

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021119\
 Data File : VN053713.D
 Acq On : 11 Feb 2019 19:01
 Operator : JC/SP
 Sample : VN0211WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBSD01

Quant Time: Feb 11 22:11:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	581884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	974451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	841114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	395824	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	340279	58.29	ug/l	0.00
Spiked Amount			Recovery	=	116.58%	
35) Dibromofluoromethane	7.59	113	319861	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
50) Toluene-d8	10.09	98	1178992	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.40	95	389512	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	131236	20.208	ug/l	99
3) Chloromethane	2.06	50	142653	20.650	ug/l	99
4) Vinyl Chloride	2.19	62	141502	21.101	ug/l	99
5) Bromomethane	2.57	94	85394	19.475	ug/l	100
6) Chloroethane	2.71	64	90336	23.573	ug/l	97
7) Trichlorofluoromethane	3.02	101	200204	22.015	ug/l	98
8) Diethyl Ether	3.41	74	74044	22.295	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	119993	21.335	ug/l	98
10) Methyl Iodide	3.96	142	129527	14.673	ug/l	99
11) Tert butyl alcohol	4.79	59	40855	118.258	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	114015	21.159	ug/l	96
13) Acrolein	3.61	56	16309	86.706	ug/l	100
14) Allyl chloride	4.33	41	182492	21.271	ug/l	99
15) Acrylonitrile	4.99	53	221447	118.736	ug/l	99
16) Acetone	3.82	43	142340	95.064	ug/l	98
17) Carbon Disulfide	4.06	76	319340	19.033	ug/l	100
18) Methyl Acetate	4.33	43	113766	25.656	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	316775	23.190	ug/l	99
20) Methylene Chloride	4.56	84	137941	21.959	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	122685	21.104	ug/l	94
22) Diisopropyl ether	5.95	45	350727	22.062	ug/l	95
23) Vinyl Acetate	5.90	43	1217290	110.689	ug/l	99
24) 1,1-Dichloroethane	5.85	63	231276	21.812	ug/l	99
25) 2-Butanone	6.84	43	230233	107.812	ug/l	100
26) 2,2-Dichloropropane	6.83	77	148972	18.405	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	142322	22.017	ug/l	97
28) Bromochloromethane	7.20	49	100429	21.826	ug/l	95
29) Tetrahydrofuran	7.21	42	161610	117.854	ug/l	98
30) Chloroform	7.37	83	234293	22.291	ug/l	99
31) Cyclohexane	7.66	56	202661	20.429	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	193584	22.131	ug/l	99
36) 1,1-Dichloropropene	7.79	75	163793	18.647	ug/l	98
37) Ethyl Acetate	6.93	43	104773	21.356	ug/l	99
38) Carbon Tetrachloride	7.77	117	166846	18.855	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	182667	17.528	ug/l	98
40) Benzene	8.04	78	531921	19.637	ug/l	100
41) Methacrylonitrile	7.18	41	52562	19.170	ug/l #	85
42) 1,2-Dichloroethane	8.12	62	158135	19.661	ug/l	99
43) Isopropyl Acetate	8.17	43	197513	20.847	ug/l	97
44) Trichloroethene	8.84	130	149065	19.330	ug/l	96
45) 1,2-Dichloropropane	9.12	63	140009	20.208	ug/l	97
46) Dibromomethane	9.21	93	84022	20.118	ug/l	97
47) Bromodichloromethane	9.40	83	175729	20.236	ug/l	99
48) Methyl methacrylate	9.20	41	94258	20.842	ug/l	99
49) 1,4-Dioxane	9.20	88	28235	453.113	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	497973	106.959	ug/l	99
52) Toluene	10.16	92	321848	20.020	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	166606	19.160	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	199616	19.373	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	122262	21.105	ug/l	98
56) Ethyl methacrylate	10.43	69	142463	20.788	ug/l	98
57) 1,3-Dichloropropane	10.71	76	201435	20.346	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	324721	81.964	ug/l	99
59) 2-Hexanone	10.75	43	311627	98.596	ug/l	99
60) Dibromochloromethane	10.90	129	132893	20.343	ug/l	100
61) 1,2-Dibromoethane	11.01	107	112798	19.673	ug/l	99
64) Tetrachloroethene	10.63	164	138948	19.271	ug/l	99
65) Chlorobenzene	11.44	112	348635	19.514	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	127913	20.500	ug/l	100
67) Ethyl Benzene	11.51	91	576624	19.647	ug/l	99
68) m/p-Xylenes	11.62	106	453899	40.522	ug/l	98
69) o-Xylene	11.95	106	217422	20.092	ug/l	100
70) Styrene	11.96	104	352489	20.097	ug/l	99
71) Bromoform	12.13	173	90414	21.136	ug/l #	100
73) Isopropylbenzene	12.25	105	574574	20.649	ug/l	100
74) N-amyl acetate	12.07	43	142767	21.337	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	140088	21.036	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	166210	32.692	ug/l #	100
77) Bromobenzene	12.53	156	154194	20.561	ug/l	97
78) n-propylbenzene	12.59	91	658971	20.486	ug/l	99
79) 2-Chlorotoluene	12.67	91	393973	20.644	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	491734	21.311	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34252	18.944	ug/l	99
82) 4-Chlorotoluene	12.77	91	394222	20.131	ug/l	100
83) tert-Butylbenzene	12.99	119	440486	21.599	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	495969	21.097	ug/l	99
85) sec-Butylbenzene	13.17	105	588832	21.218	ug/l	99
86) p-Isopropyltoluene	13.29	119	504765	20.797	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	263893	19.575	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	264506	19.835	ug/l	99
89) n-Butylbenzene	13.62	91	414604	19.735	ug/l	99
90) Hexachloroethane	13.88	117	85377	21.326	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	263574	20.422	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21122	22.255	ug/l	99

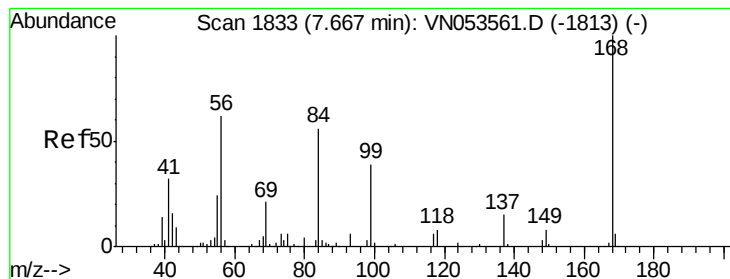
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021119\
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Quant Time: Feb 11 22:11:46 2019
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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141001	19.049	ug/l	98
94) Hexachlorobutadiene	15.01	225	100046	21.703	ug/l	100
95) Naphthalene	15.13	128	288274	17.740	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	136807	19.919	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampled :

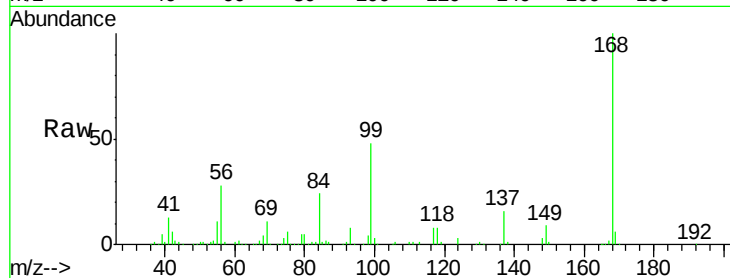
VN0211WBSD01

Tot Ion:168 Resp: 581884

Ion Ratio Lower Upper

168 100

99 46.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

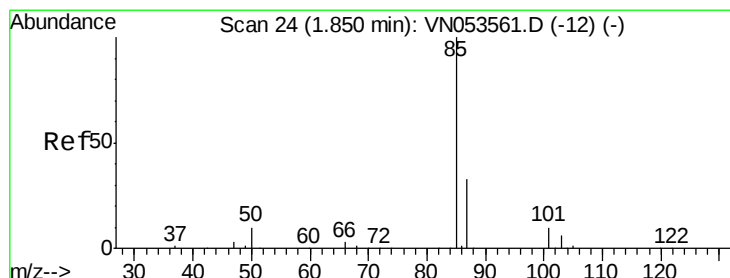
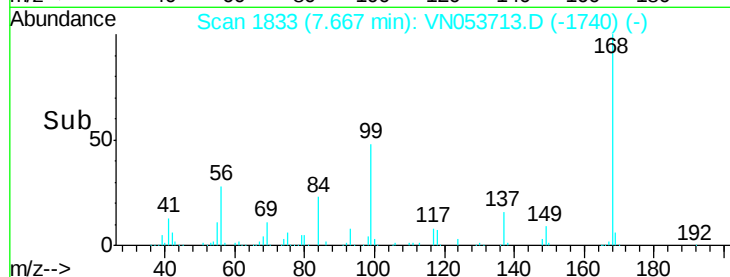
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.208 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053713.D

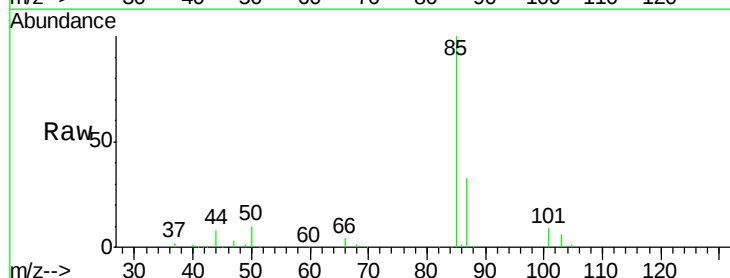
Acq: 11 Feb 2019 19:01

Tgt Ion: 85 Resp: 131236

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

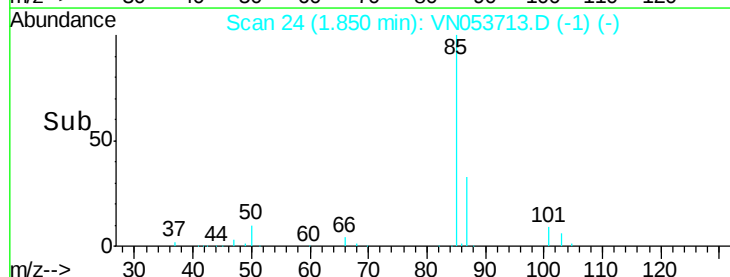
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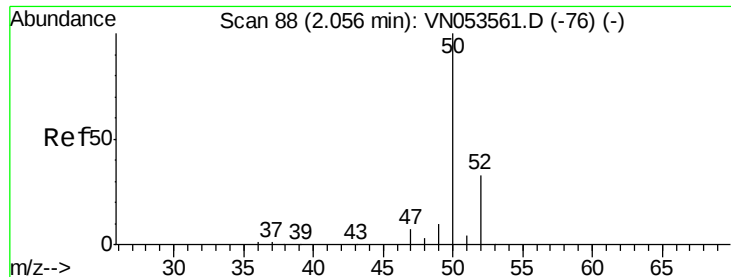
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.650 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

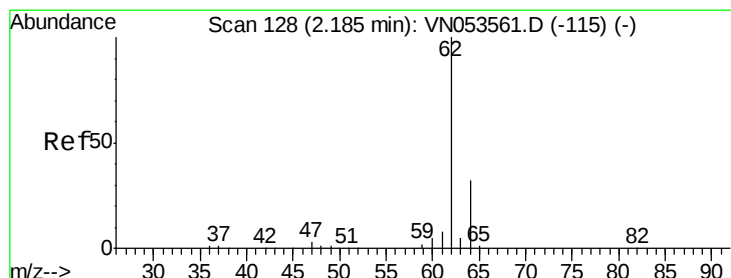
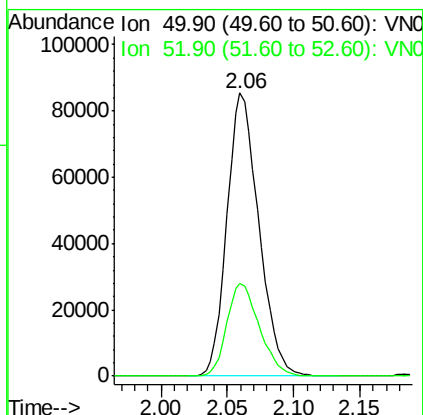
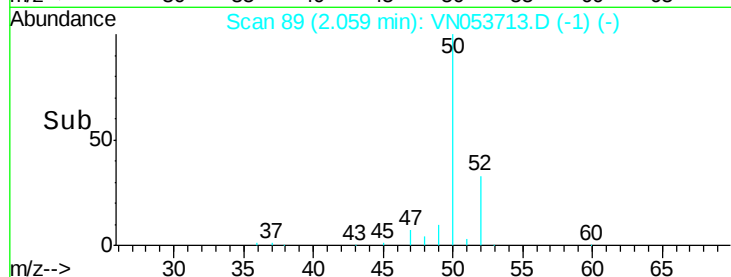
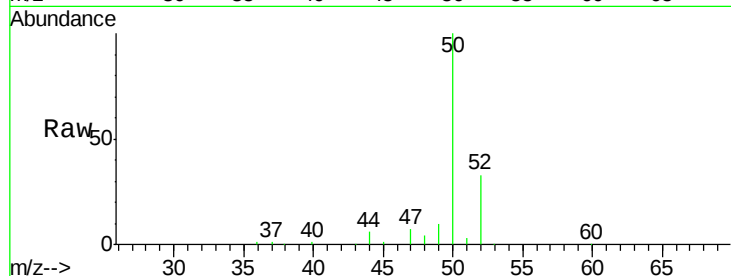
VN0211WBSD01

Tot Ion: 50 Resp: 142653

Ion Ratio Lower Upper

50 100

52 32.9 26.6 40.0



#4

Vinyl Chloride

Concen: 21.101 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053713.D

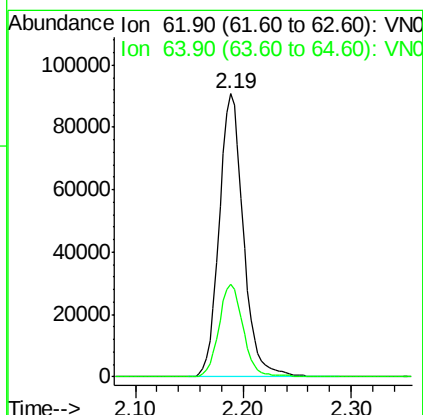
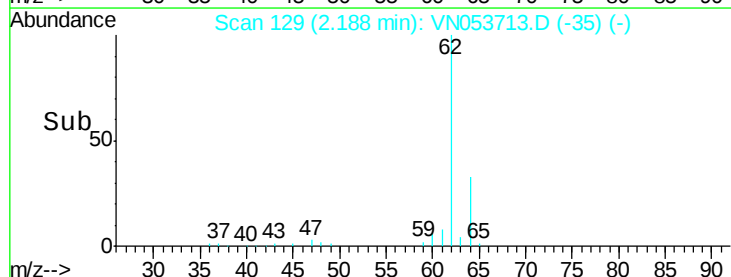
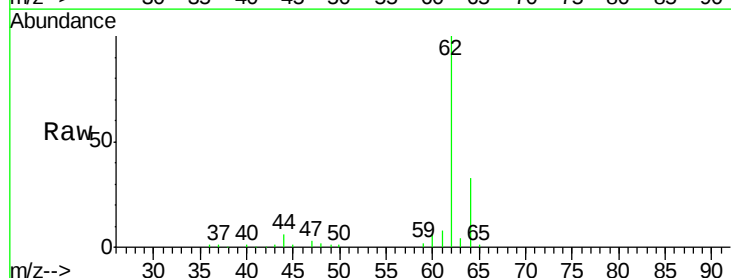
Acq: 11 Feb 2019 19:01

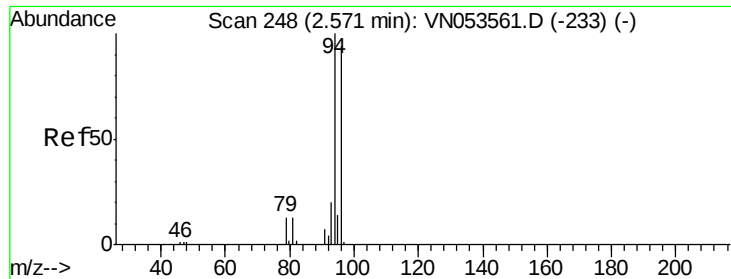
Tgt Ion: 62 Resp: 141502

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 19.475 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

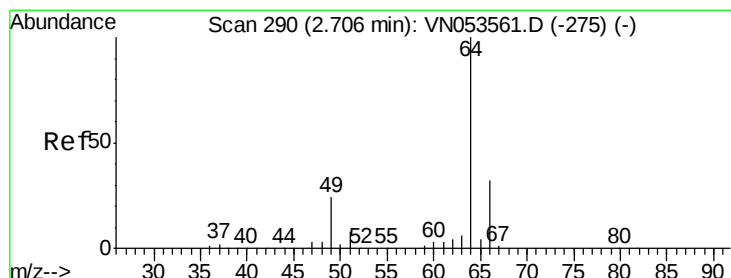
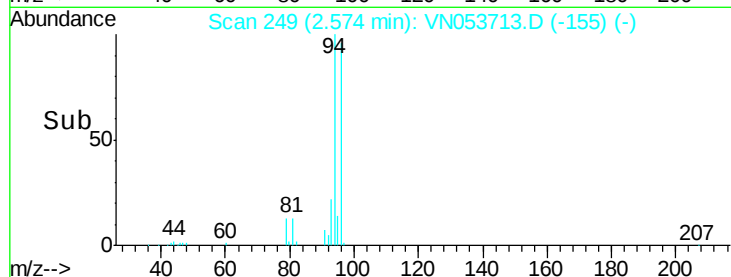
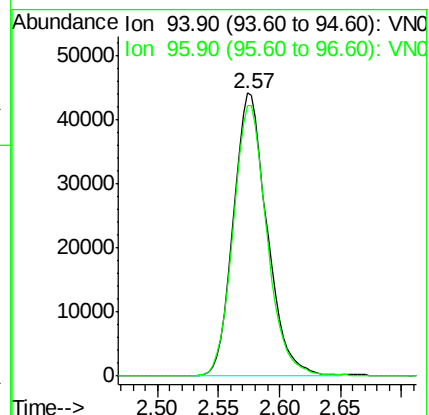
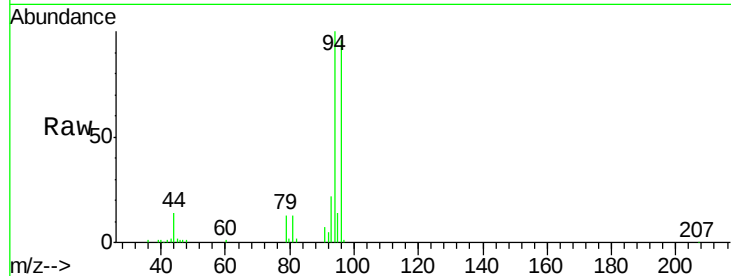
VN0211WBSD01

Tot Ion: 94 Resp: 85394

Ion Ratio Lower Upper

94 100

96 95.7 76.8 115.2



#6

Chloroethane

Concen: 23.573 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053713.D

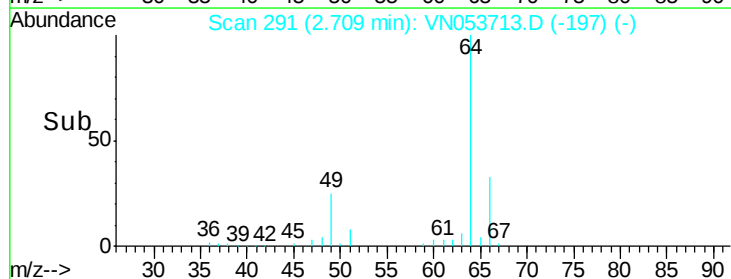
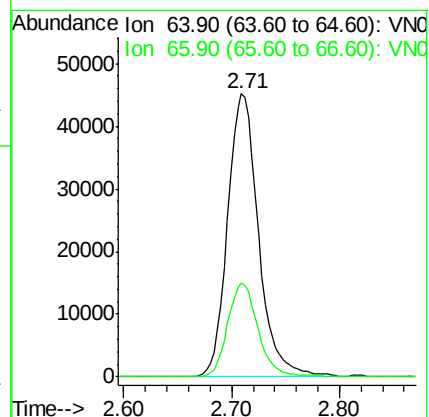
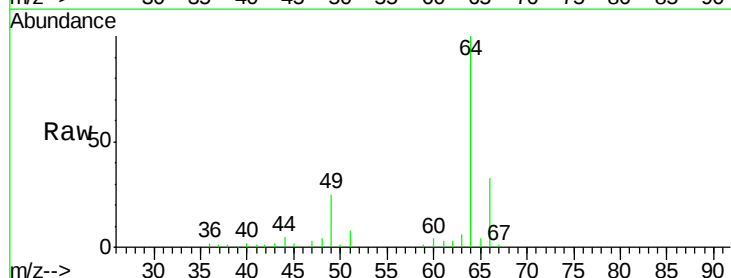
Acq: 11 Feb 2019 19:01

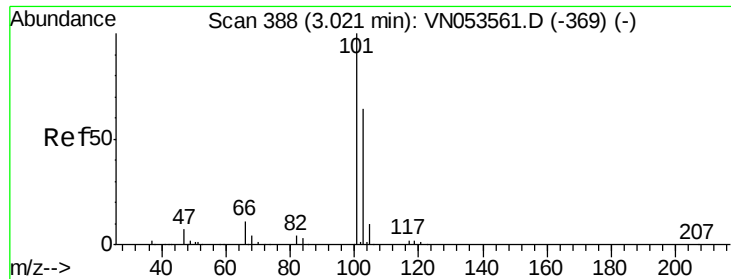
Tgt Ion: 64 Resp: 90336

Ion Ratio Lower Upper

64 100

66 33.3 25.1 37.7



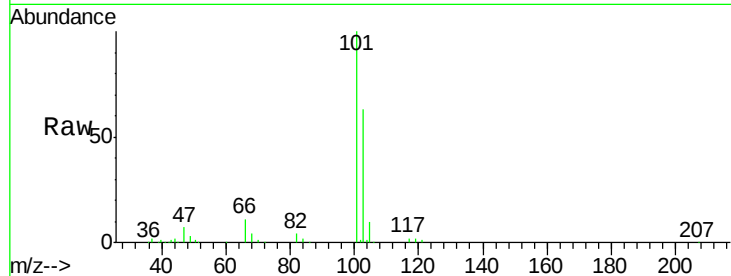


#7

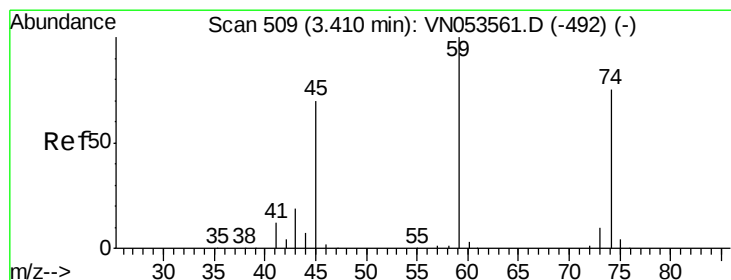
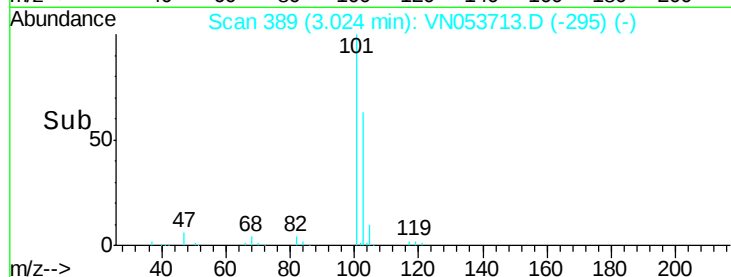
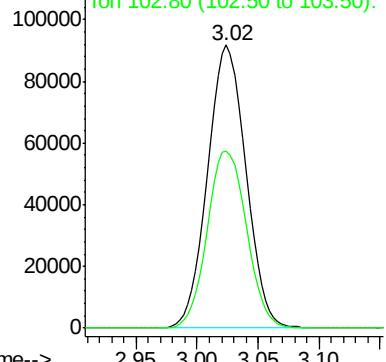
Trichlorofluoromethane
Concen: 22.015 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion:101 Resp: 200204
Ion Ratio Lower Upper
101 100
103 62.8 51.6 77.4



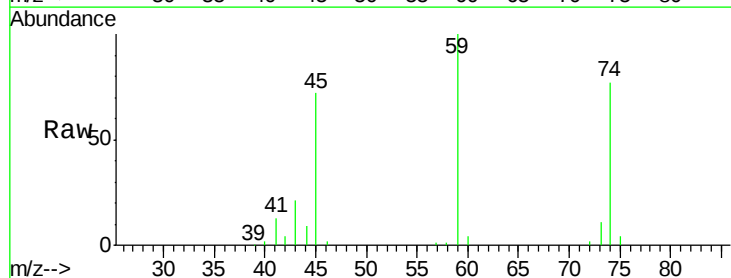
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



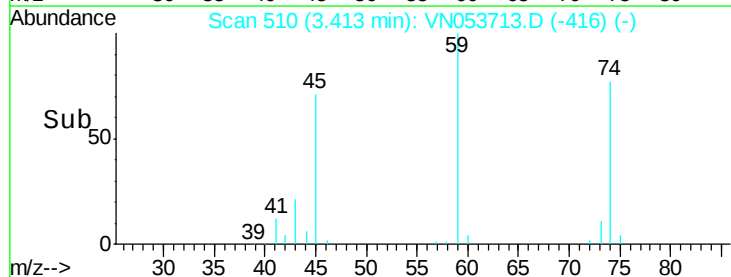
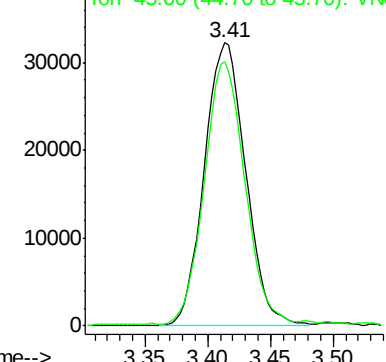
#8

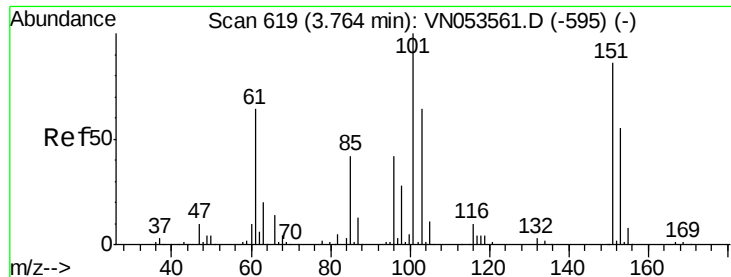
Diethyl Ether
Concen: 22.295 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion: 74 Resp: 74044
Ion Ratio Lower Upper
74 100
45 90.4 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.335 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

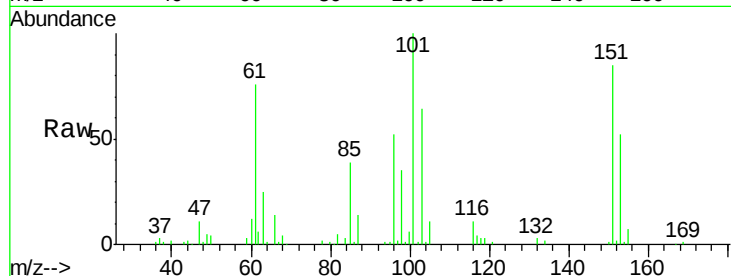
Tot Ion:101 Resp: 119993

Ion Ratio Lower Upper

101 100

85 40.3 32.8 49.2

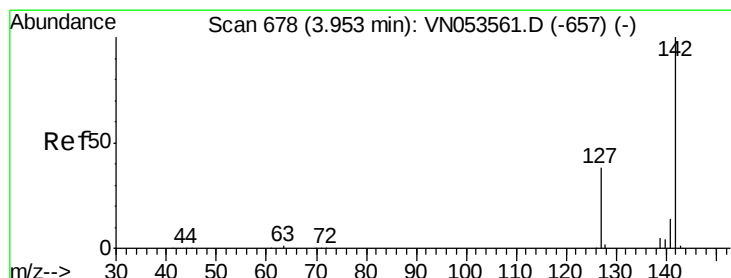
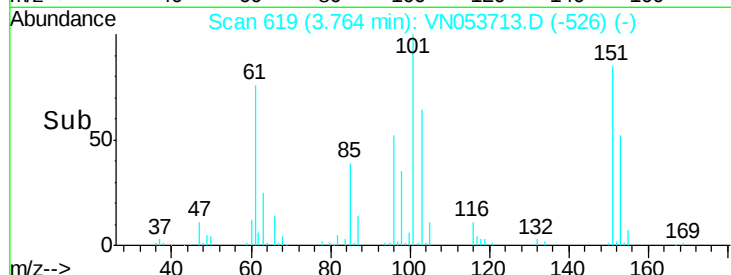
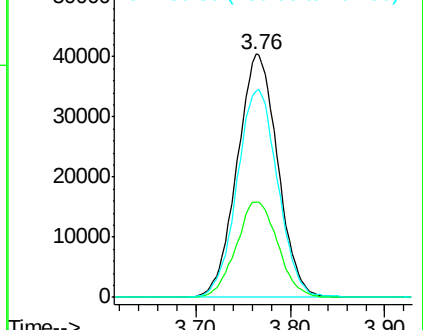
151 86.2 66.9 100.3



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: 14.673 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

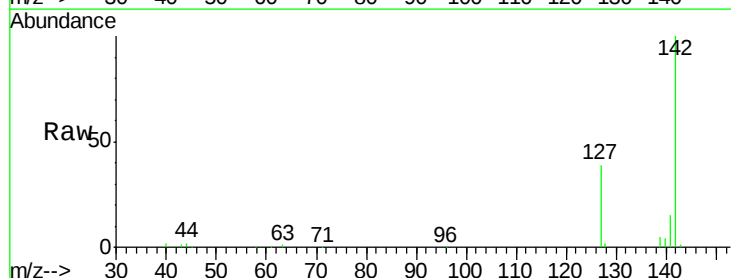
Tgt Ion:142 Resp: 129527

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.4

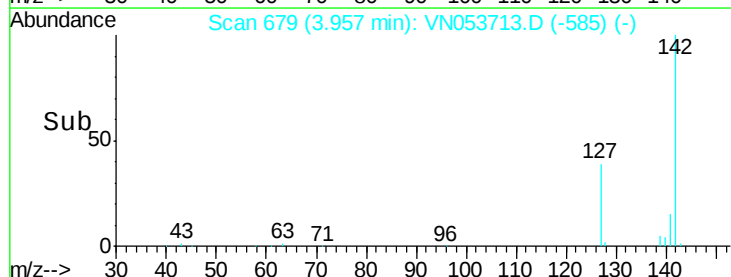
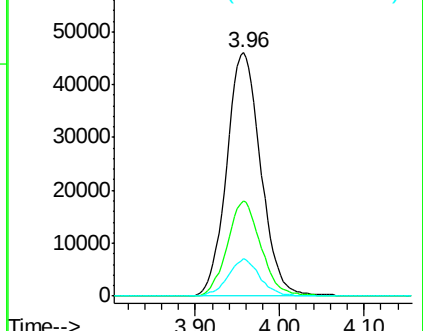
141 14.3 11.1 16.7

