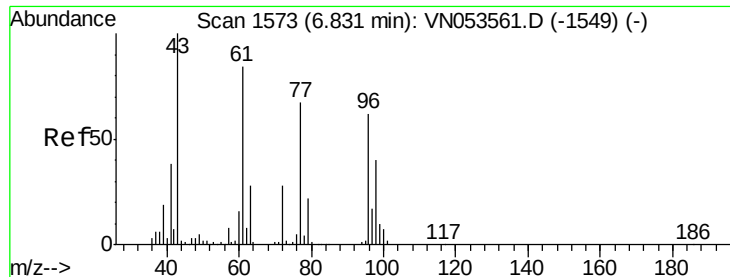
97 25.3 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 21.328 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

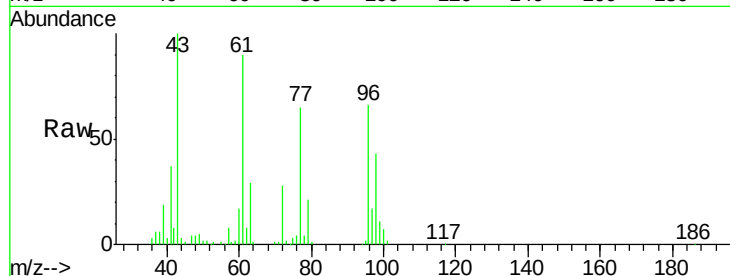
Tot Ion: 96 Resp: 164550

Ion Ratio Lower Upper

96 100

61 136.7 0.0 283.8

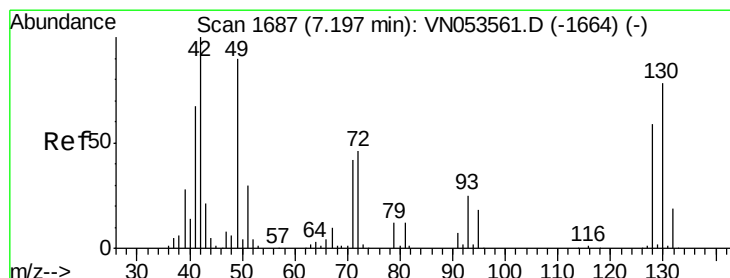
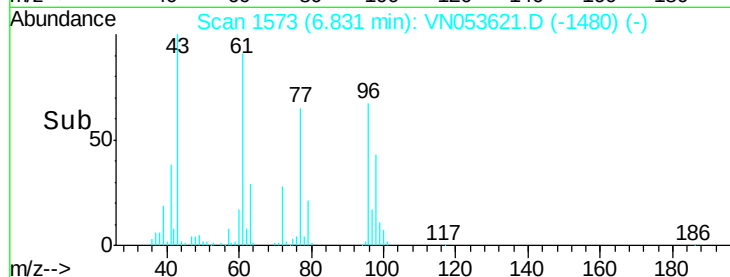
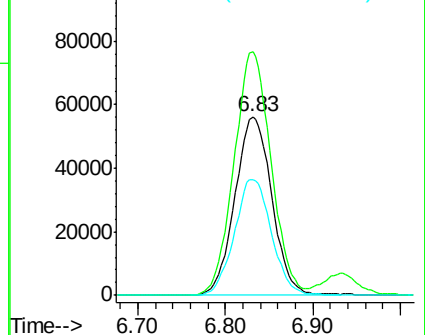
98 65.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.303 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

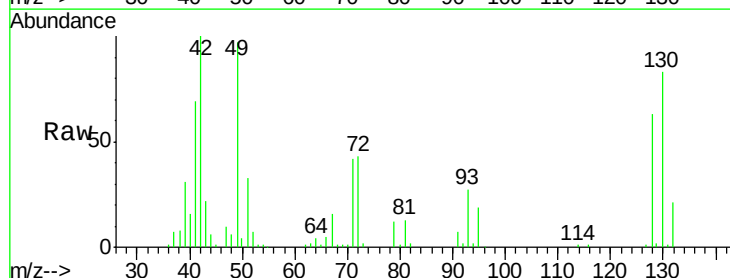
Tgt Ion: 49 Resp: 116991

Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.0

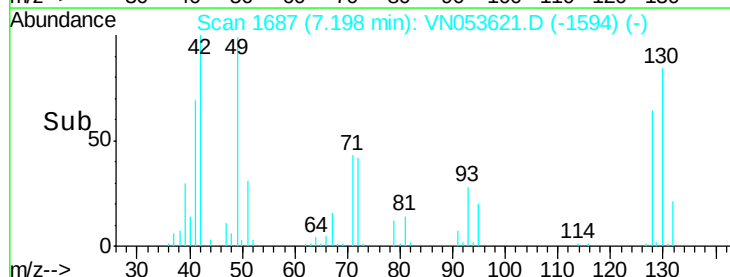
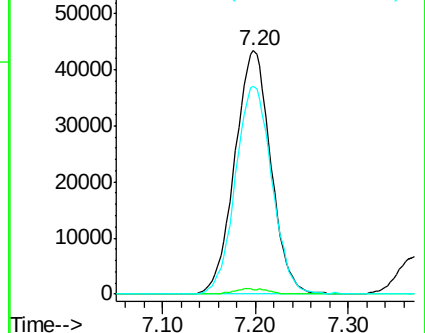
130 86.5 66.3 99.5

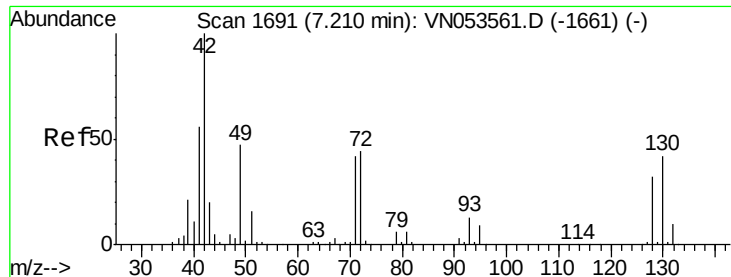


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

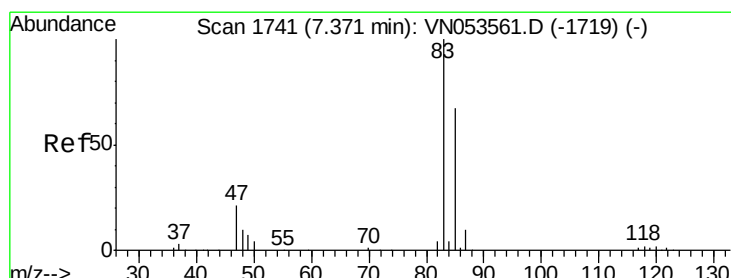
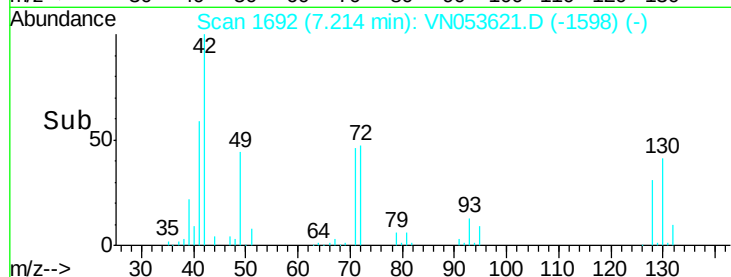
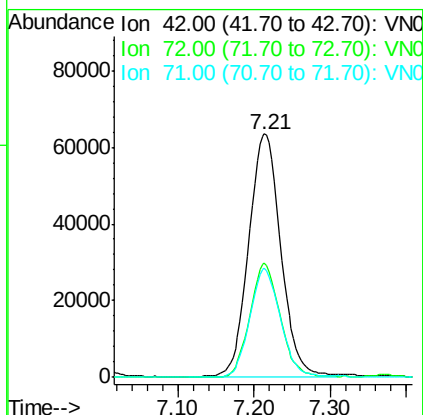
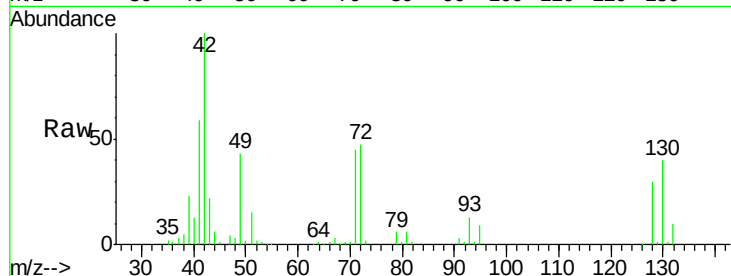




#29
Tetrahydrofuran
Concen: 114.852 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

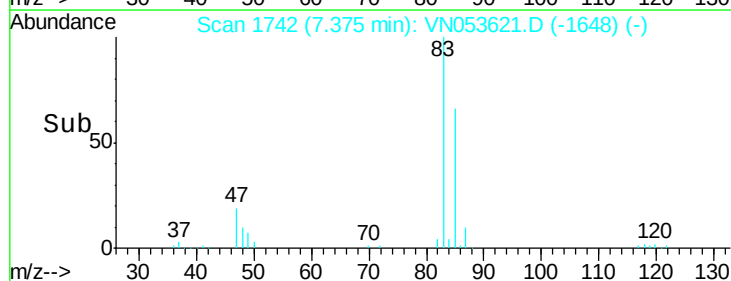
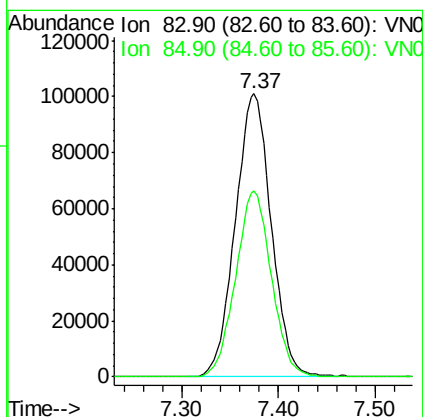
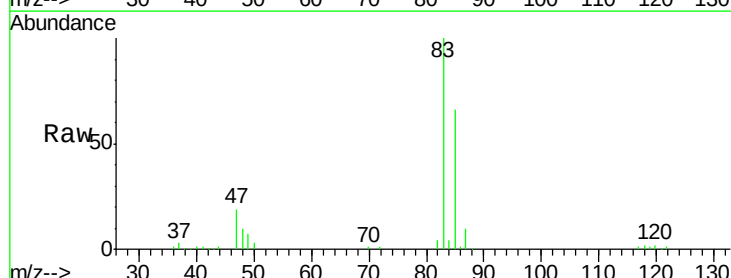
Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

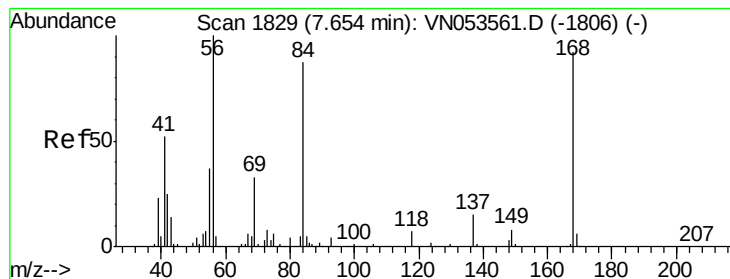
Tot Ion: 42 Resp: 187972
Ion Ratio Lower Upper
42 100
72 43.7 35.2 52.8
71 42.2 33.0 49.4



#30
Chloroform
Concen: 20.787 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion: 83 Resp: 260773
Ion Ratio Lower Upper
83 100
85 66.0 52.2 78.2





#31

Cyclohexane

Concen: 20.012 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

VN0205WBSD01

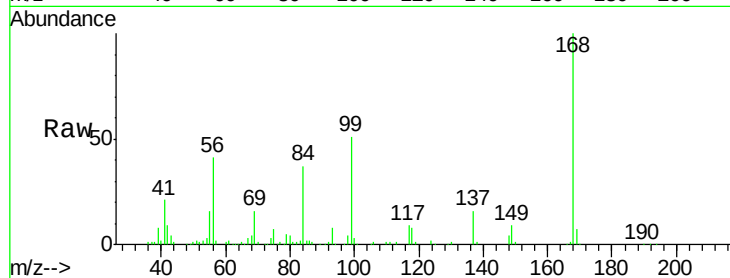
Tot Ion: 56 Resp: 236986

Ion Ratio Lower Upper

56 100

69 38.4 26.4 39.6

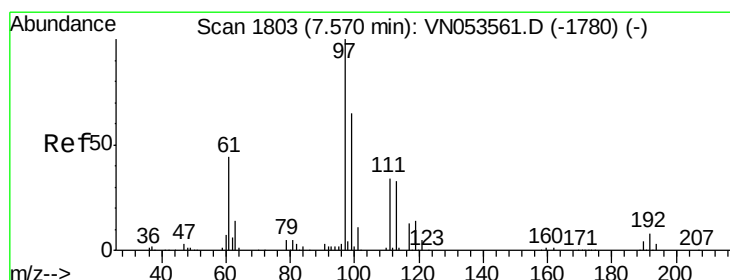
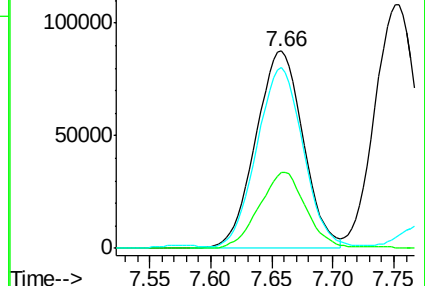
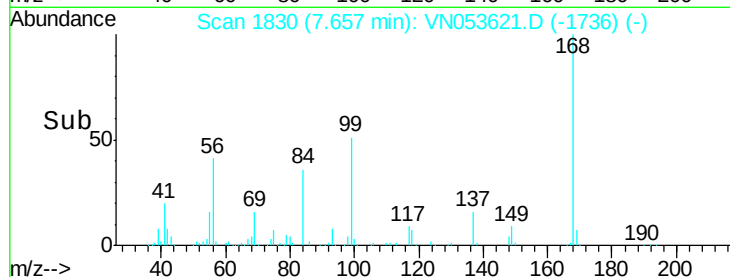
84 89.9 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.814 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

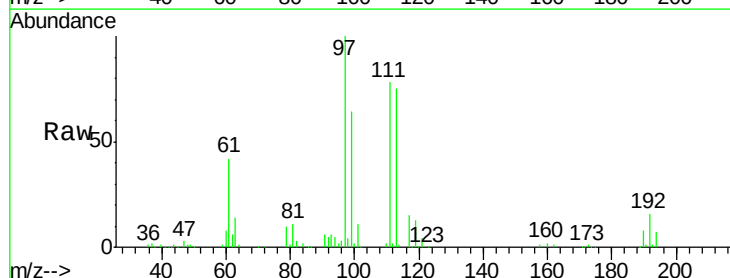
Tgt Ion: 97 Resp: 217300

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

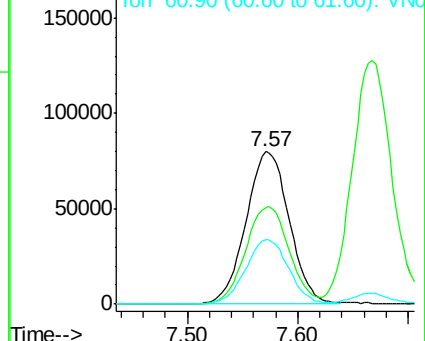
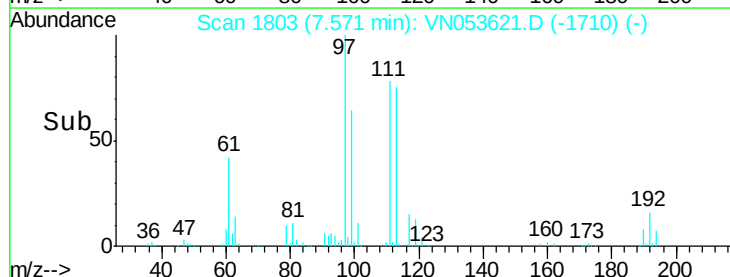
61 42.2 34.4 51.6

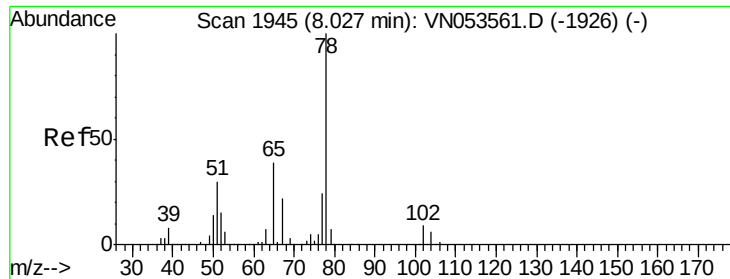


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

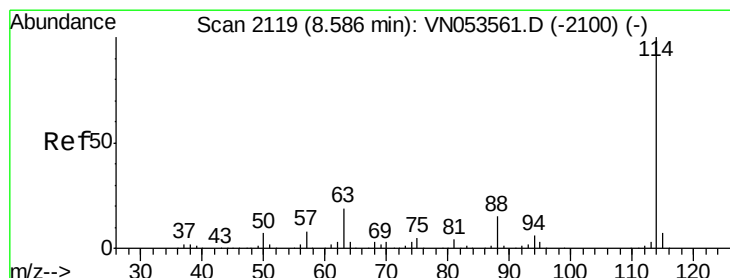
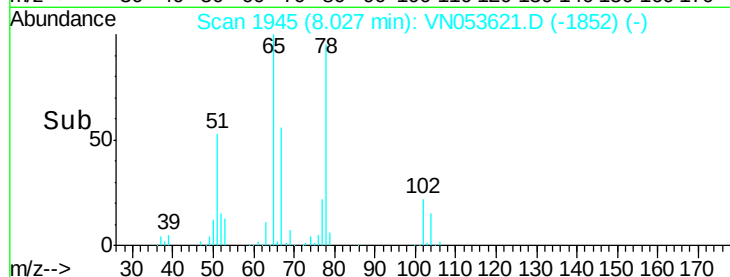
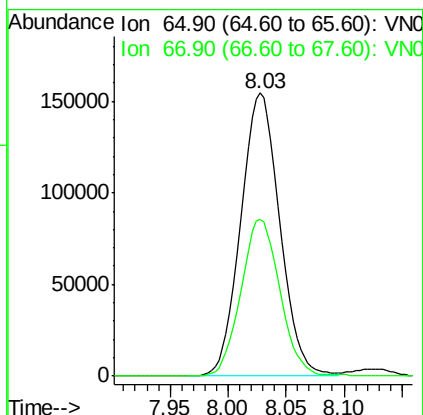
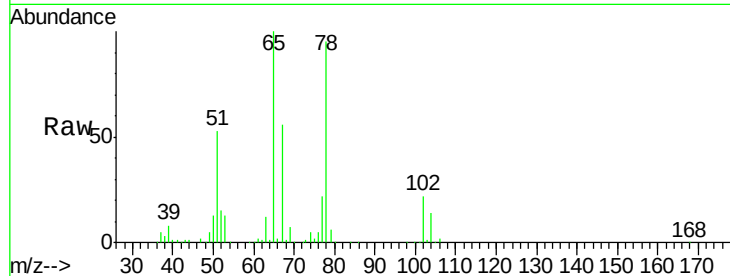




#33
 1,2-Dichloroethane-d4
 Concen: 20.814 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

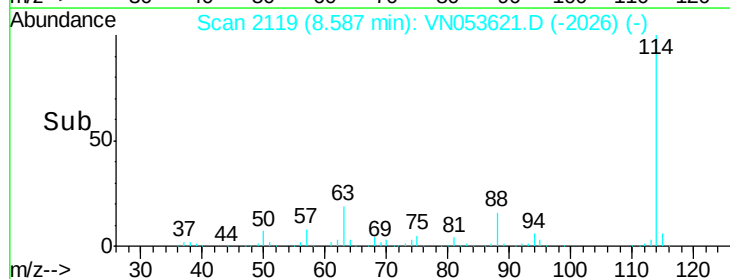
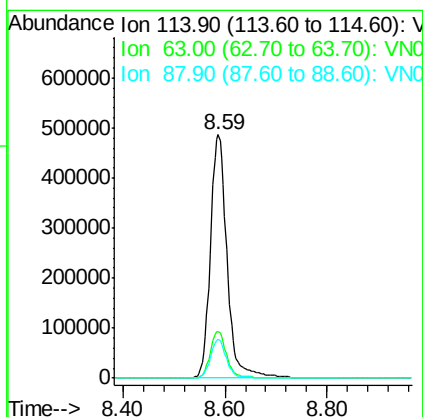
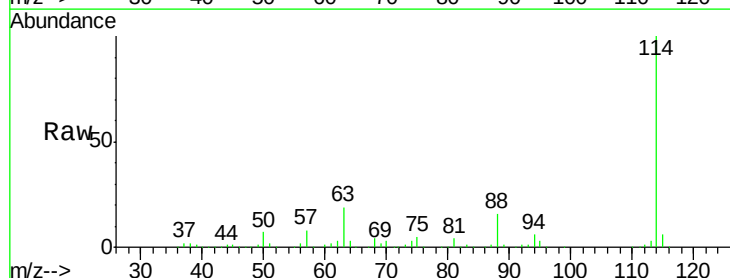
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

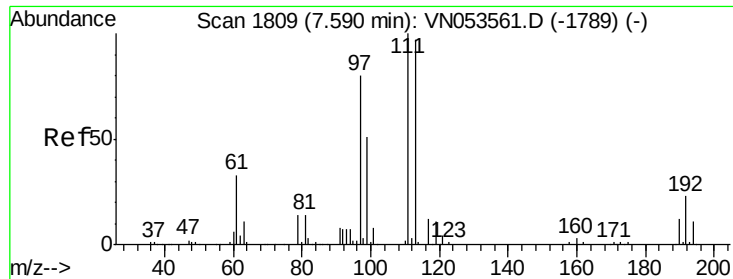
Tot Ion: 65 Resp: 362220
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion: 114 Resp: 1102785
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.8 0.0 30.4

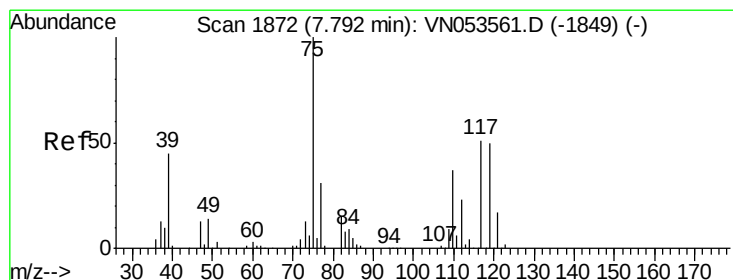
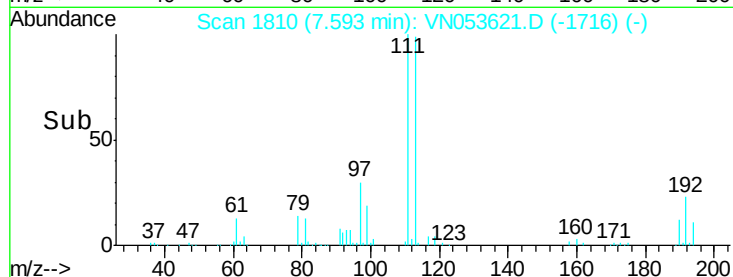
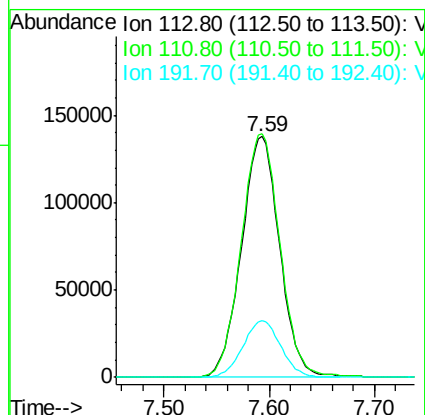
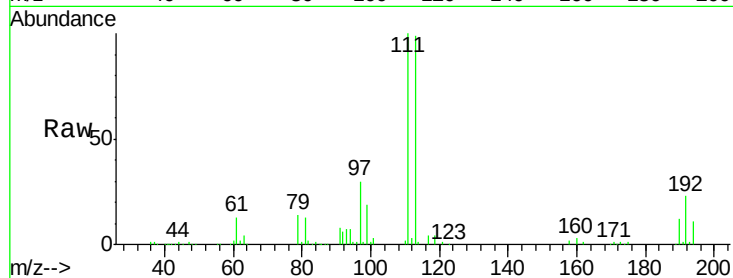




