

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021119\
 Data File : VN053696.D
 Acq On : 11 Feb 2019 11:25
 Operator : JC/SP
 Sample : VN0211WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBS01

Quant Time: Feb 11 22:06:05 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	7.66	168	690439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1029663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	881589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	419887	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	337677	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
35) Dibromofluoromethane	7.59	113	325281	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
50) Toluene-d8	10.09	98	1201020	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.40	95	387356	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	138281	17.983	ug/l	99
3) Chloromethane	2.06	50	141560	17.270	ug/l	100
4) Vinyl Chloride	2.19	62	144659	18.180	ug/l	100
5) Bromomethane	2.57	94	104696	20.123	ug/l	100
6) Chloroethane	2.71	64	89966	19.785	ug/l	96
7) Trichlorofluoromethane	3.02	101	204377	18.941	ug/l	97
8) Diethyl Ether	3.41	74	71836	18.229	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127130	19.050	ug/l	98
10) Methyl Iodide	3.95	142	177977	16.992	ug/l	99
11) Tert butyl alcohol	4.78	59	39771	97.021	ug/l	99
12) 1,1-Dichloroethene	3.74	96	118778	18.578	ug/l	98
13) Acrolein	3.61	56	11143	49.927	ug/l	91
14) Allyl chloride	4.32	41	185777	18.249	ug/l	99
15) Acrylonitrile	4.99	53	208916	94.405	ug/l	99
16) Acetone	3.82	43	172593	97.145	ug/l	99
17) Carbon Disulfide	4.05	76	333042	16.729	ug/l	100
18) Methyl Acetate	4.32	43	104531	19.867	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	305440	18.845	ug/l	98
20) Methylene Chloride	4.55	84	135645	18.198	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	126608	18.355	ug/l	96
22) Diisopropyl ether	5.95	45	353722	18.752	ug/l	96
23) Vinyl Acetate	5.90	43	1169243	89.604	ug/l	99
24) 1,1-Dichloroethane	5.85	63	232060	18.445	ug/l	100
25) 2-Butanone	6.84	43	239107	94.364	ug/l	99
26) 2,2-Dichloropropane	6.82	77	176609	18.389	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	143798	18.748	ug/l	97
28) Bromochloromethane	7.19	49	105309	19.288	ug/l	96
29) Tetrahydrofuran	7.21	42	150501	92.497	ug/l	98
30) Chloroform	7.37	83	231149	18.534	ug/l	98
31) Cyclohexane	7.65	56	208605	17.699	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	192561	18.553	ug/l	99
36) 1,1-Dichloropropene	7.79	75	171107	18.435	ug/l	97
37) Ethyl Acetate	6.93	43	90940	17.543	ug/l	96
38) Carbon Tetrachloride	7.77	117	174006	18.610	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	201431	18.292	ug/l	99
40) Benzene	8.04	78	529969	18.516	ug/l	100
41) Methacrylonitrile	7.17	41	52441	18.100	ug/l	91
42) 1,2-Dichloroethane	8.12	62	155827	18.335	ug/l	98
43) Isopropyl Acetate	8.16	43	168848	16.866	ug/l	99
44) Trichloroethene	8.83	130	148819	18.263	ug/l	99
45) 1,2-Dichloropropane	9.12	63	139287	19.026	ug/l	99
46) Dibromomethane	9.21	93	81590	18.488	ug/l	98
47) Bromodichloromethane	9.40	83	174338	19.000	ug/l	98
48) Methyl methacrylate	9.20	41	80633	16.873	ug/l	91
49) 1,4-Dioxane	9.20	88	25408	391.683	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	450204	91.513	ug/l	100
52) Toluene	10.16	92	322048	18.958	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	164821	17.938	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	203401	18.681	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	117318	19.166	ug/l	99
56) Ethyl methacrylate	10.43	69	126508	17.470	ug/l	98
57) 1,3-Dichloropropane	10.71	76	195446	18.682	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	339800	81.248	ug/l	98
59) 2-Hexanone	10.75	43	288128	86.273	ug/l	100
60) Dibromochloromethane	10.90	129	131829	19.098	ug/l	100
61) 1,2-Dibromoethane	11.00	107	110323	18.209	ug/l	99
64) Tetrachloroethene	10.63	164	145591	19.265	ug/l	98
65) Chlorobenzene	11.43	112	350045	18.693	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	127170	19.445	ug/l	100
67) Ethyl Benzene	11.51	91	574685	18.682	ug/l	99
68) m/p-Xylenes	11.62	106	452849	38.572	ug/l	99
69) o-Xylene	11.95	106	219253	19.331	ug/l	98
70) Styrene	11.96	104	349967	19.037	ug/l	100
71) Bromoform	12.13	173	86360	19.262	ug/l #	99
73) Isopropylbenzene	12.25	105	585373	19.831	ug/l	99
74) N-amyl acetate	12.07	43	130025	18.319	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	131905	18.672	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	159778	29.626	ug/l #	100
77) Bromobenzene	12.53	156	149422	18.783	ug/l	99
78) n-propylbenzene	12.59	91	675433	19.794	ug/l	100
79) 2-Chlorotoluene	12.67	91	399283	19.723	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	498596	20.370	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	33080	17.247	ug/l	97
82) 4-Chlorotoluene	12.77	91	397495	19.135	ug/l	100
83) tert-Butylbenzene	12.99	119	443168	20.485	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	501574	20.113	ug/l	98
85) sec-Butylbenzene	13.17	105	602698	20.473	ug/l	99
86) p-Isopropyltoluene	13.29	119	529299	20.558	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	267274	18.690	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	267957	18.942	ug/l	99
89) n-Butylbenzene	13.61	91	445030	19.969	ug/l	99
90) Hexachloroethane	13.87	117	87040	20.495	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	263030	19.212	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19521	19.389	ug/l	96

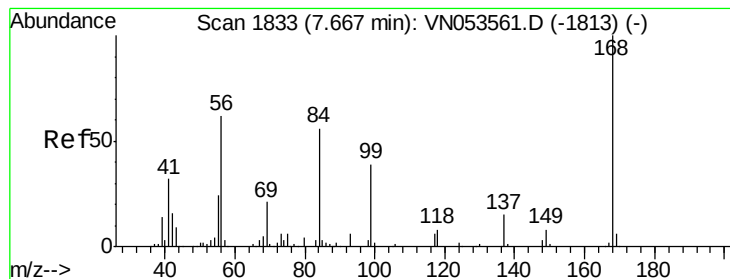
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021119\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	143321	18.253	ug/l	99
94) Hexachlorobutadiene	15.01	225	103878	21.243	ug/l	98
95) Naphthalene	15.13	128	270181	15.876	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	135799	18.639	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

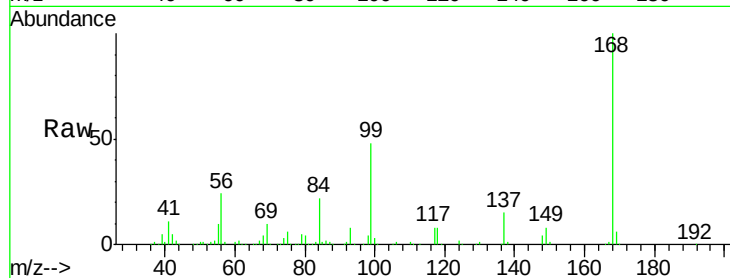
VN0211WBS01

Tot Ion:168 Resp: 690439

Ion Ratio Lower Upper

168 100

99 47.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

150000

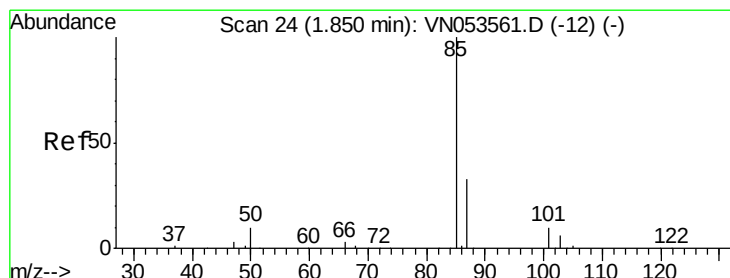
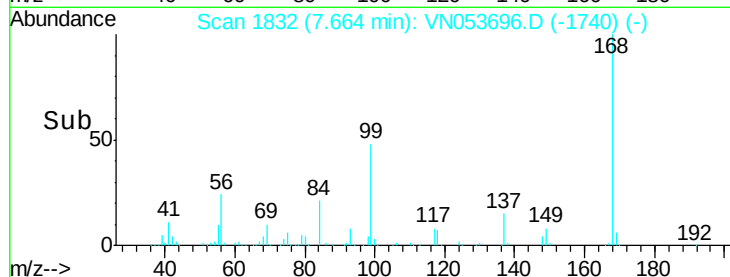
100000

50000

0

Time-->

7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 17.983 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053696.D

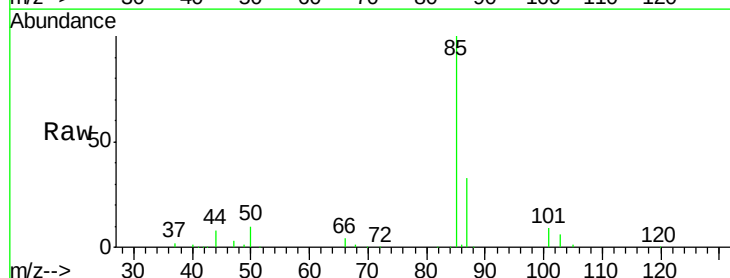
Acq: 11 Feb 2019 11:25

Tgt Ion: 85 Resp: 138281

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

60000

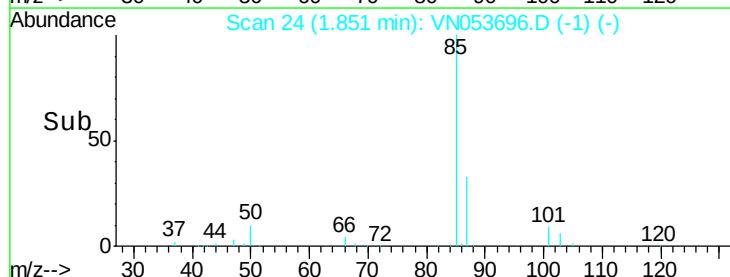
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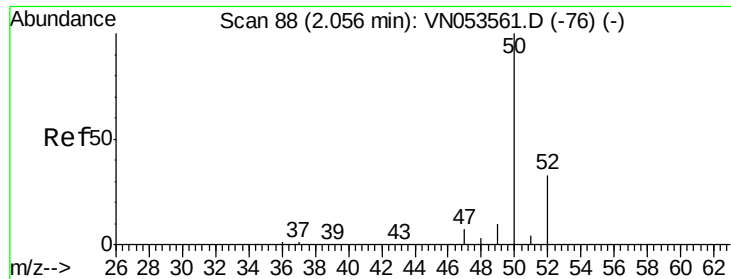
20000

0

Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 17.270 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

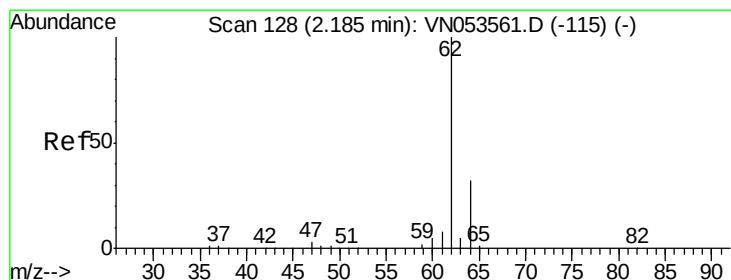
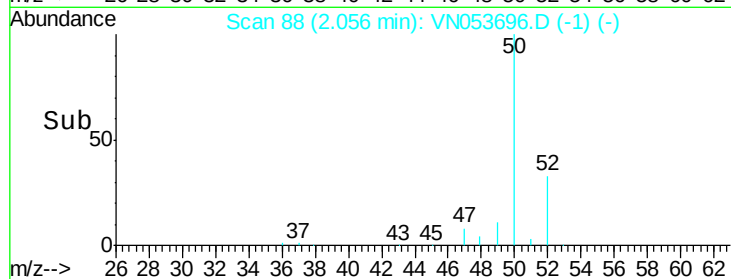
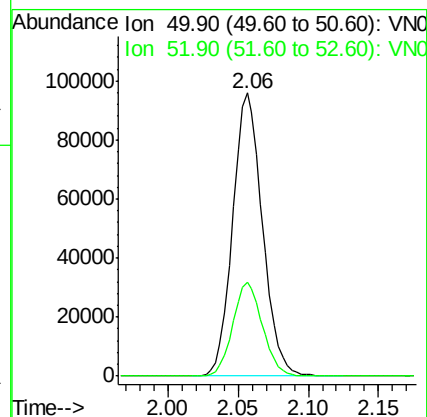
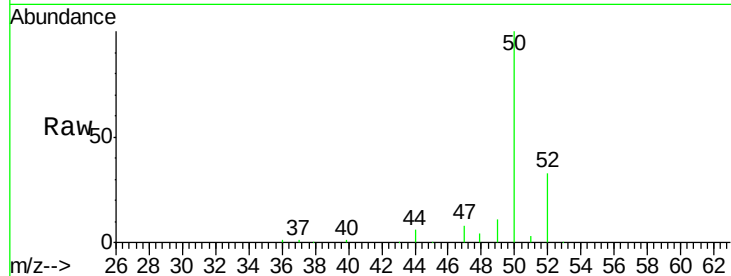
VN0211WBS01

Tot Ion: 50 Resp: 141560

Ion Ratio Lower Upper

50 100

52 33.3 26.6 40.0



#4

Vinyl Chloride

Concen: 18.180 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN053696.D

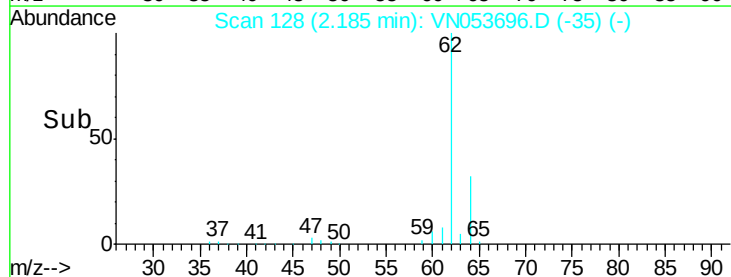
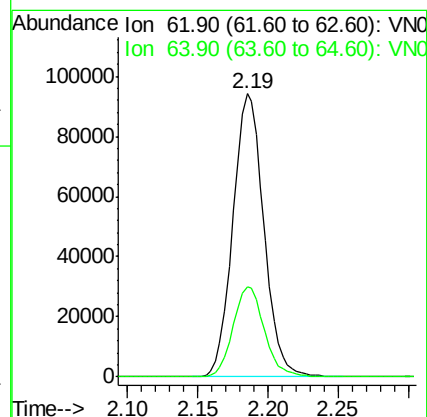
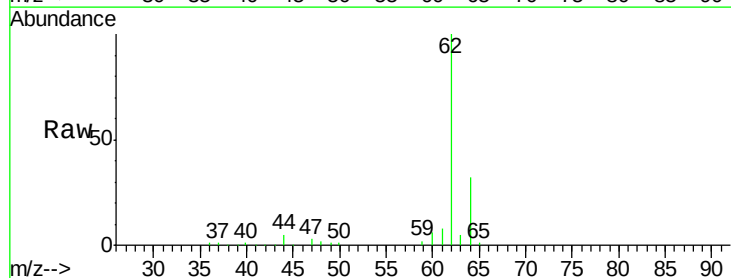
Acq: 11 Feb 2019 11:25

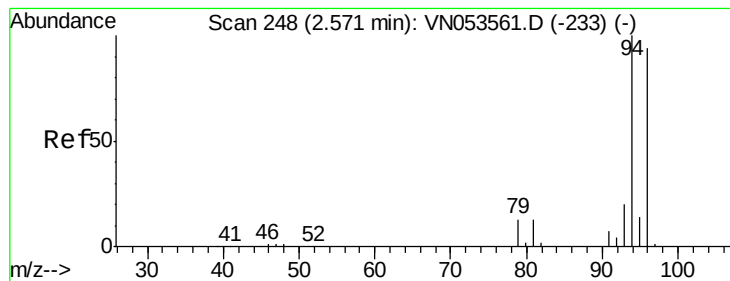
Tgt Ion: 62 Resp: 144659

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 20.123 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

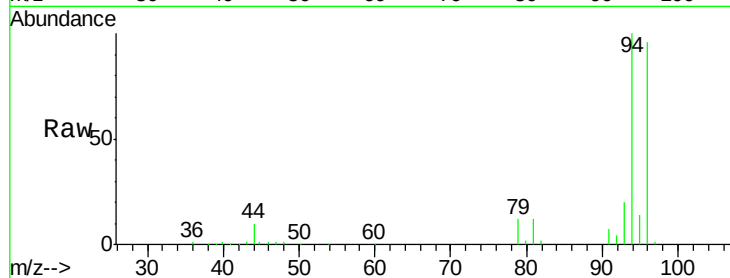
VN0211WBS01

Tot Ion: 94 Resp: 104696

Ion Ratio Lower Upper

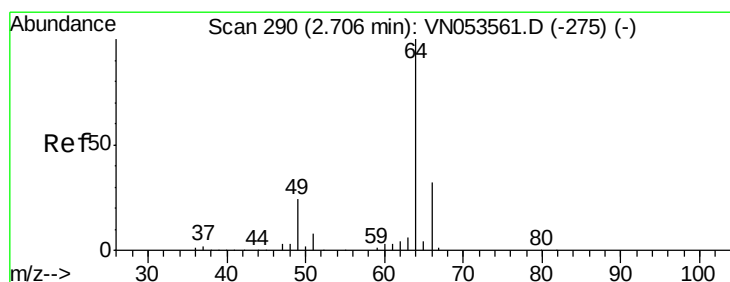
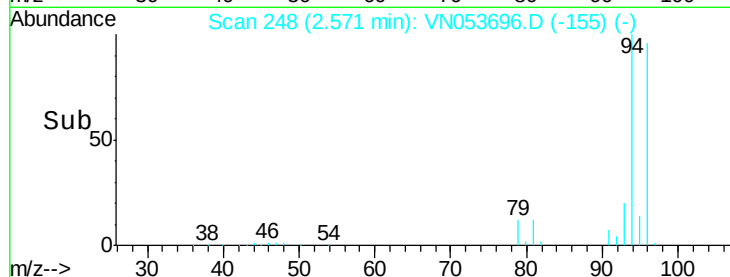
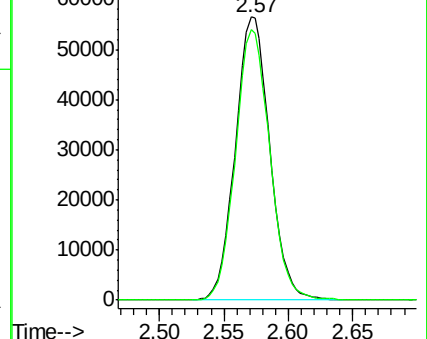
94 100

96 95.7 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.785 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053696.D

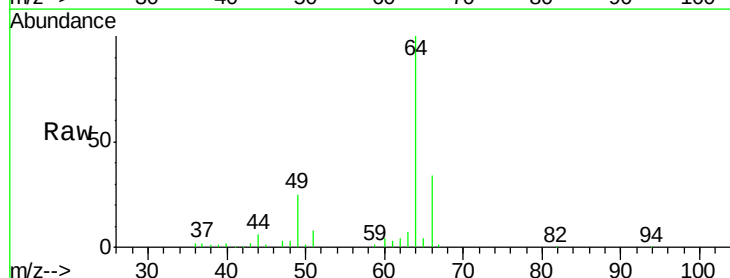
Acq: 11 Feb 2019 11:25

Tgt Ion: 64 Resp: 89966

Ion Ratio Lower Upper

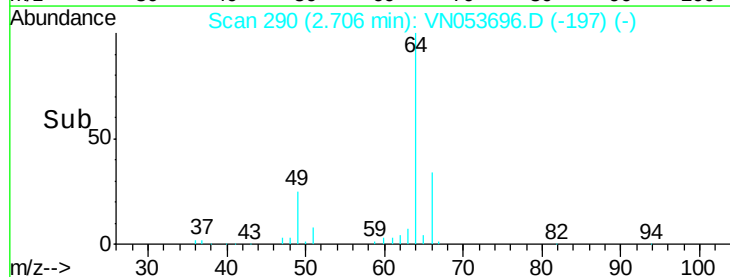
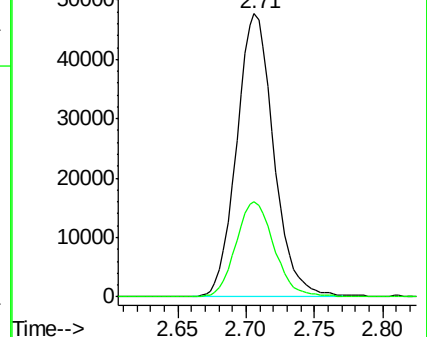
64 100

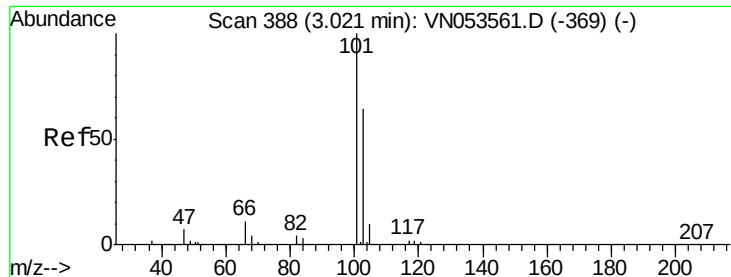
66 33.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



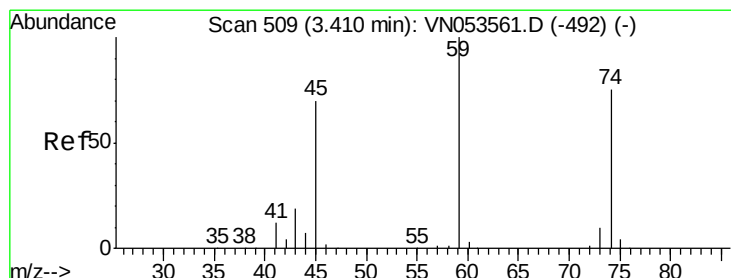
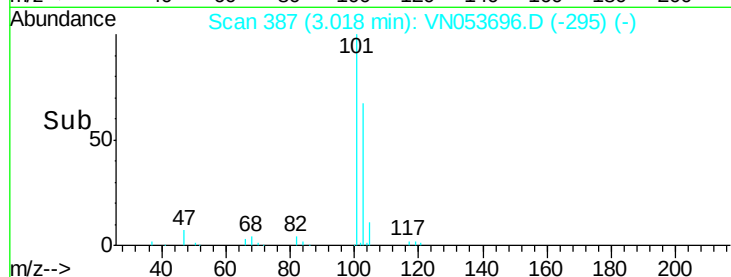
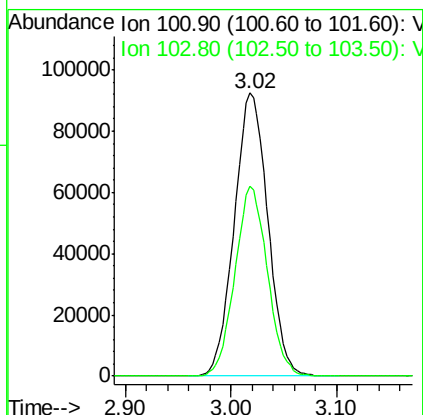
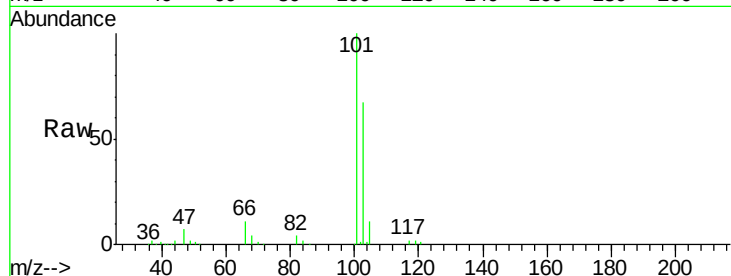


#7

Trichlorofluoromethane
 Concen: 18.941 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0211WBS01

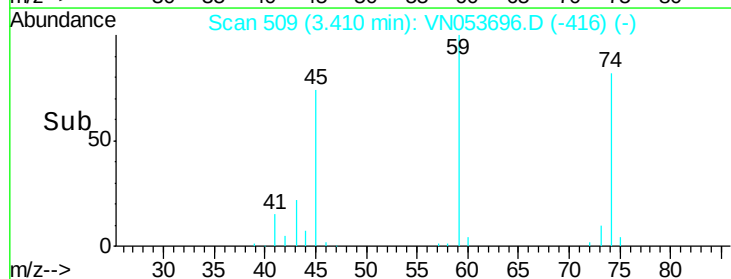
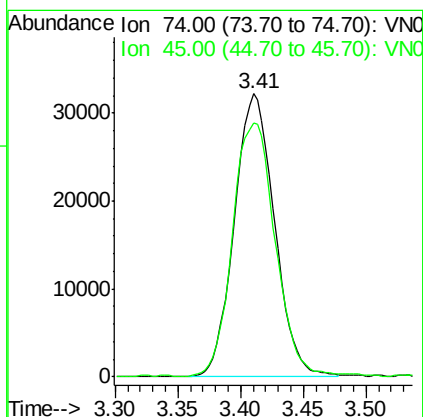
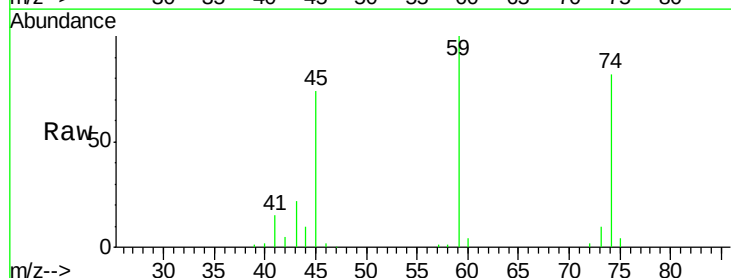
Tot Ion:101 Resp: 204377
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.6 77.4

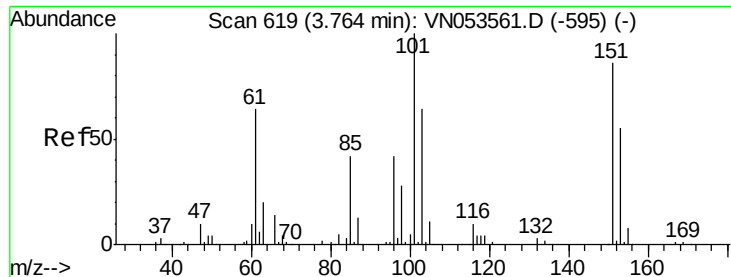


#8

Diethyl Ether
 Concen: 18.229 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

Tgt Ion: 74 Resp: 71836
 Ion Ratio Lower Upper
 74 100
 45 96.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.050 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0211WBS01

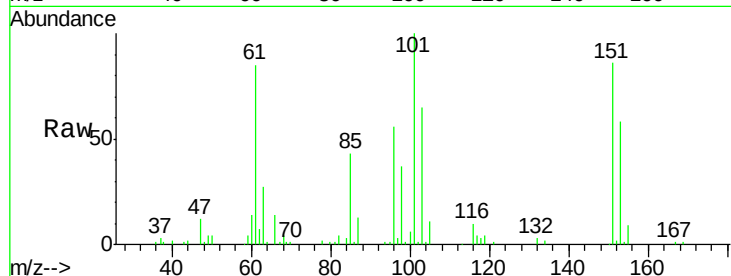
Tot Ion:101 Resp: 127130

Ion Ratio Lower Upper

101 100

85 41.7 32.8 49.2

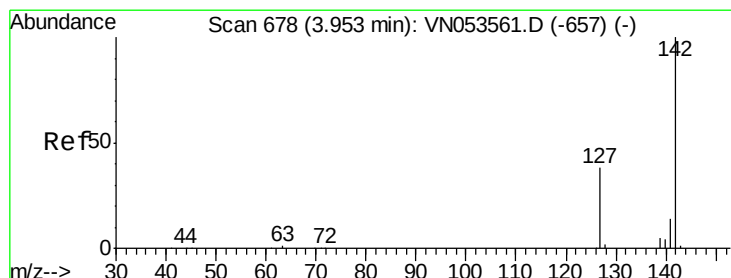
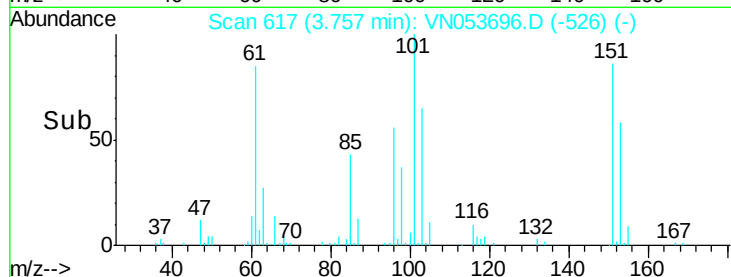
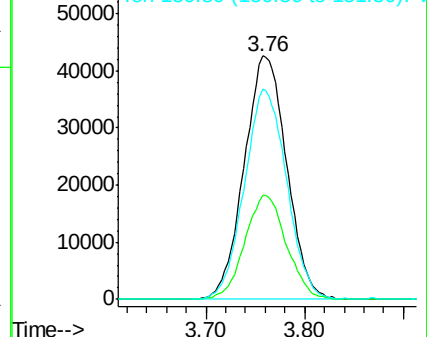
151 85.9 66.9 100.3



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: 16.992 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

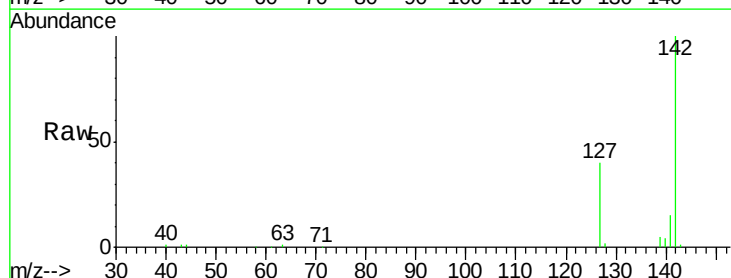
Tgt Ion:142 Resp: 177977

Ion Ratio Lower Upper

142 100

127 38.9 31.0 46.4

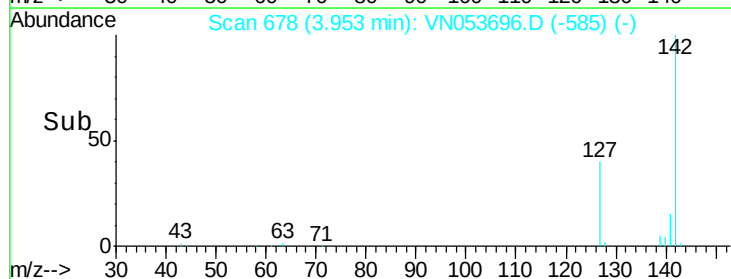
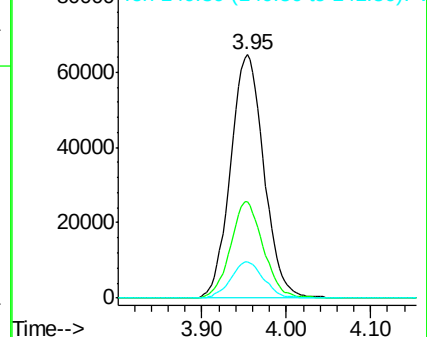
141 14.5 11.1 16.7