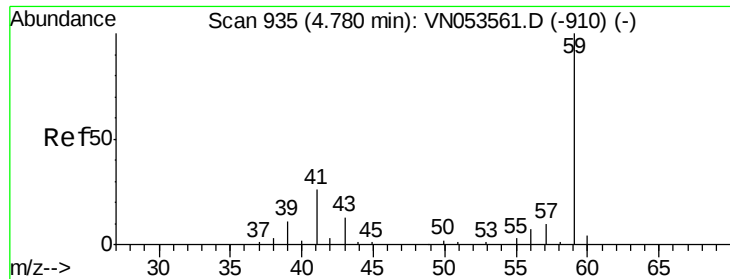


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

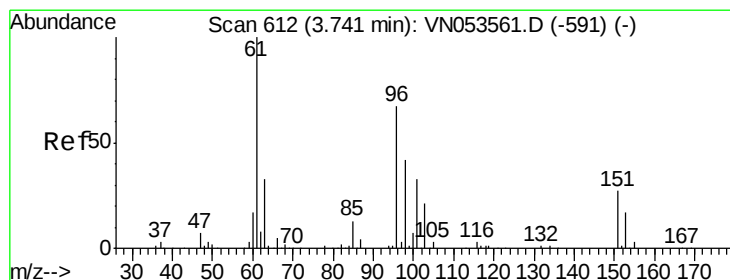
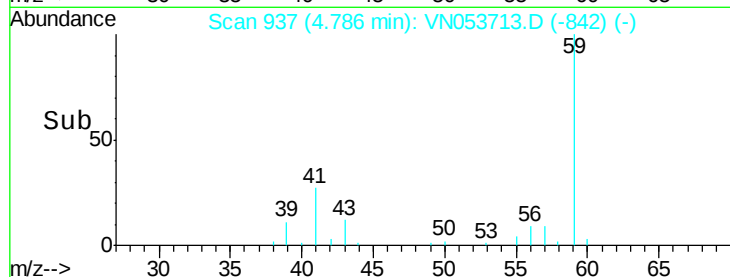
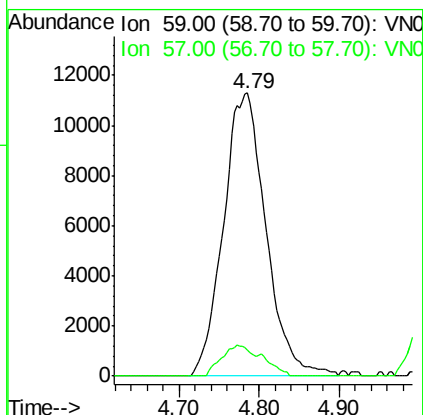
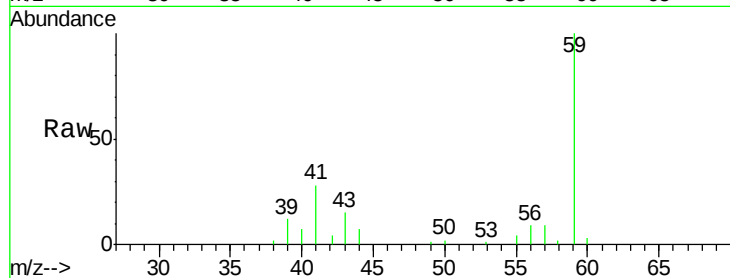




#11
Tert butyl alcohol
Concen: 118.258 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

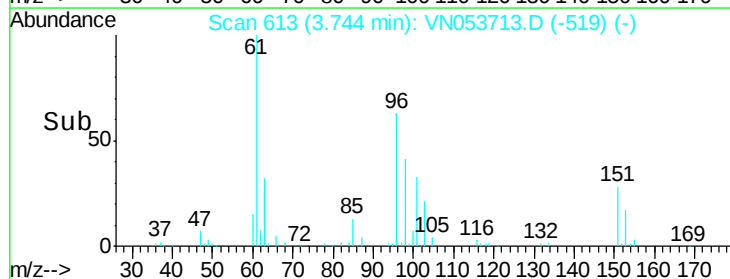
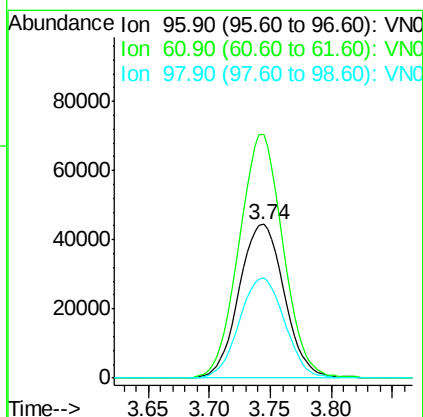
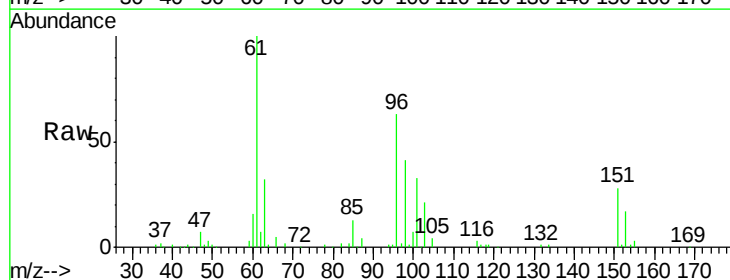
Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

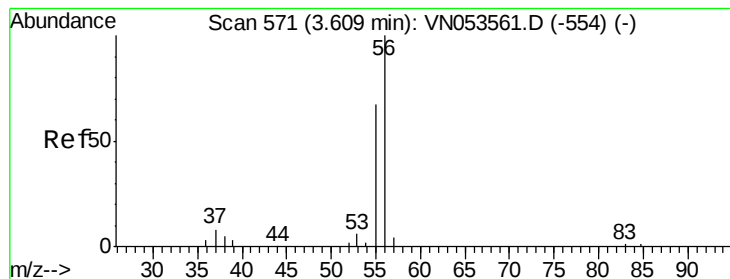
Tot Ion: 59 Resp: 40855
Ion Ratio Lower Upper
59 100
57 7.7 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 21.159 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion: 96 Resp: 114015
Ion Ratio Lower Upper
96 100
61 158.0 122.9 184.3
98 64.8 49.4 74.0





#13

Acrolein

Concen: 86.706 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

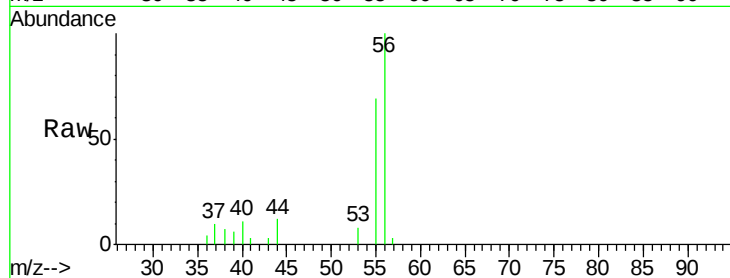
VN0211WBSD01

Tot Ion: 56 Resp: 16309

Ion Ratio Lower Upper

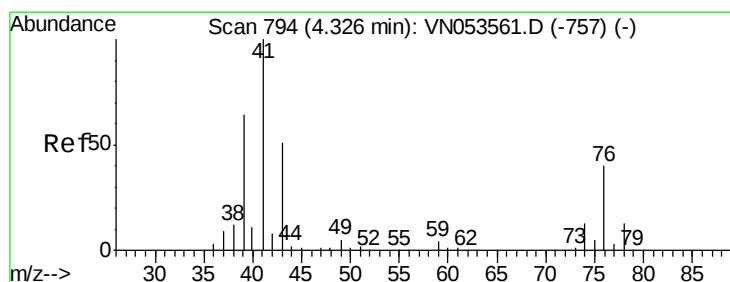
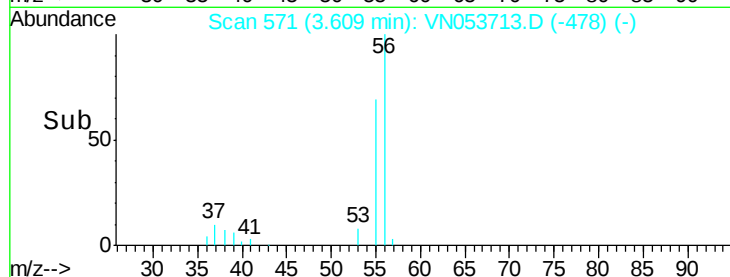
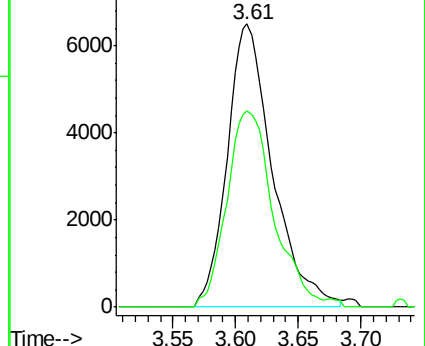
56 100

55 71.5 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 21.271 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

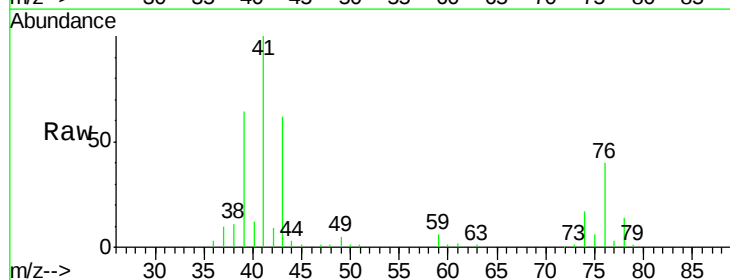
Tgt Ion: 41 Resp: 182492

Ion Ratio Lower Upper

41 100

39 61.5 48.9 73.3

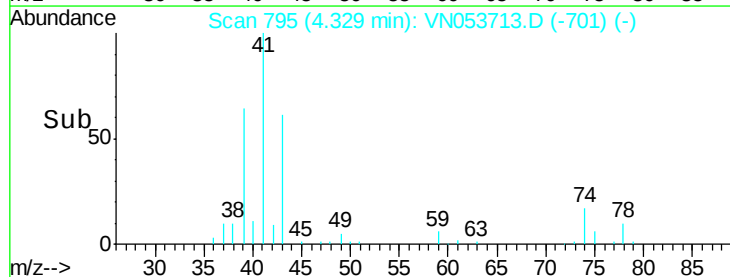
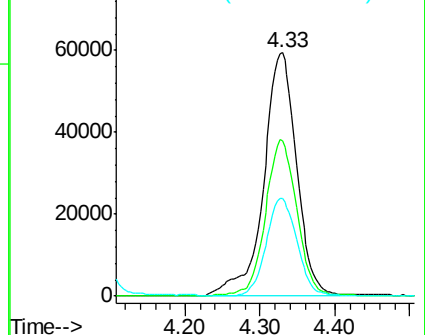
76 37.6 29.4 44.2

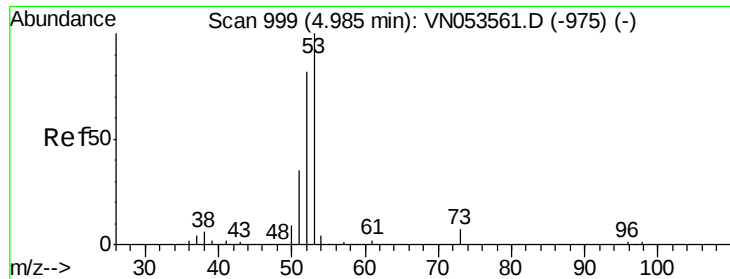


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 118.736 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

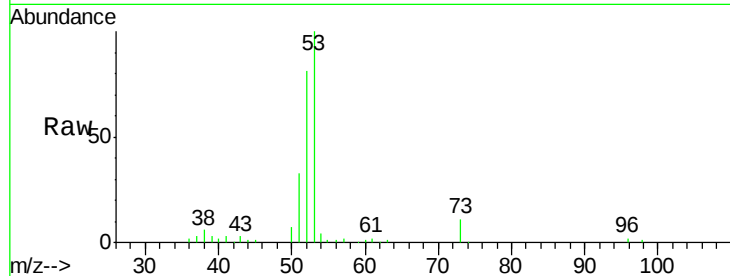
Tot Ion: 53 Resp: 221447

Ion Ratio Lower Upper

53 100

52 82.2 66.0 99.0

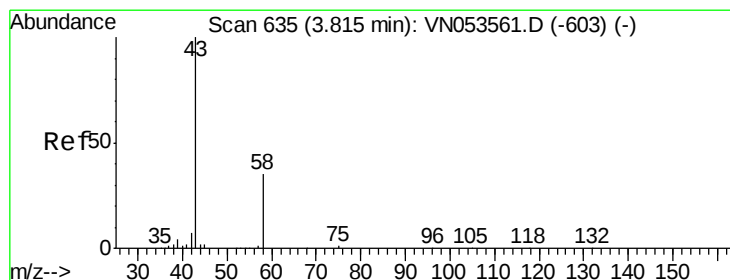
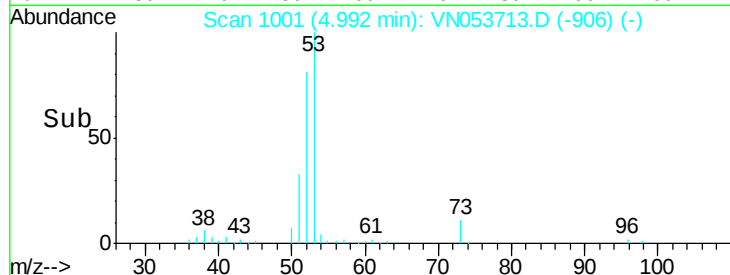
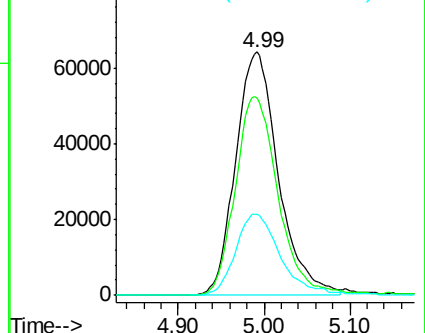
51 34.8 28.3 42.5



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: 95.064 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053713.D

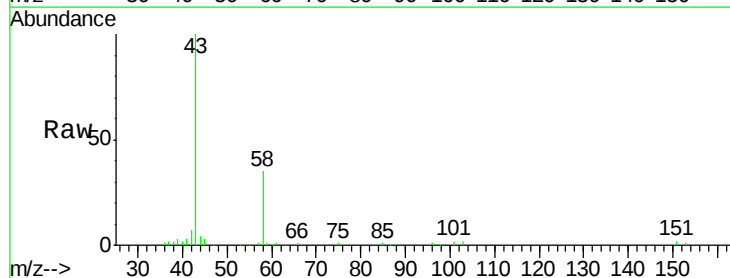
Acq: 11 Feb 2019 19:01

Tgt Ion: 43 Resp: 142340

Ion Ratio Lower Upper

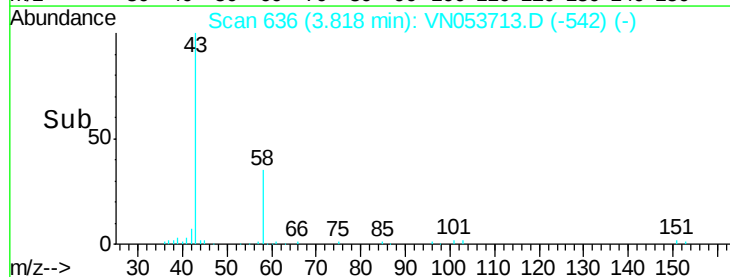
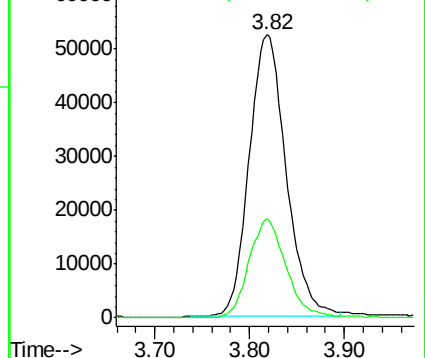
43 100

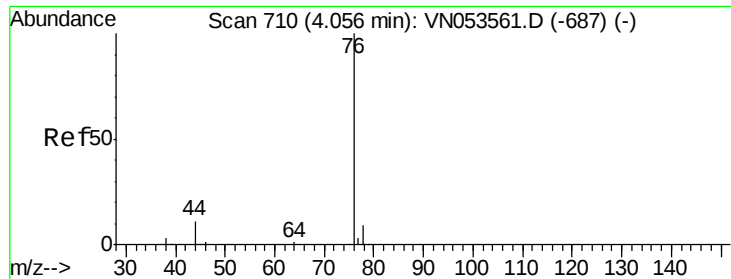
58 35.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

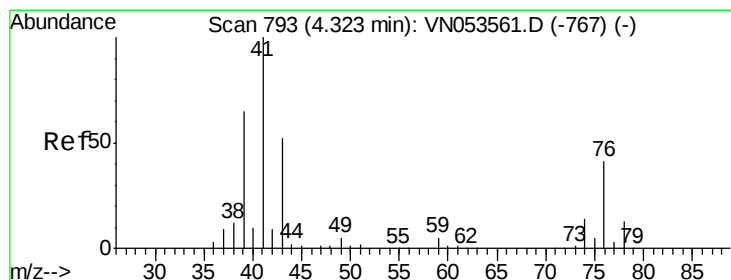
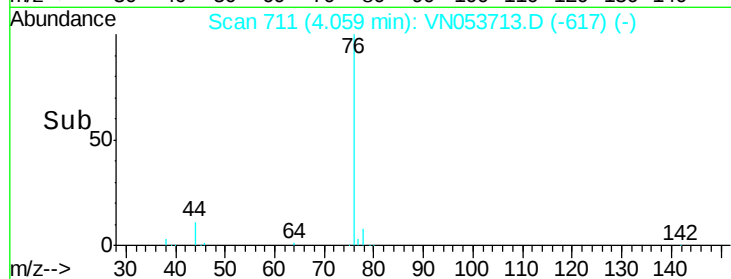
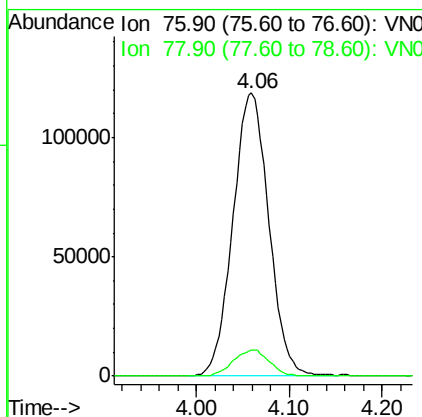
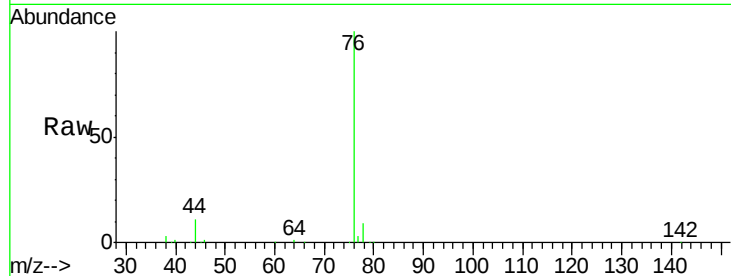




#17
Carbon Disulfide
Concen: 19.033 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

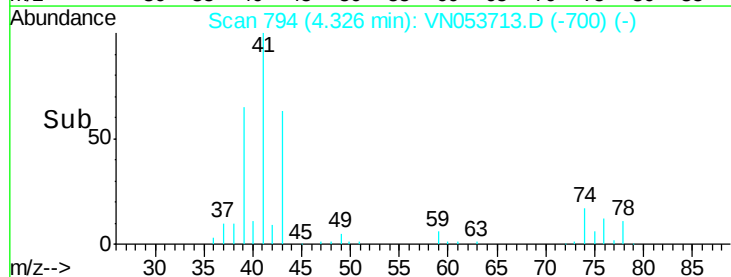
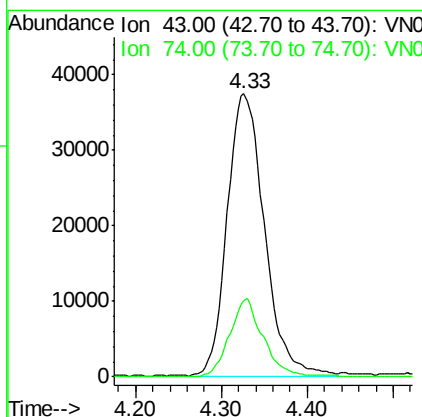
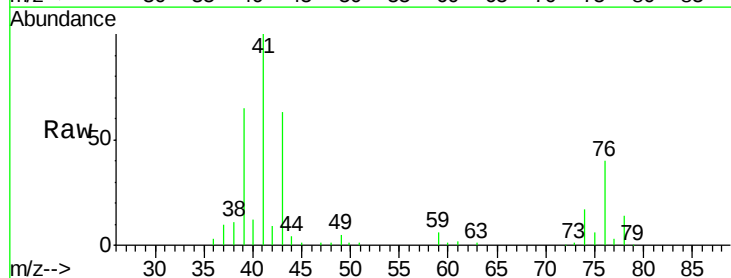
Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

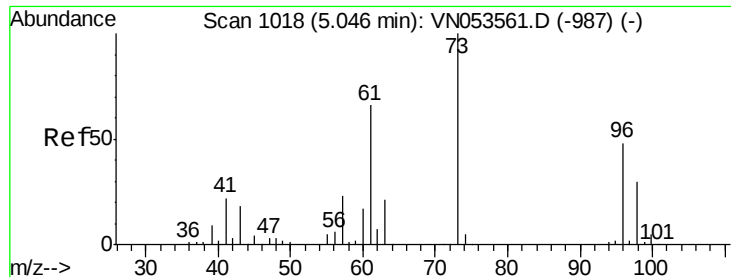
Tot Ion: 76 Resp: 319340
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 25.656 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion: 43 Resp: 113766
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.2

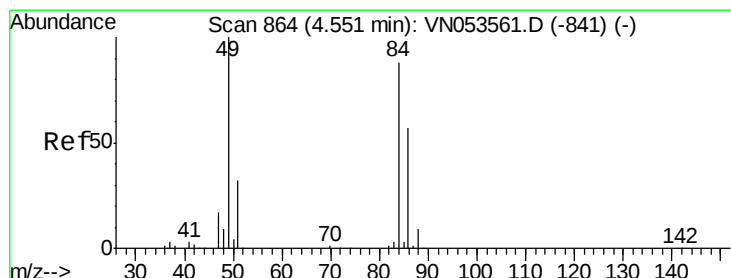
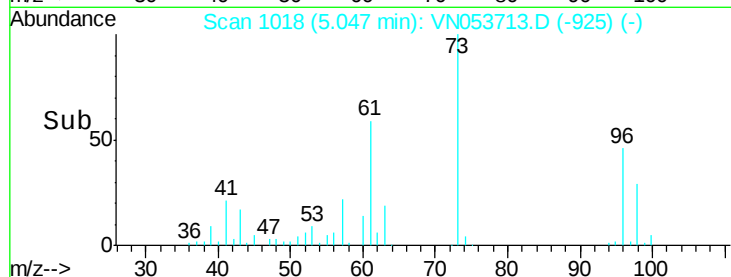
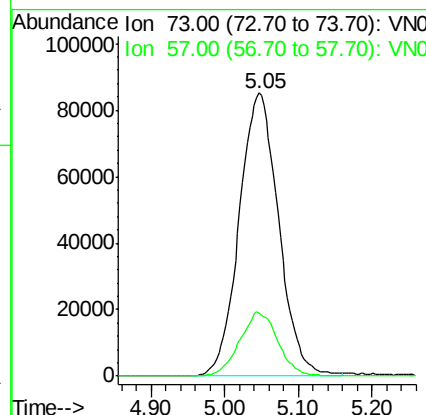
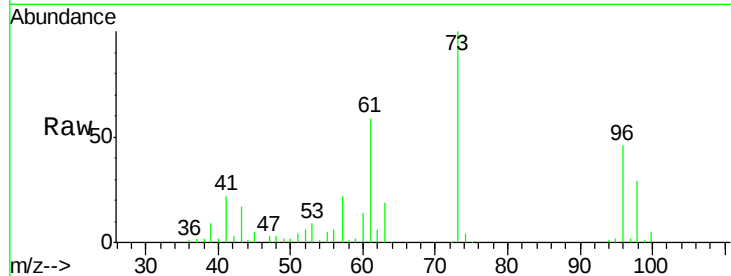




#19
Methyl tert-butyl Ether
Concen: 23.190 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

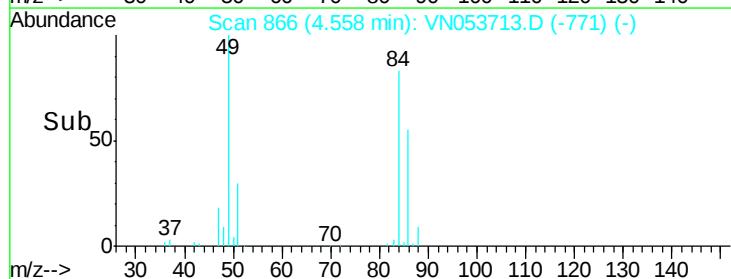
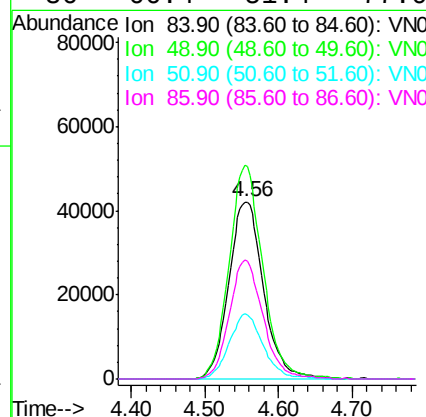
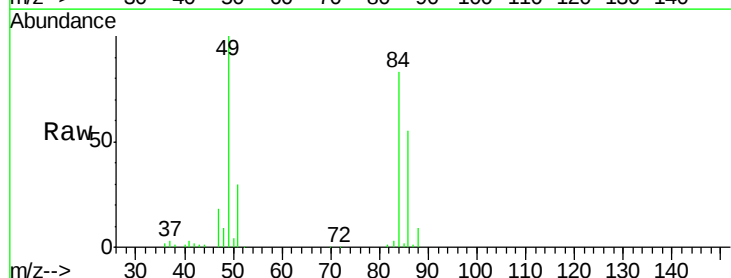
Instrument :
MSVOA_N
ClientSampled :
VN0211WBSD01

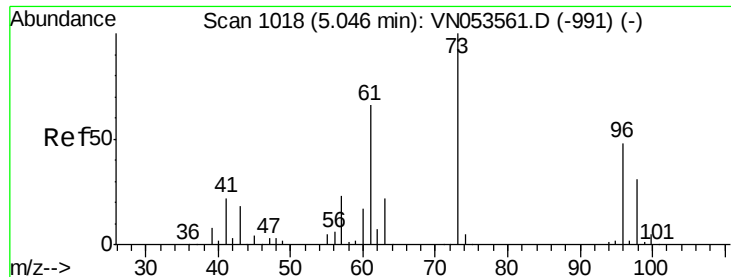
Tot Ion: 73 Resp: 316775
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5



#20
Methylene Chloride
Concen: 21.959 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion: 84 Resp: 137941
Ion Ratio Lower Upper
84 100
49 119.8 94.3 141.5
51 36.0 29.4 44.2
86 66.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 21.104 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

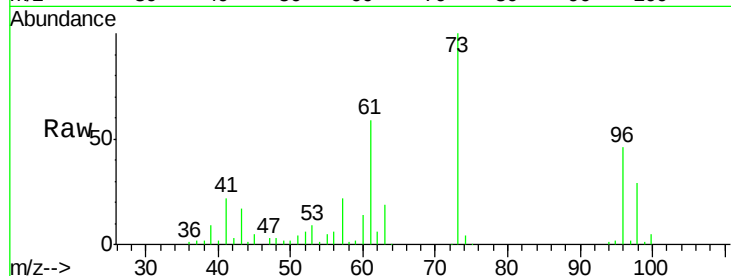
Tot Ion: 96 Resp: 122685

Ion Ratio Lower Upper

96 100

61 128.5 110.1 165.1

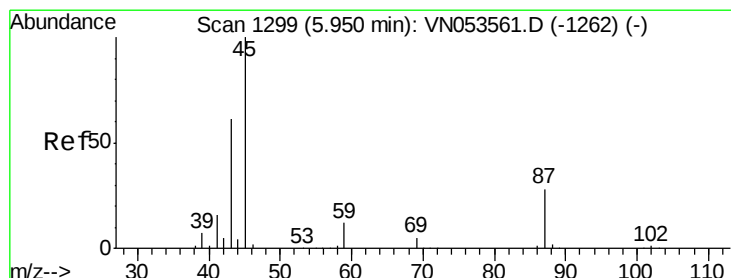
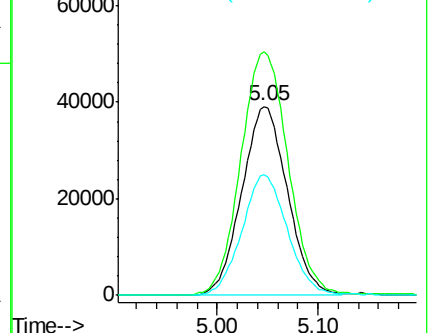
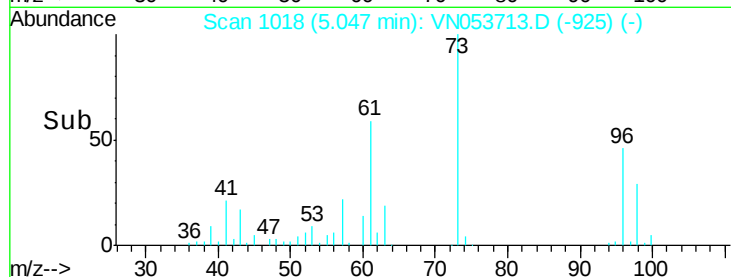
98 63.8 50.0 75.0



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: 22.062 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Tgt Ion: 45 Resp: 350727

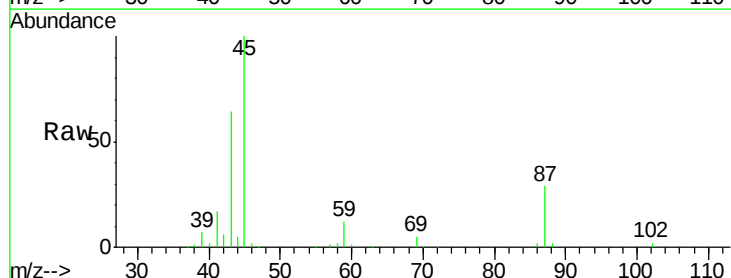
Ion Ratio Lower Upper

45 100

43 61.9 44.2 66.4

87 28.2 22.7 34.1

59 11.6 9.4 14.2

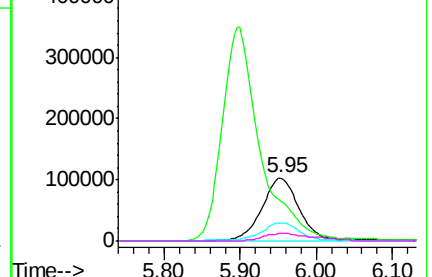
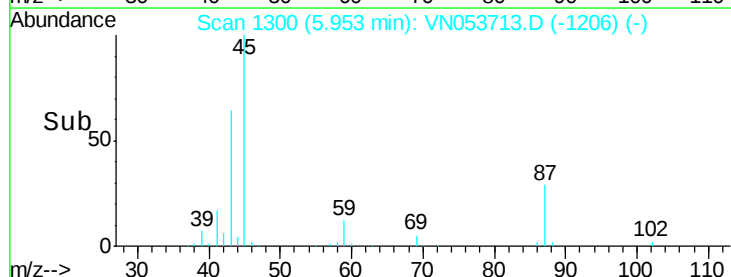


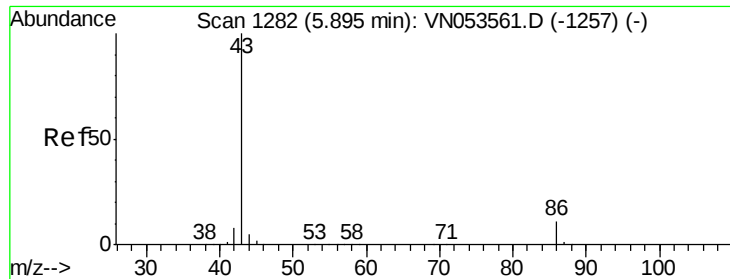
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 110.689 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

