

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053599.D
 Acq On : 4 Feb 2019 16:23
 Operator : JC/SP
 Sample : VN0204WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

Quant Time: Feb 05 01:28:03 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	723827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1153010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	988572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	461863	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	386874	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
35) Dibromofluoromethane	7.59	113	366390	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	10.09	98	1365435	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.40	95	454384	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	155528	19.268	ug/l	99
3) Chloromethane	2.06	50	169744	19.753	ug/l	99
4) Vinyl Chloride	2.19	62	170715	20.465	ug/l	100
5) Bromomethane	2.57	94	111340	20.413	ug/l	97
6) Chloroethane	2.71	64	95649	20.065	ug/l	99
7) Trichlorofluoromethane	3.02	101	223012	19.714	ug/l	99
8) Diethyl Ether	3.41	74	84206	20.383	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133873	19.135	ug/l	99
10) Methyl Iodide	3.96	142	213354	19.430	ug/l	100
11) Tert butyl alcohol	4.78	59	44947	104.590	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	133705	19.948	ug/l	99
13) Acrolein	3.61	56	24895	106.399	ug/l	99
14) Allyl chloride	4.33	41	214220	20.073	ug/l	99
15) Acrylonitrile	4.99	53	239702	103.320	ug/l	100
16) Acetone	3.82	43	161631	86.779	ug/l	99
17) Carbon Disulfide	4.06	76	377241	18.075	ug/l	99
18) Methyl Acetate	4.33	43	108825	19.729	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	354757	20.878	ug/l	100
20) Methylene Chloride	4.55	84	152422	19.506	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	140550	19.436	ug/l	99
22) Diisopropyl ether	5.95	45	405345	20.498	ug/l	93
23) Vinyl Acetate	5.90	43	1402312	102.508	ug/l	98
24) 1,1-Dichloroethane	5.85	63	267091	20.250	ug/l	100
25) 2-Butanone	6.84	43	250791	94.409	ug/l	97
26) 2,2-Dichloropropane	6.82	77	178738	17.752	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160699	19.985	ug/l	98
28) Bromochloromethane	7.19	49	120157	20.993	ug/l	95
29) Tetrahydrofuran	7.21	42	180195	105.638	ug/l	99
30) Chloroform	7.37	83	261163	19.974	ug/l	99
31) Cyclohexane	7.65	56	238067	19.282	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	212179	19.500	ug/l	99
36) 1,1-Dichloropropene	7.79	75	197730	19.024	ug/l	100
37) Ethyl Acetate	6.93	43	116915	20.141	ug/l	99
38) Carbon Tetrachloride	7.78	117	186242	17.787	ug/l	97

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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	220027	17.843	ug/l	97
40) Benzene	8.04	78	607181	18.944	ug/l	99
41) Methacrylonitrile	7.17	41	63324	19.518	ug/l	92
42) 1,2-Dichloroethane	8.12	62	178797	18.788	ug/l	99
43) Isopropyl Acetate	8.17	43	212176	18.927	ug/l #	85
44) Trichloroethene	8.84	130	169184	18.541	ug/l	99
45) 1,2-Dichloropropane	9.12	63	157575	19.221	ug/l	99
46) Dibromomethane	9.21	93	92962	18.811	ug/l	100
47) Bromodichloromethane	9.40	83	188762	18.371	ug/l	99
48) Methyl methacrylate	9.20	41	95986	17.937	ug/l	92
49) 1,4-Dioxane	9.20	88	28262	389.332	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	534523	97.030	ug/l	100
52) Toluene	10.16	92	363326	19.100	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	185007	17.981	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	224126	18.383	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	134413	19.609	ug/l	99
56) Ethyl methacrylate	10.43	69	154980	19.112	ug/l	98
57) 1,3-Dichloropropane	10.71	76	224320	19.148	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	442686	93.216	ug/l	99
59) 2-Hexanone	10.75	43	335641	89.748	ug/l	99
60) Dibromochloromethane	10.90	129	142663	18.456	ug/l	99
61) 1,2-Dibromoethane	11.01	107	126093	18.586	ug/l	99
64) Tetrachloroethene	10.63	164	154510	18.233	ug/l	99
65) Chlorobenzene	11.44	112	399919	19.045	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	138211	18.847	ug/l	99
67) Ethyl Benzene	11.51	91	665861	19.304	ug/l	99
68) m/p-Xylenes	11.62	106	516817	39.257	ug/l	100
69) o-Xylene	11.95	106	252155	19.826	ug/l	99
70) Styrene	11.96	104	400335	19.420	ug/l	99
71) Bromoform	12.13	173	92360	18.370	ug/l #	100
73) Isopropylbenzene	12.25	105	656243	20.212	ug/l	100
74) N-amyl acetate	12.07	43	153458	19.655	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	150361	19.350	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	181706	30.630	ug/l #	100
77) Bromobenzene	12.53	156	172528	19.716	ug/l	98
78) n-propylbenzene	12.59	91	748053	19.930	ug/l	100
79) 2-Chlorotoluene	12.68	91	446658	20.058	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	551766	20.493	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36261	17.188	ug/l	96
82) 4-Chlorotoluene	12.77	91	449138	19.656	ug/l	100
83) tert-Butylbenzene	12.99	119	490554	20.615	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	562395	20.502	ug/l	100
85) sec-Butylbenzene	13.17	105	648056	20.013	ug/l	99
86) p-Isopropyltoluene	13.29	119	570732	20.152	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	301875	19.191	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	297850	19.142	ug/l	100
89) n-Butylbenzene	13.62	91	473240	19.305	ug/l	100
90) Hexachloroethane	13.87	117	87981	18.834	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	293532	19.492	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21745	19.636	ug/l	98

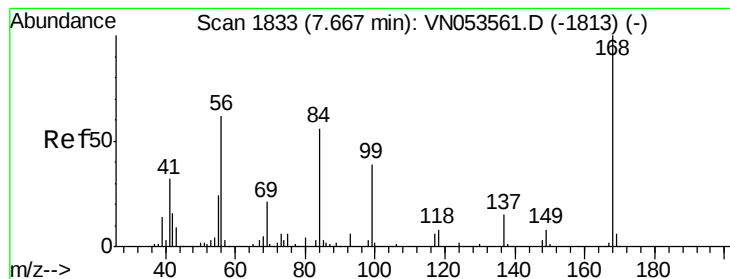
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	172403	19.961	ug/l	99
94) Hexachlorobutadiene	15.01	225	94763	17.618	ug/l	98
95) Naphthalene	15.13	128	384821	20.045	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	163220	20.367	ug/l	99

(#) = 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: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

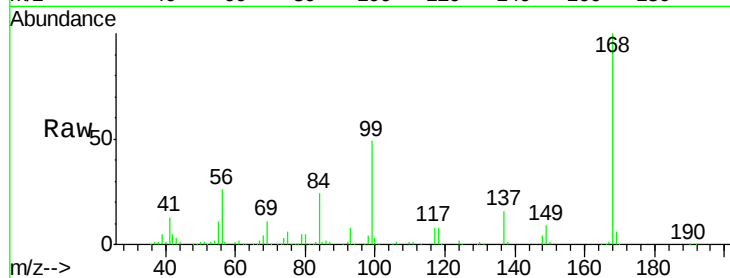
VN0204WBSD01

Tot Ion:168 Resp: 723827

Ion Ratio Lower Upper

168 100

99 48.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

300000

250000

200000

150000

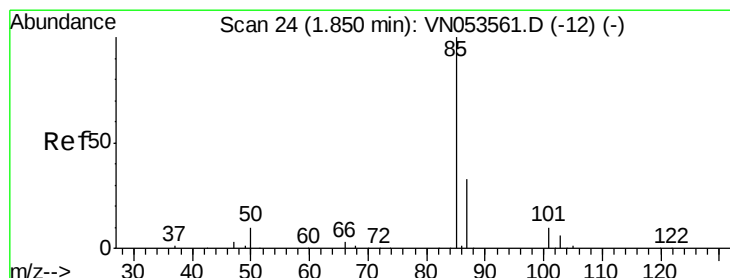
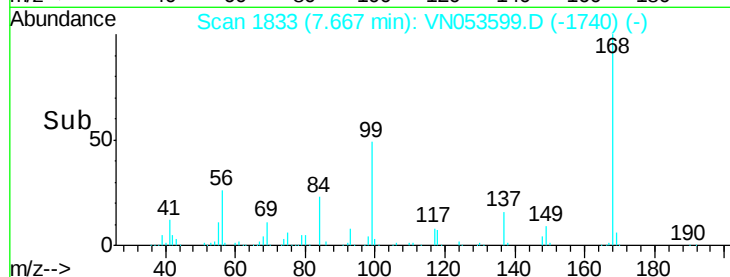
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.268 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053599.D

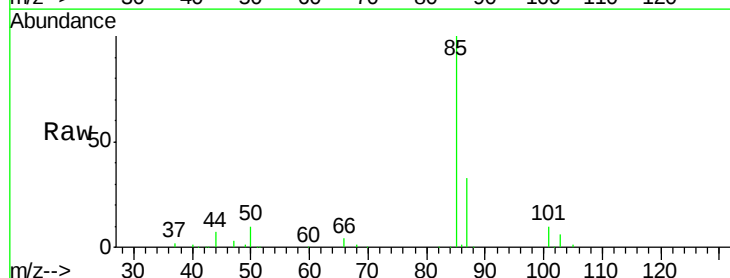
Acq: 4 Feb 2019 16:23

Tgt Ion: 85 Resp: 155528

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

120000

100000

80000

60000

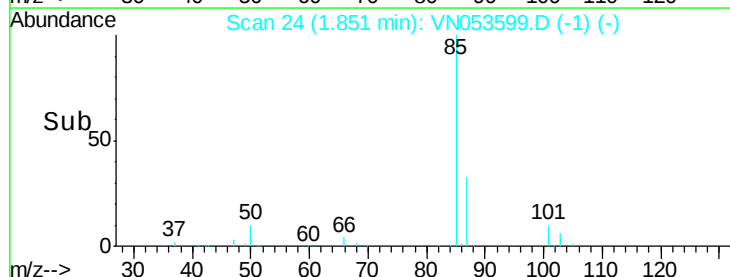
40000

20000

0

1.80 1.85 1.90 1.95

Time-->

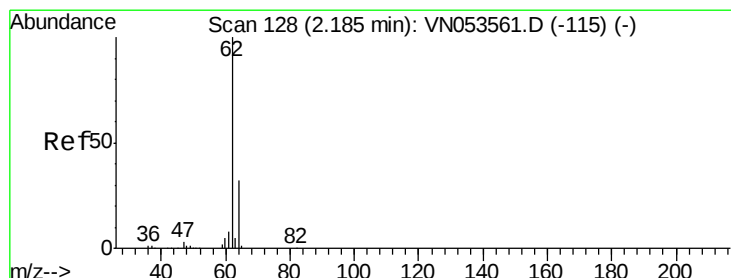
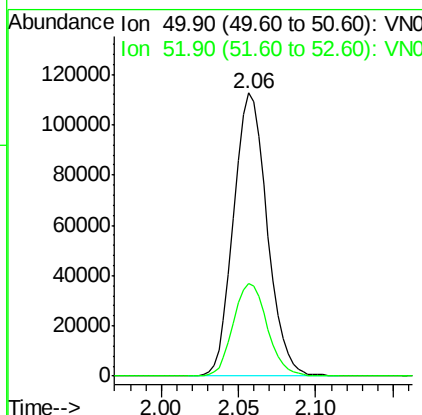
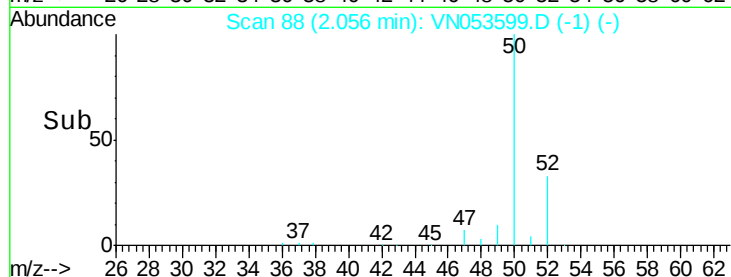
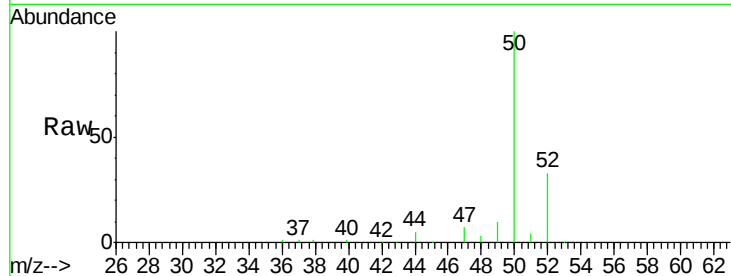




#3
 Chloromethane
 Concen: 19.753 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

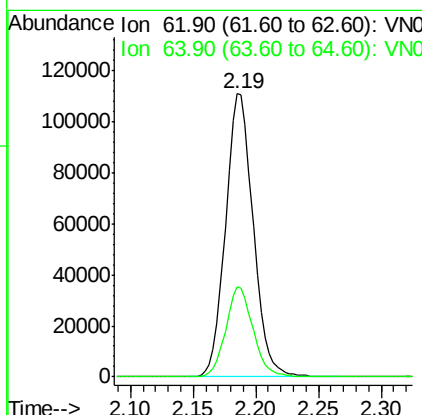
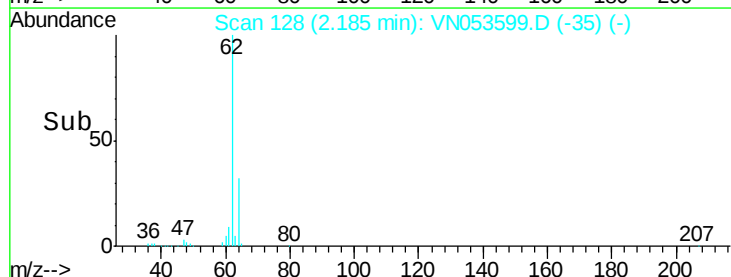
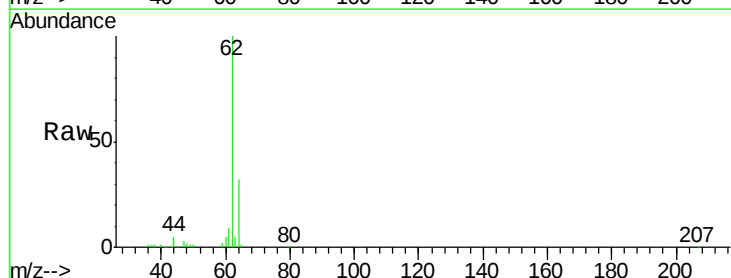
Instrument :
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 ClientSampleId :
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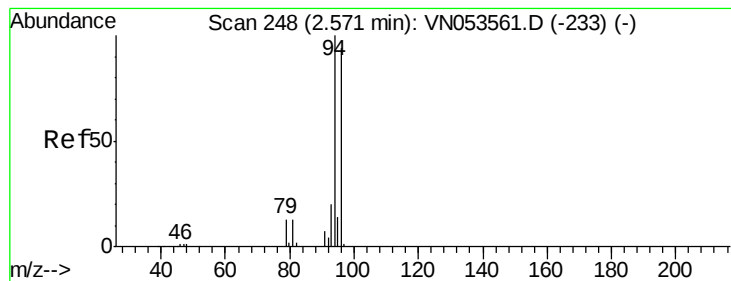
Tot Ion: 50 Resp: 169744
 Ion Ratio Lower Upper
 50 100
 52 32.6 26.6 40.0



#4
 Vinyl Chloride
 Concen: 20.465 ug/l
 RT: 2.19 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion: 62 Resp: 170715
 Ion Ratio Lower Upper
 62 100
 64 31.7 25.4 38.2





#5

Bromomethane

Concen: 20.413 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

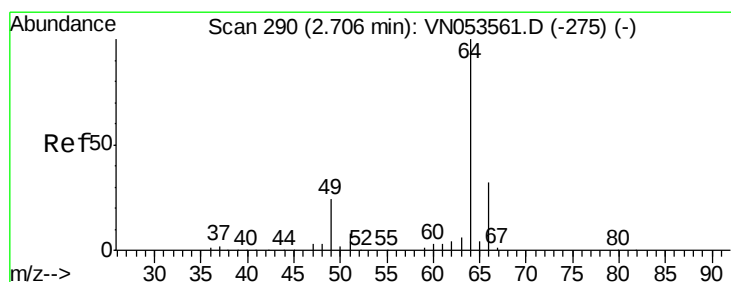
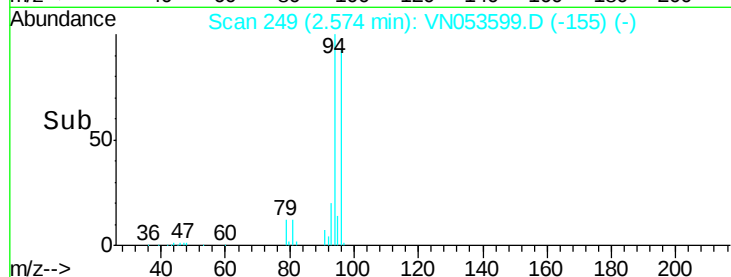
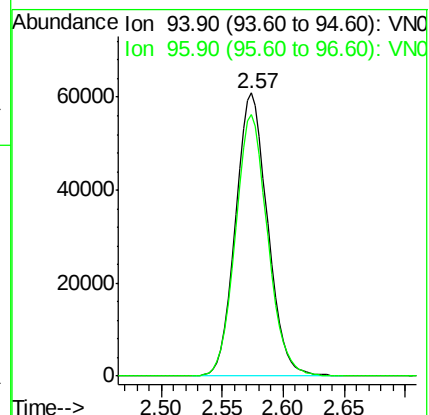
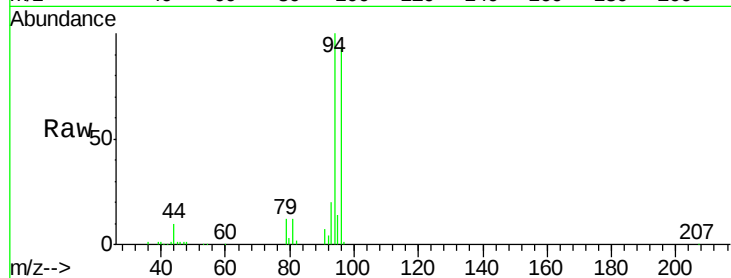
VN0204WBSD01