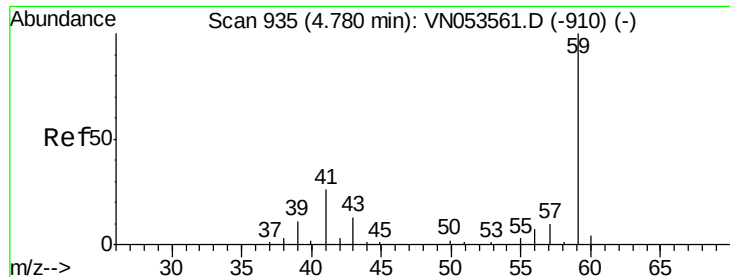


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



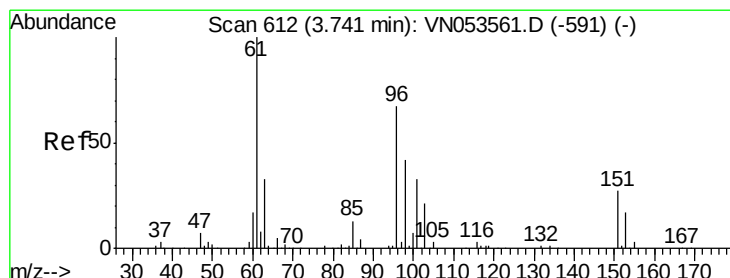
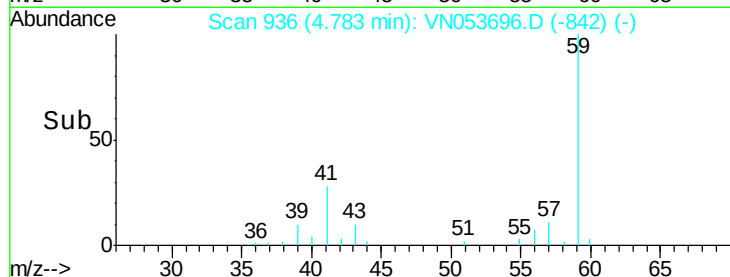
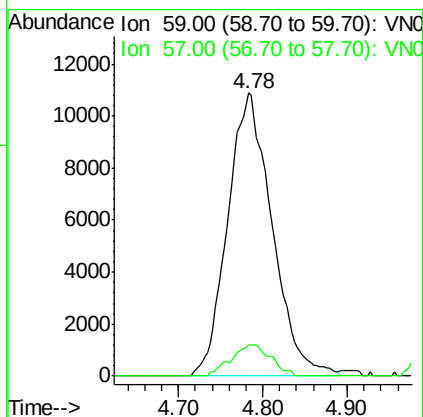
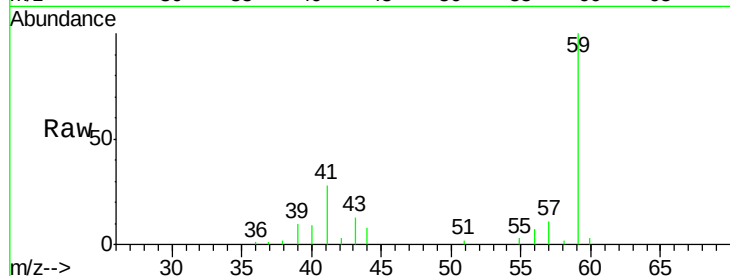


#11

Tert butyl alcohol
 Concen: 97.021 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBS01

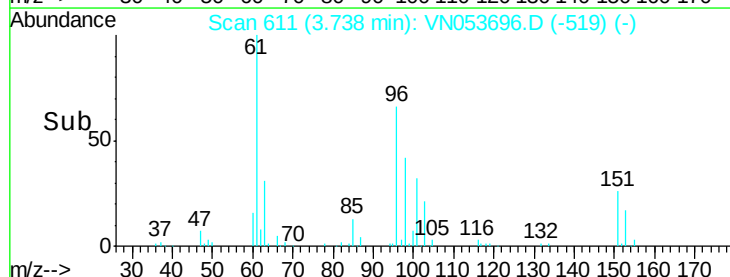
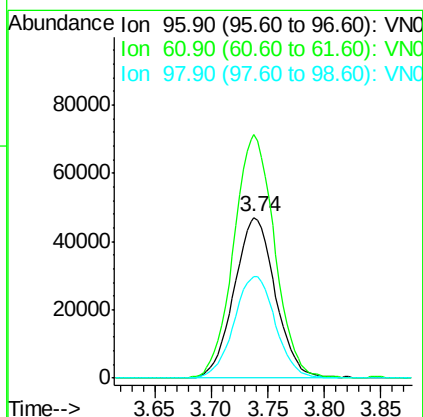
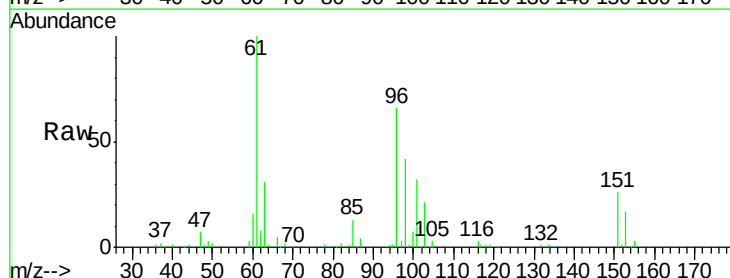
Tot Ion: 59 Resp: 39771
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4

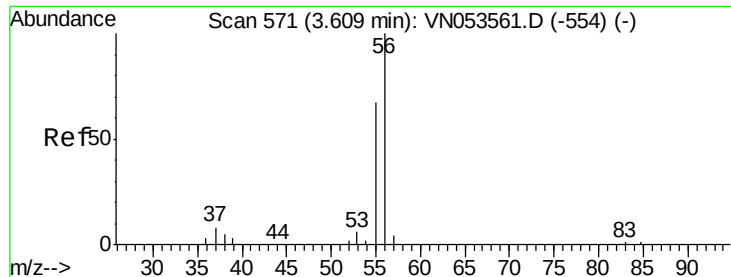


#12

1,1-Dichloroethene
 Concen: 18.578 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

Tgt Ion: 96 Resp: 118778
 Ion Ratio Lower Upper
 96 100
 61 151.4 122.9 184.3
 98 63.6 49.4 74.0





#13

Acrolein

Concen: 49.927 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

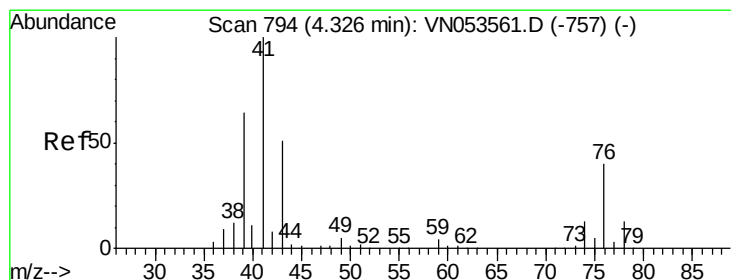
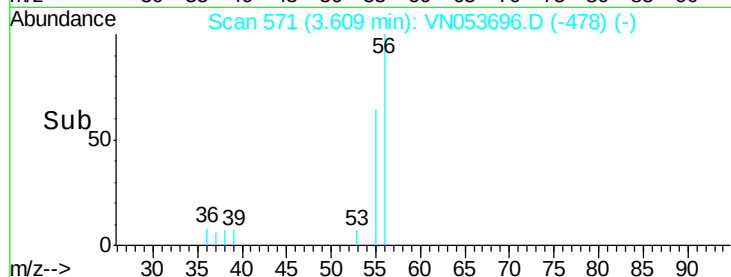
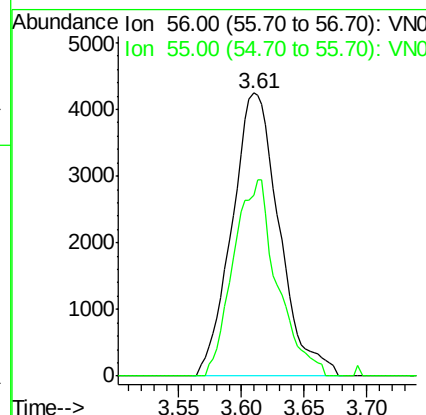
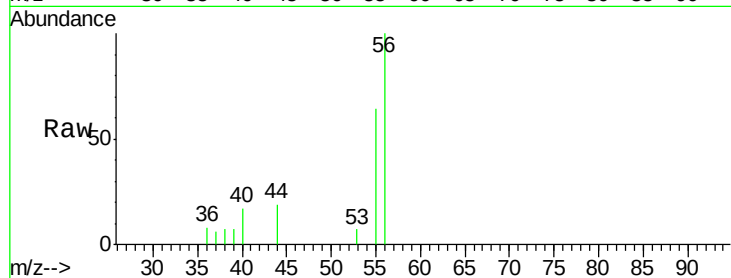
VN0211WBS01

Tot Ion: 56 Resp: 11143

Ion Ratio Lower Upper

56 100

55 64.4 57.4 86.0



#14

Allyl chloride

Concen: 18.249 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

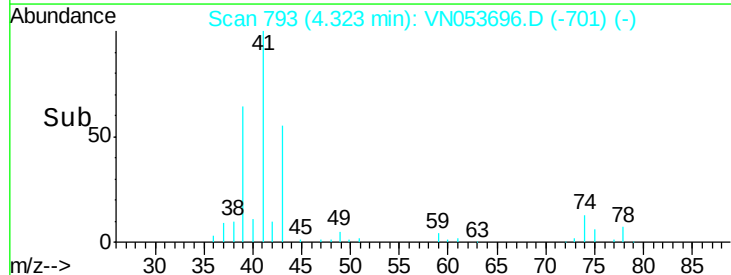
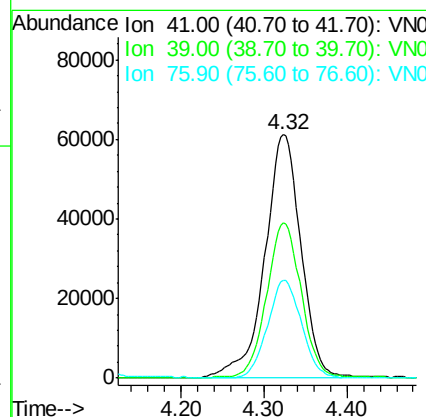
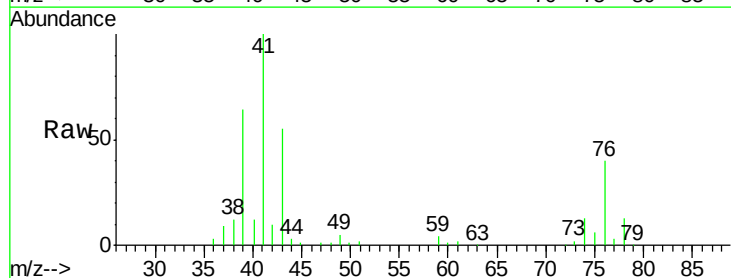
Tgt Ion: 41 Resp: 185777

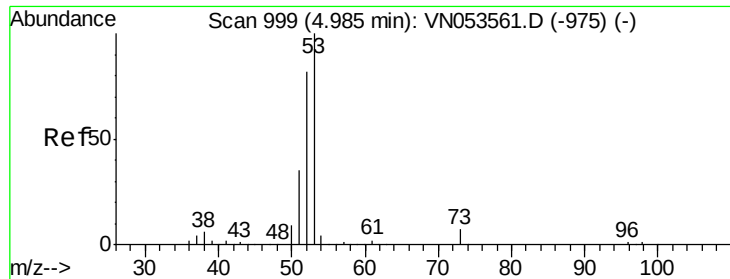
Ion Ratio Lower Upper

41 100

39 61.3 48.9 73.3

76 37.9 29.4 44.2





#15

Acrylonitrile

Concen: 94.405 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBS01

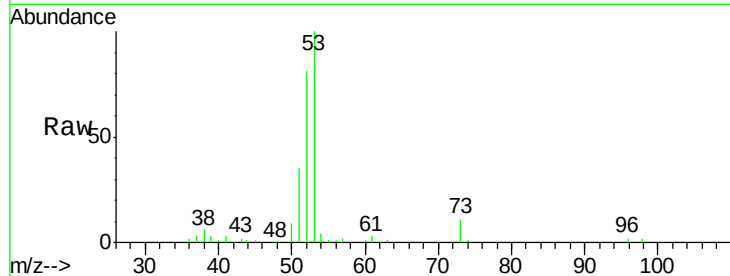
Tot Ion: 53 Resp: 208916

Ion Ratio Lower Upper

53 100

52 80.9 66.0 99.0

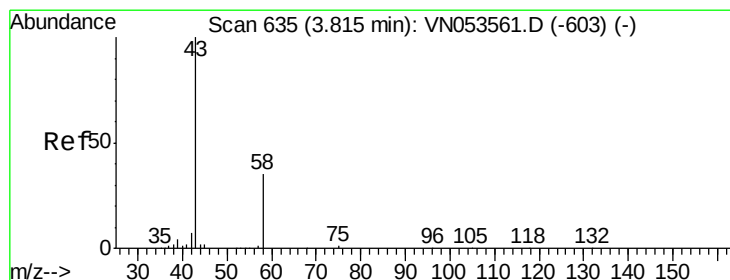
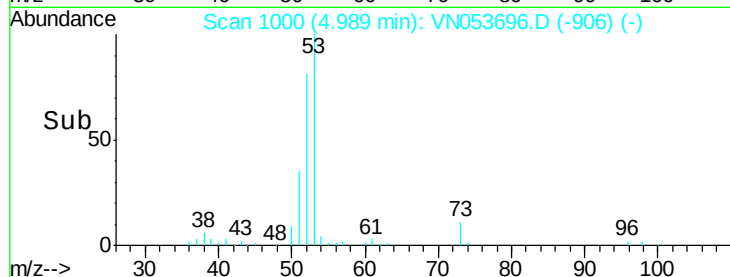
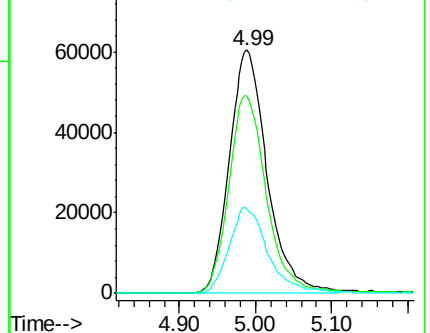
51 35.4 28.3 42.5



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: 97.145 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053696.D

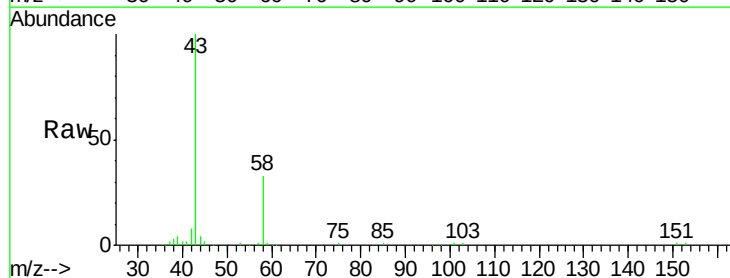
Acq: 11 Feb 2019 11:25

Tgt Ion: 43 Resp: 172593

Ion Ratio Lower Upper

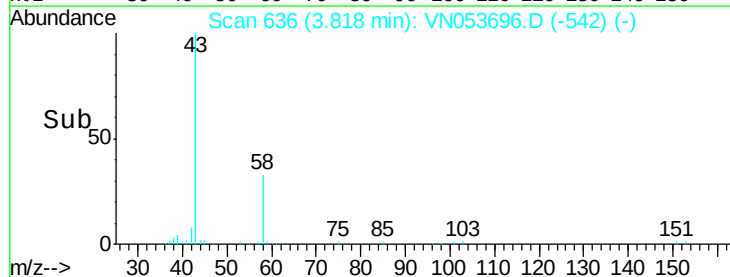
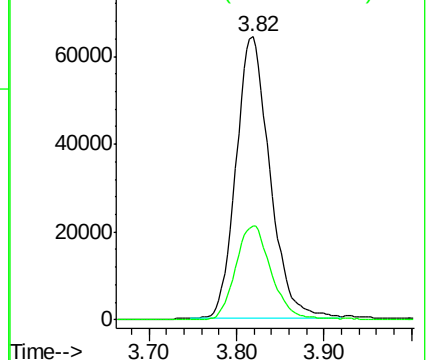
43 100

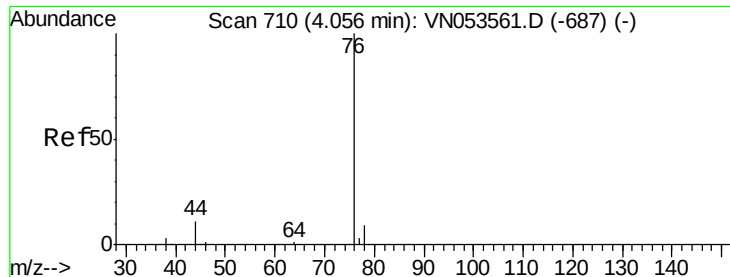
58 33.4 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.729 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

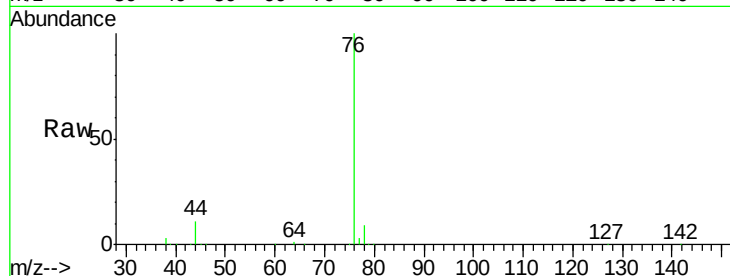
VN0211WBS01

Tot Ion: 76 Resp: 333042

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

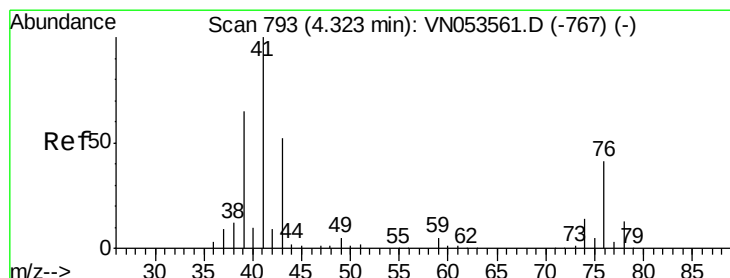
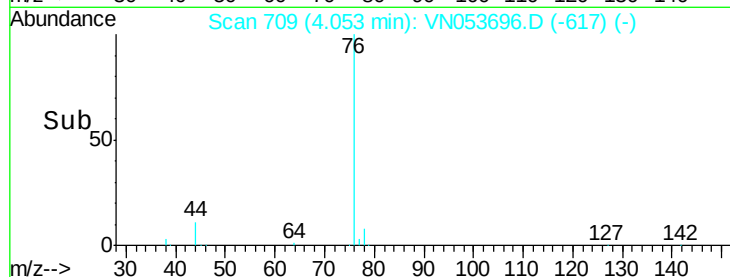
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.867 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053696.D

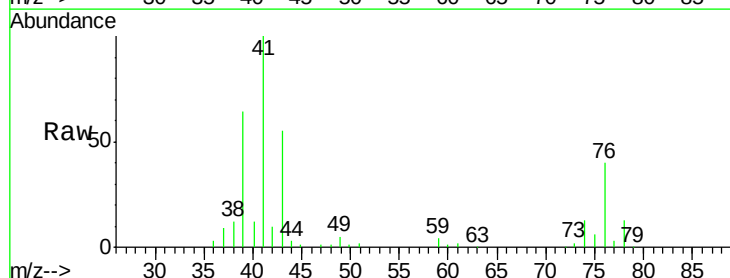
Acq: 11 Feb 2019 11:25

Tgt Ion: 43 Resp: 104531

Ion Ratio Lower Upper

43 100

74 24.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

40000

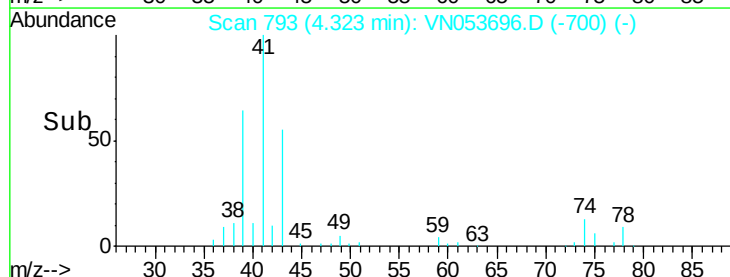
30000

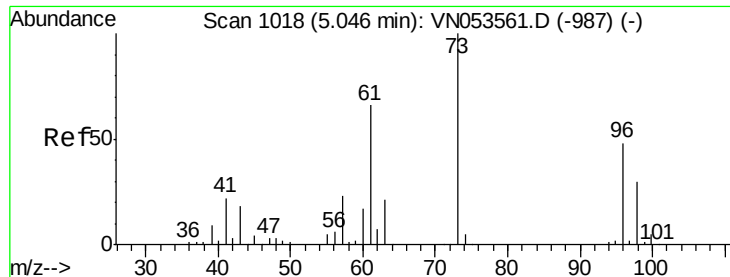
20000

10000

0

Time-->

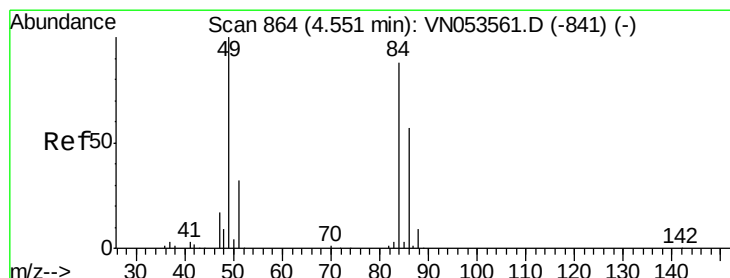
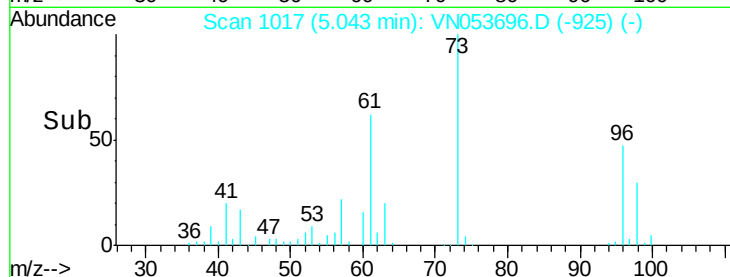
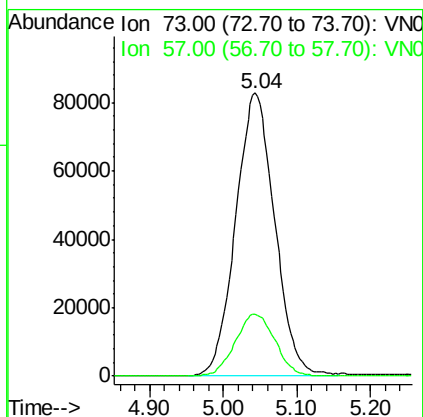
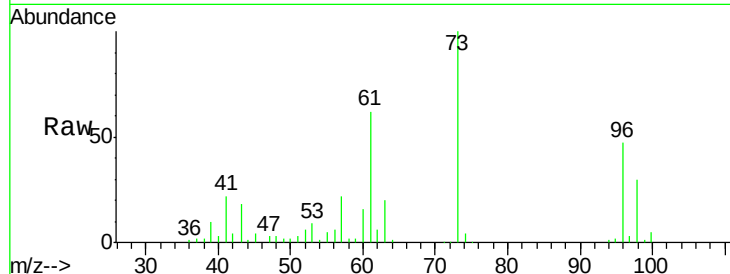




#19
Methyl tert-butyl Ether
Concen: 18.845 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

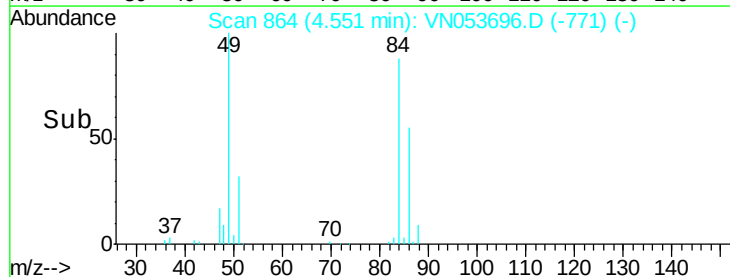
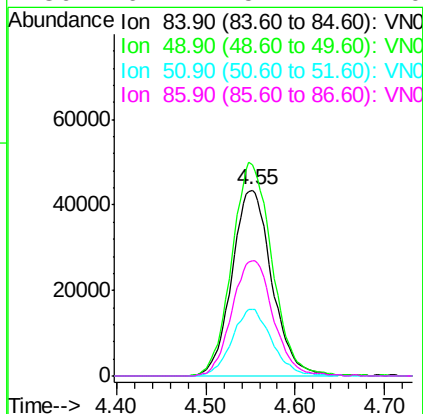
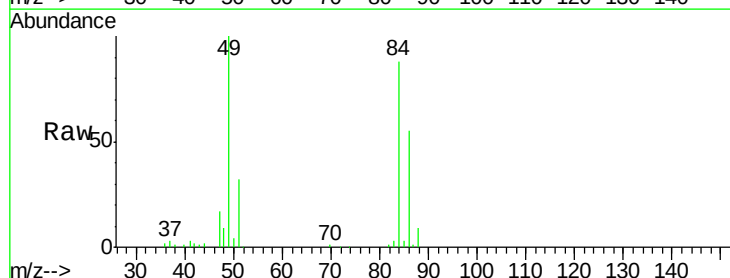
Instrument :
MSVOA_N
ClientSampleId :
VN0211WBS01

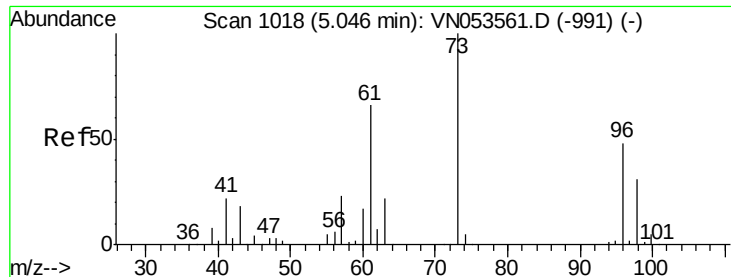
Tot Ion: 73 Resp: 305440
Ion Ratio Lower Upper
73 100
57 21.9 18.3 27.5



#20
Methylene Chloride
Concen: 18.198 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Tgt Ion: 84 Resp: 135645
Ion Ratio Lower Upper
84 100
49 113.7 94.3 141.5
51 36.1 29.4 44.2
86 62.2 51.4 77.0

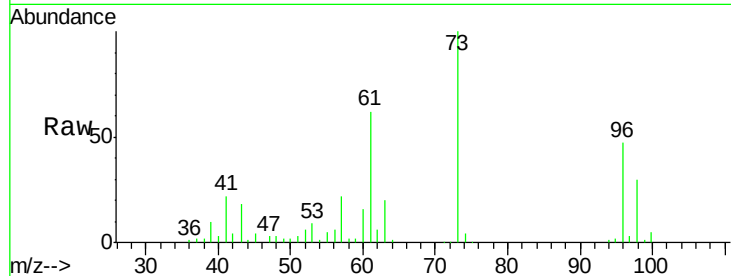




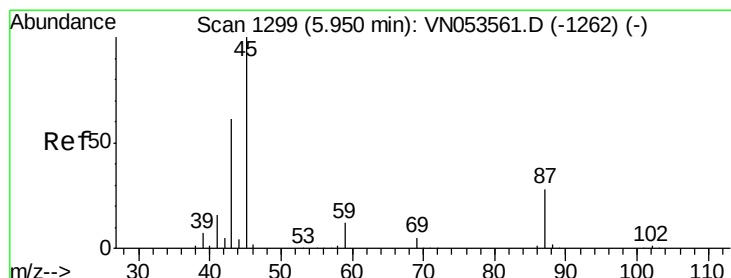
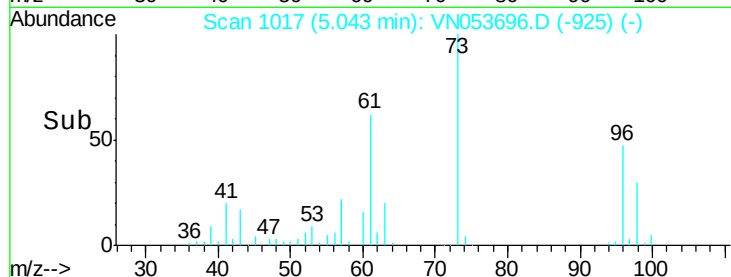
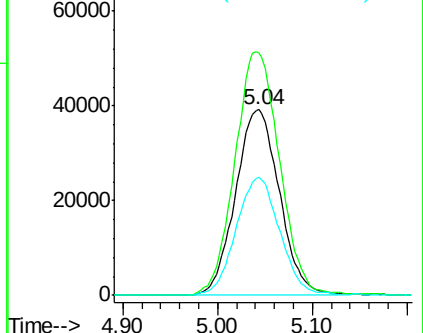
#21
trans-1,2-Dichloroethene
Concen: 18.355 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBS01

Tot Ion: 96 Resp: 126608
Ion Ratio Lower Upper
96 100
61 130.6 110.1 165.1
98 63.6 50.0 75.0

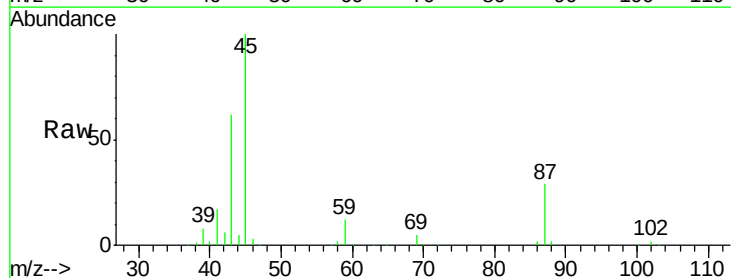


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

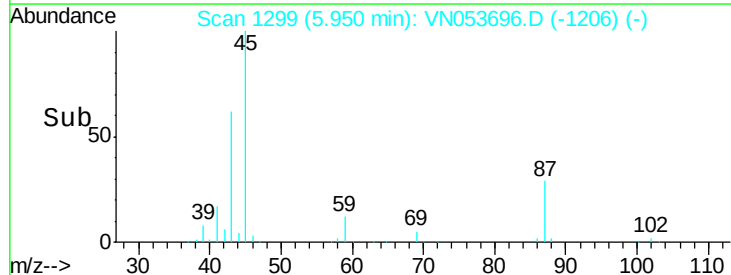
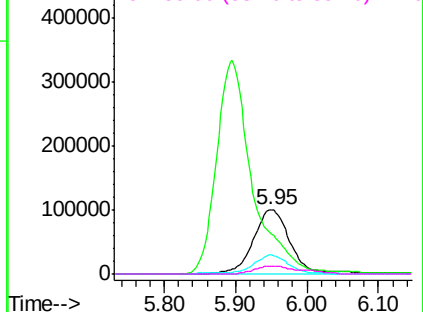


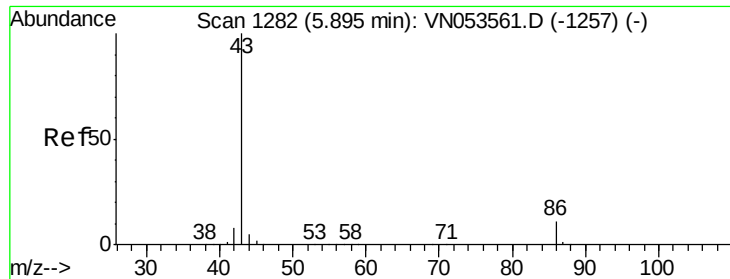
#22
Diisopropyl ether
Concen: 18.752 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Tgt Ion: 45 Resp: 353722
Ion Ratio Lower Upper
45 100
43 60.5 44.2 66.4
87 28.1 22.7 34.1
59 11.5 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: 89.604 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