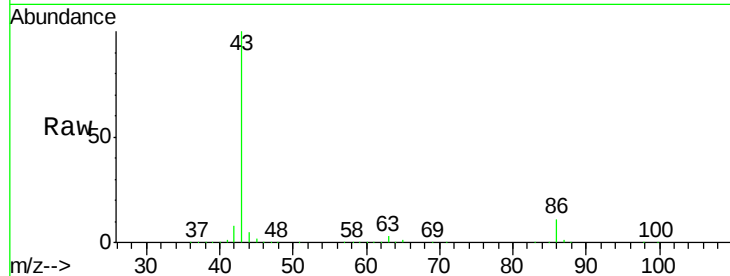
VN0211WBSD01

Tot Ion: 43 Resp: 1217290

Ion Ratio Lower Upper

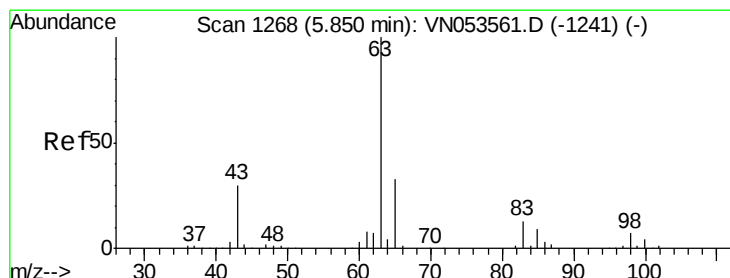
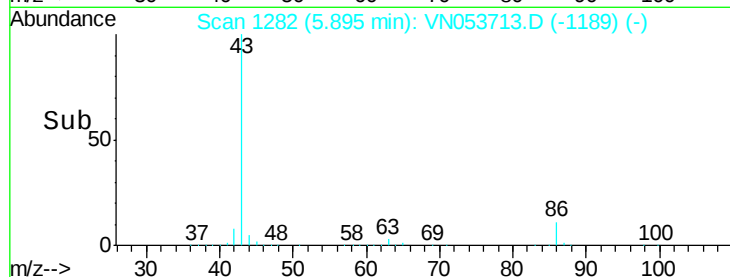
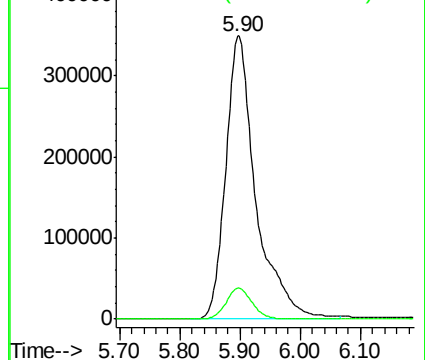
43 100

86 11.0 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: 21.812 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

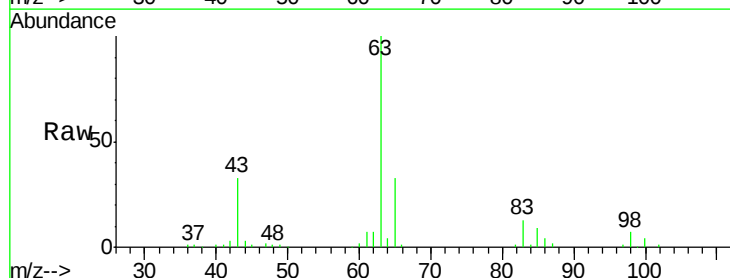
Tgt Ion: 63 Resp: 231276

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

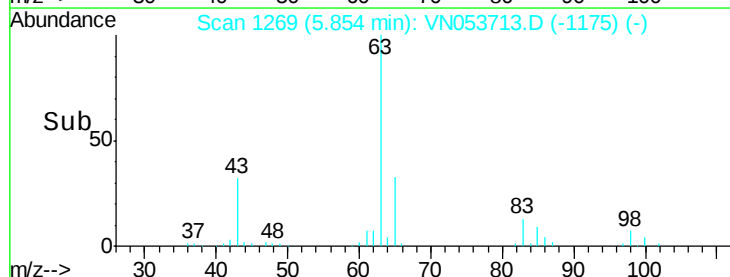
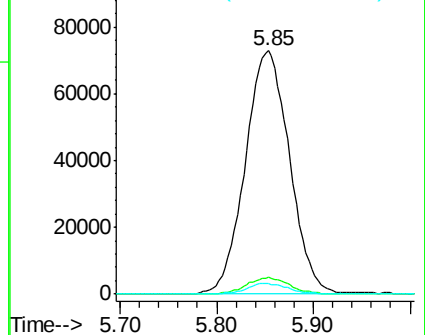
100 4.2 2.1 6.5

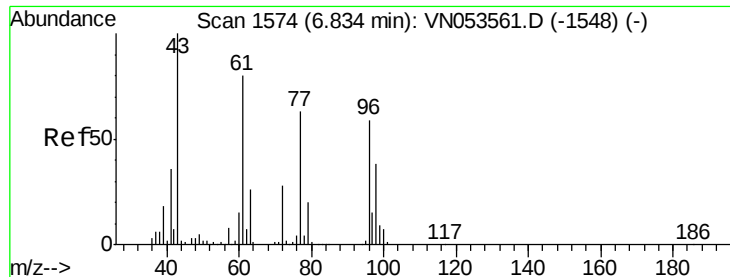


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 107.812 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

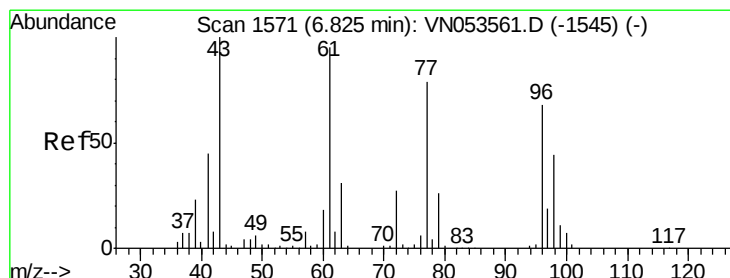
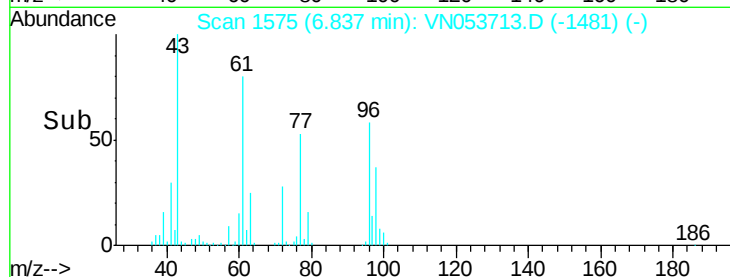
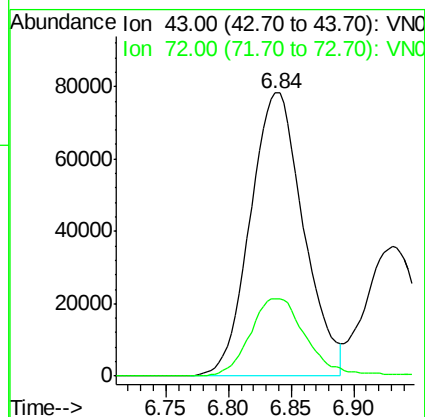
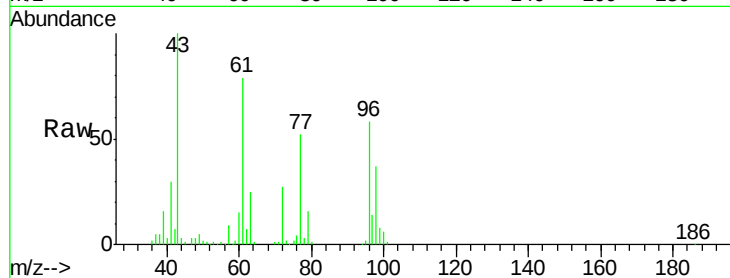
VN0211WBSD01

Tot Ion: 43 Resp: 230233

Ion Ratio Lower Upper

43 100

72 27.5 22.0 33.0



#26

2,2-Dichloropropane

Concen: 18.405 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053713.D

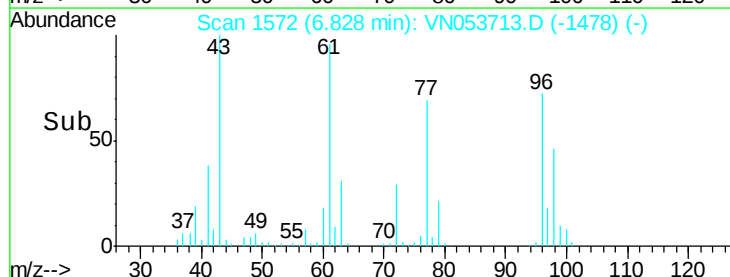
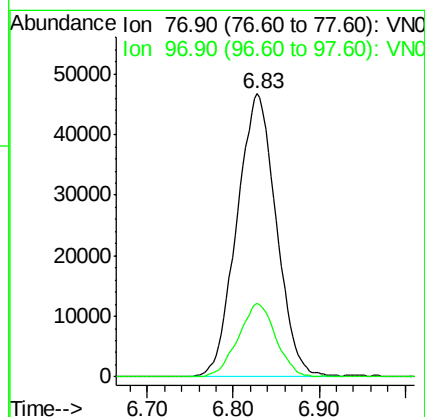
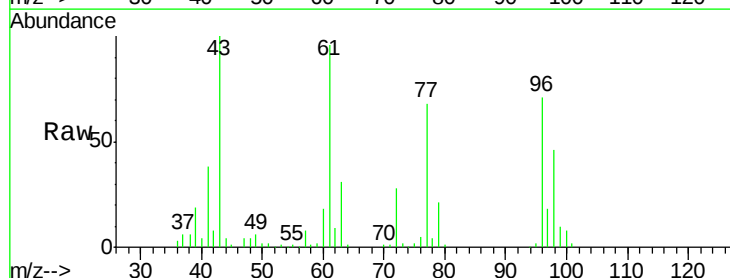
Acq: 11 Feb 2019 19:01

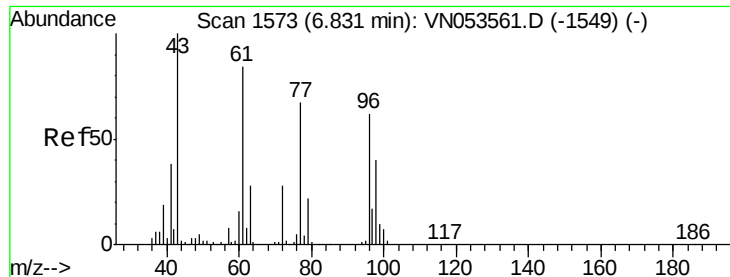
Tgt Ion: 77 Resp: 148972

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 22.017 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

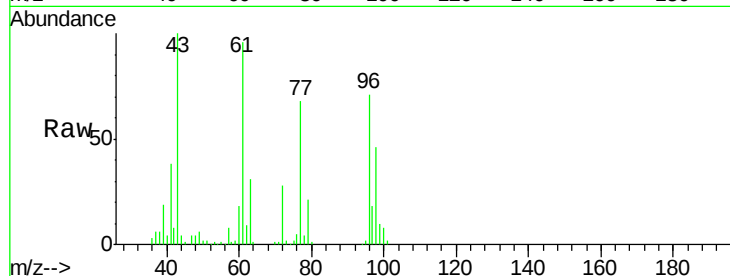
Tot Ion: 96 Resp: 142322

Ion Ratio Lower Upper

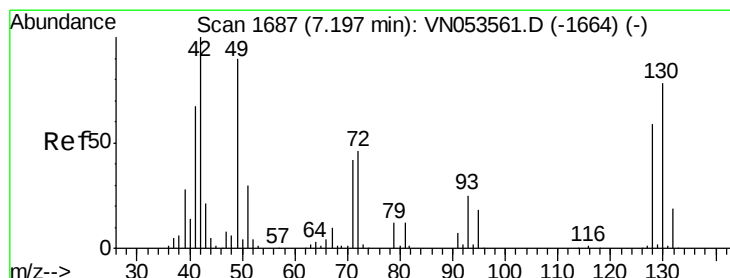
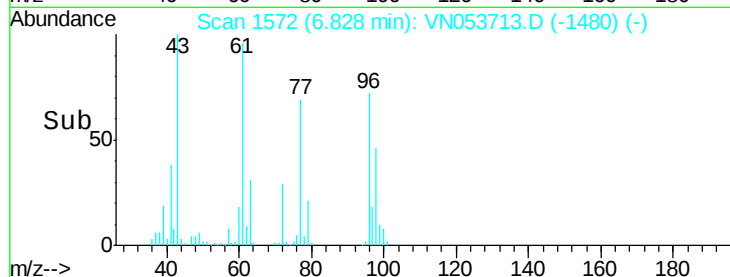
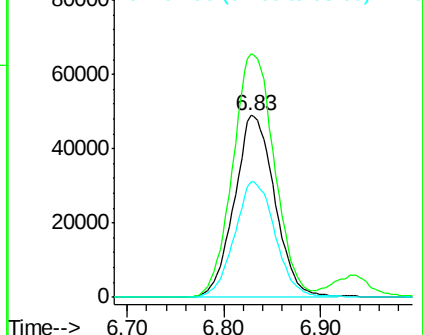
96 100

61 137.8 0.0 283.8

98 64.0 0.0 129.2



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



#28

Bromochloromethane

Concen: 21.826 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

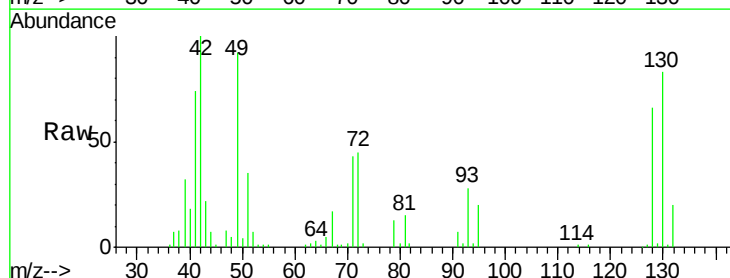
Tgt Ion: 49 Resp: 100429

Ion Ratio Lower Upper

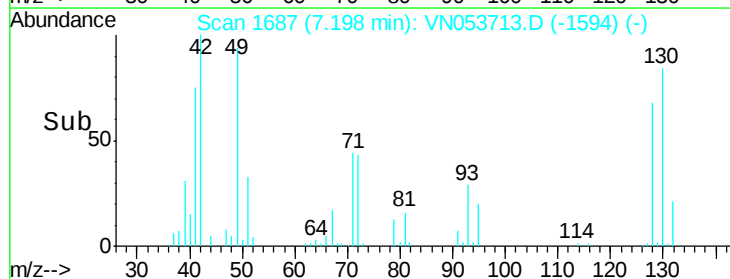
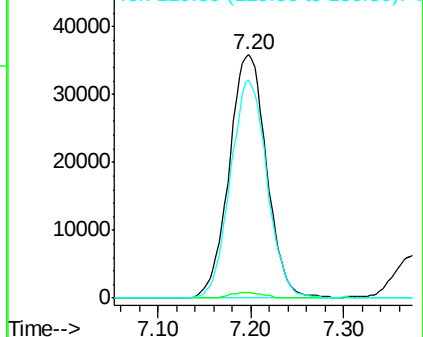
49 100

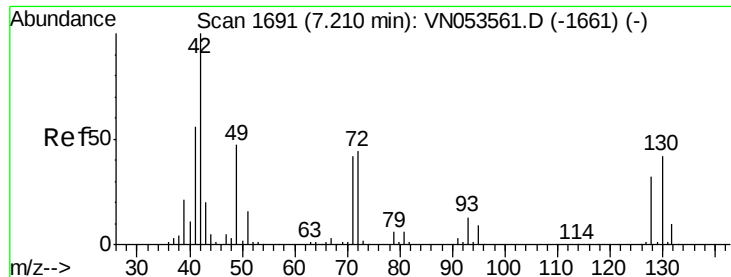
129 2.0 0.0 4.0

130 87.6 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

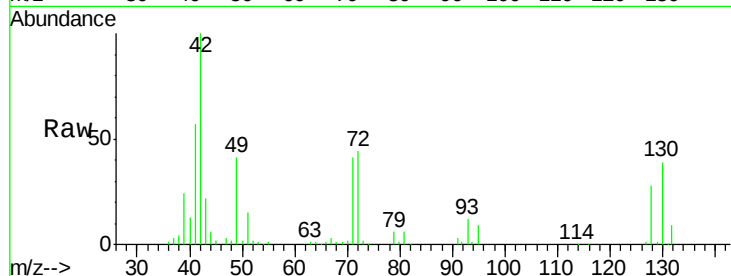




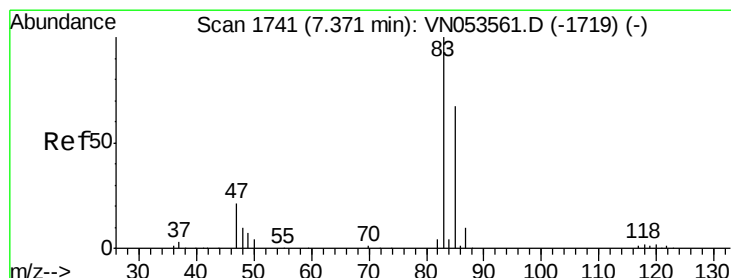
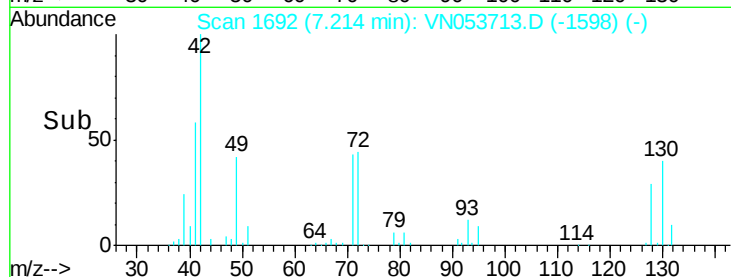
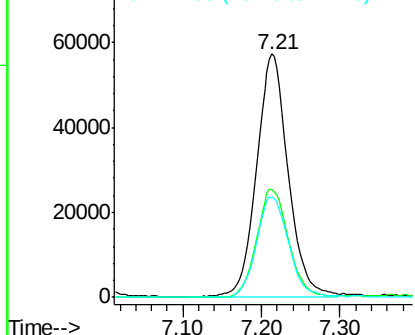
#29
Tetrahydrofuran
Concen: 117.854 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion: 42 Resp: 161610
Ion Ratio Lower Upper
42 100
72 45.5 35.2 52.8
71 42.5 33.0 49.4

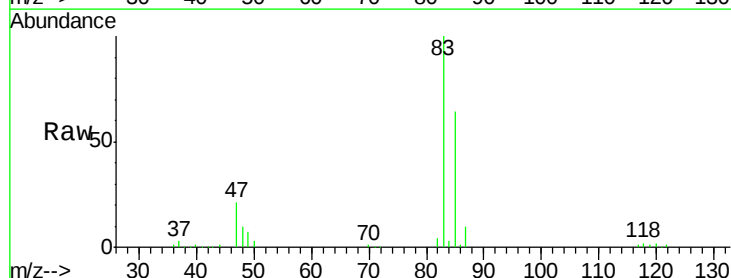


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

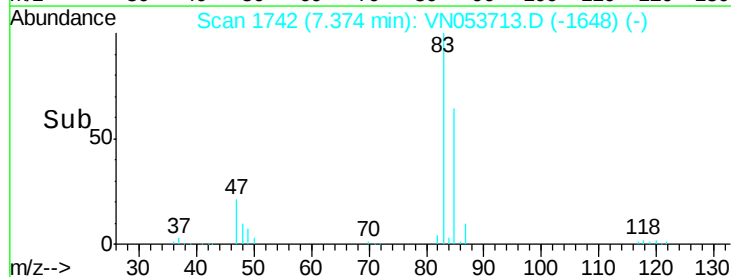
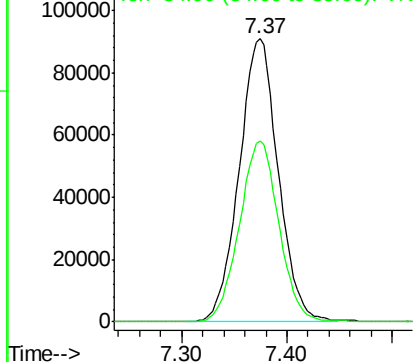


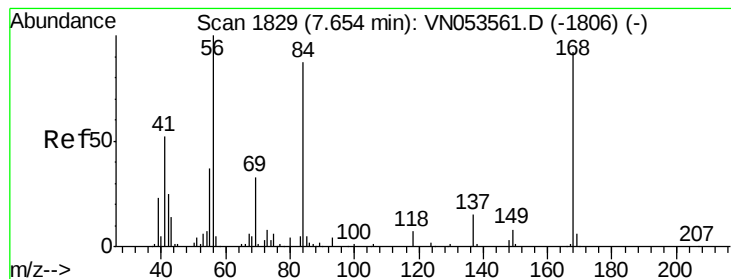
#30
Chloroform
Concen: 22.291 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion: 83 Resp: 234293
Ion Ratio Lower Upper
83 100
85 64.1 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.429 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

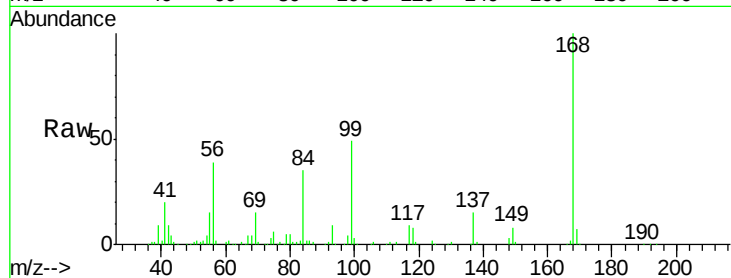
Tot Ion: 56 Resp: 202661

Ion Ratio Lower Upper

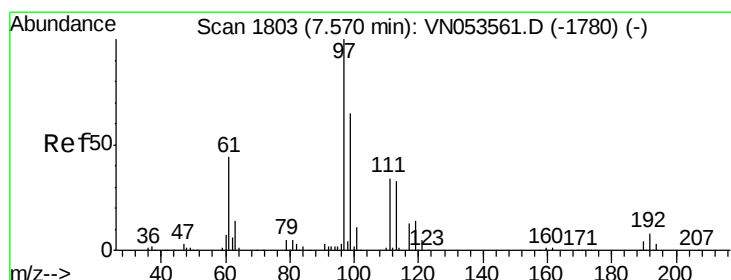
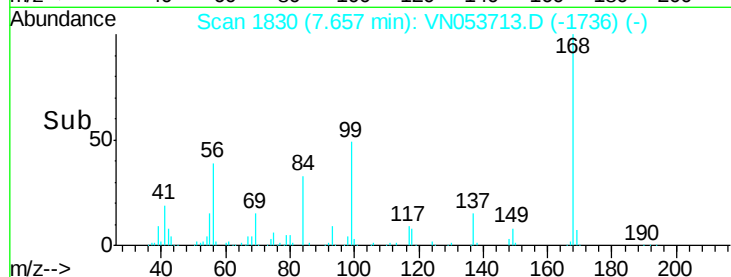
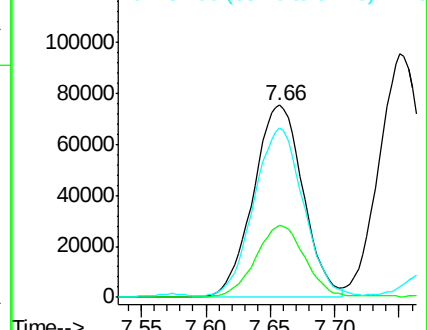
56 100

69 37.3 26.4 39.6

84 87.3 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: 22.131 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

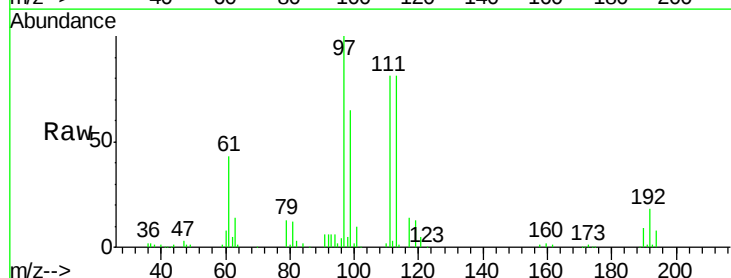
Tgt Ion: 97 Resp: 193584

Ion Ratio Lower Upper

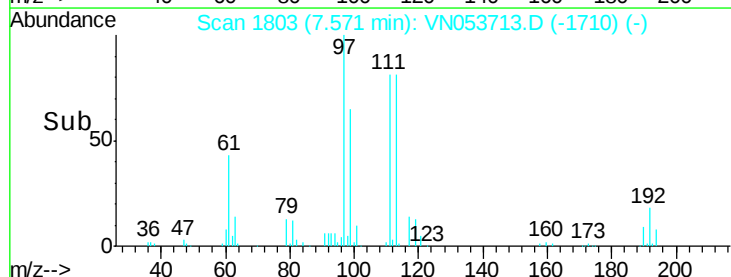
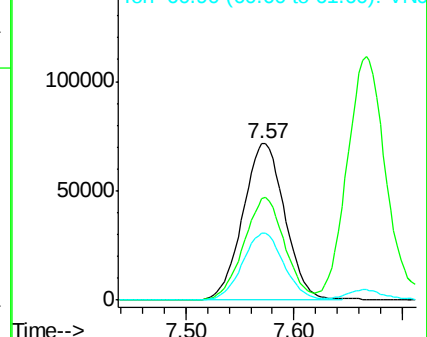
97 100

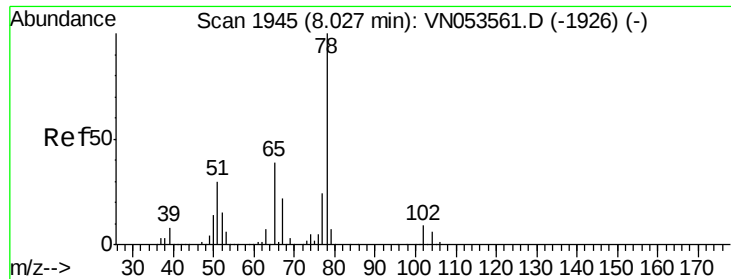
99 63.8 52.0 78.0

61 42.5 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

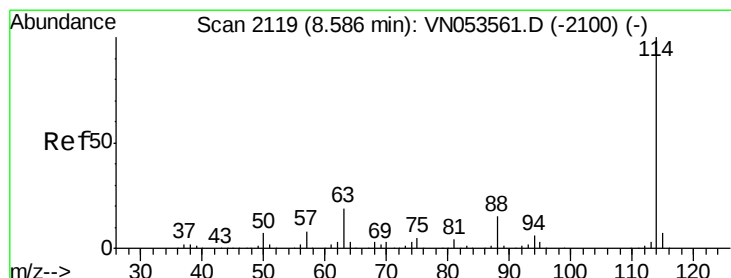
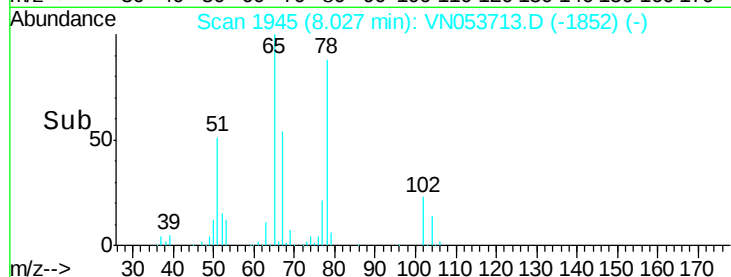
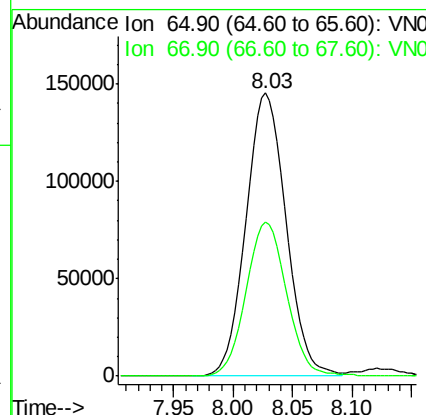
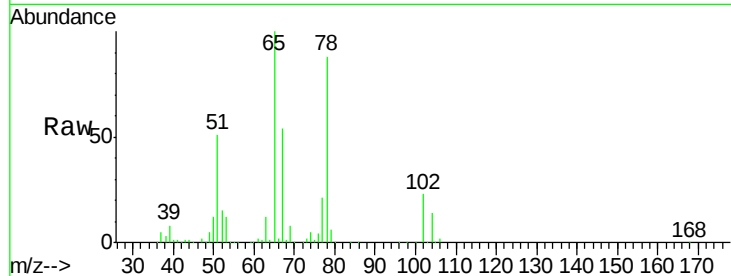




#33
 1,2-Dichloroethane-d4
 Concen: 58.293 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053713.D
 Acq: 11 Feb 2019 19:01

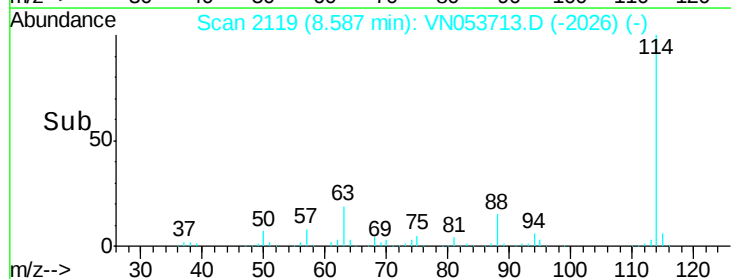
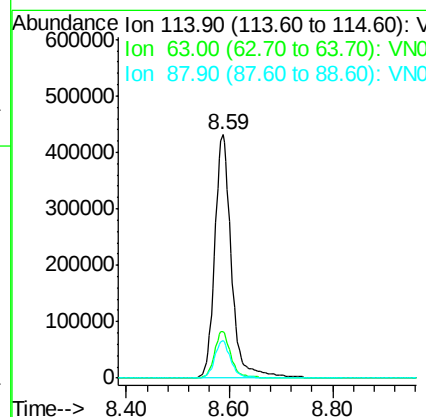
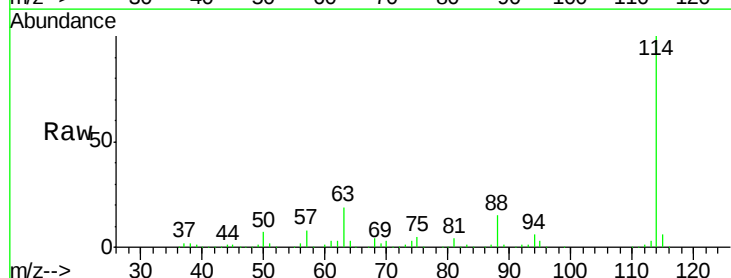
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBSD01

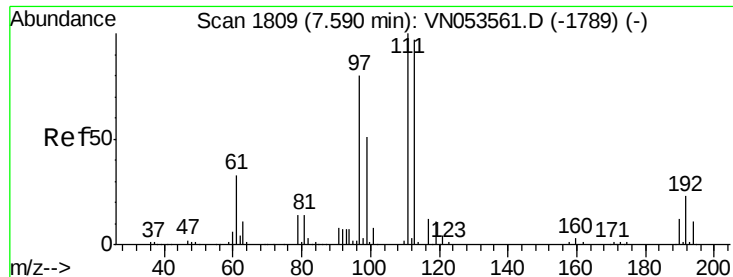
Tot Ion: 65 Resp: 340279
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053713.D
 Acq: 11 Feb 2019 19:01

Tgt Ion: 114 Resp: 974451
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.4 0.0 30.4