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

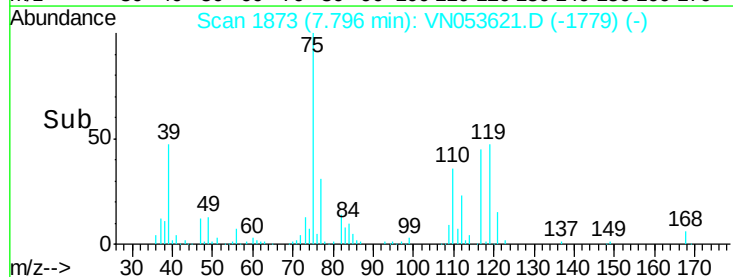
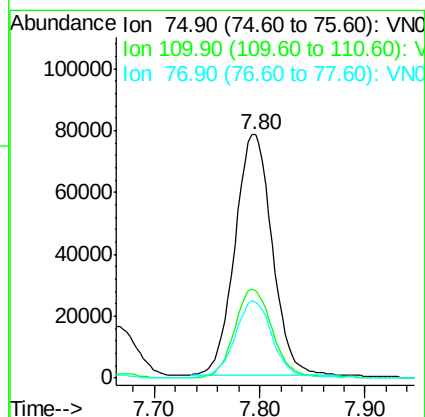
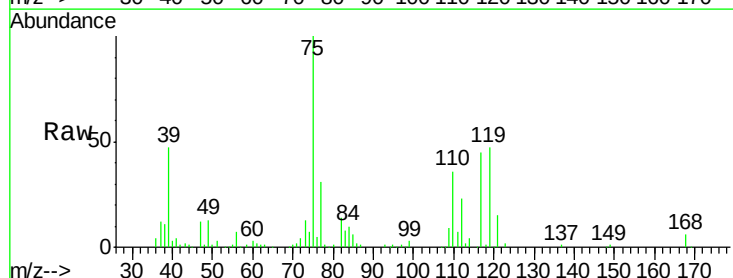
Instrument :
 MSVOA_N
 ClientSampled :
 VN0205WBSD01

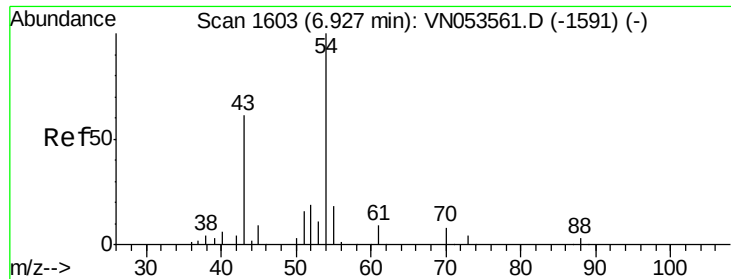
Tot Ion:113 Resp: 346956
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.1 121.7
 192 23.4 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 19.182 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion: 75 Resp: 190688
 Ion Ratio Lower Upper
 75 100
 110 37.9 18.1 54.3
 77 32.9 25.1 37.7

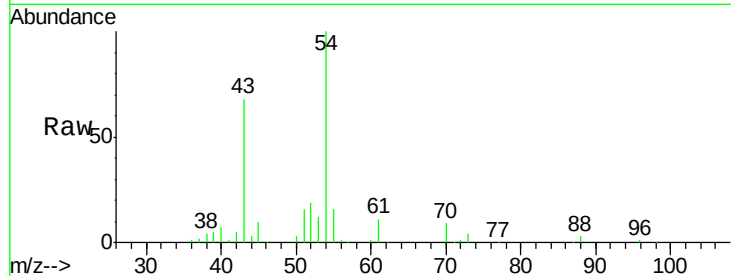




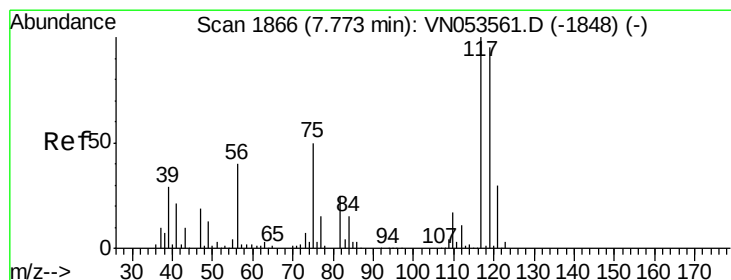
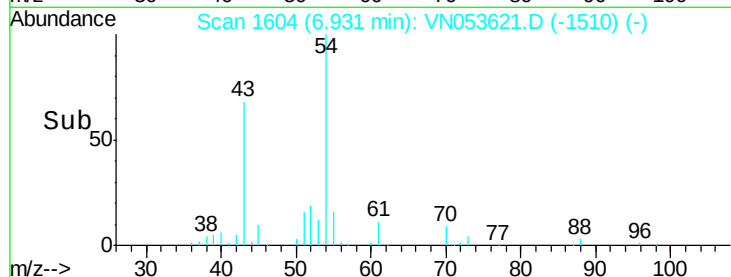
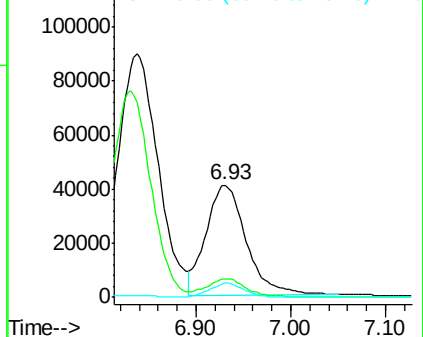
#37
Ethyl Acetate
Concen: 21.854 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBSD01

Tot Ion: 43 Resp: 121332
Ion Ratio Lower Upper
43 100
61 16.0 11.8 17.6
70 11.3 8.6 12.8

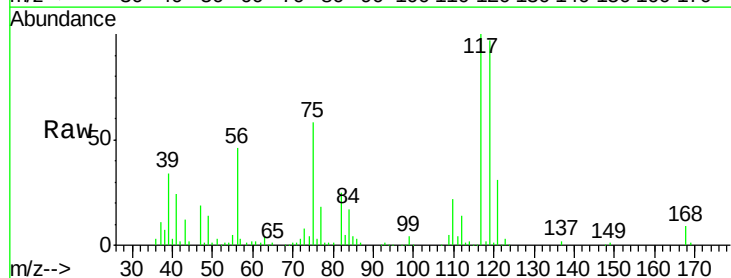


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

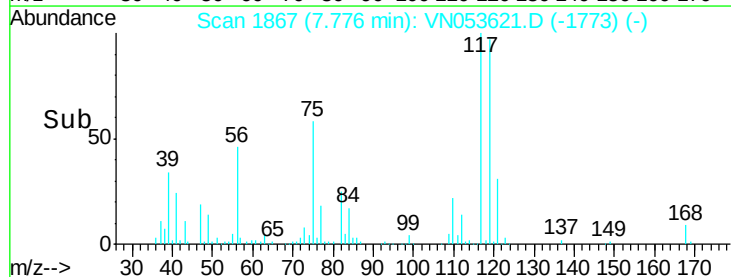
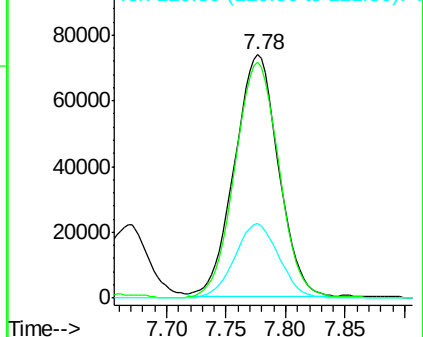


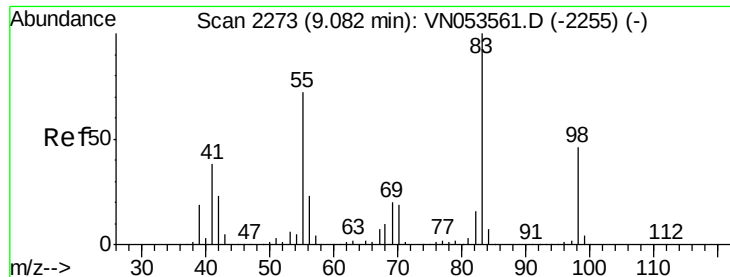
#38
Carbon Tetrachloride
Concen: 18.730 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion: 117 Resp: 187565
Ion Ratio Lower Upper
117 100
119 97.2 77.2 115.8
121 30.8 24.6 37.0



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

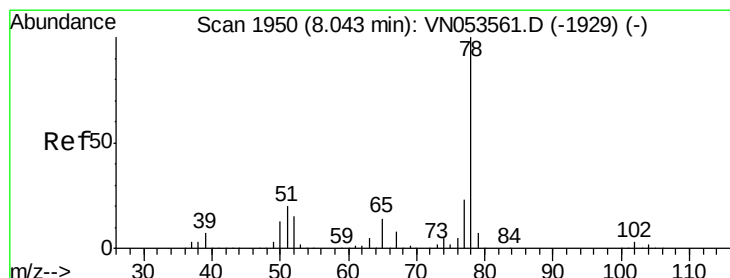
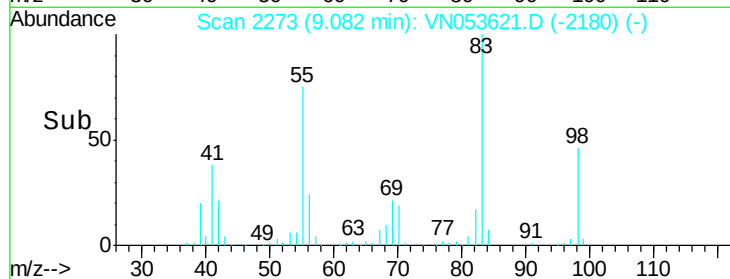
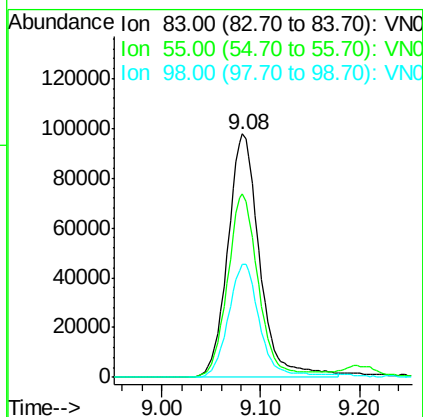
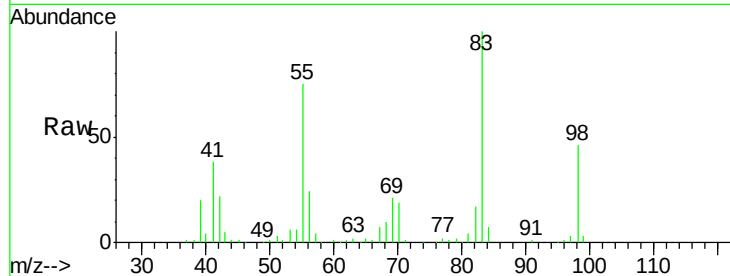




#39
Methylvlcyclohexane
Concen: 18.700 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

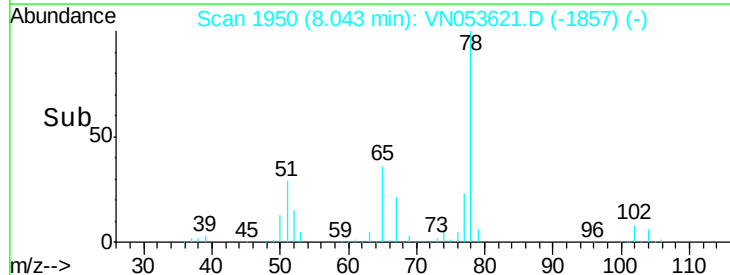
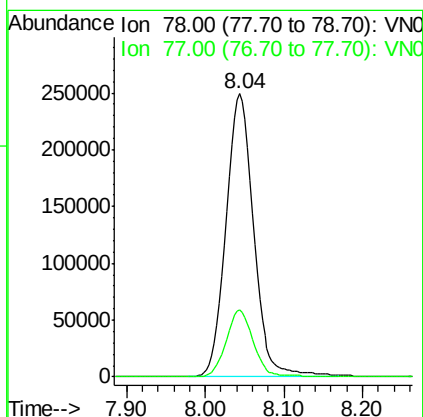
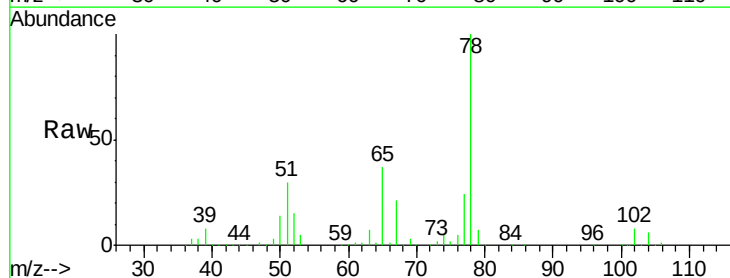
Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

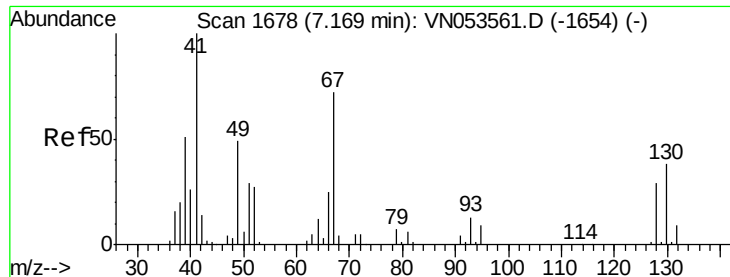
Tot Ion: 83 Resp: 220541
Ion Ratio Lower Upper
83 100
55 75.4 60.1 90.1
98 46.2 36.6 55.0



#40
Benzene
Concen: 19.878 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion: 78 Resp: 609356
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2





#41

Methacrylonitrile

Concen: 23.098 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

Tot Ion: 41 Resp: 71673

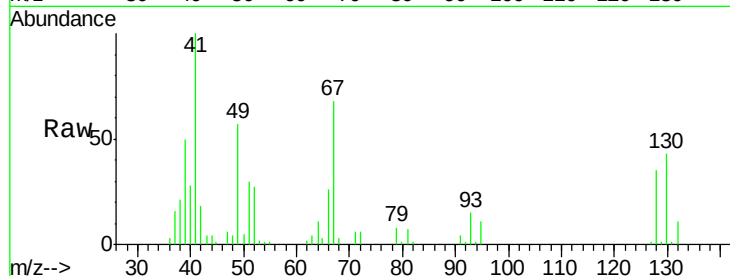
Ion Ratio Lower Upper

41 100

39 50.0 46.8 70.2

67 79.8 63.0 94.6

52 32.9 23.8 35.8

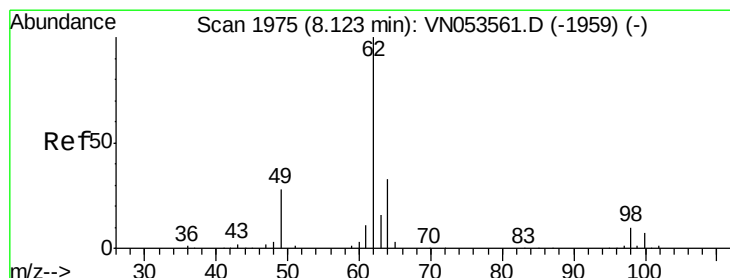
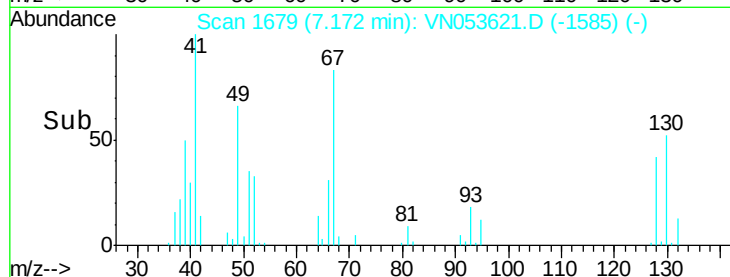
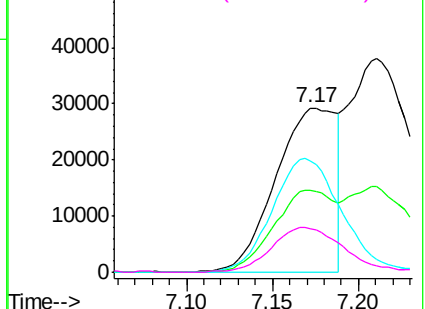


Abundance Ion 41.00 (40.70 to 41.70): VN053561.D (-1654) (-)

Ion 39.00 (38.70 to 39.70): VN053561.D (-1654) (-)

Ion 67.00 (66.70 to 67.70): VN053561.D (-1654) (-)

Ion 52.00 (51.70 to 52.70): VN053561.D (-1654) (-)



#42

1,2-Dichloroethane

Concen: 20.049 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN053621.D

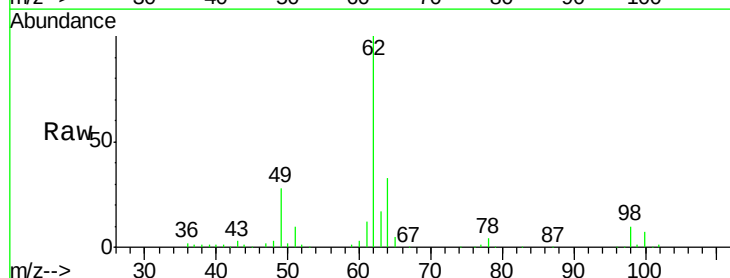
Acq: 5 Feb 2019 15:49

Tgt Ion: 62 Resp: 182491

Ion Ratio Lower Upper

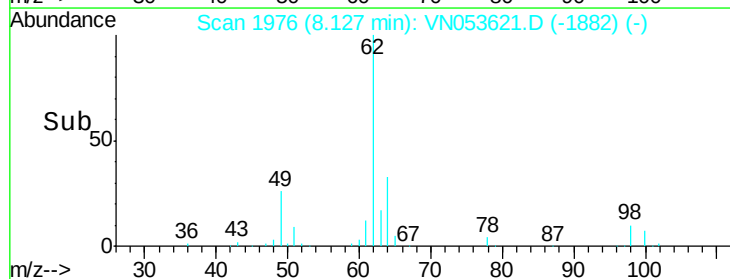
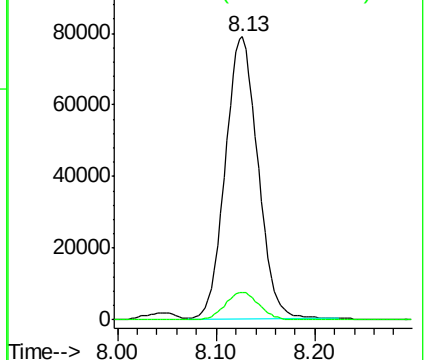
62 100

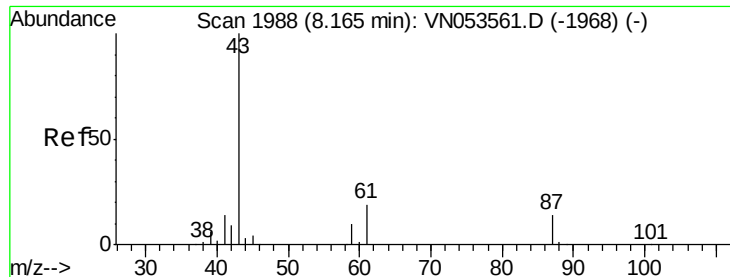
98 10.1 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VN053561.D (-1959) (-)

Ion 97.90 (97.60 to 98.60): VN053561.D (-1959) (-)





#43

Isopropyl Acetate

Concen: 21.408 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

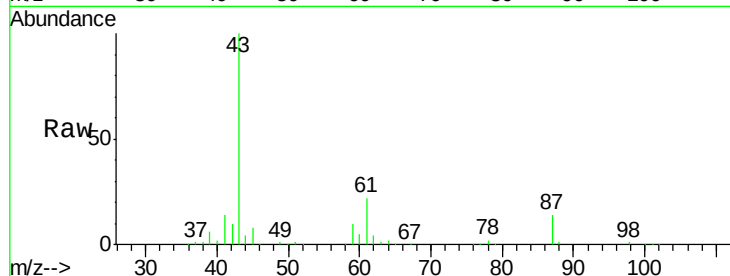
Tot Ion: 43 Resp: 229544

Ion Ratio Lower Upper

43 100

61 27.9 23.9 35.9

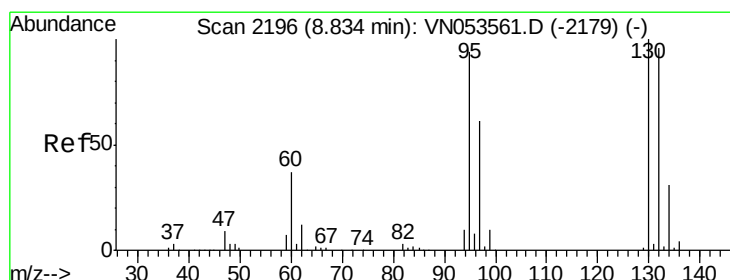
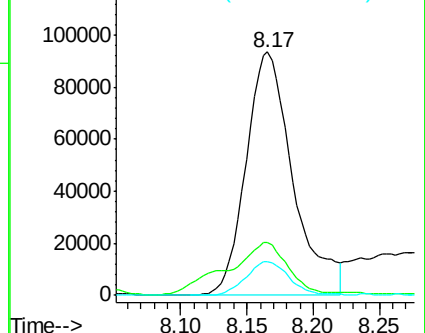
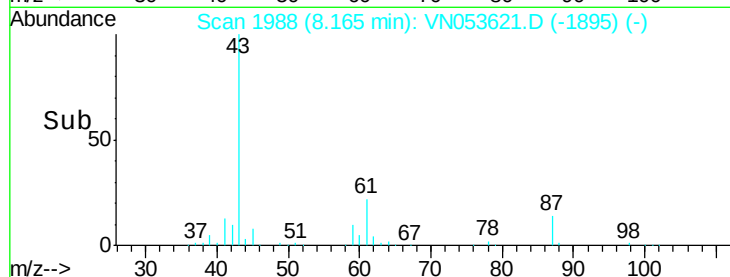
87 12.8 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053621.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN053621.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN053621.D (-1895) (-)