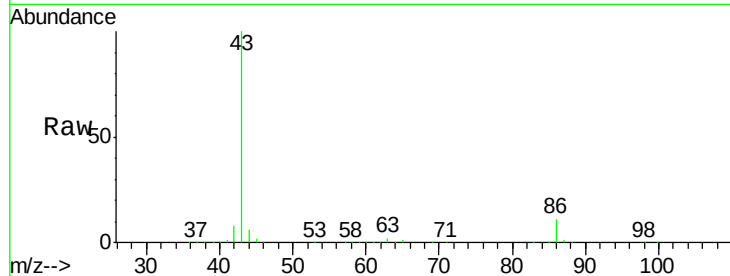
VN0211WBS01

Tot Ion: 43 Resp: 1169243

Ion Ratio Lower Upper

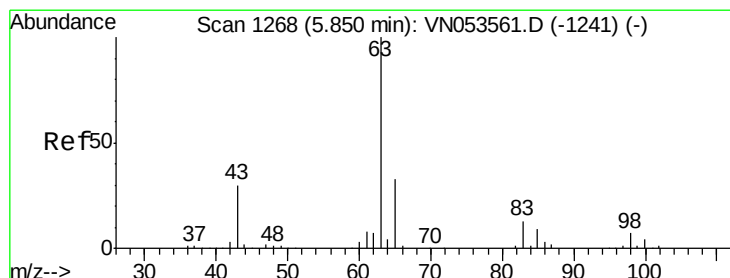
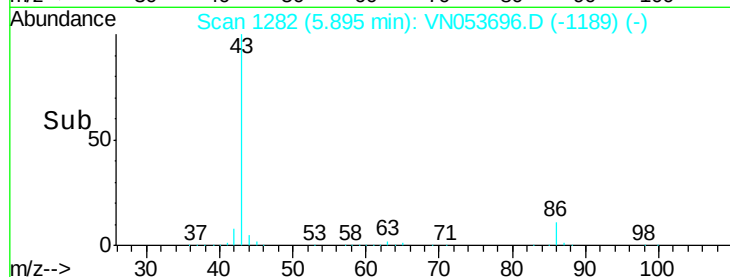
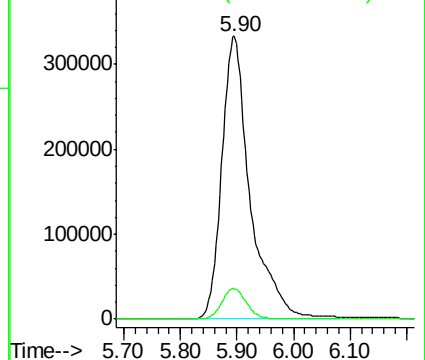
43 100

86 10.7 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.445 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

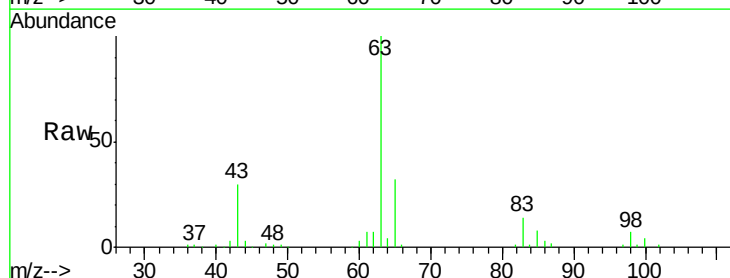
Tgt Ion: 63 Resp: 232060

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

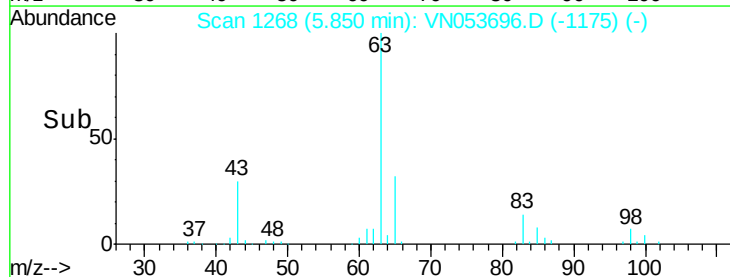
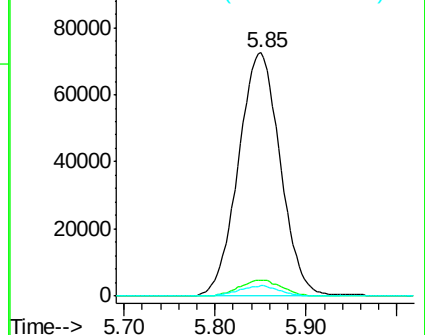
100 4.1 2.1 6.5

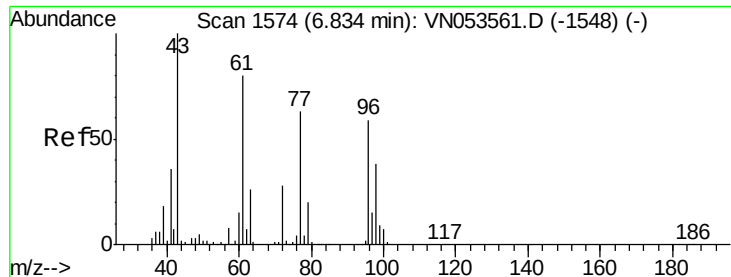


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 94.364 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

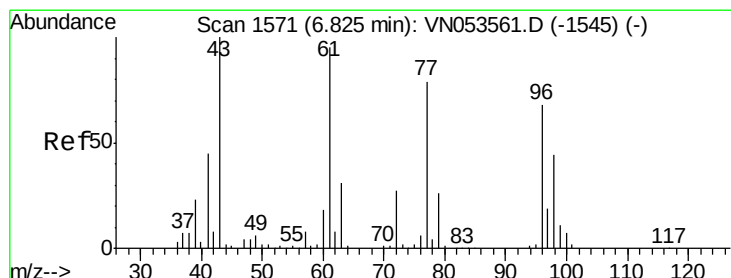
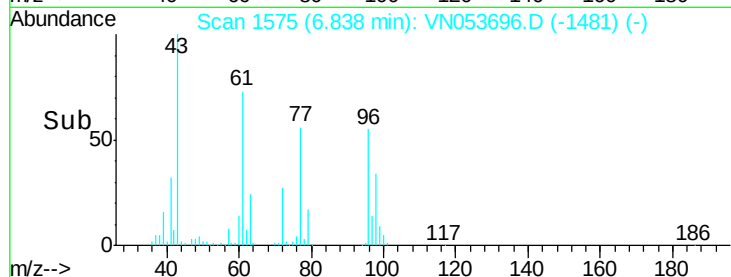
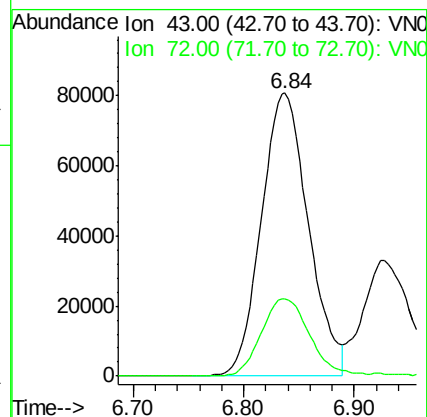
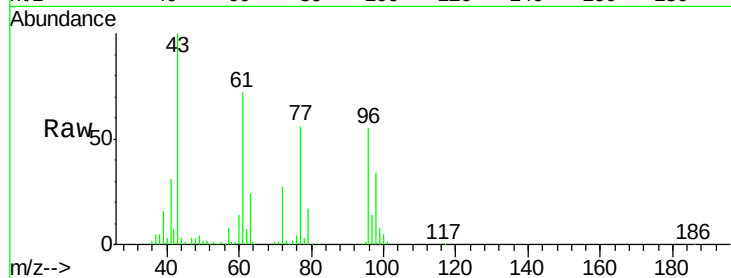
VN0211WBS01

Tot Ion: 43 Resp: 239107

Ion Ratio Lower Upper

43 100

72 27.1 22.0 33.0



#26

2,2-Dichloropropane

Concen: 18.389 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN053696.D

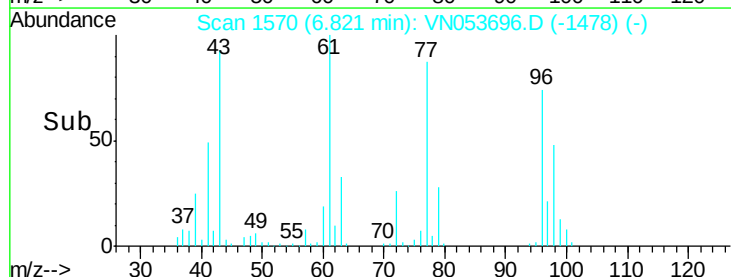
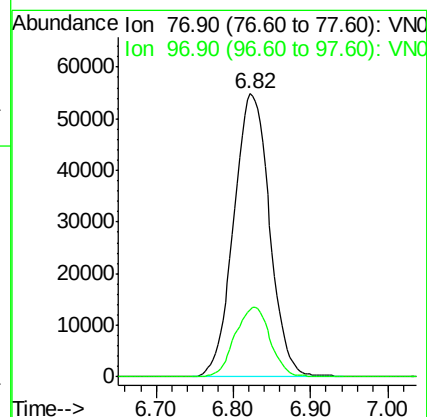
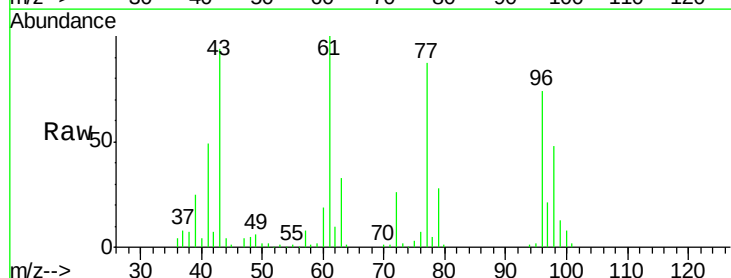
Acq: 11 Feb 2019 11:25

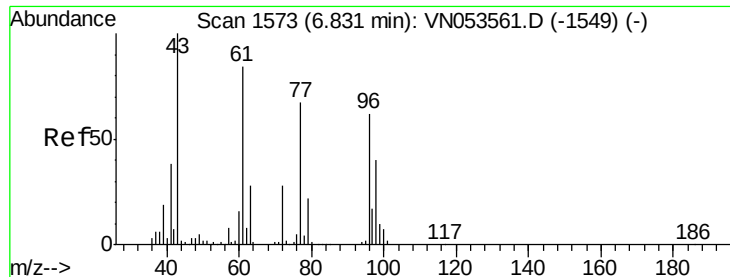
Tgt Ion: 77 Resp: 176609

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 18.748 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBS01

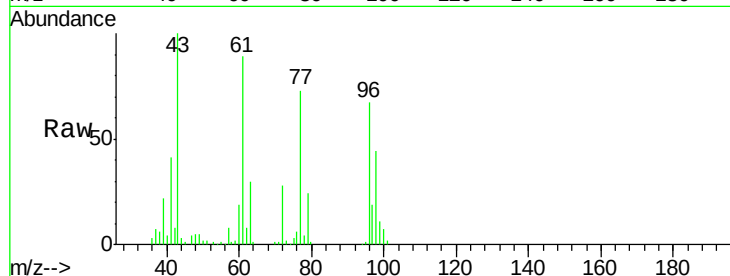
Tot Ion: 96 Resp: 143798

Ion Ratio Lower Upper

96 100

61 136.5 0.0 283.8

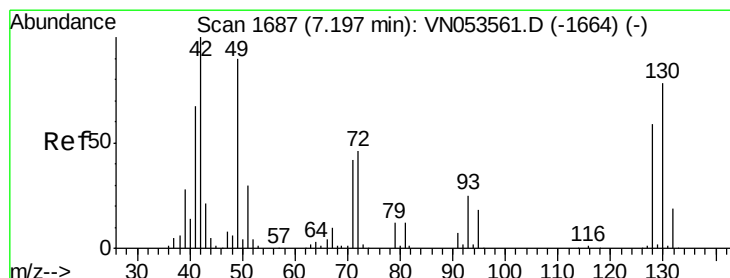
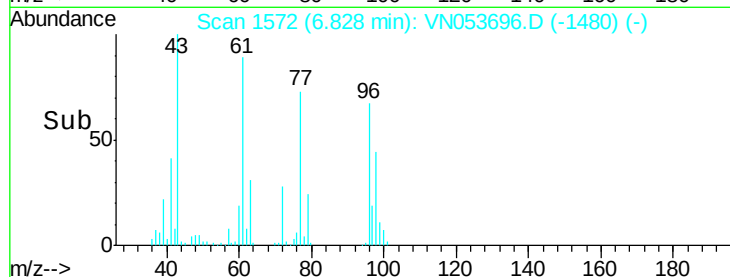
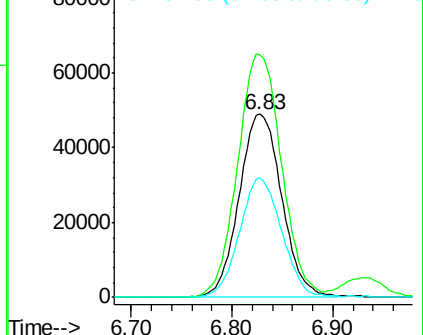
98 64.5 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.288 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

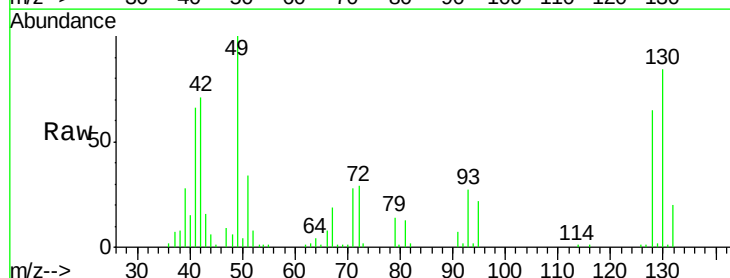
Tgt Ion: 49 Resp: 105309

Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.0

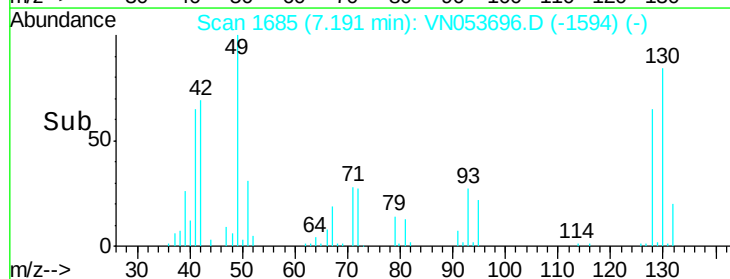
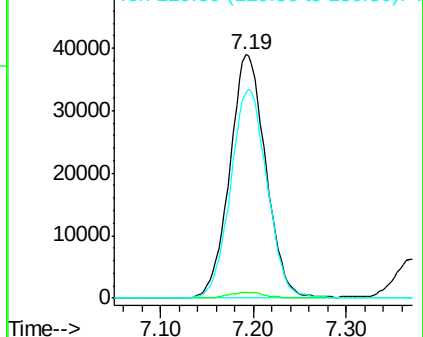
130 86.6 66.3 99.5

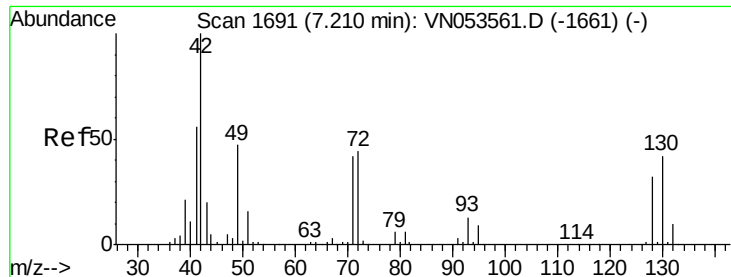


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

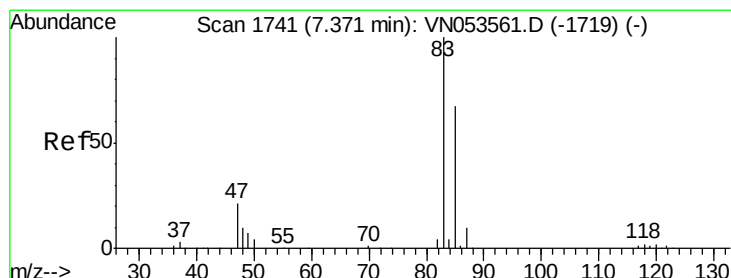
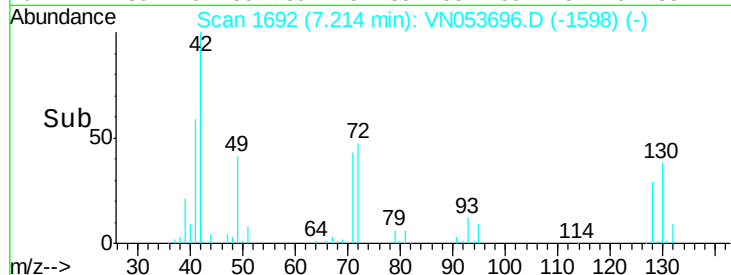
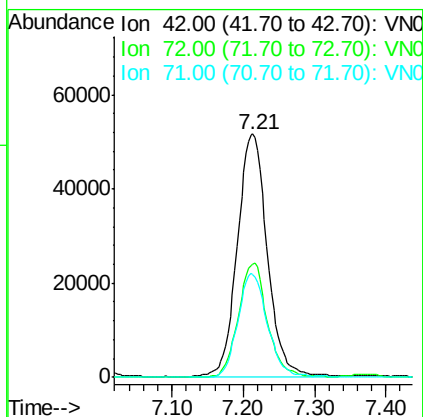
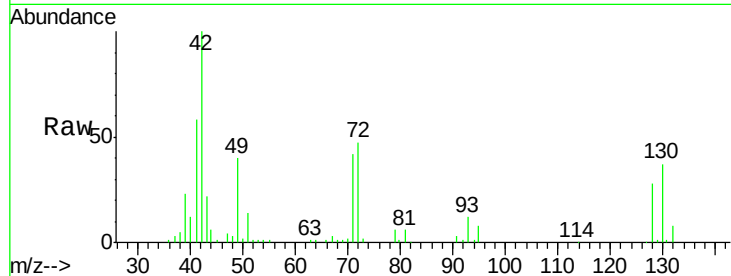




#29
Tetrahydrofuran
Concen: 92.497 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

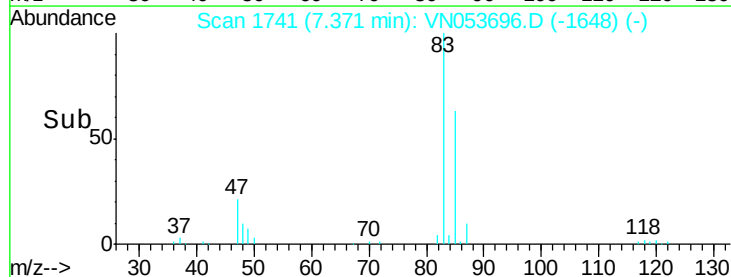
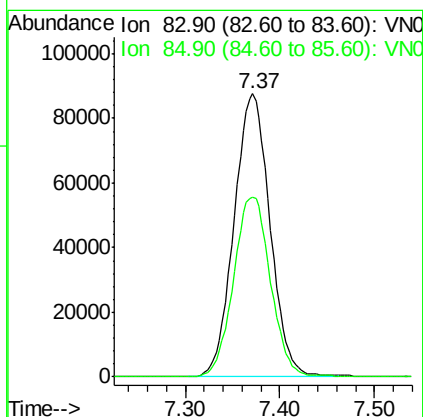
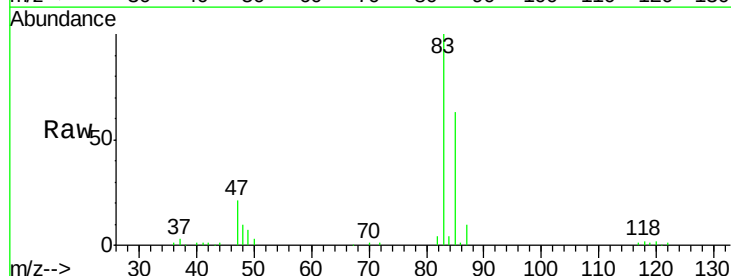
Instrument :
MSVOA_N
ClientSampled :
VN0211WBS01

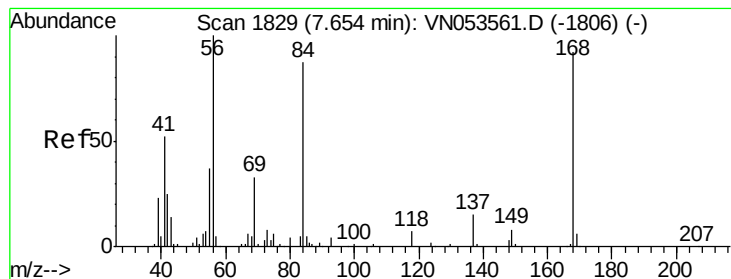
Tot Ion: 42 Resp: 150501
Ion Ratio Lower Upper
42 100
72 45.6 35.2 52.8
71 41.8 33.0 49.4



#30
Chloroform
Concen: 18.534 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Tgt Ion: 83 Resp: 231149
Ion Ratio Lower Upper
83 100
85 63.4 52.2 78.2





#31

Cyclohexane

Concen: 17.699 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBS01

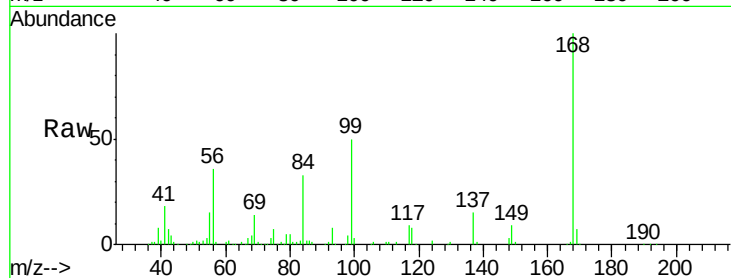
Tot Ion: 56 Resp: 208605

Ion Ratio Lower Upper

56 100

69 38.9 26.4 39.6

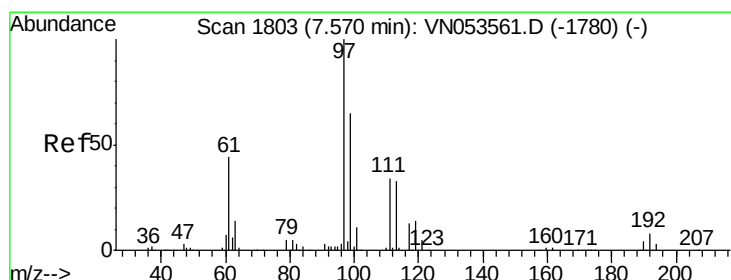
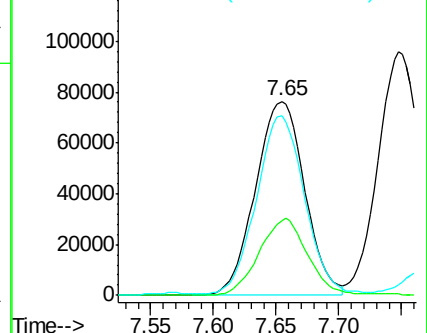
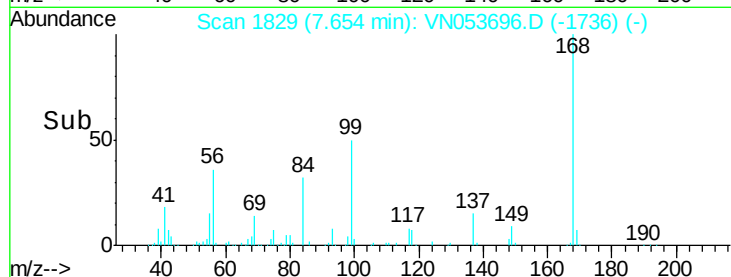
84 91.4 67.9 101.9



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: 18.553 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

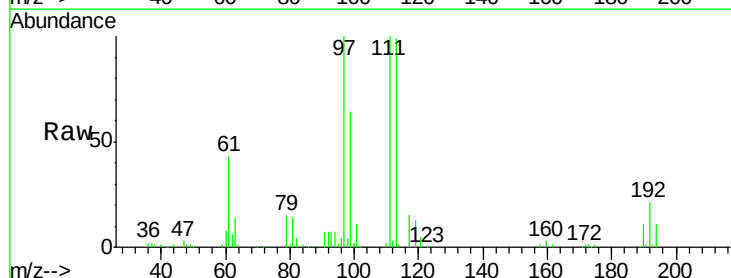
Tgt Ion: 97 Resp: 192561

Ion Ratio Lower Upper

97 100

99 64.1 52.0 78.0

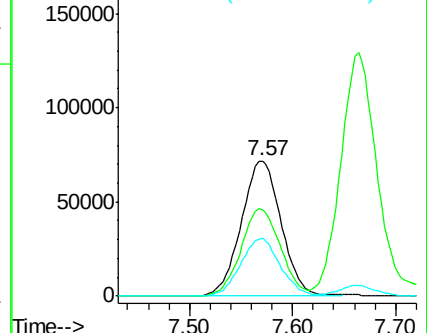
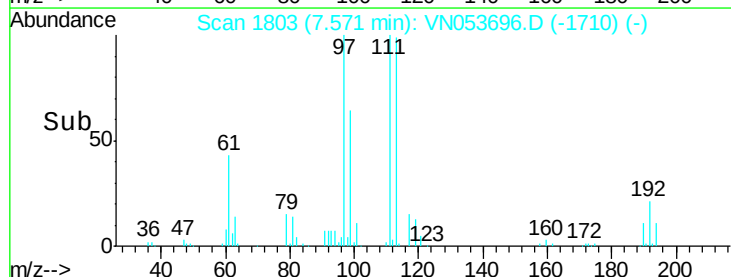
61 42.2 34.4 51.6

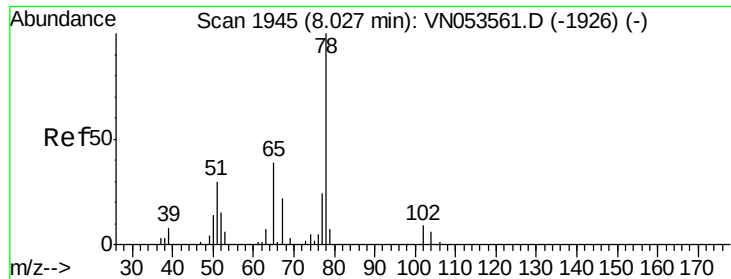


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

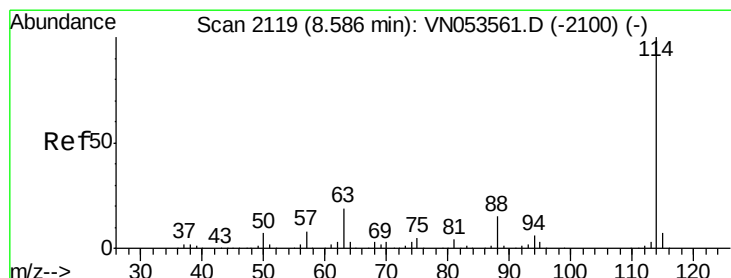
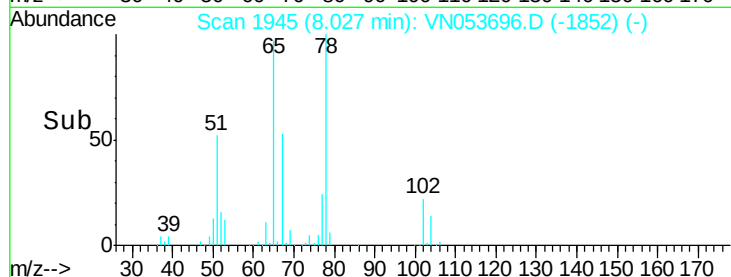
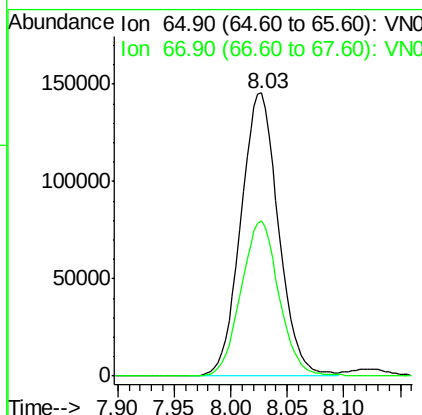
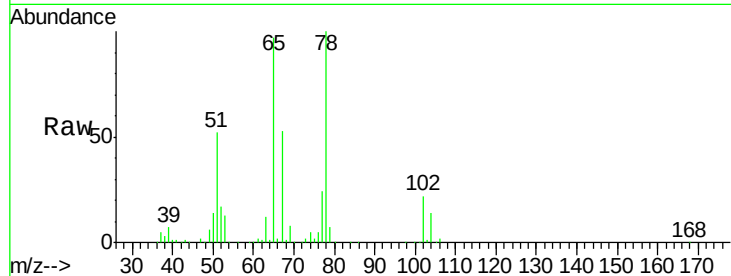




#33
 1,2-Dichloroethane-d4
 Concen: 48.752 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

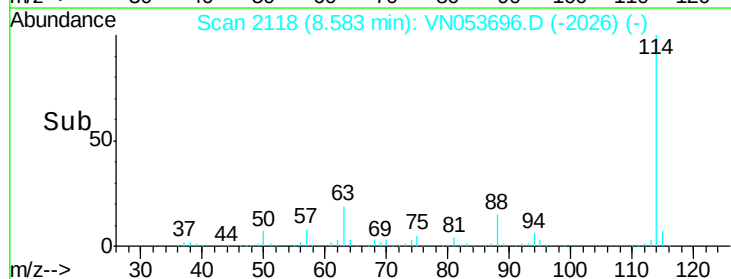
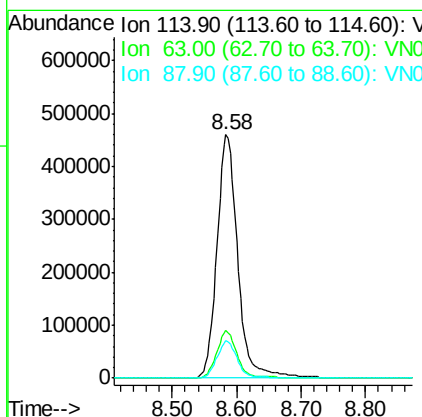
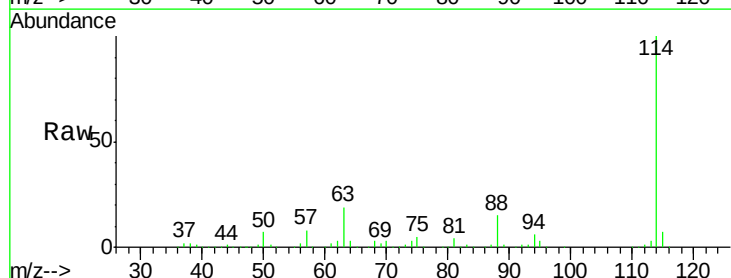
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBS01

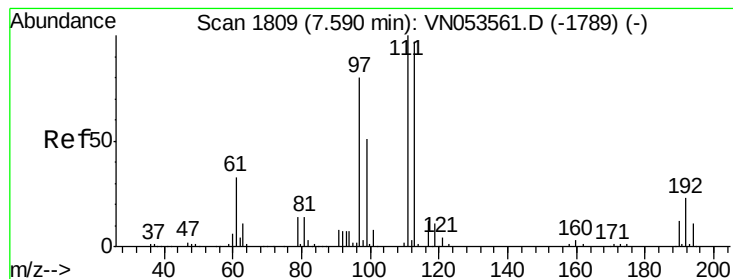
Tot Ion: 65 Resp: 337677
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

Tgt Ion: 114 Resp: 1029663
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.996 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0211WBS01

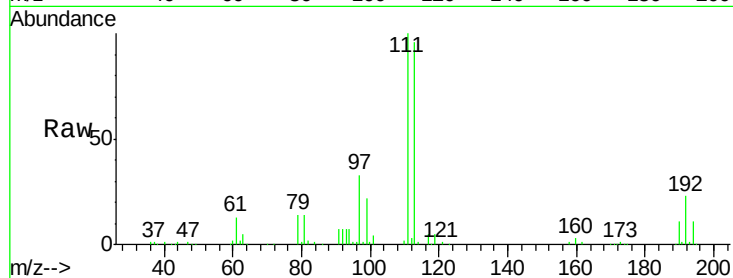
Tot Ion:113 Resp: 325281

Ion Ratio Lower Upper

113 100

111 103.1 81.1 121.7

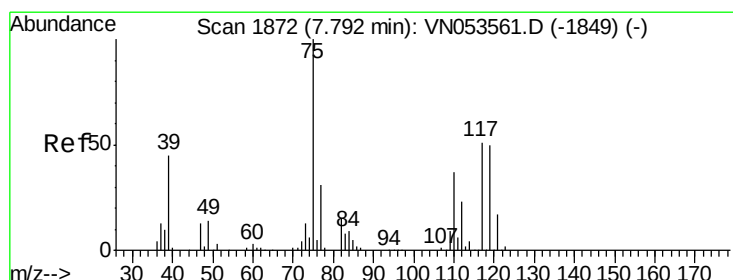
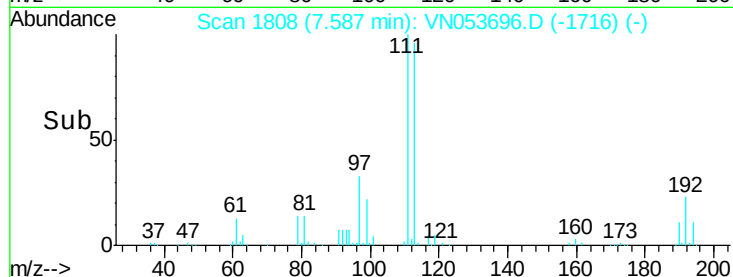
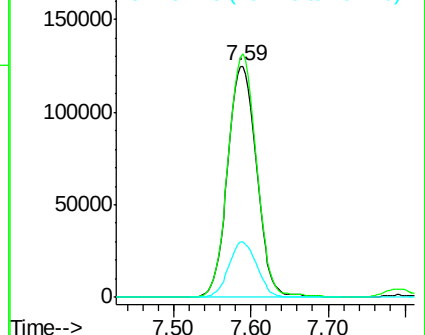
192 23.1 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.435 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