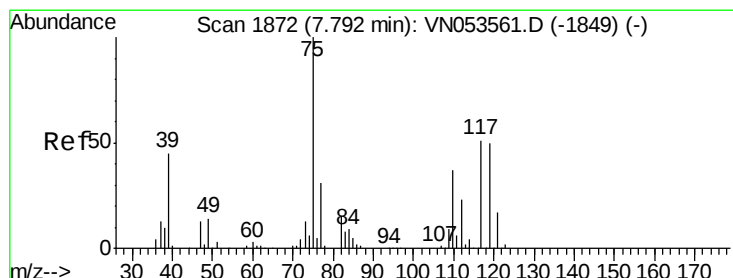
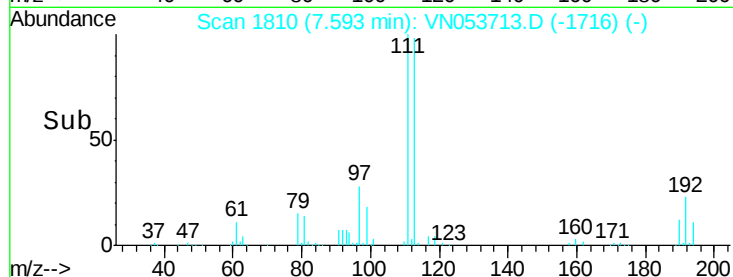
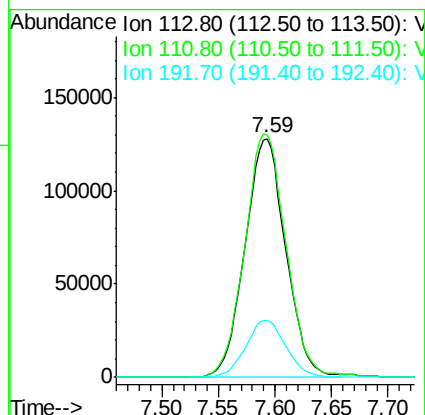
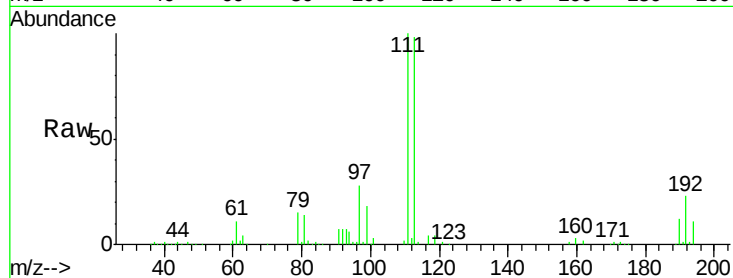




#35
 Dibromofluoromethane
 Concen: 51.948 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053713.D
 Acq: 11 Feb 2019 19:01

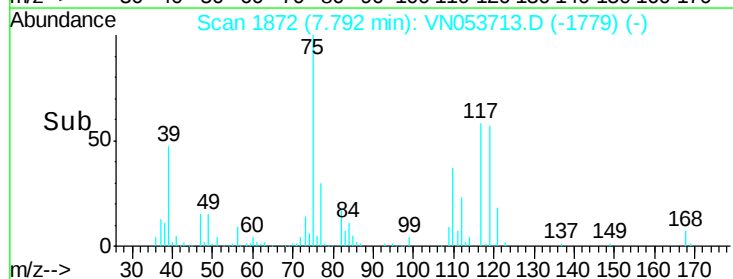
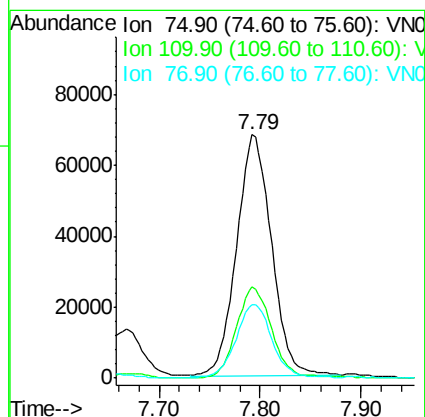
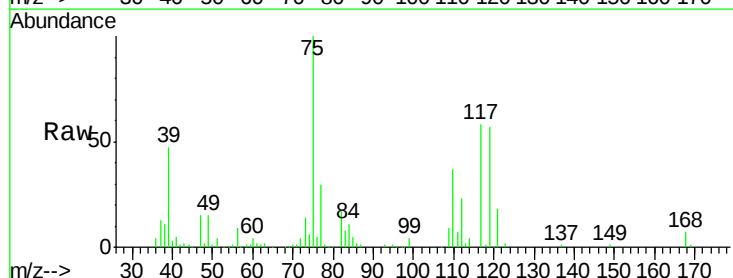
Instrument :
 MSVOA_N
 ClientSampled :
 VN0211WBSD01

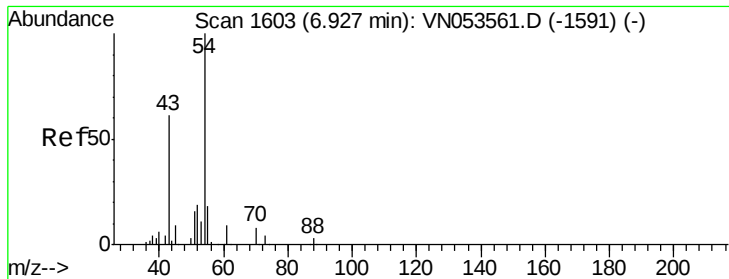
Tot Ion:113 Resp: 319861
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.1 121.7
 192 23.7 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 18.647 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053713.D
 Acq: 11 Feb 2019 19:01

Tgt Ion: 75 Resp: 163793
 Ion Ratio Lower Upper
 75 100
 110 38.2 18.1 54.3
 77 31.8 25.1 37.7

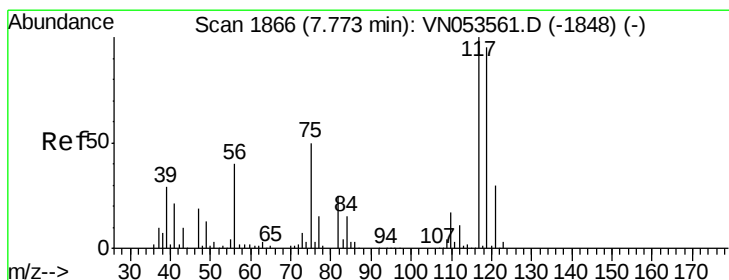
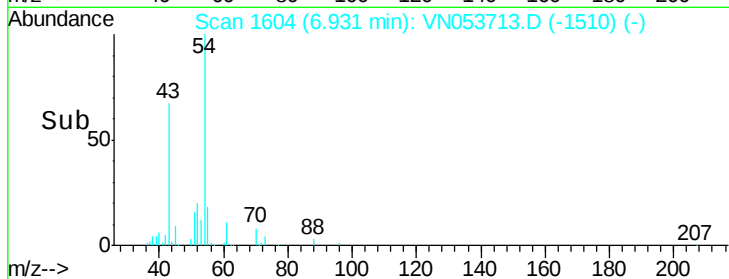
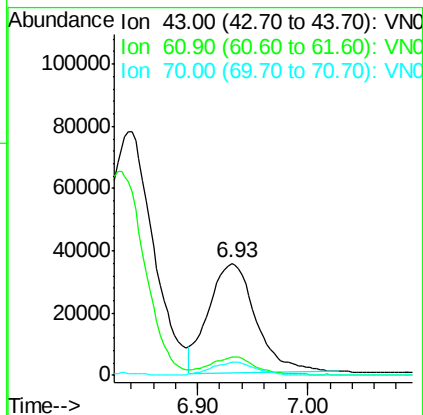
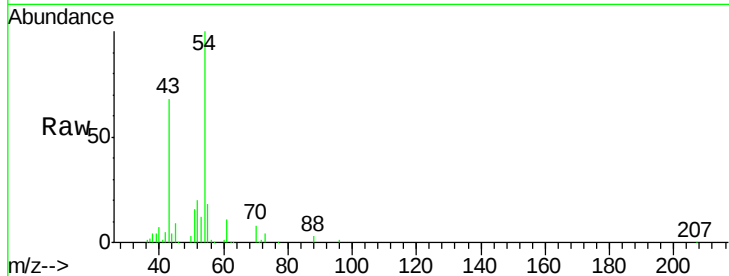




#37
Ethyl Acetate
Concen: 21.356 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

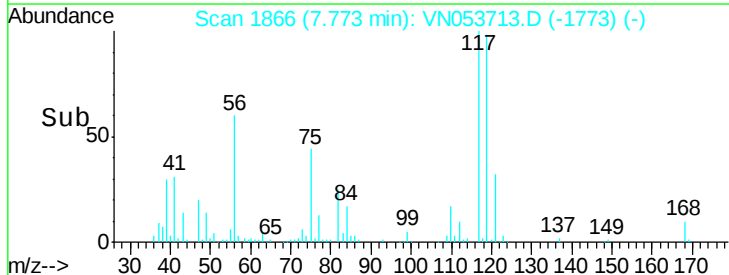
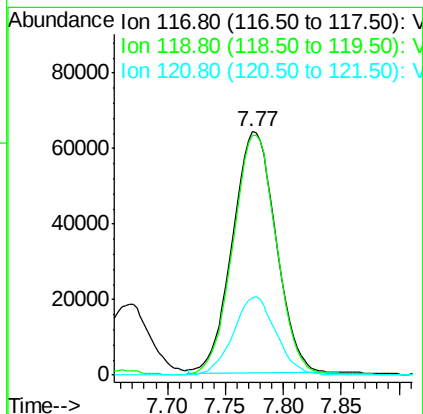
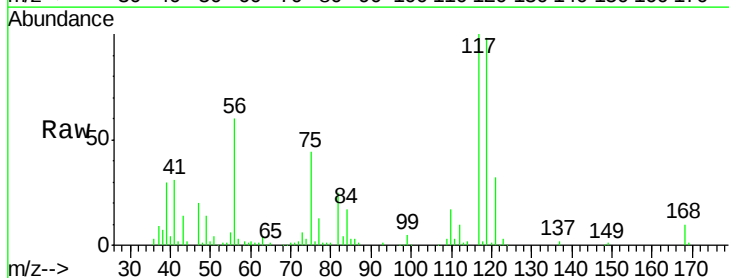
Instrument :
MSVOA_N
ClientSampled :
VN0211WBSD01

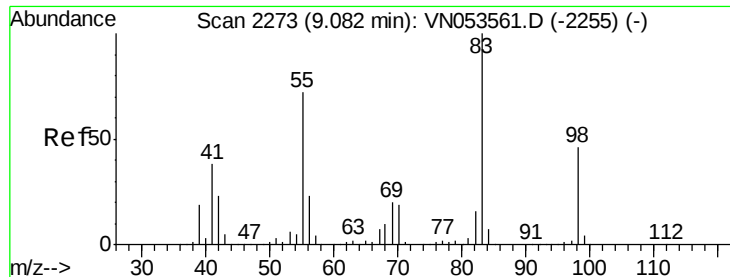
Tot Ion: 43 Resp: 104773
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 11.3 8.6 12.8



#38
Carbon Tetrachloride
Concen: 18.855 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion: 117 Resp: 166846
Ion Ratio Lower Upper
117 100
119 99.0 77.2 115.8
121 32.1 24.6 37.0

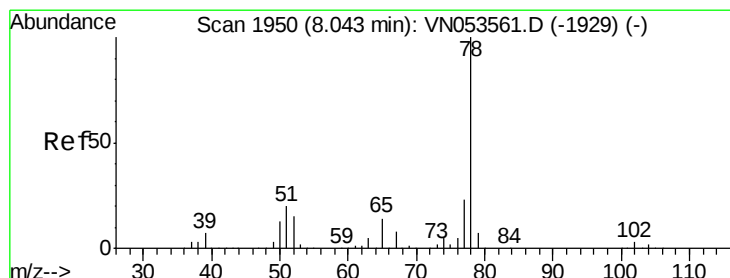
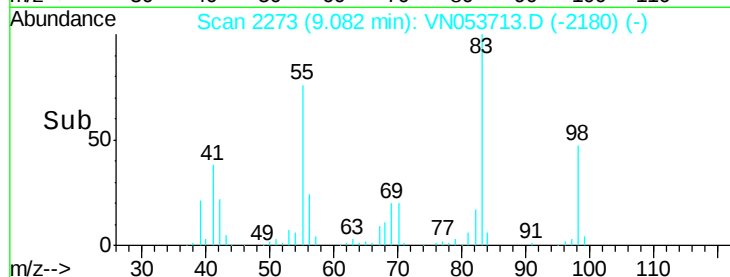
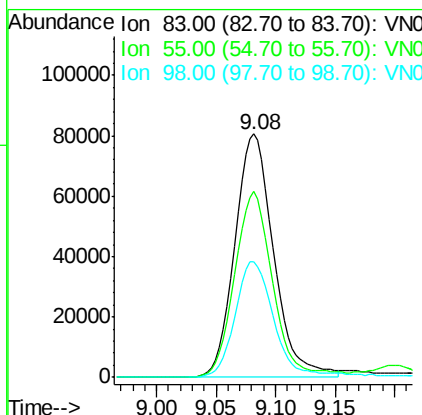
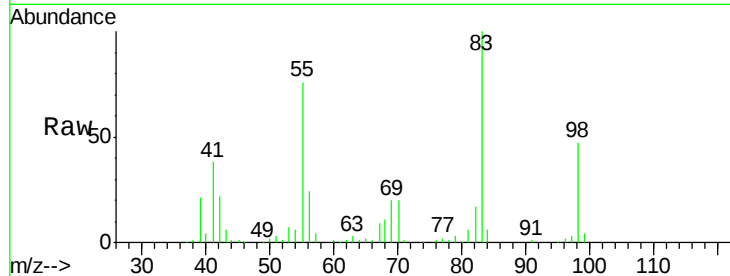




#39
Methvlcvclohexane
Concen: 17.528 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

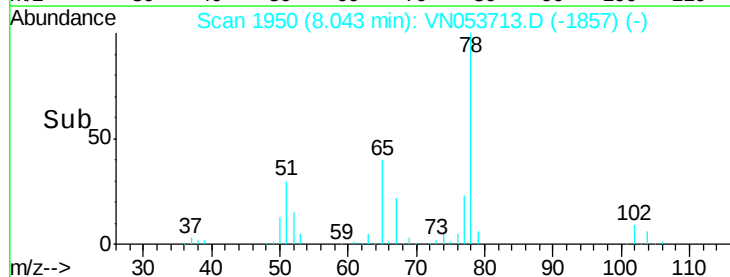
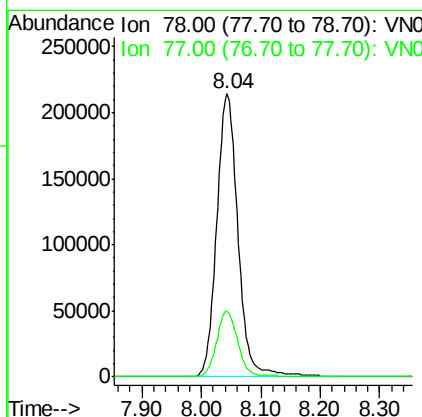
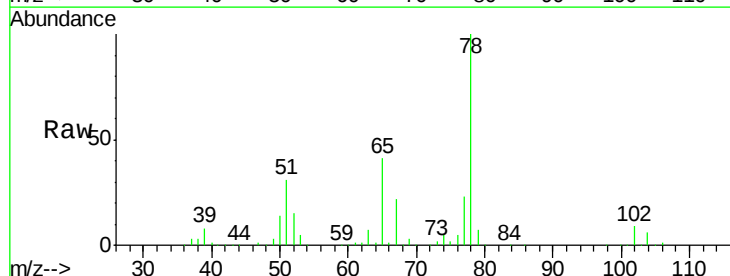
Instrument :
MSVOA_N
ClientSampled :
VN0211WBSD01

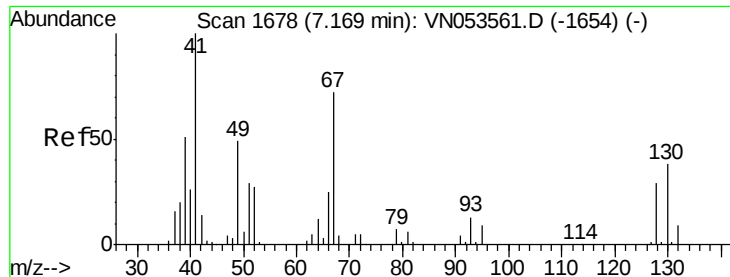
Tot Ion: 83 Resp: 182667
Ion Ratio Lower Upper
83 100
55 76.2 60.1 90.1
98 47.4 36.6 55.0



#40
Benzene
Concen: 19.637 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion: 78 Resp: 531921
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

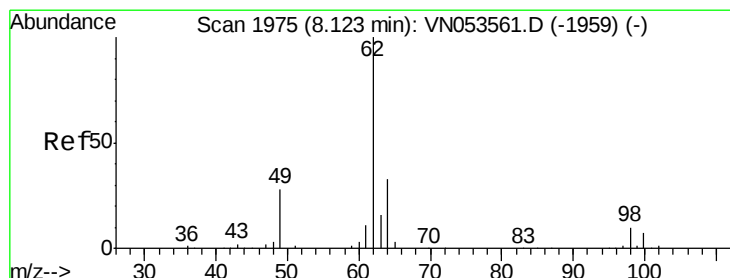
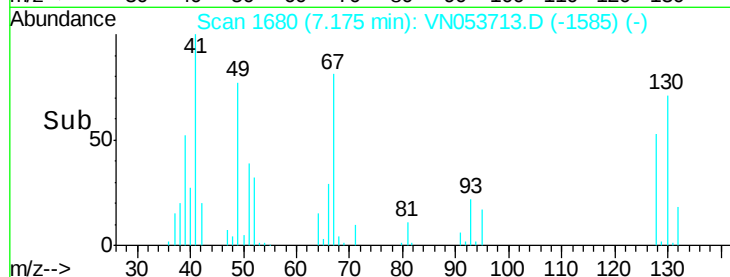
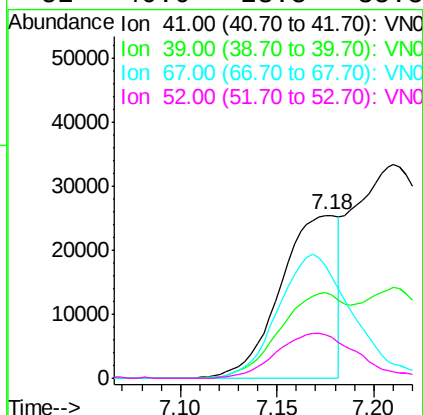
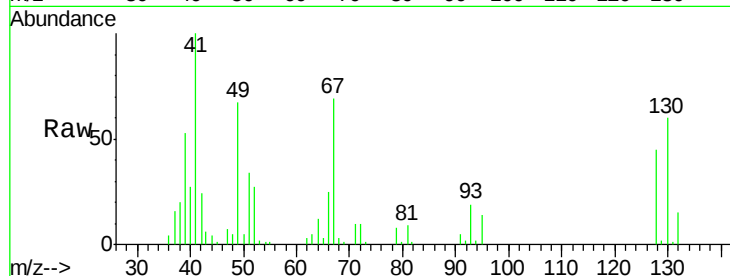




#41
Methacrylonitrile
Concen: 19.170 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

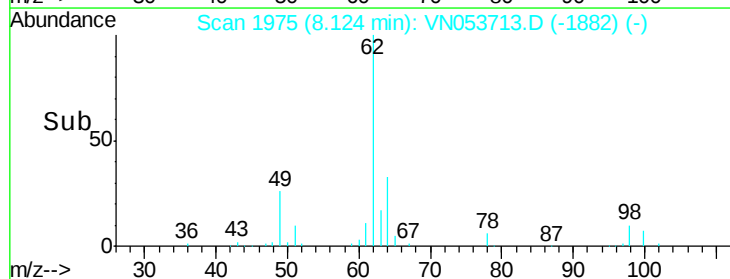
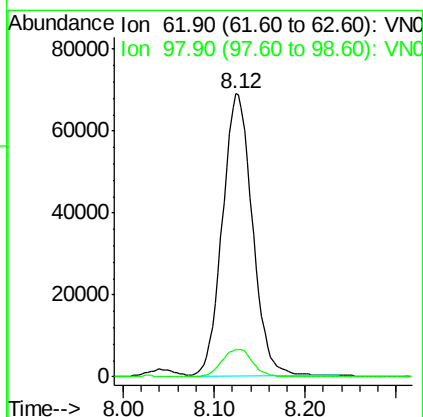
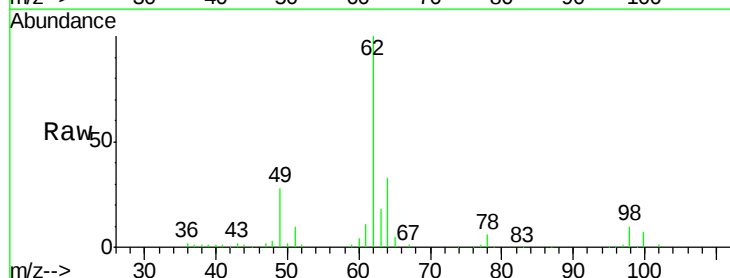
Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

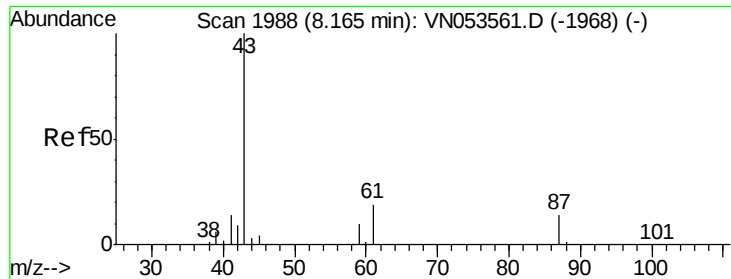
Tot Ion: 41 Resp: 52562
Ion Ratio Lower Upper
41 100
39 60.8 46.8 70.2
67 99.3 63.0 94.6#
52 40.0 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 19.661 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion: 62 Resp: 158135
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.6





#43

Isopropyl Acetate

Concen: 20.847 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

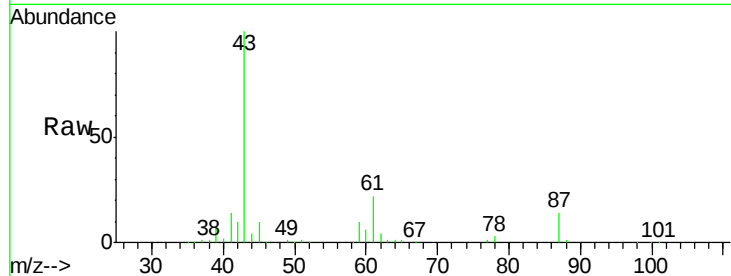
Tot Ion: 43 Resp: 197513

Ion Ratio Lower Upper

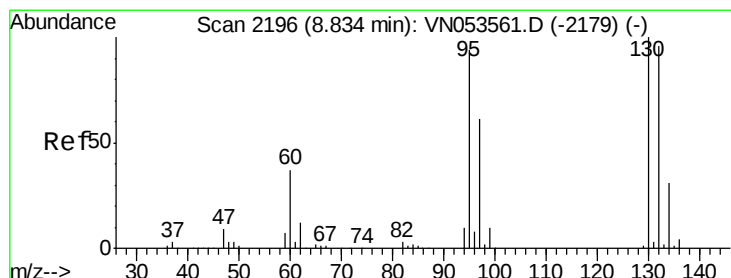
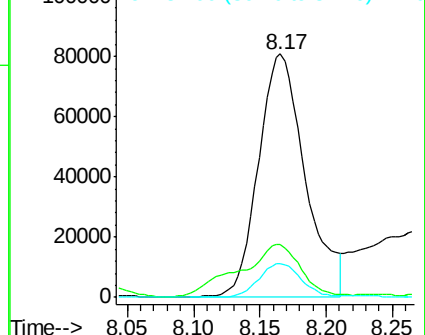
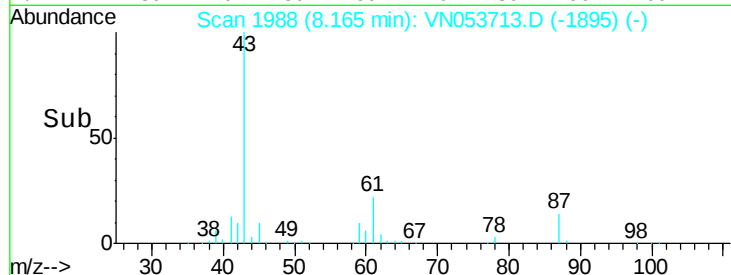
43 100

61 27.8 23.9 35.9

87 12.9 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053713.D (-1895) (-)



#44

Trichloroethene

Concen: 19.330 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053713.D

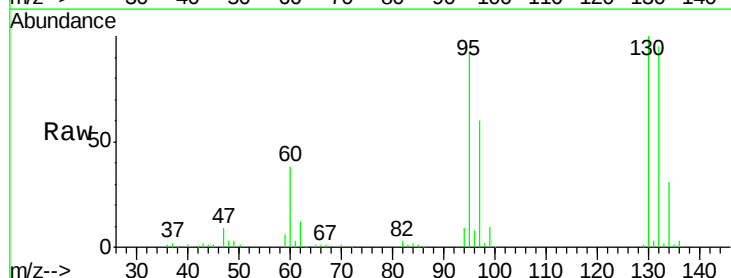
Acq: 11 Feb 2019 19:01

Tgt Ion: 130 Resp: 149065

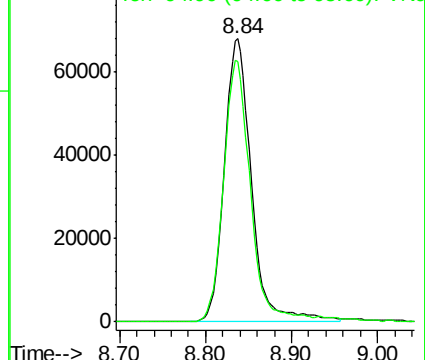
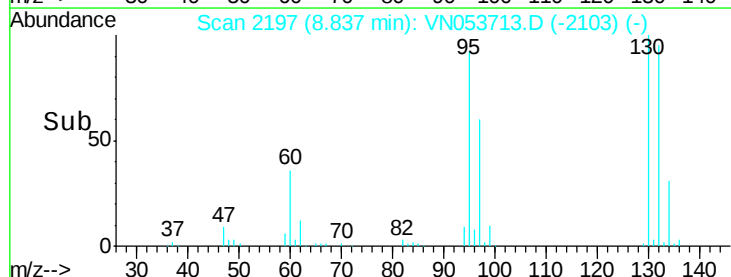
Ion Ratio Lower Upper

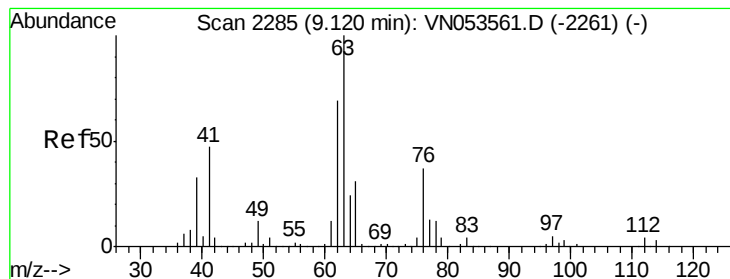
130 100

95 91.9 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053713.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 20.208 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

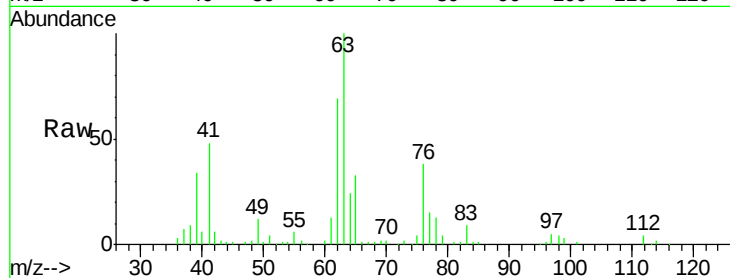
VN0211WBSD01

Tot Ion: 63 Resp: 140009

Ion Ratio Lower Upper

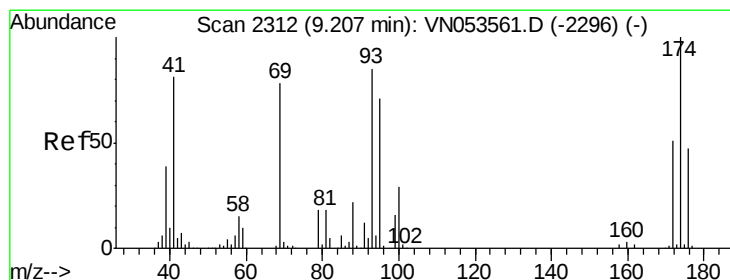
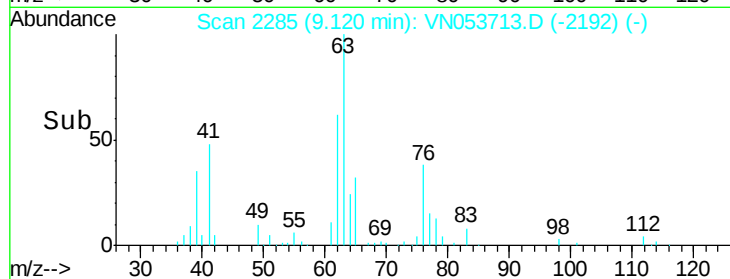
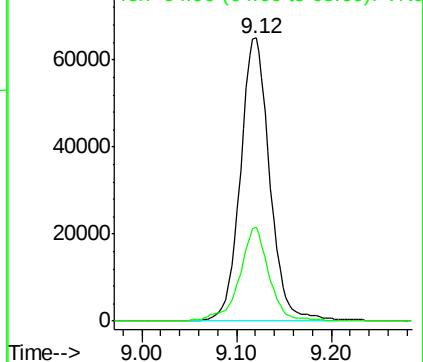
63 100

65 32.9 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.118 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

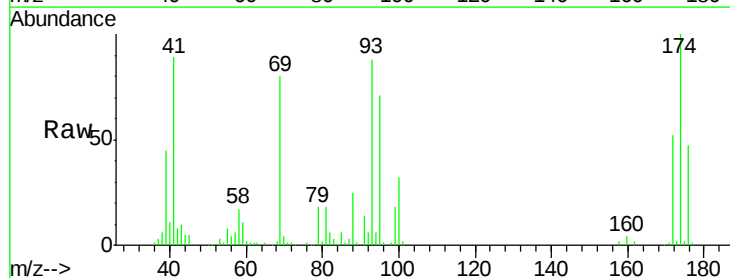
Tgt Ion: 93 Resp: 84022

Ion Ratio Lower Upper

93 100

95 83.5 67.3 100.9

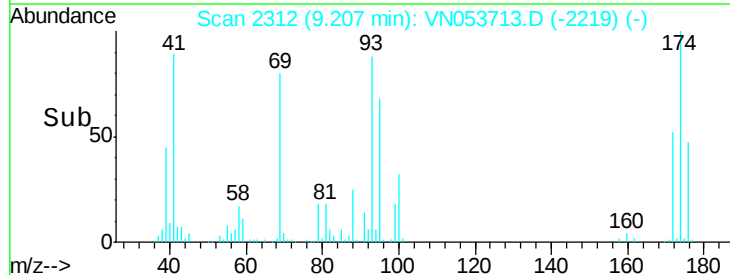
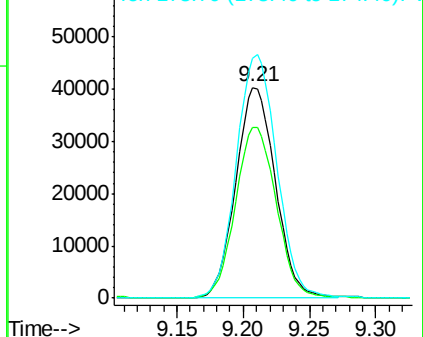
174 118.2 91.0 136.4