#44

Trichloroethene

Concen: 18.859 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053621.D

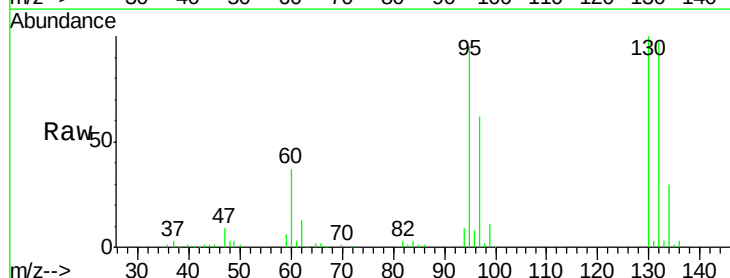
Acq: 5 Feb 2019 15:49

Tgt Ion: 130 Resp: 164594

Ion Ratio Lower Upper

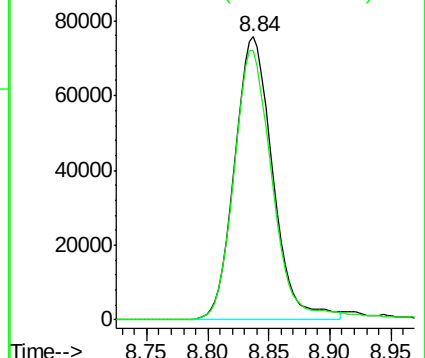
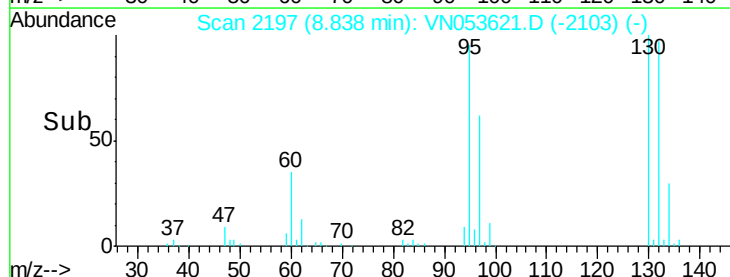
130 100

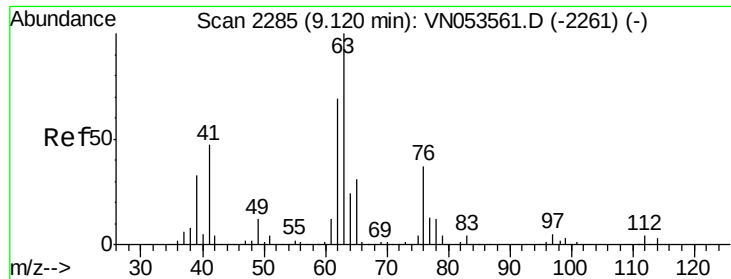
95 95.2 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053621.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN053621.D (-2103) (-)

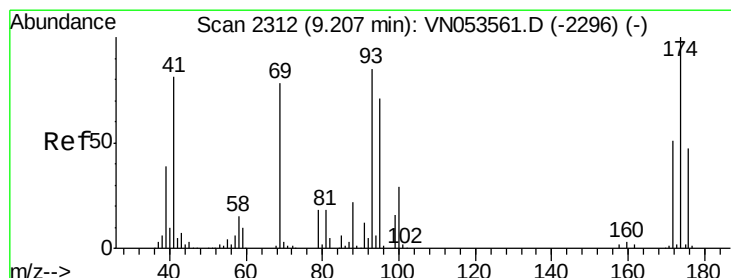
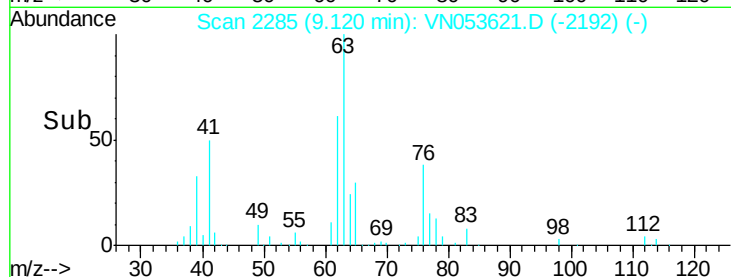
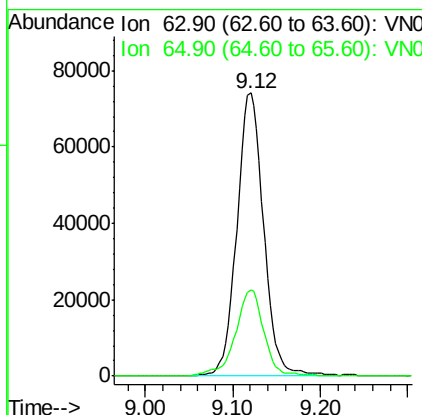
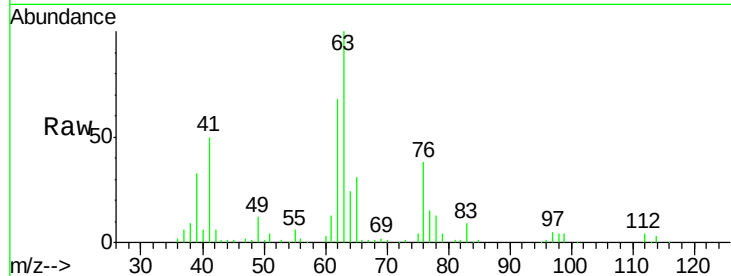




#45
 1,2-Dichloropropane
 Concen: 20.154 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

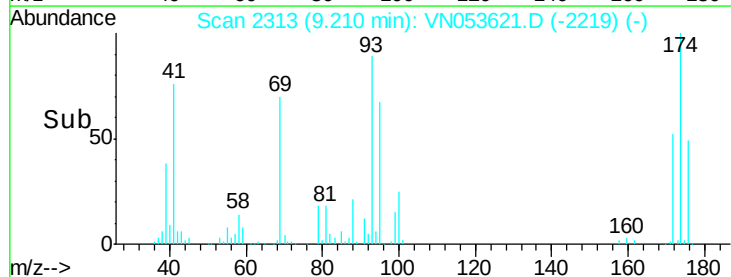
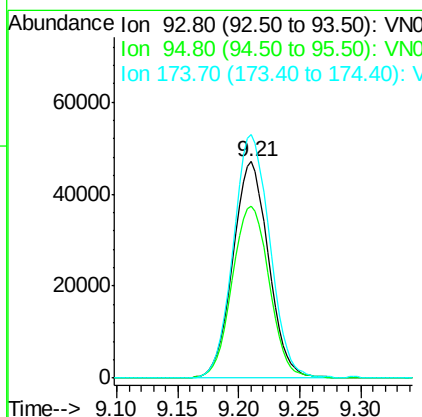
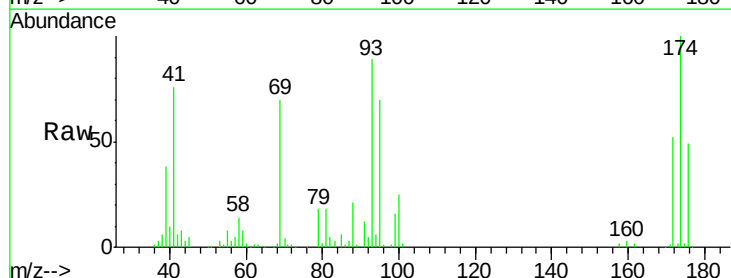
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

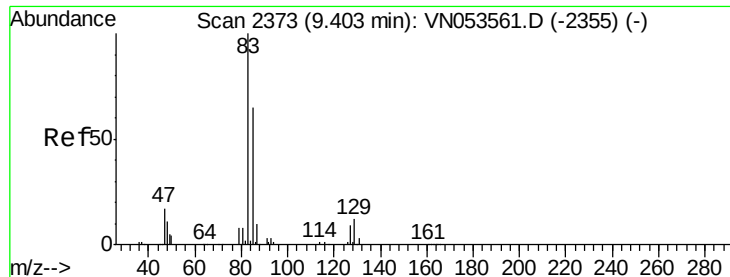
Tot Ion: 63 Resp: 158027
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4



#46
 Dibromomethane
 Concen: 20.209 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion: 93 Resp: 95519
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.3 100.9
 174 115.3 91.0 136.4





#47

Bromodichloromethane

Concen: 20.084 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

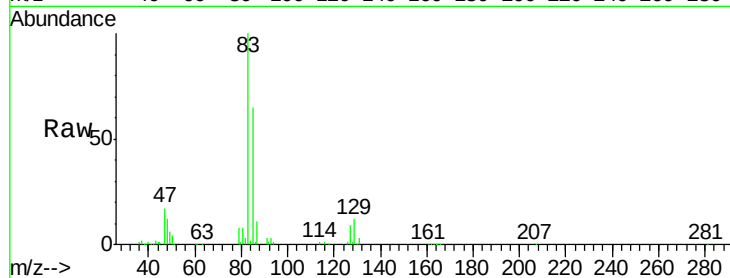
Tot Ion: 83 Resp: 197375

Ion Ratio Lower Upper

83 100

85 64.8 51.0 76.6

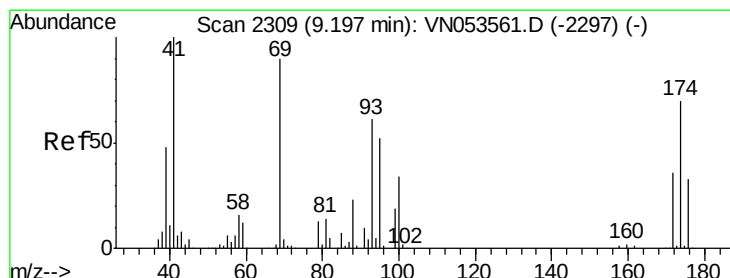
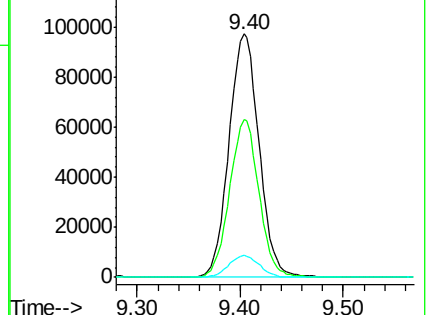
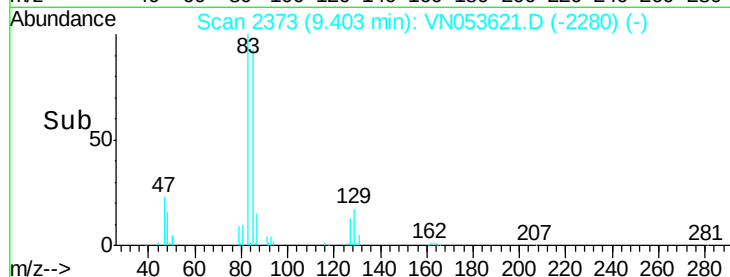
127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.866 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

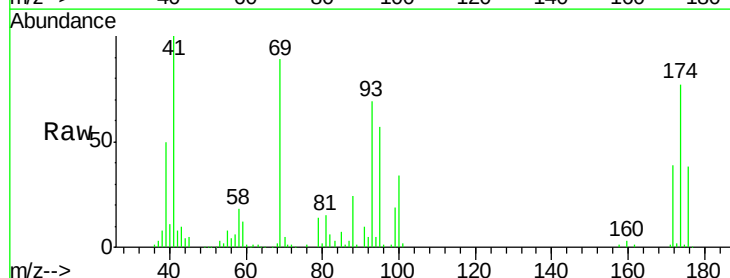
Tgt Ion: 41 Resp: 101679

Ion Ratio Lower Upper

41 100

69 99.0 73.8 110.6

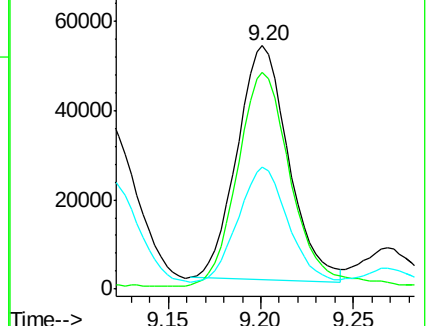
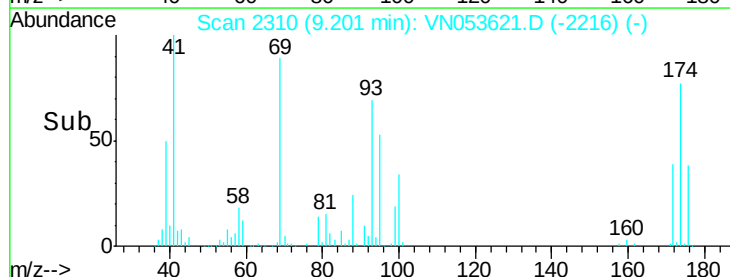
39 53.9 40.0 60.0

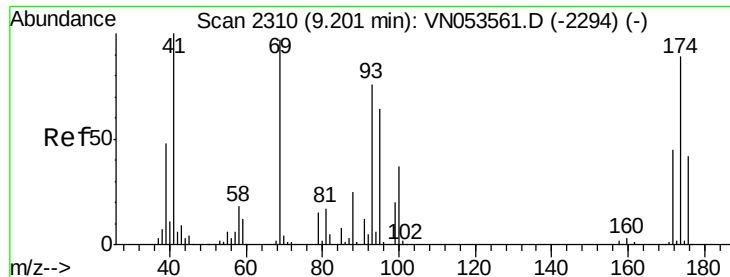


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 423.345 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

VN0205WBSD01

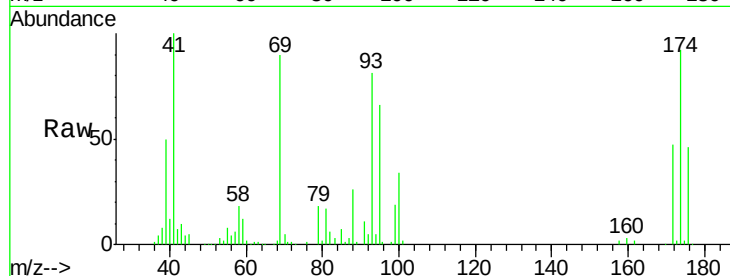
Tot Ion: 88 Resp: 29656

Ion Ratio Lower Upper

88 100

43 30.4 27.8 41.6

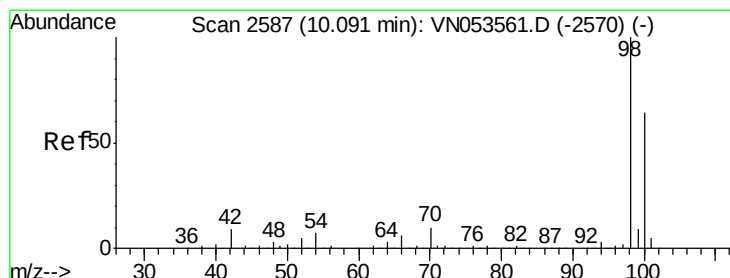
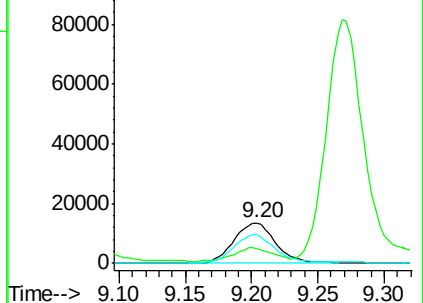
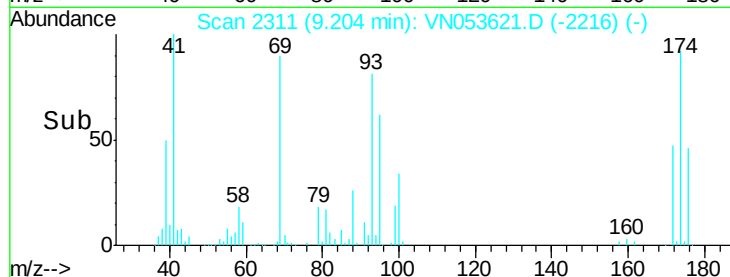
58 71.9 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 423.345 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053621.D

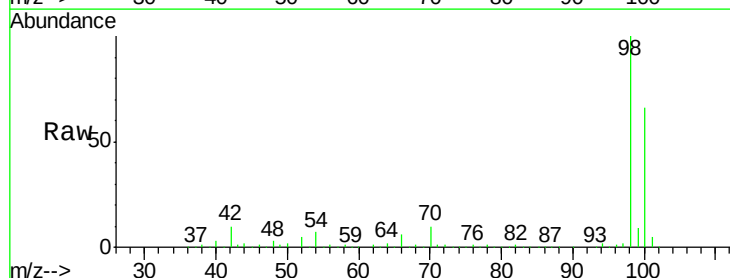
Acq: 5 Feb 2019 15:49

Tgt Ion: 98 Resp: 1271653

Ion Ratio Lower Upper

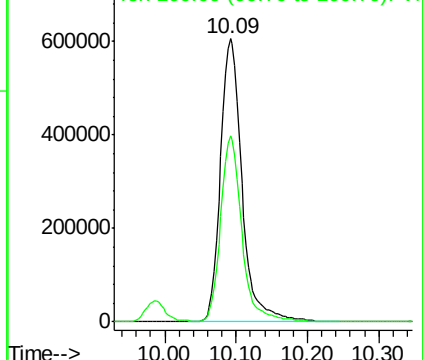
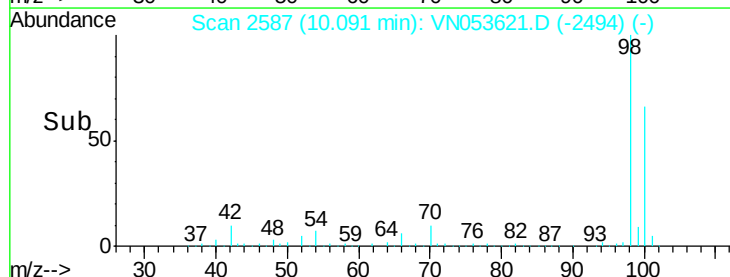
98 100

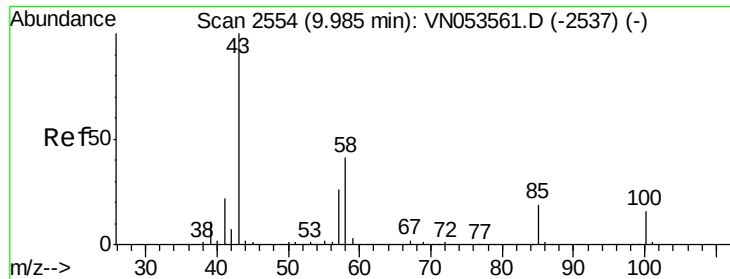
100 64.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 108.690 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

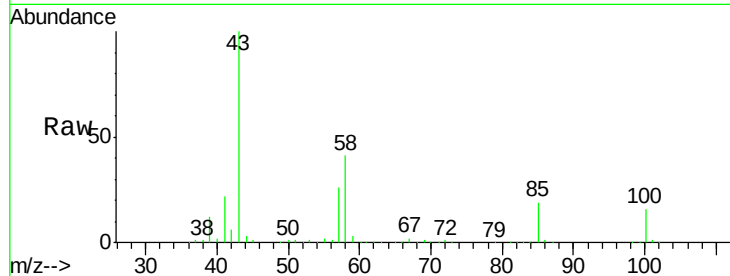
VN0205WBSD01

Tot Ion: 43 Resp: 572678

Ion Ratio Lower Upper

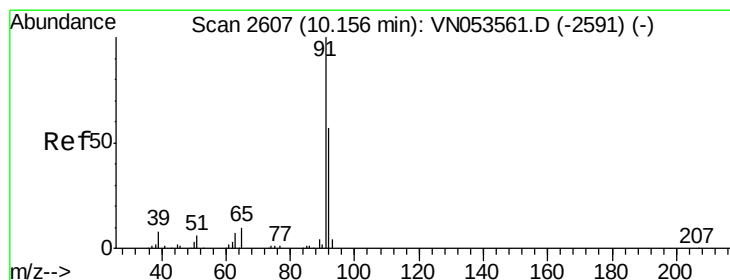
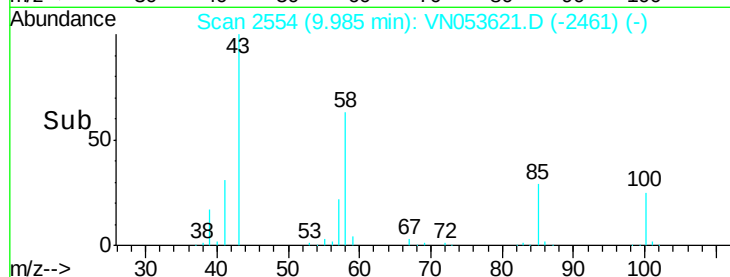
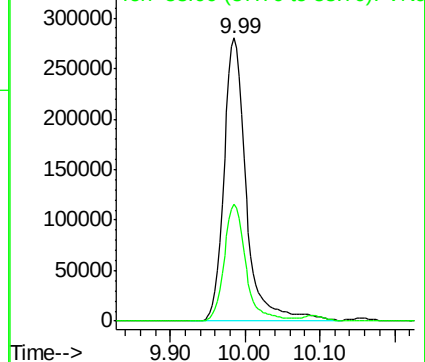
43 100

58 40.3 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.960 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053621.D

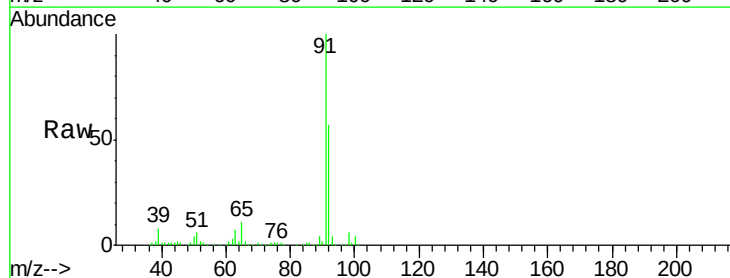
Acq: 5 Feb 2019 15:49

Tgt Ion: 92 Resp: 363139

Ion Ratio Lower Upper

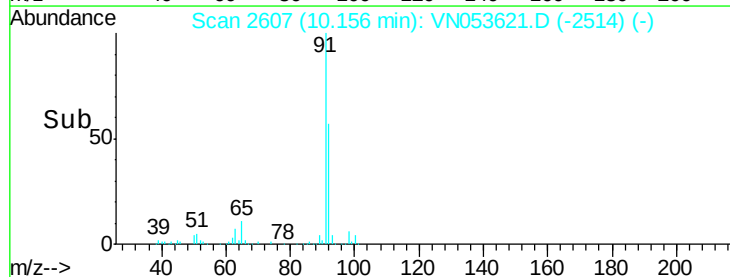
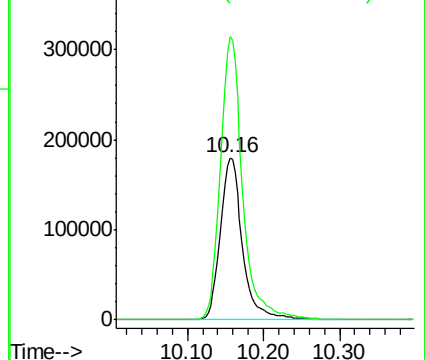
92 100