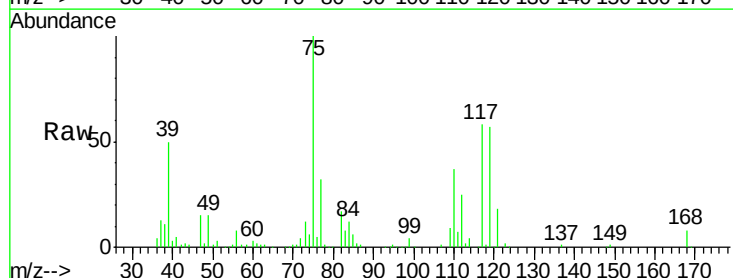
Tgt Ion: 75 Resp: 171107

Ion Ratio Lower Upper

75 100

110 38.5 18.1 54.3

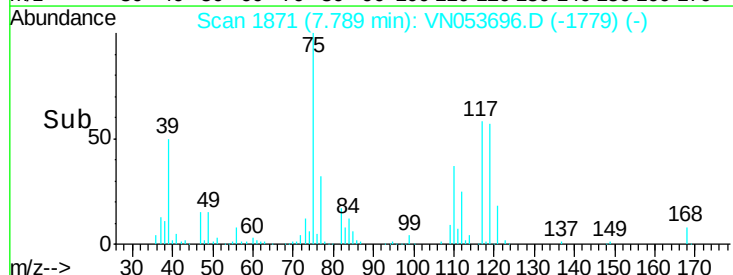
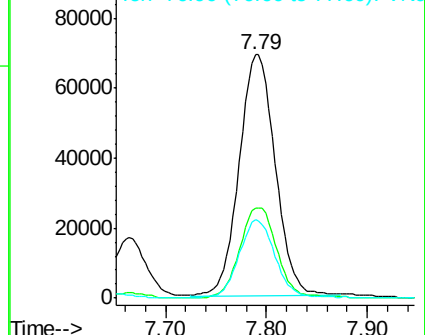
77 32.5 25.1 37.7

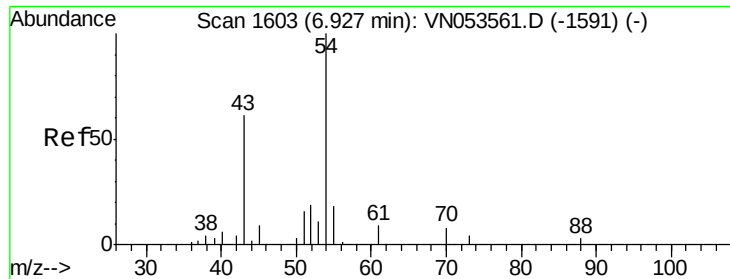


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 17.543 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0211WBS01

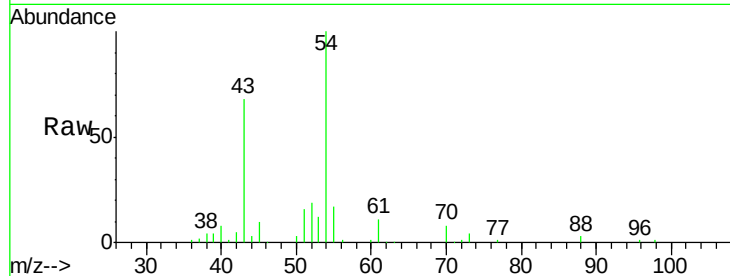
Tot Ion: 43 Resp: 90940

Ion Ratio Lower Upper

43 100

61 16.5 11.8 17.6

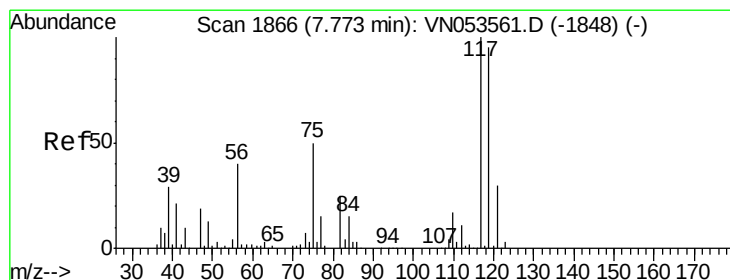
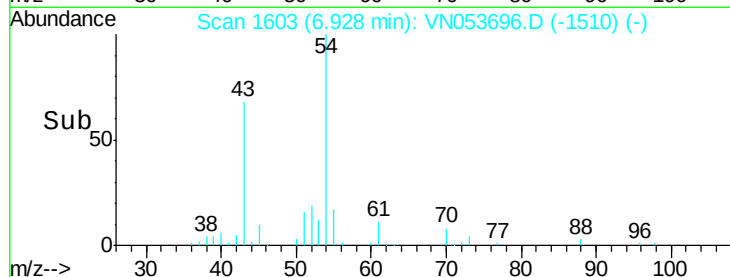
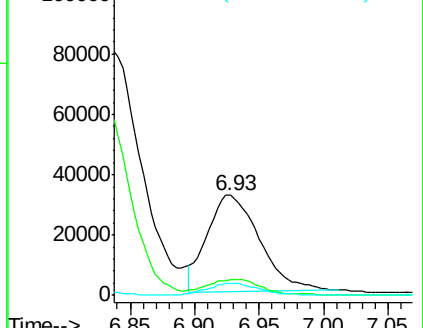
70 12.3 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN053696.D (-1510) (-)

Ion 60.90 (60.60 to 61.60): VN053696.D (-1510) (-)

Ion 70.00 (69.70 to 70.70): VN053696.D (-1510) (-)



#38

Carbon Tetrachloride

Concen: 18.610 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

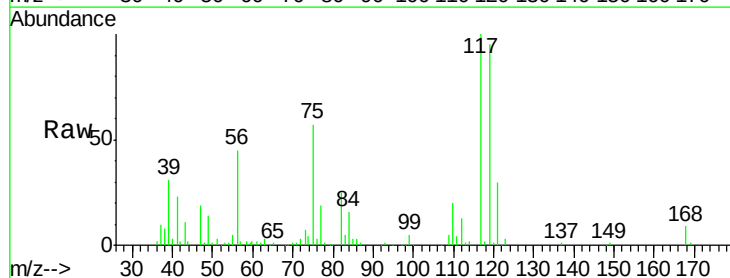
Tgt Ion: 117 Resp: 174006

Ion Ratio Lower Upper

117 100

119 95.5 77.2 115.8

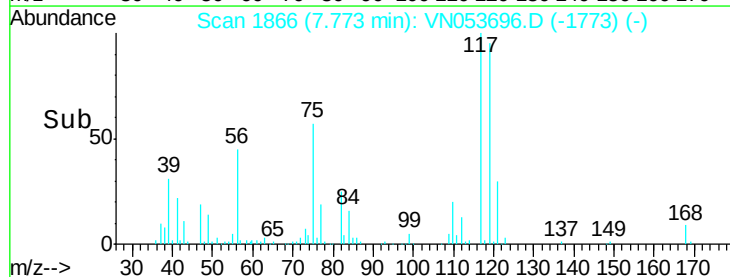
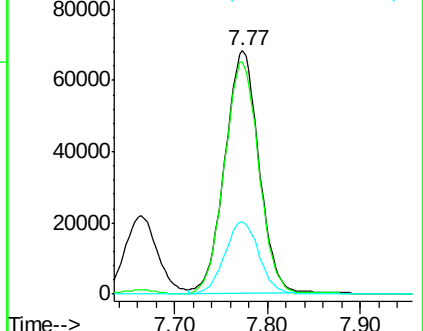
121 29.9 24.6 37.0

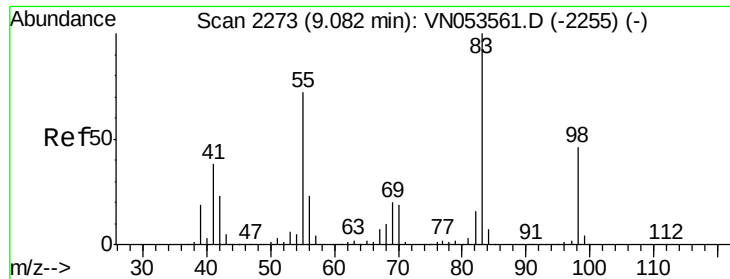


Abundance Ion 116.80 (116.50 to 117.50): VN053696.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053696.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053696.D (-1773) (-)

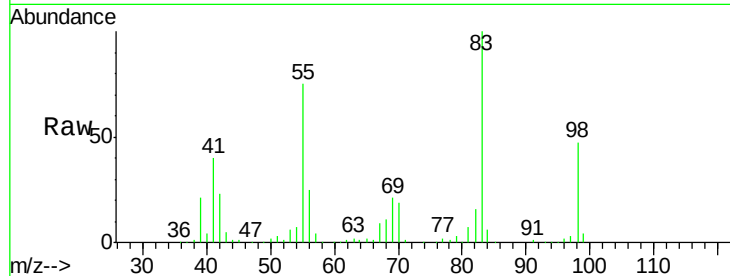




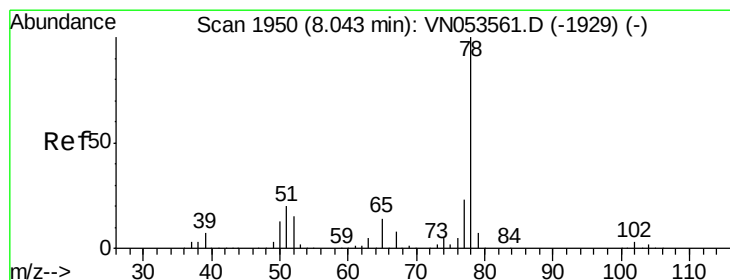
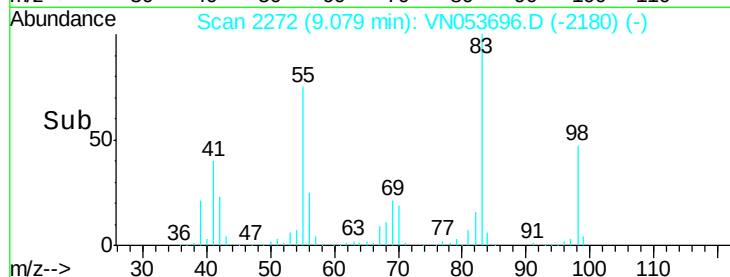
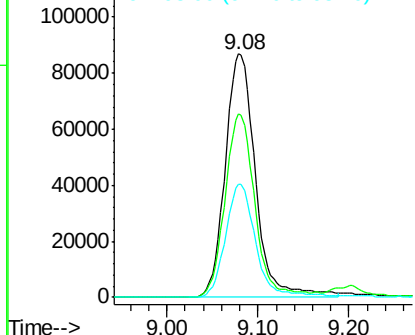
#39
Methylvlcyclohexane
Concen: 18.292 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBS01

Tot Ion: 83 Resp: 201431
Ion Ratio Lower Upper
83 100
55 75.4 60.1 90.1
98 46.7 36.6 55.0

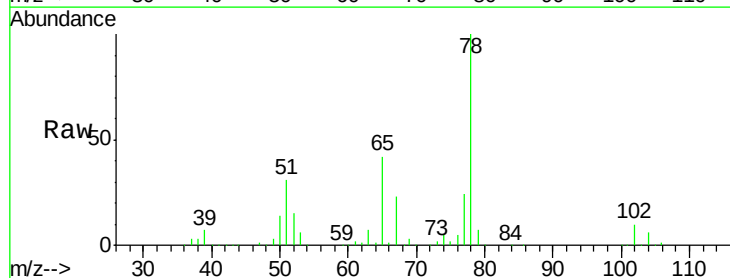


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

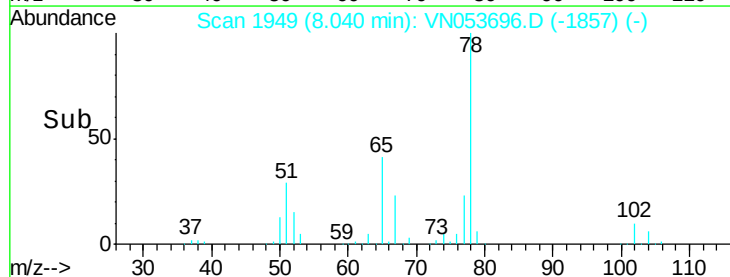
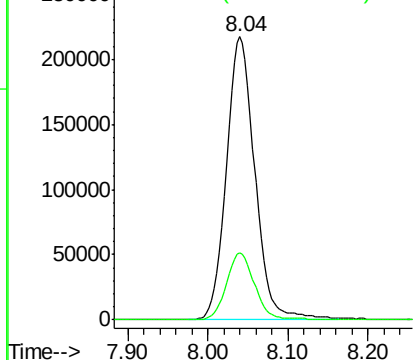


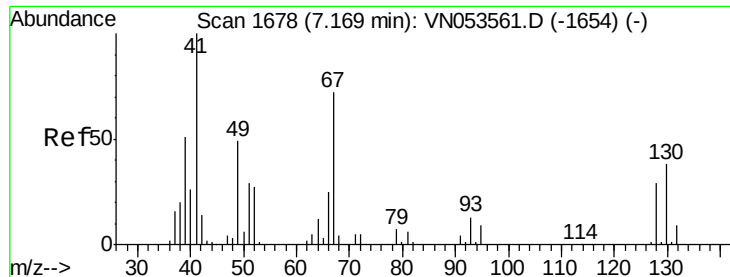
#40
Benzene
Concen: 18.516 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Tgt Ion: 78 Resp: 529969
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

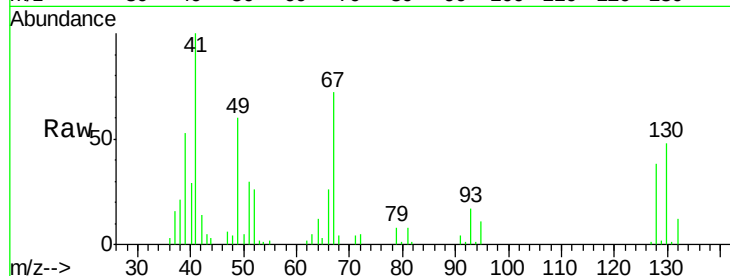




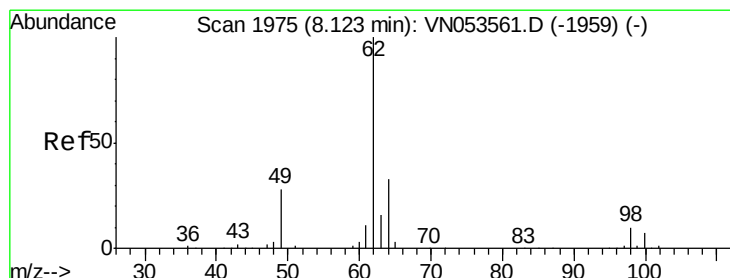
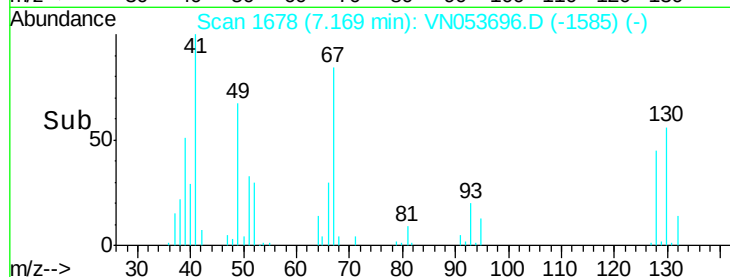
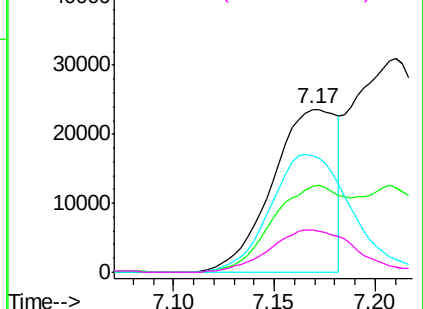
#41
Methacrylonitrile
Concen: 18.100 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBS01

Tot Ion:	41	Resp:	52441
Ion	Ratio	Lower	Upper
41	100		
39	60.5	46.8	70.2
67	91.5	63.0	94.6
52	34.6	23.8	35.8

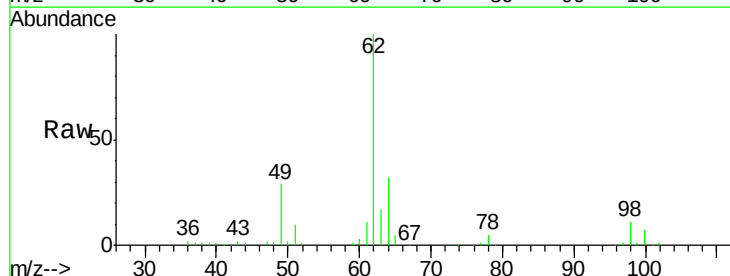


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

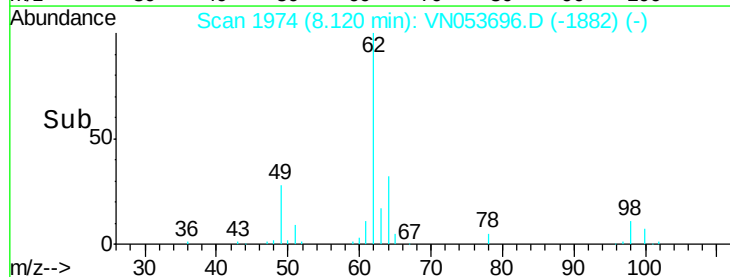
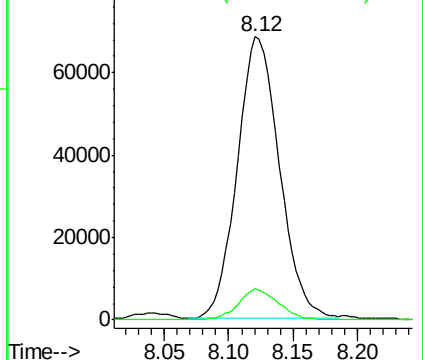


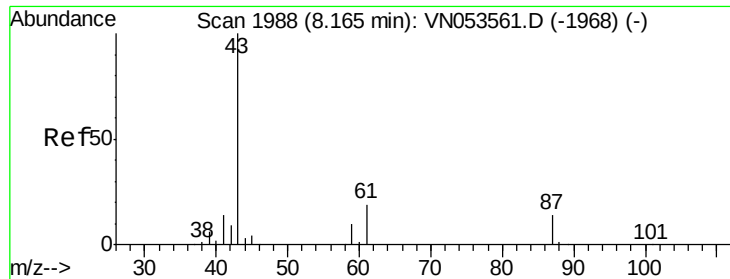
#42
1,2-Dichloroethane
Concen: 18.335 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Tgt Ion:	62	Resp:	155827
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 16.866 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBS01

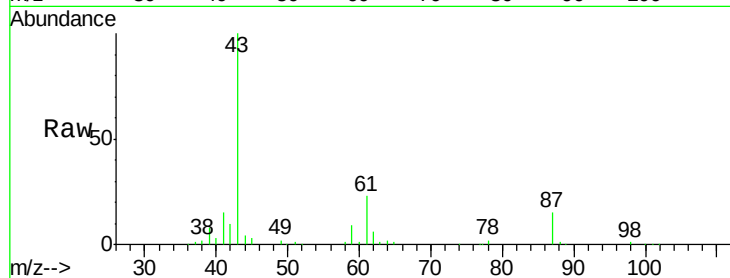
Tot Ion: 43 Resp: 168848

Ion Ratio Lower Upper

43 100

61 30.4 23.9 35.9

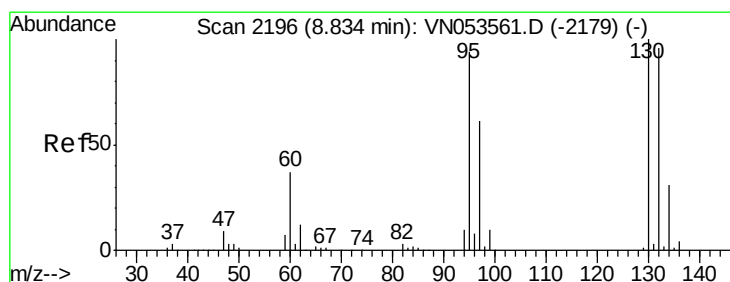
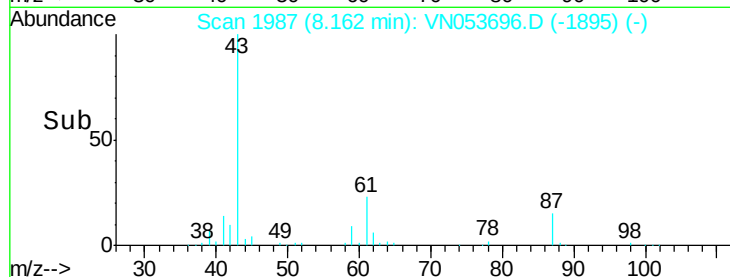
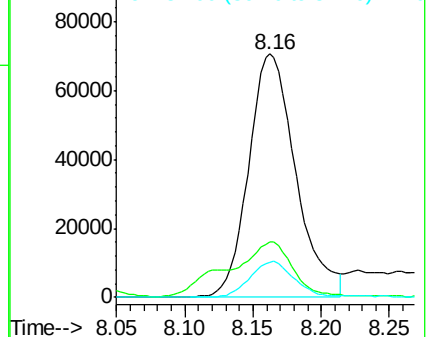
87 13.7 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN053561.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN053561.D (-1968) (-)



#44

Trichloroethene

Concen: 18.263 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053696.D

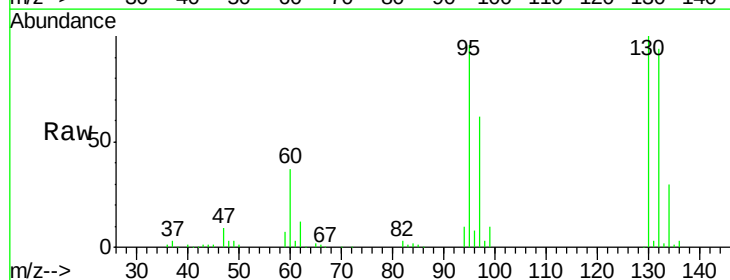
Acq: 11 Feb 2019 11:25

Tgt Ion:130 Resp: 148819

Ion Ratio Lower Upper

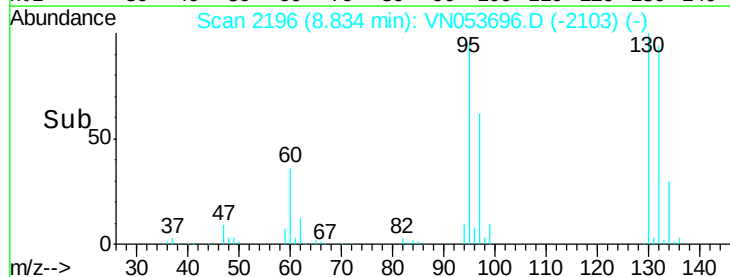
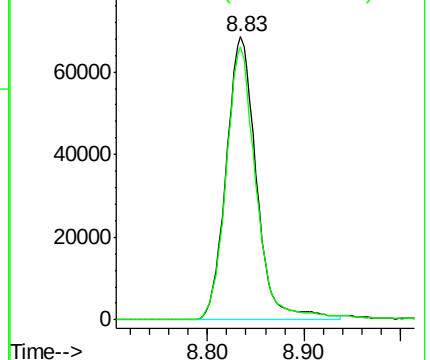
130 100

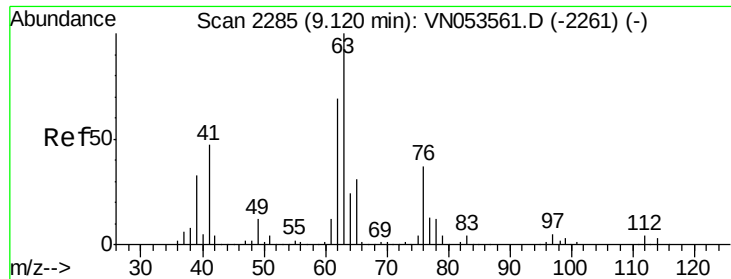
95 96.4 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053561.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053561.D (-2179) (-)

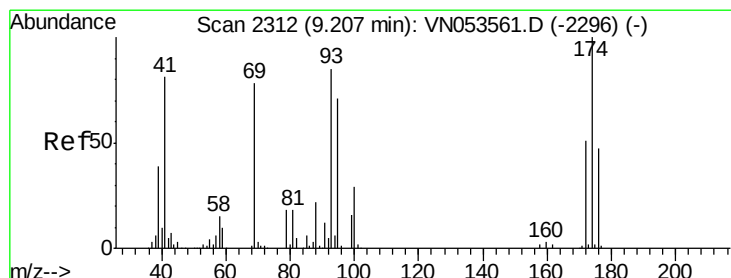
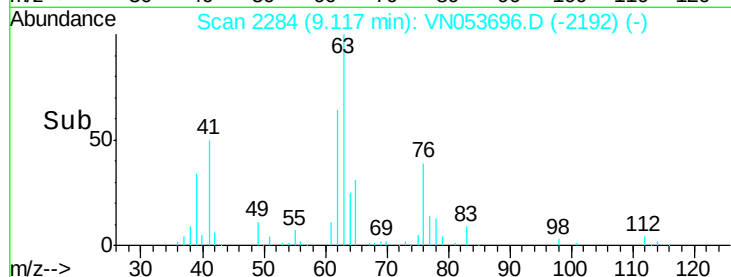
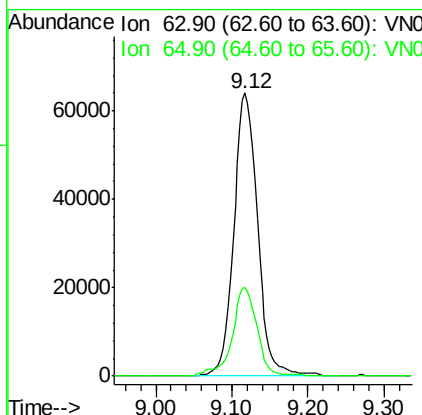
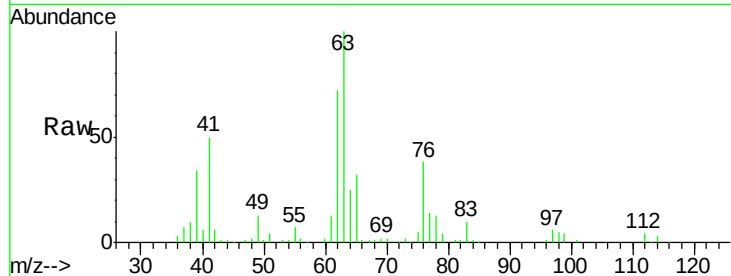




#45
 1,2-Dichloropropane
 Concen: 19.026 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

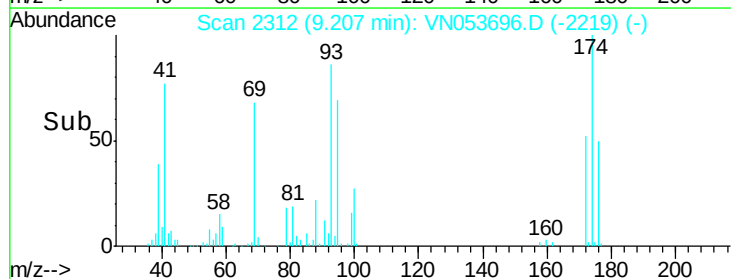
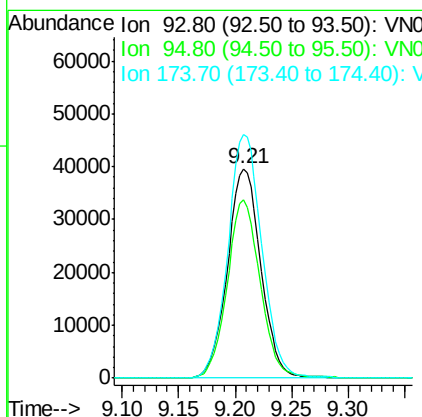
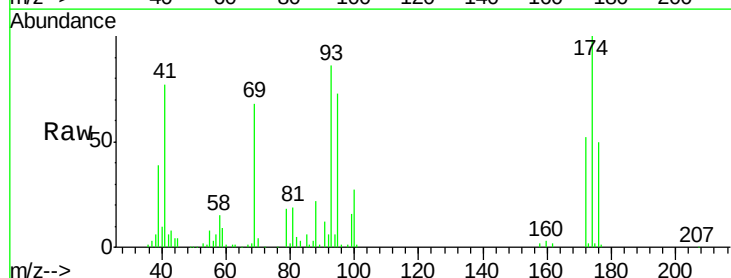
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBS01

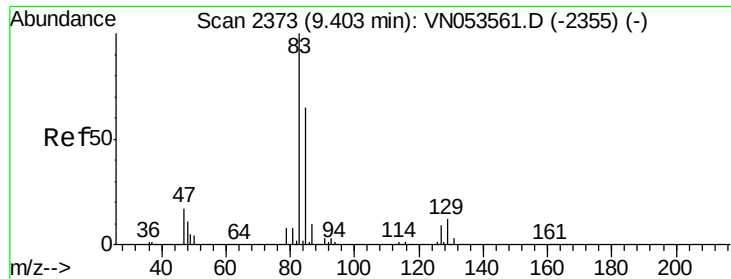
Tot Ion: 63 Resp: 139287
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.4



#46
 Dibromomethane
 Concen: 18.488 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

Tgt Ion: 93 Resp: 81590
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.3 100.9
 174 118.3 91.0 136.4

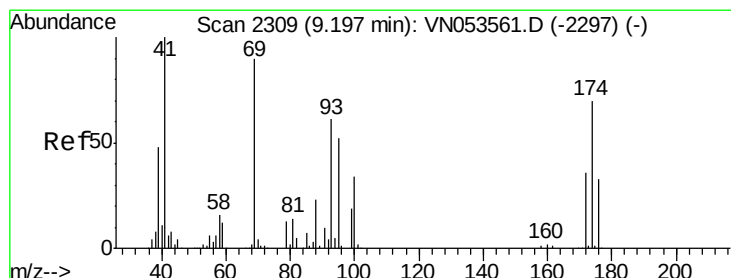
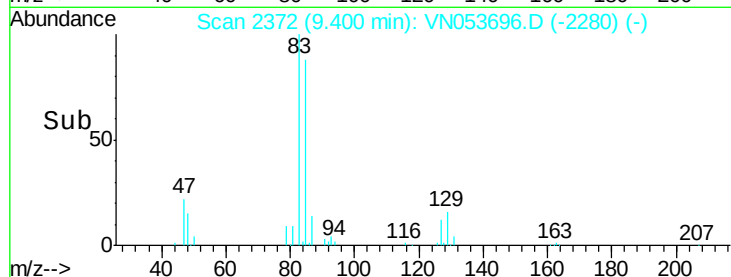
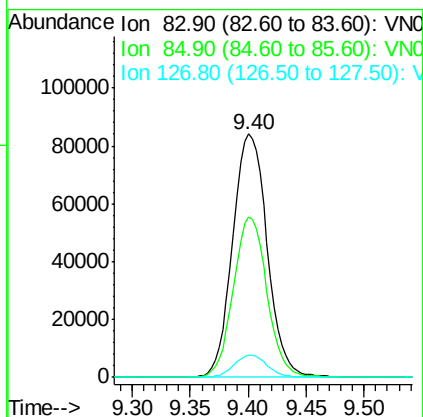
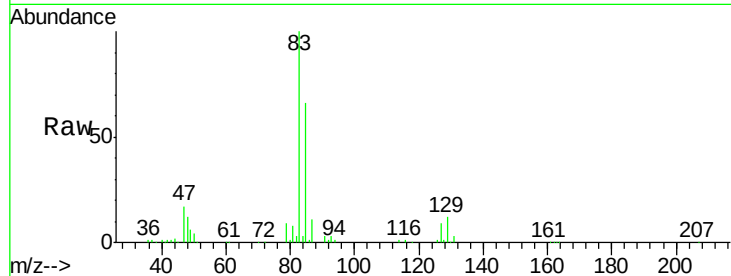