Tot Ion: 94 Resp: 111340

Ion Ratio Lower Upper

94 100

96 92.6 76.8 115.2



#6

Chloroethane

Concen: 20.065 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053599.D

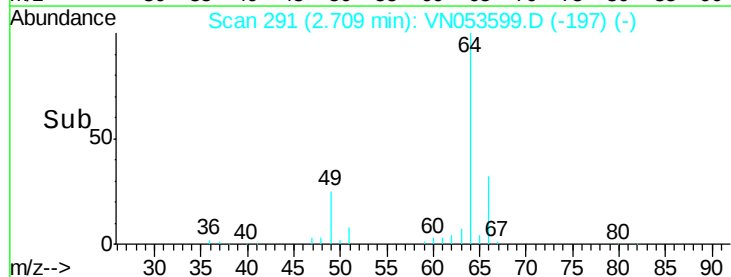
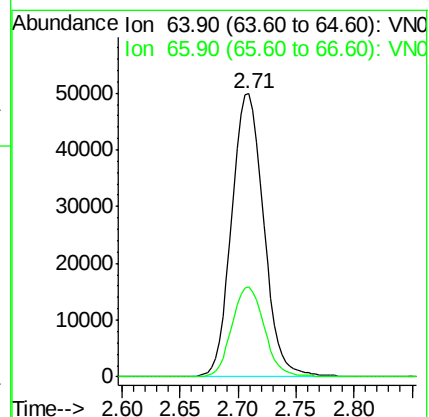
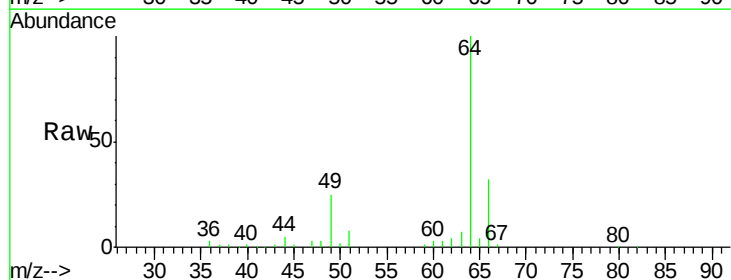
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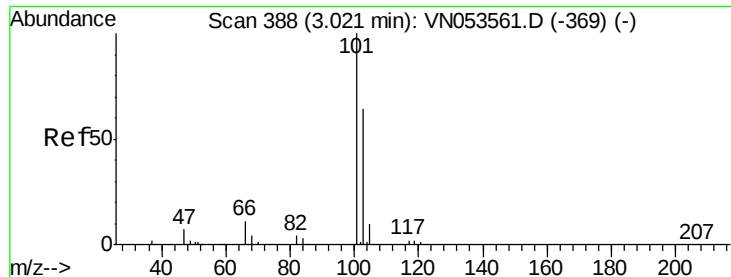
Tgt Ion: 64 Resp: 95649

Ion Ratio Lower Upper

64 100

66 31.7 25.1 37.7



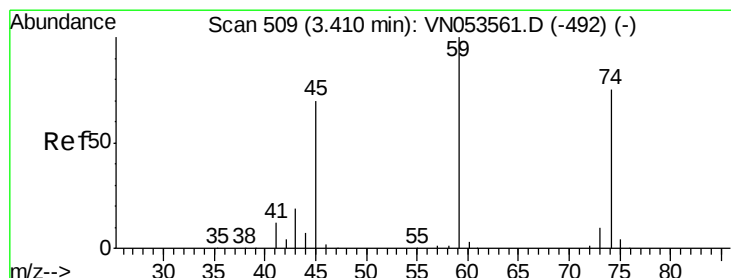
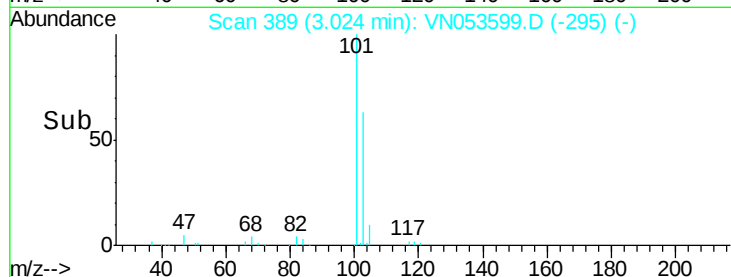
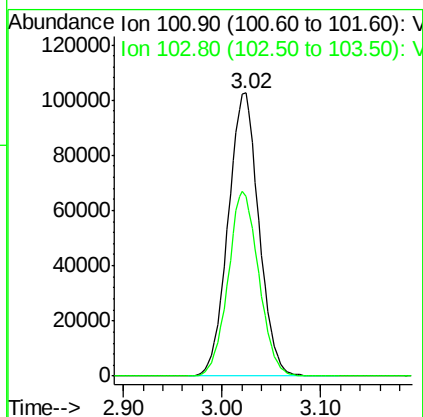
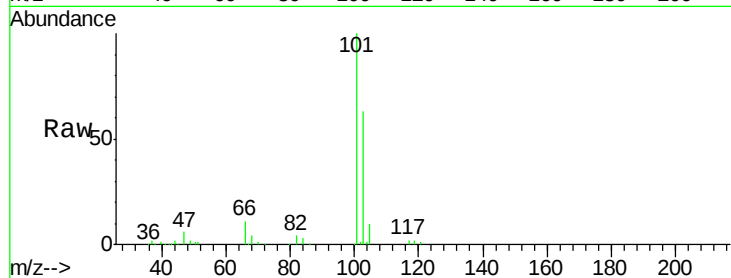


#7

Trichlorofluoromethane
 Concen: 19.714 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Instrument :
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 VN0204WBSD01

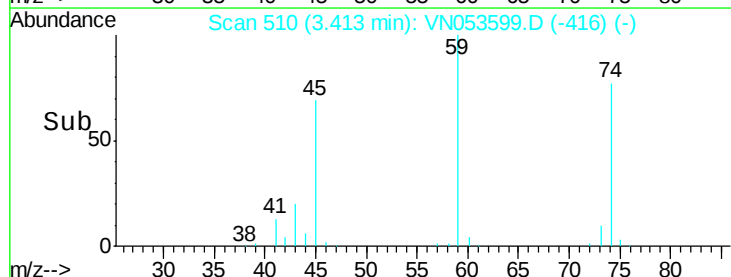
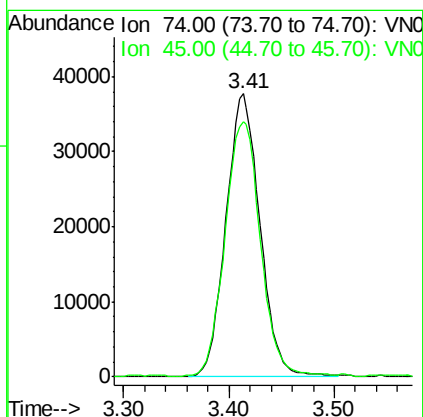
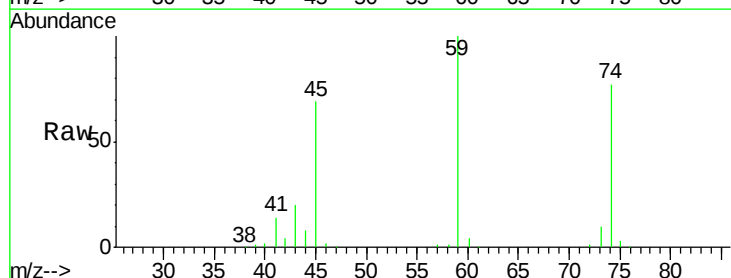
Tot Ion:101 Resp: 223012
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.6 77.4

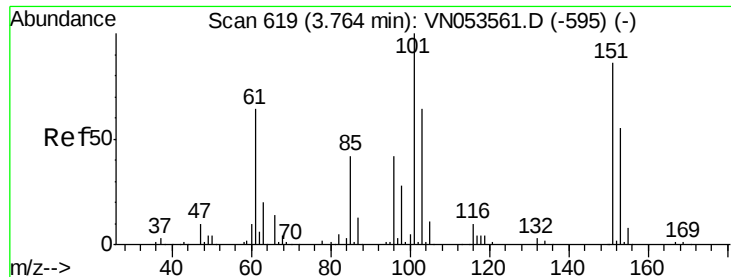


#8

Diethyl Ether
 Concen: 20.383 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion: 74 Resp: 84206
 Ion Ratio Lower Upper
 74 100
 45 94.7 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.135 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

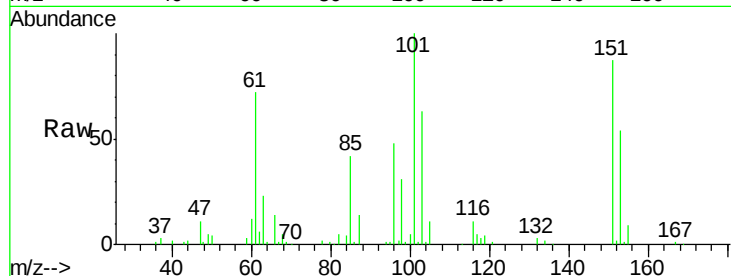
Tot Ion:101 Resp: 133873

Ion Ratio Lower Upper

101 100

85 41.2 32.8 49.2

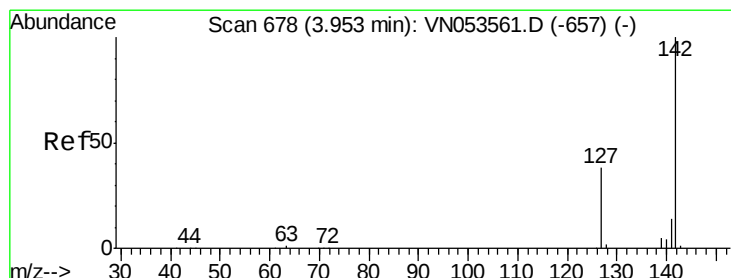
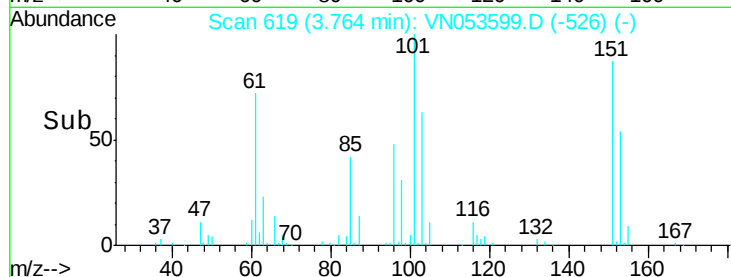
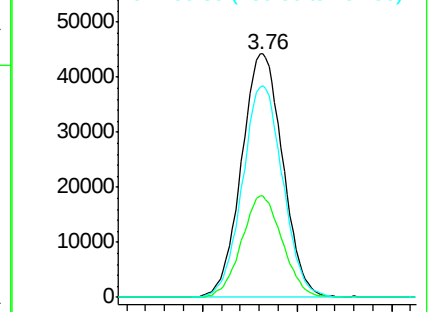
151 85.0 66.9 100.3



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: 19.430 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

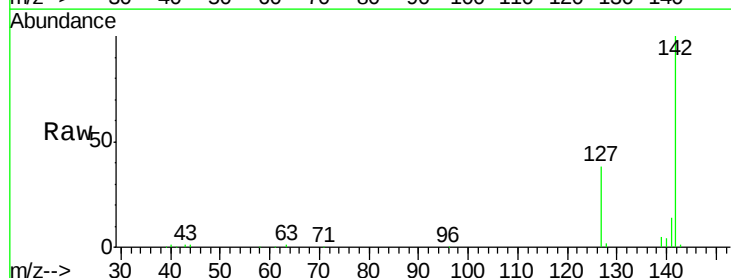
Tgt Ion:142 Resp: 213354

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.4

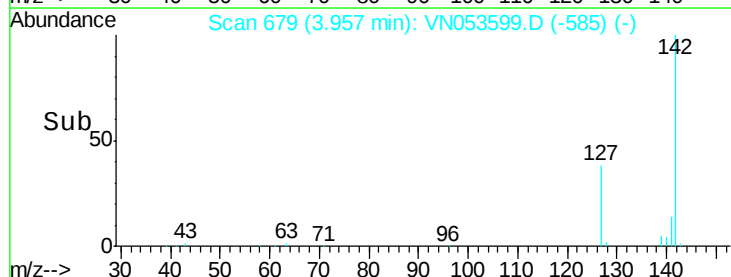
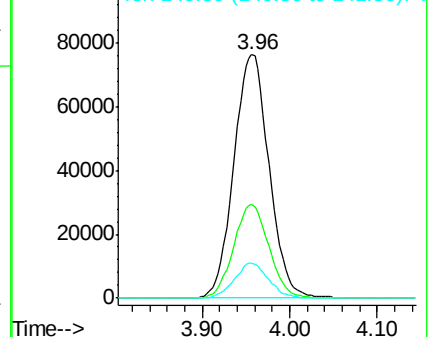
141 13.9 11.1 16.7

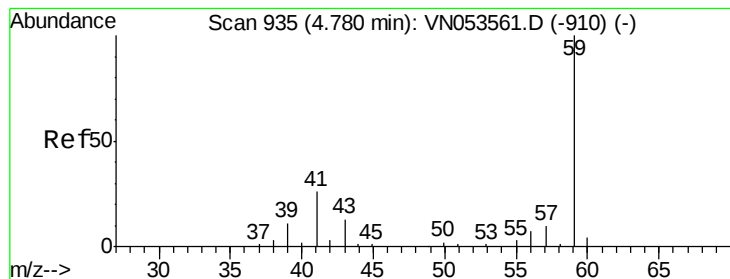


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



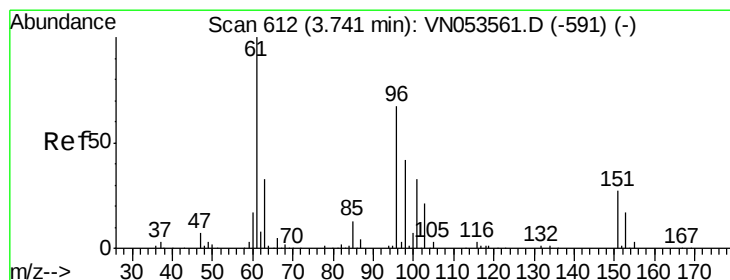
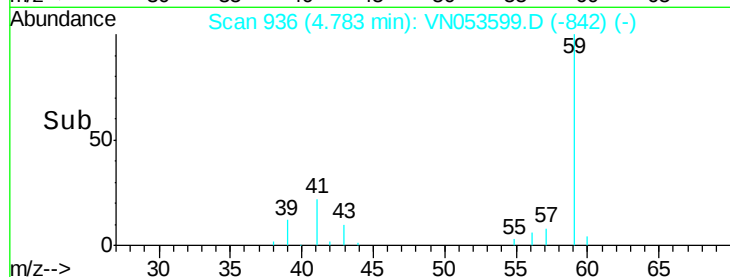
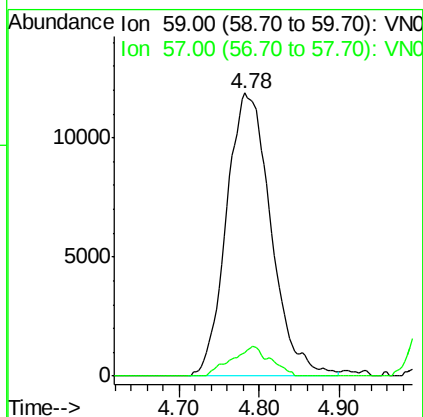
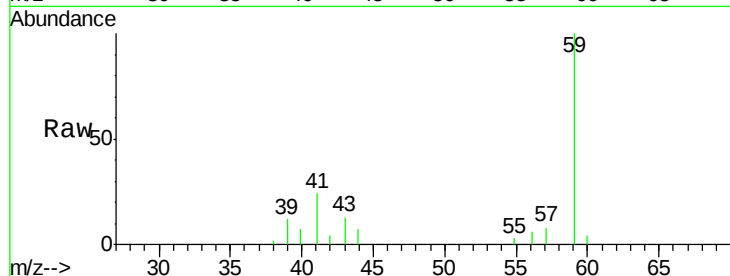


#11

Tert butyl alcohol
 Concen: 104.590 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0204WBSD01

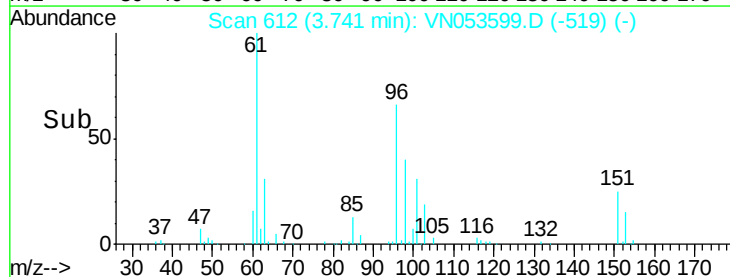
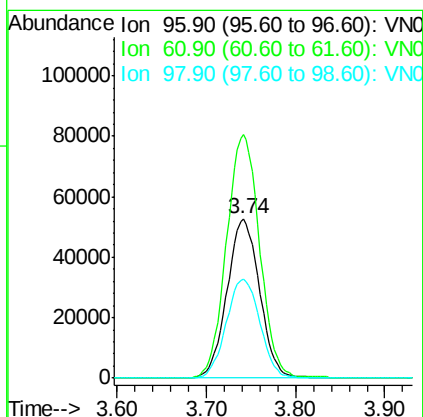
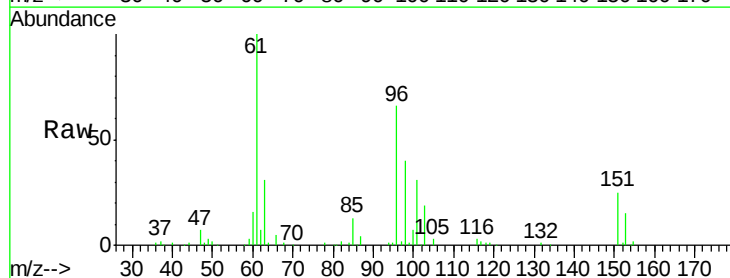
Tot Ion: 59 Resp: 44947
 Ion Ratio Lower Upper
 59 100
 57 7.3 8.2 12.4#

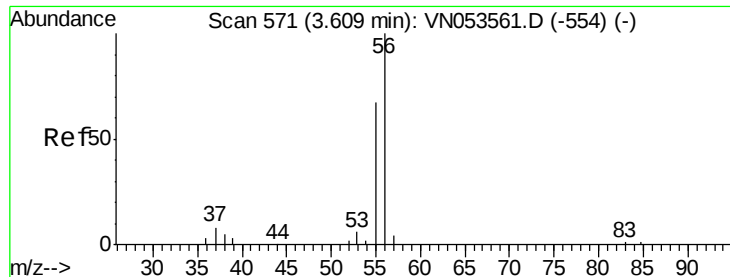


#12

1,1-Dichloroethene
 Concen: 19.948 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion: 96 Resp: 133705
 Ion Ratio Lower Upper
 96 100
 61 152.3 122.9 184.3
 98 61.7 49.4 74.0