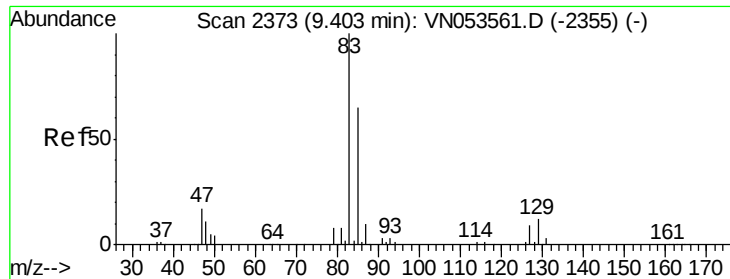


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

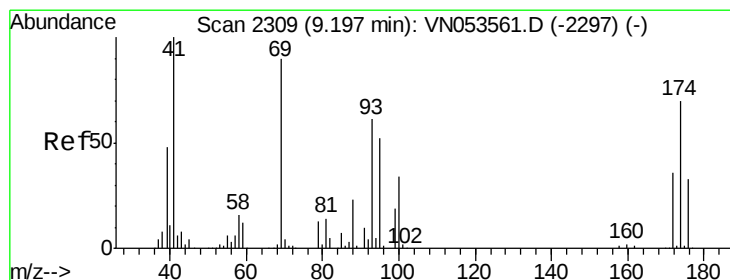
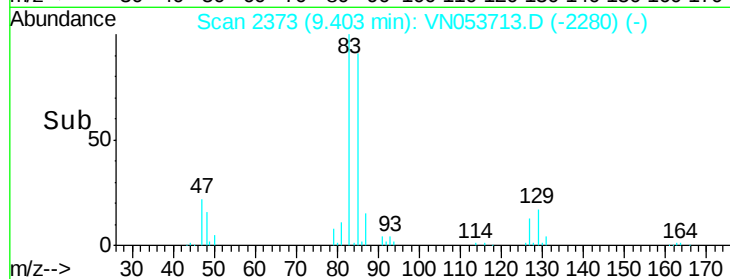
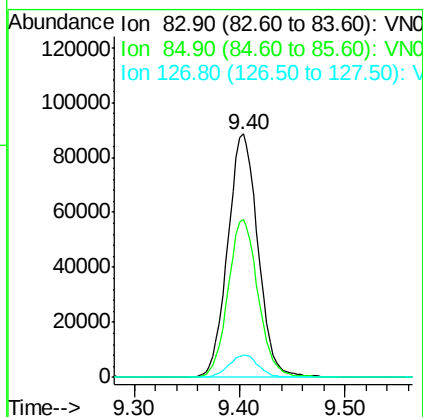
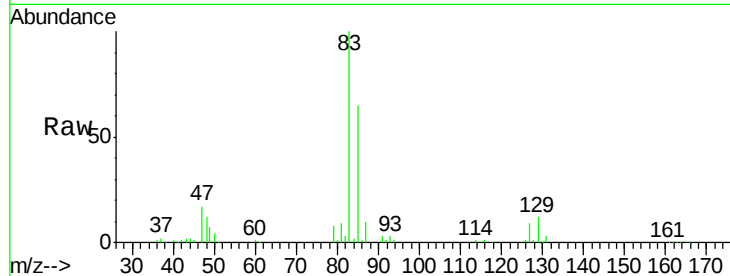




#47
Bromodichloromethane
Concen: 20.236 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

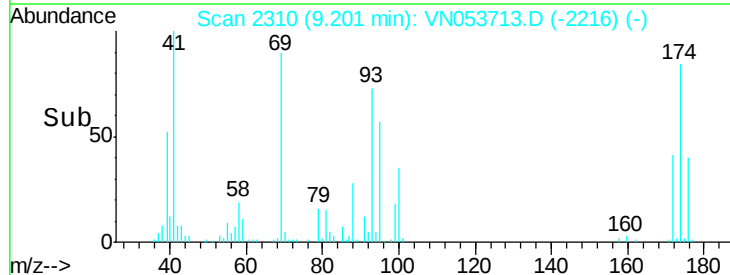
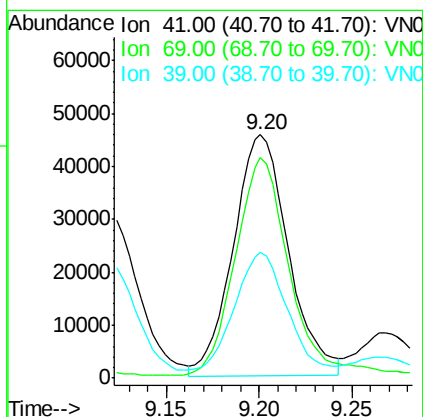
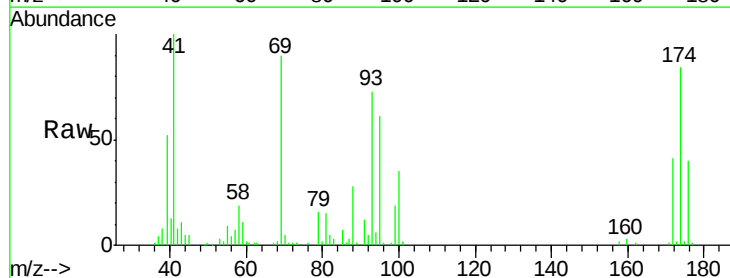
Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

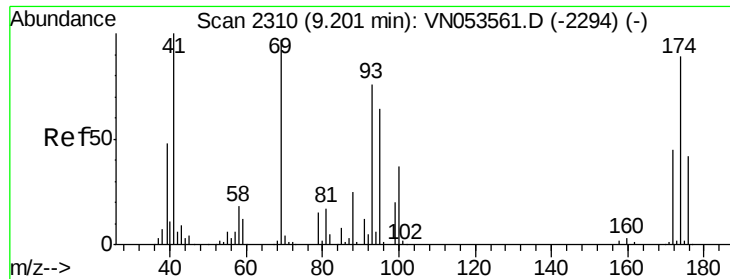
Tot Ion: 83 Resp: 175729
Ion Ratio Lower Upper
83 100
85 64.6 51.0 76.6
127 9.2 7.0 10.6



#48
Methyl methacrylate
Concen: 20.842 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion: 41 Resp: 94258
Ion Ratio Lower Upper
41 100
69 92.8 73.8 110.6
39 50.9 40.0 60.0

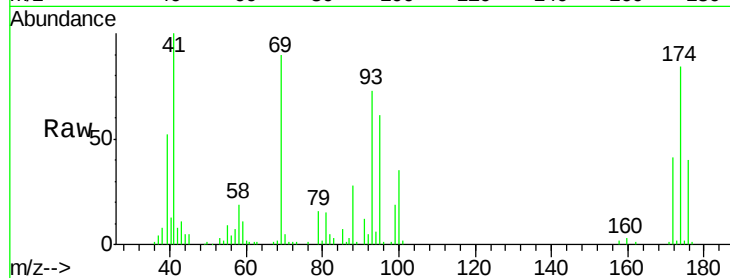




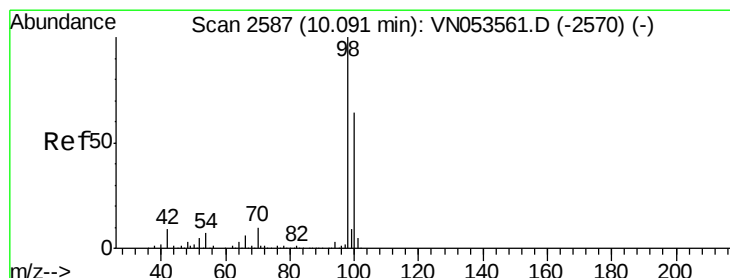
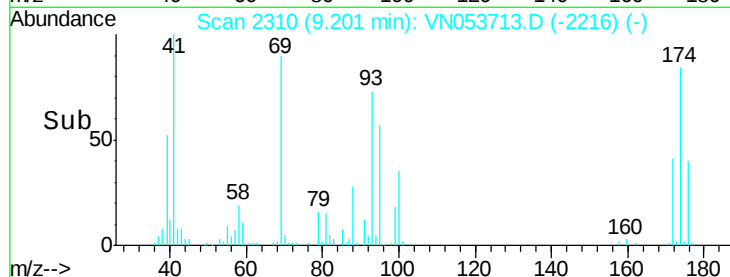
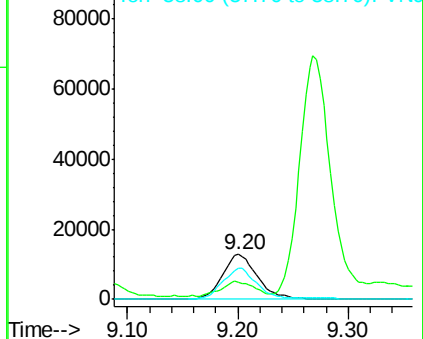
#49
1,4-Dioxane
Concen: 453.113 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion: 88 Resp: 28235
Ion Ratio Lower Upper
88 100
43 31.5 27.8 41.6
58 66.1 56.5 84.7

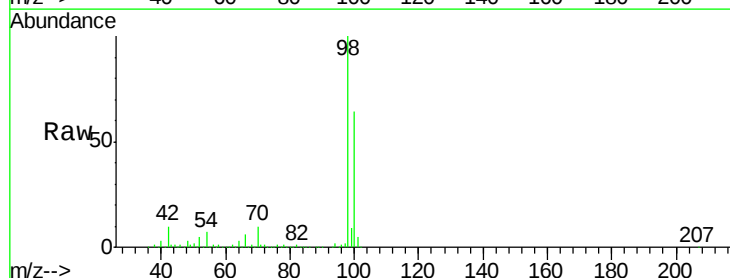


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

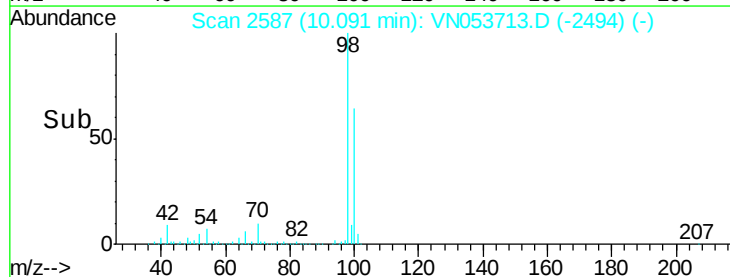
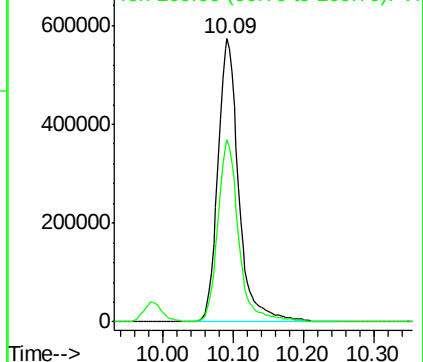


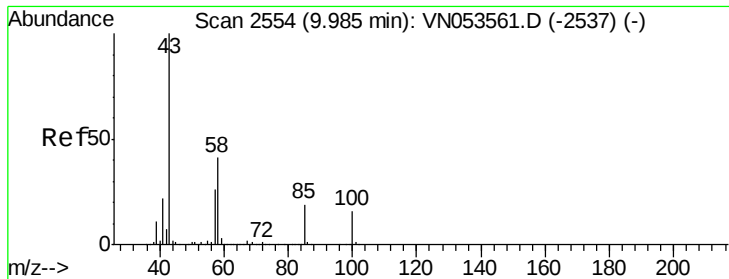
#50
Toluene-d8
Concen: 50.996 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion: 98 Resp: 1178992
Ion Ratio Lower Upper
98 100
100 64.2 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: 106.959 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampled :

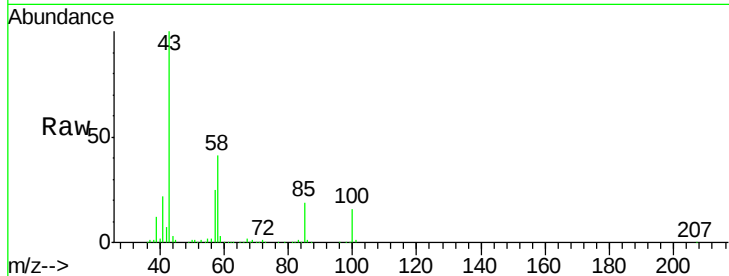
VN0211WBSD01

Tot Ion: 43 Resp: 497973

Ion Ratio Lower Upper

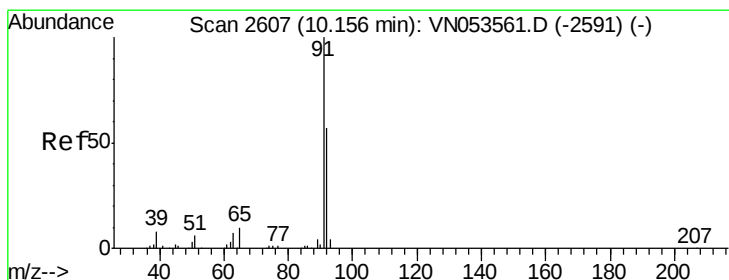
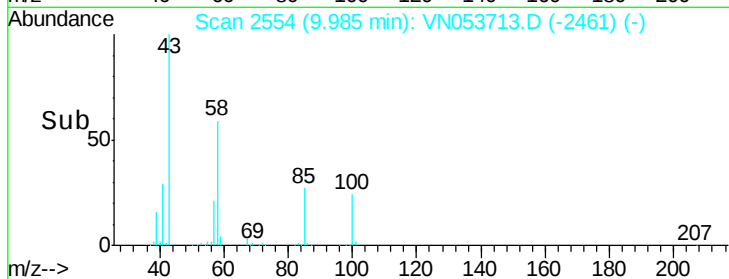
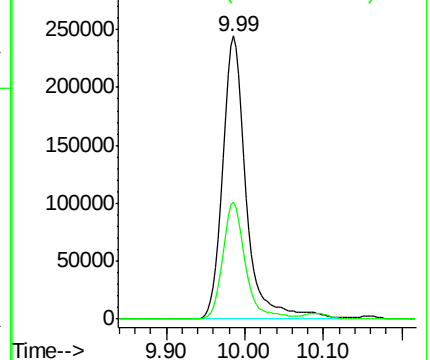
43 100

58 40.1 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: 20.020 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053713.D

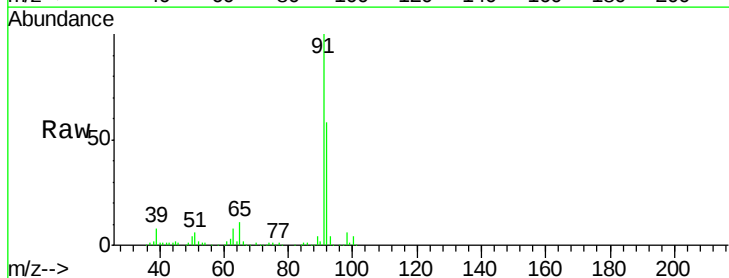
Acq: 11 Feb 2019 19:01

Tgt Ion: 92 Resp: 321848

Ion Ratio Lower Upper

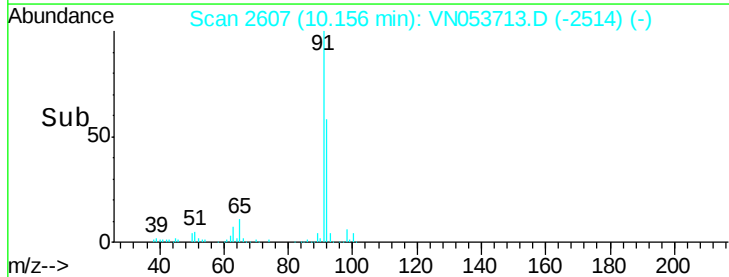
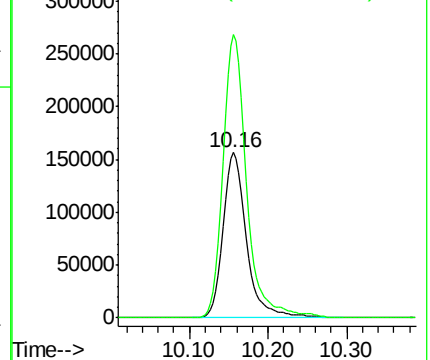
92 100

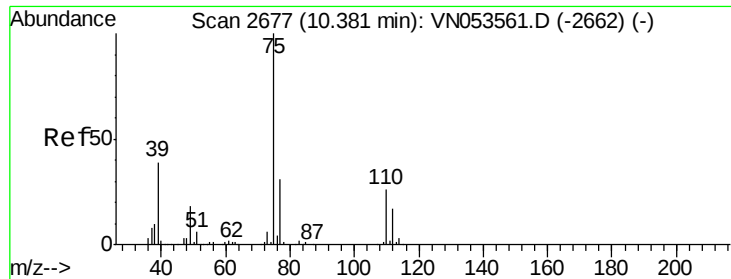
91 172.3 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.160 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampled :

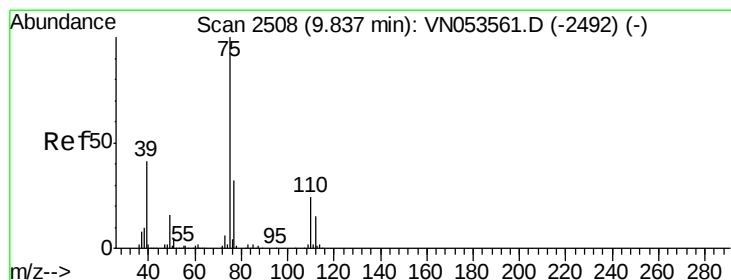
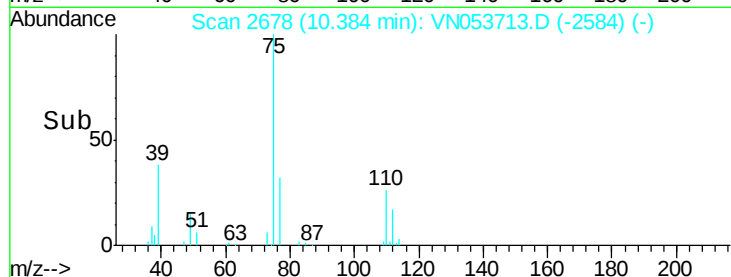
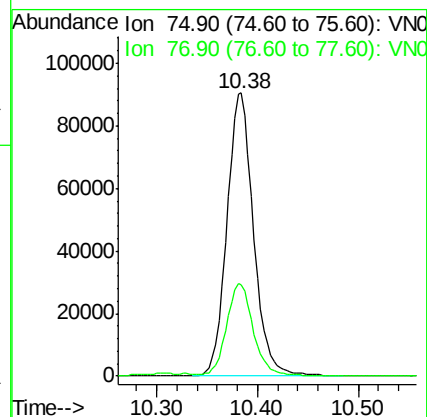
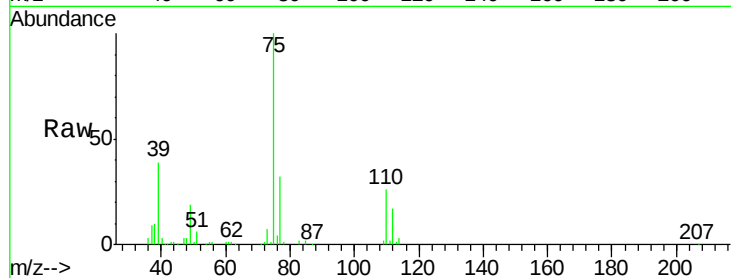
VN0211WBSD01

Tot Ion: 75 Resp: 166606

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.373 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

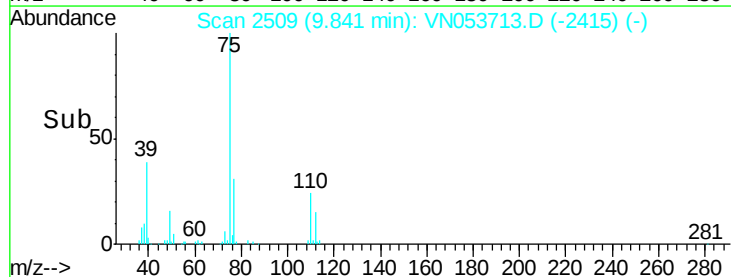
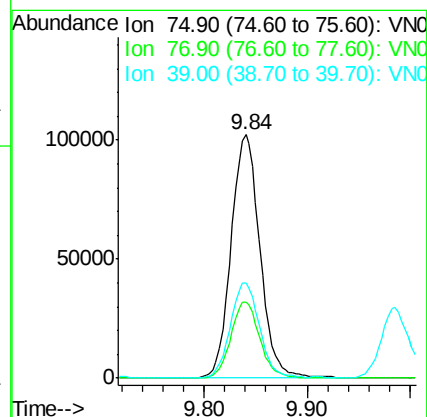
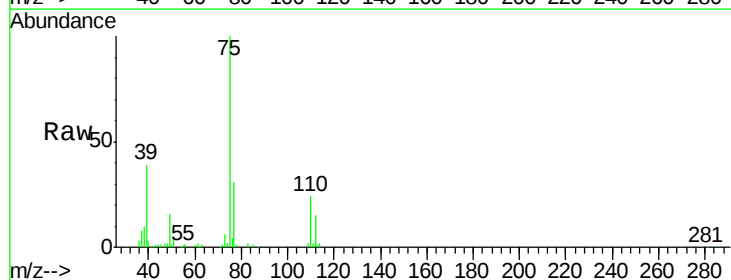
Tgt Ion: 75 Resp: 199616

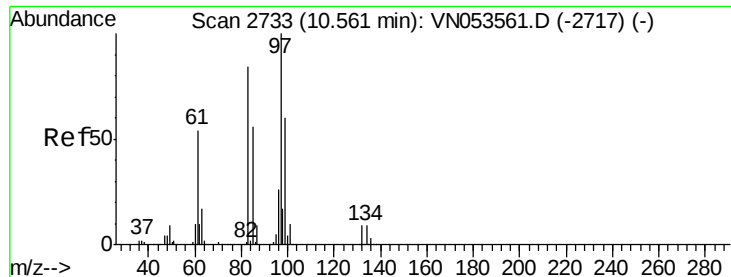
Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6

39 39.0 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 21.105 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

Tot Ion: 97 Resp: 122262

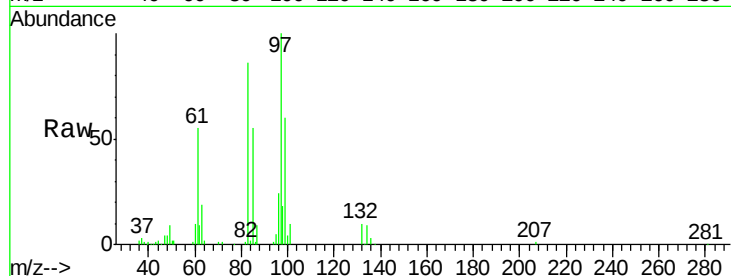
Ion Ratio Lower Upper

97 100

83 85.6 70.1 105.1

85 55.1 45.4 68.0

99 60.2 49.8 74.8

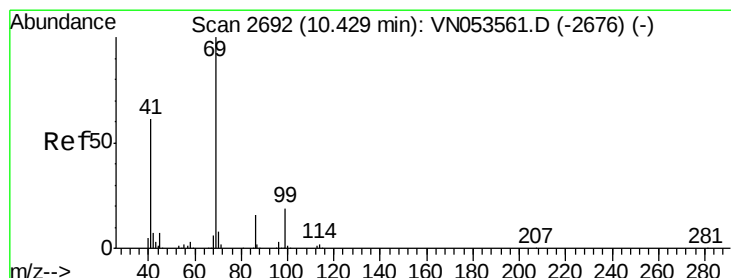
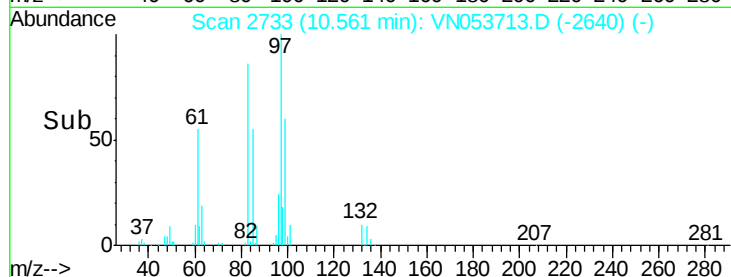
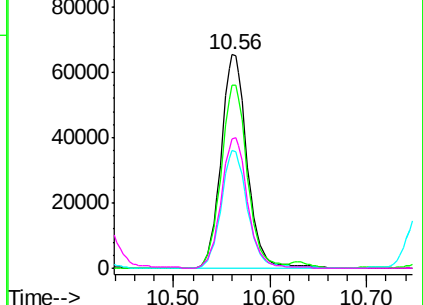


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.788 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

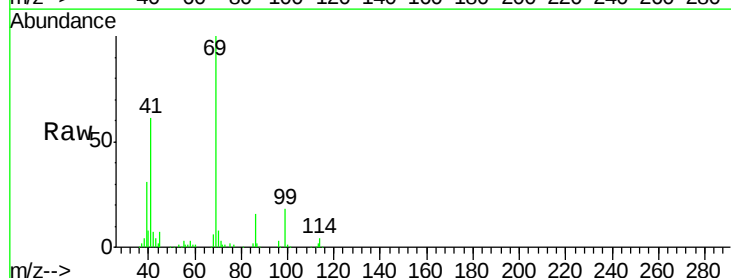
Tgt Ion: 69 Resp: 142463

Ion Ratio Lower Upper

69 100

41 60.0 49.4 74.0

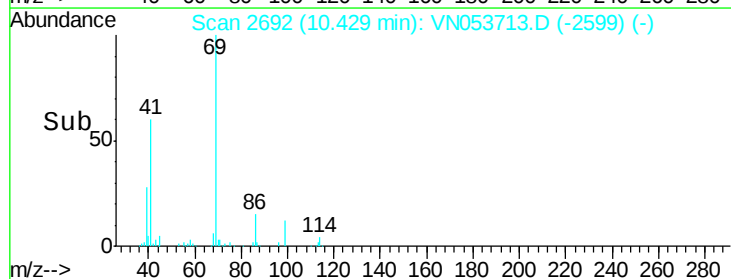
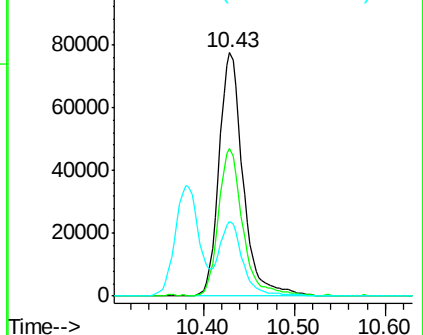
39 29.4 23.3 34.9

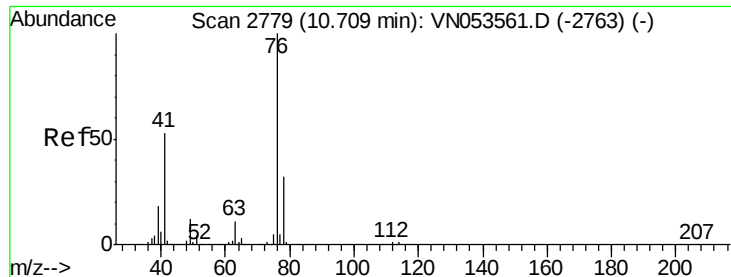


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.346 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

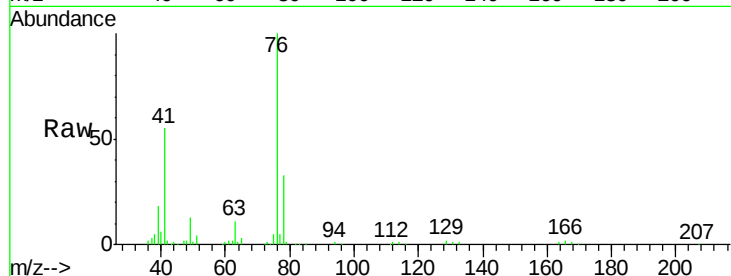
VN0211WBSD01

Tot Ion: 76 Resp: 201435

Ion Ratio Lower Upper

76 100

78 32.4 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

120000

100000

80000

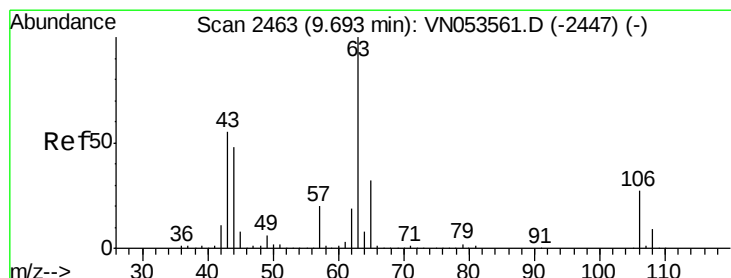
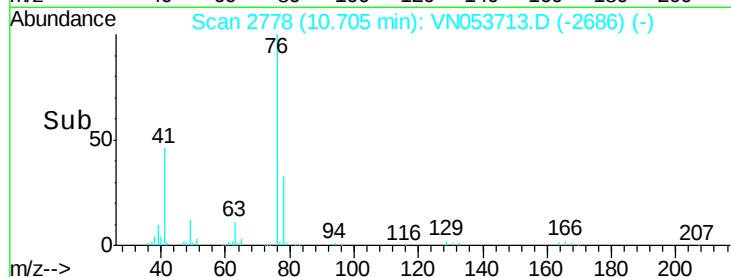
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 81.964 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053713.D

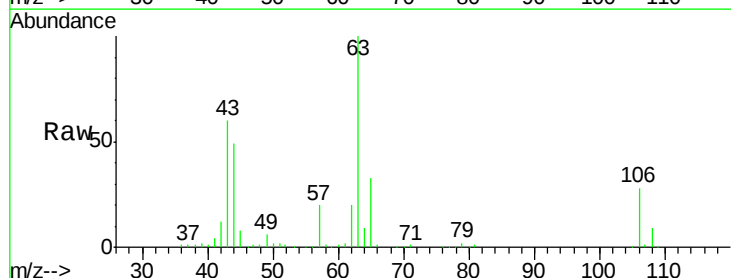
Acq: 11 Feb 2019 19:01

Tgt Ion: 63 Resp: 324721

Ion Ratio Lower Upper

63 100

106 27.4 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

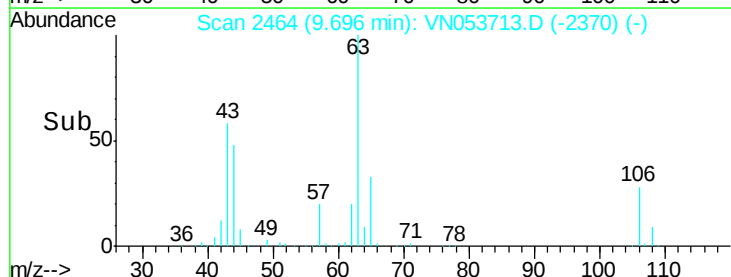
150000

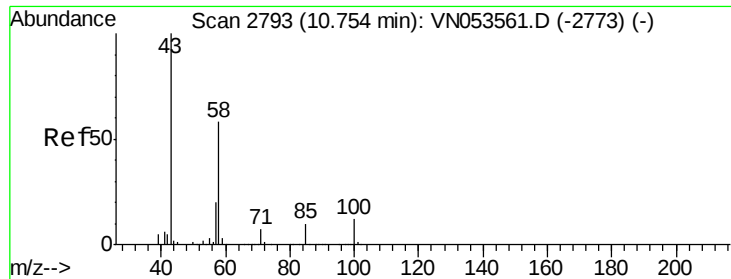
100000

50000

0

Time--> 9.60 9.70 9.80

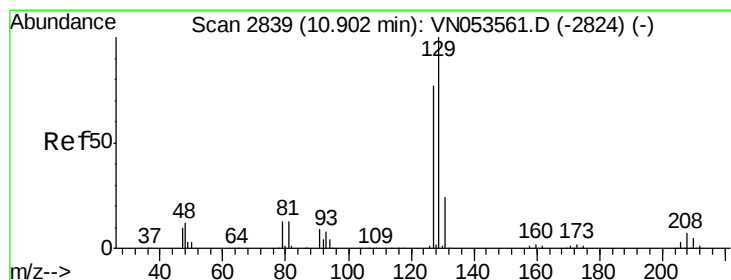
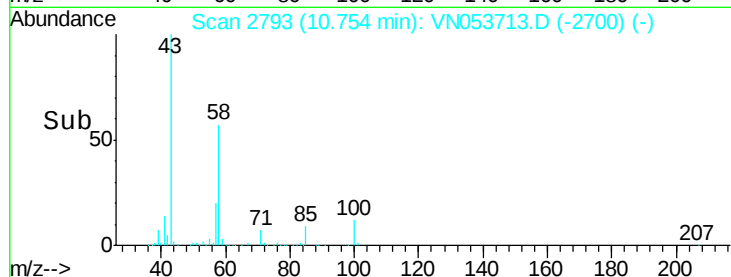
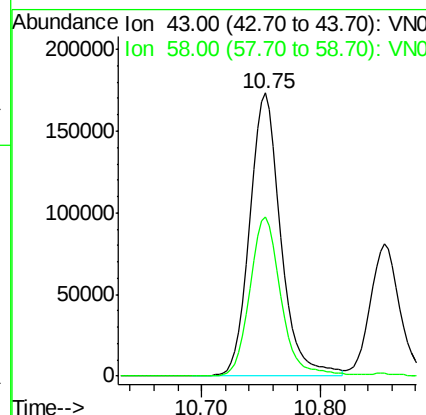
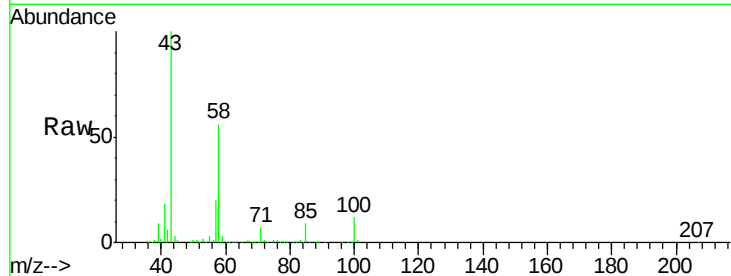