#47
Bromodichloromethane
Concen: 19.000 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

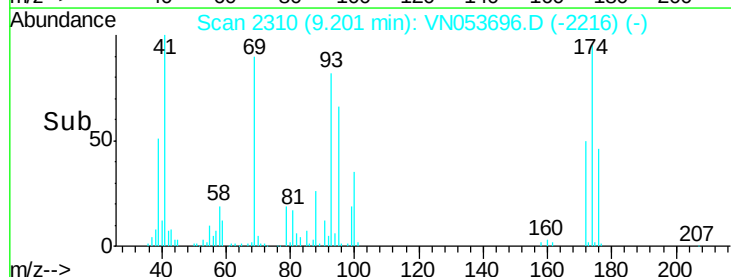
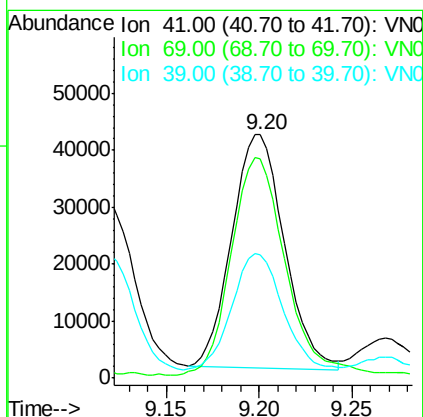
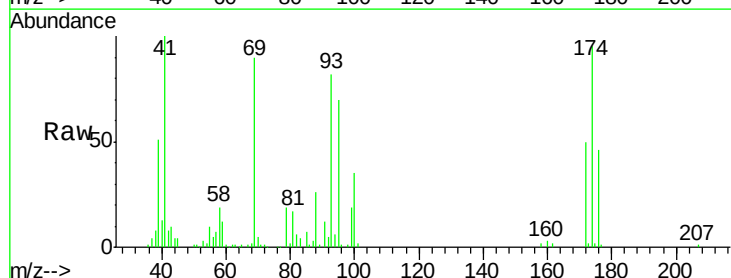
Instrument :
MSVOA_N
ClientSampleId :
VN0211WBS01

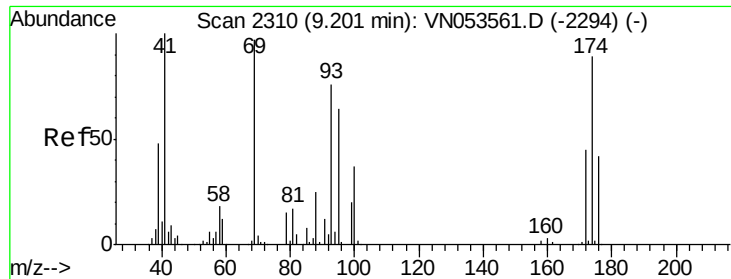
Tot Ion: 83 Resp: 174338
Ion Ratio Lower Upper
83 100
85 65.9 51.0 76.6
127 9.0 7.0 10.6



#48
Methyl methacrylate
Concen: 16.873 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Tgt Ion: 41 Resp: 80633
Ion Ratio Lower Upper
41 100
69 99.9 73.8 110.6
39 56.4 40.0 60.0

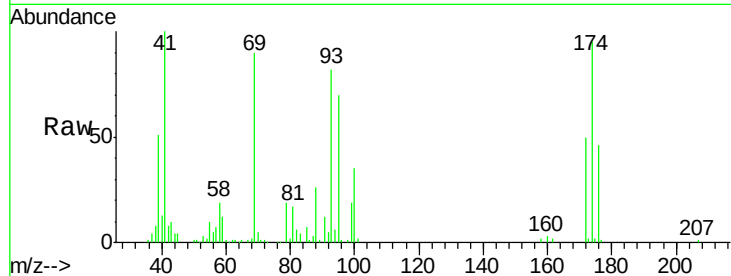




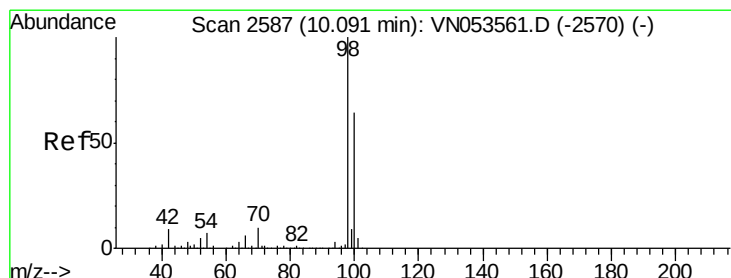
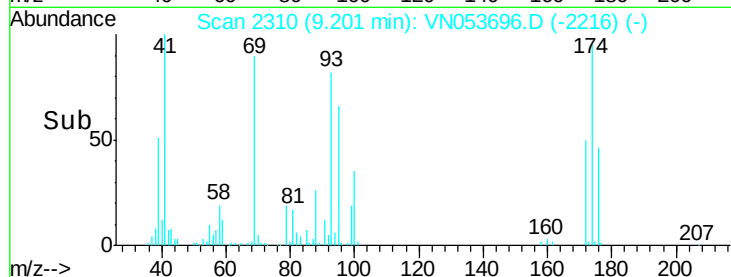
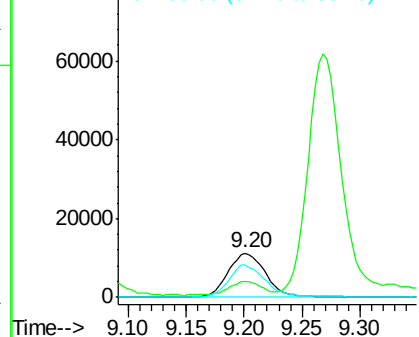
#49
1,4-Dioxane
Concen: 391.683 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBS01

Tot Ion: 88 Resp: 25408
Ion Ratio Lower Upper
88 100
43 25.7 27.8 41.6#
58 70.0 56.5 84.7

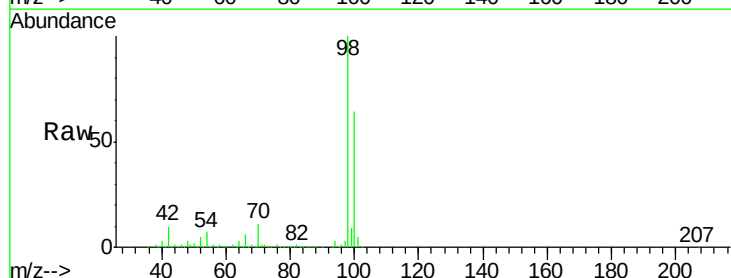


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

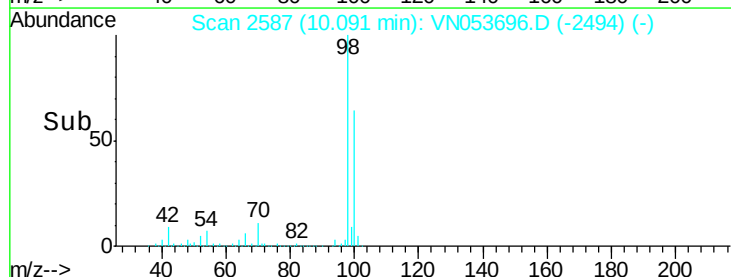
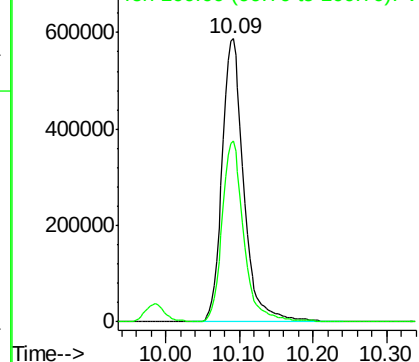


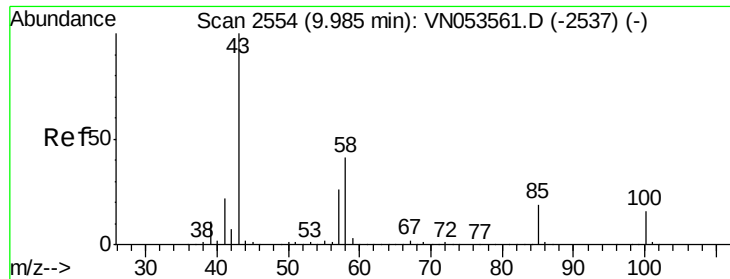
#50
Toluene-d8
Concen: 49.163 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Tgt Ion: 98 Resp: 1201020
Ion Ratio Lower Upper
98 100
100 64.0 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: 91.513 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

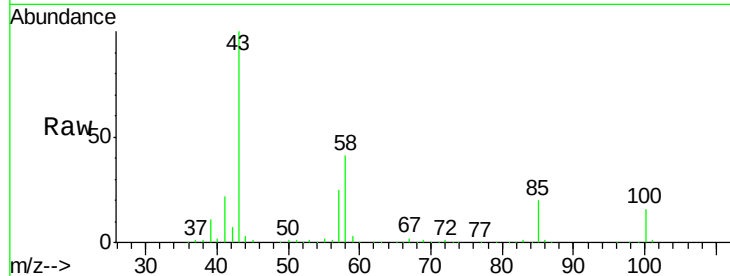
VN0211WBS01

Tot Ion: 43 Resp: 450204

Ion Ratio Lower Upper

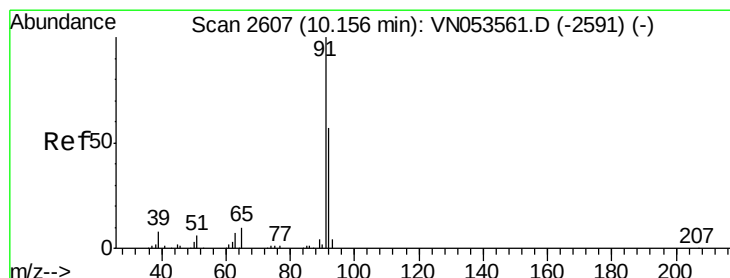
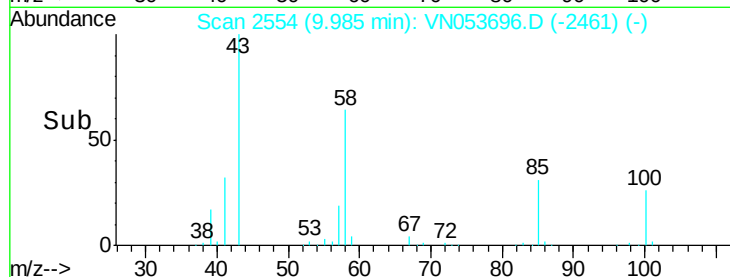
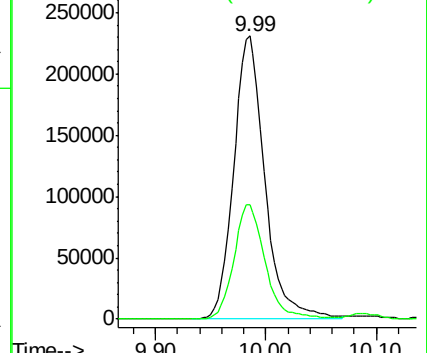
43 100

58 40.8 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: 18.958 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053696.D

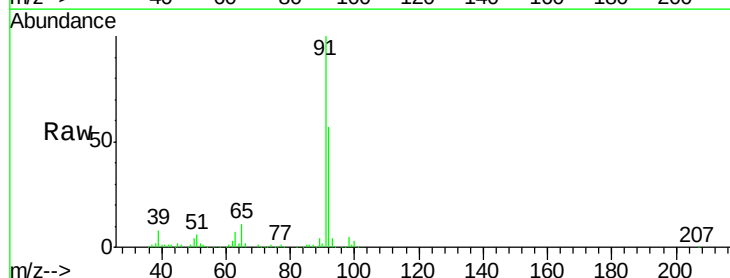
Acq: 11 Feb 2019 11:25

Tgt Ion: 92 Resp: 322048

Ion Ratio Lower Upper

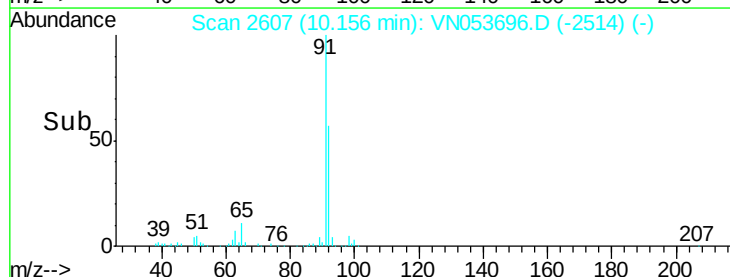
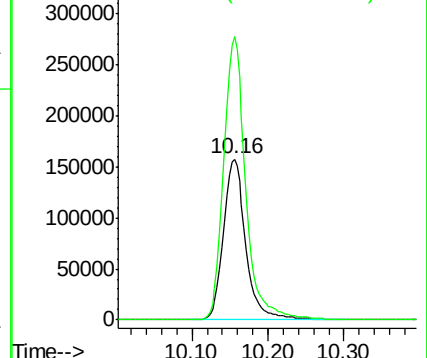
92 100

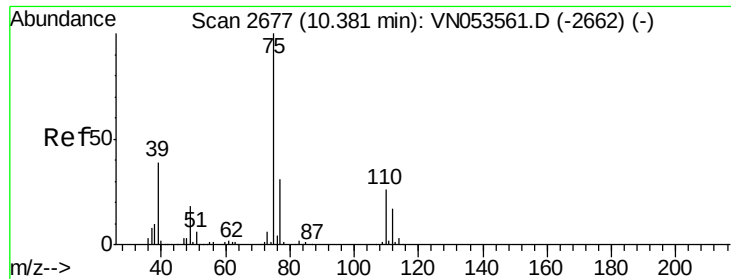
91 174.1 139.9 209.9



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: 17.938 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

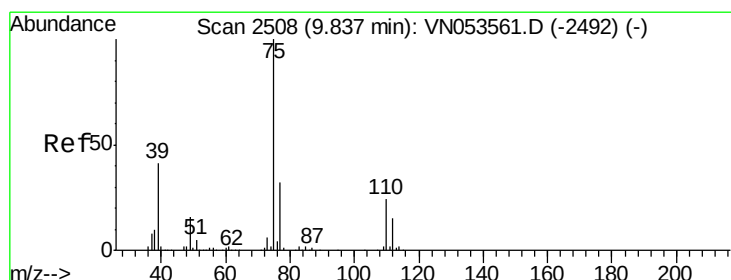
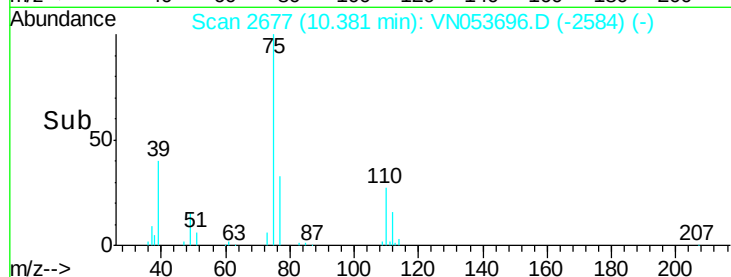
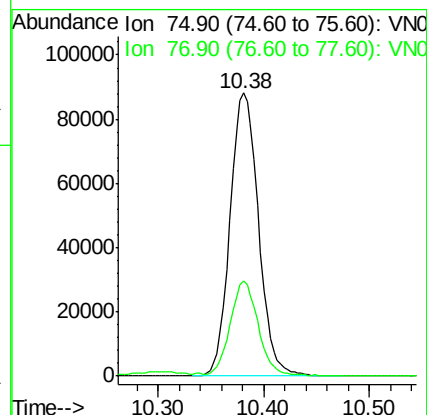
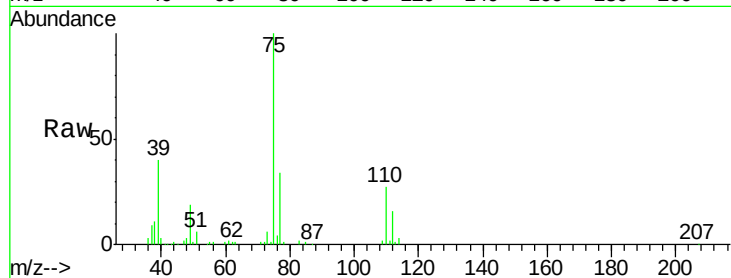
VN0211WBS01

Tot Ion: 75 Resp: 164821

Ion Ratio Lower Upper

75 100

77 33.3 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 18.681 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

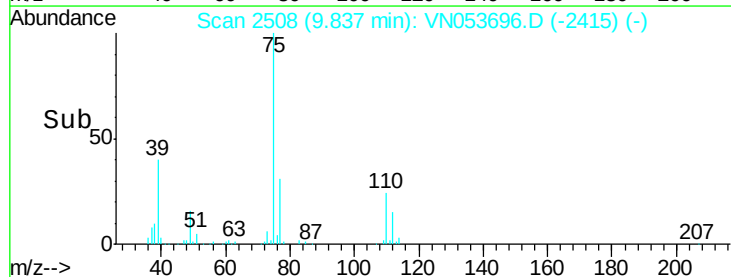
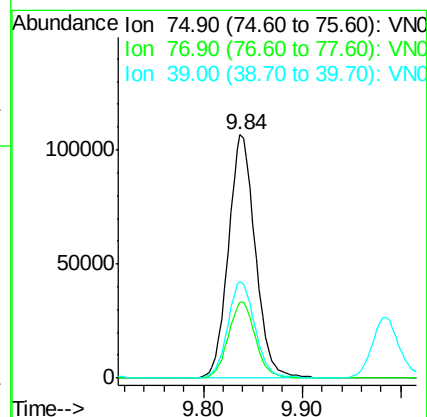
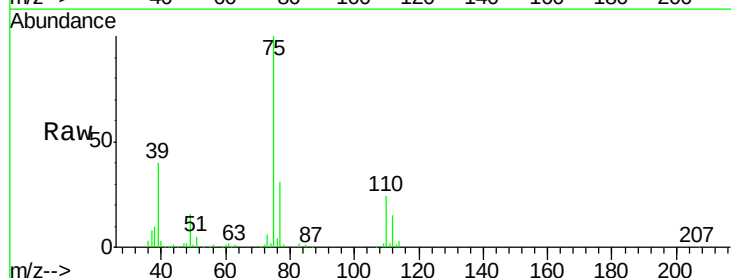
Tgt Ion: 75 Resp: 203401

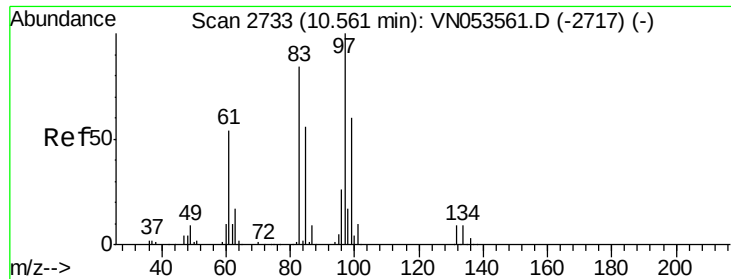
Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6

39 39.6 33.4 50.0

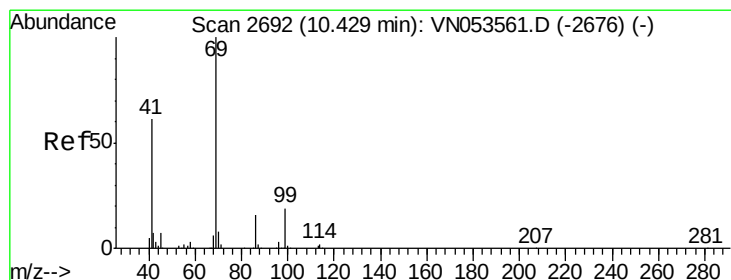
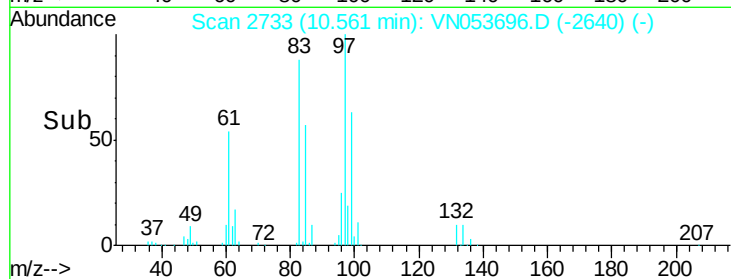
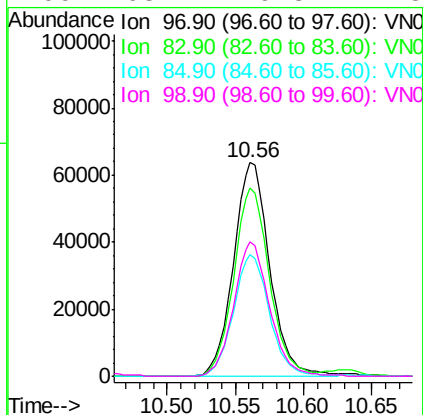
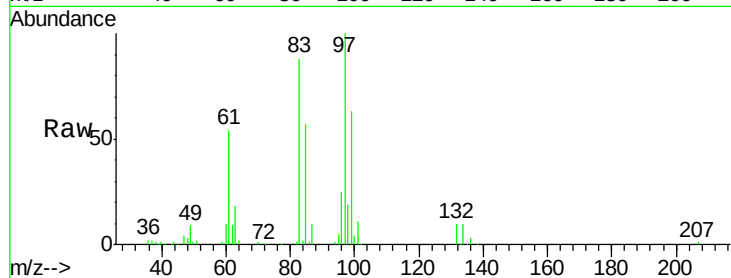




#55
 1,1,2-Trichloroethane
 Concen: 19.166 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

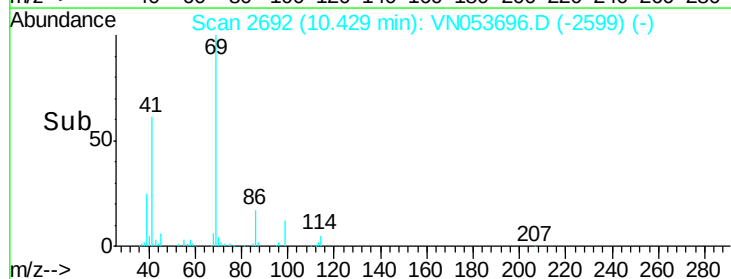
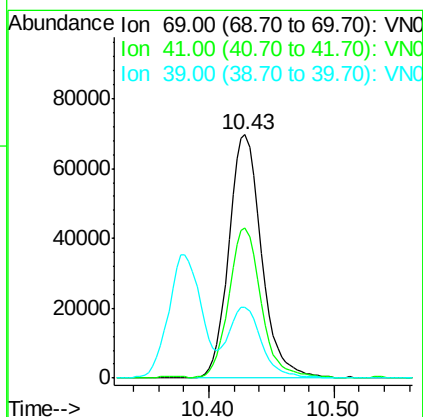
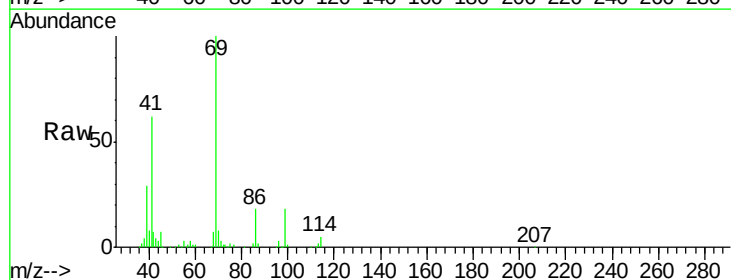
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBS01

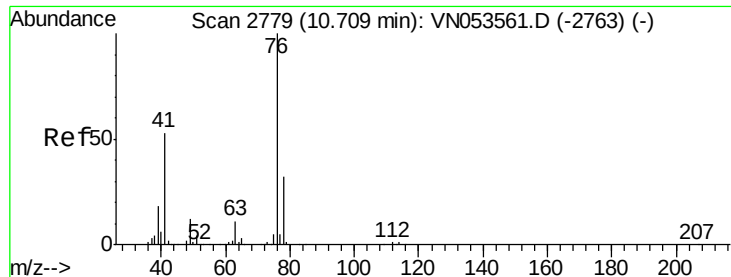
Tot Ion: 97 Resp: 117318
 Ion Ratio Lower Upper
 97 100
 83 88.3 70.1 105.1
 85 56.7 45.4 68.0
 99 63.1 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 17.470 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

Tgt Ion: 69 Resp: 126508
 Ion Ratio Lower Upper
 69 100
 41 59.9 49.4 74.0
 39 29.6 23.3 34.9

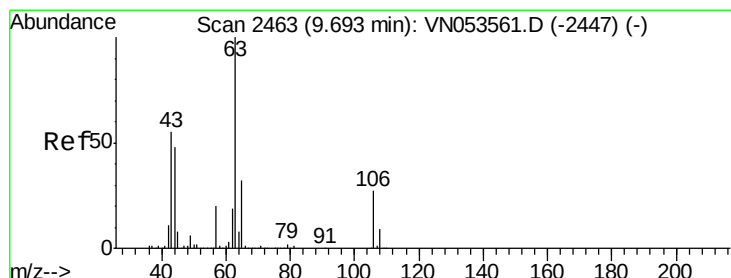
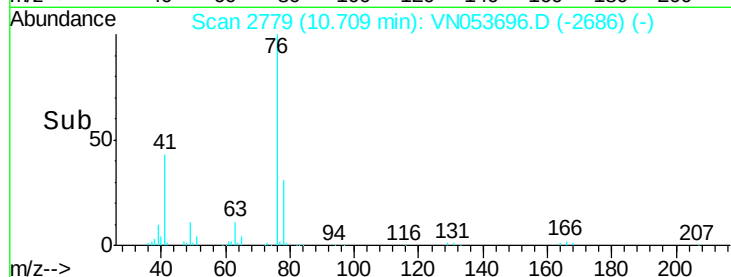
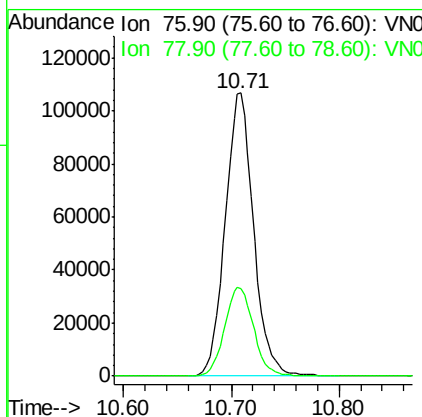
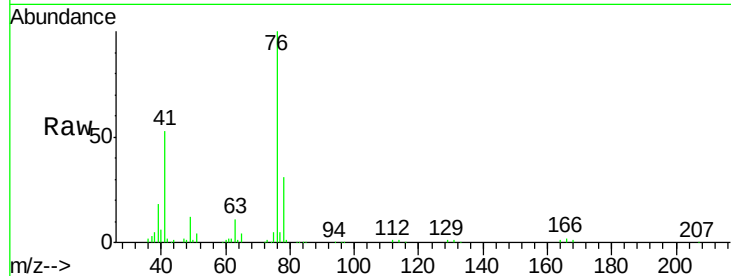




#57
 1,3-Dichloropropane
 Concen: 18.682 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

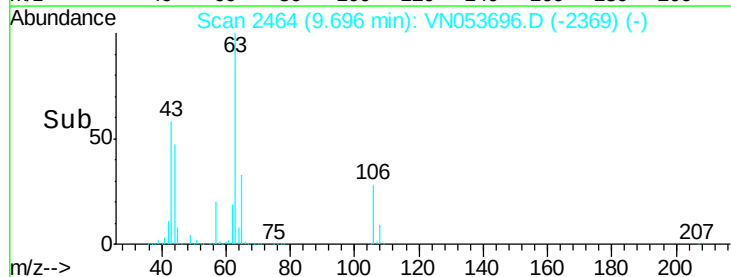
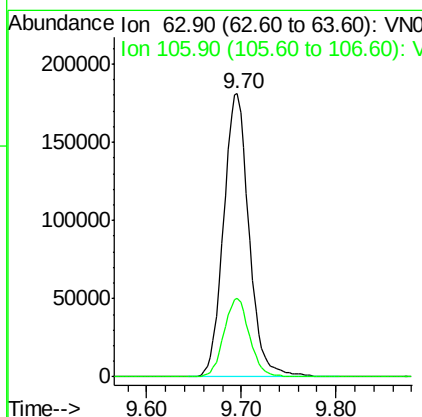
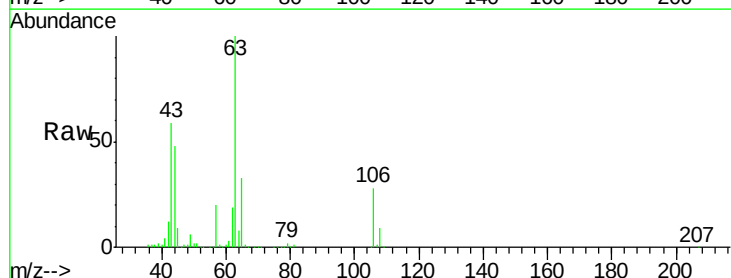
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBS01

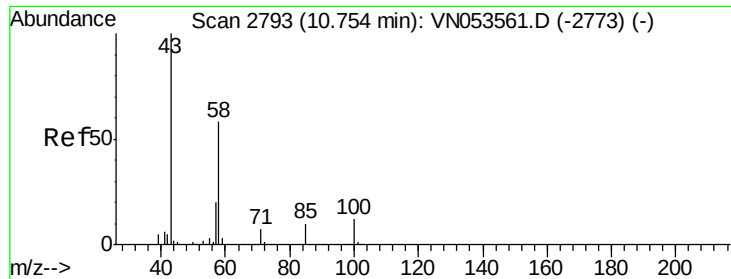
Tot Ion: 76 Resp: 195446
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.248 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

Tgt Ion: 63 Resp: 339800
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.5 32.3

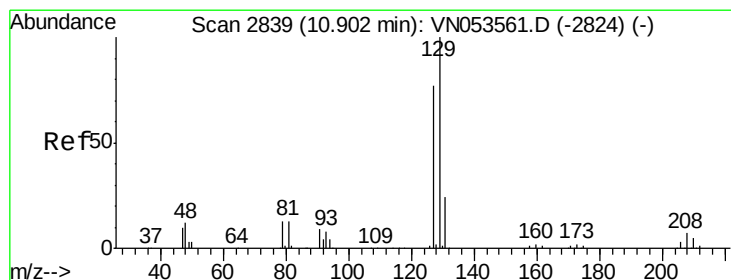
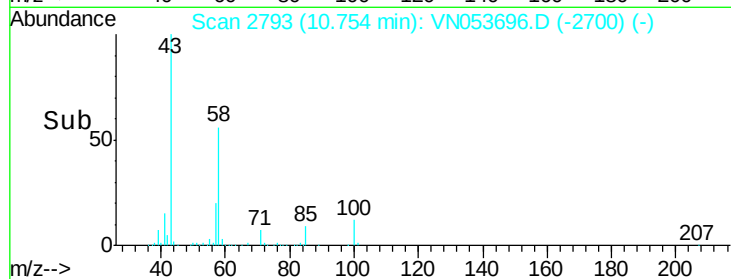
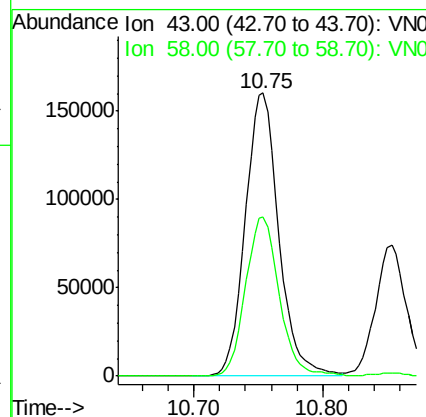
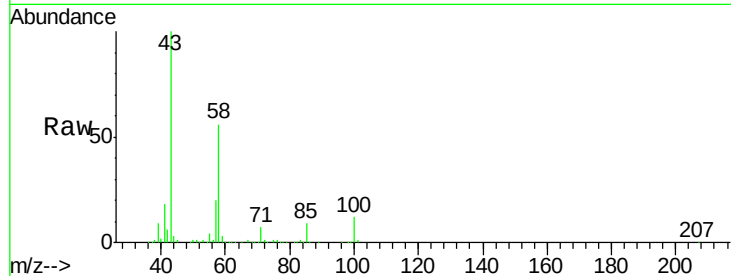