#13

Acrolein

Concen: 106.399 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

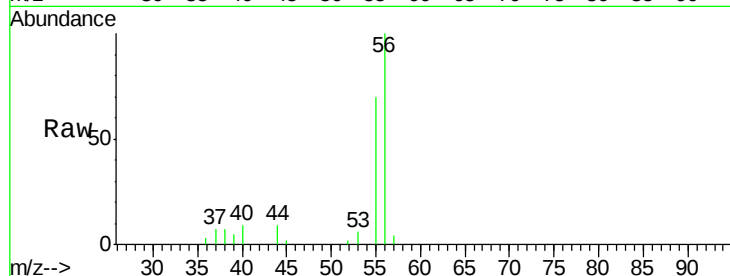
VN0204WBSD01

Tot Ion: 56 Resp: 24895

Ion Ratio Lower Upper

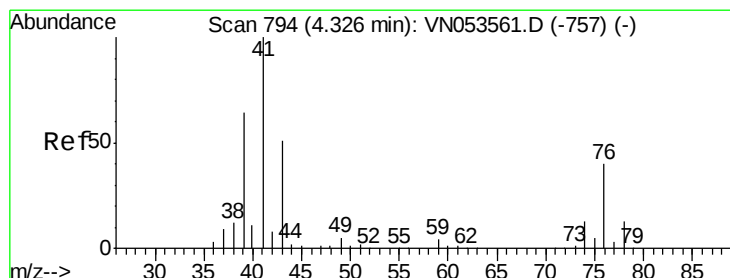
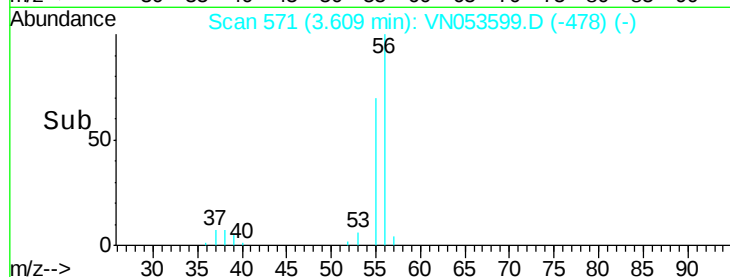
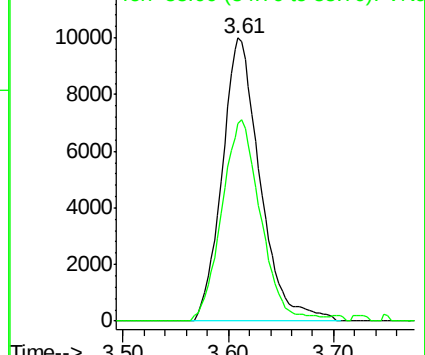
56 100

55 72.7 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.073 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

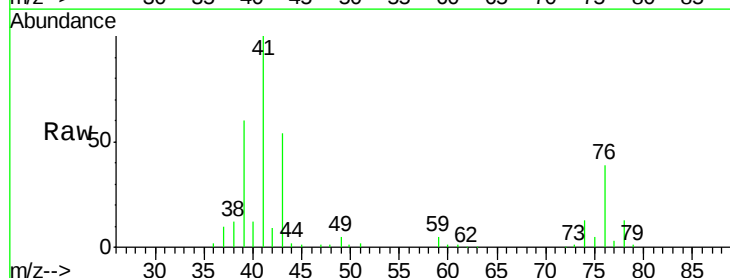
Tgt Ion: 41 Resp: 214220

Ion Ratio Lower Upper

41 100

39 60.4 48.9 73.3

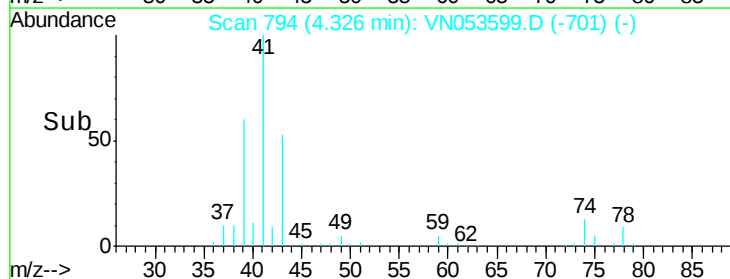
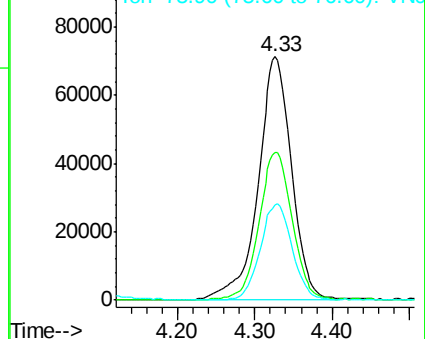
76 37.9 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.320 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

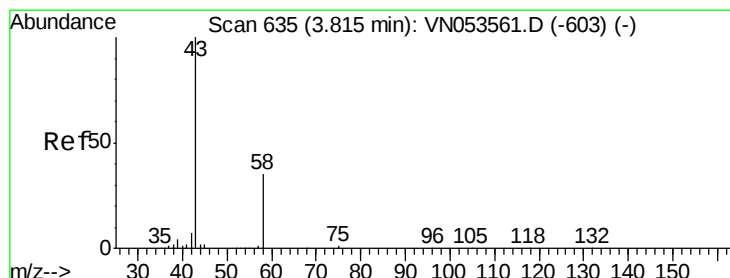
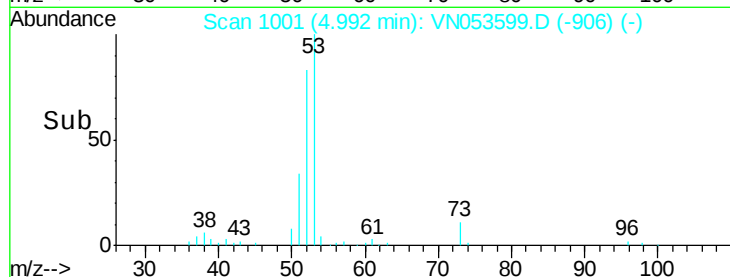
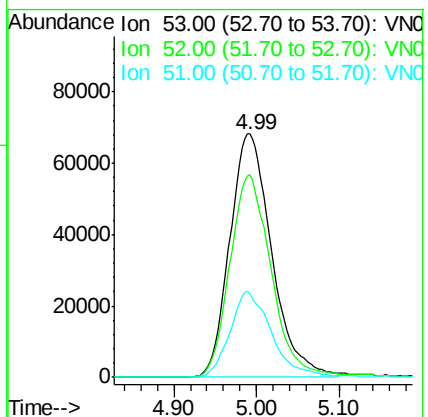
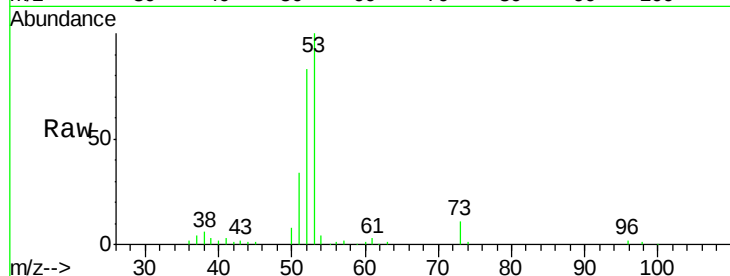
Tot Ion: 53 Resp: 239702

Ion Ratio Lower Upper

53 100

52 82.2 66.0 99.0

51 35.2 28.3 42.5



#16

Acetone

Concen: 86.779 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053599.D

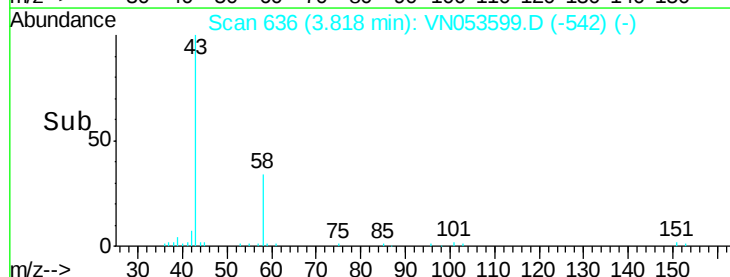
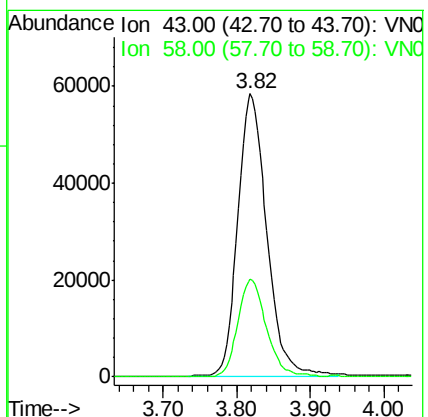
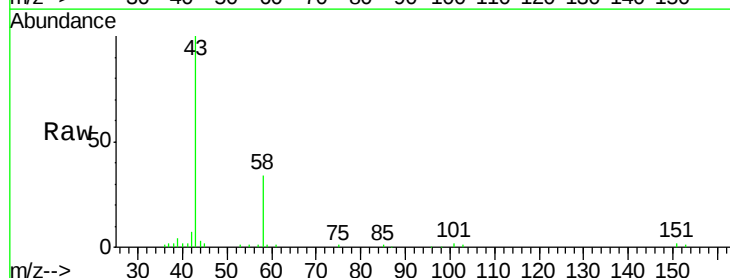
Acq: 4 Feb 2019 16:23

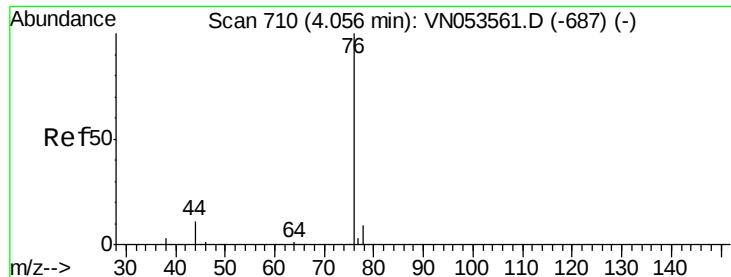
Tgt Ion: 43 Resp: 161631

Ion Ratio Lower Upper

43 100

58 34.4 27.1 40.7





#17

Carbon Disulfide

Concen: 18.075 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

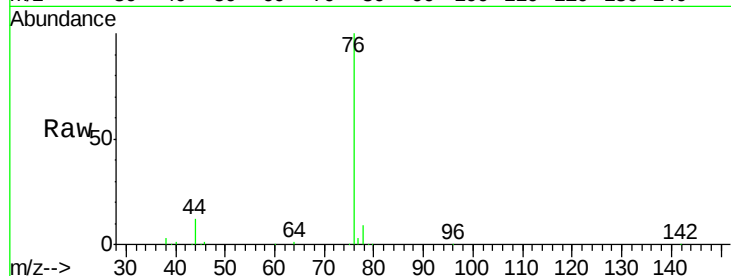
VN0204WBSD01

Tot Ion: 76 Resp: 377241

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.06

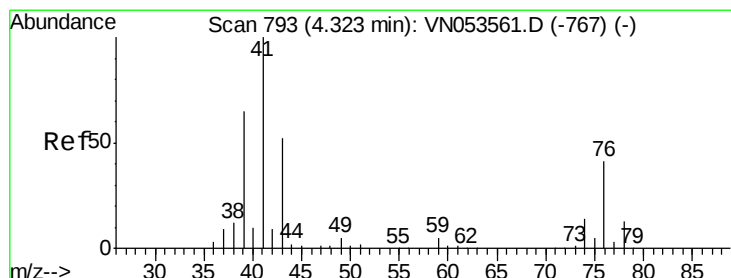
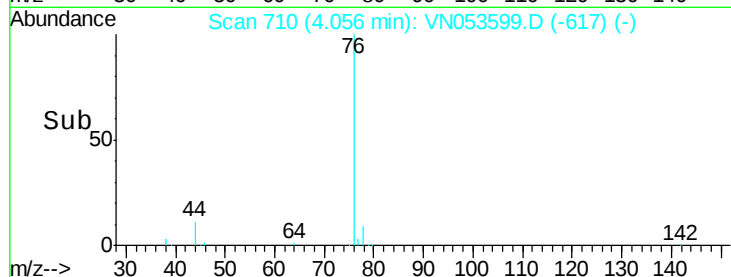
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 19.729 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053599.D

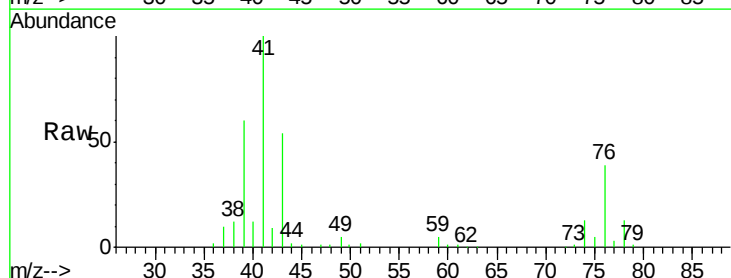
Acq: 4 Feb 2019 16:23

Tgt Ion: 43 Resp: 108825

Ion Ratio Lower Upper

43 100

74 24.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

40000

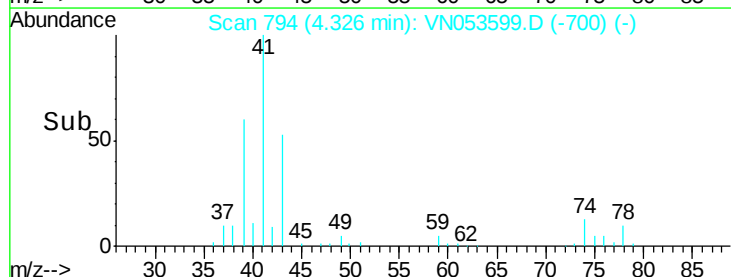
30000

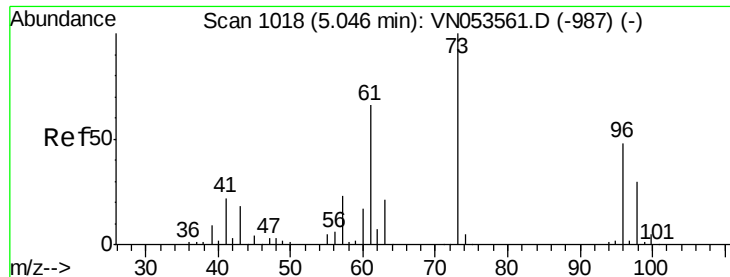
20000

10000

0

Time--> 4.20 4.30 4.40

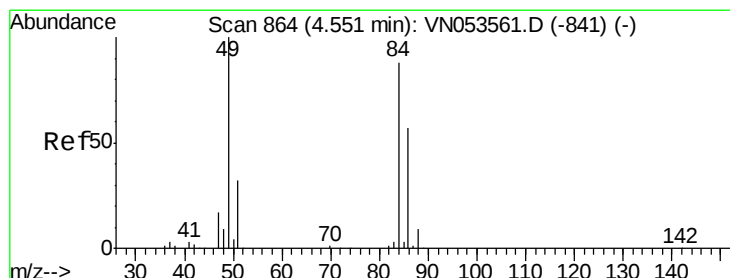
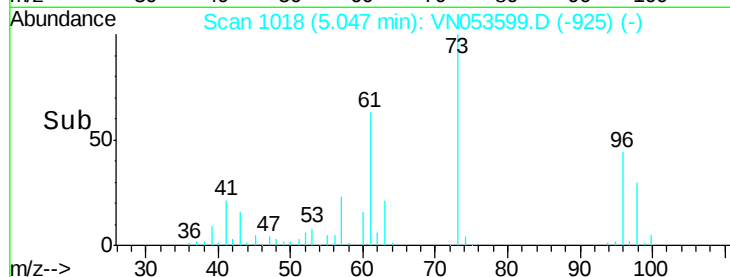
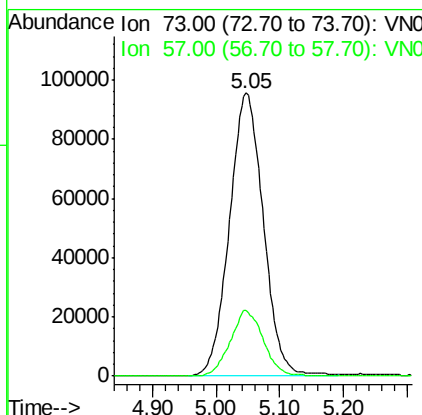
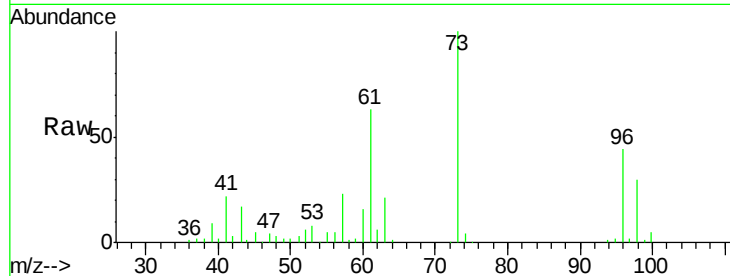




#19
Methvl tert-butvl Ether
Concen: 20.878 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

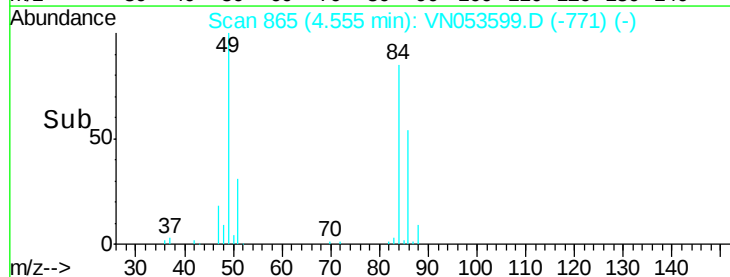
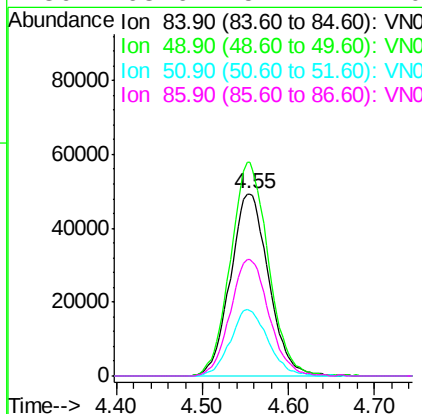
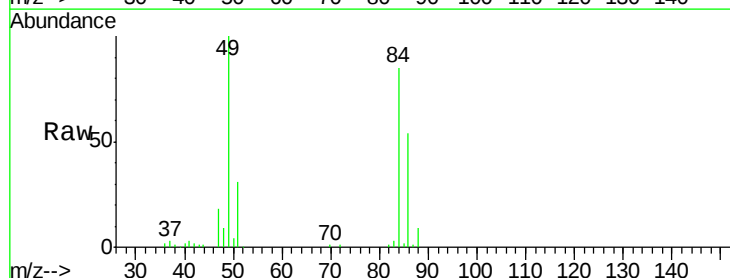
Instrument :
MSVOA_N
ClientSampled :
VN0204WBSD01

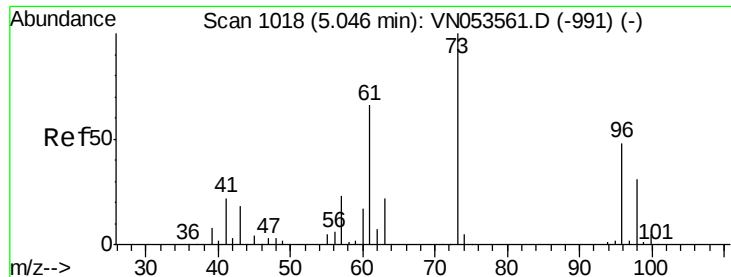
Tot Ion: 73 Resp: 354757
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5



#20
Methylene Chloride
Concen: 19.506 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion: 84 Resp: 152422
Ion Ratio Lower Upper
84 100
49 117.2 94.3 141.5
51 36.0 29.4 44.2
86 63.6 51.4 77.0