#59
2-Hexanone
Concen: 98.596 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

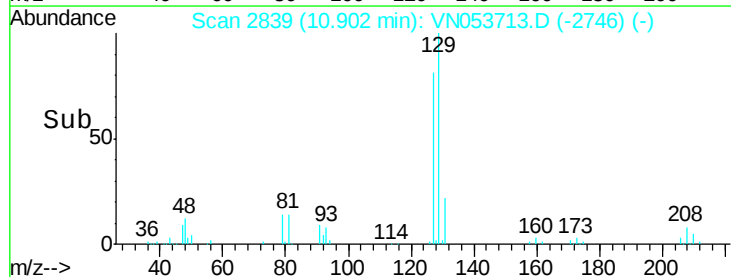
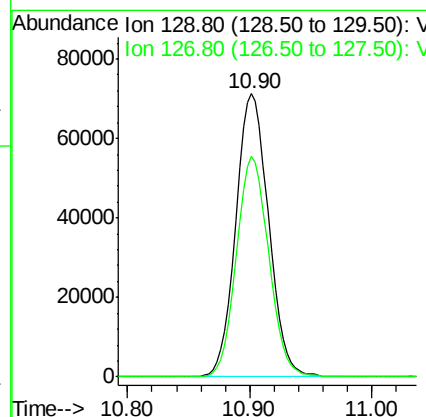
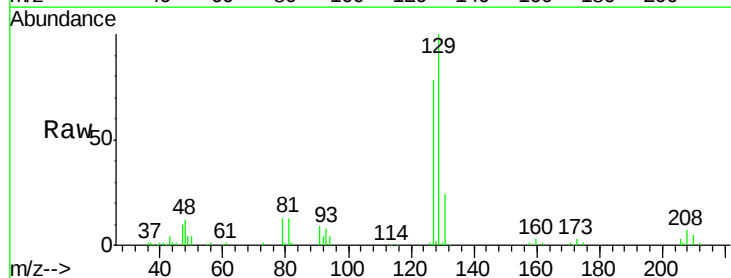
Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

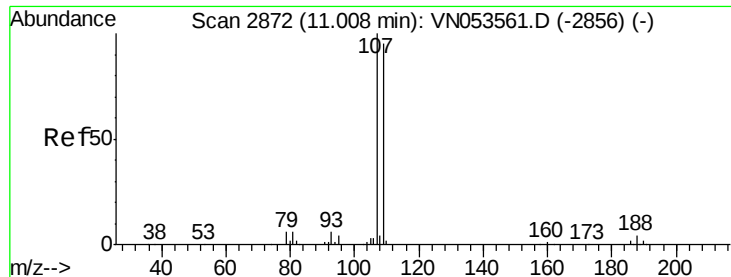
Tot Ion: 43 Resp: 311627
Ion Ratio Lower Upper
43 100
58 56.8 28.6 85.8



#60
Dibromochloromethane
Concen: 20.343 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion: 129 Resp: 132893
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.673 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

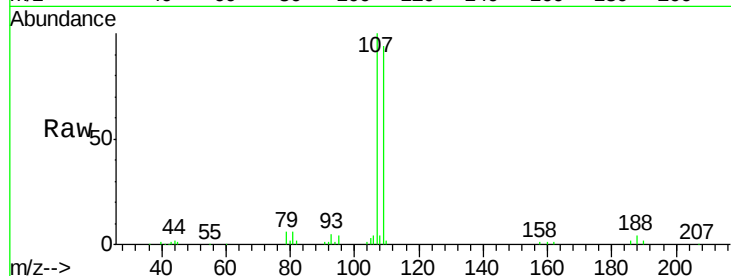
VN0211WBSD01

Tot Ion:107 Resp: 112798

Ion Ratio Lower Upper

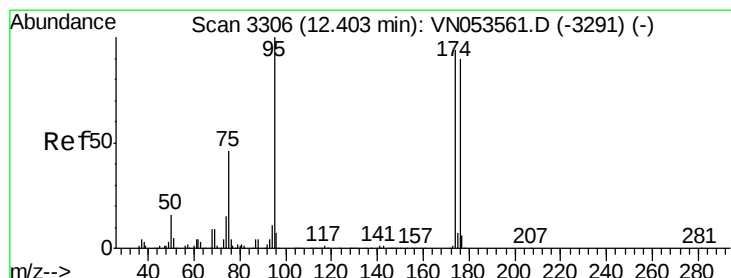
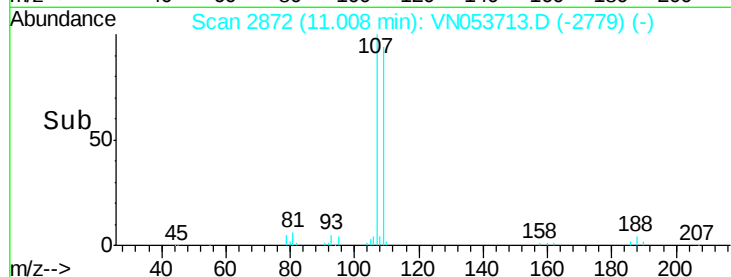
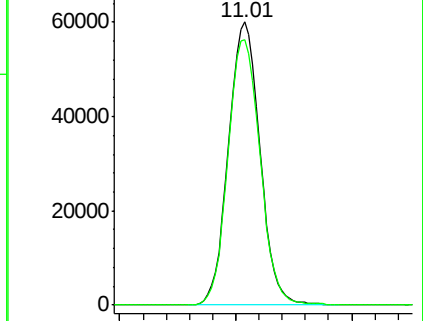
107 100

109 95.5 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.516 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

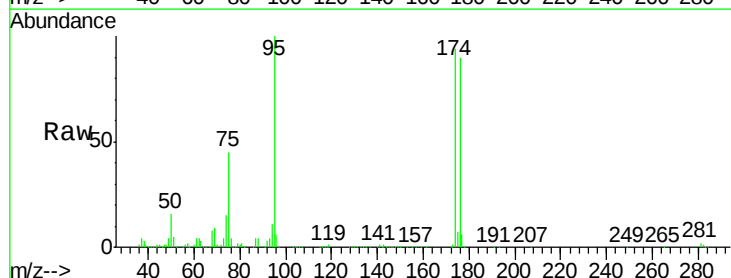
Tgt Ion: 95 Resp: 389512

Ion Ratio Lower Upper

95 100

174 94.2 0.0 183.2

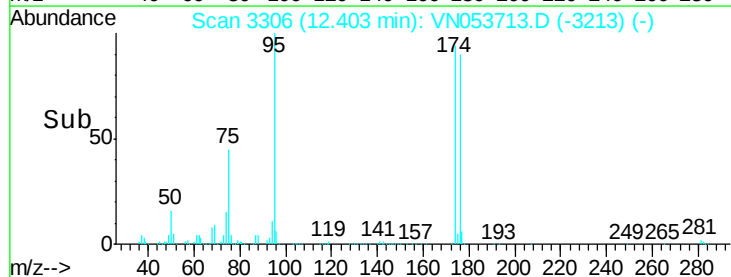
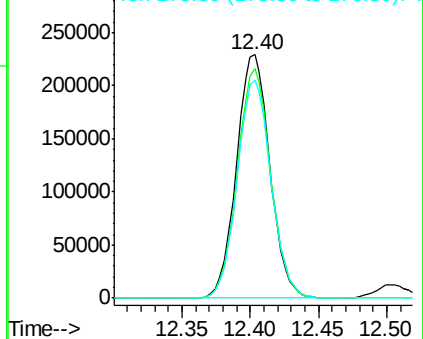
176 90.4 0.0 177.4

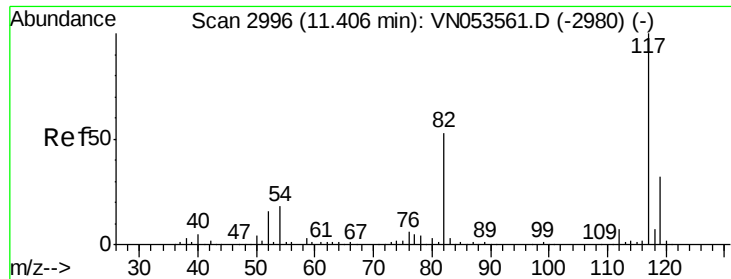


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

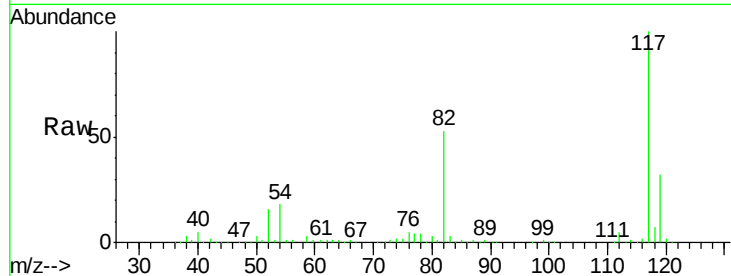




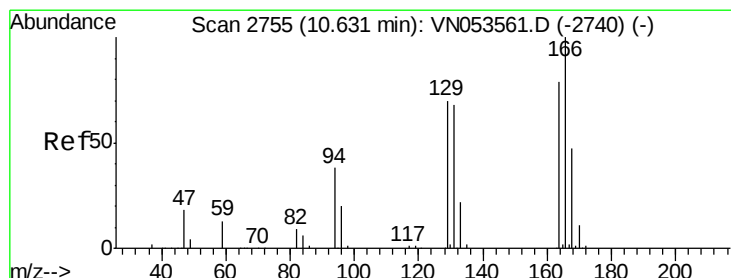
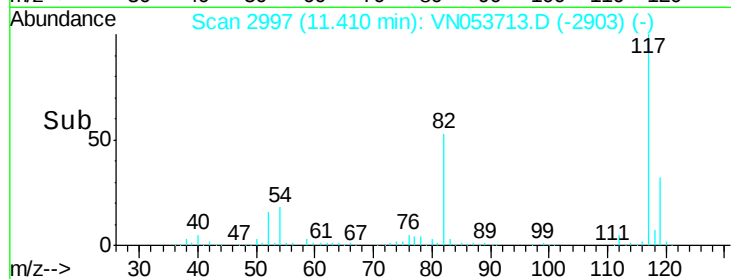
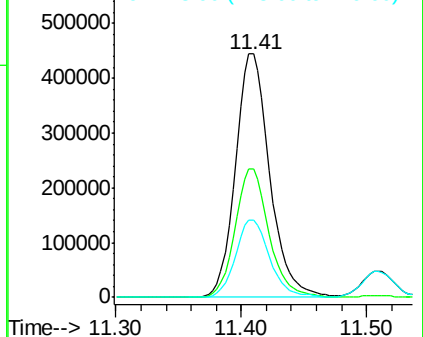
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

Tot Ion:117 Resp: 841114
Ion Ratio Lower Upper
117 100
82 52.6 42.9 64.3
119 31.9 26.0 39.0

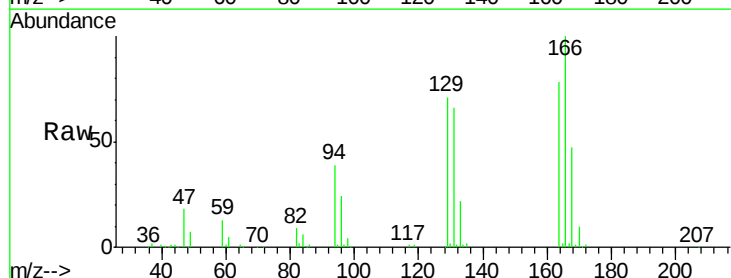


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

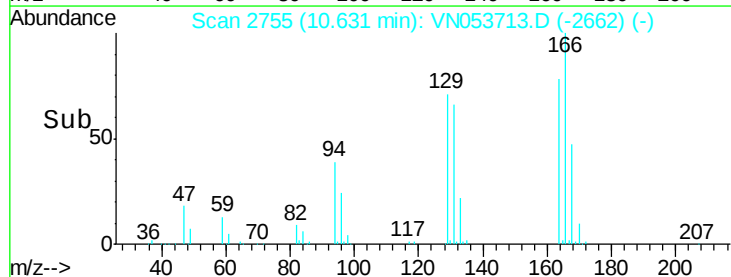
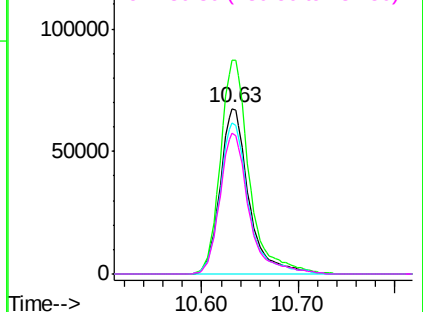


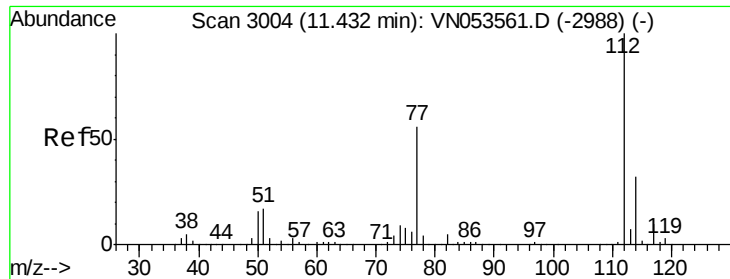
#64
Tetrachloroethene
Concen: 19.271 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion:164 Resp: 138948
Ion Ratio Lower Upper
164 100
166 129.0 102.2 153.4
129 91.4 72.6 109.0
131 85.4 69.5 104.3



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





#65

Chlorobenzene

Concen: 19.514 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

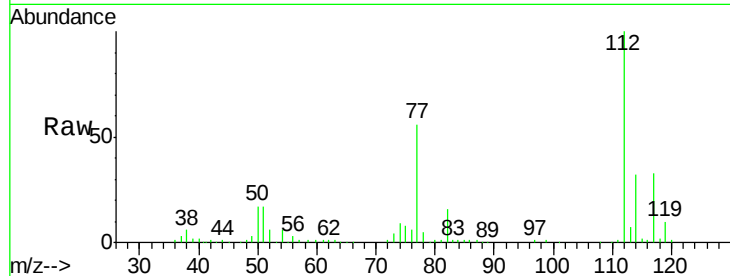
VN0211WBSD01

Tot Ion:112 Resp: 348635

Ion Ratio Lower Upper

112 100

114 32.0 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

200000

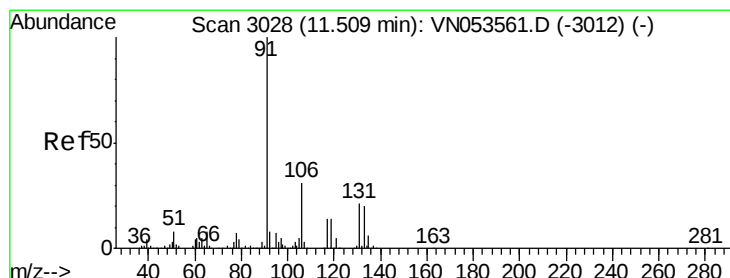
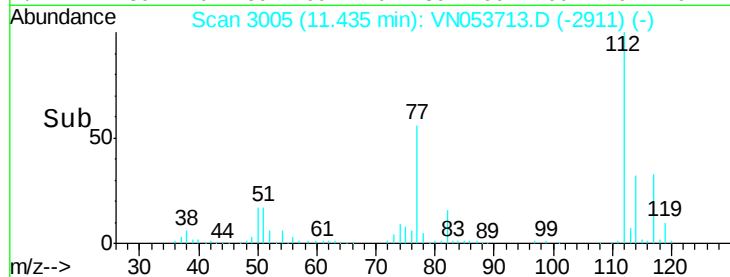
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.500 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

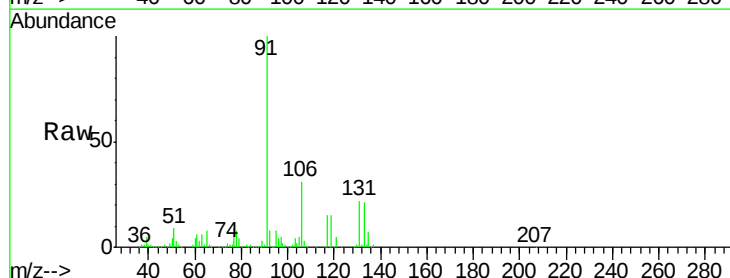
Tgt Ion:131 Resp: 127913

Ion Ratio Lower Upper

131 100

133 96.2 48.0 144.0

119 67.4 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

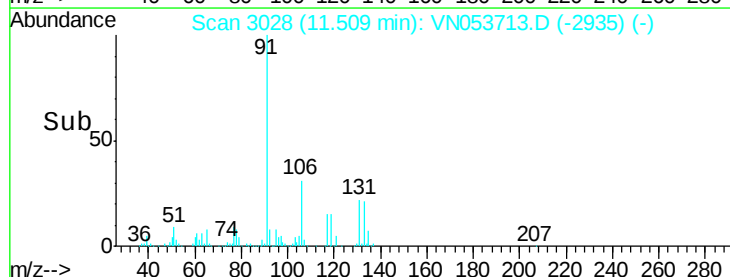
150000

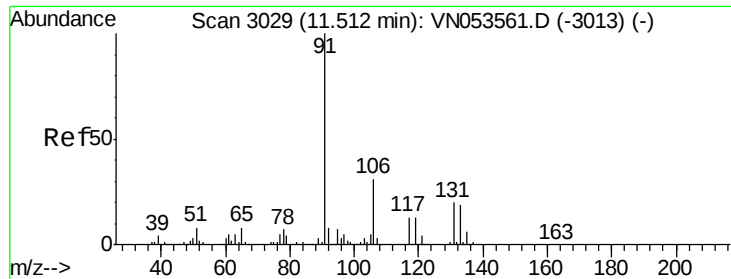
100000

50000

0

Time-->

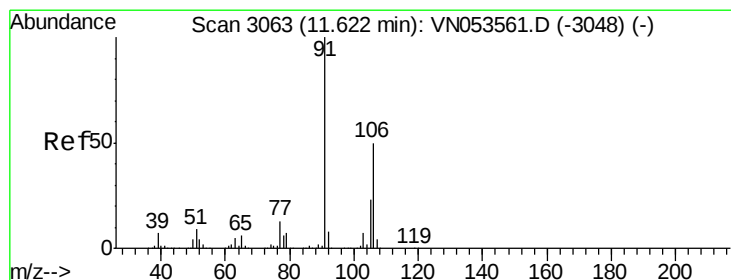
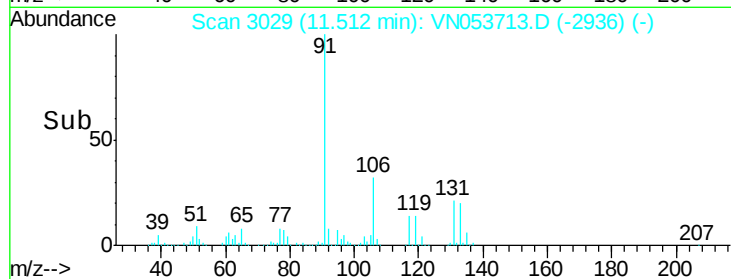
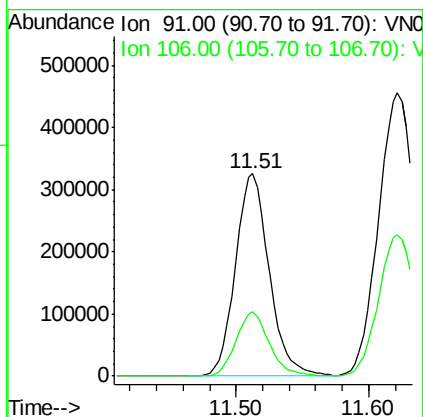
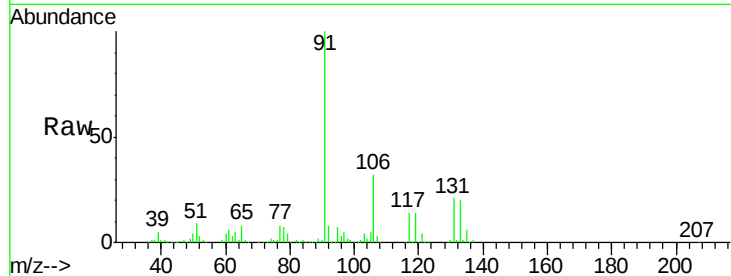




#67
Ethyl Benzene
Concen: 19.647 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

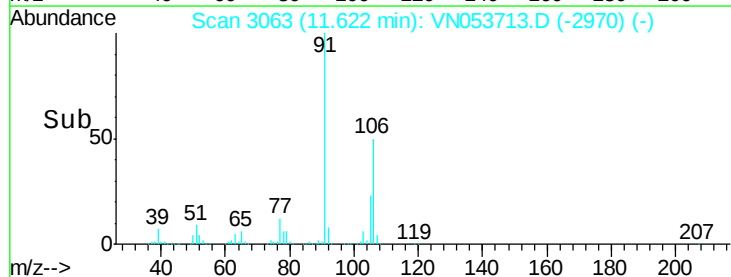
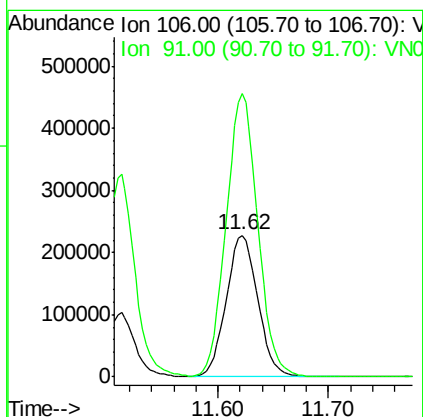
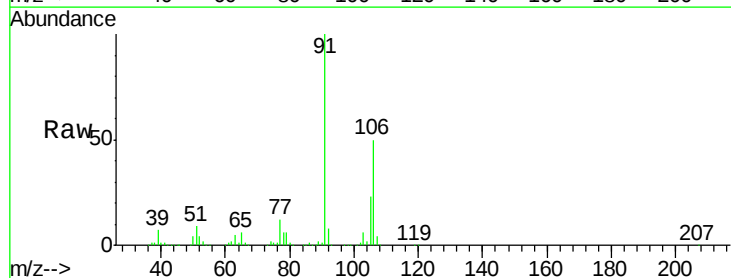
Instrument :
MSVOA_N
ClientSampled :
VN0211WBSD01

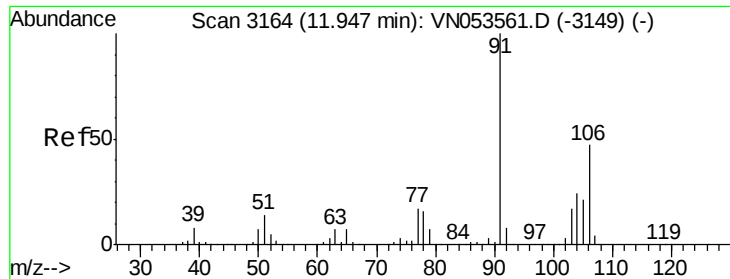
Tot Ion: 91 Resp: 576624
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.6



#68
m/p-Xylenes
Concen: 40.522 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion: 106 Resp: 453899
Ion Ratio Lower Upper
106 100
91 199.2 161.4 242.2

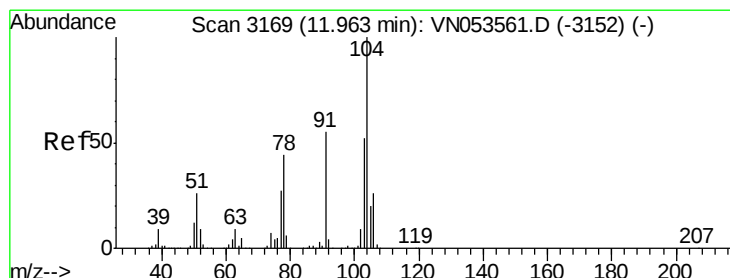
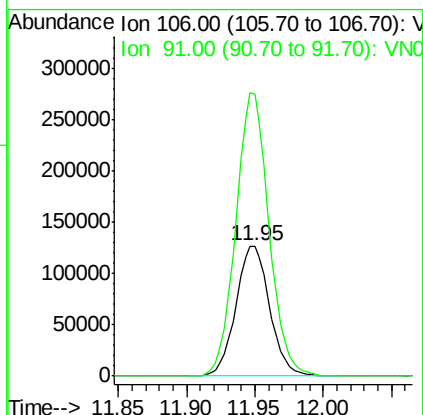
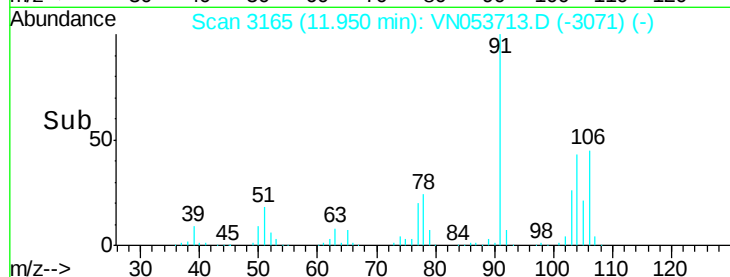
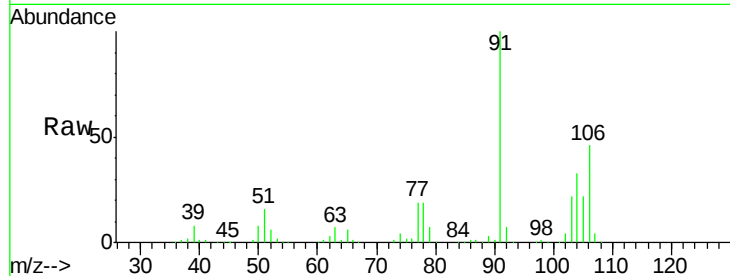




#69
o-Xylene
Concen: 20.092 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

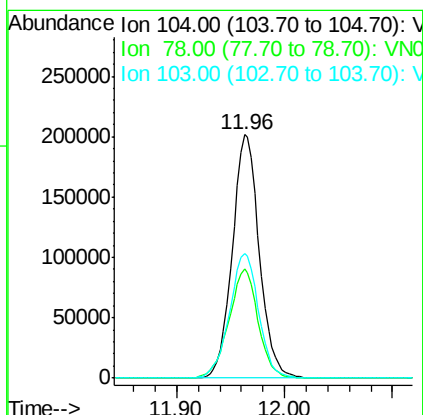
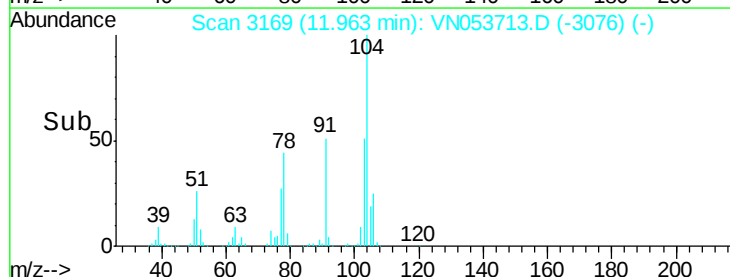
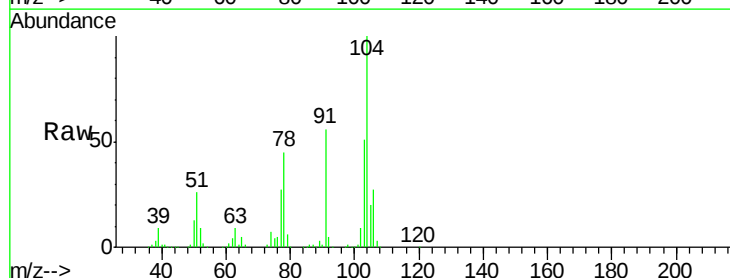
Instrument :
MSVOA_N
ClientSampled :
VN0211WBSD01

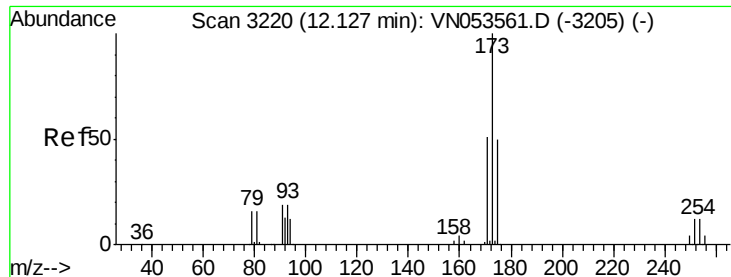
Tot Ion:106 Resp: 217422
Ion Ratio Lower Upper
106 100
91 213.9 106.9 320.8



#70
Styrene
Concen: 20.097 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion:104 Resp: 352489
Ion Ratio Lower Upper
104 100
78 48.4 38.2 57.2
103 55.2 44.4 66.6

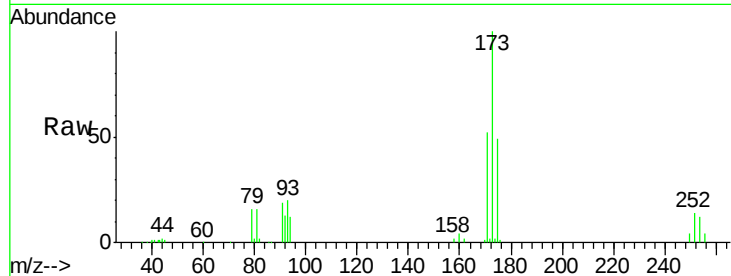




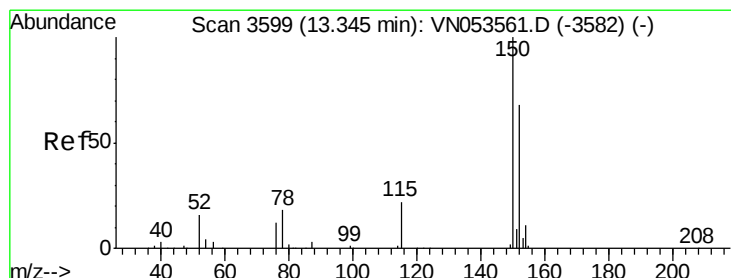
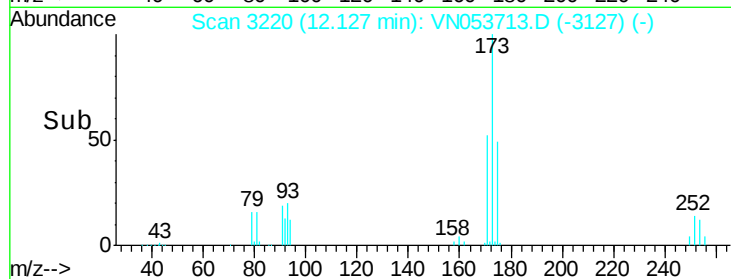
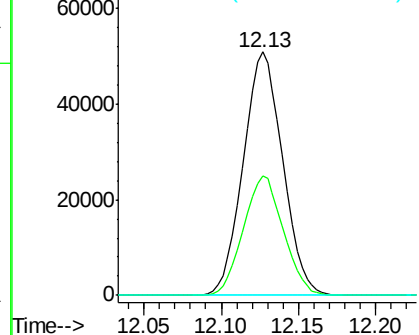
#71
Bromoform
Concen: 21.136 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Instrument :
MSVOA_N
ClientSampled :
VN0211WBSD01

Tot Ion:173 Resp: 90414
Ion Ratio Lower Upper
173 100
175 49.5 24.6 74.0
254 0.0 0.2 0.2#