#59
2-Hexanone
Concen: 86.273 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

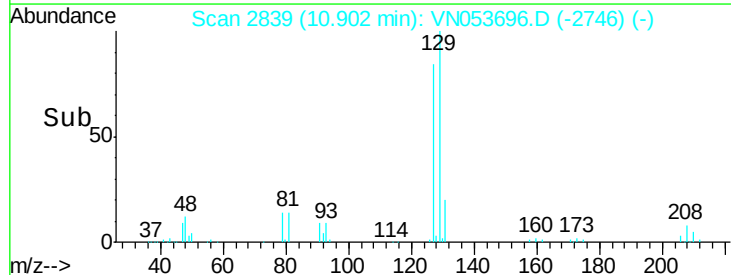
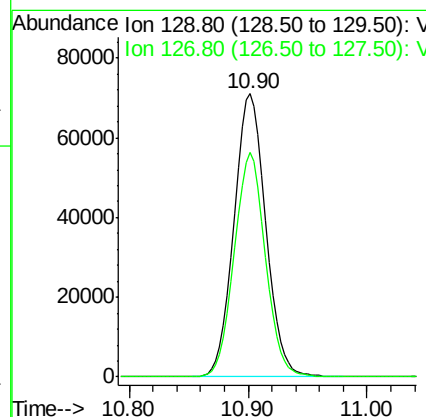
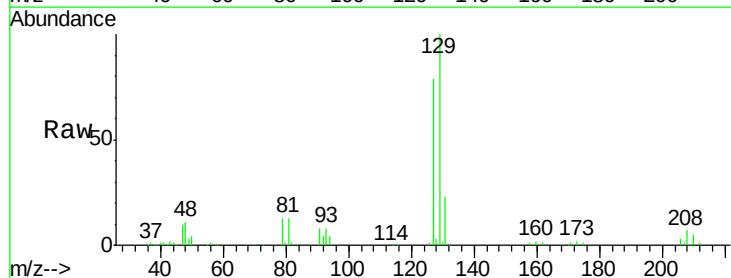
Instrument :
MSVOA_N
ClientSampled :
VN0211WBS01

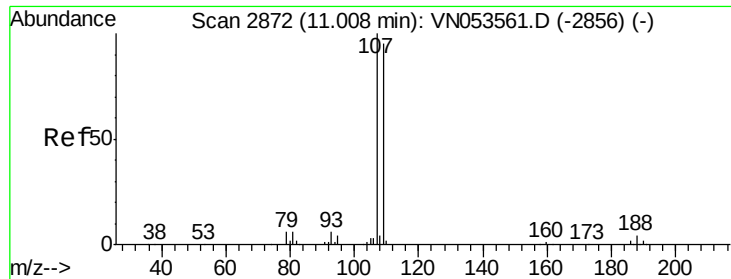
Tot Ion: 43 Resp: 288128
Ion Ratio Lower Upper
43 100
58 57.0 28.6 85.8



#60
Dibromochloromethane
Concen: 19.098 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Tgt Ion: 129 Resp: 131829
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8

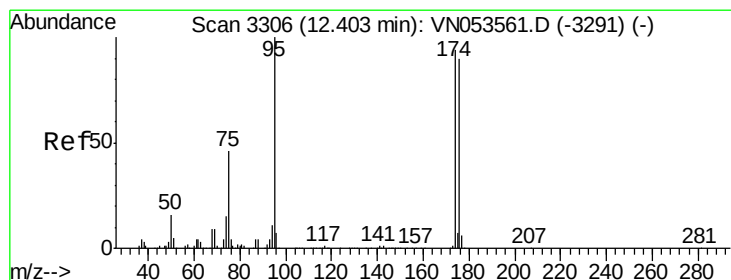
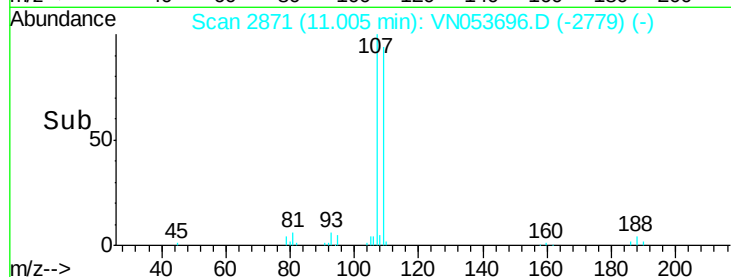
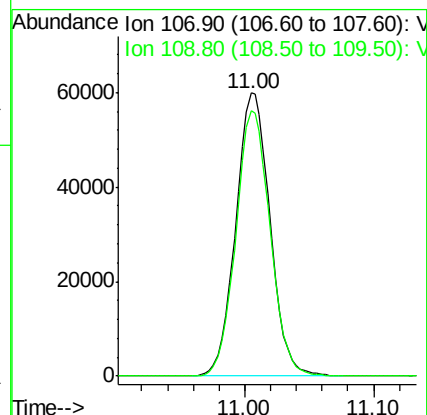
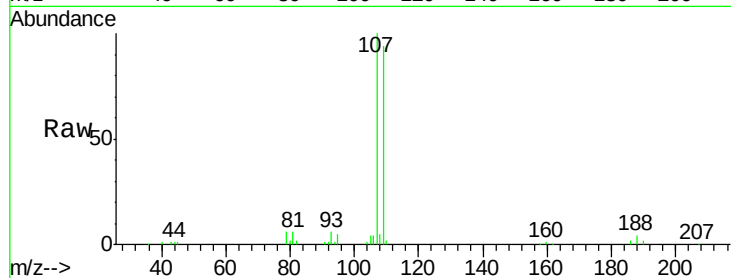




#61
 1,2-Dibromoethane
 Concen: 18.209 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

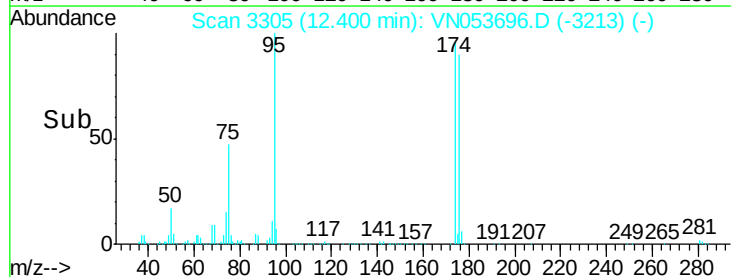
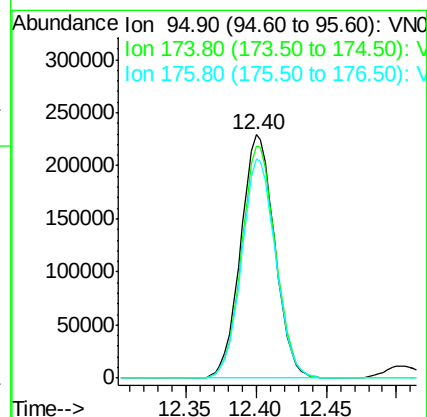
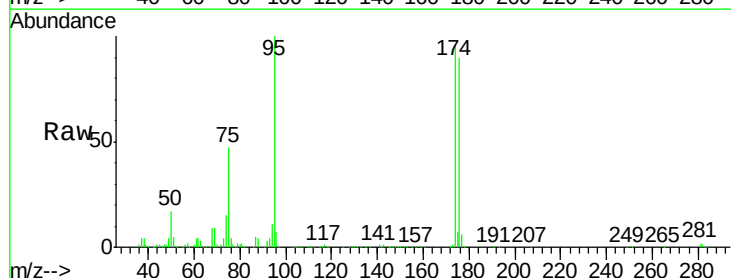
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBS01

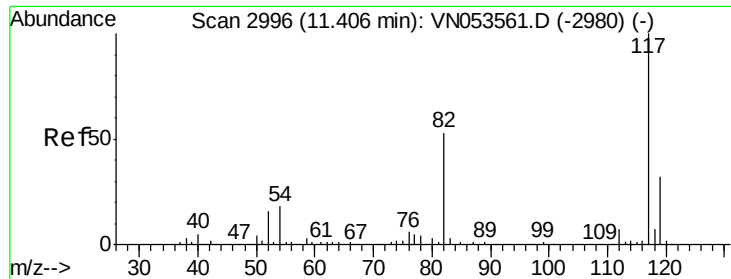
Tot Ion:107 Resp: 110323
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 47.542 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

Tgt Ion: 95 Resp: 387356
 Ion Ratio Lower Upper
 95 100
 174 95.7 0.0 183.2
 176 90.3 0.0 177.4

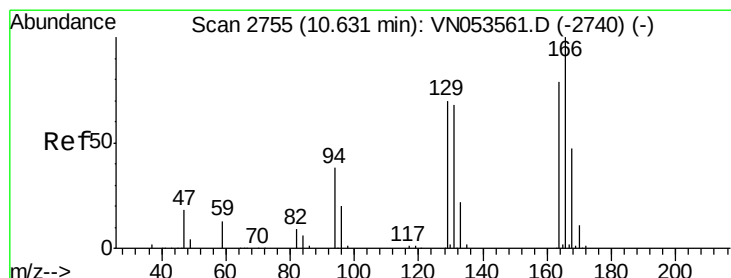
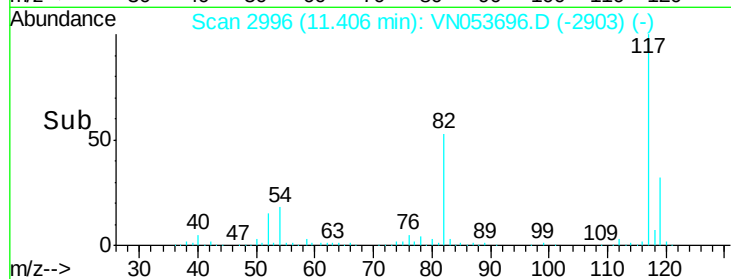
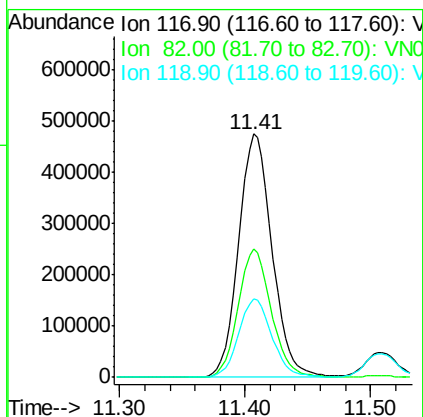
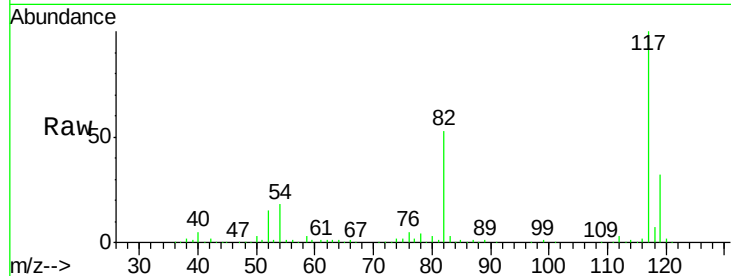




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

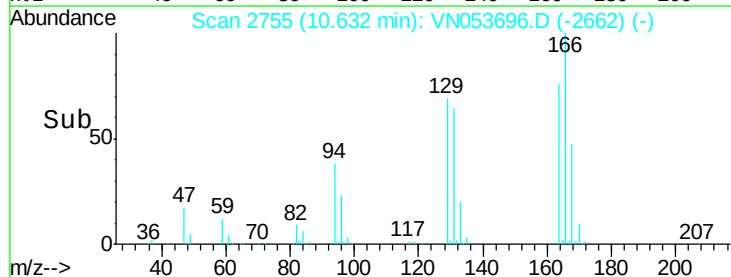
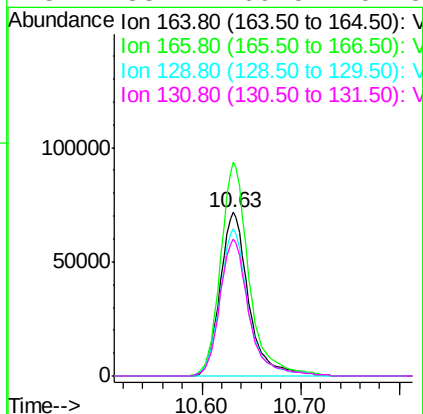
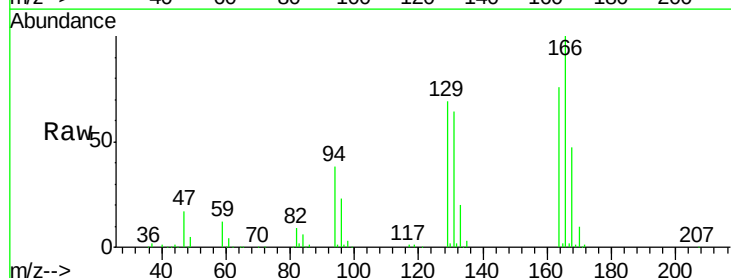
Instrument :
MSVOA_N
ClientSampleId :
VN0211WBS01

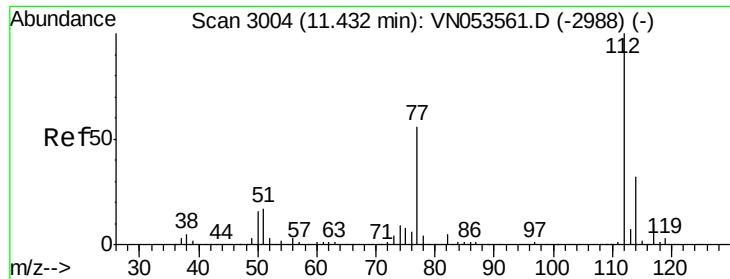
Tot Ion:117 Resp: 881589
Ion Ratio Lower Upper
117 100
82 52.7 42.9 64.3
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 19.265 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Tgt Ion:164 Resp: 145591
Ion Ratio Lower Upper
164 100
166 130.7 102.2 153.4
129 90.4 72.6 109.0
131 83.7 69.5 104.3

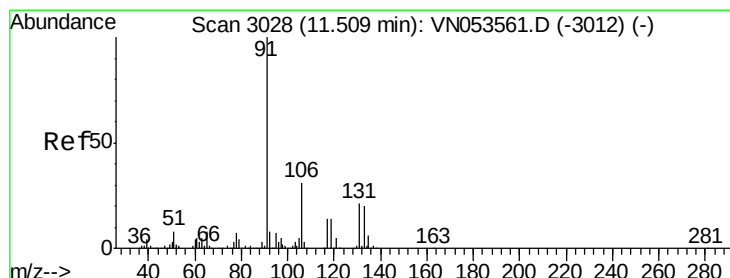
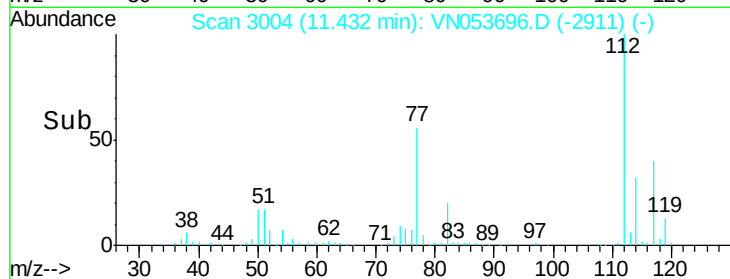
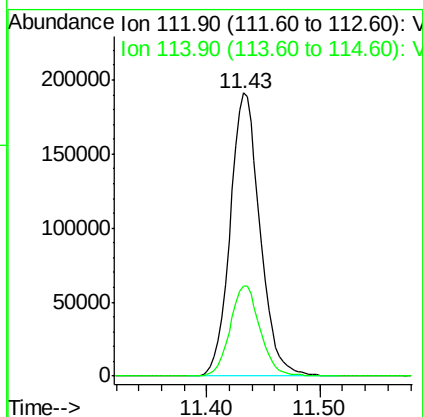
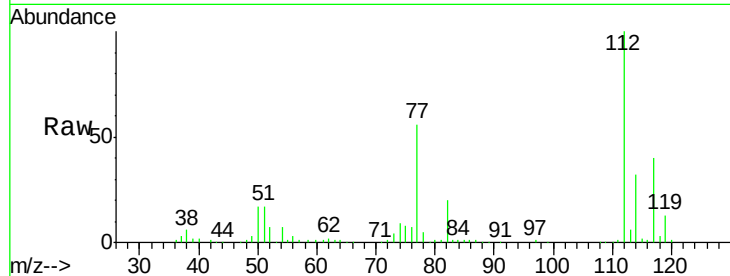




#65
Chlorobenzene
Concen: 18.693 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

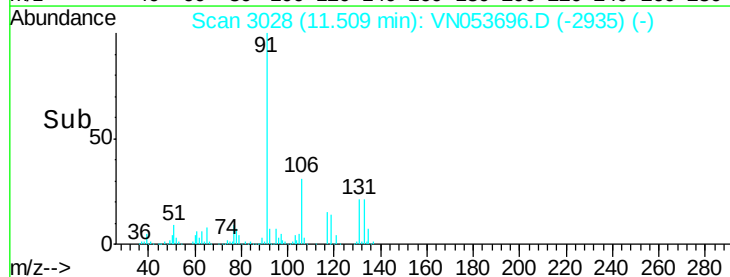
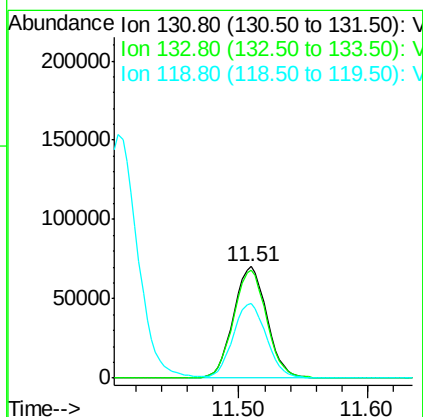
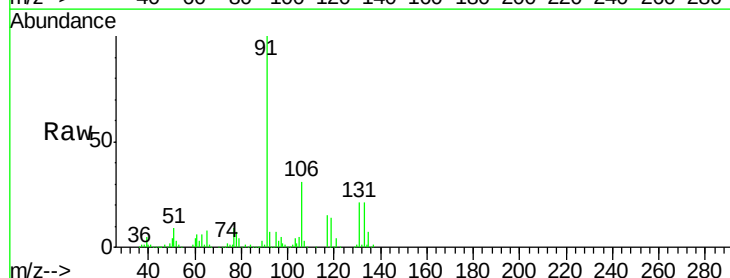
Instrument :
MSVOA_N
ClientSampled :
VN0211WBS01

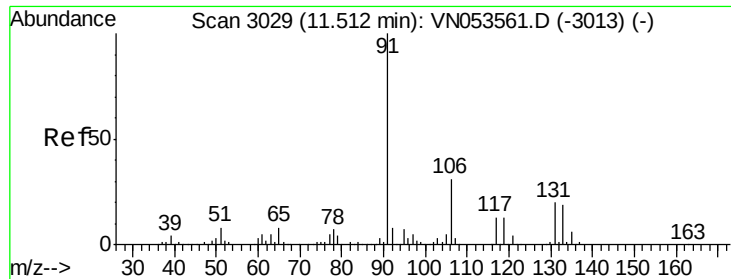
Tot Ion:112 Resp: 350045
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.445 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Tgt Ion:131 Resp: 127170
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 66.9 33.5 100.5

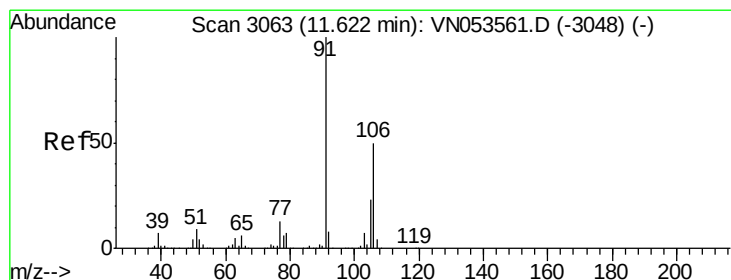
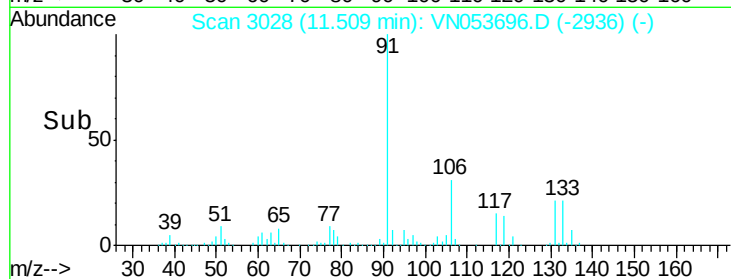
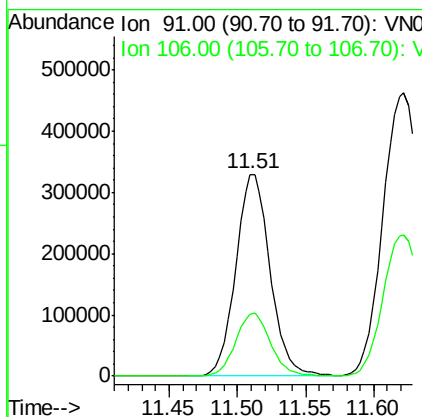
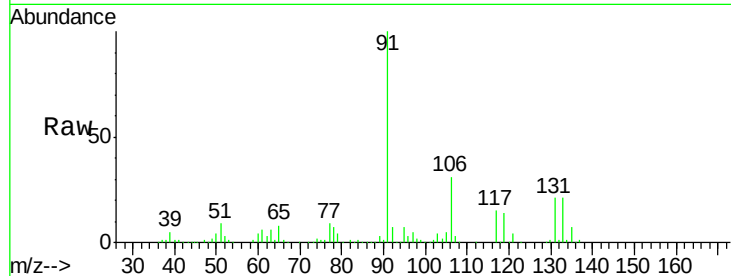




#67
Ethyl Benzene
Concen: 18.682 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

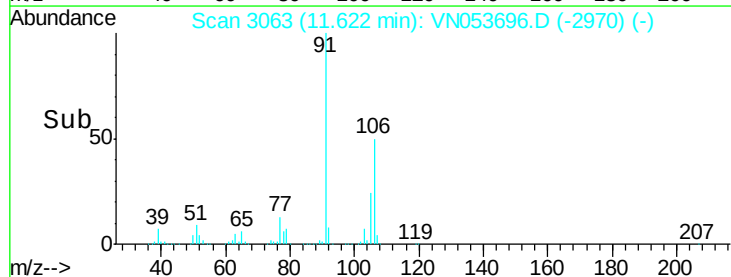
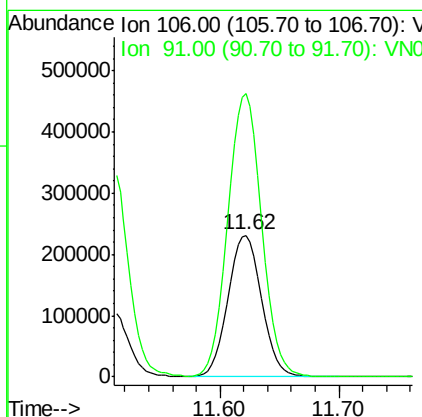
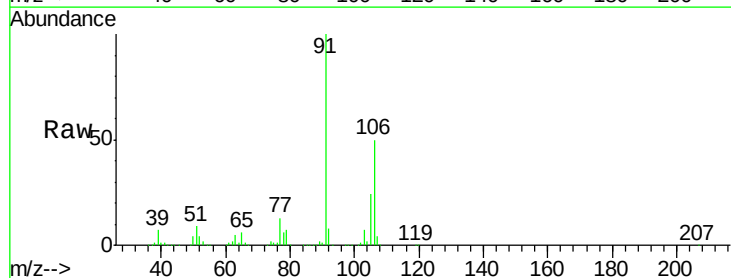
Instrument :
MSVOA_N
ClientSampled :
VN0211WBS01

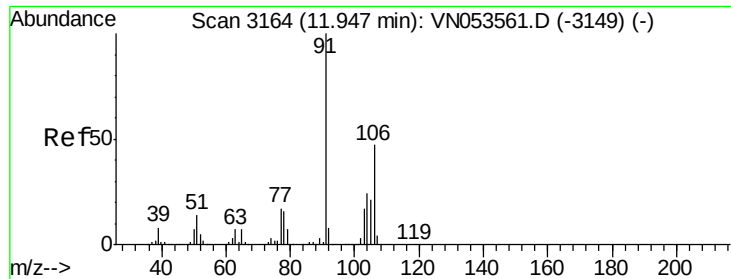
Tot Ion: 91 Resp: 574685
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6



#68
m/p-Xylenes
Concen: 38.572 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Tgt Ion: 106 Resp: 452849
Ion Ratio Lower Upper
106 100
91 200.8 161.4 242.2

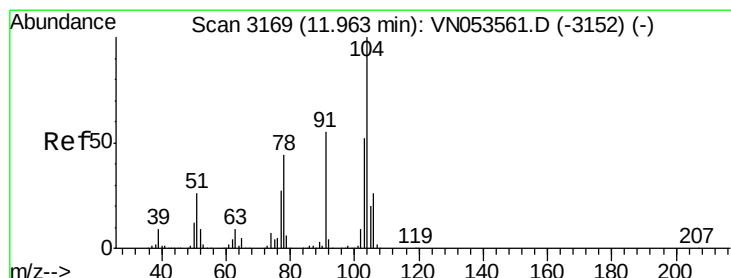
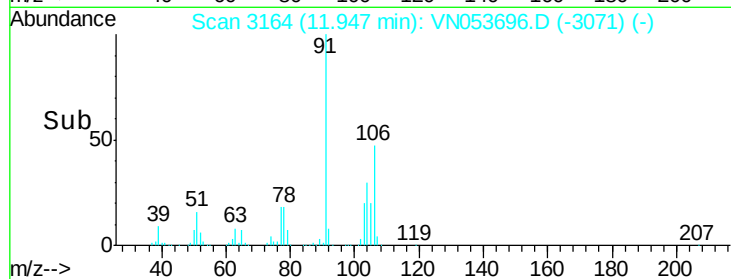
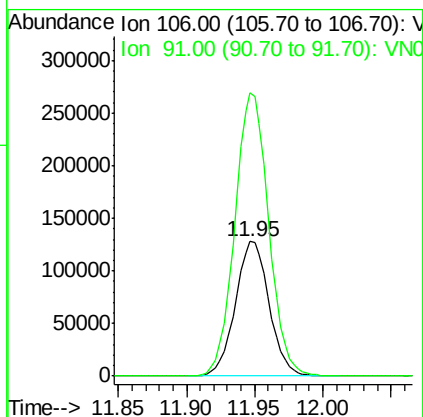
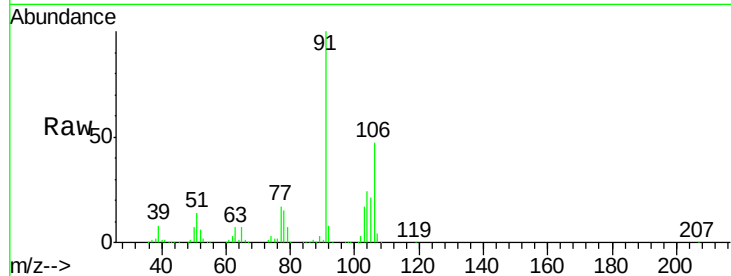




#69
o-Xylene
Concen: 19.331 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

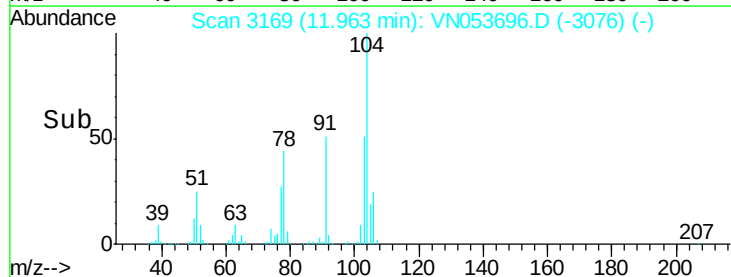
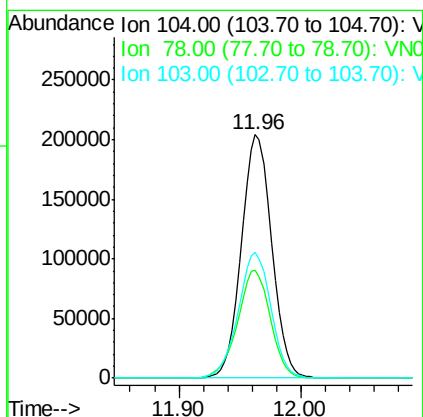
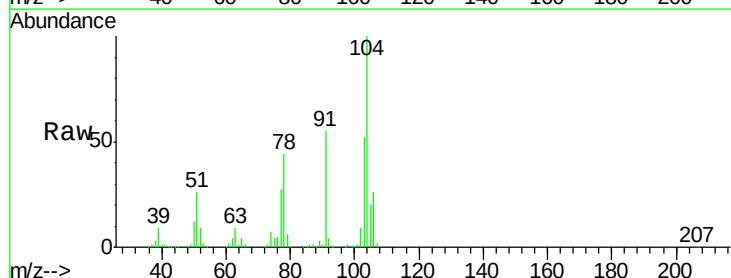
Instrument :
MSVOA_N
ClientSampled :
VN0211WBS01

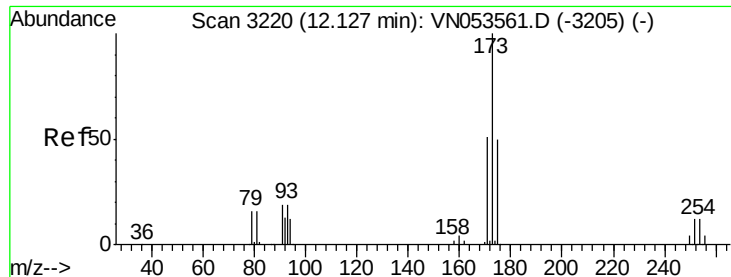
Tot Ion:106 Resp: 219253
Ion Ratio Lower Upper
106 100
91 211.1 106.9 320.8



#70
Styrene
Concen: 19.037 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053696.D
Acq: 11 Feb 2019 11:25

Tgt Ion:104 Resp: 349967
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 19.262 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBS01

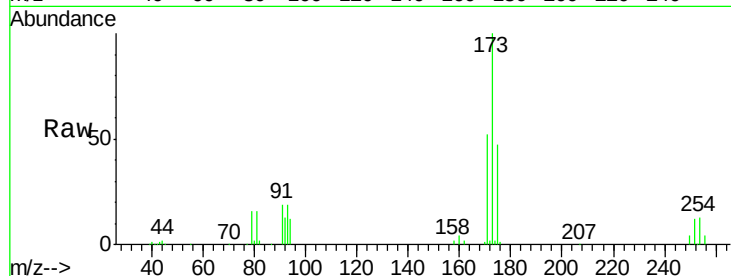
Tot Ion:173 Resp: 86360

Ion Ratio Lower Upper

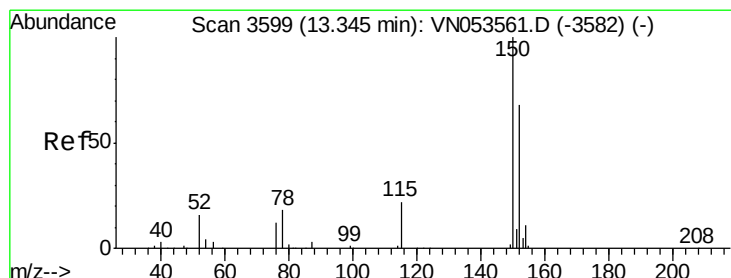
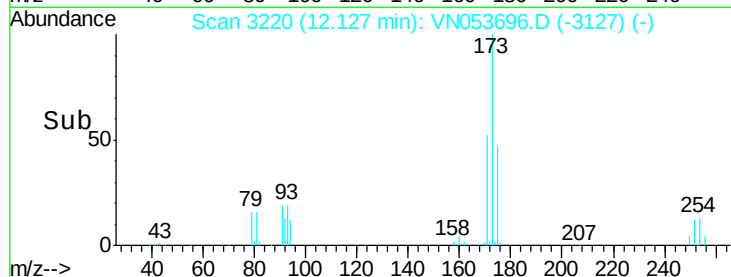
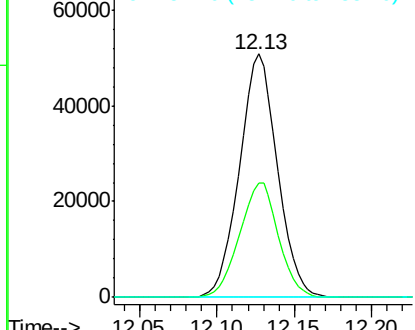
173 100