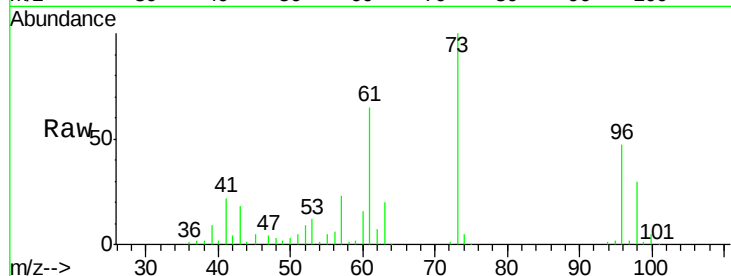




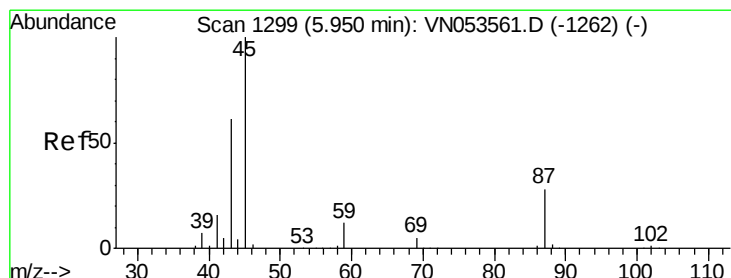
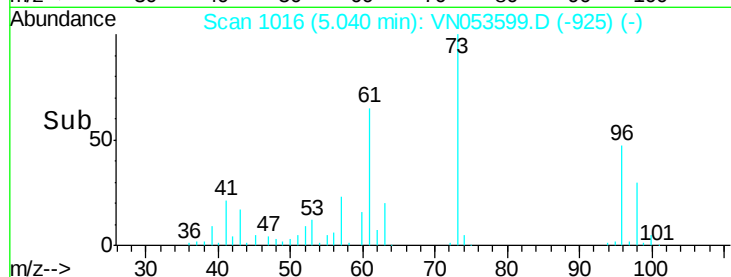
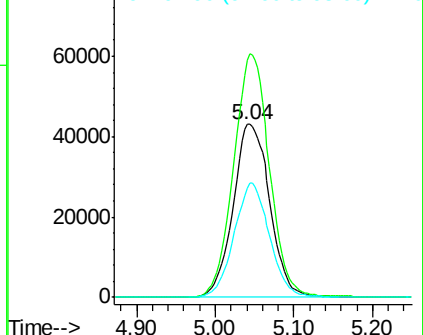
#21
trans-1,2-Dichloroethene
Concen: 19.436 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion: 96 Resp: 140550
Ion Ratio Lower Upper
96 100
61 137.3 110.1 165.1
98 63.4 50.0 75.0

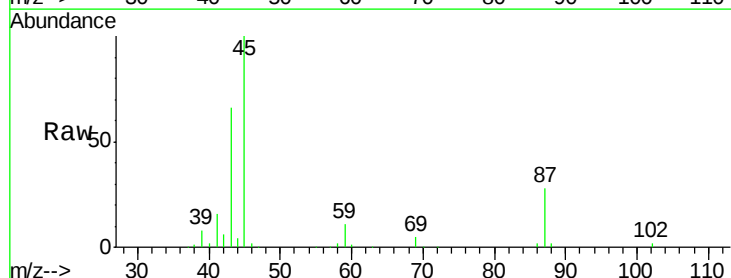


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

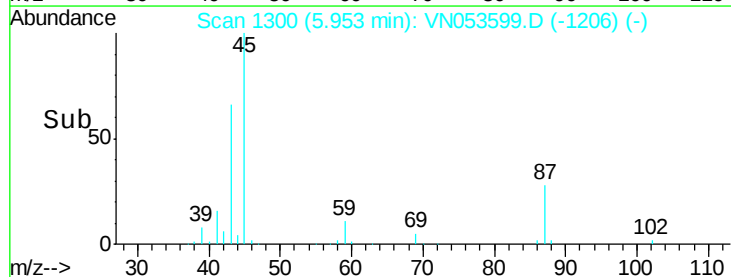
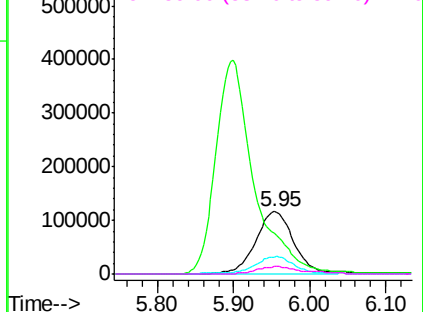


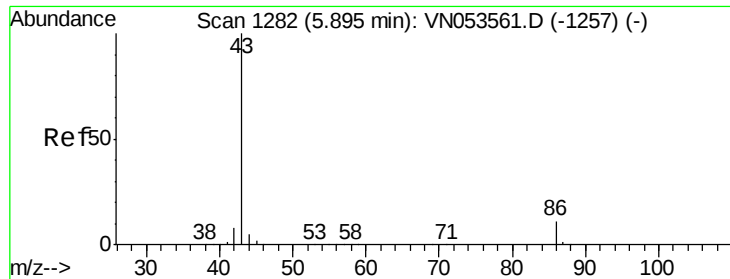
#22
Diisopropyl ether
Concen: 20.498 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion: 45 Resp: 405345
Ion Ratio Lower Upper
45 100
43 62.7 44.2 66.4
87 26.9 22.7 34.1
59 11.1 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: 102.508 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleID :

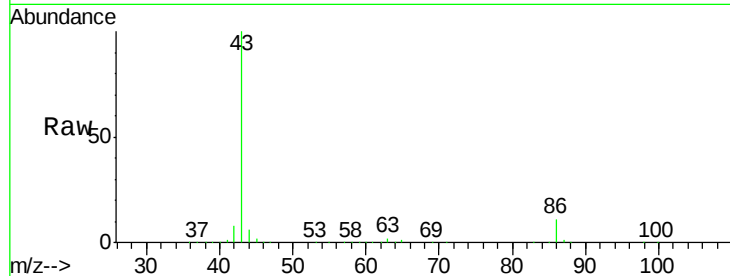
VN0204WBSD01

Tot Ion: 43 Resp: 1402312

Ion Ratio Lower Upper

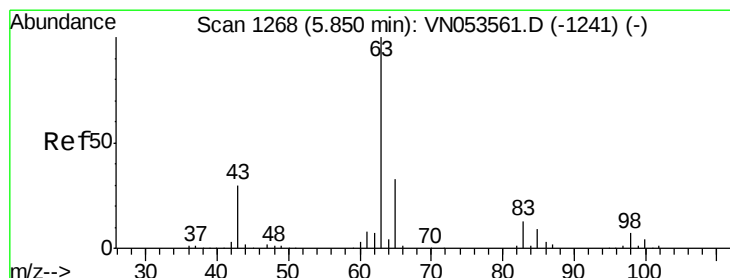
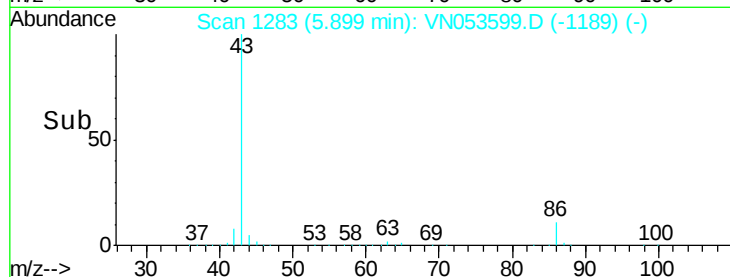
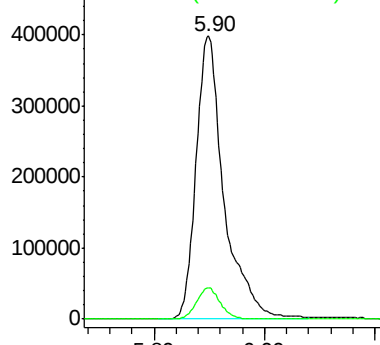
43 100

86 11.1 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: 20.250 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

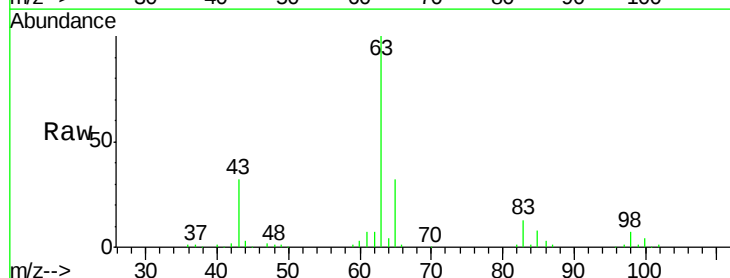
Tgt Ion: 63 Resp: 267091

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

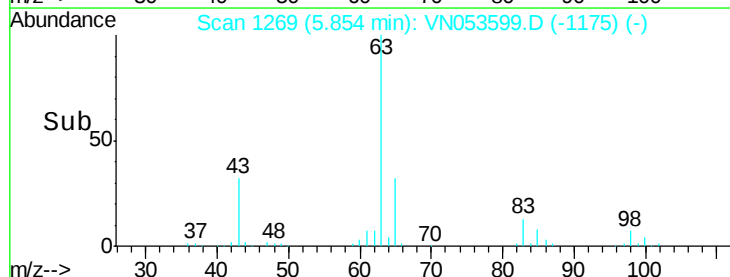
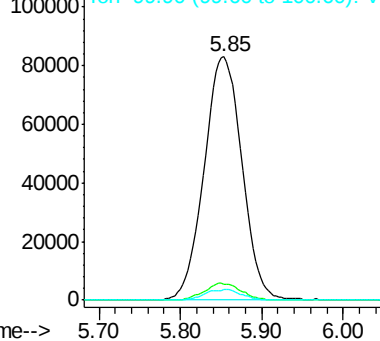
100 4.2 2.1 6.5



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: 94.409 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

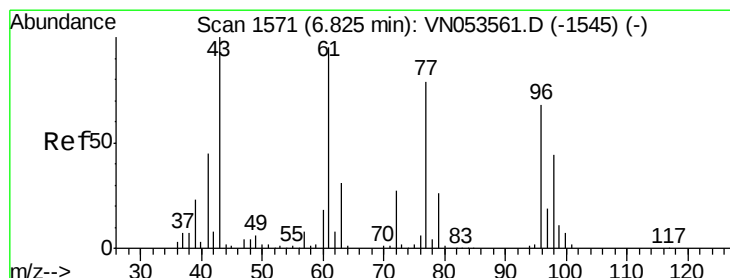
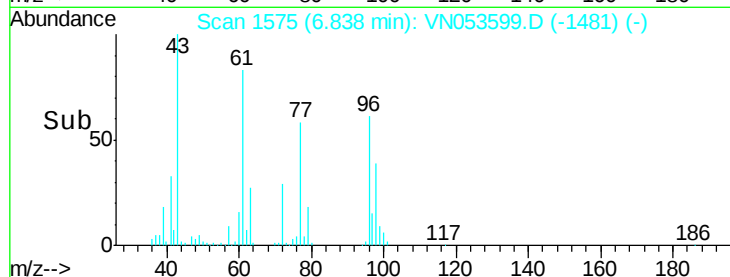
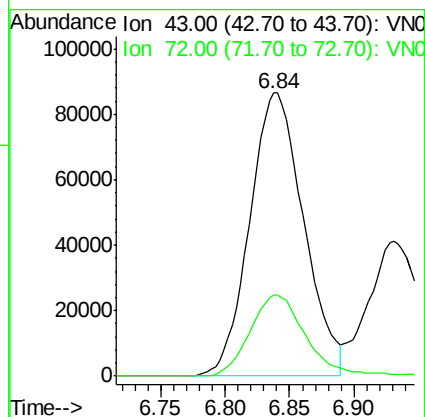
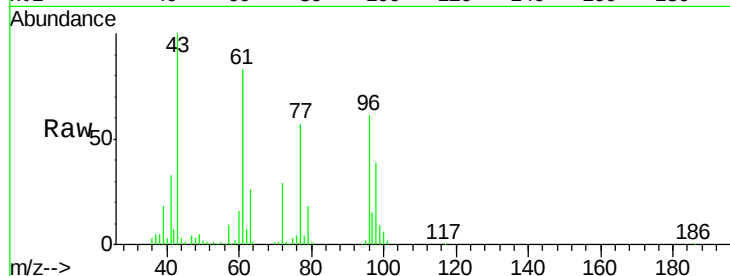
VN0204WBSD01

Tot Ion: 43 Resp: 250791

Ion Ratio Lower Upper

43 100

72 28.9 22.0 33.0



#26

2,2-Dichloropropane

Concen: 17.752 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053599.D

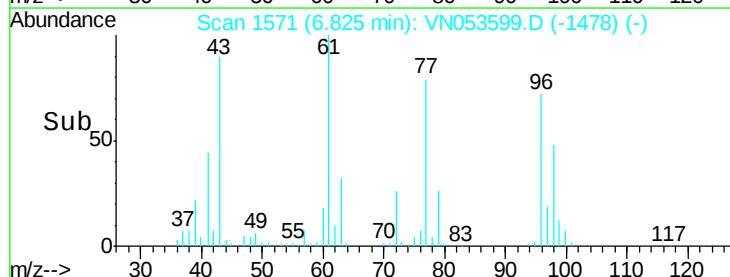
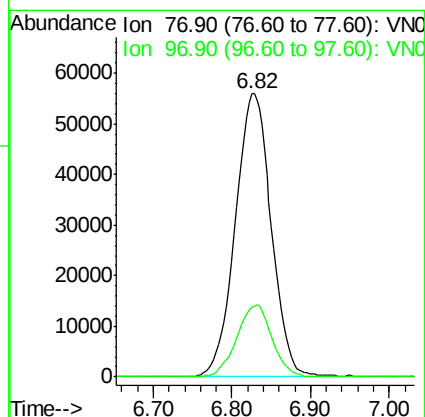
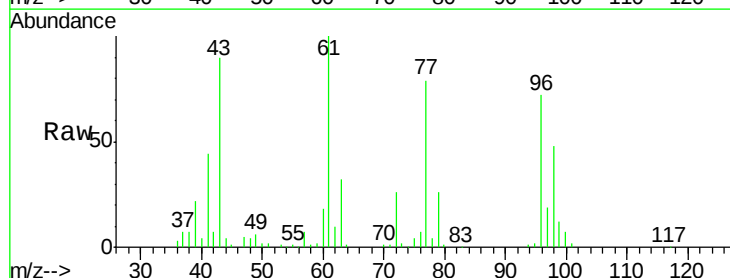
Acq: 4 Feb 2019 16:23

Tgt Ion: 77 Resp: 178738

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.985 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

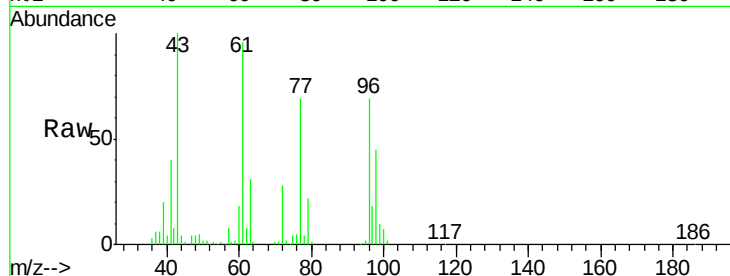
Tot Ion: 96 Resp: 160699

Ion Ratio Lower Upper

96 100

61 138.7 0.0 283.8

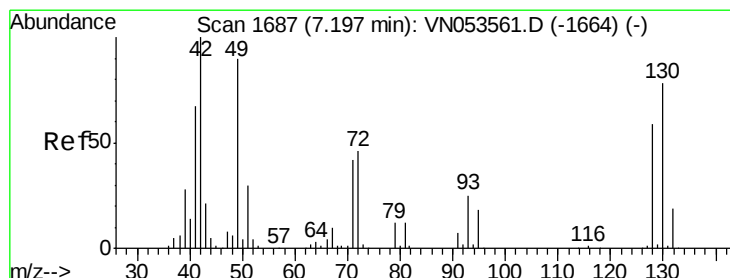
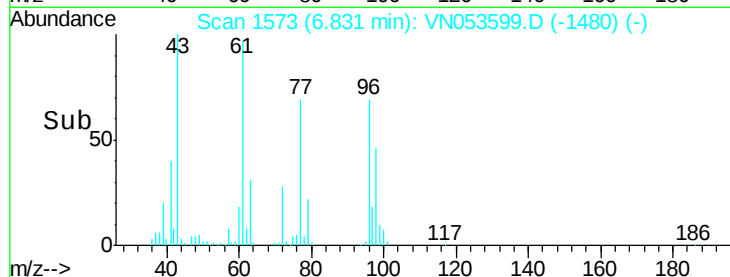
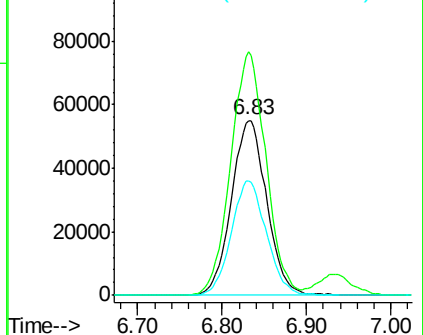
98 65.1 0.0 129.2



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: 20.993 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

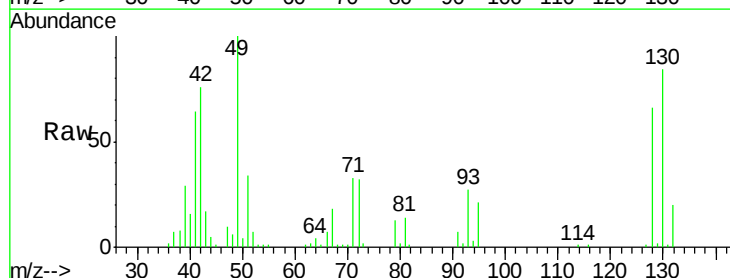
Tgt Ion: 49 Resp: 120157

Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.0

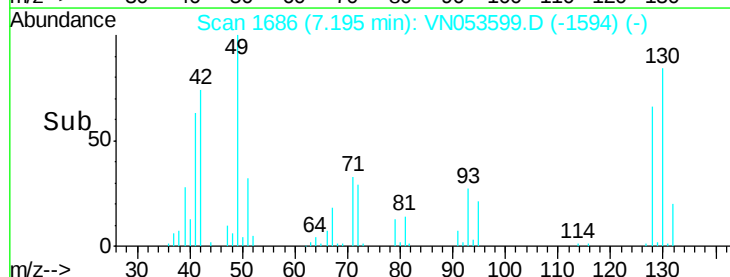
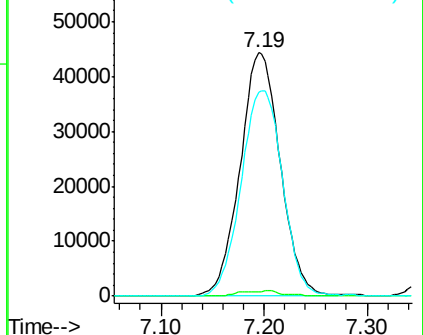
130 87.3 66.3 99.5