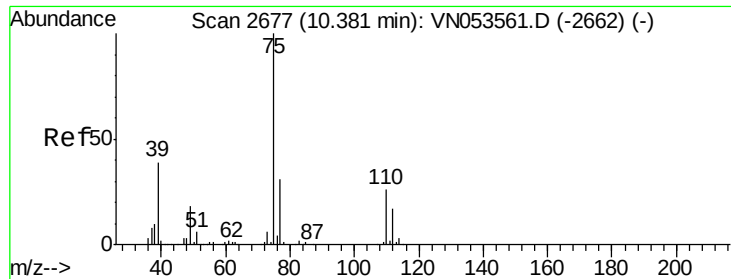
91 175.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.660 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

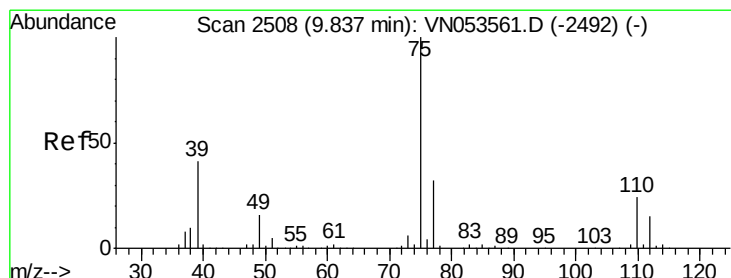
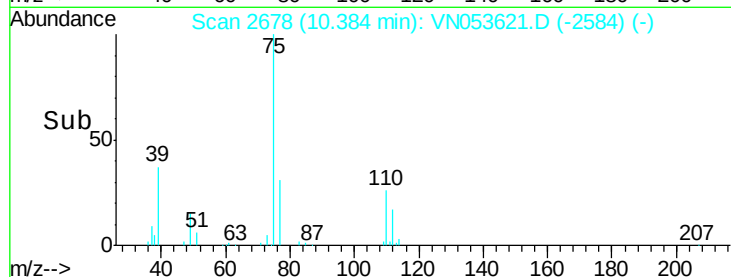
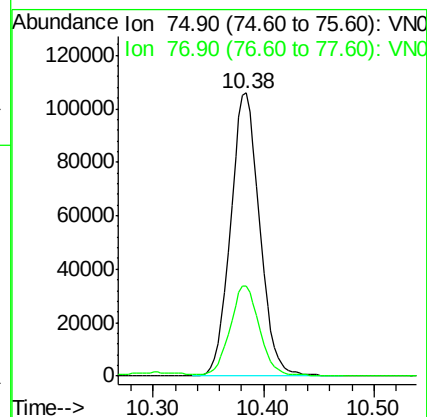
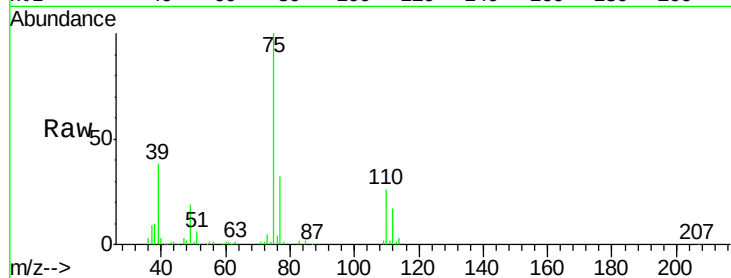
VN0205WBSD01

Tot Ion: 75 Resp: 193469

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.699 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

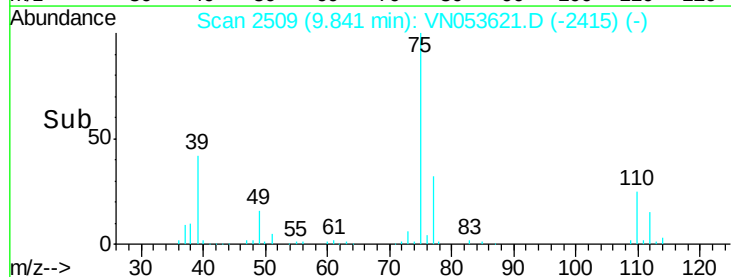
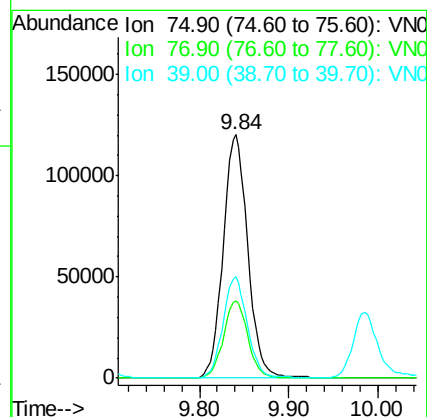
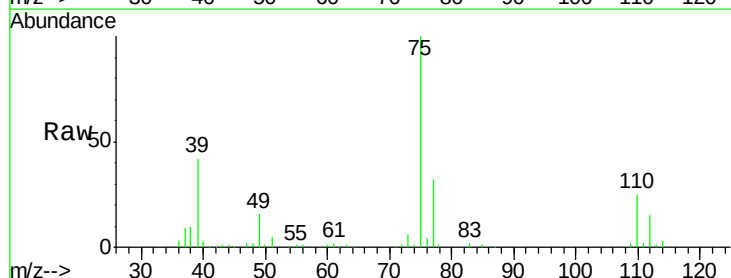
Tgt Ion: 75 Resp: 229715

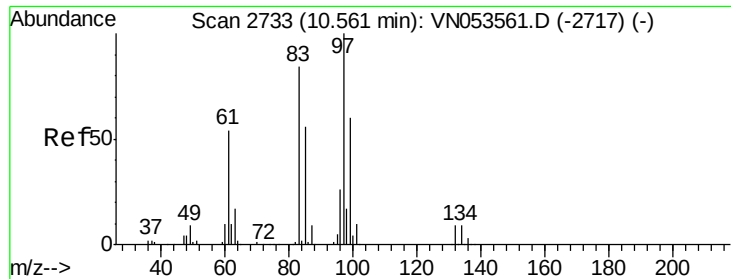
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6

39 41.6 33.4 50.0

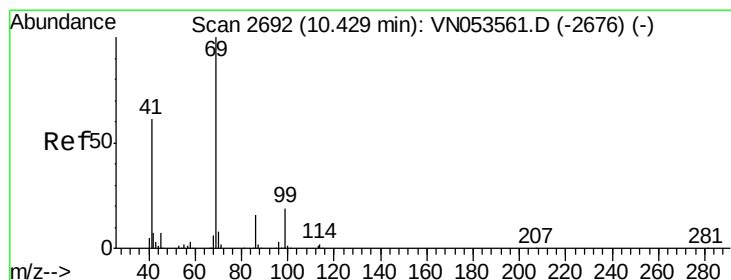
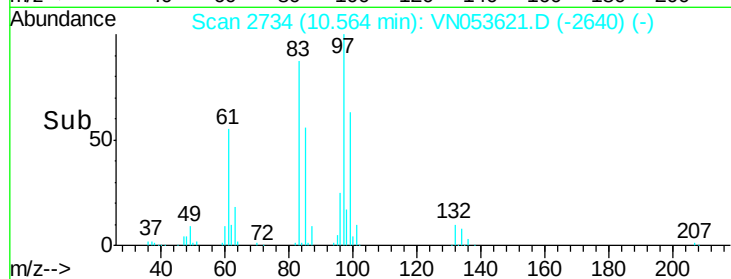
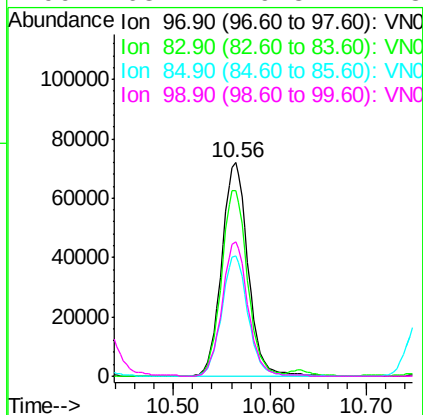
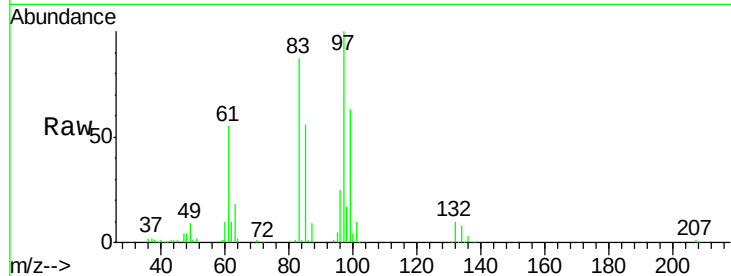




#55
 1,1,2-Trichloroethane
 Concen: 20.795 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

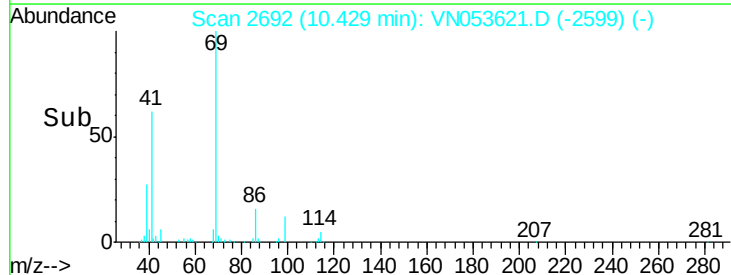
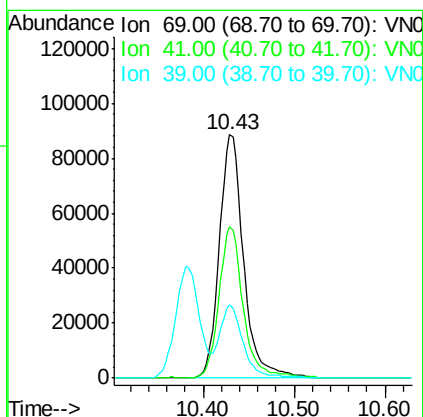
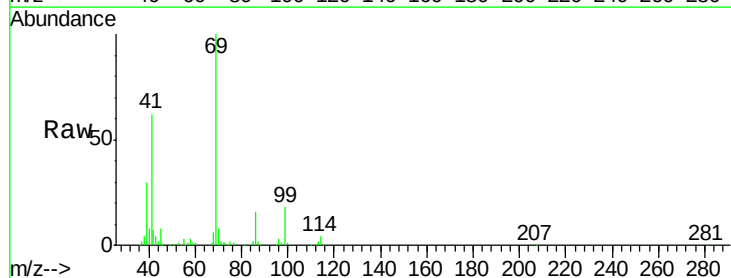
Instrument :
 MSVOA_N
 ClientSampled :
 VN0205WBSD01

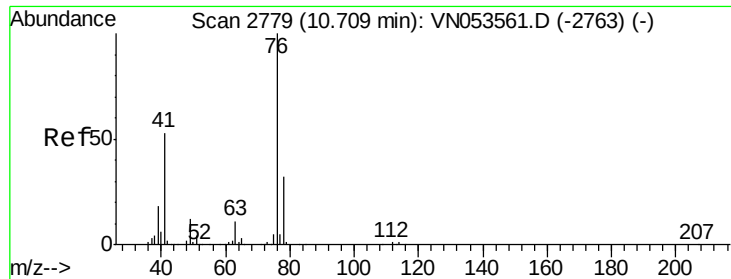
Tot Ion: 97 Resp: 136334
 Ion Ratio Lower Upper
 97 100
 83 86.8 70.1 105.1
 85 56.1 45.4 68.0
 99 63.2 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 21.232 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion: 69 Resp: 164668
 Ion Ratio Lower Upper
 69 100
 41 62.4 49.4 74.0
 39 28.4 23.3 34.9

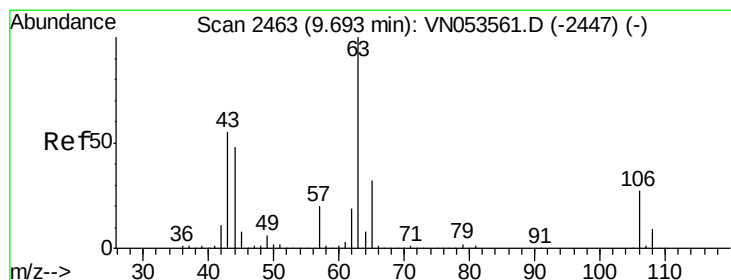
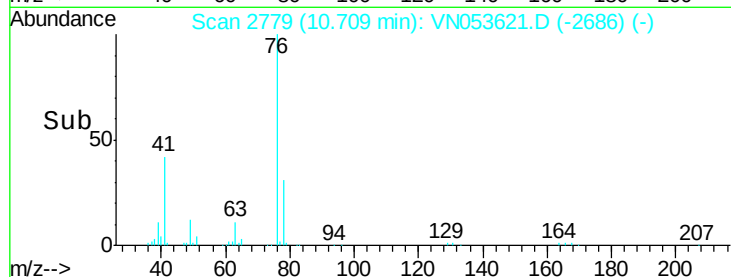
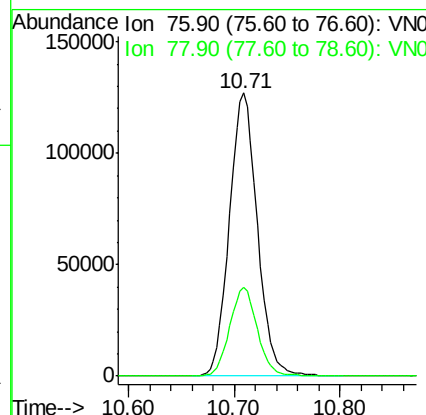
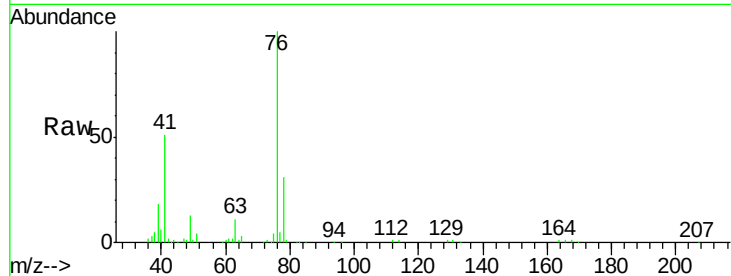




#57
 1,3-Dichloropropane
 Concen: 20.809 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

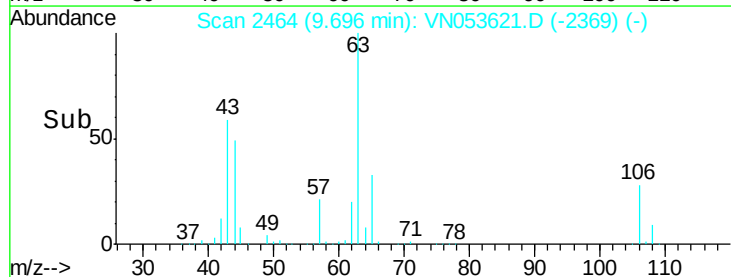
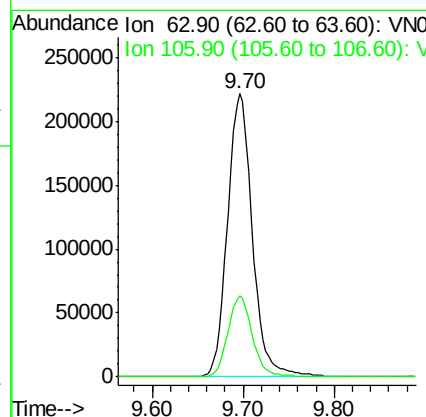
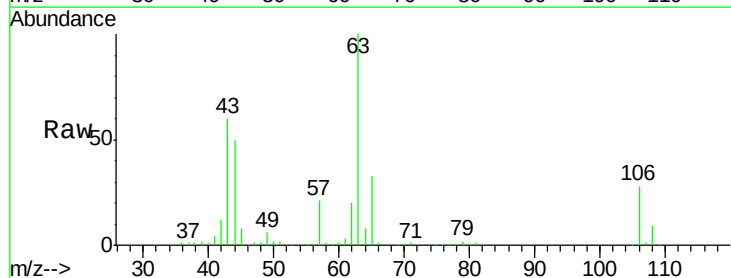
Instrument :
 MSVOA_N
 ClientSampled :
 VN0205WBSD01

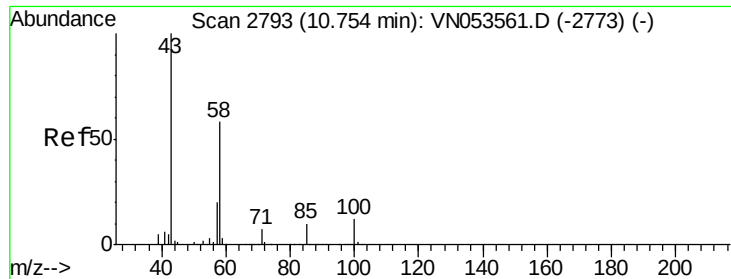
Tot Ion: 76 Resp: 233157
 Ion Ratio Lower Upper
 76 100
 78 30.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.031 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion: 63 Resp: 422479
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.5 32.3

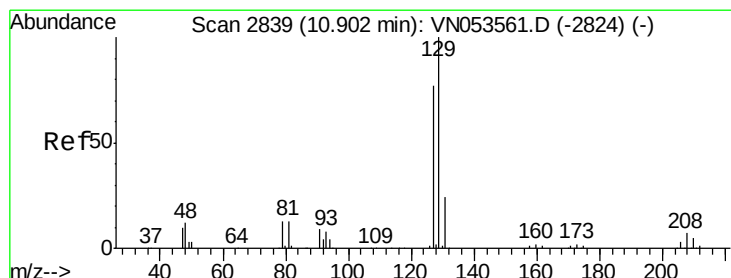
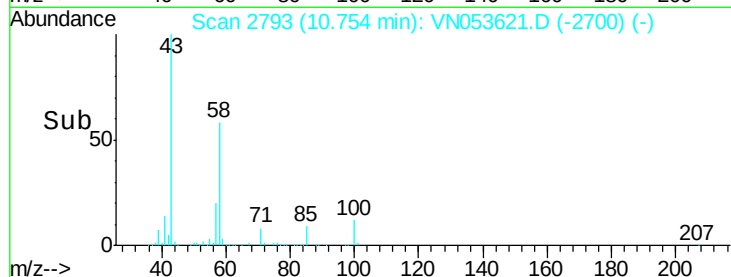
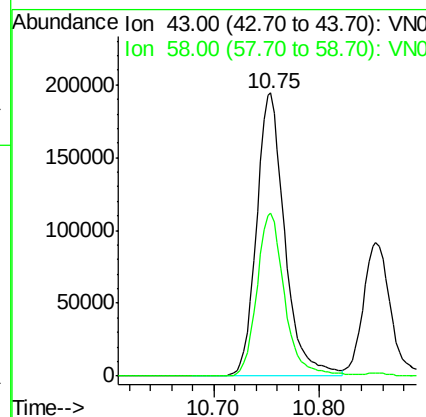
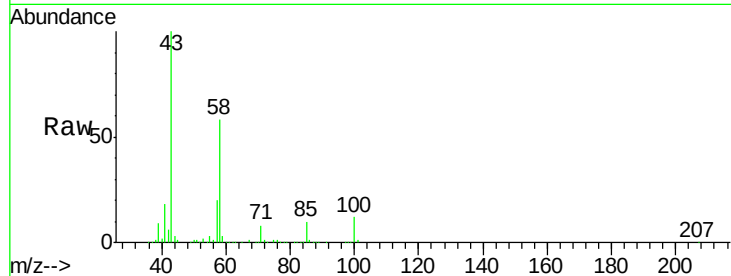




#59
2-Hexanone
Concen: 100.826 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

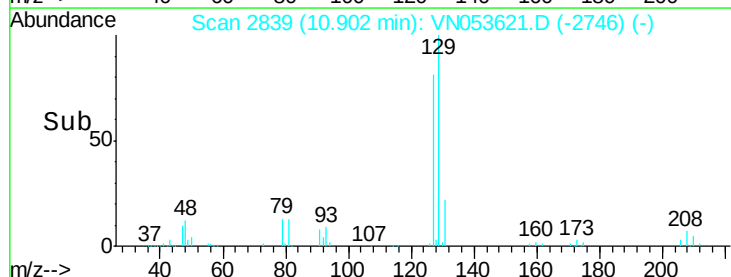
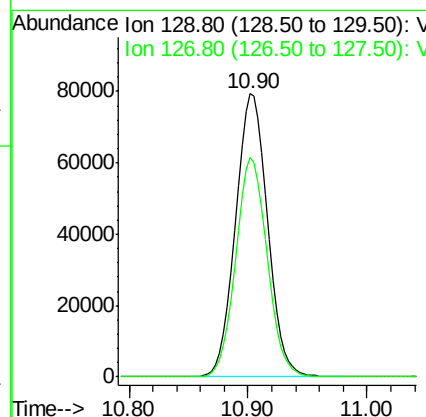
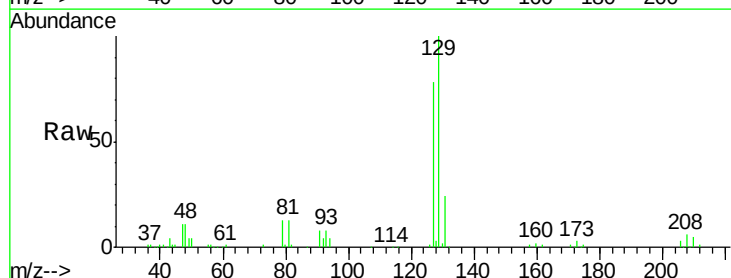
Instrument :
MSVOA_N
ClientSampled :
VN0205WBSD01

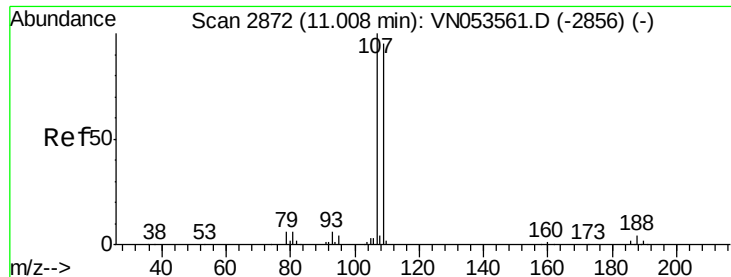
Tot Ion: 43 Resp: 360645
Ion Ratio Lower Upper
43 100
58 56.9 28.6 85.8



#60
Dibromochloromethane
Concen: 20.067 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion: 129 Resp: 148352
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.8