175 48.4 24.6 74.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

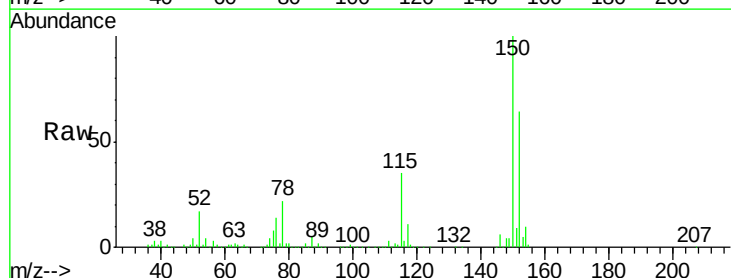
Tgt Ion:152 Resp: 419887

Ion Ratio Lower Upper

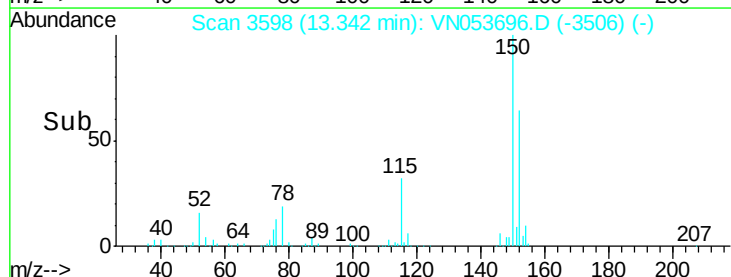
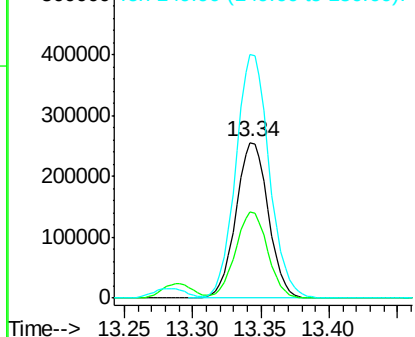
152 100

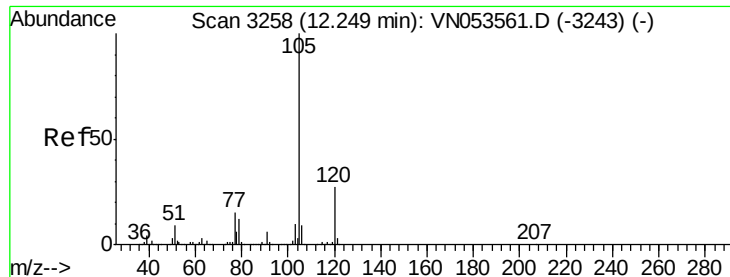
115 55.1 27.8 83.4

150 162.5 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: 19.831 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

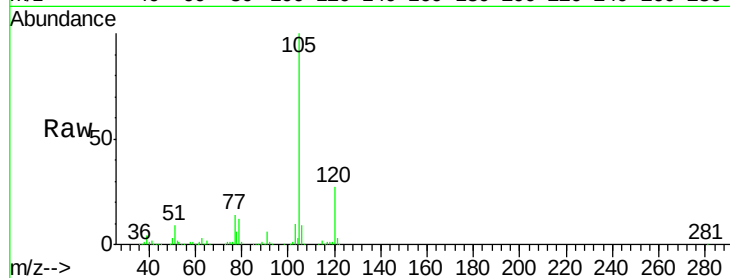
VN0211WBS01

Tot Ion:105 Resp: 585373

Ion Ratio Lower Upper

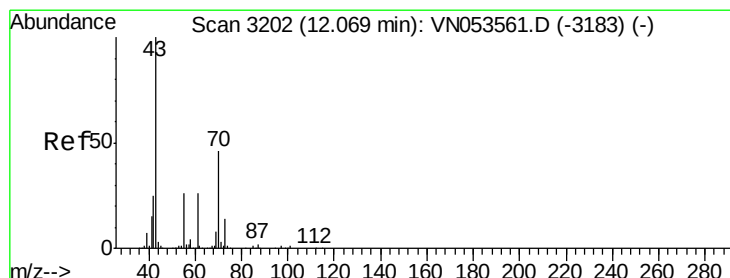
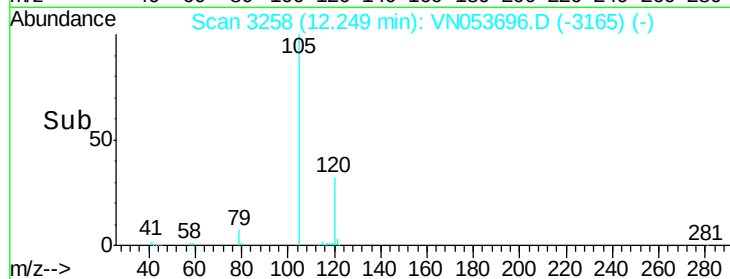
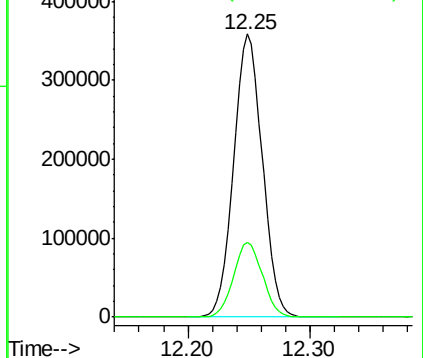
105 100

120 26.5 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: 18.319 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Tgt Ion: 43 Resp: 130025

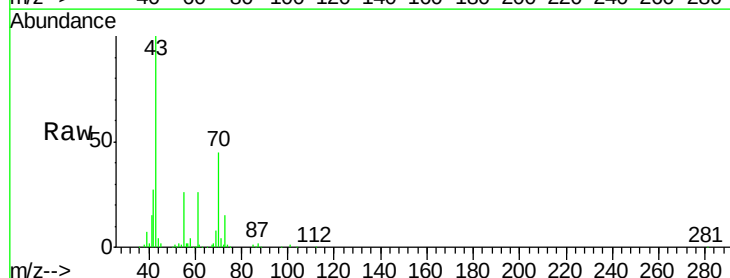
Ion Ratio Lower Upper

43 100

70 44.9 35.4 53.2

55 26.2 20.9 31.3

61 25.4 20.5 30.7

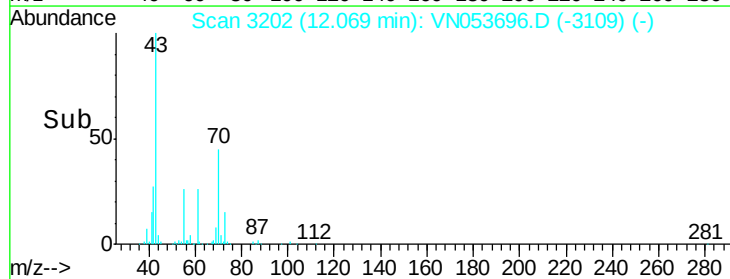
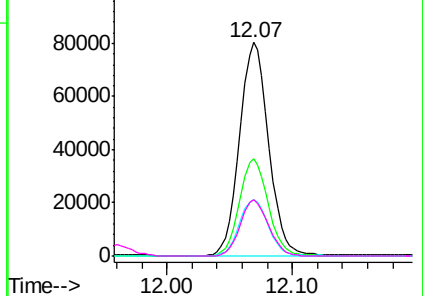


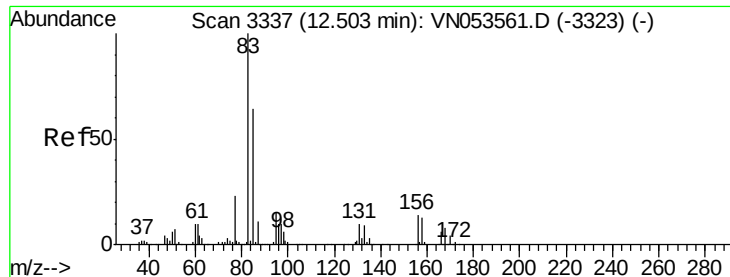
Abundance Ion 43.00 (42.70 to 43.70): V

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: 18.672 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBS01

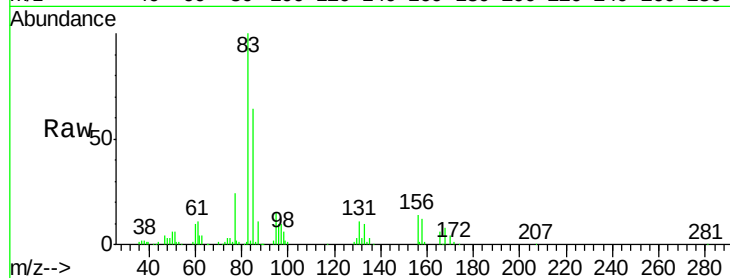
Tot Ion: 83 Resp: 131905

Ion Ratio Lower Upper

83 100

131 11.0 5.3 15.8

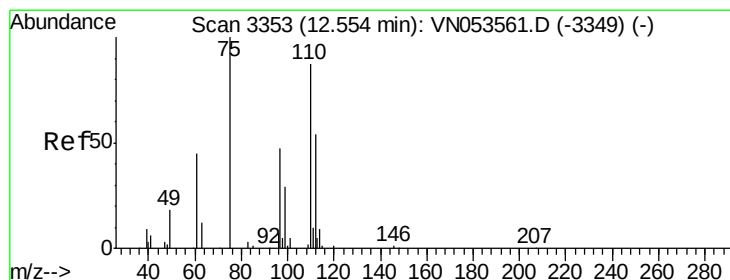
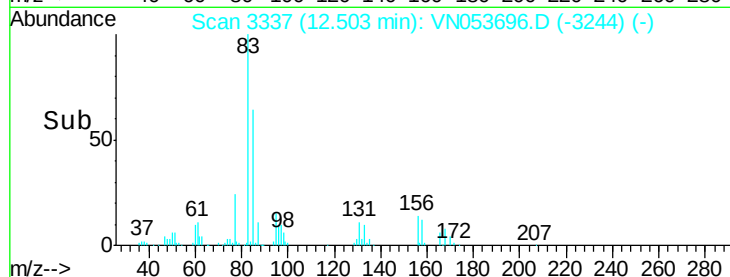
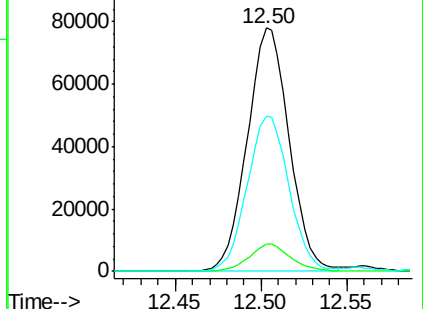
85 63.6 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053561.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN053561.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN053561.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 29.626 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053696.D

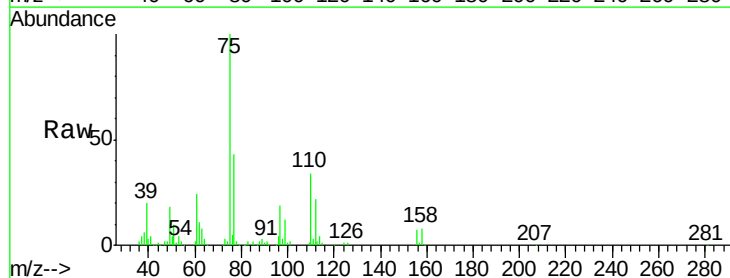
Acq: 11 Feb 2019 11:25

Tgt Ion: 75 Resp: 159778

Ion Ratio Lower Upper

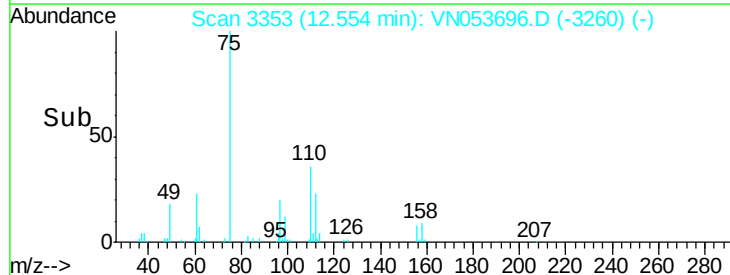
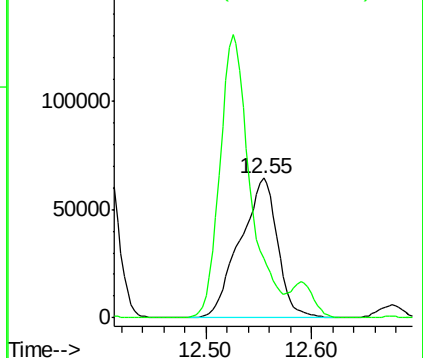
75 100

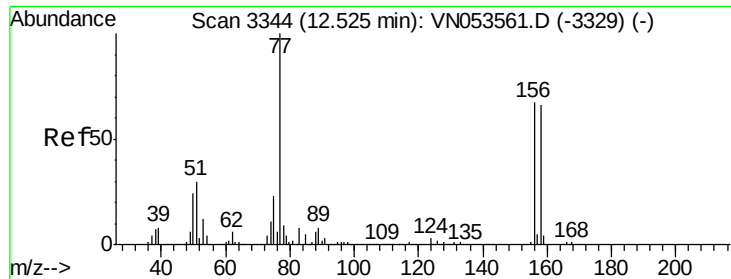
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053561.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN053561.D (-3349) (-)





#77

Bromobenzene

Concen: 18.783 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBS01

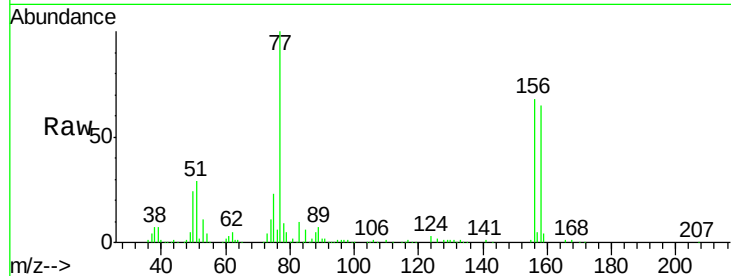
Tot Ion:156 Resp: 149422

Ion Ratio Lower Upper

156 100

77 174.3 87.9 263.8

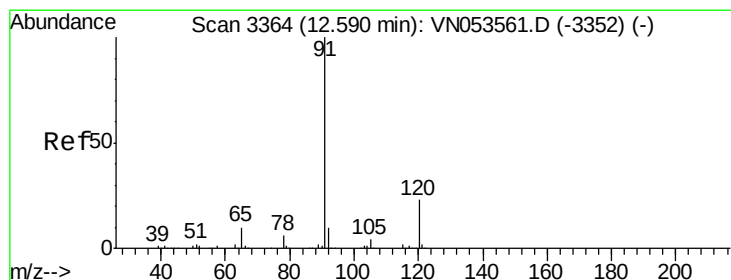
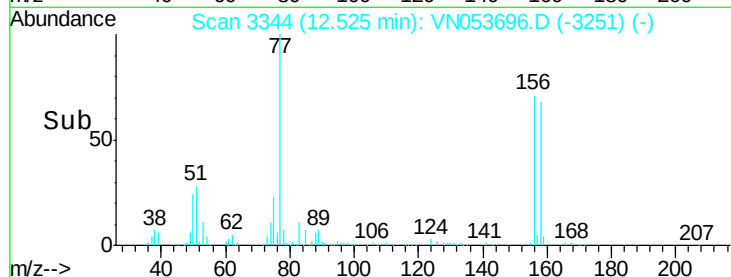
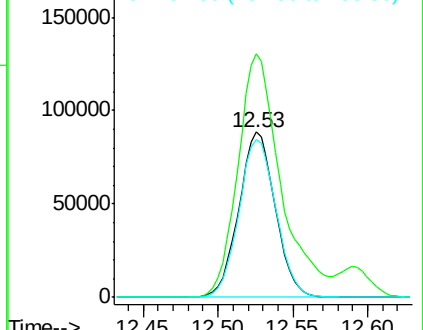
158 98.0 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.794 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053696.D

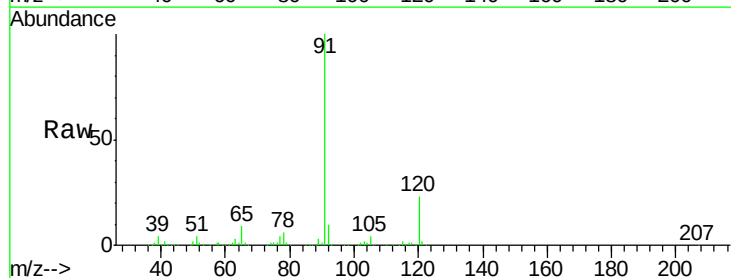
Acq: 11 Feb 2019 11:25

Tgt Ion: 91 Resp: 675433

Ion Ratio Lower Upper

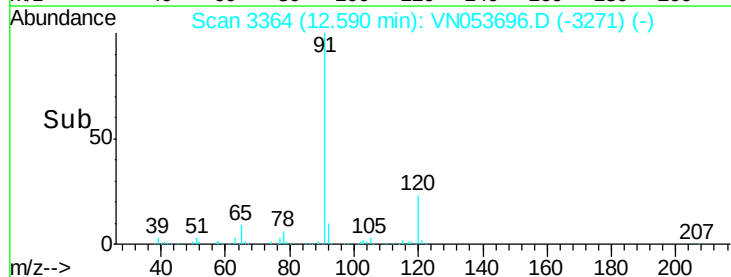
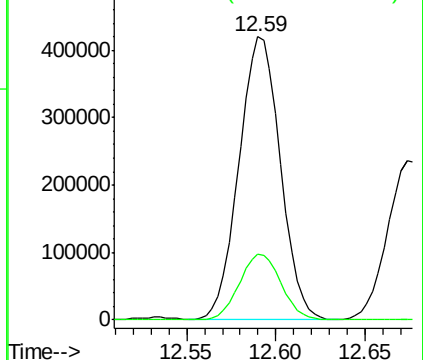
91 100

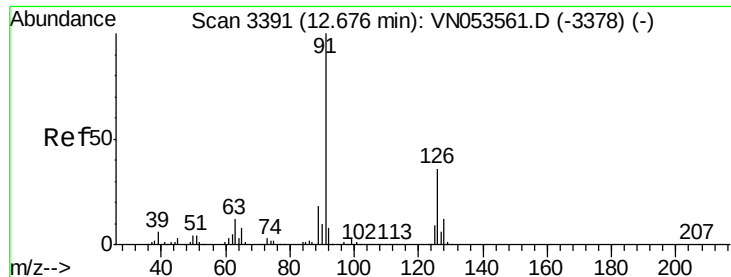
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.723 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

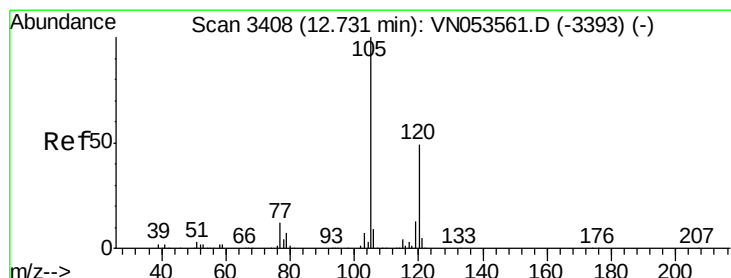
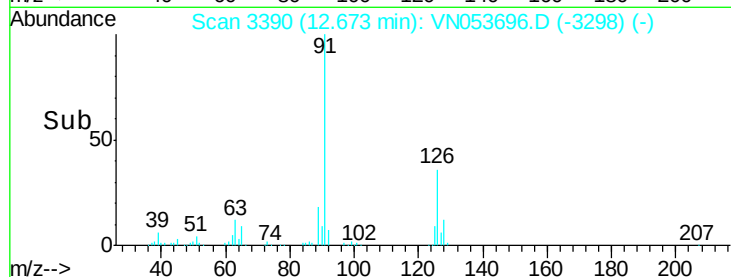
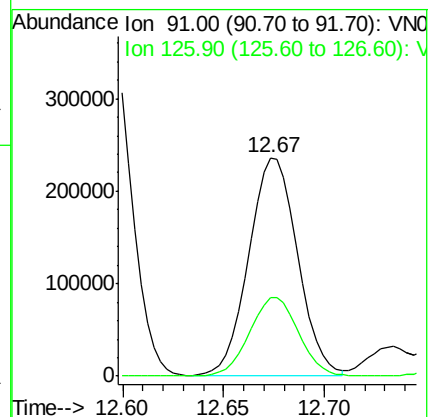
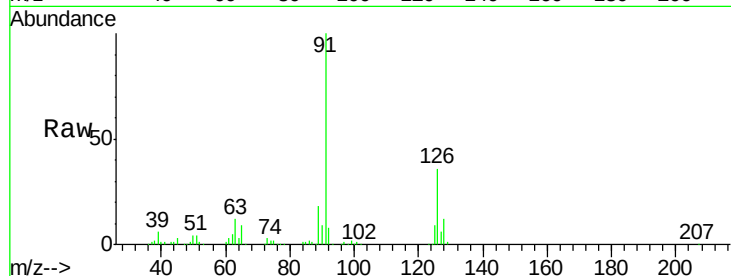
VN0211WBS01

Tot Ion: 91 Resp: 399283

Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.370 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053696.D

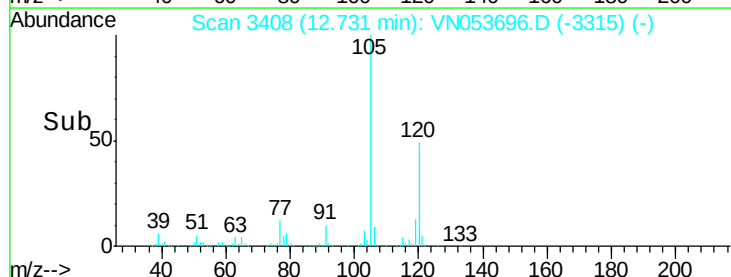
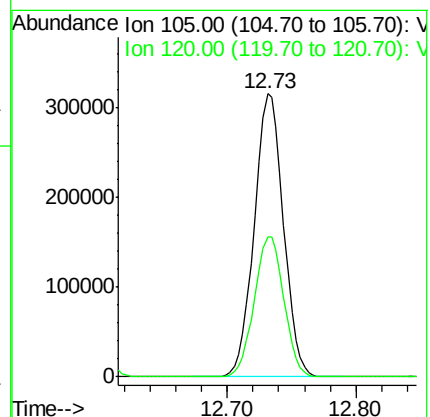
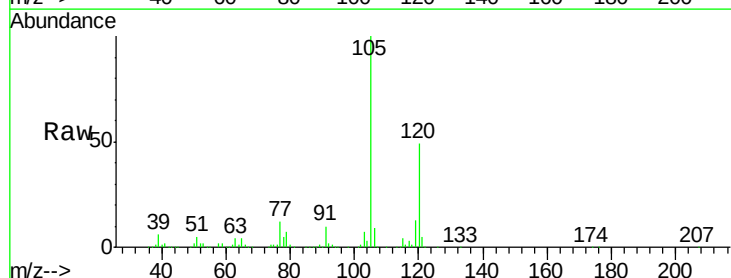
Acq: 11 Feb 2019 11:25

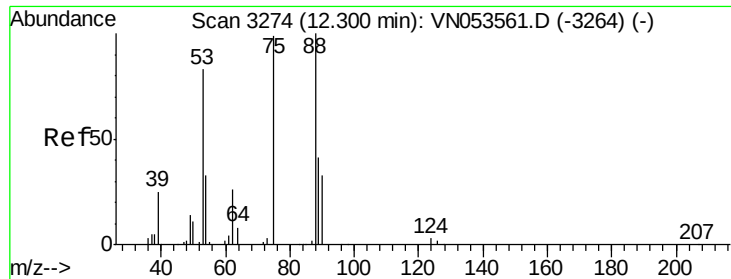
Tgt Ion: 105 Resp: 498596

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.247 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBS01

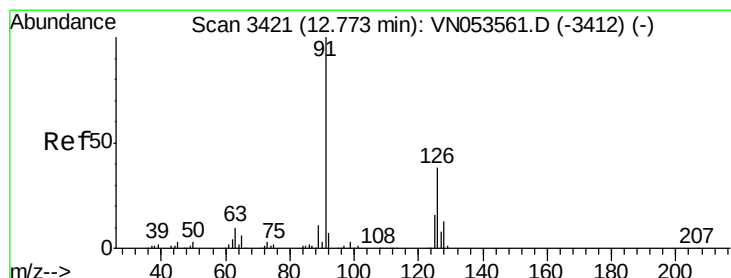
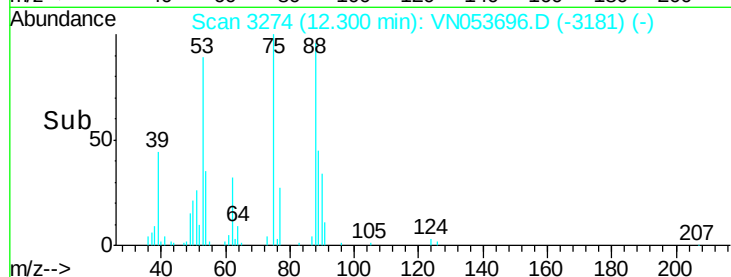
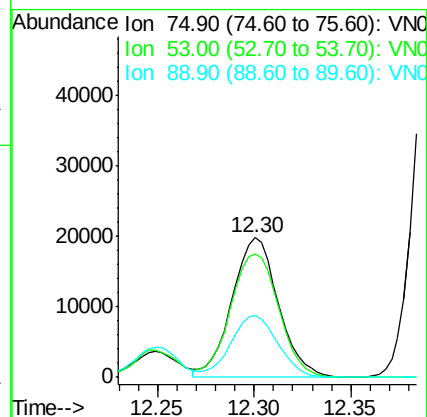
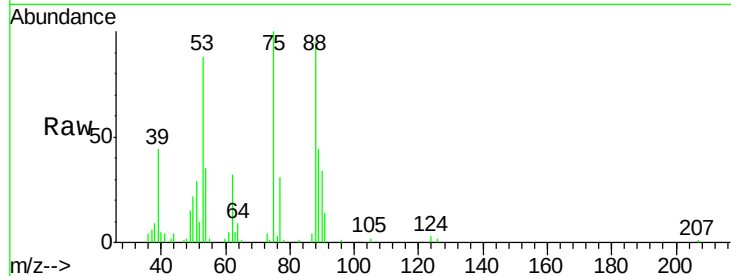
Tot Ion: 75 Resp: 33080

Ion Ratio Lower Upper

75 100

53 91.8 69.8 104.6

89 44.6 35.6 53.4



#82

4-Chlorotoluene

Concen: 19.135 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053696.D

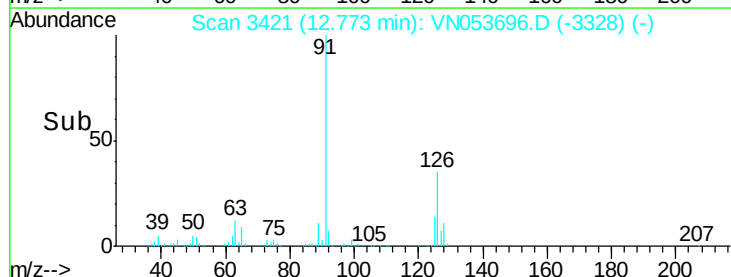
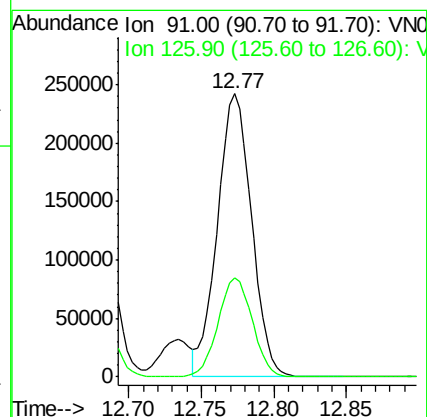
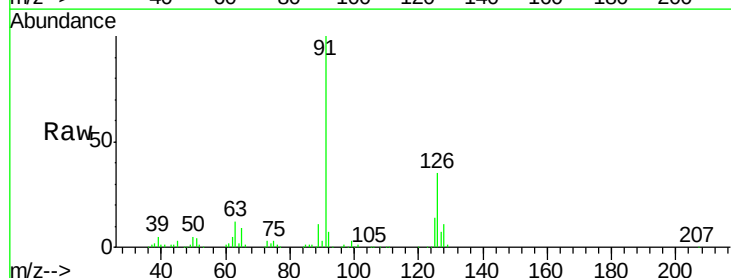
Acq: 11 Feb 2019 11:25

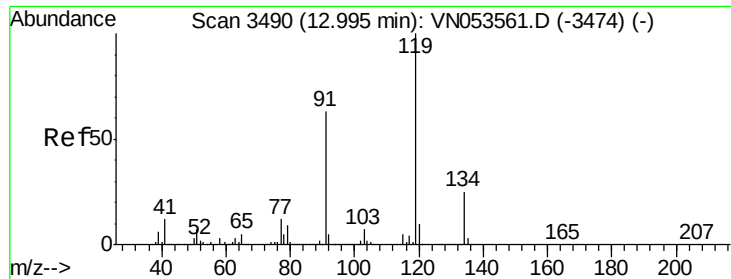
Tgt Ion: 91 Resp: 397495

Ion Ratio Lower Upper

91 100

126 35.1 17.6 52.9

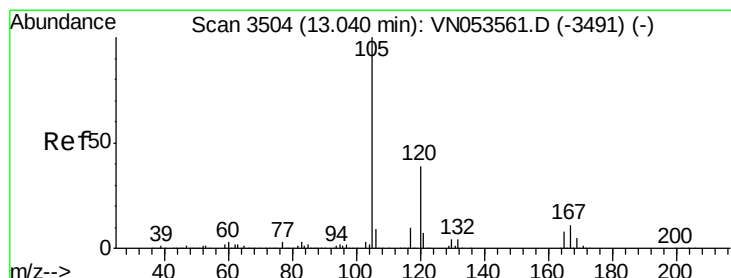
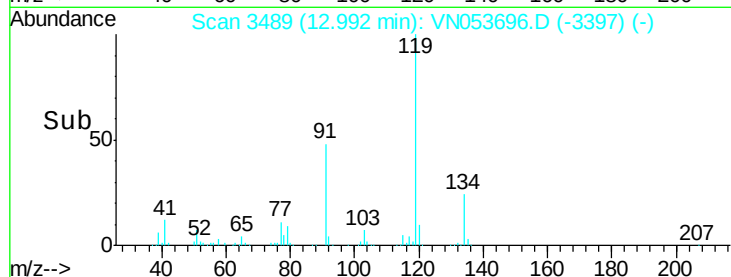
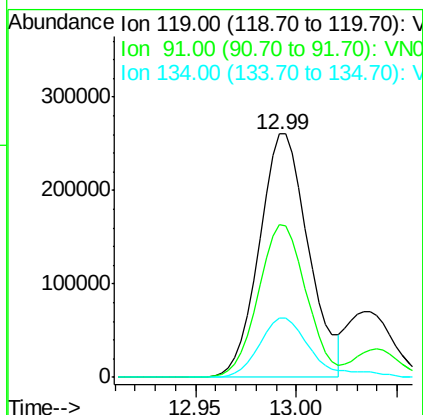
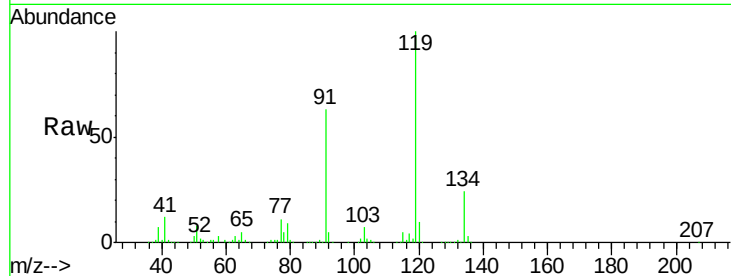