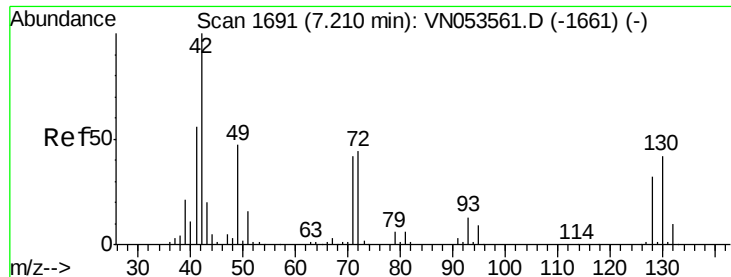


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

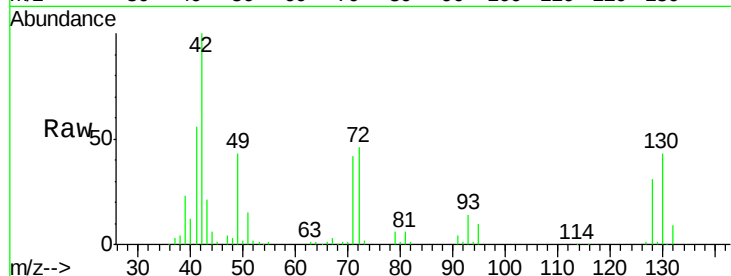




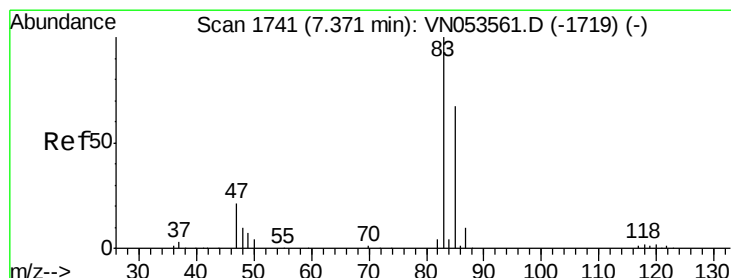
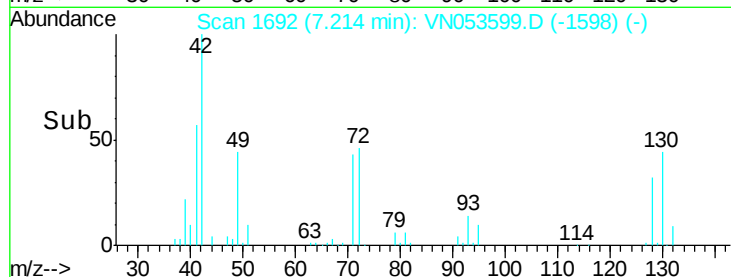
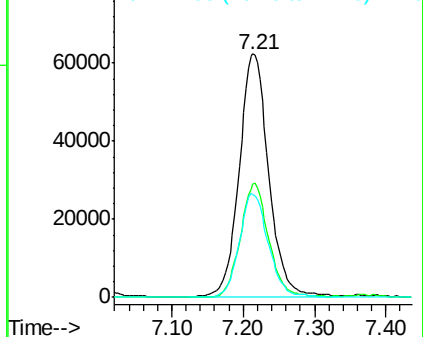
#29
Tetrahydrofuran
Concen: 105.638 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion: 42 Resp: 180195
Ion Ratio Lower Upper
42 100
72 44.8 35.2 52.8
71 41.7 33.0 49.4

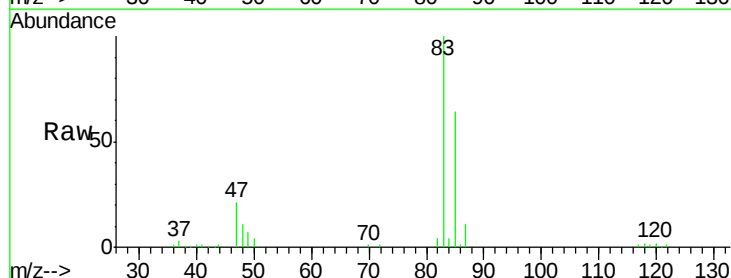


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

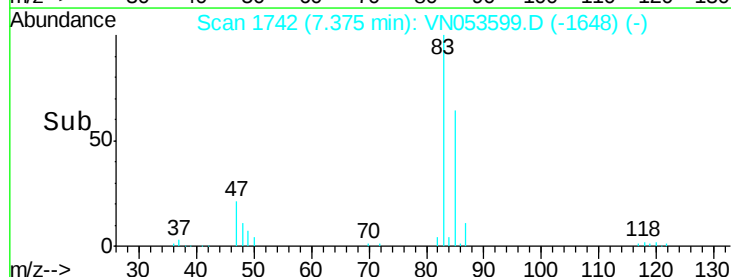
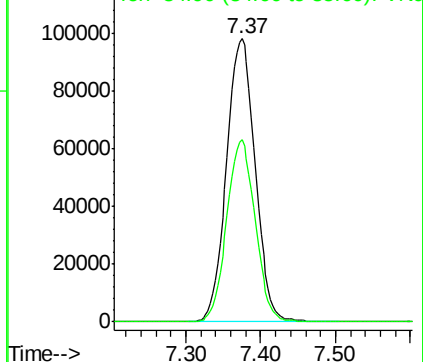


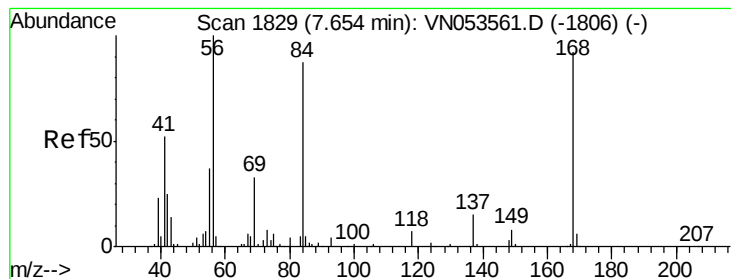
#30
Chloroform
Concen: 19.974 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion: 83 Resp: 261163
Ion Ratio Lower Upper
83 100
85 64.2 52.2 78.2



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





#31

Cvclohexane

Concen: 19.282 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

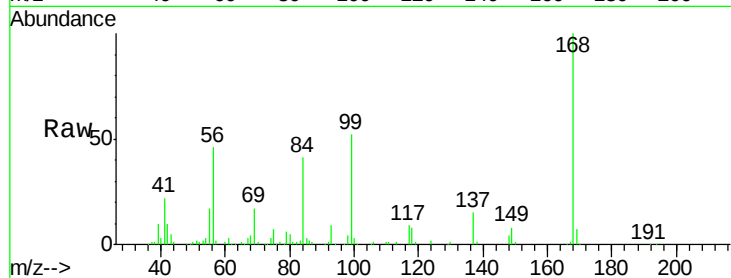
Tot Ion: 56 Resp: 238067

Ion Ratio Lower Upper

56 100

69 36.5 26.4 39.6

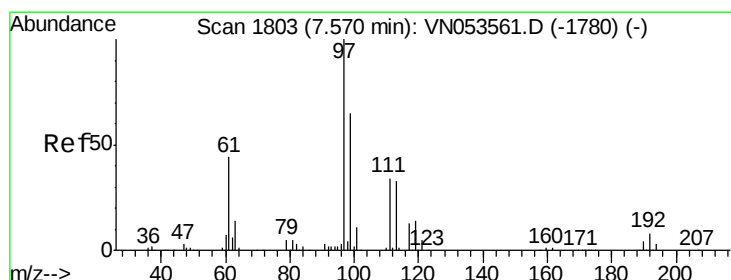
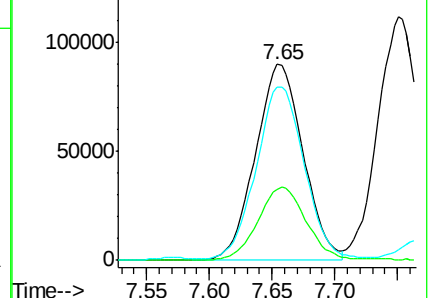
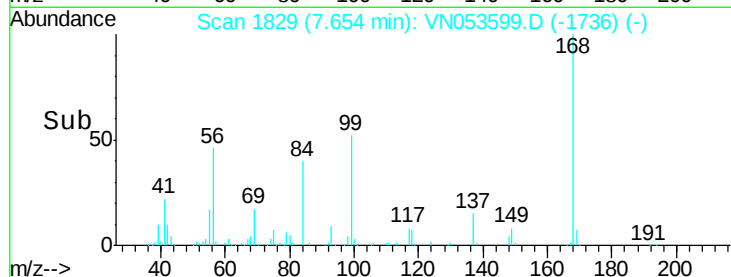
84 87.3 67.9 101.9



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: 19.500 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

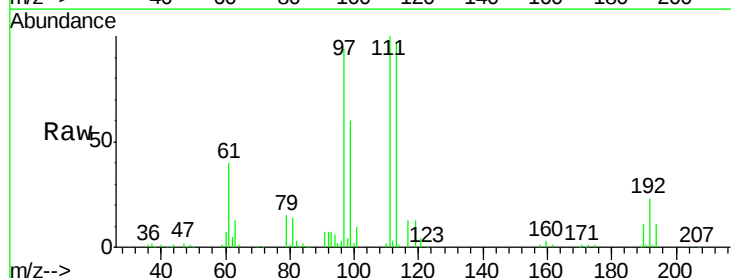
Tgt Ion: 97 Resp: 212179

Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

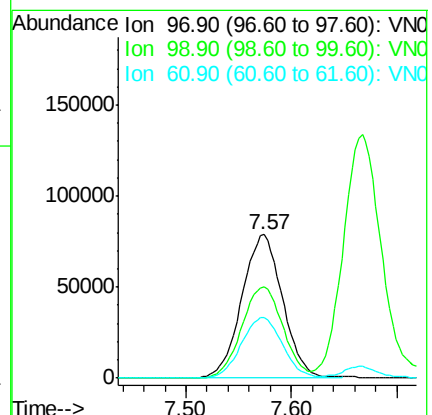
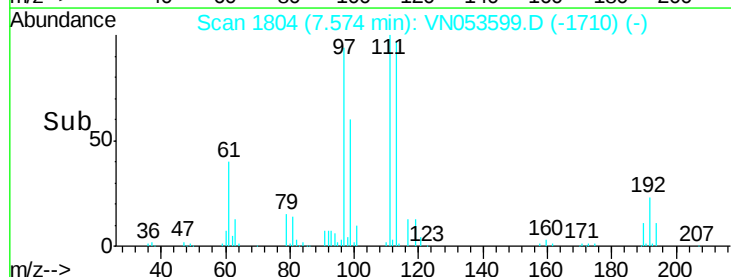
61 42.6 34.4 51.6

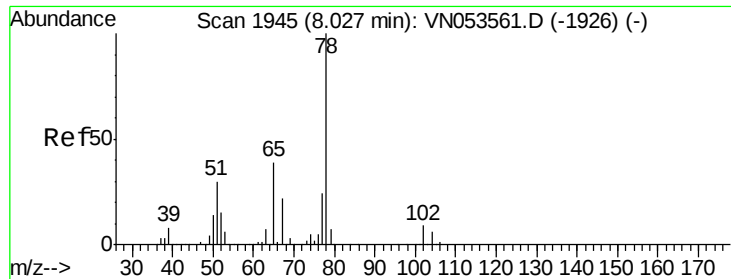


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 19.500 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

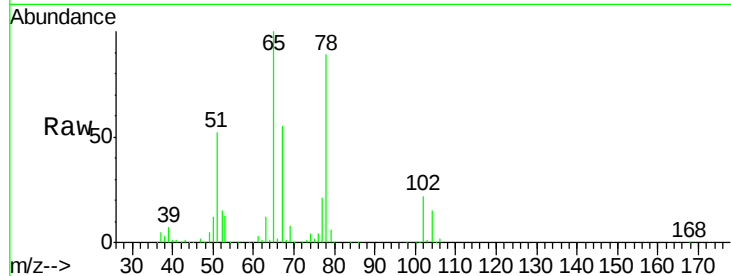
VN0204WBSD01

Tot Ion: 65 Resp: 386874

Ion Ratio Lower Upper

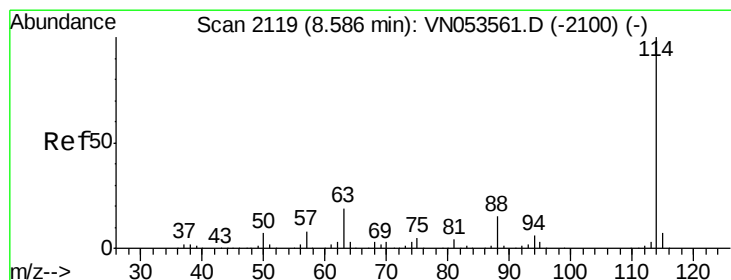
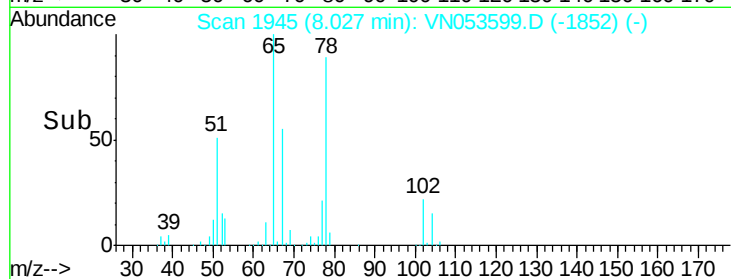
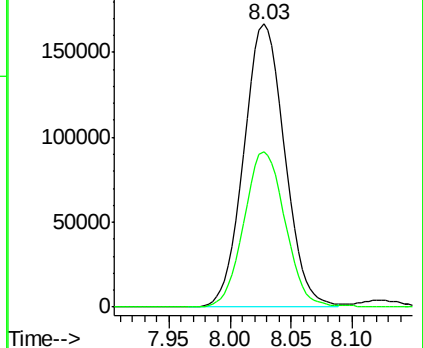
65 100

67 55.5 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

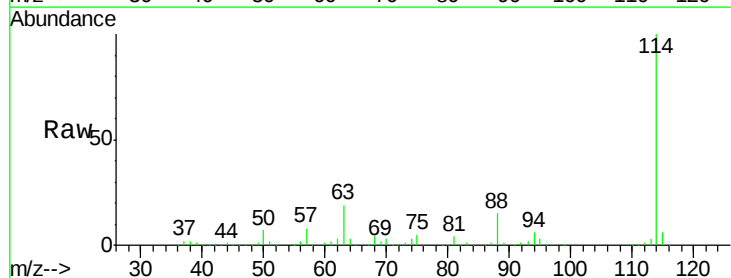
Tgt Ion: 114 Resp: 1153010

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

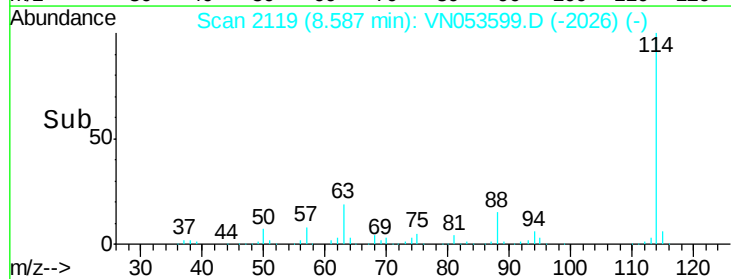
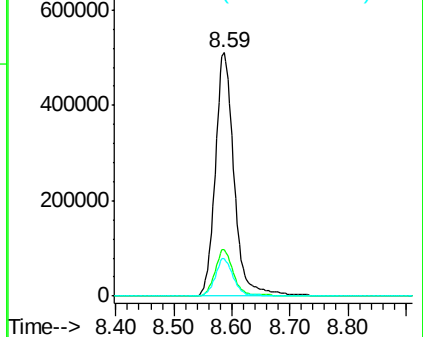
88 15.3 0.0 30.4

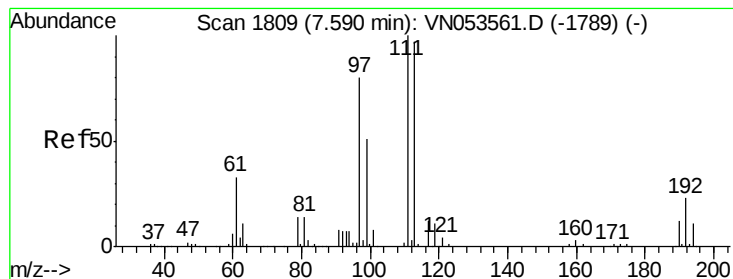


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

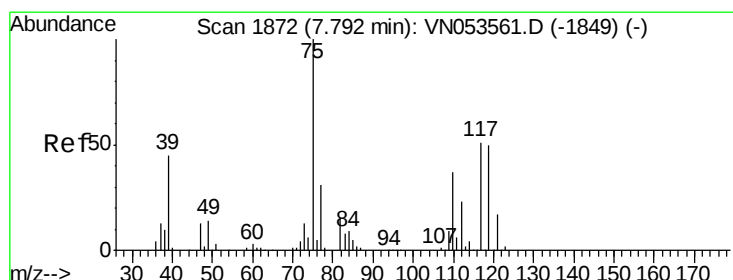
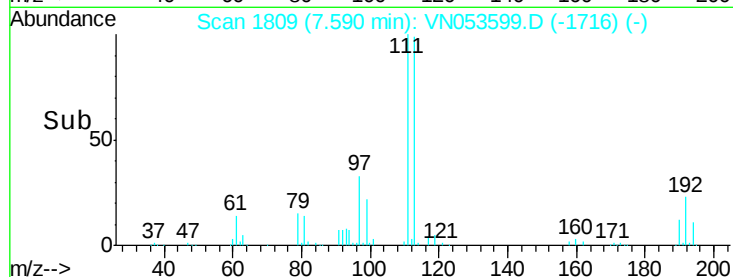
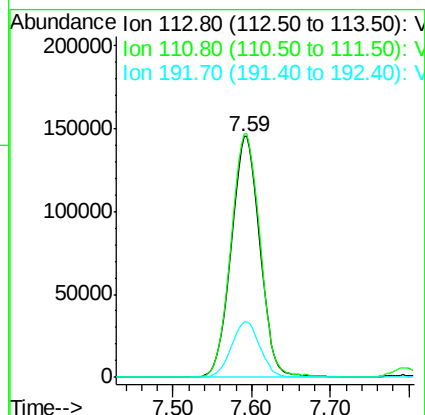
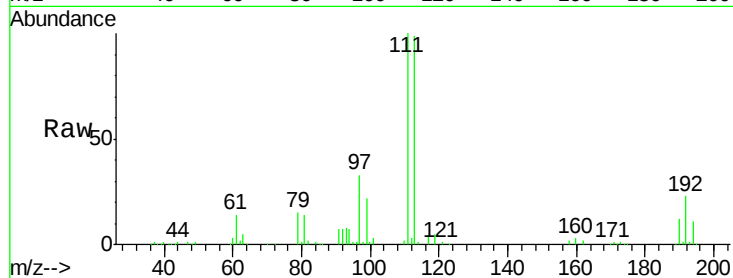
Tot Ion:113 Resp: 366390

Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

192 23.1 18.2 27.2



#36

1,1-Dichloropropene

Concen: 19.024 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

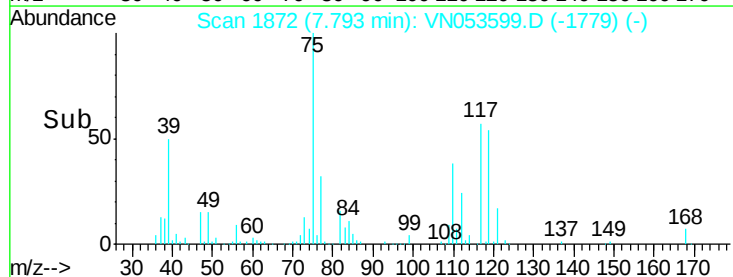
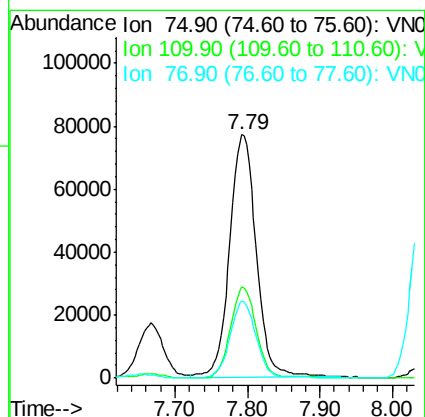
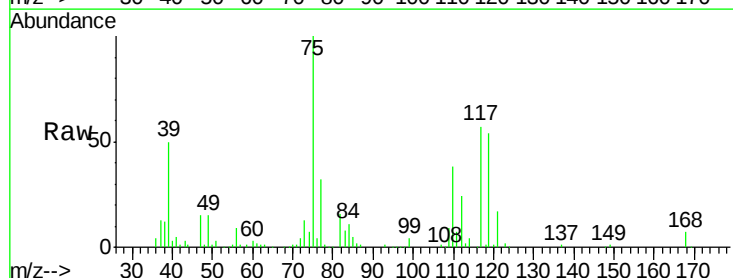
Tgt Ion: 75 Resp: 197730