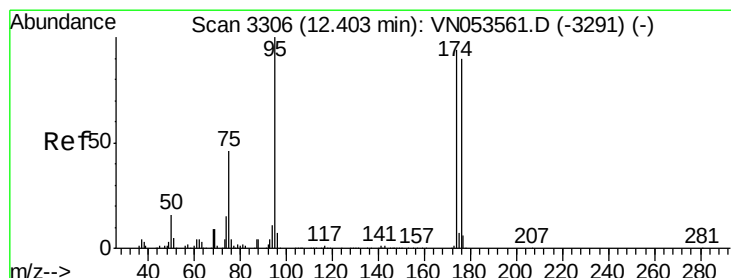
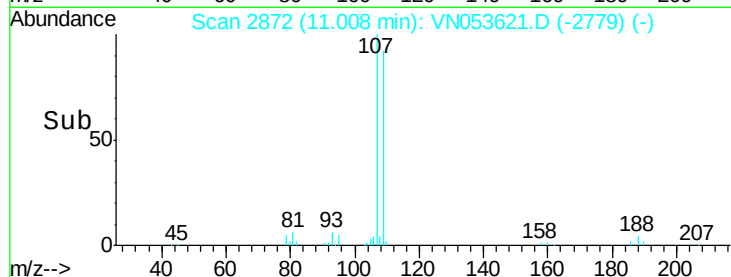
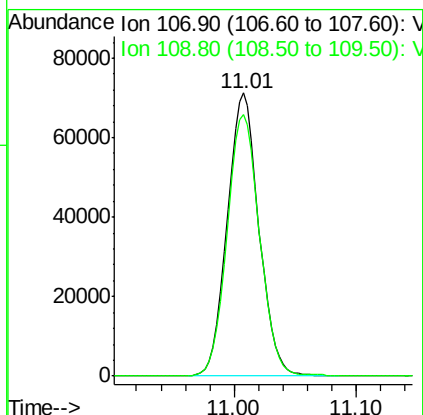
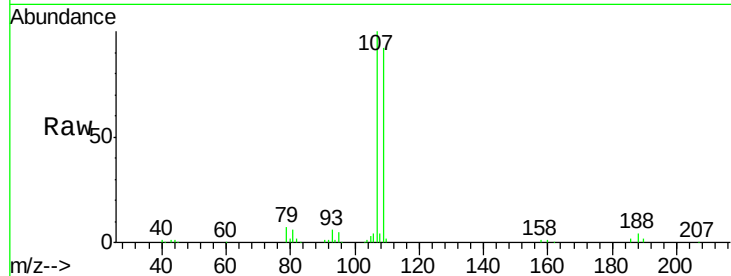




#61
 1,2-Dibromoethane
 Concen: 19.828 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

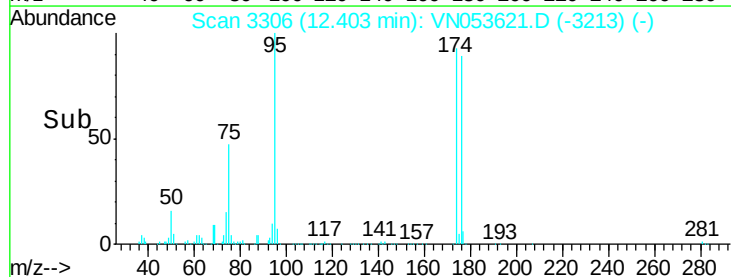
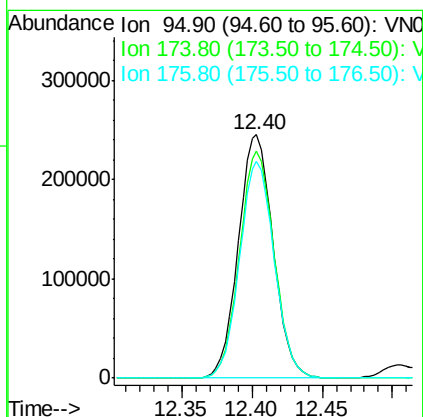
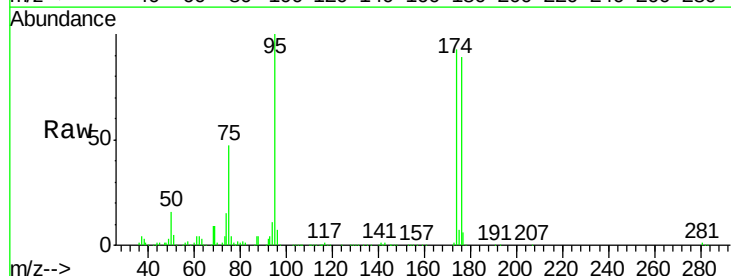
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

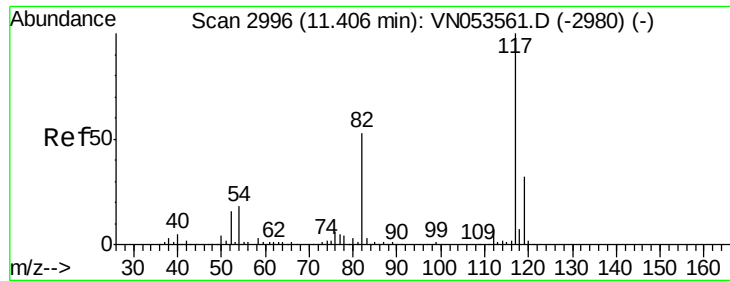
Tot Ion: 107 Resp: 128660
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 19.828 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion: 95 Resp: 423636
 Ion Ratio Lower Upper
 95 100
 174 93.1 0.0 183.2
 176 88.9 0.0 177.4

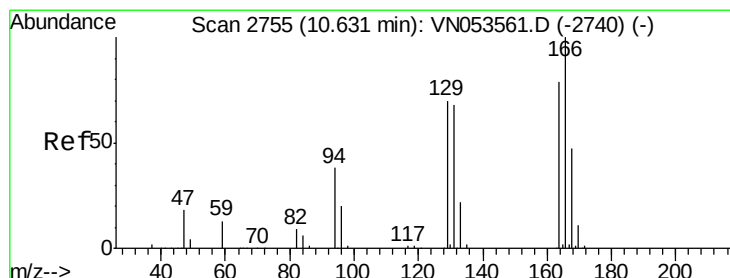
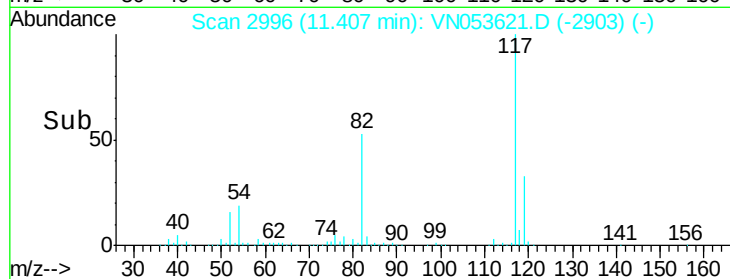
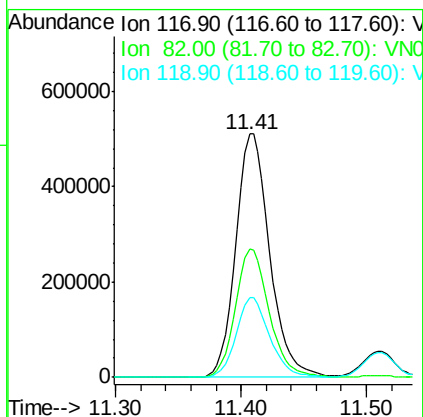
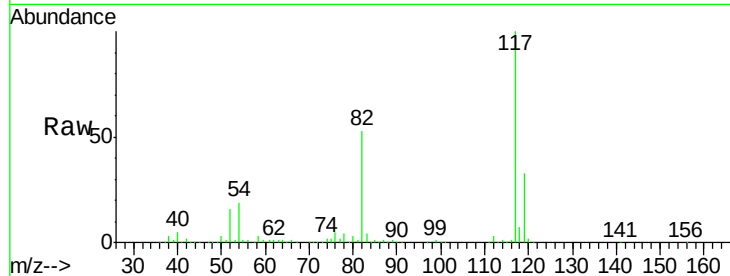




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

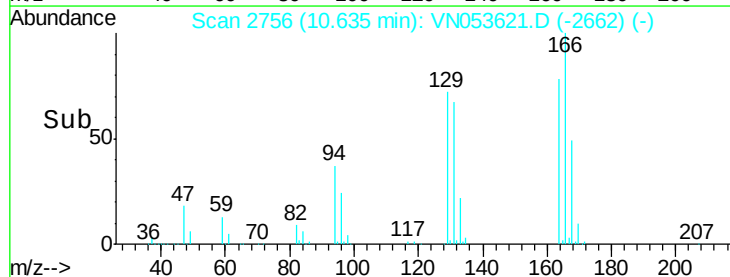
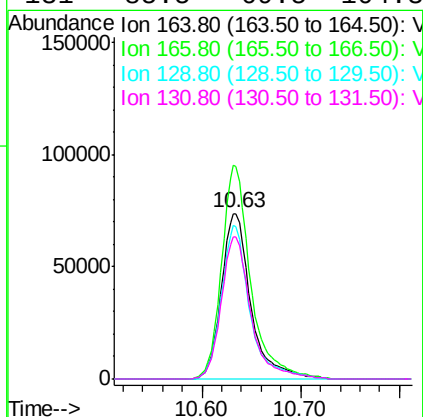
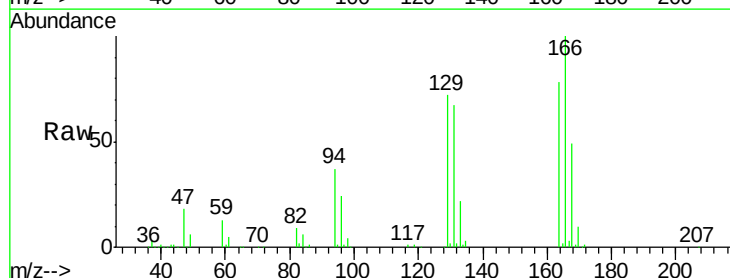
Instrument :
MSVOA_N
ClientSampled :
VN0205WBSD01

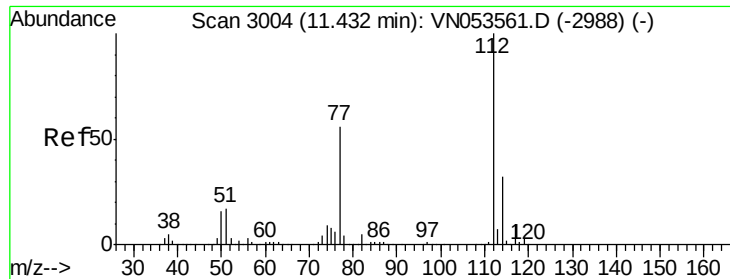
Tot Ion:117 Resp: 962020
Ion Ratio Lower Upper
117 100
82 52.9 42.9 64.3
119 32.7 26.0 39.0



#64
Tetrachloroethene
Concen: 18.752 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion:164 Resp: 154637
Ion Ratio Lower Upper
164 100
166 128.1 102.2 153.4
129 92.0 72.6 109.0
131 85.5 69.5 104.3





#65

Chlorobenzene

Concen: 19.381 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

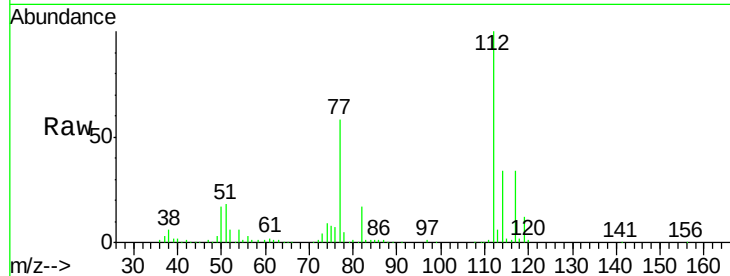
VN0205WBSD01

Tot Ion:112 Resp: 396034

Ion Ratio Lower Upper

112 100

114 33.5 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

200000

150000

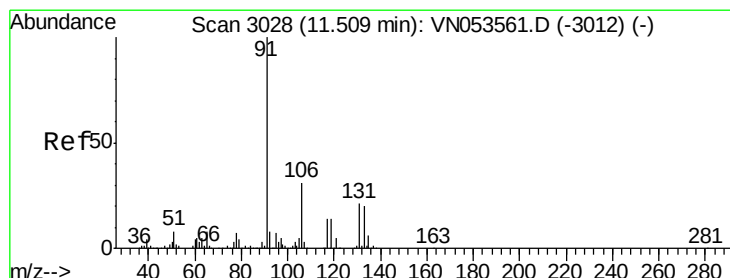
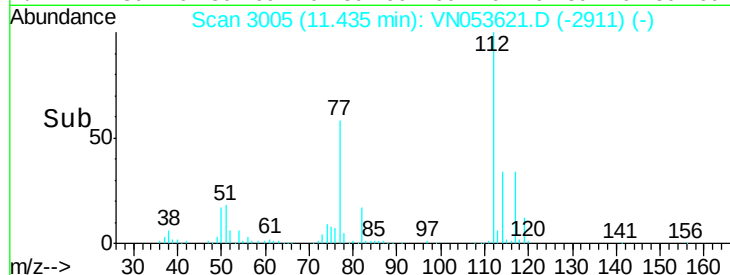
100000

50000

0

Time-->

11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 19.875 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

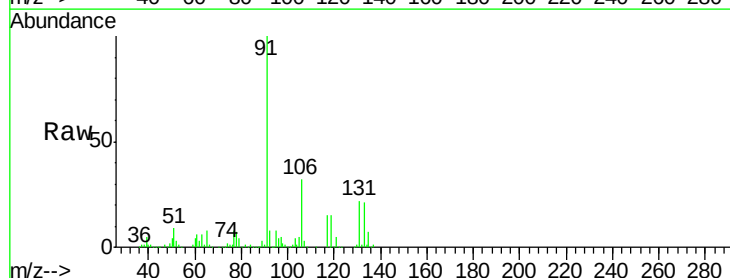
Tgt Ion:131 Resp: 141836

Ion Ratio Lower Upper

131 100

133 97.2 48.0 144.0

119 66.5 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

150000

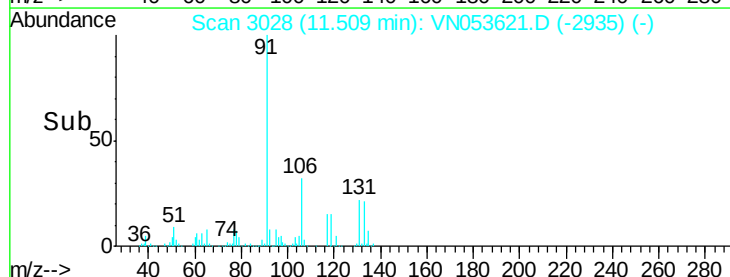
100000

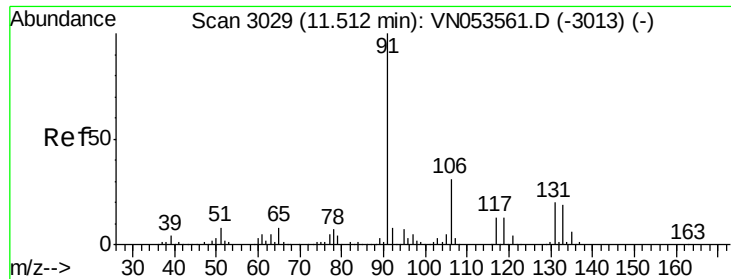
50000

0

Time-->

11.50 11.60

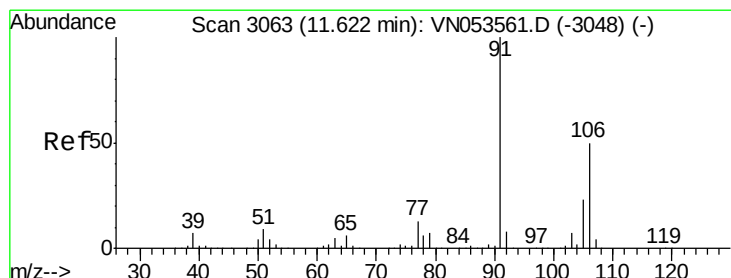
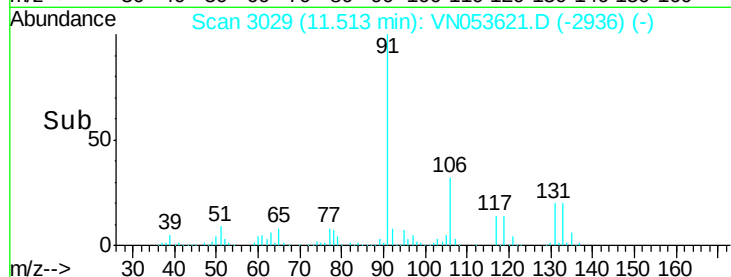
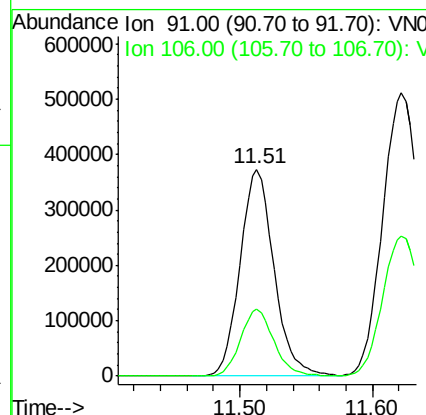
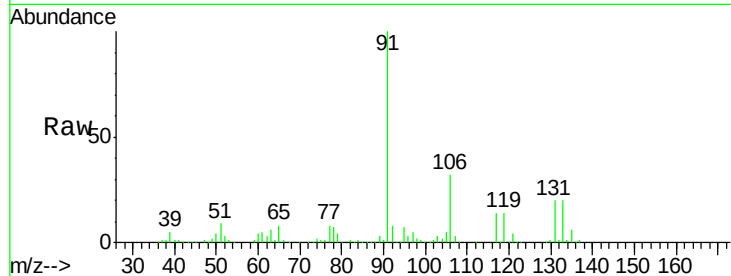




#67
Ethyl Benzene
Concen: 19.780 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

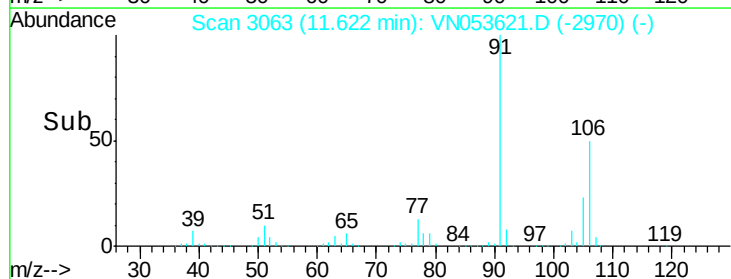
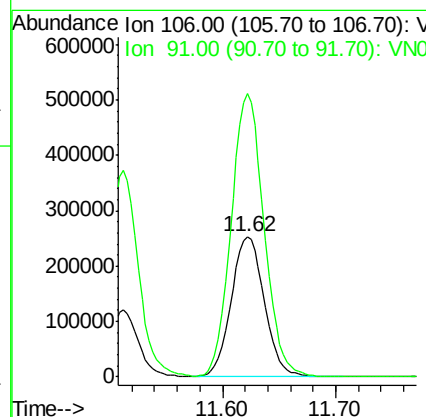
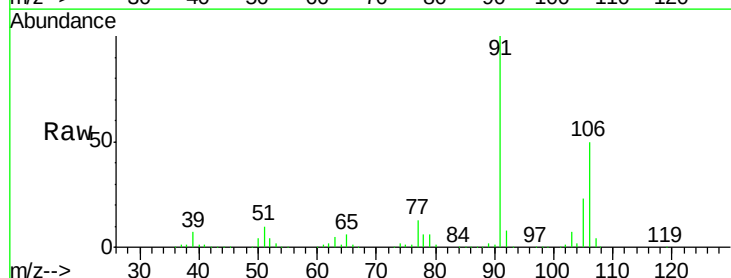
Instrument :
MSVOA_N
ClientSampled :
VN0205WBSD01

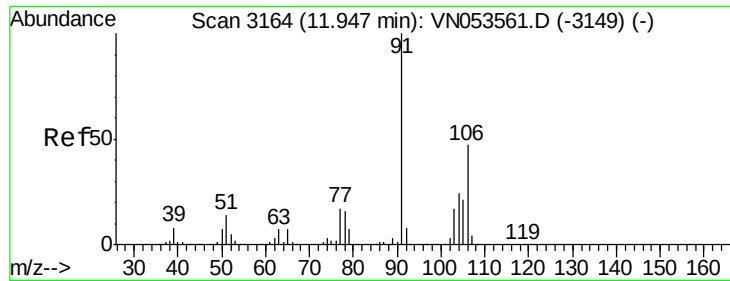
Tot Ion: 91 Resp: 663957
Ion Ratio Lower Upper
91 100
106 32.1 25.0 37.6



#68
m/p-Xylenes
Concen: 40.173 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion: 106 Resp: 514679
Ion Ratio Lower Upper
106 100
91 200.3 161.4 242.2

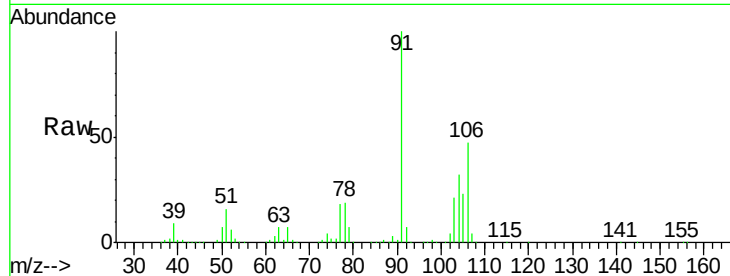




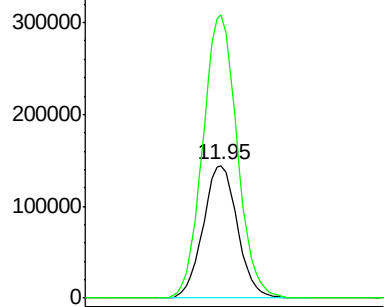
#69
o-Xylene
Concen: 20.381 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Instrument :
MSVOA_N
ClientSampled :
VN0205WBSD01

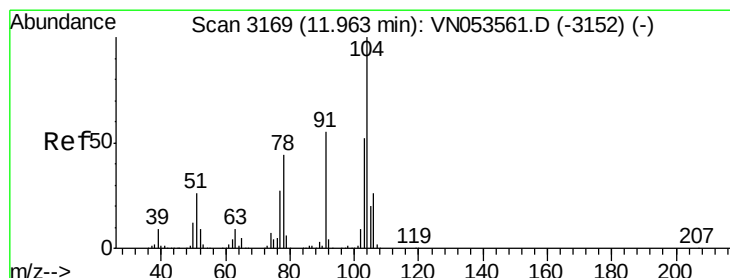
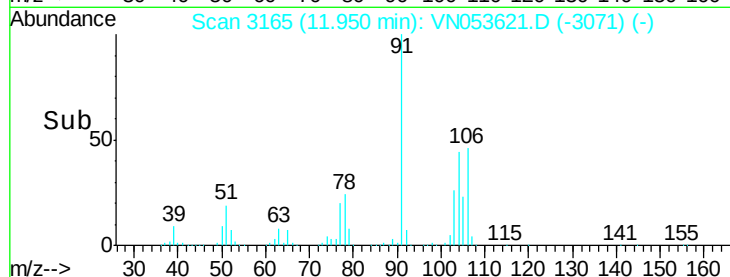
Tot Ion:106 Resp: 252254
Ion Ratio Lower Upper
106 100
91 213.6 106.9 320.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