#83
 tert-Butylbenzene
 Concen: 20.485 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

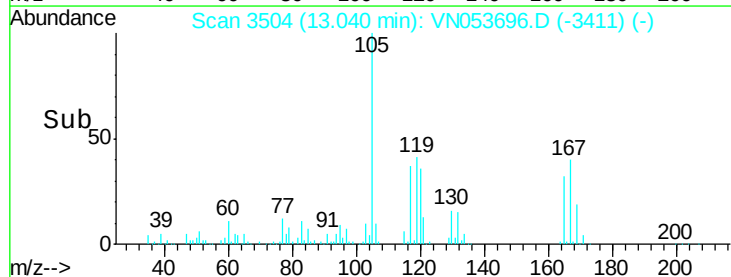
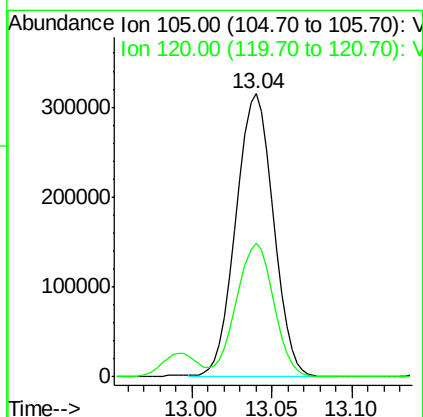
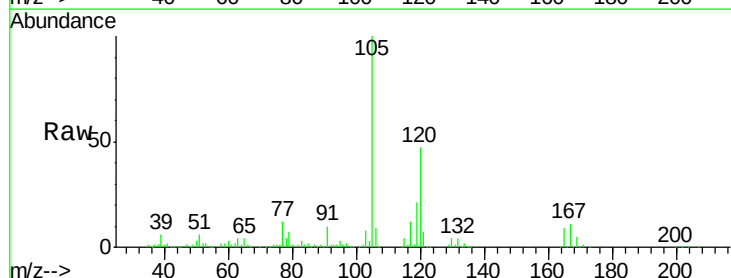
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBS01

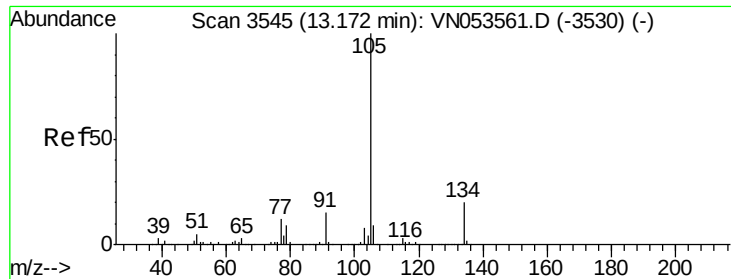
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	31.3	93.8
134	25.9	12.9	38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.113 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.473 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

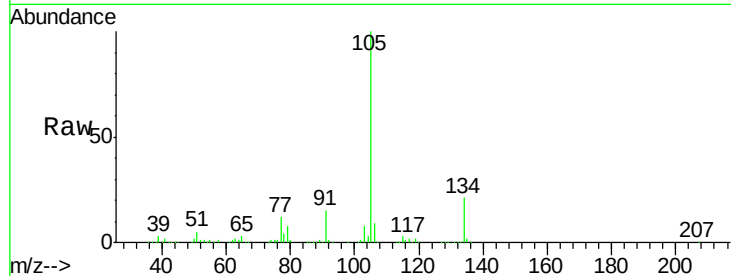
VN0211WBS01

Tot Ion:105 Resp: 602698

Ion Ratio Lower Upper

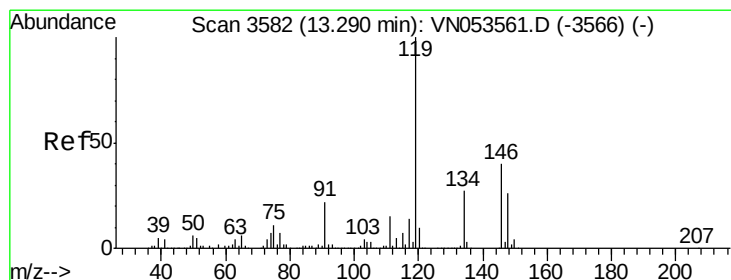
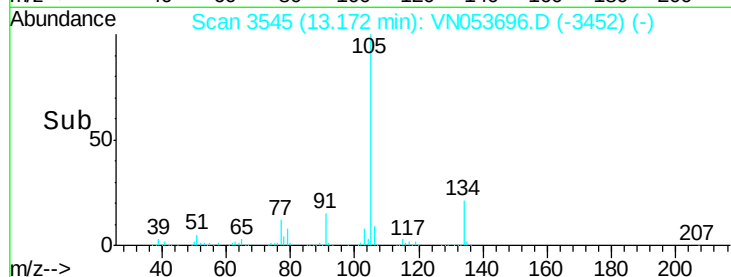
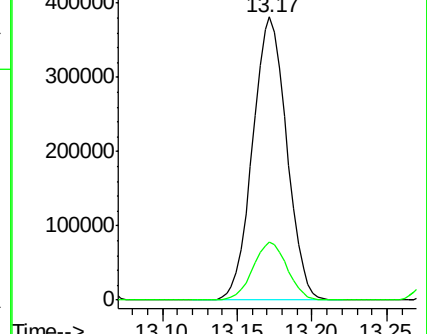
105 100

134 20.8 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.558 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

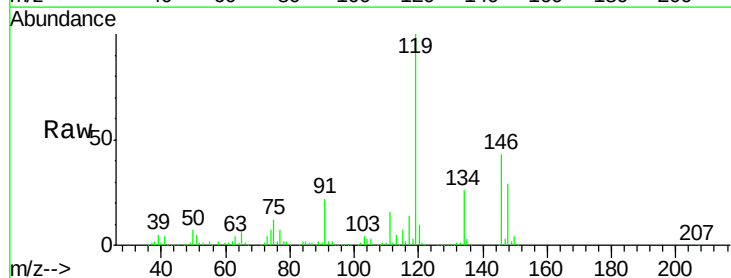
Tgt Ion:119 Resp: 529299

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

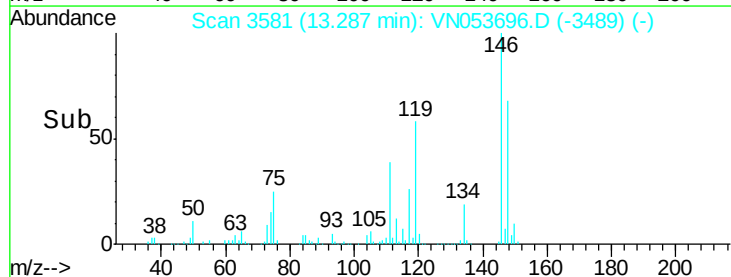
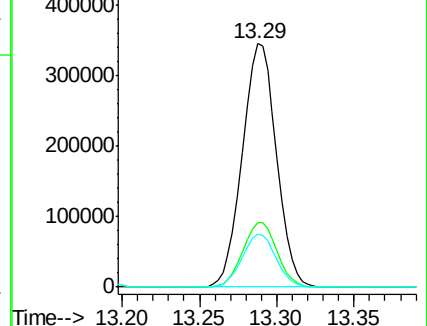
91 21.5 11.0 33.0

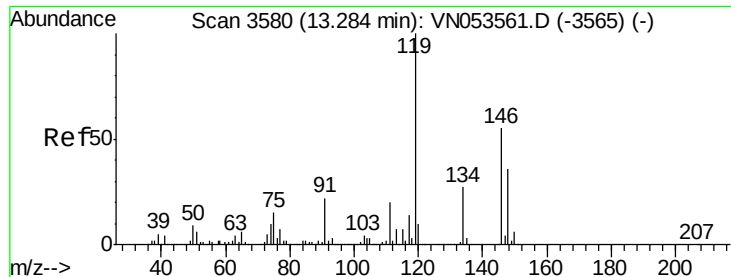


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.690 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0211WBS01

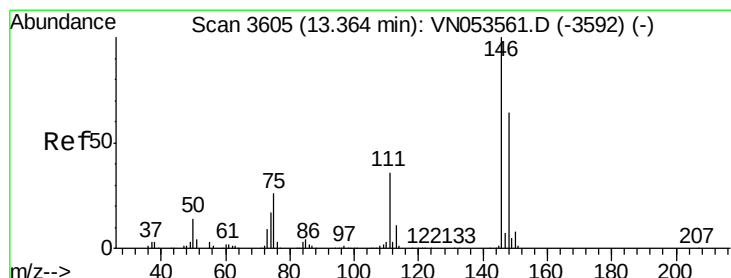
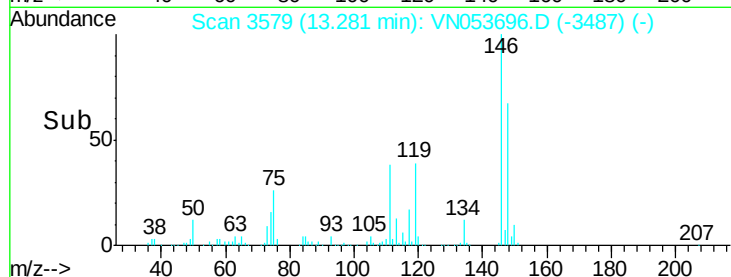
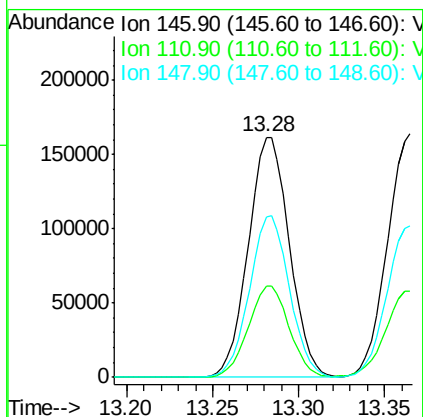
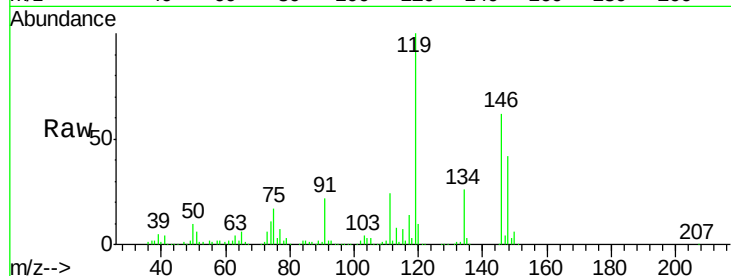
Tot Ion:146 Resp: 267274

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.3

148 65.6 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 18.942 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

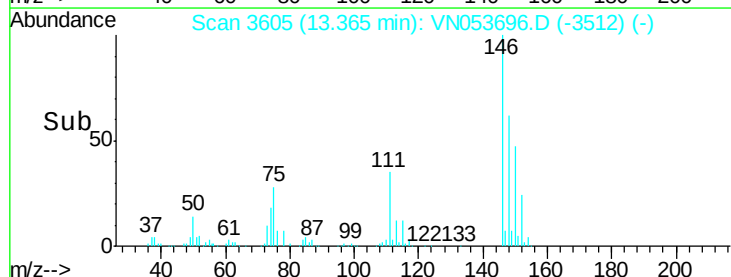
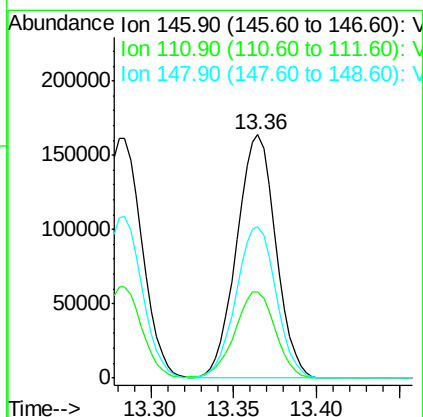
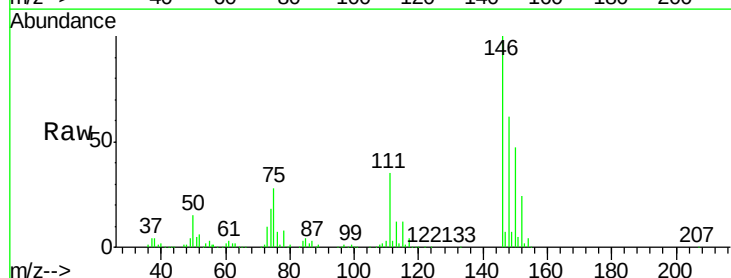
Tgt Ion:146 Resp: 267957

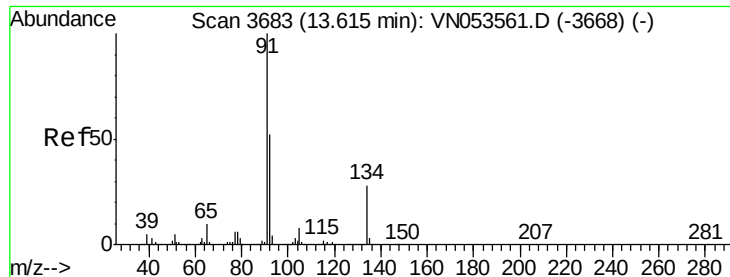
Ion Ratio Lower Upper

146 100

111 37.1 18.6 55.8

148 63.6 32.4 97.0





#89

n-Butylbenzene

Concen: 19.969 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBS01

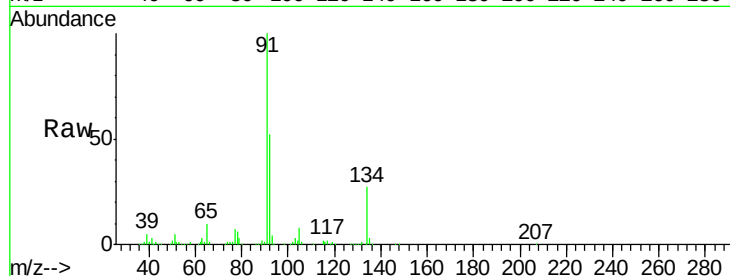
Tot Ion: 91 Resp: 445030

Ion Ratio Lower Upper

91 100

92 52.1 26.3 78.8

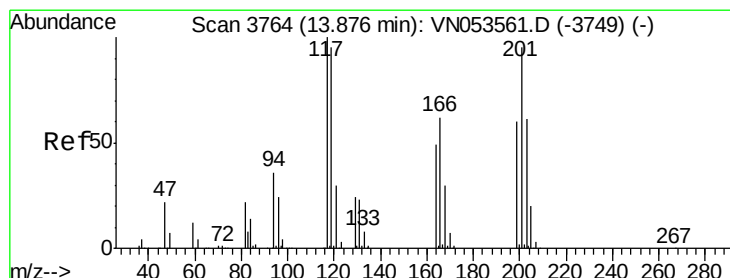
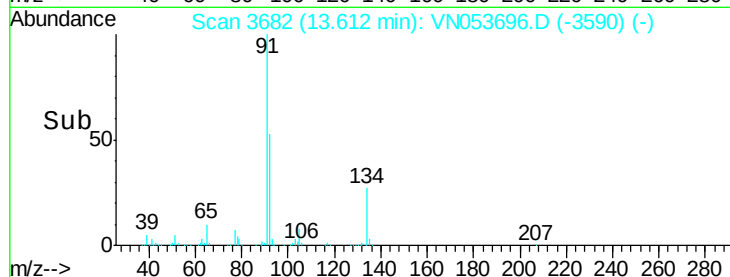
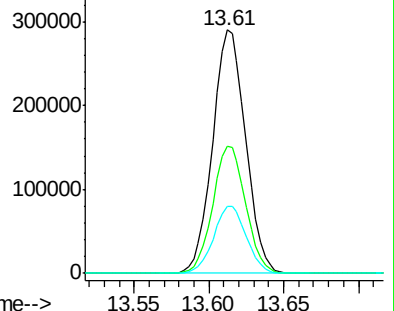
134 27.3 13.5 40.5



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

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

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



#90

Hexachloroethane

Concen: 20.495 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053696.D

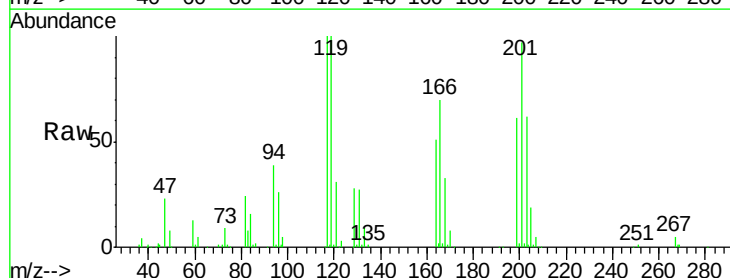
Acq: 11 Feb 2019 11:25

Tgt Ion: 117 Resp: 87040

Ion Ratio Lower Upper

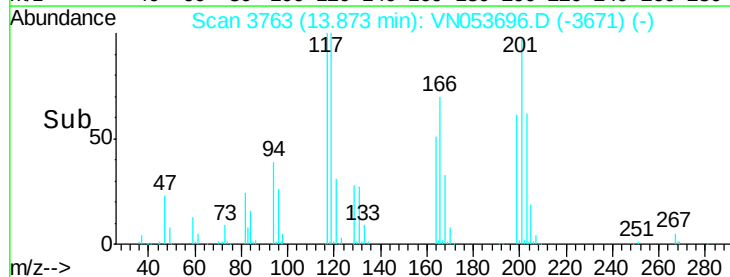
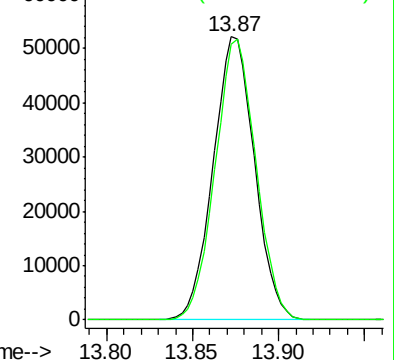
117 100

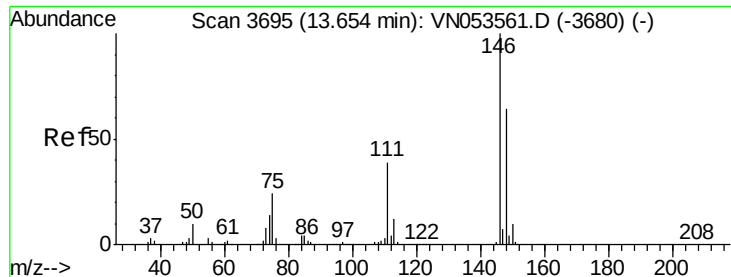
201 97.8 46.8 140.4



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

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

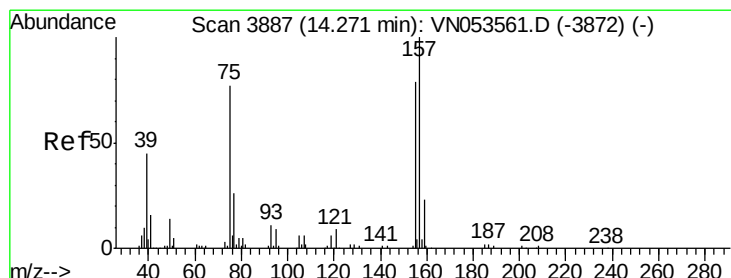
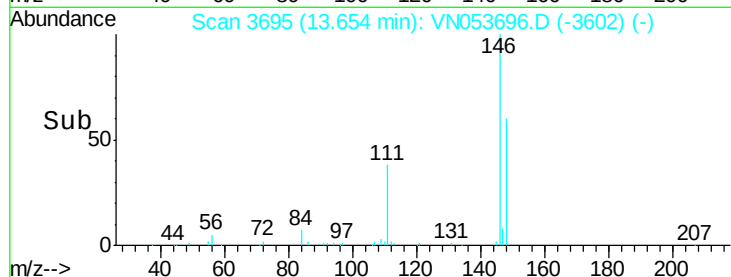
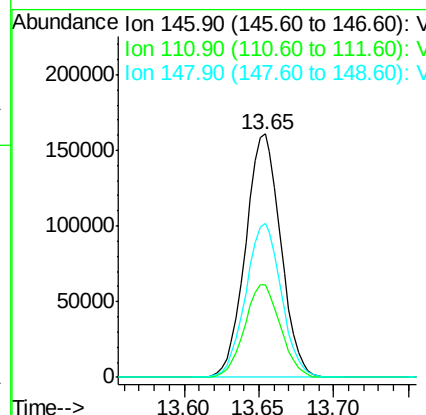
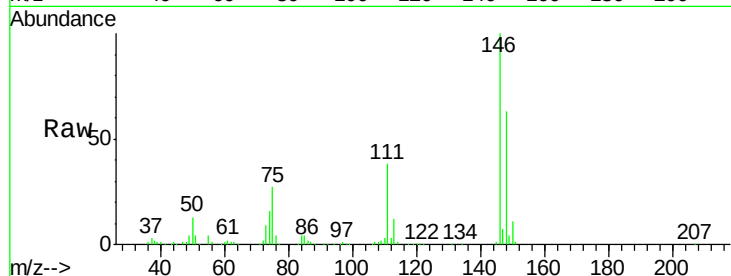




#91
 1,2-Dichlorobenzene
 Concen: 19.212 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

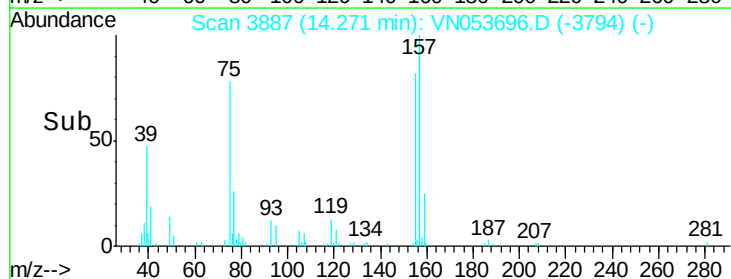
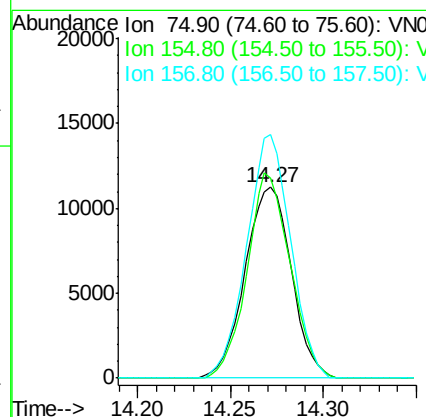
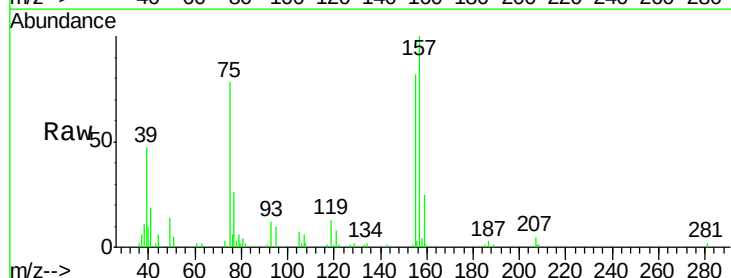
Instrument :
 MSVOA_N
 ClientSampled :
 VN0211WBS01

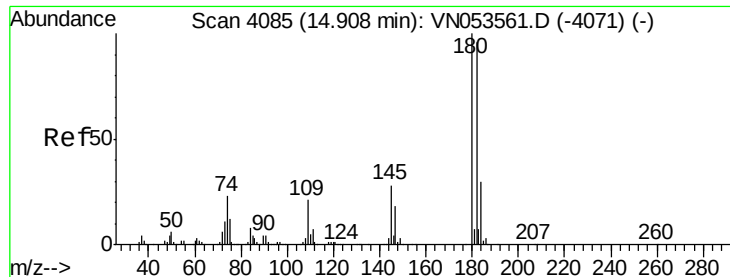
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	64.0	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.389 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053696.D
 Acq: 11 Feb 2019 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.6	48.9	146.7
157	120.7	63.7	191.3





#93

1,2,4-Trichlorobenzene

Concen: 18.253 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBS01

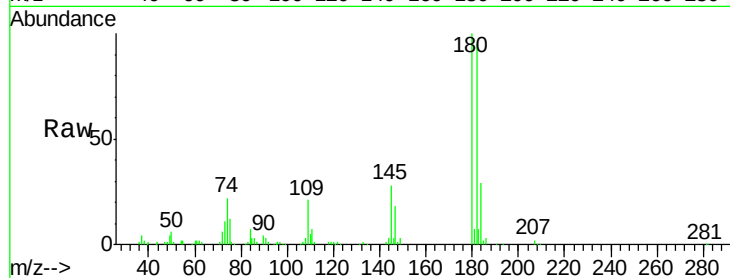
Tot Ion:180 Resp: 143321

Ion Ratio Lower Upper

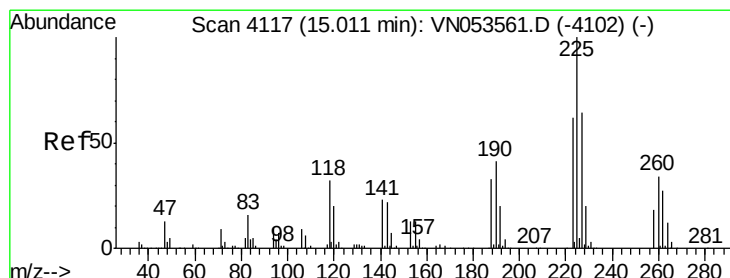
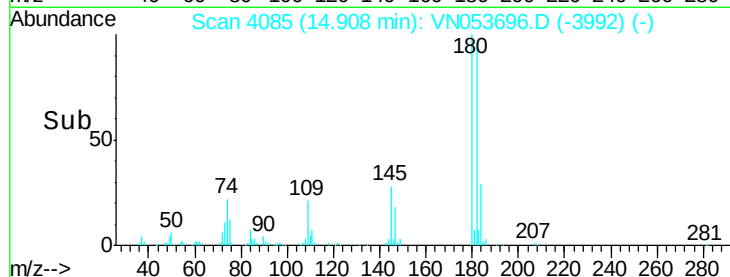
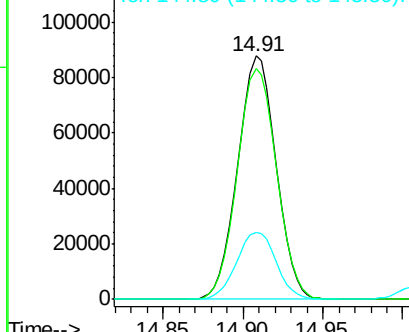
180 100

182 97.1 48.1 144.3

145 28.3 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.243 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

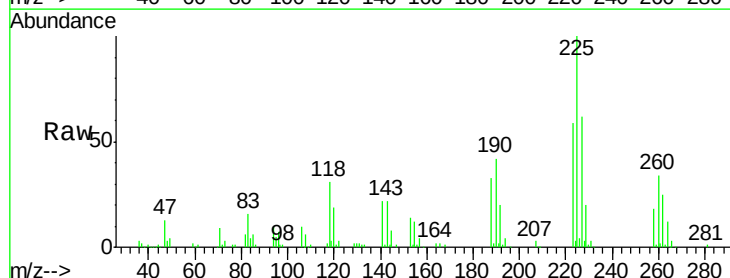
Tgt Ion:225 Resp: 103878

Ion Ratio Lower Upper

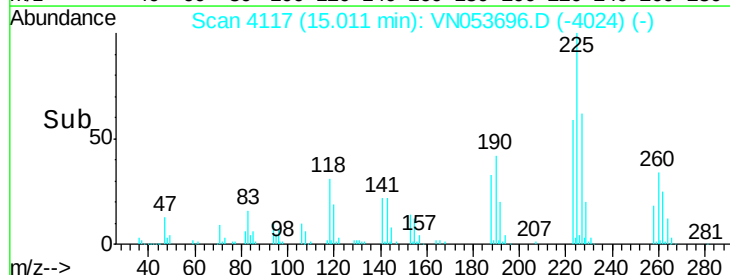
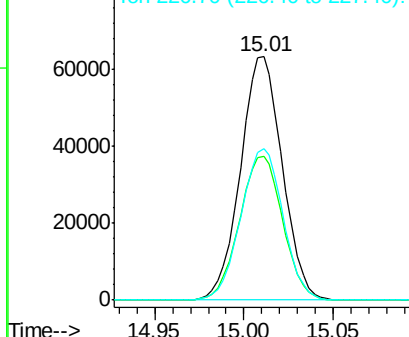
225 100

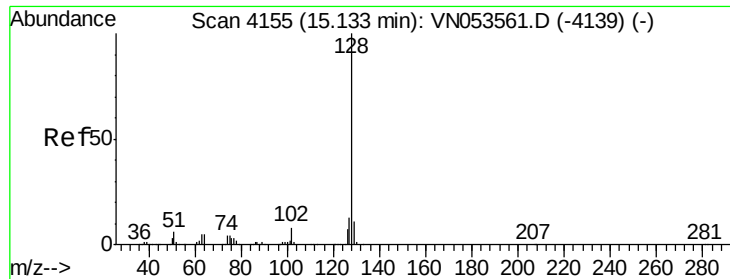
223 61.2 31.1 93.2

227 62.5 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.876 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBS01

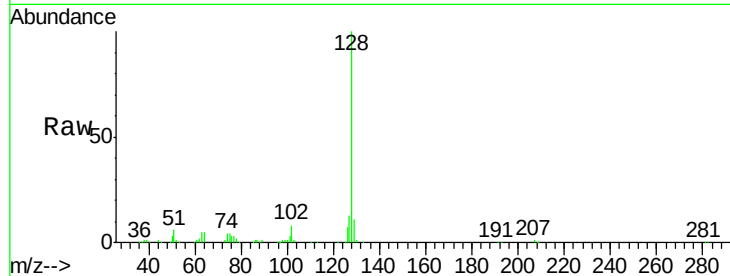
Tot Ion:128 Resp: 270181

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

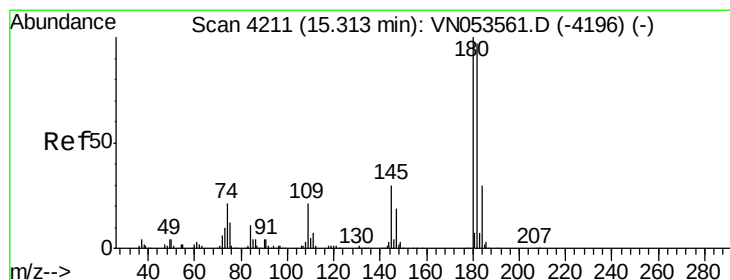
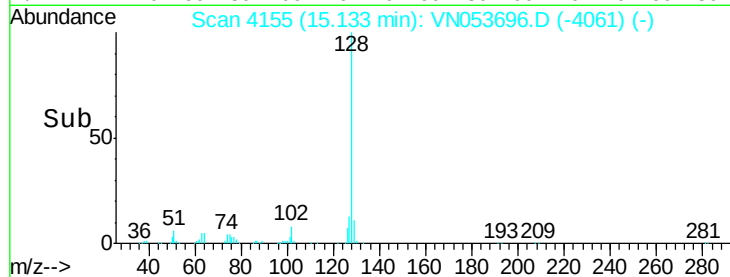
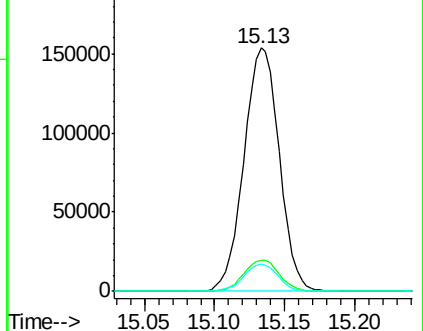
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.639 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053696.D

Acq: 11 Feb 2019 11:25

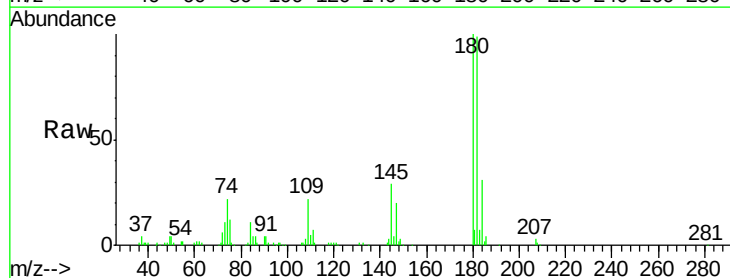
Tgt Ion:180 Resp: 135799

Ion Ratio Lower Upper

180 100

182 96.0 47.9 143.8

145 29.3 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