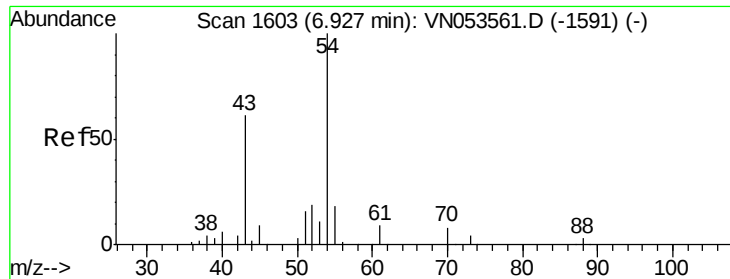
Ion Ratio Lower Upper

75 100

110 36.4 18.1 54.3

77 31.2 25.1 37.7

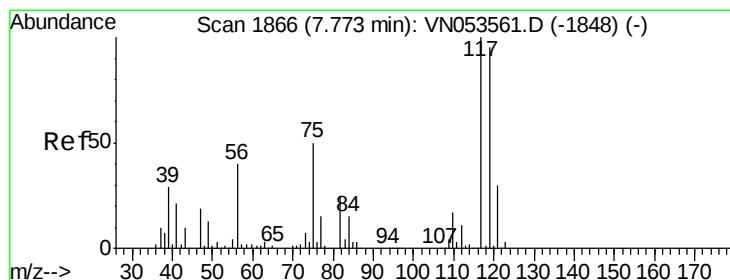
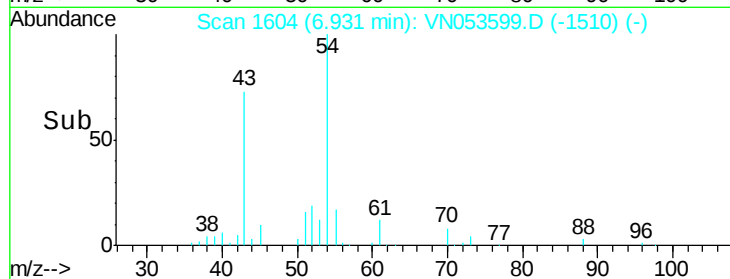
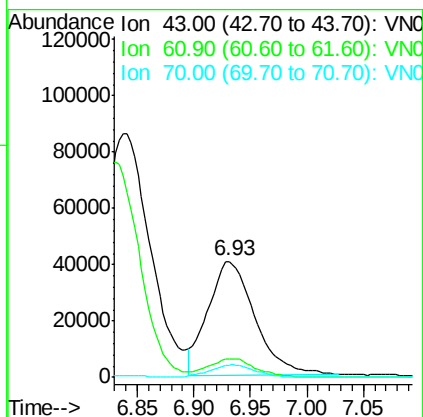
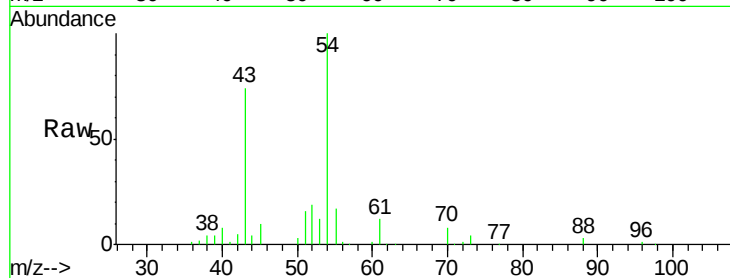




#37
Ethyl Acetate
Concen: 20.141 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

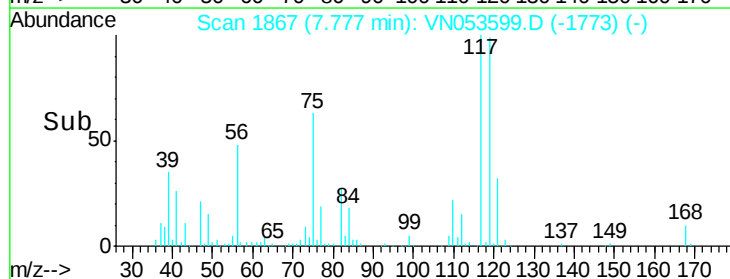
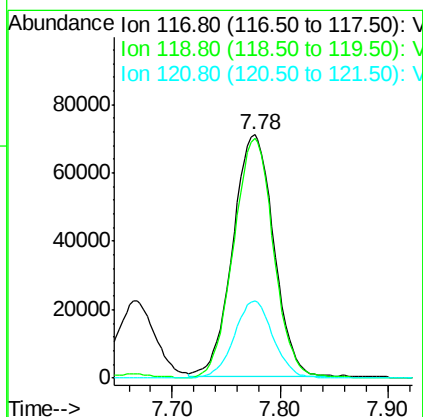
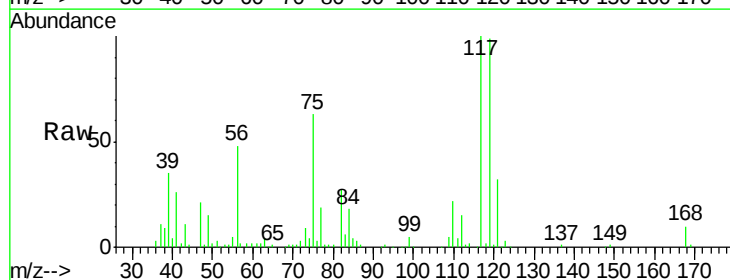
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion: 43 Resp: 116915
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 10.6 8.6 12.8



#38
Carbon Tetrachloride
Concen: 17.787 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion: 117 Resp: 186242
Ion Ratio Lower Upper
117 100
119 99.5 77.2 115.8
121 32.1 24.6 37.0

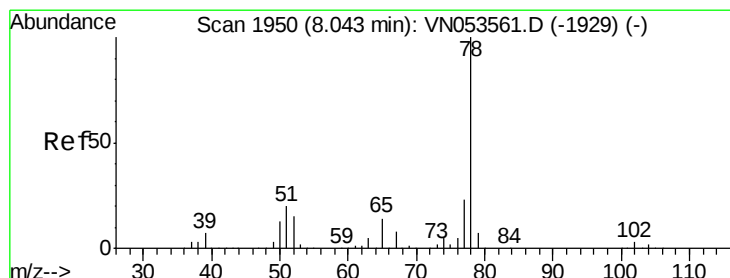
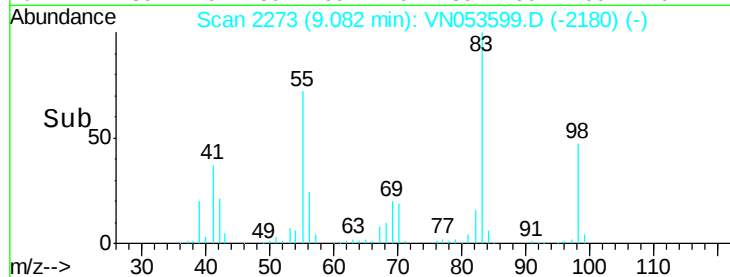
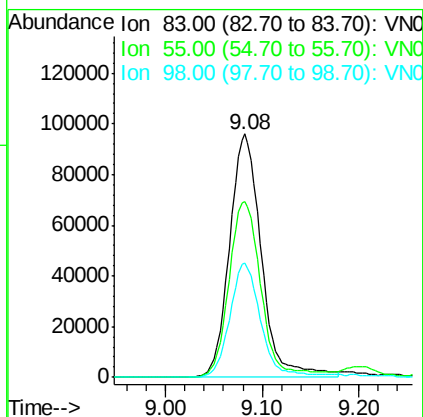
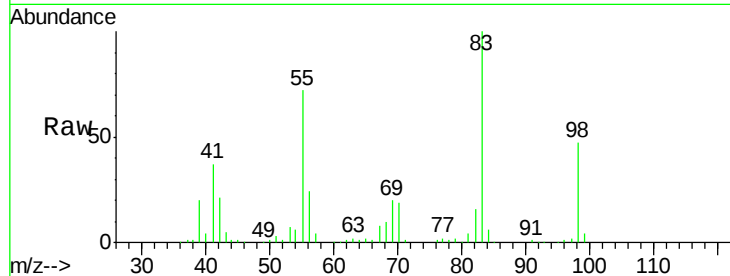




#39
Methvlcvclohexane
Concen: 17.843 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

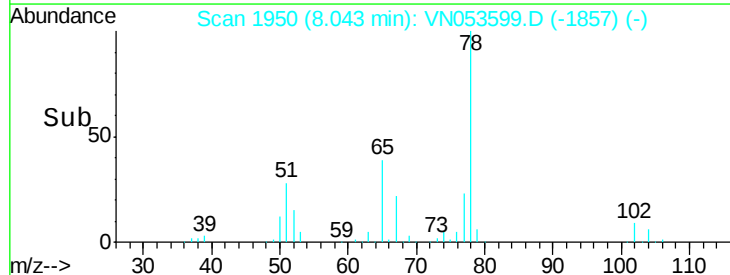
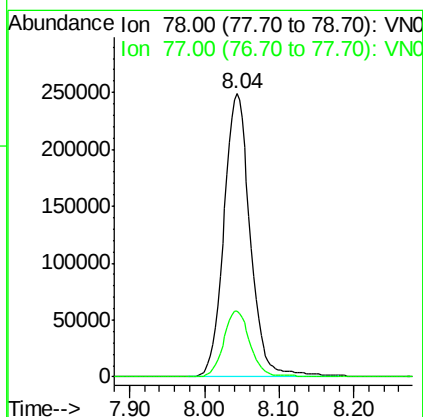
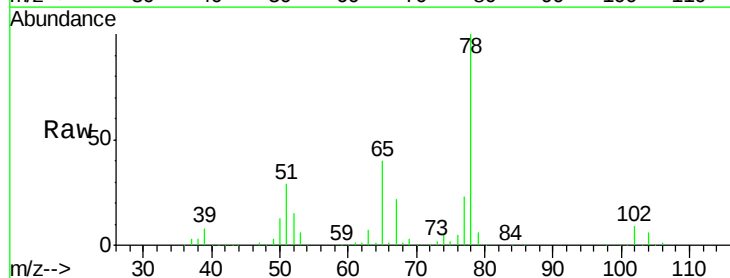
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

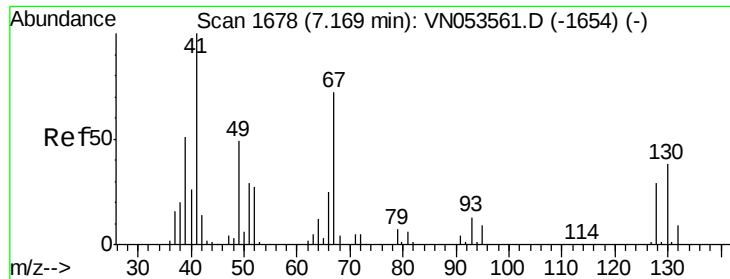
Tot Ion: 83 Resp: 220027
Ion Ratio Lower Upper
83 100
55 72.0 60.1 90.1
98 46.9 36.6 55.0



#40
Benzene
Concen: 18.944 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion: 78 Resp: 607181
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2

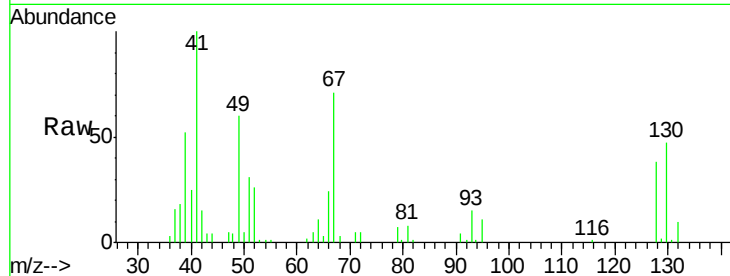




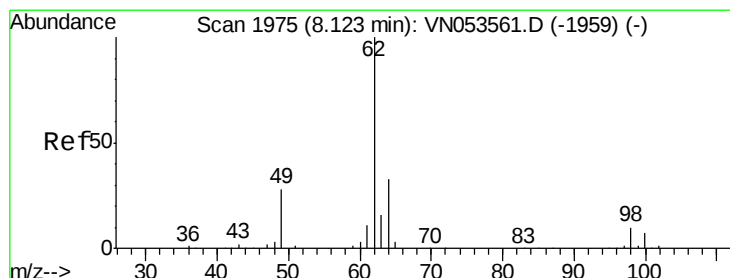
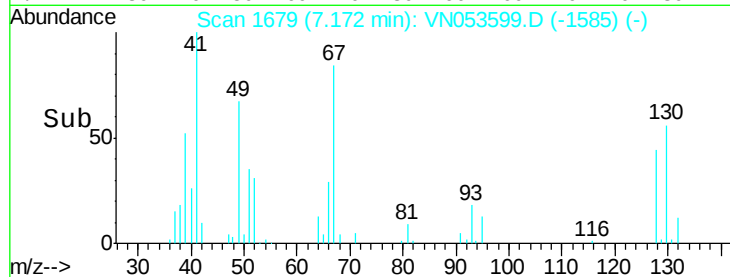
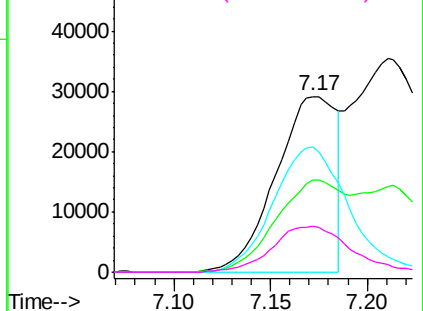
#41
Methacrylonitrile
Concen: 19.518 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleID :
VN0204WBSD01

Tot Ion:	41	Resp:	63324
Ion	Ratio	Lower	Upper
41	100		
39	60.1	46.8	70.2
67	90.1	63.0	94.6
52	34.5	23.8	35.8

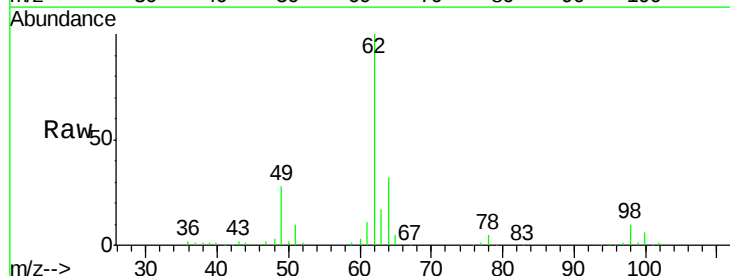


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

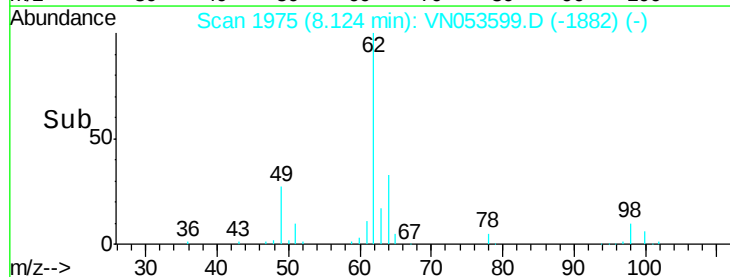
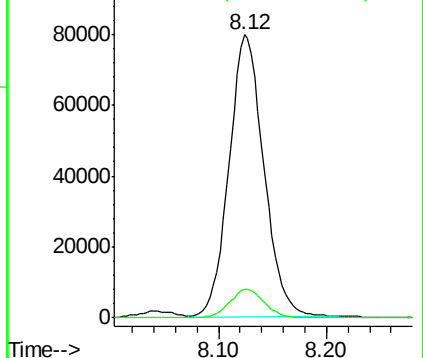


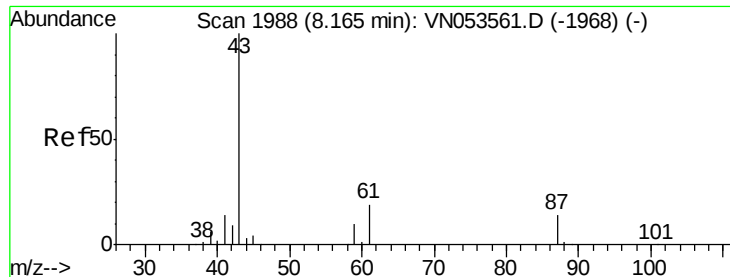
#42
1,2-Dichloroethane
Concen: 18.788 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion:	62	Resp:	178797
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.6



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





#43

Isopropyl Acetate

Concen: 18.927 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

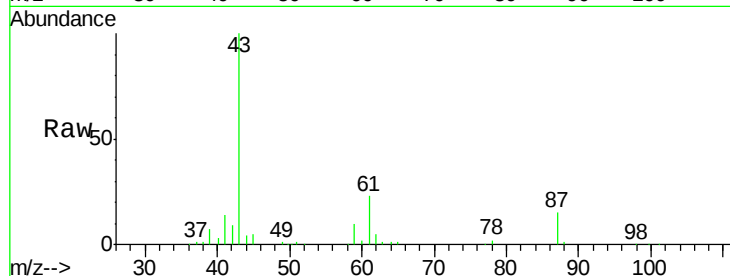
Tot Ion: 43 Resp: 212176

Ion Ratio Lower Upper

43 100

61 18.3 23.9 35.9#

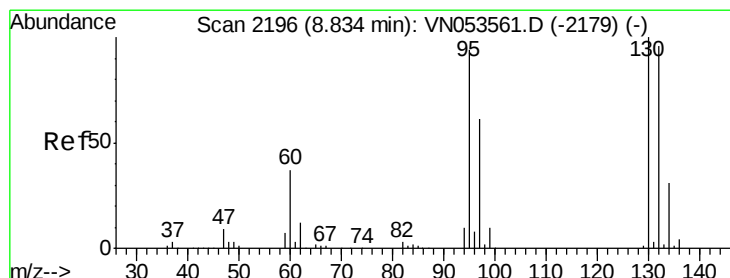
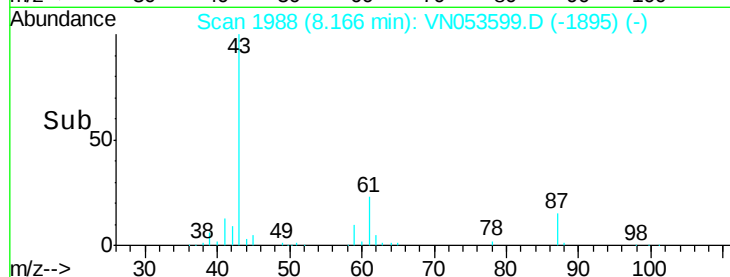
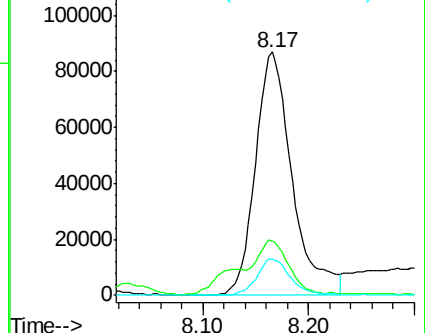
87 13.7 11.0 16.6