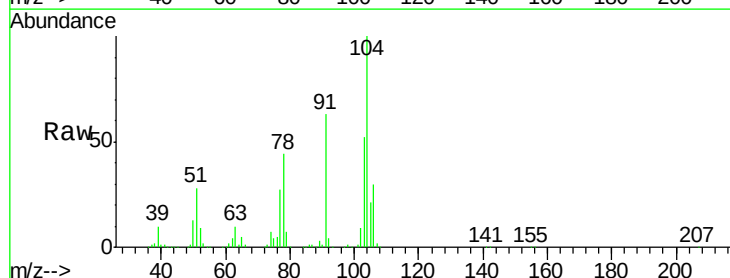


Time-->

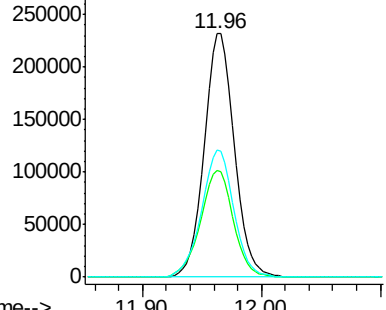


#70
Styrene
Concen: 20.208 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

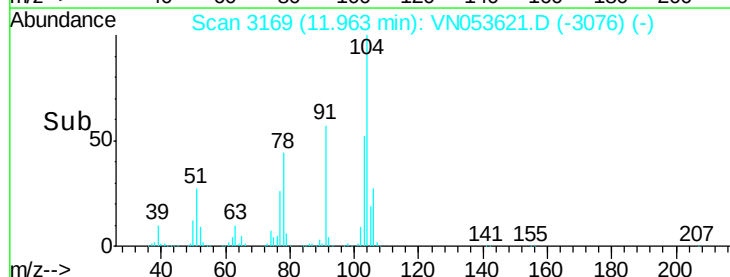
Tgt Ion:104 Resp: 405385
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 56.0 44.4 66.6

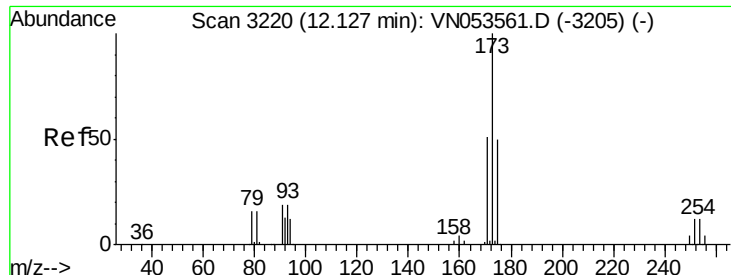


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V



Time-->

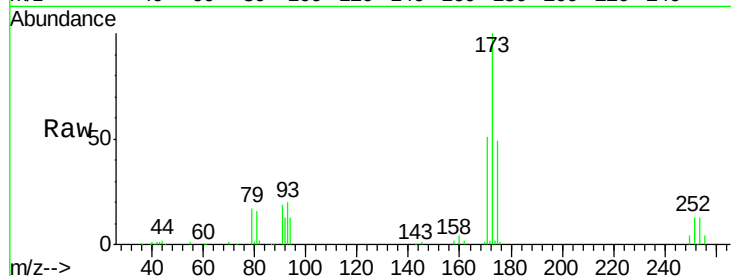




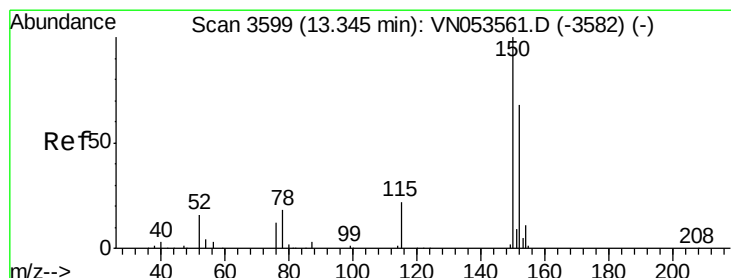
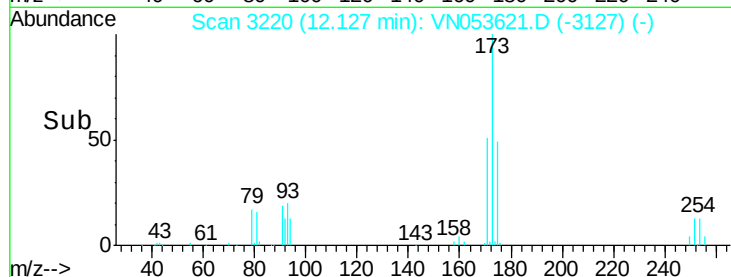
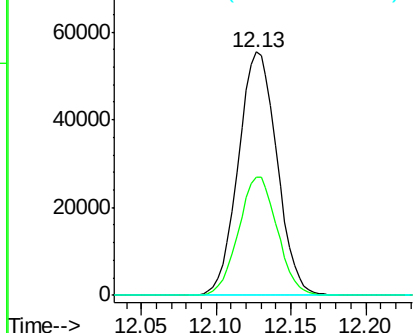
#71
 Bromoform
 Concen: 20.419 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0205WBSD01

Tot Ion:173 Resp: 99900
 Ion Ratio Lower Upper
 173 100
 175 48.6 24.6 74.0
 254 0.0 0.2 0.2#

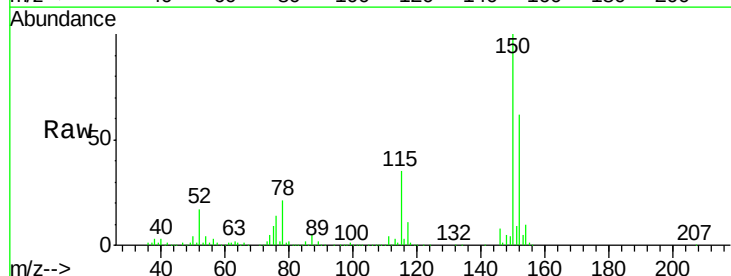


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

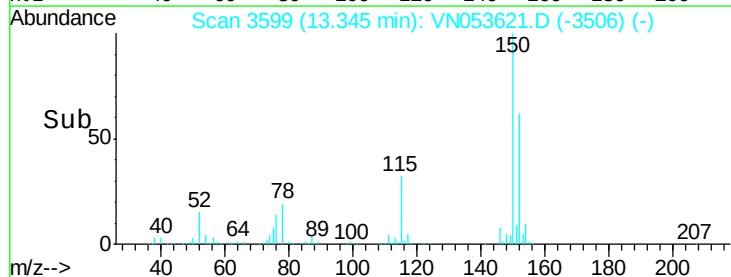
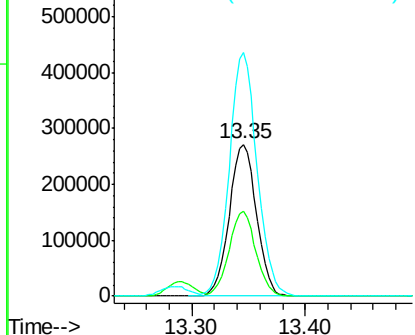


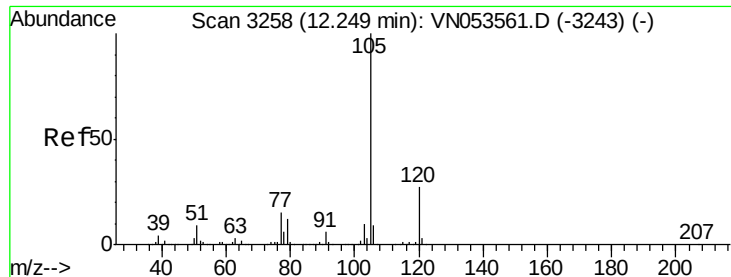
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion:152 Resp: 452937
 Ion Ratio Lower Upper
 152 100
 115 54.8 27.8 83.4
 150 163.7 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.700 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

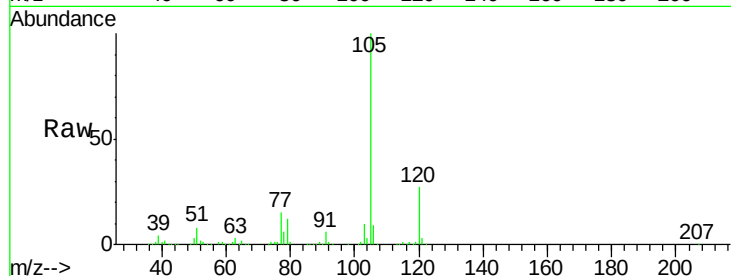
VN0205WBSD01

Tot Ion:105 Resp: 659105

Ion Ratio Lower Upper

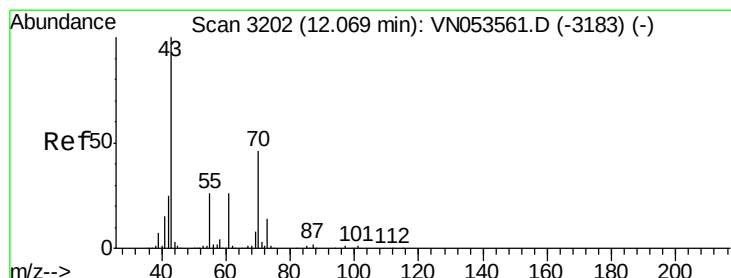
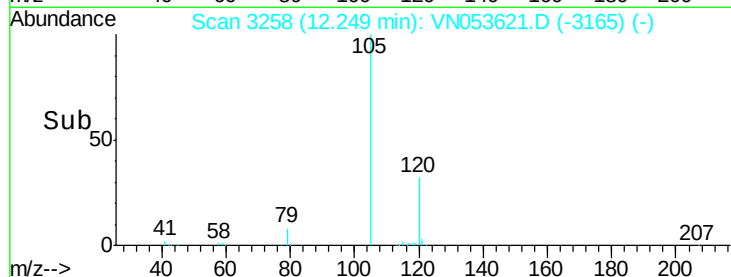
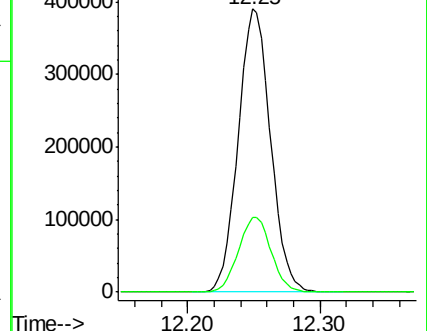
105 100

120 26.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.439 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Tgt Ion: 43 Resp: 164151

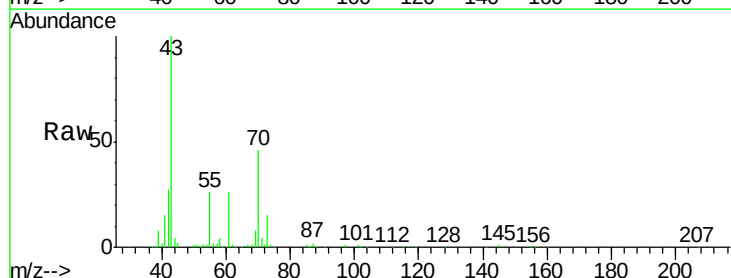
Ion Ratio Lower Upper

43 100

70 45.4 35.4 53.2

55 26.1 20.9 31.3

61 25.8 20.5 30.7

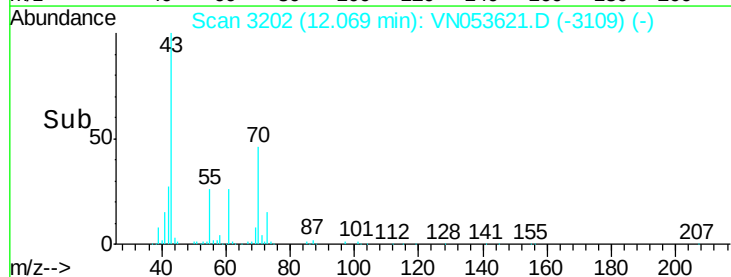
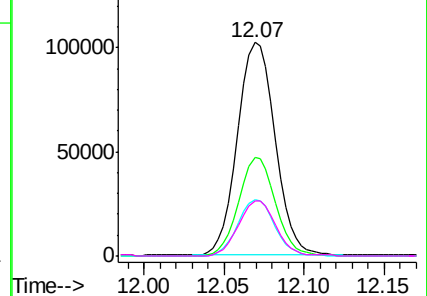


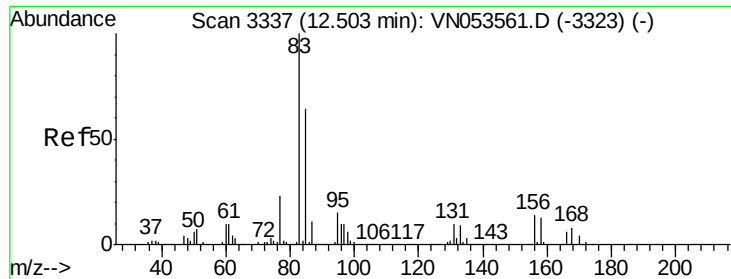
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.539 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

VN0205WBSD01

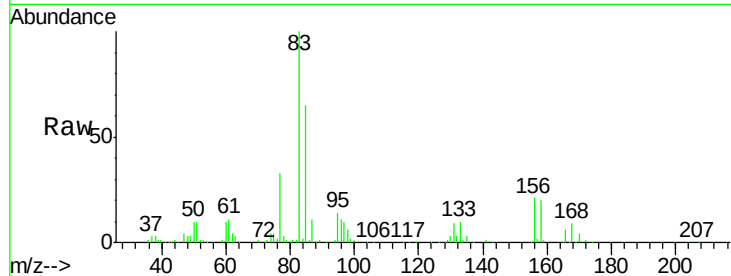
Tot Ion: 83 Resp: 156512

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.8

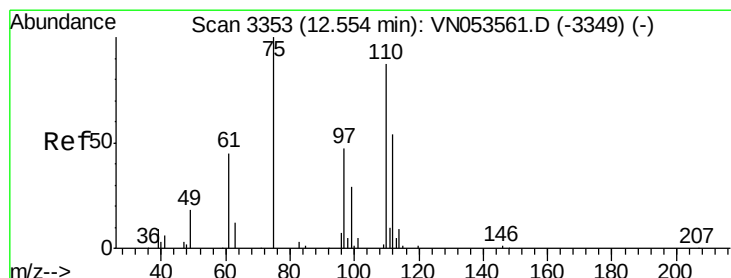
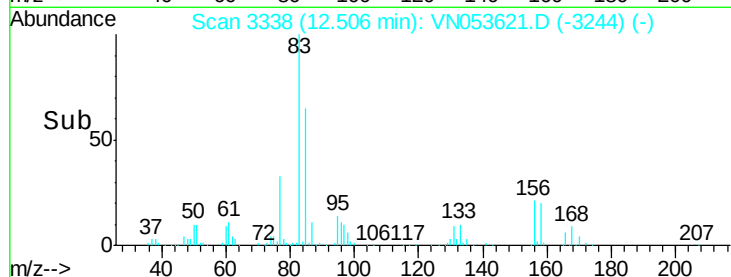
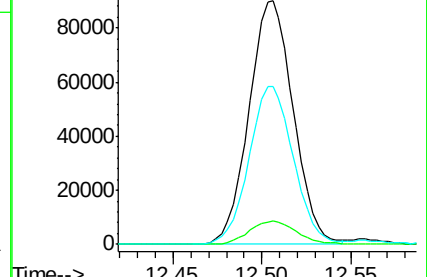
85 64.8 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.488 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053621.D

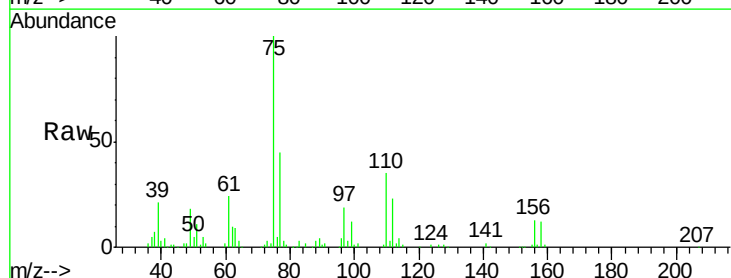
Acq: 5 Feb 2019 15:49

Tgt Ion: 75 Resp: 189008

Ion Ratio Lower Upper

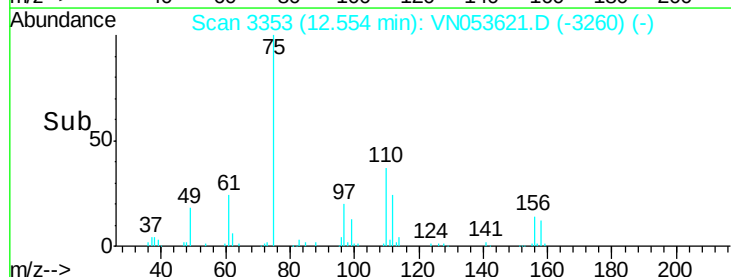
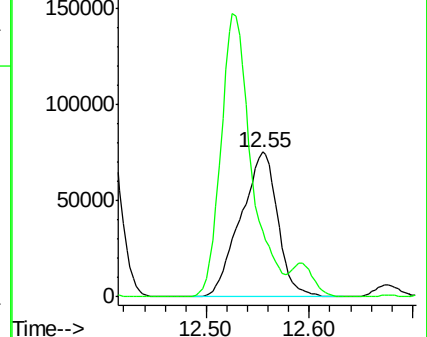
75 100

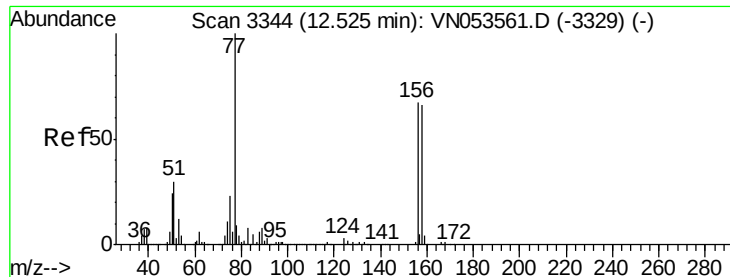
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.547 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

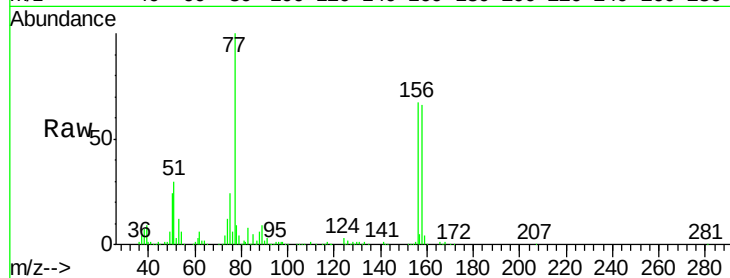
Tot Ion:156 Resp: 184901

Ion Ratio Lower Upper

156 100

77 164.3 87.9 263.8

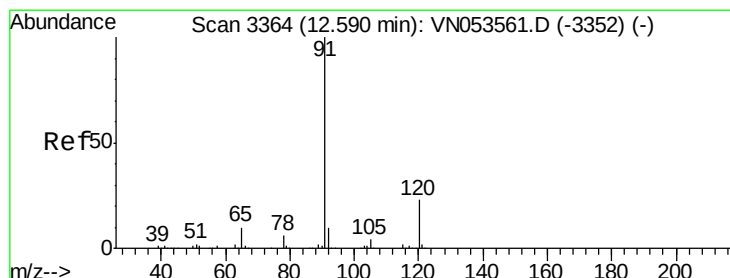
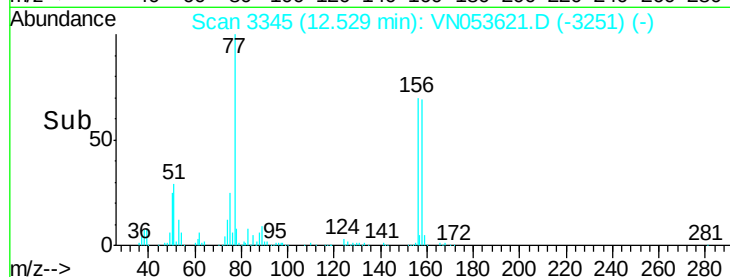
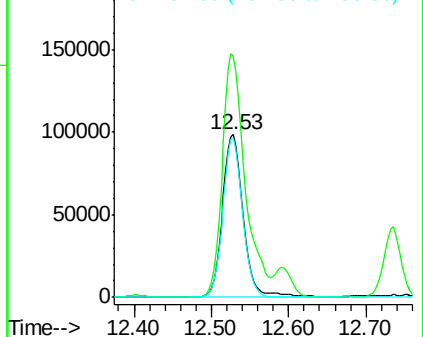
158 91.5 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.489 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053621.D

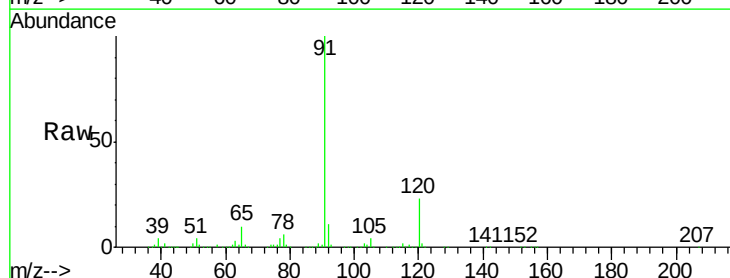
Acq: 5 Feb 2019 15:49

Tgt Ion: 91 Resp: 754174

Ion Ratio Lower Upper

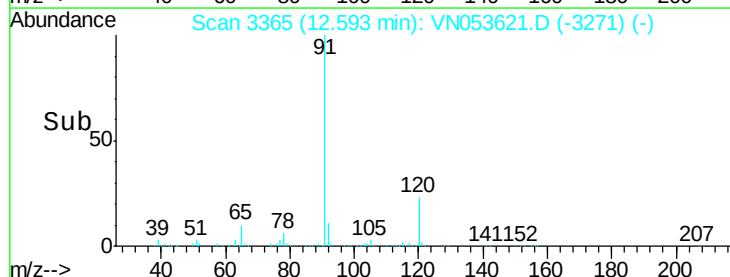
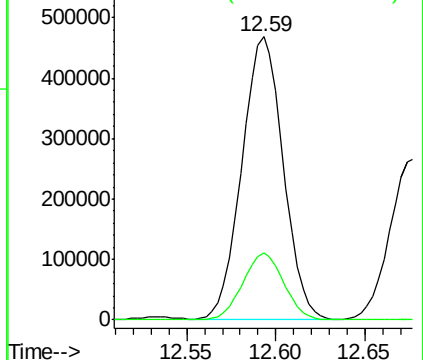
91 100

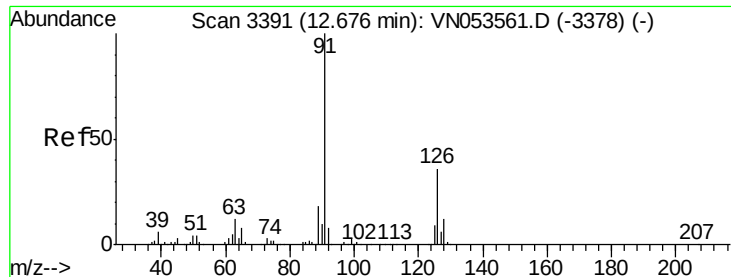
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.421 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