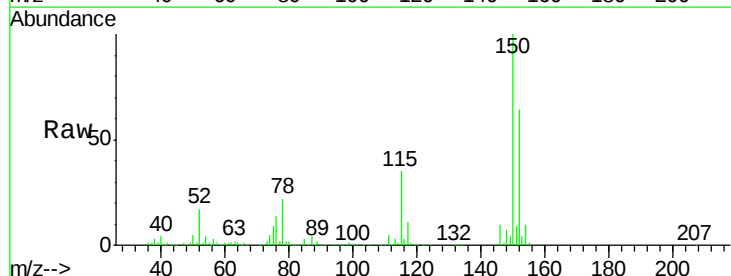


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

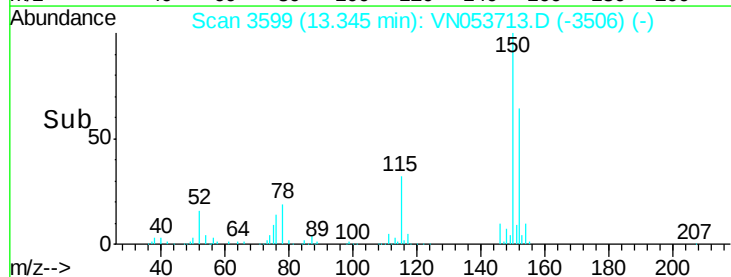
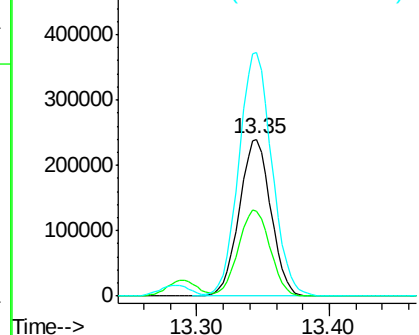


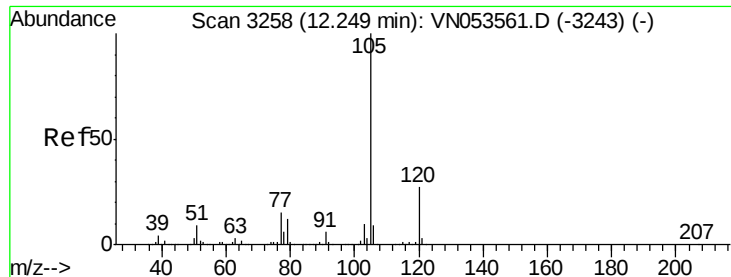
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion:152 Resp: 395824
Ion Ratio Lower Upper
152 100
115 55.6 27.8 83.4
150 163.2 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.649 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

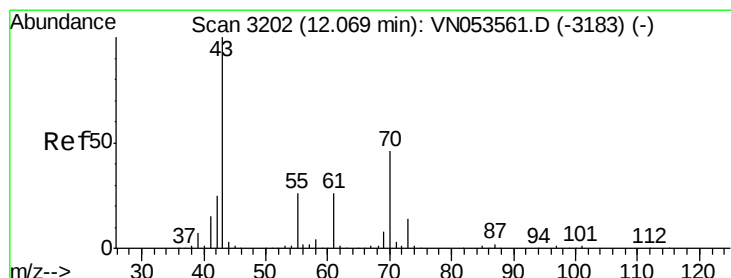
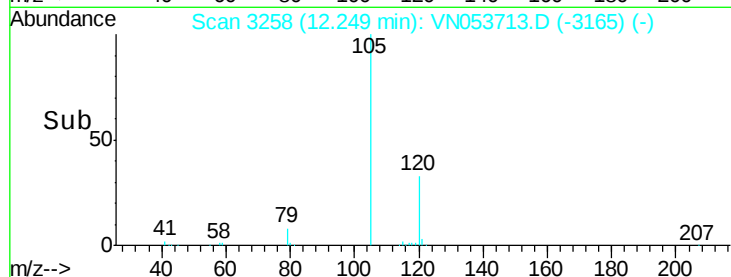
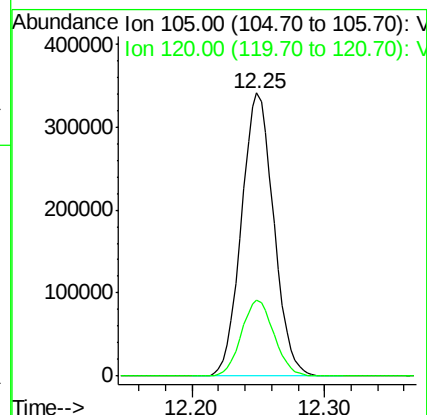
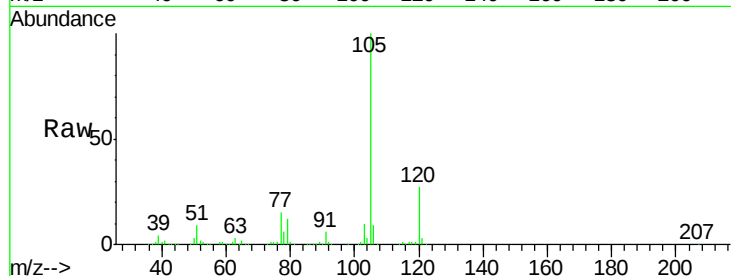
VN0211WBSD01

Tot Ion:105 Resp: 574574

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



#74

N-ethyl acetate

Concen: 21.337 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Tgt Ion: 43 Resp: 142767

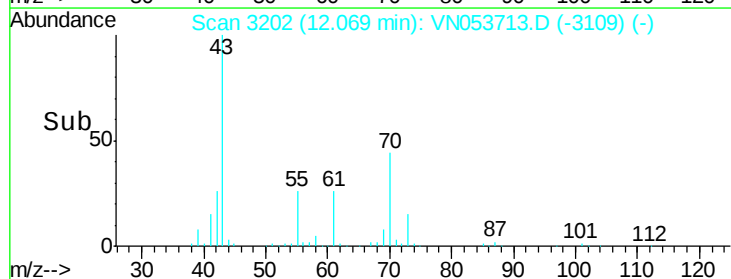
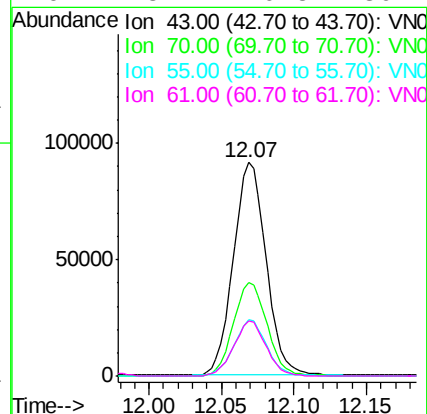
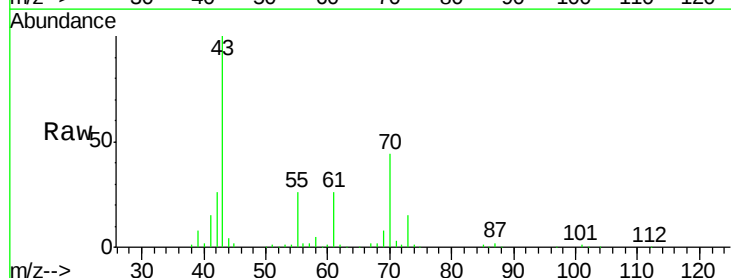
Ion Ratio Lower Upper

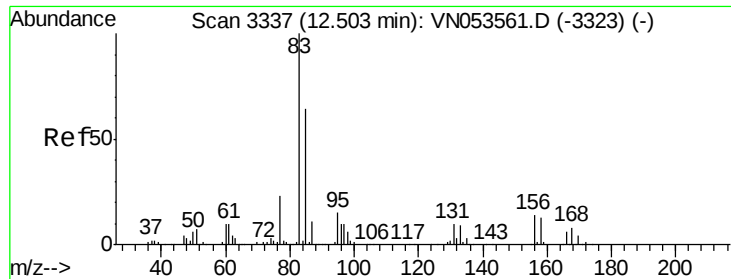
43 100

70 45.4 35.4 53.2

55 26.4 20.9 31.3

61 25.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.036 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampled :

VN0211WBSD01

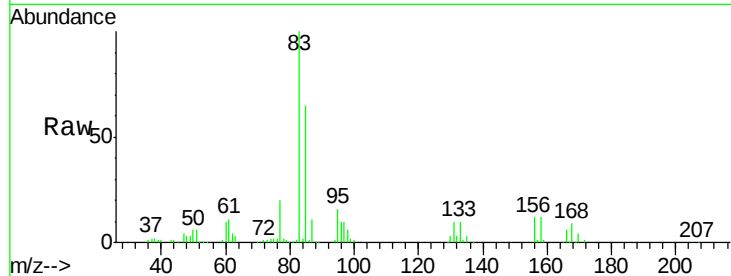
Tot Ion: 83 Resp: 140088

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

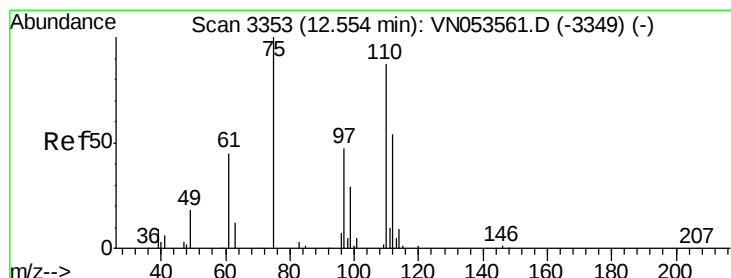
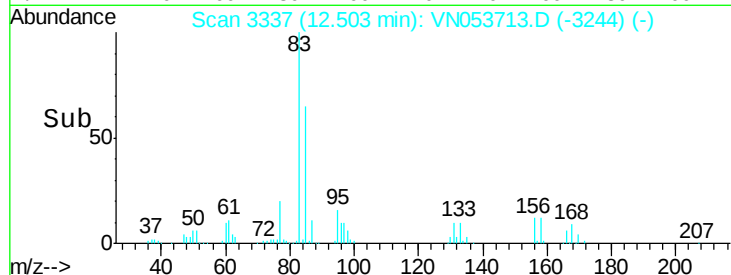
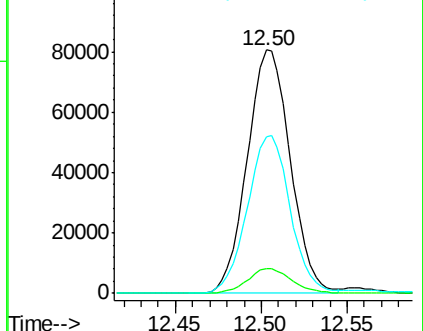
85 64.2 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.692 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053713.D

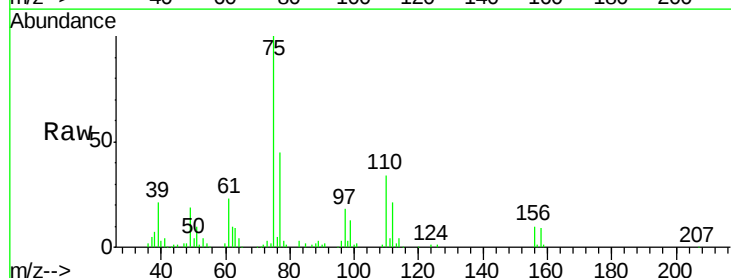
Acq: 11 Feb 2019 19:01

Tgt Ion: 75 Resp: 166210

Ion Ratio Lower Upper

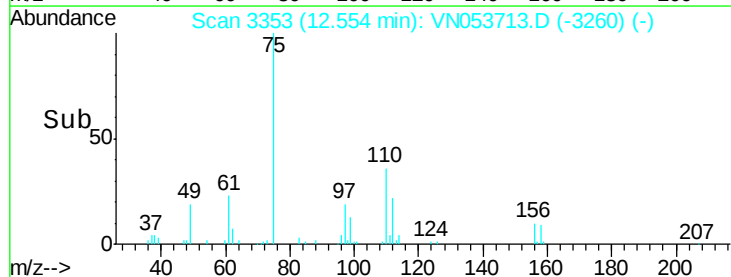
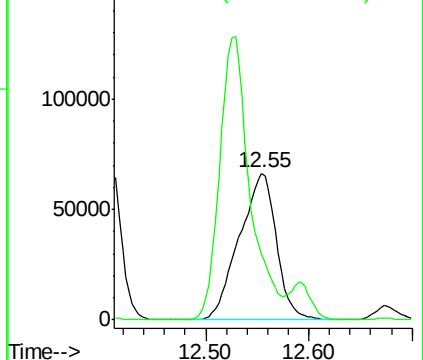
75 100

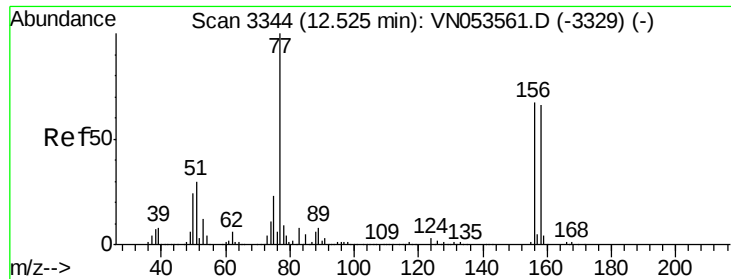
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.561 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

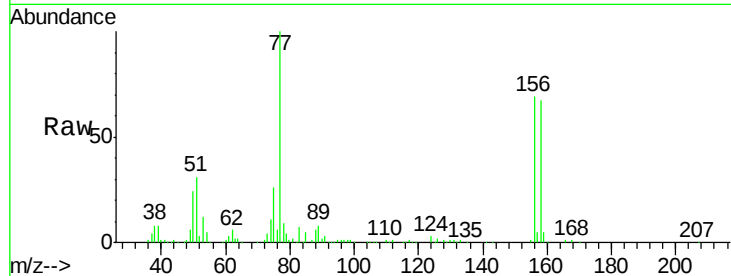
Tot Ion:156 Resp: 154194

Ion Ratio Lower Upper

156 100

77 169.5 87.9 263.8

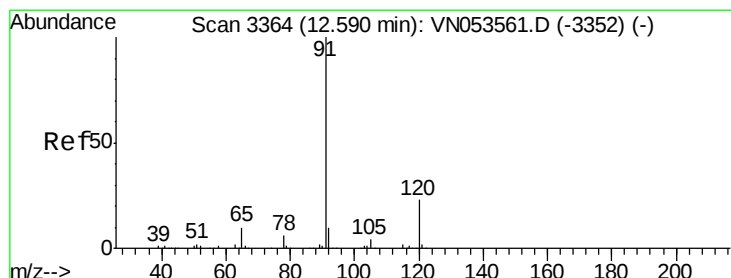
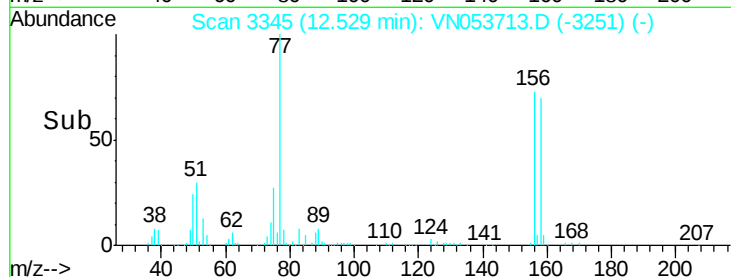
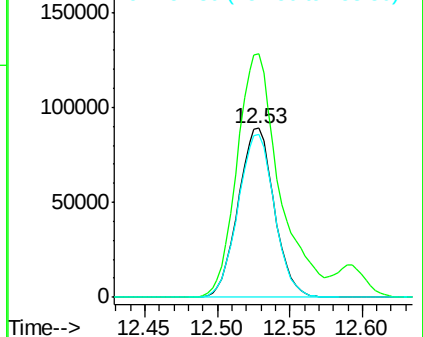
158 97.3 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.486 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053713.D

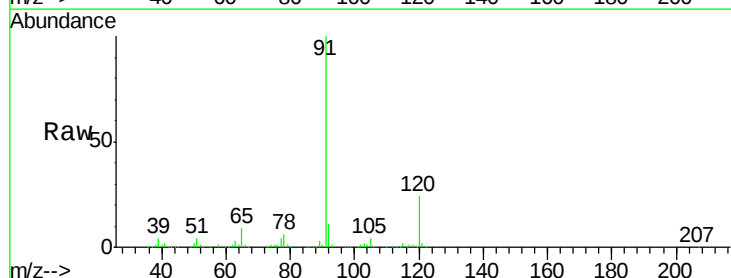
Acq: 11 Feb 2019 19:01

Tgt Ion: 91 Resp: 658971

Ion Ratio Lower Upper

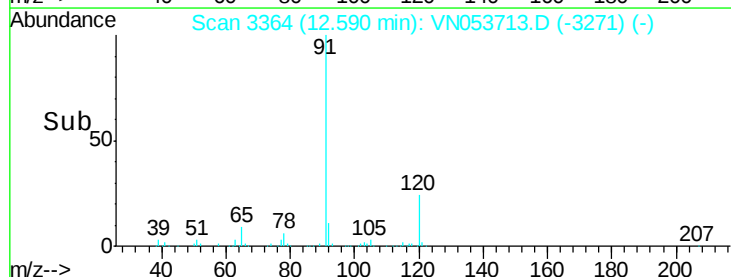
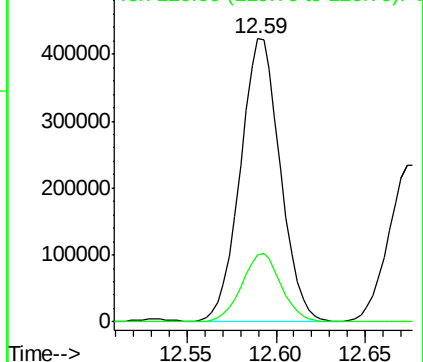
91 100

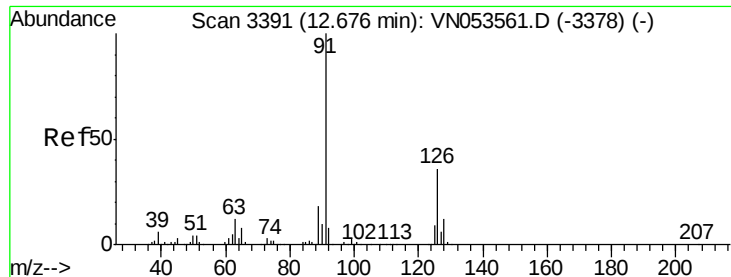
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.644 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

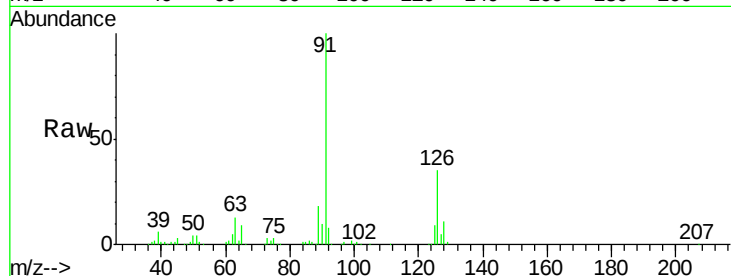
VN0211WBSD01

Tot Ion: 91 Resp: 393973

Ion Ratio Lower Upper

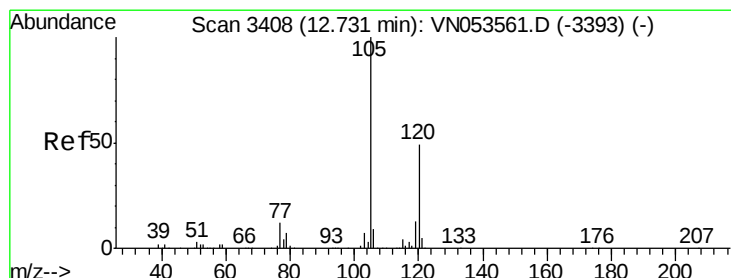
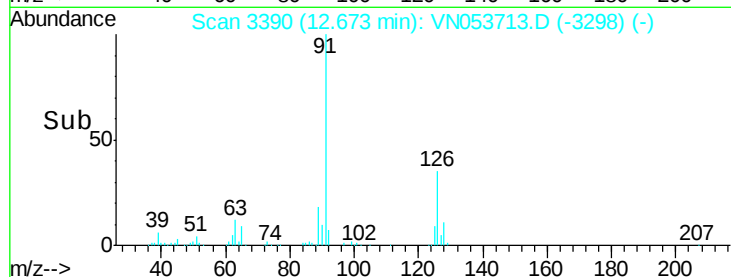
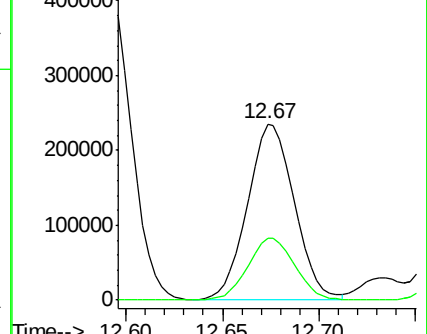
91 100

126 35.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.311 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053713.D

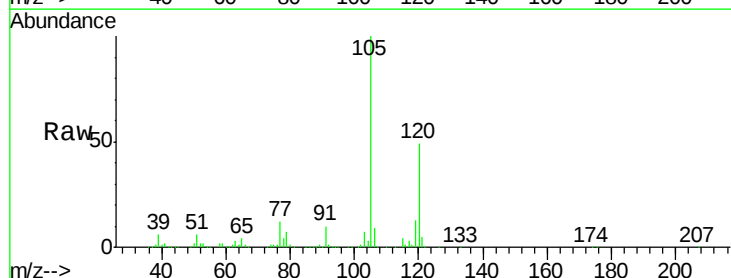
Acq: 11 Feb 2019 19:01

Tgt Ion:105 Resp: 491734

Ion Ratio Lower Upper

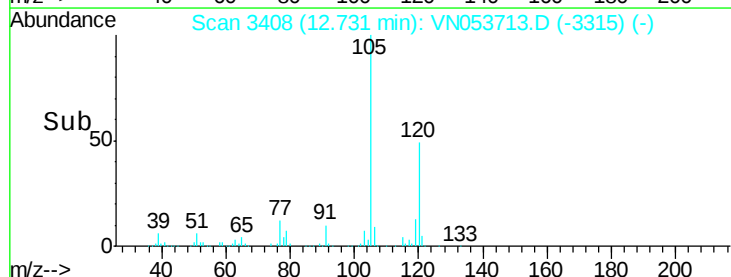
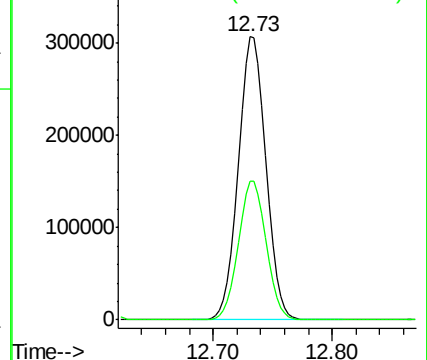
105 100

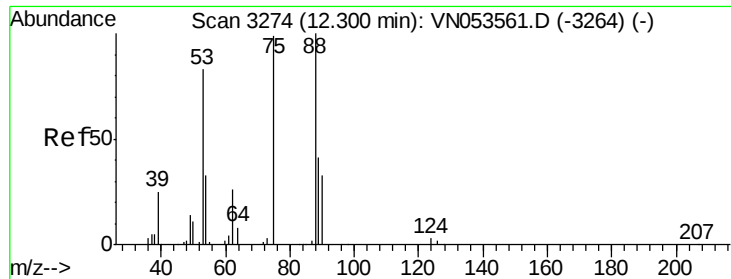
120 49.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

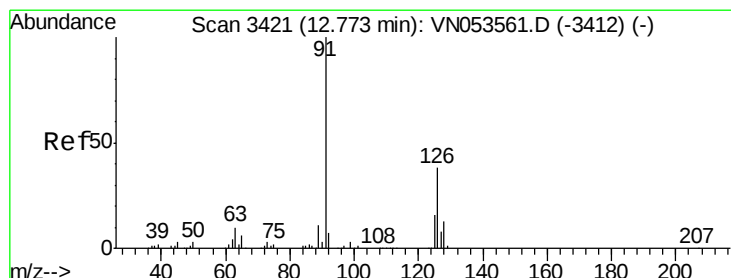
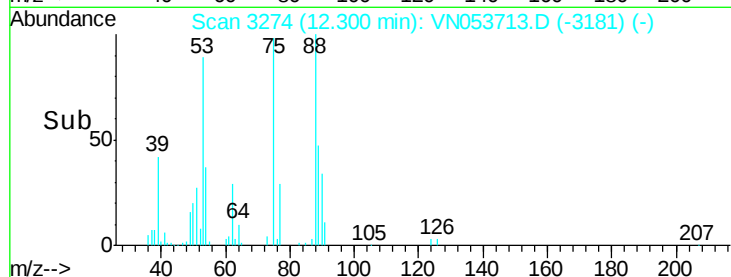
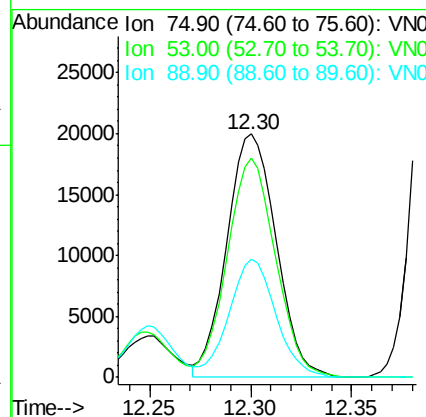
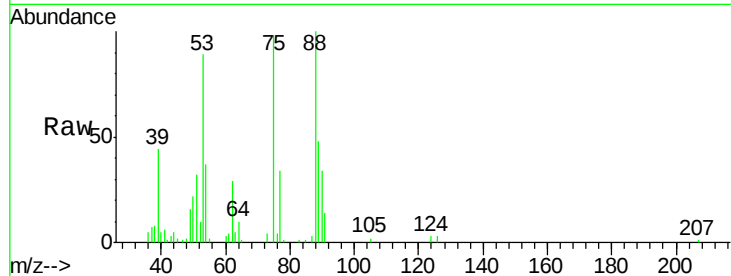




#81
trans-1,4-Dichloro-2-butene
Concen: 18.944 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

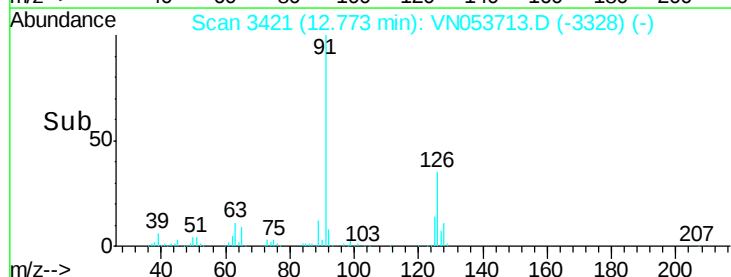
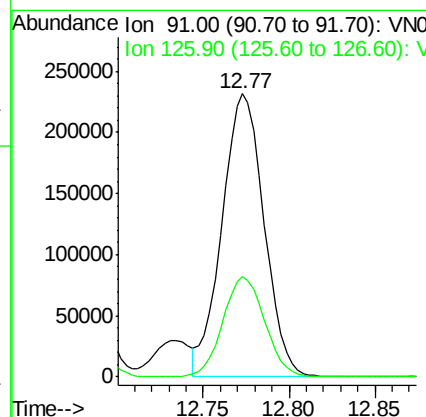
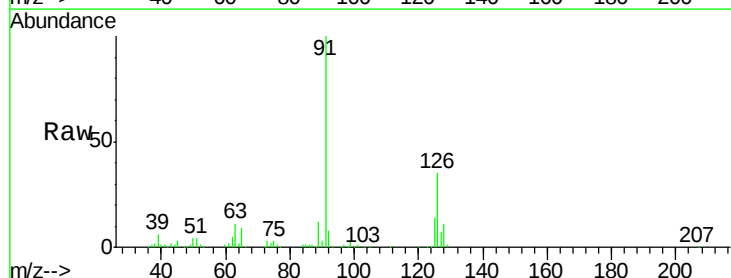
Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

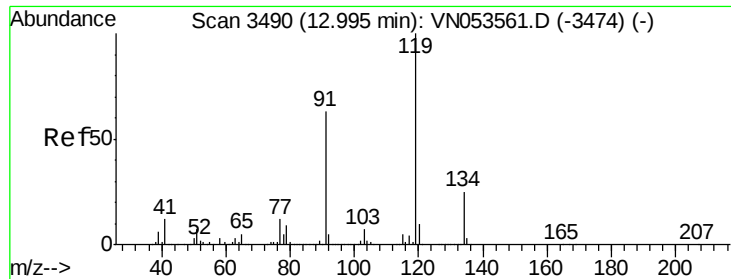
Tot Ion: 75 Resp: 34252
Ion Ratio Lower Upper
75 100
53 88.2 69.8 104.6
89 45.8 35.6 53.4



#82
4-Chlorotoluene
Concen: 20.131 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion: 91 Resp: 394222
Ion Ratio Lower Upper
91 100
126 35.5 17.6 52.9

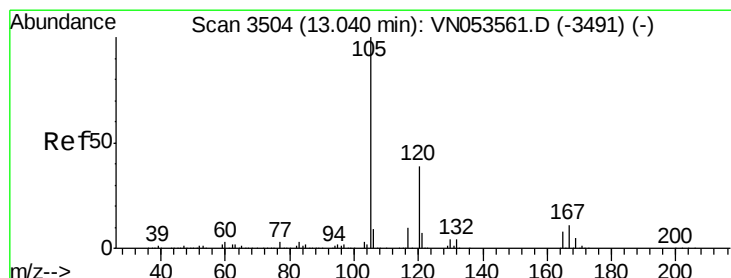
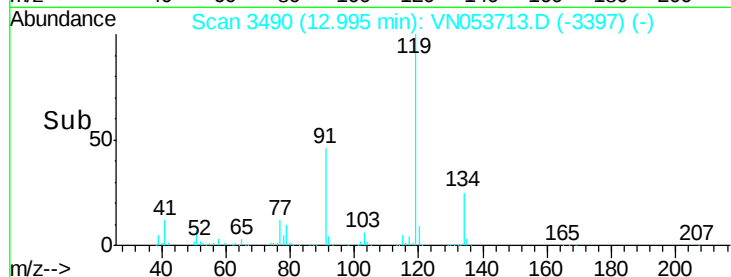
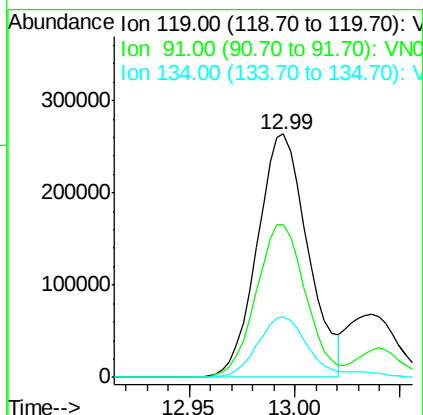
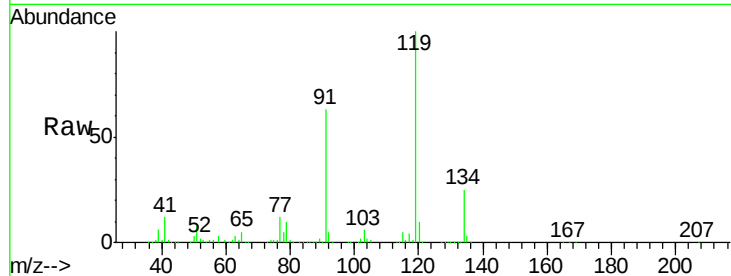




#83
 tert-Butylbenzene
 Concen: 21.599 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053713.D
 Acq: 11 Feb 2019 19:01