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

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

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



#44

Trichloroethene

Concen: 18.541 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053599.D

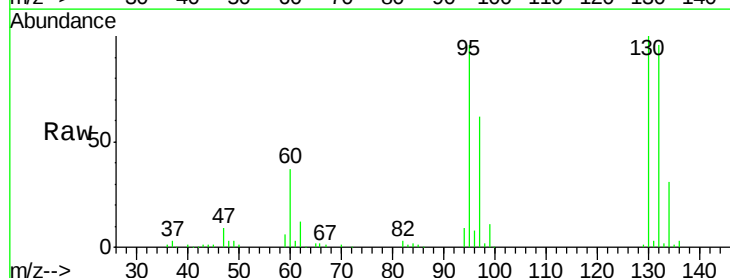
Acq: 4 Feb 2019 16:23

Tgt Ion: 130 Resp: 169184

Ion Ratio Lower Upper

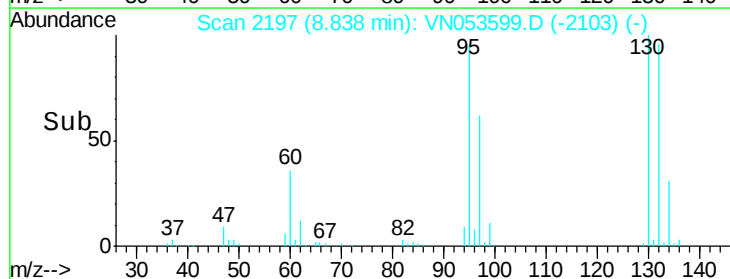
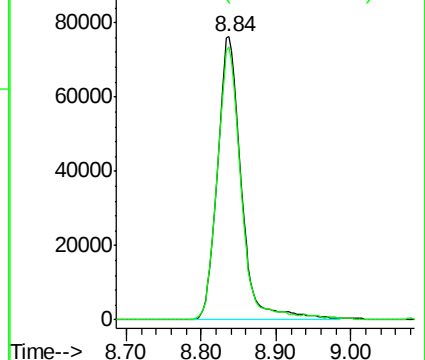
130 100

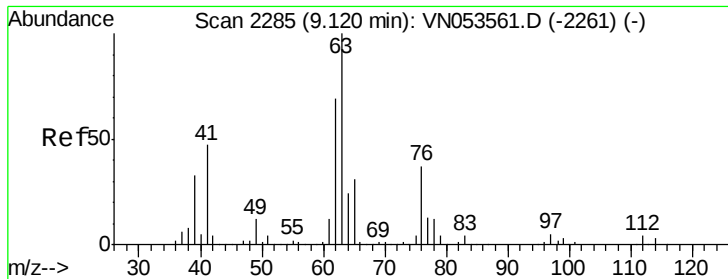
95 96.4 0.0 191.4



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

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





#45

1,2-Dichloropropane

Concen: 19.221 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

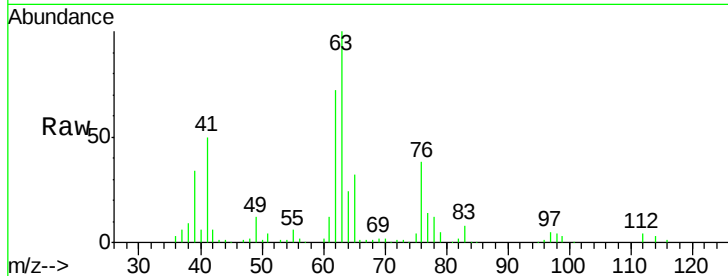
VN0204WBSD01

Tot Ion: 63 Resp: 157575

Ion Ratio Lower Upper

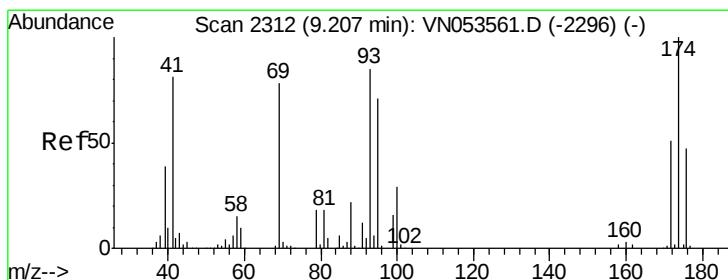
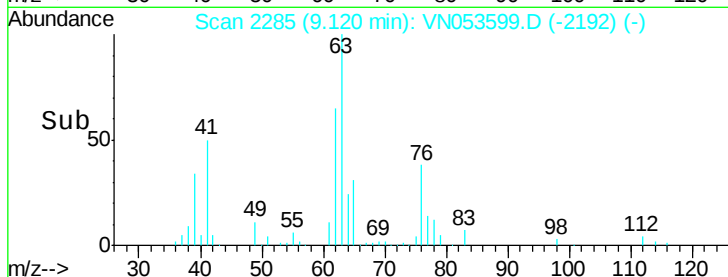
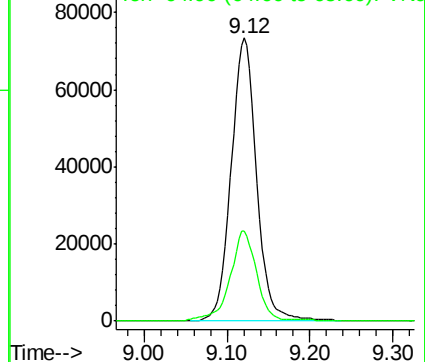
63 100

65 31.9 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: 18.811 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

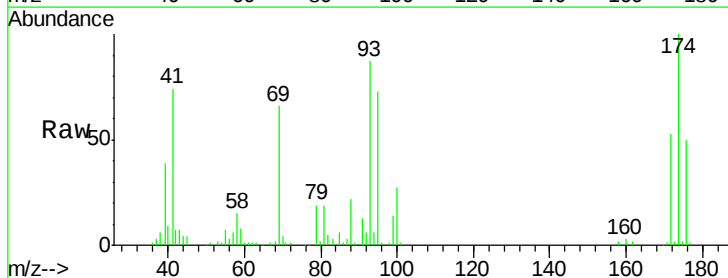
Tgt Ion: 93 Resp: 92962

Ion Ratio Lower Upper

93 100

95 83.9 67.3 100.9

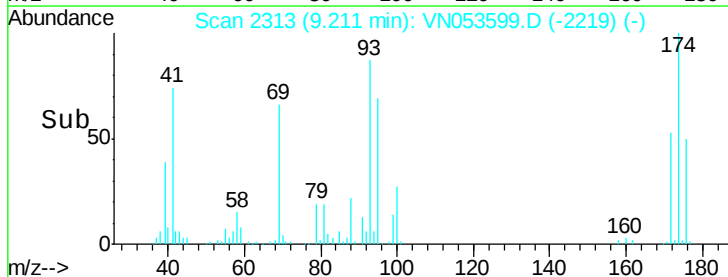
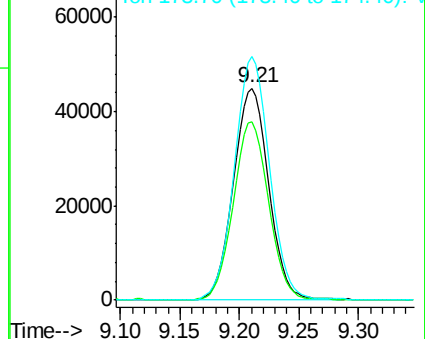
174 114.2 91.0 136.4



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

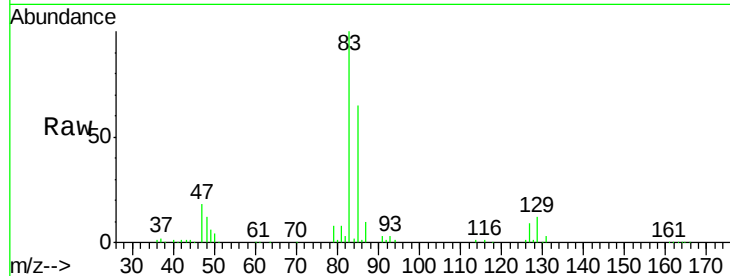




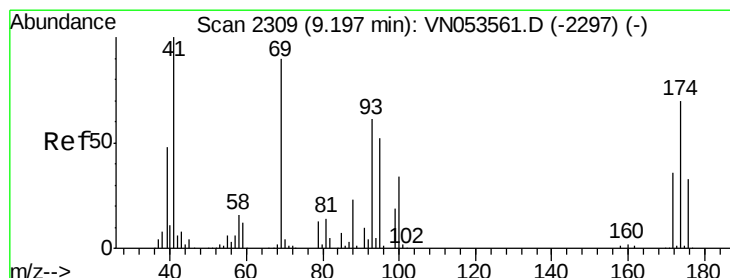
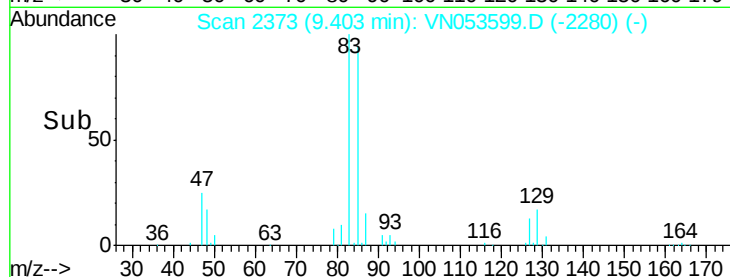
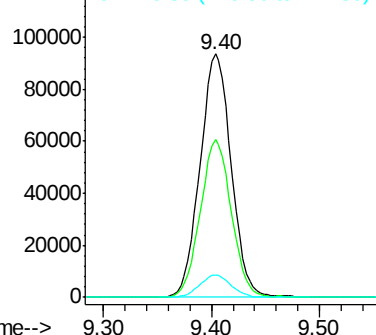
#47
Bromodichloromethane
Concen: 18.371 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion: 83 Resp: 188762
Ion Ratio Lower Upper
83 100
85 64.6 51.0 76.6
127 9.2 7.0 10.6

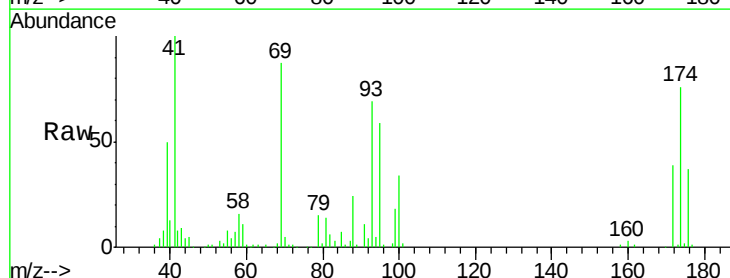


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

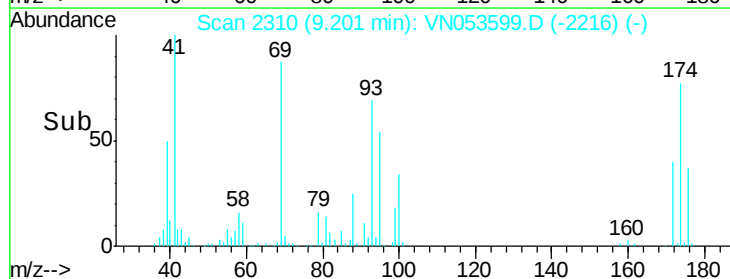
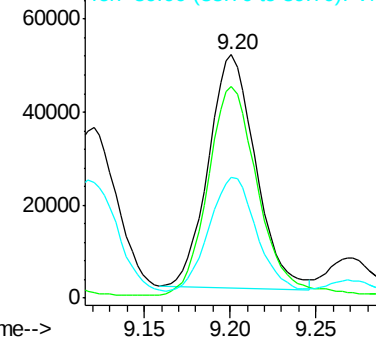


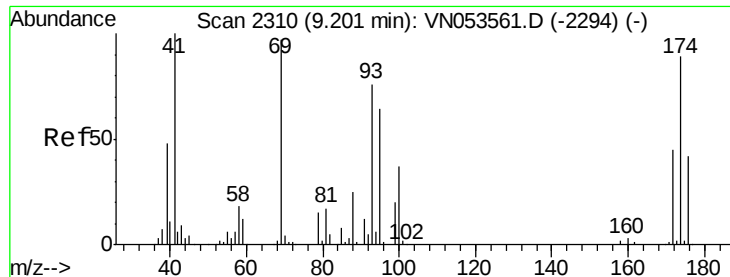
#48
Methyl methacrylate
Concen: 17.937 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion: 41 Resp: 95986
Ion Ratio Lower Upper
41 100
69 99.5 73.8 110.6
39 55.2 40.0 60.0



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 389.332 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

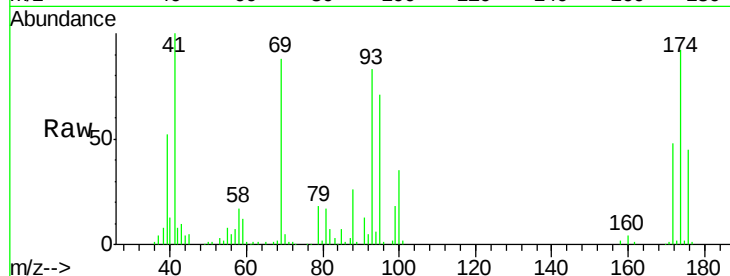
Tot Ion: 88 Resp: 28262

Ion Ratio Lower Upper

88 100

43 29.6 27.8 41.6

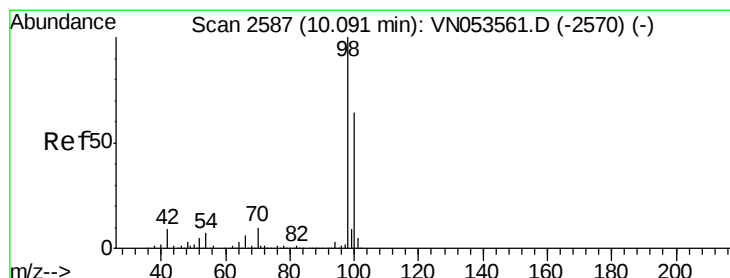
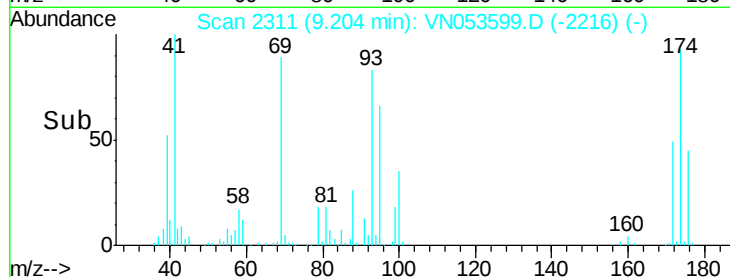
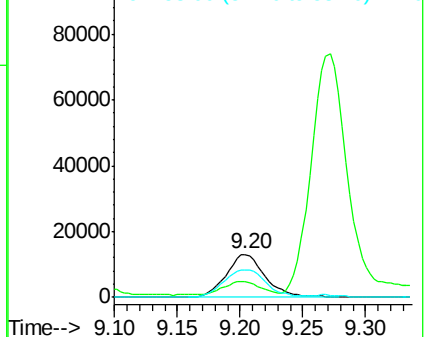
58 70.5 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053561.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053561.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2294) (-)



#50

Toluene-d8

Concen: 389.332 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053599.D

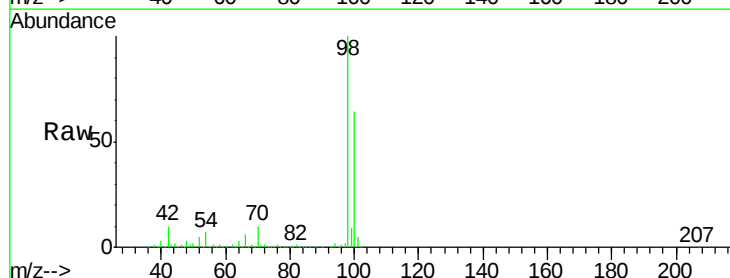
Acq: 4 Feb 2019 16:23

Tgt Ion: 98 Resp: 1365435

Ion Ratio Lower Upper

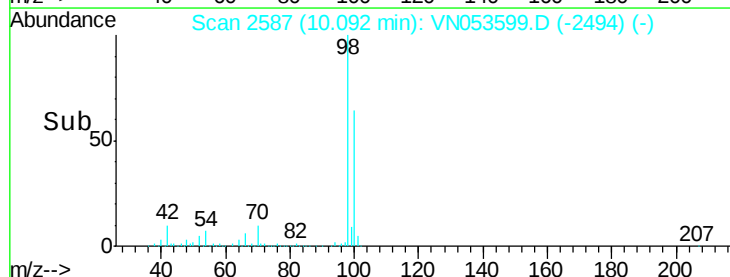
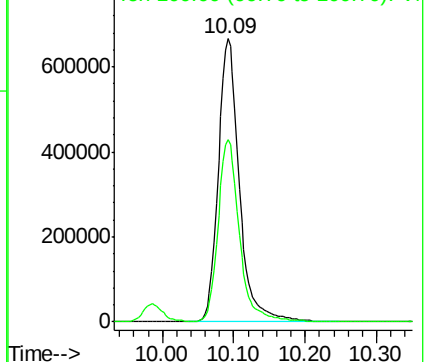
98 100

100 65.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 97.030 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

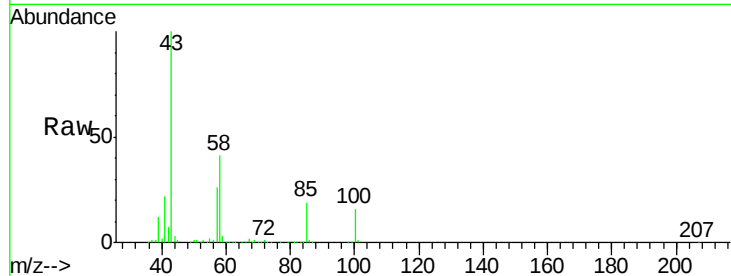
VN0204WBSD01

Tot Ion: 43 Resp: 534523

Ion Ratio Lower Upper

43 100

58 41.1 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

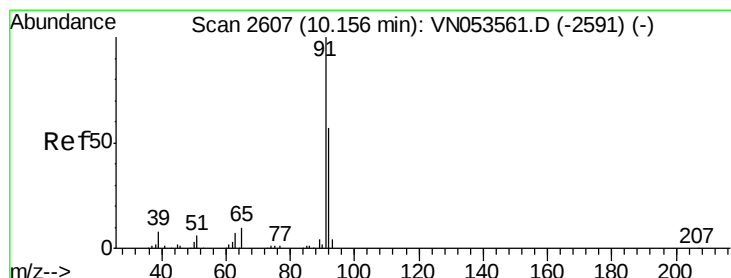
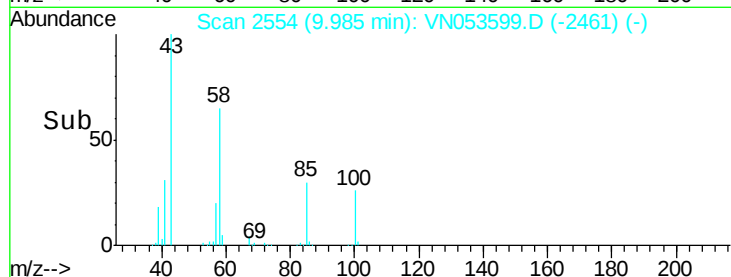
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.100 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053599.D