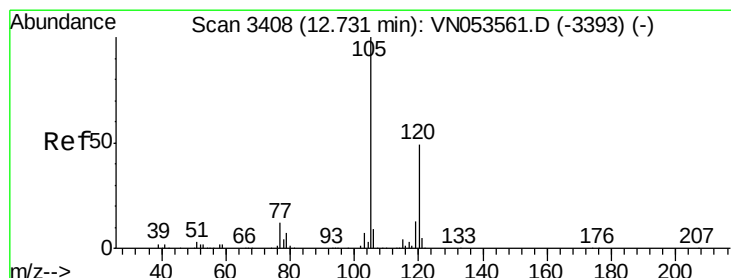
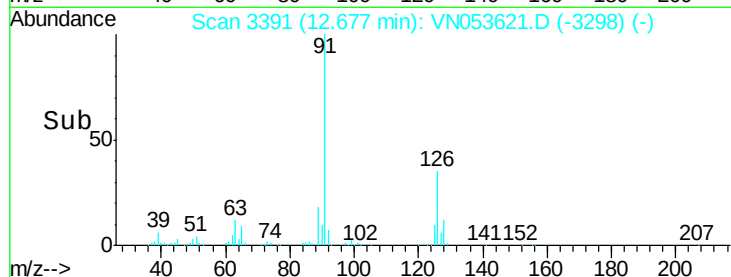
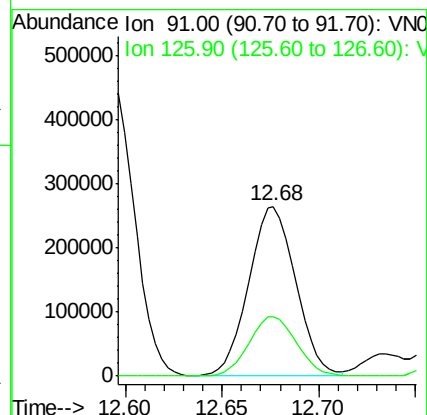
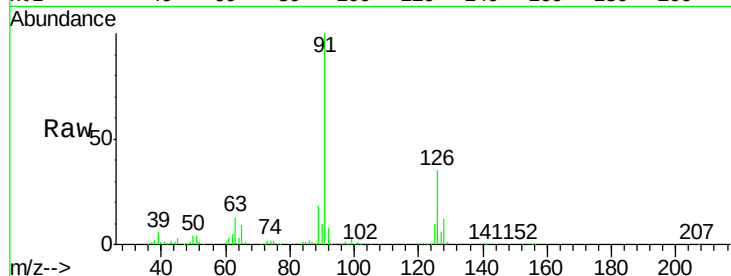
VN0205WBSD01

Tot Ion: 91 Resp: 445937

Ion Ratio Lower Upper

91 100

126 35.8 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 21.121 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053621.D

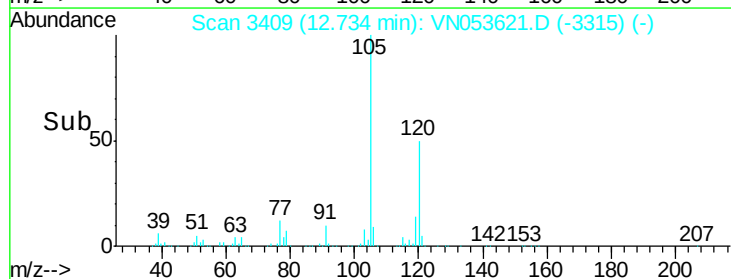
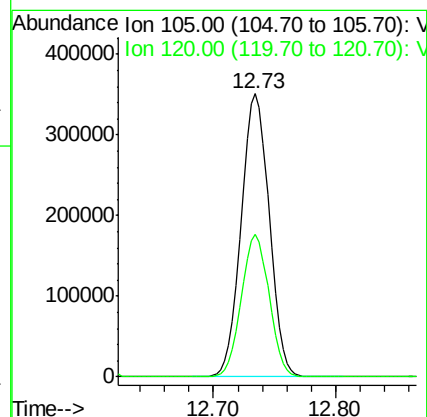
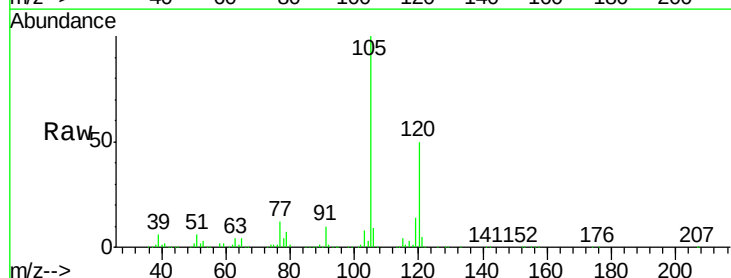
Acq: 5 Feb 2019 15:49

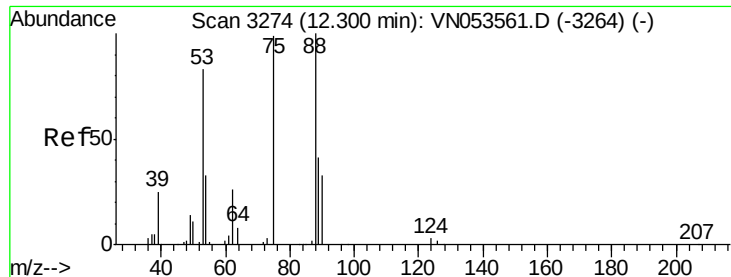
Tgt Ion: 105 Resp: 557676

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6

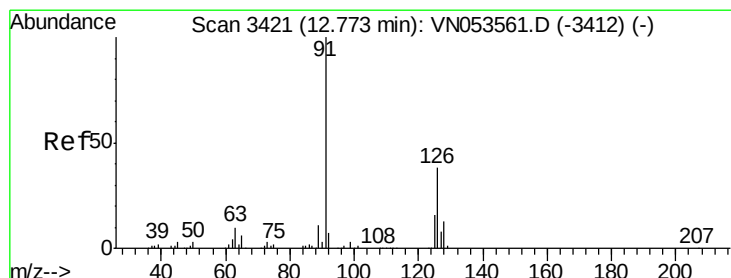
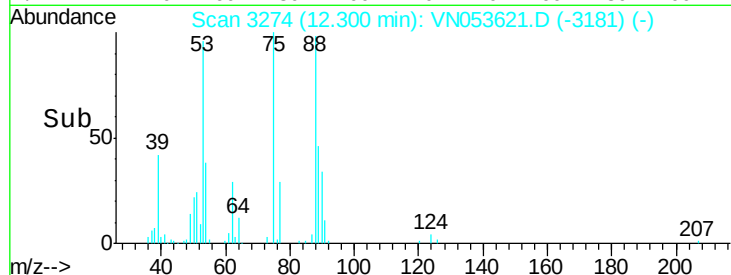
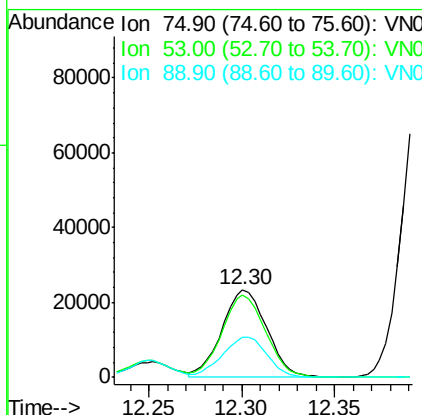
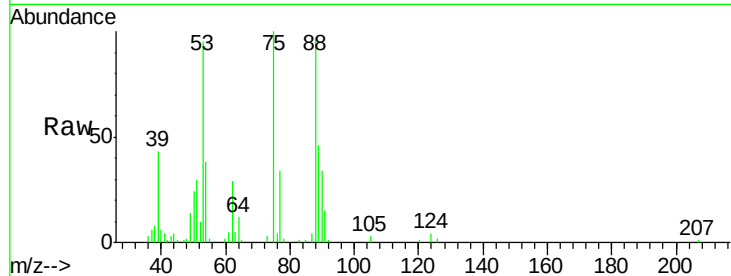




#81
trans-1,4-Dichloro-2-butene
Concen: 18.999 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

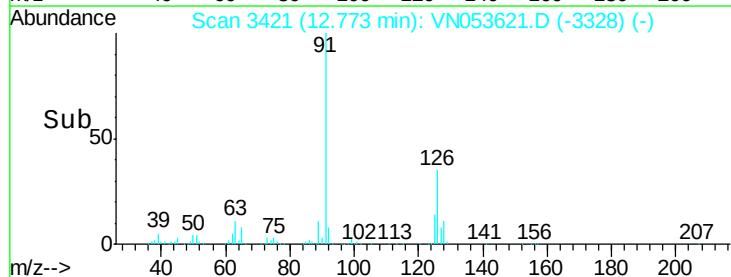
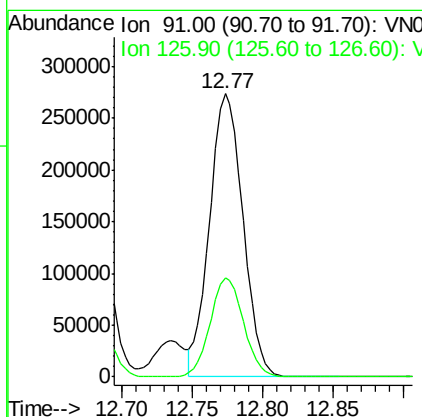
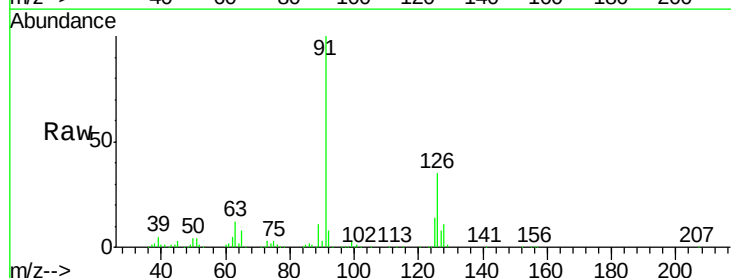
Instrument :
MSVOA_N
ClientSampleId :
VN0205WBSD01

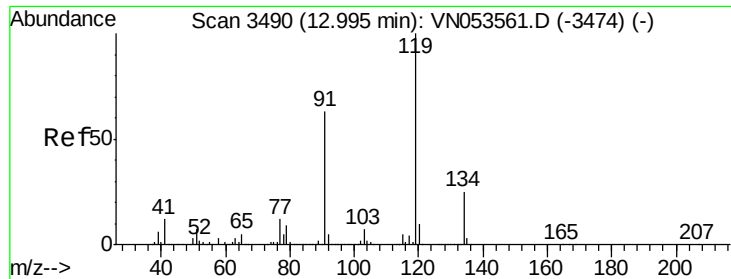
Tot Ion: 75 Resp: 39307
Ion Ratio Lower Upper
75 100
53 92.6 69.8 104.6
89 45.8 35.6 53.4



#82
4-Chlorotoluene
Concen: 20.053 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053621.D
Acq: 5 Feb 2019 15:49

Tgt Ion: 91 Resp: 449366
Ion Ratio Lower Upper
91 100
126 35.0 17.6 52.9

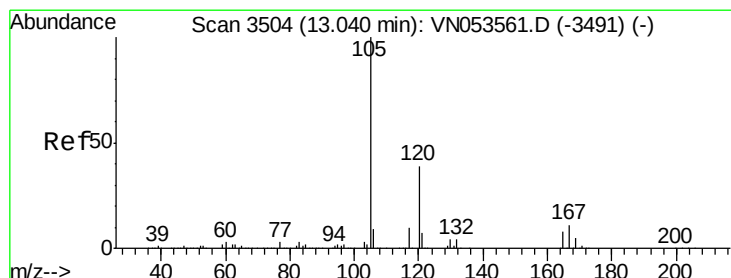
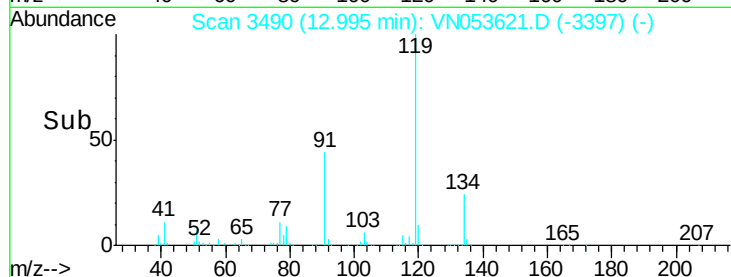
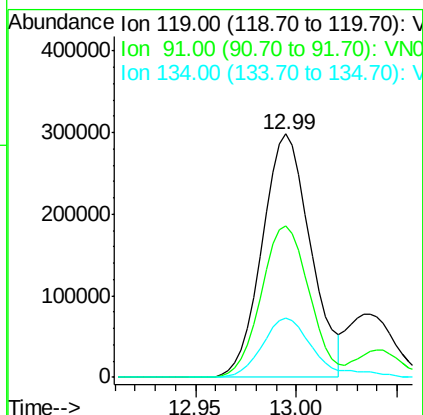
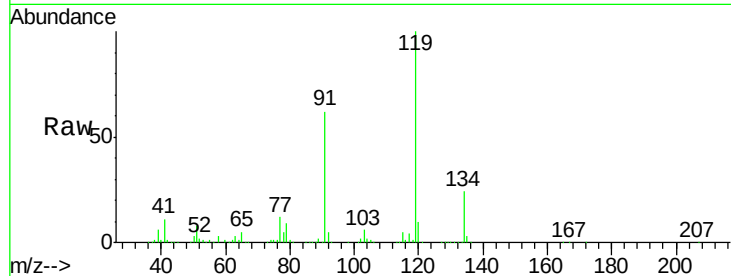




#83
 tert-Butylbenzene
 Concen: 21.317 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

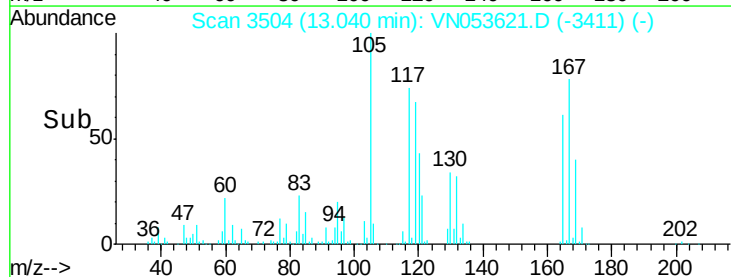
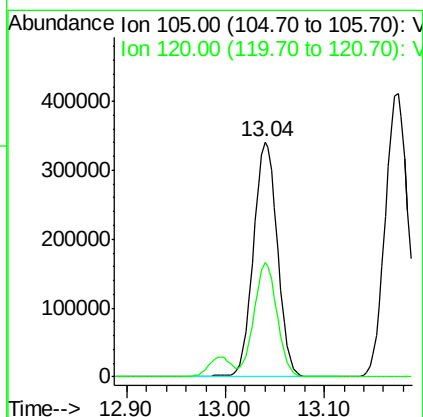
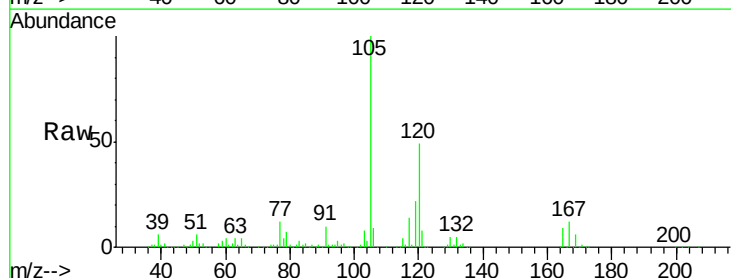
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

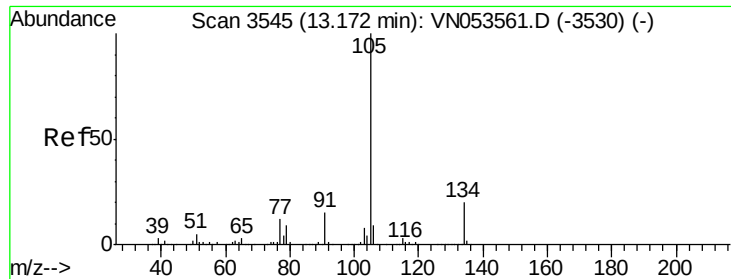
Tot Ion:119 Resp: 497463
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.3 93.8
 134 26.2 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.165 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion:105 Resp: 569353
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.993 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

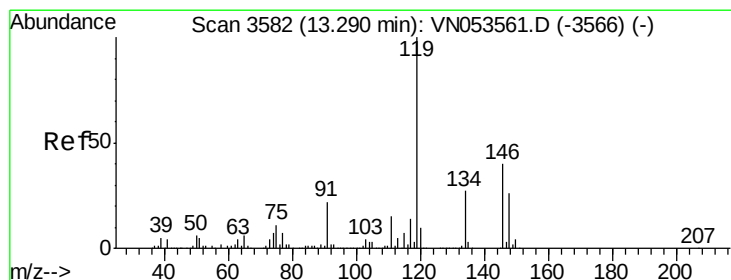
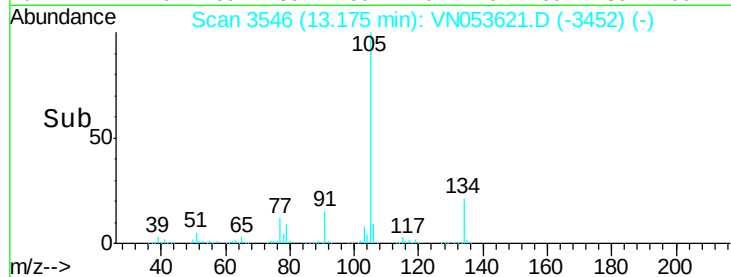
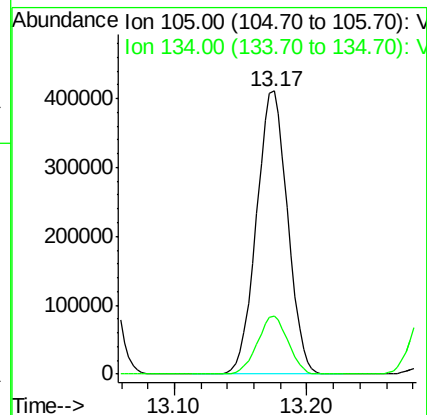
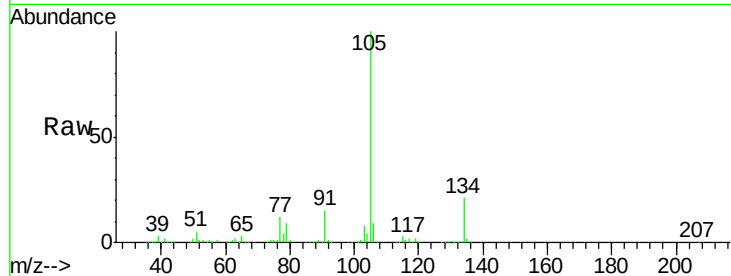
VN0205WBSD01

Tot Ion:105 Resp: 666673

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.767 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

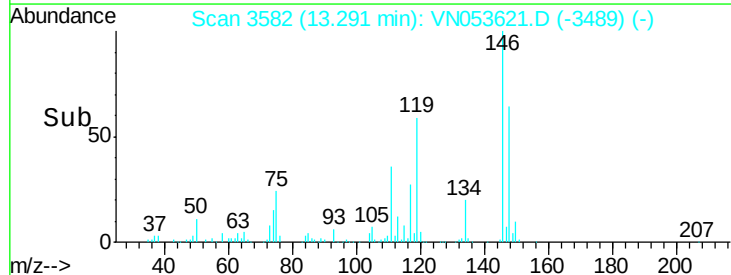
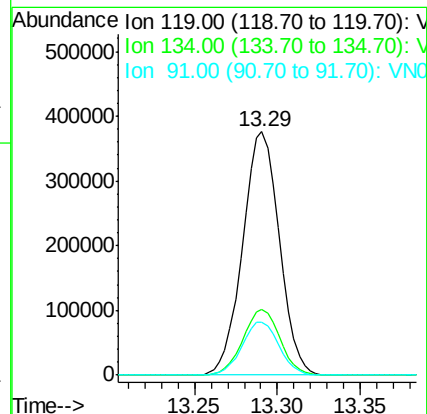
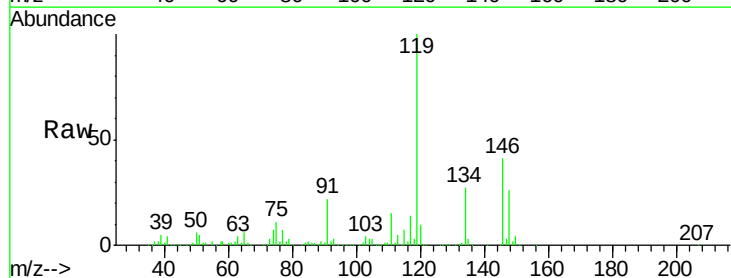
Tgt Ion:119 Resp: 576776

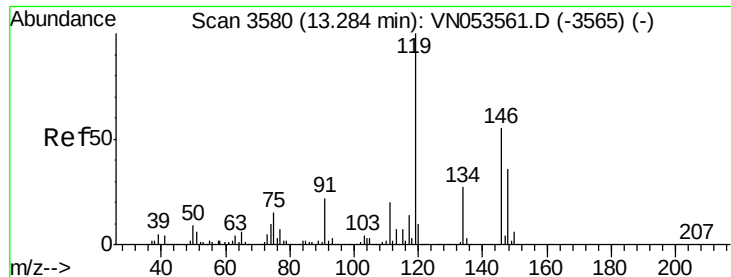
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.9 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 19.552 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

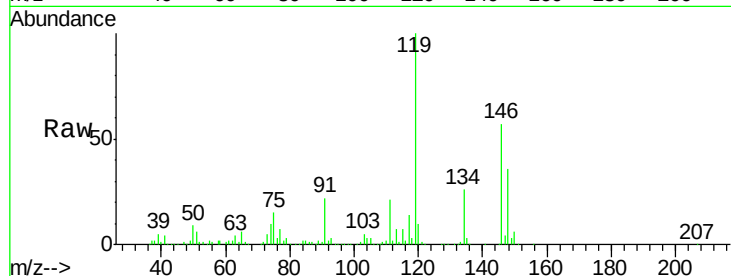
Tot Ion:146 Resp: 301621

Ion Ratio Lower Upper

146 100

111 37.4 18.8 56.3

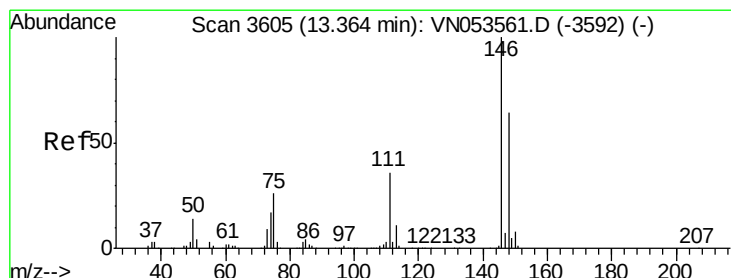
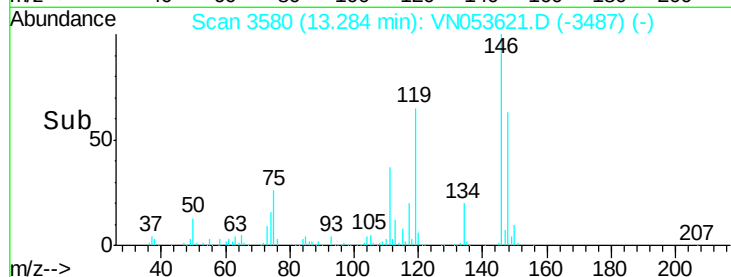
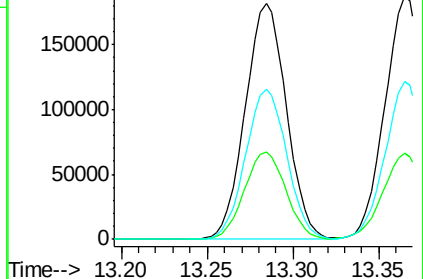
148 63.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.727 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