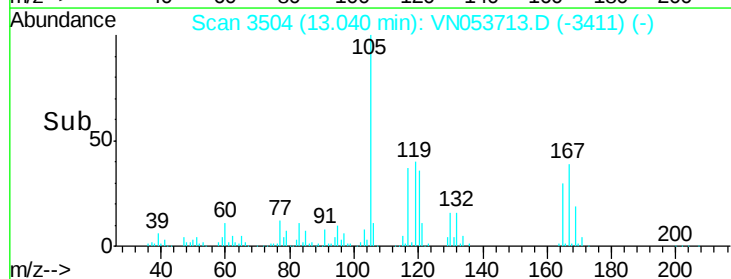
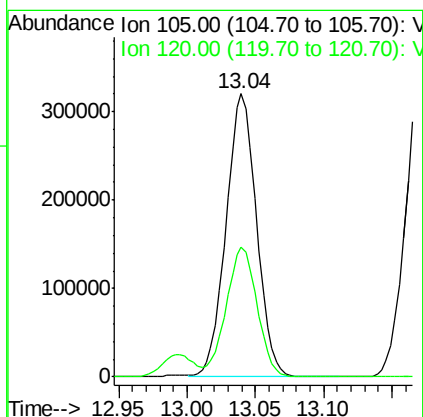
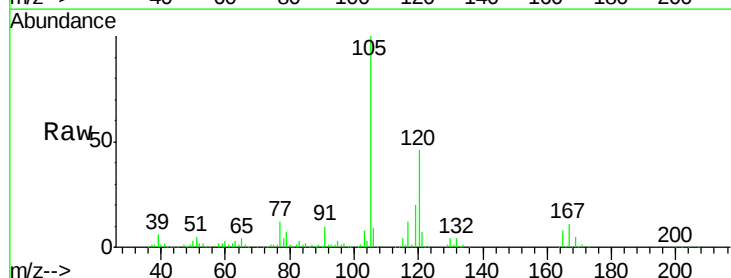
Instrument :
 MSVOA_N
 ClientSampled :
 VN0211WBSD01

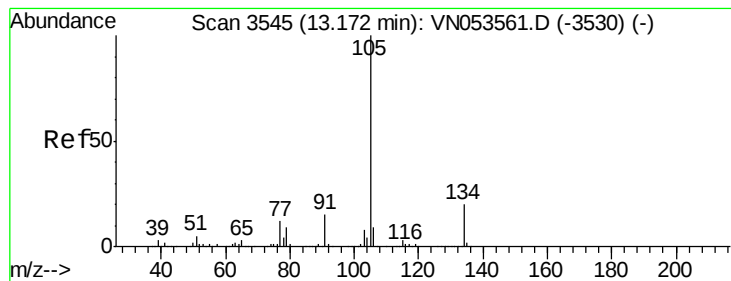
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	31.3	93.8
134	26.0	12.9	38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.097 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053713.D
 Acq: 11 Feb 2019 19:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.0	69.0





#85

sec-Butylbenzene

Concen: 21.218 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampled :

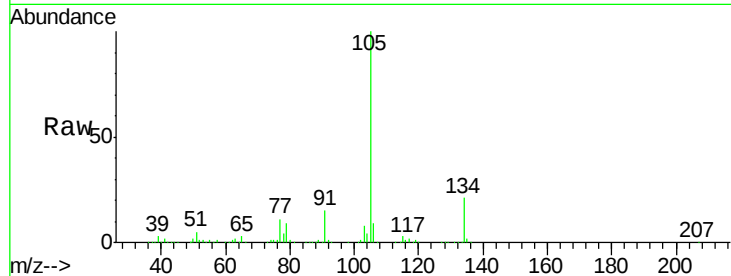
VN0211WBSD01

Tot Ion:105 Resp: 588832

Ion Ratio Lower Upper

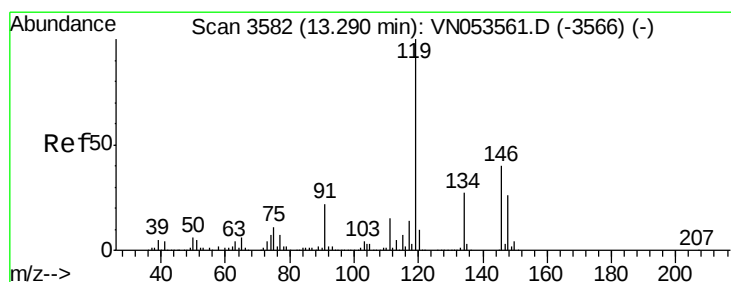
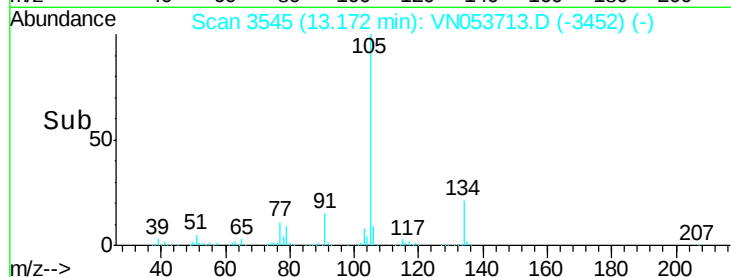
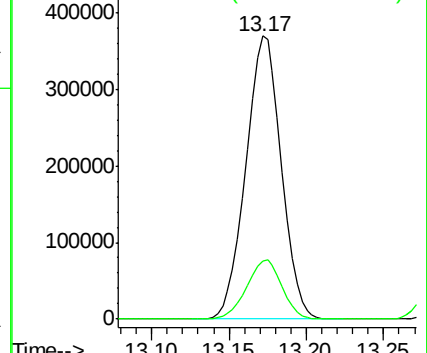
105 100

134 20.7 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: 20.797 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

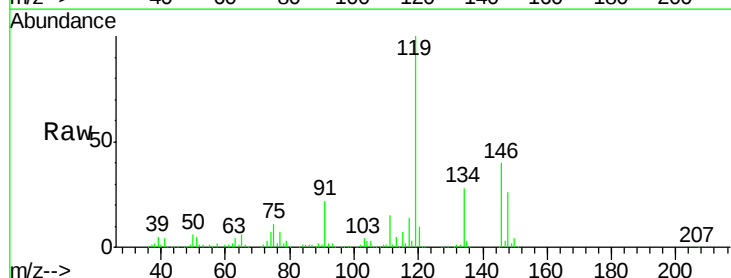
Tgt Ion:119 Resp: 504765

Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.4

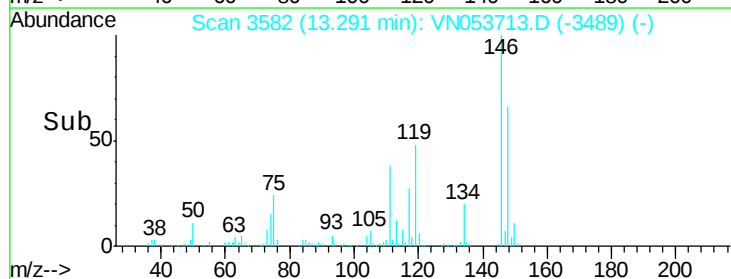
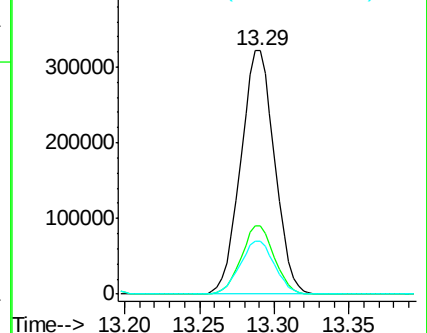
91 22.1 11.0 33.0

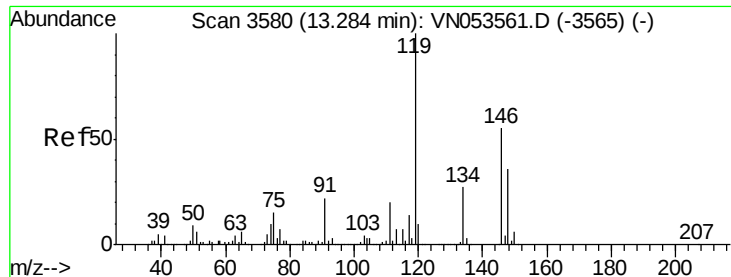


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

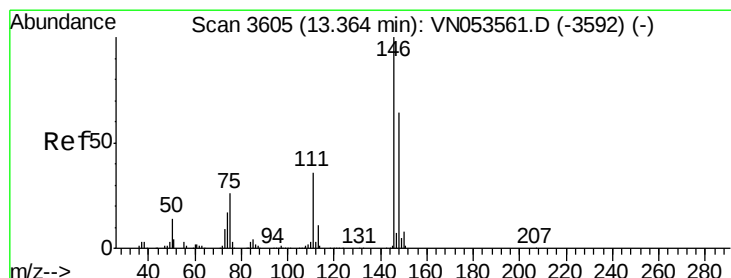
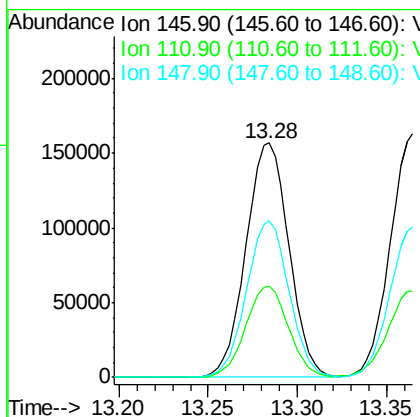
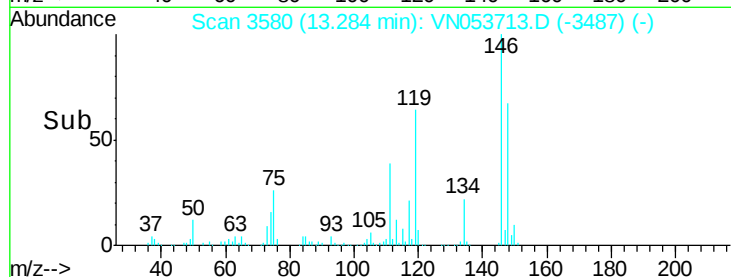
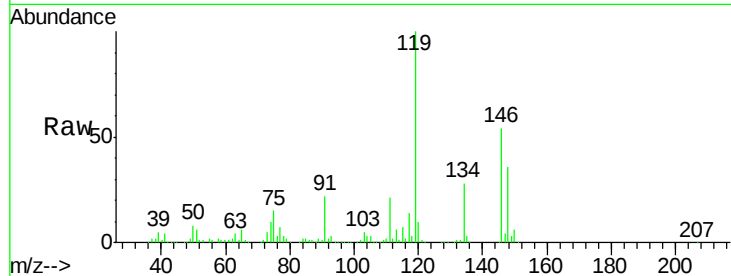




#87
 1,3-Dichlorobenzene
 Concen: 19.575 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053713.D
 Acq: 11 Feb 2019 19:01

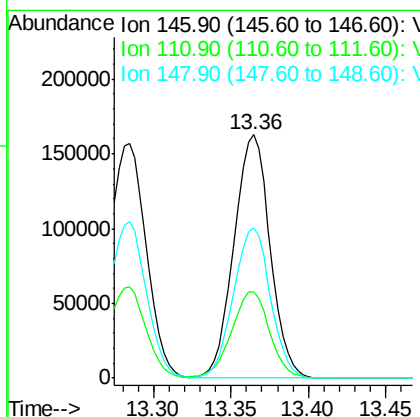
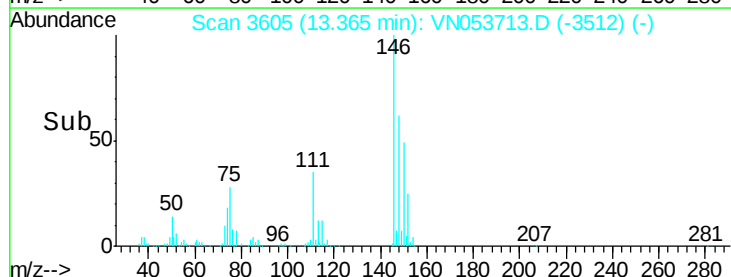
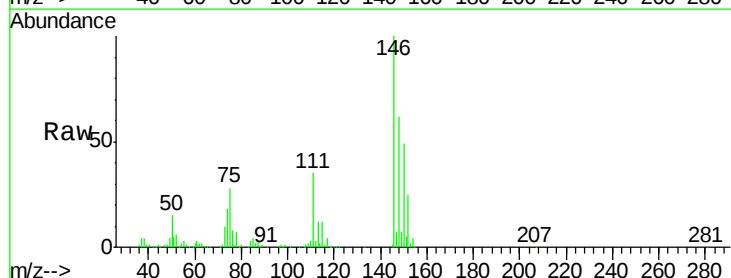
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBSD01

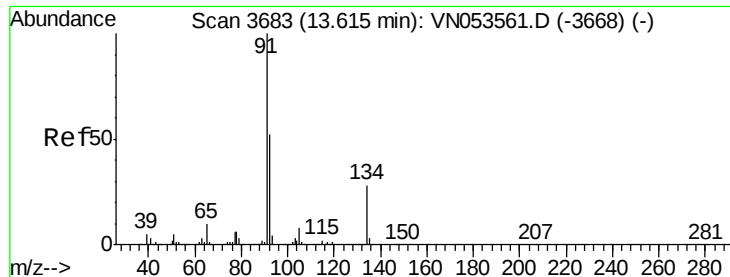
Tot Ion:146 Resp: 263893
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.8 56.3
 148 66.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.835 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053713.D
 Acq: 11 Feb 2019 19:01

Tgt Ion:146 Resp: 264506
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.8
 148 63.1 32.4 97.0

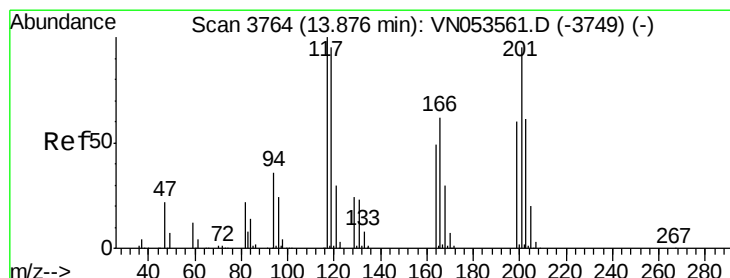
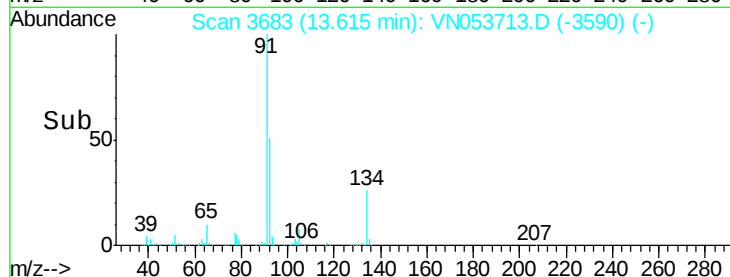
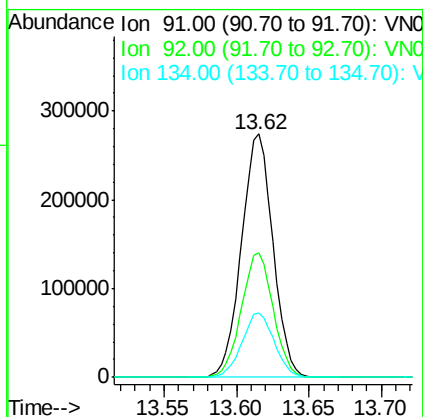
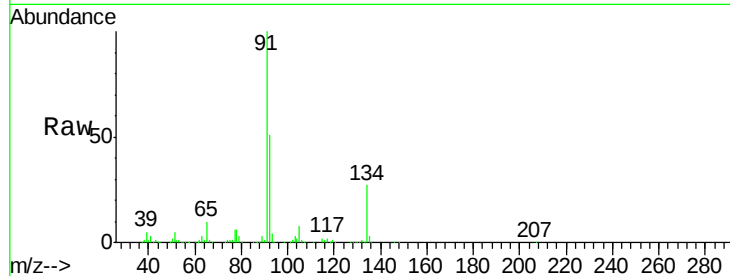




#89
n-Butylbenzene
Concen: 19.735 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

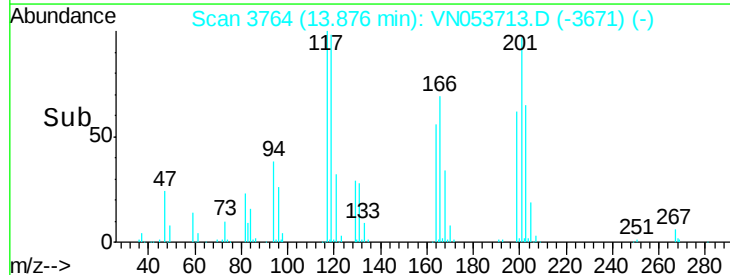
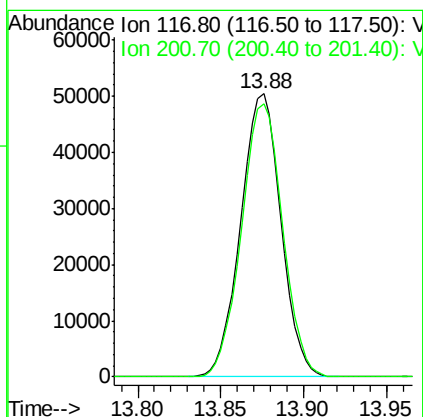
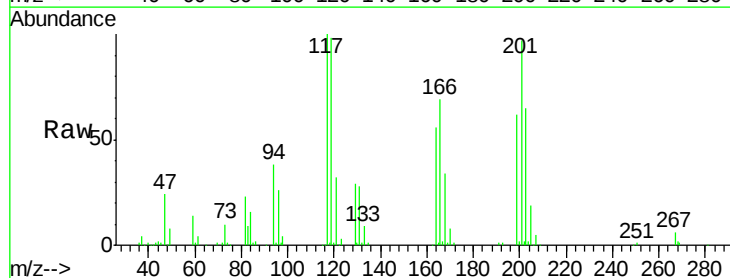
Instrument :
MSVOA_N
ClientSampleId :
VN0211WBSD01

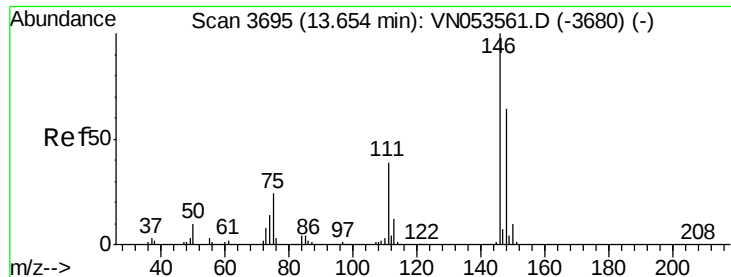
Tot Ion: 91 Resp: 414604
Ion Ratio Lower Upper
91 100
92 51.6 26.3 78.8
134 27.0 13.5 40.5



#90
Hexachloroethane
Concen: 21.326 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053713.D
Acq: 11 Feb 2019 19:01

Tgt Ion: 117 Resp: 85377
Ion Ratio Lower Upper
117 100
201 98.4 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 20.422 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

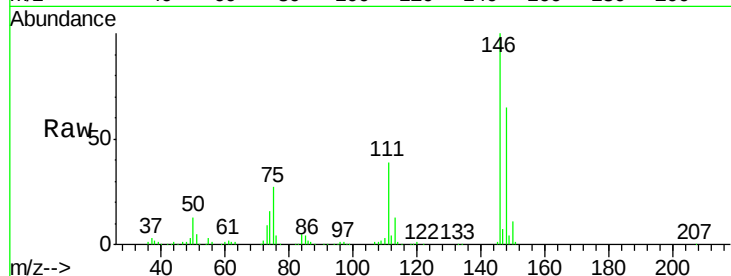
Tot Ion:146 Resp: 263574

Ion Ratio Lower Upper

146 100

111 38.8 19.5 58.5

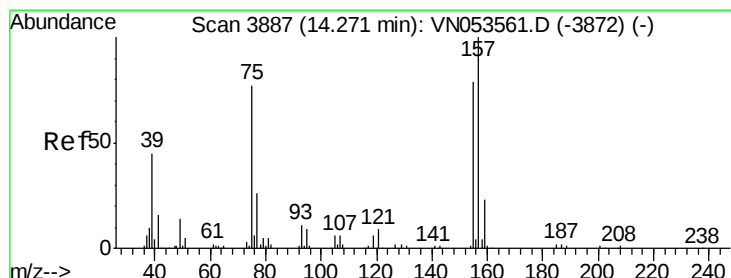
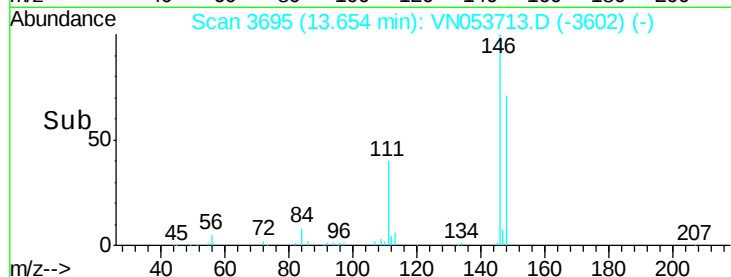
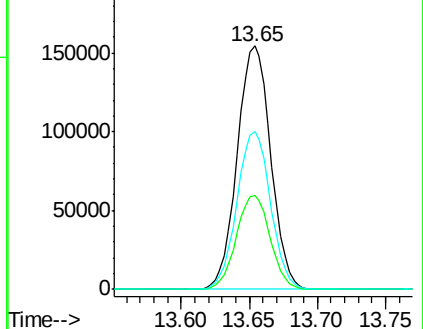
148 64.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.255 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

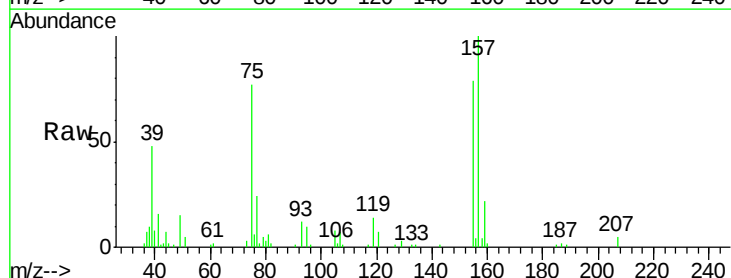
Tgt Ion: 75 Resp: 21122

Ion Ratio Lower Upper

75 100

155 99.8 48.9 146.7

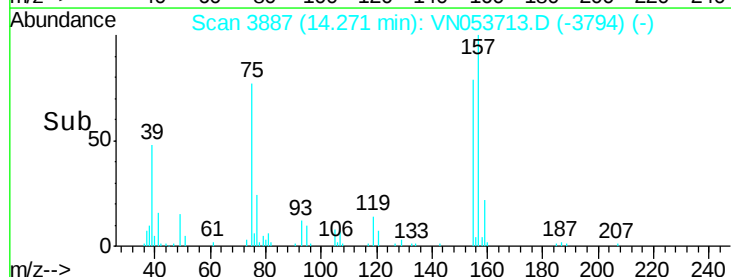
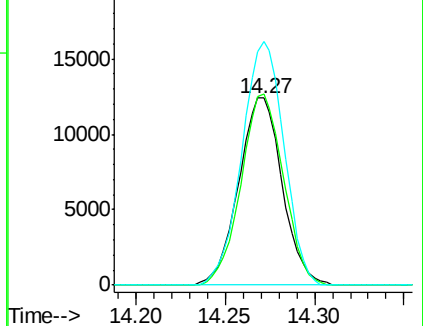
157 126.2 63.7 191.3

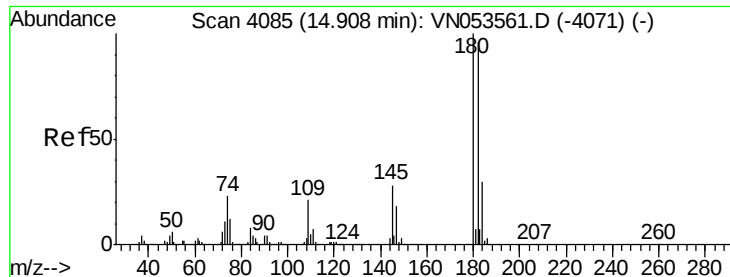


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

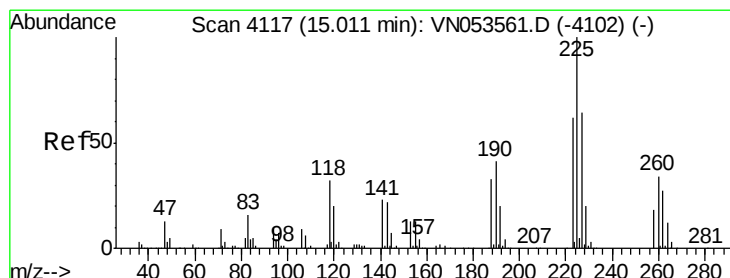
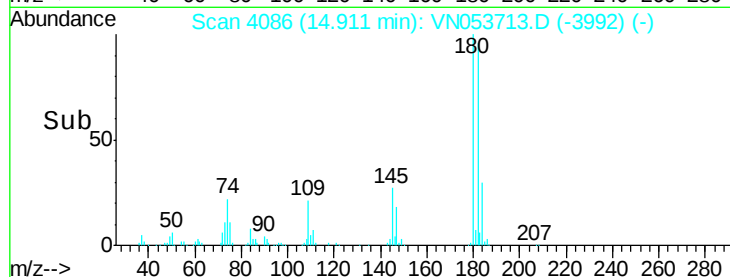
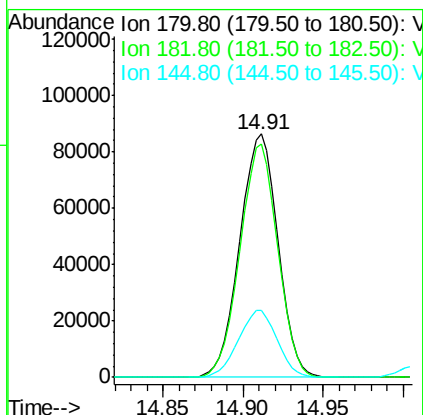
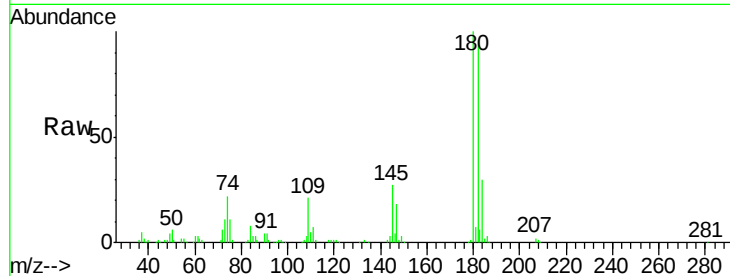




#93
 1,2,4-Trichlorobenzene
 Concen: 19.049 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053713.D
 Acq: 11 Feb 2019 19:01

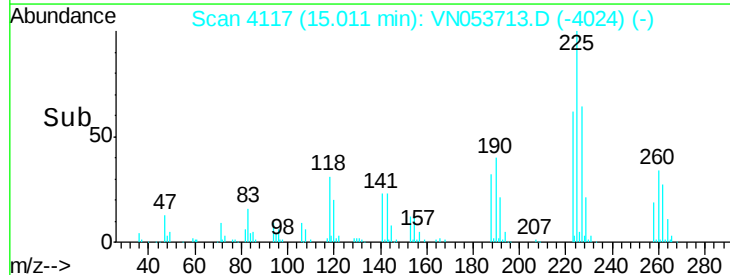
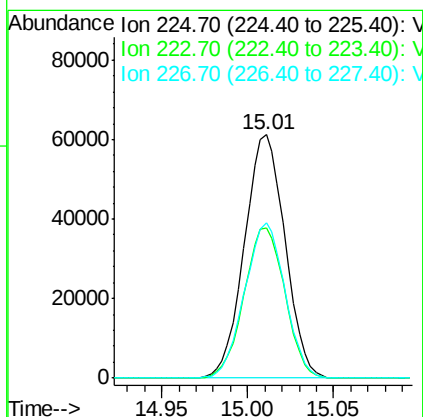
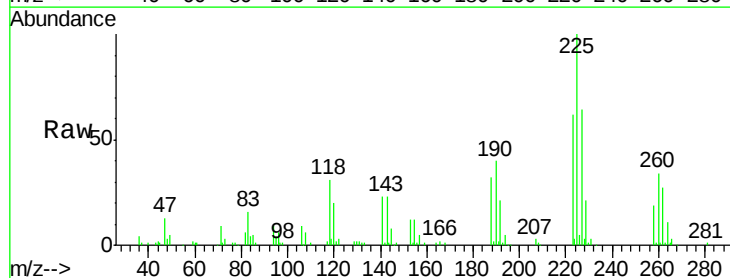
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBSD01

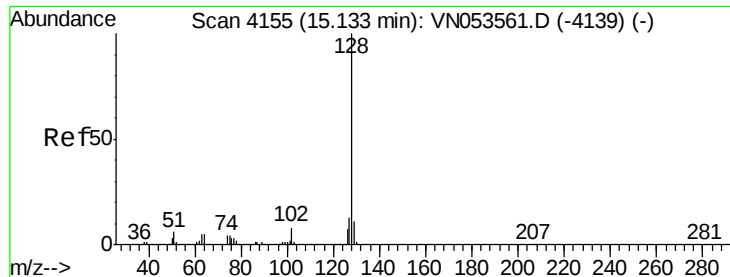
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.1	144.3
145	27.9	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 21.703 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053713.D
 Acq: 11 Feb 2019 19:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.1	93.2
227	63.4	32.0	96.2





#95

Naphthalene

Concen: 17.740 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

Instrument :

MSVOA_N

ClientSampleId :

VN0211WBSD01

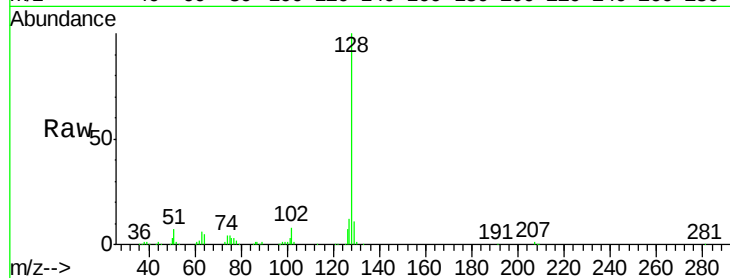
Tot Ion:128 Resp: 288274

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

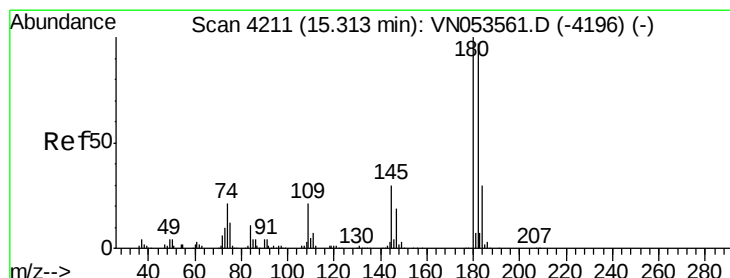
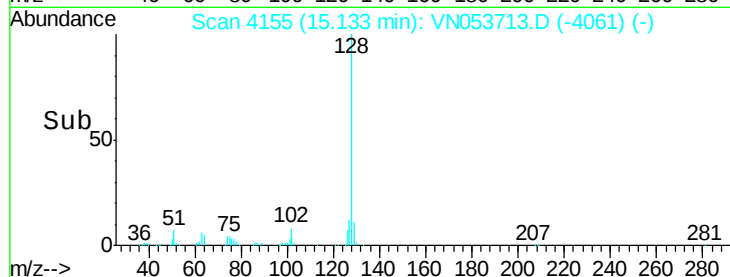
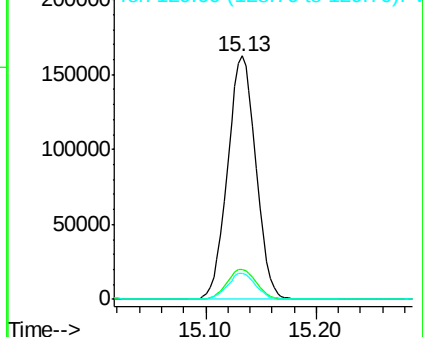
129 10.7 8.6 13.0



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: 19.919 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053713.D

Acq: 11 Feb 2019 19:01

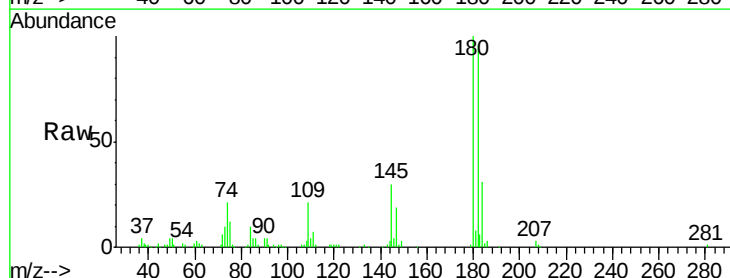
Tgt Ion:180 Resp: 136807

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.8

145 29.5 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