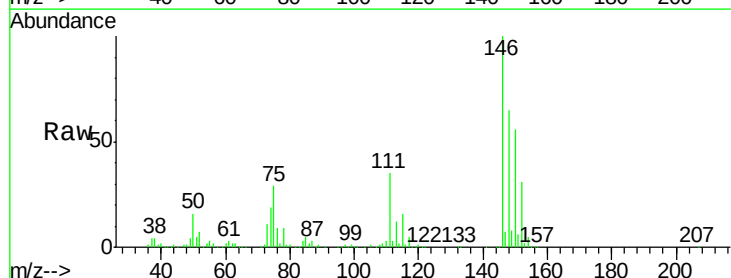
Tgt Ion:146 Resp: 301021

Ion Ratio Lower Upper

146 100

111 36.9 18.6 55.8

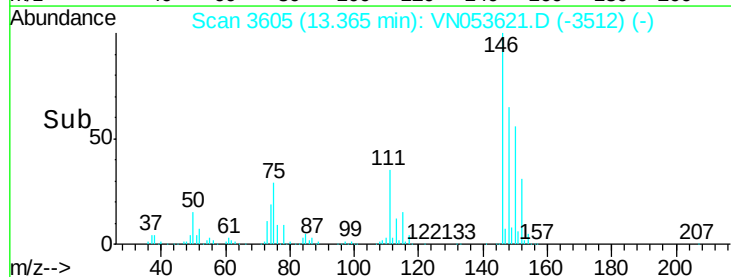
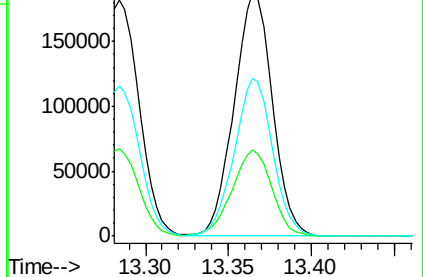
148 64.7 32.4 97.0

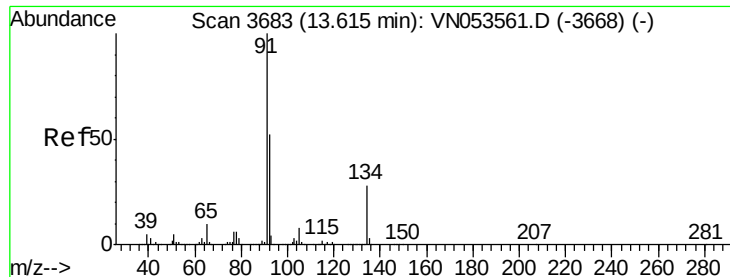


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.930 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

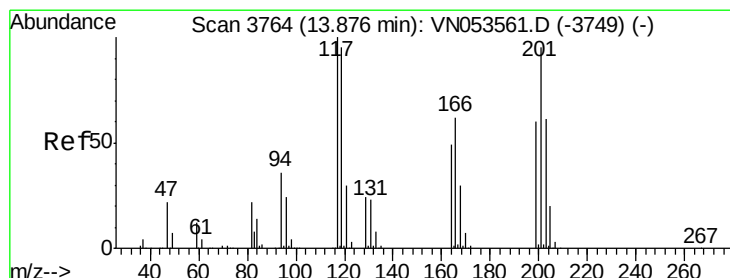
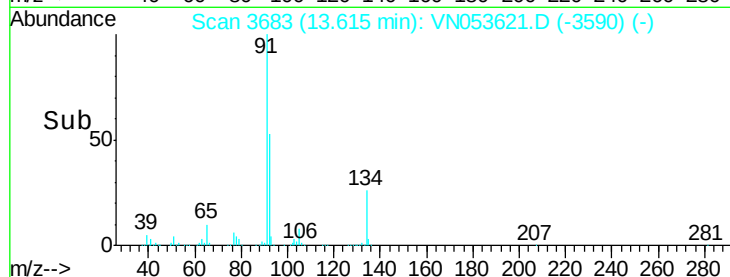
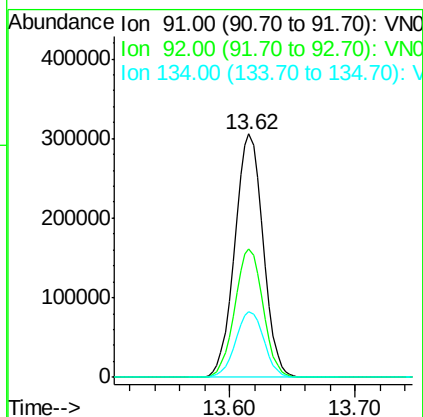
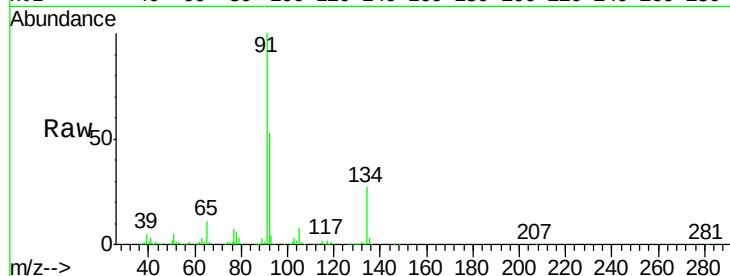
Tot Ion: 91 Resp: 479120

Ion Ratio Lower Upper

91 100

92 52.5 26.3 78.8

134 27.1 13.5 40.5



#90

Hexachloroethane

Concen: 20.564 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053621.D

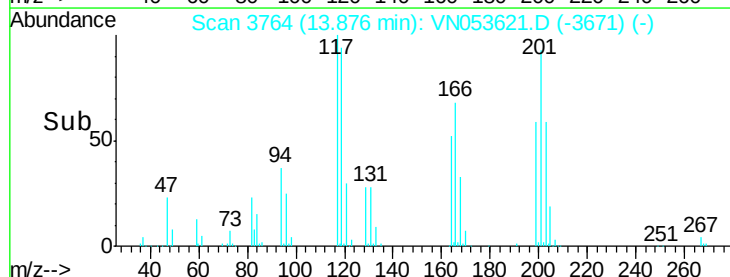
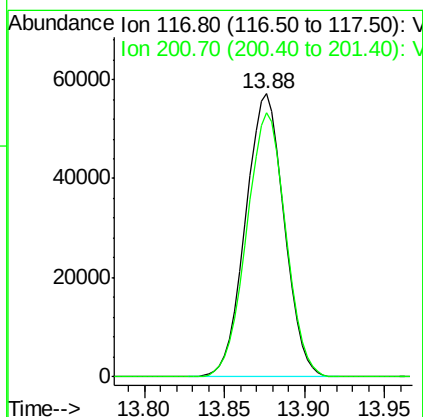
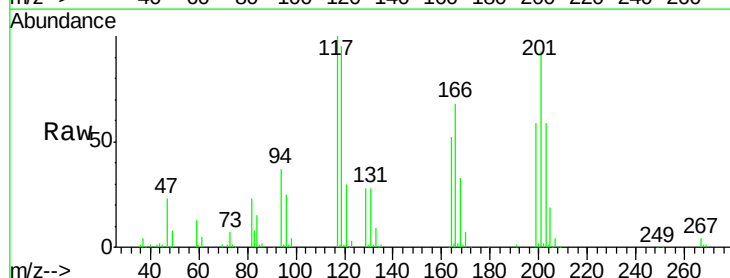
Acq: 5 Feb 2019 15:49

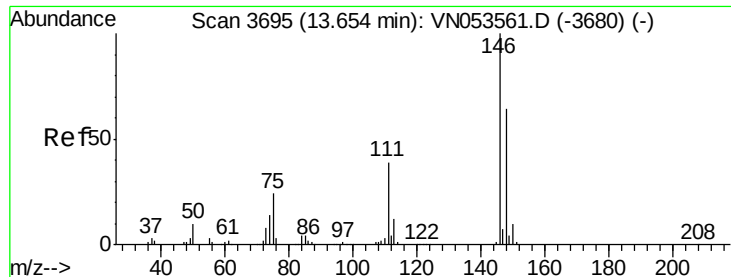
Tgt Ion: 117 Resp: 94205

Ion Ratio Lower Upper

117 100

201 94.5 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 20.320 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

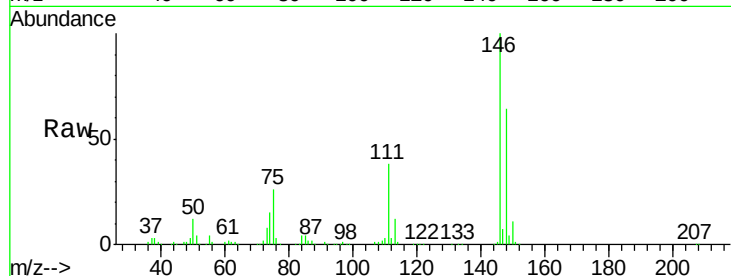
Tot Ion:146 Resp: 300094

Ion Ratio Lower Upper

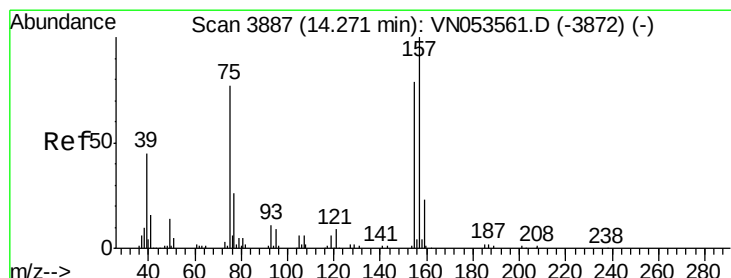
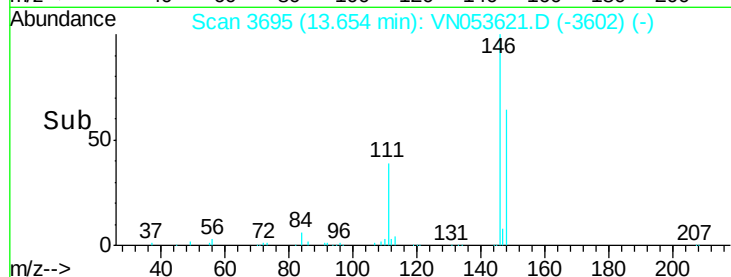
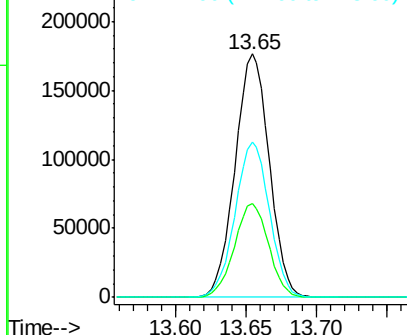
146 100

111 38.6 19.5 58.5

148 64.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.009 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

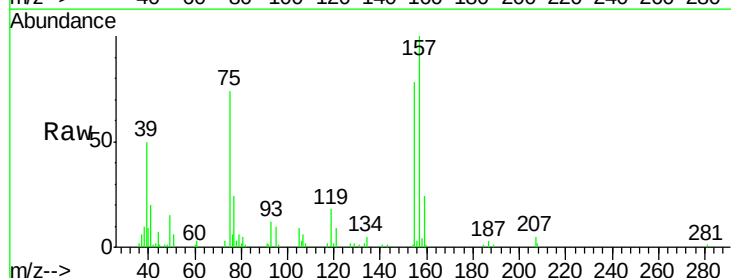
Tgt Ion: 75 Resp: 22816

Ion Ratio Lower Upper

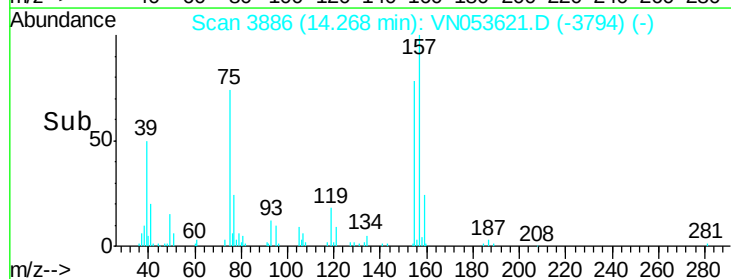
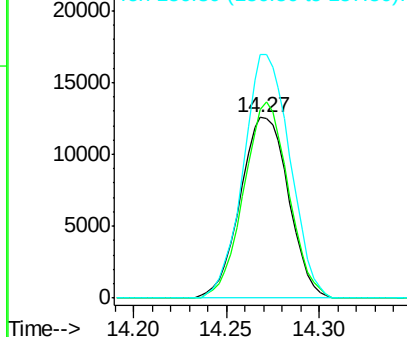
75 100

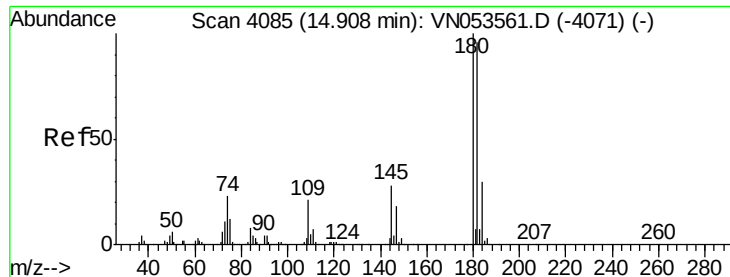
155 100.4 48.9 146.7

157 130.2 63.7 191.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

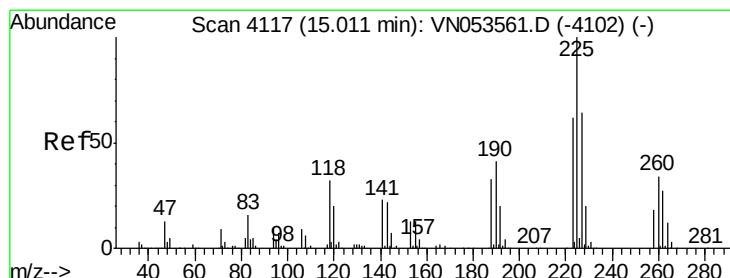
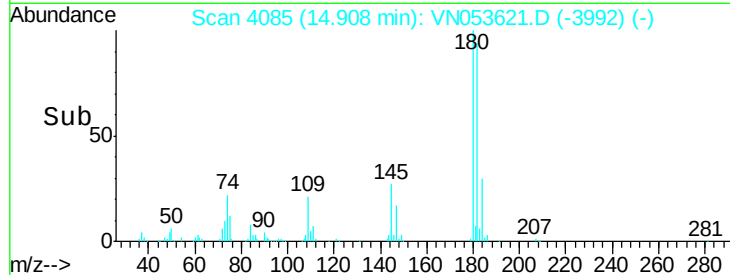
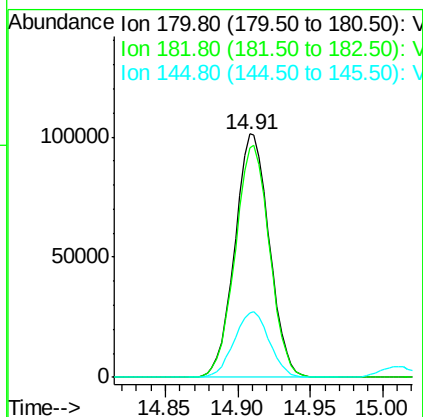
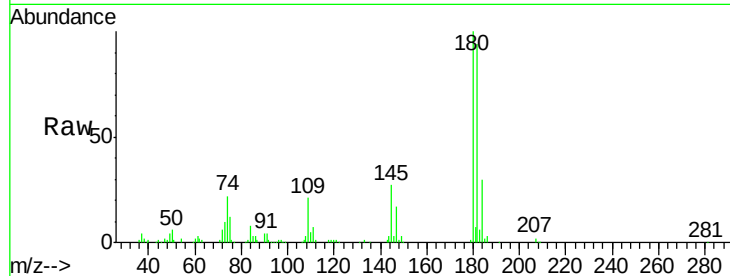




#93
 1,2,4-Trichlorobenzene
 Concen: 19.702 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

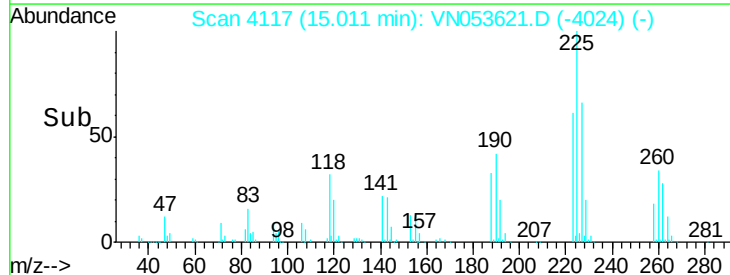
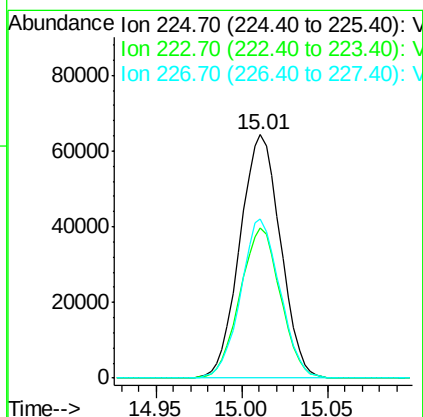
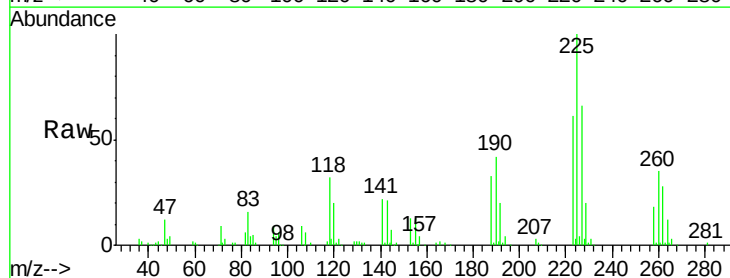
Instrument :
 MSVOA_N
 ClientSampled :
 VN0205WBSD01

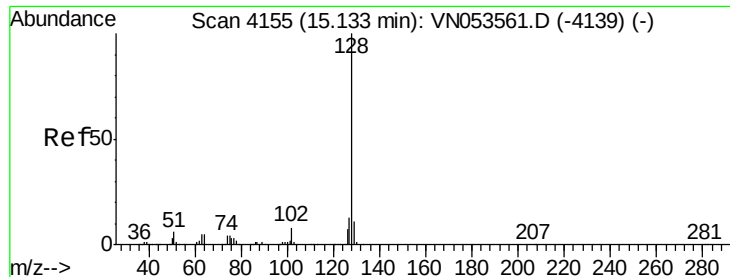
Tot Ion:180 Resp: 166874
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.1 144.3
 145 27.5 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 19.949 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053621.D
 Acq: 5 Feb 2019 15:49

Tgt Ion:225 Resp: 105225
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.1 93.2
 227 63.2 32.0 96.2





#95

Naphthalene

Concen: 20.078 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0205WBSD01

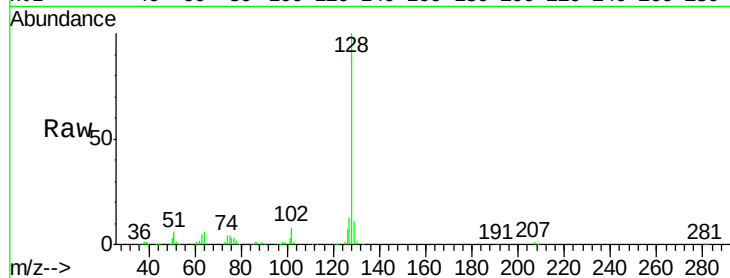
Tot Ion:128 Resp: 378073

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

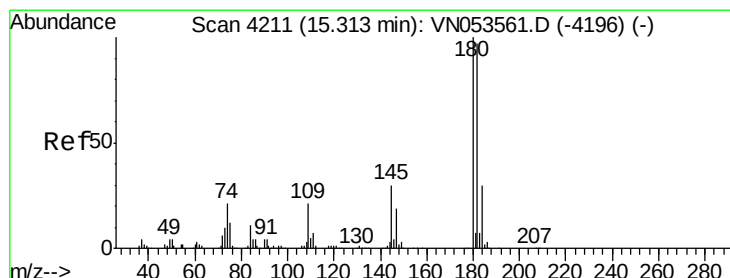
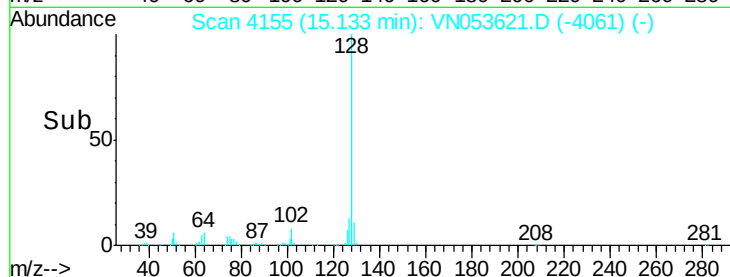
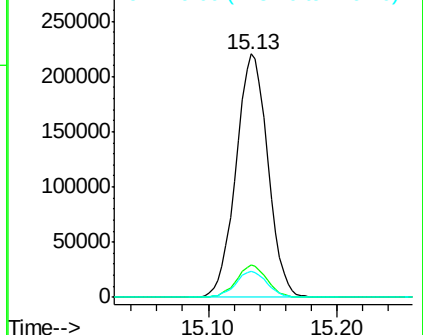
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.210 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053621.D

Acq: 5 Feb 2019 15:49

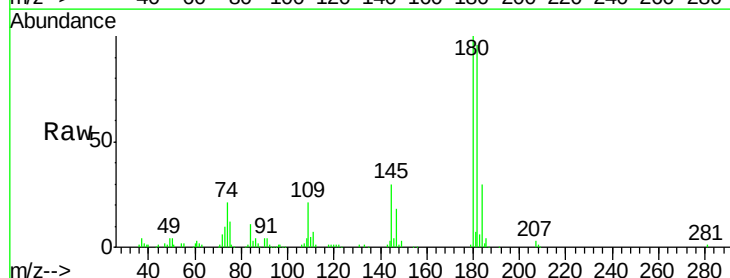
Tgt Ion:180 Resp: 158834

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.8

145 29.6 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