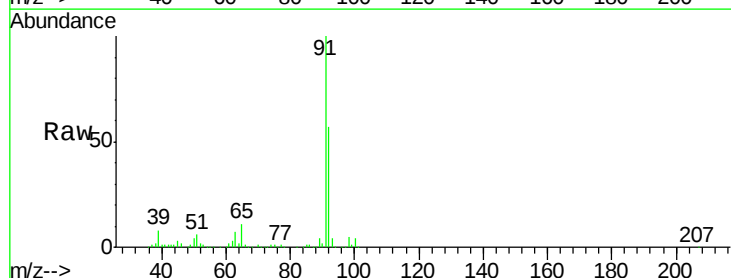
Acq: 4 Feb 2019 16:23

Tgt Ion: 92 Resp: 363326

Ion Ratio Lower Upper

92 100

91 175.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

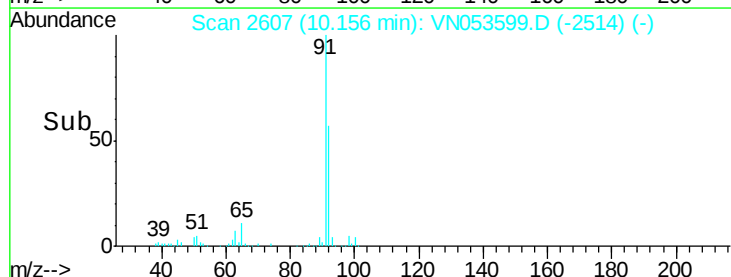
300000

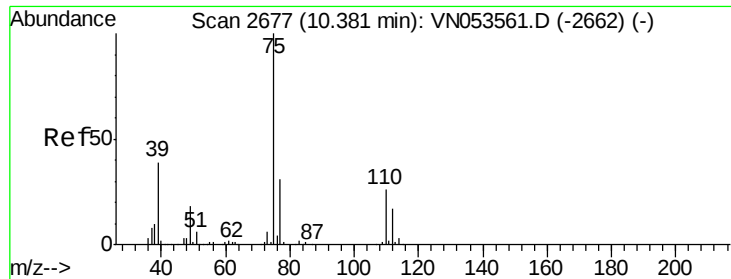
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.981 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

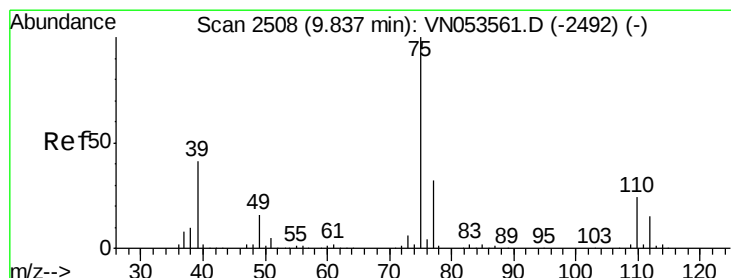
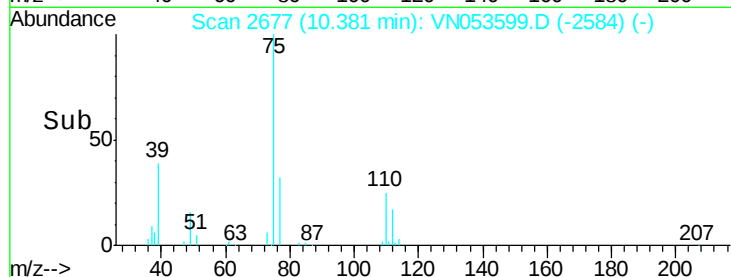
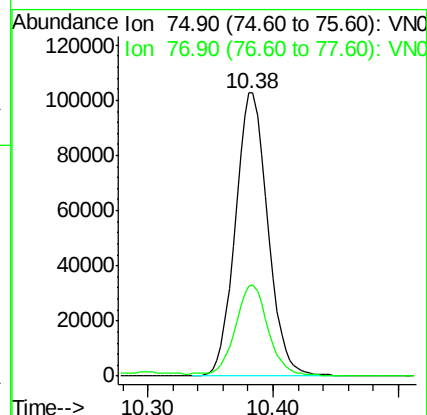
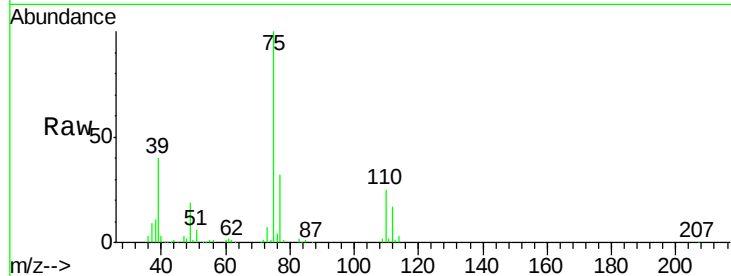
VN0204WBSD01

Tot Ion: 75 Resp: 185007

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 18.383 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

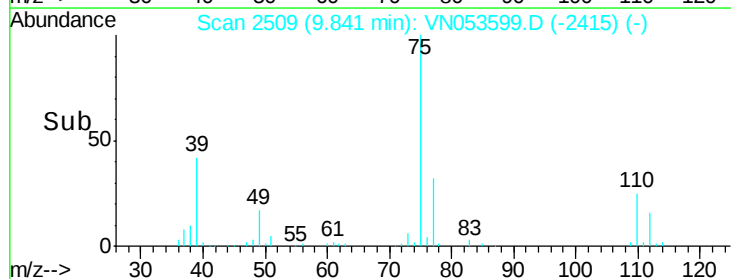
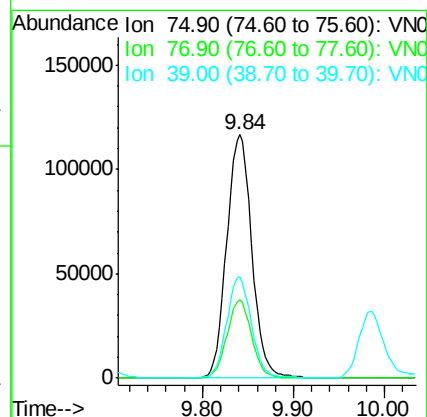
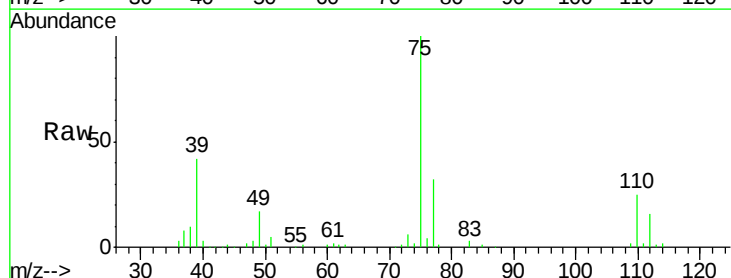
Tgt Ion: 75 Resp: 224126

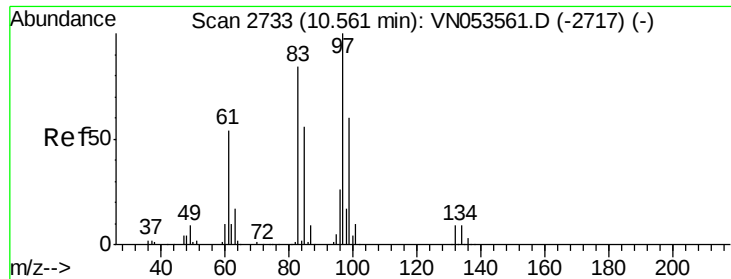
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6

39 41.6 33.4 50.0

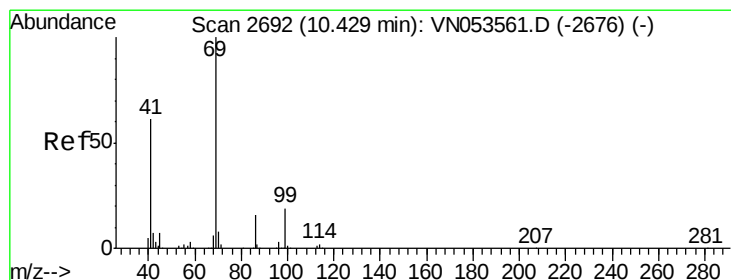
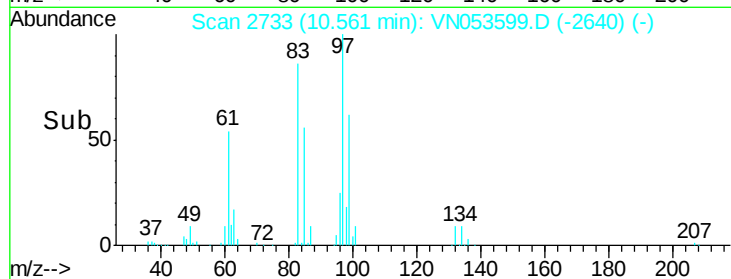
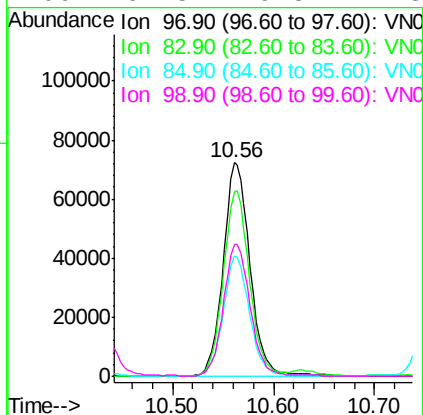
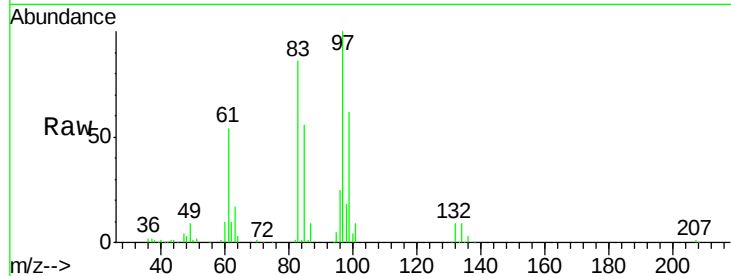




#55
 1,1,2-Trichloroethane
 Concen: 19.609 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

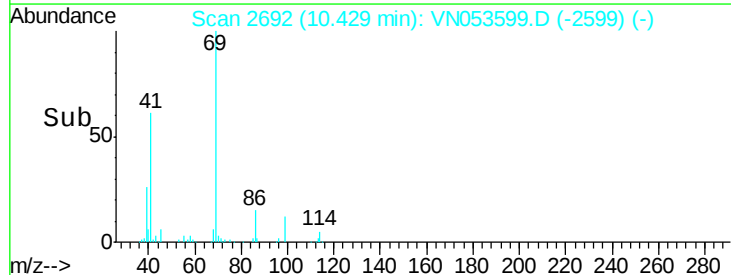
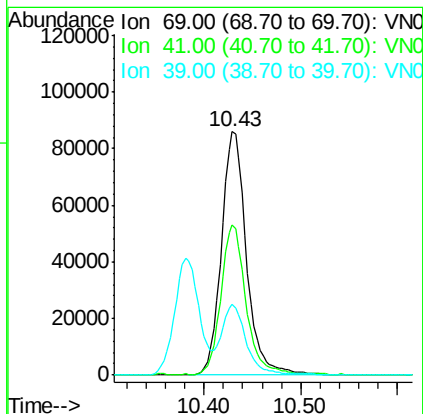
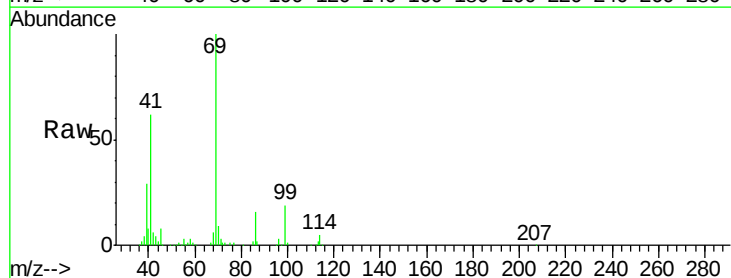
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

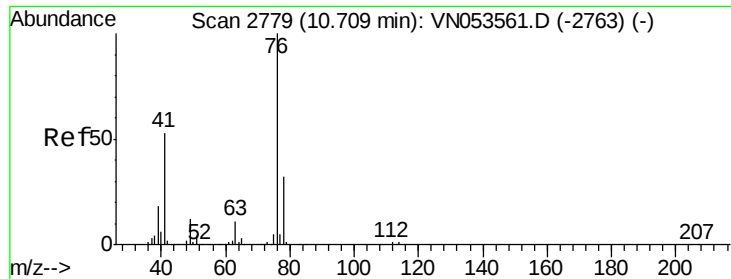
Tot Ion: 97 Resp: 134413
 Ion Ratio Lower Upper
 97 100
 83 86.1 70.1 105.1
 85 56.1 45.4 68.0
 99 61.5 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 19.112 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion: 69 Resp: 154980
 Ion Ratio Lower Upper
 69 100
 41 60.8 49.4 74.0
 39 27.1 23.3 34.9

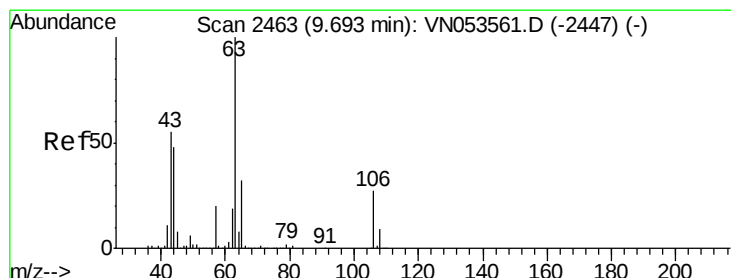
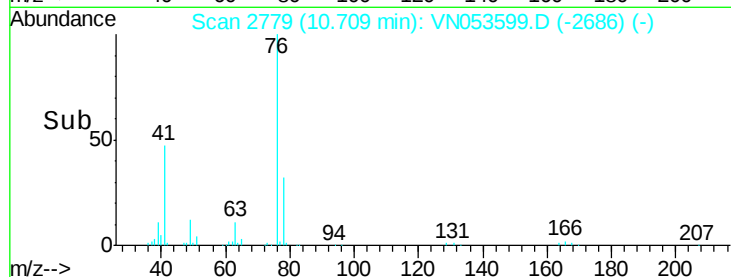
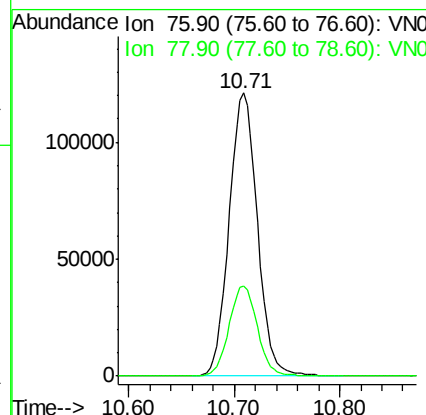
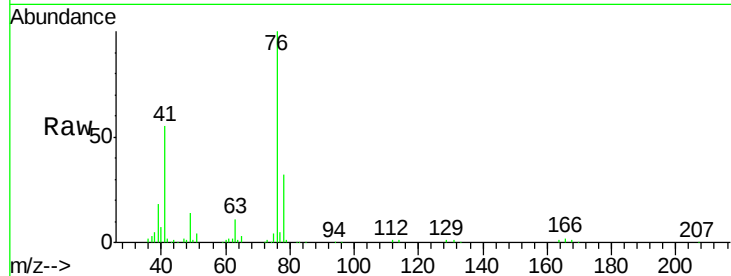




#57
 1,3-Dichloropropane
 Concen: 19.148 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

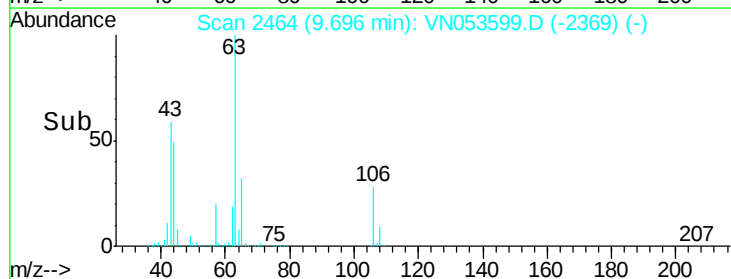
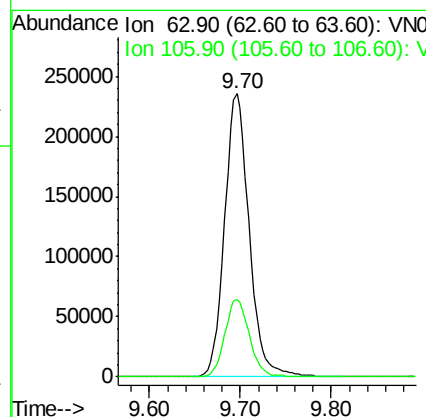
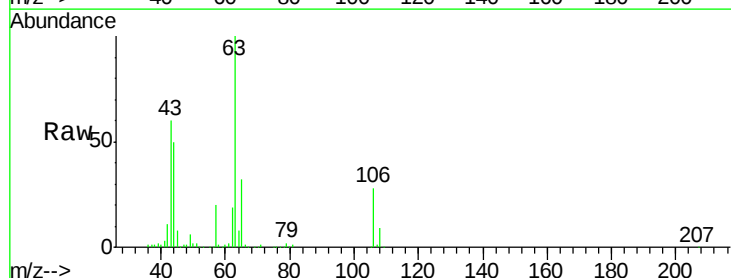
Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBSD01

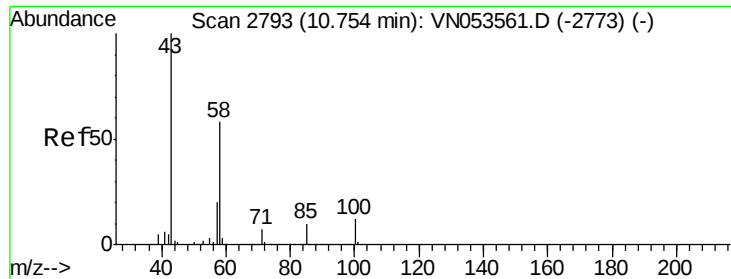
Tot Ion: 76 Resp: 224320
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.216 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion: 63 Resp: 442686
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.5 32.3

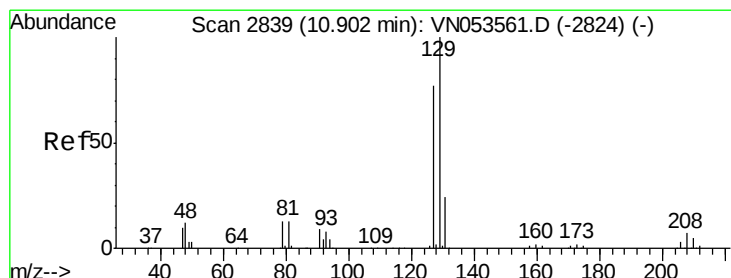
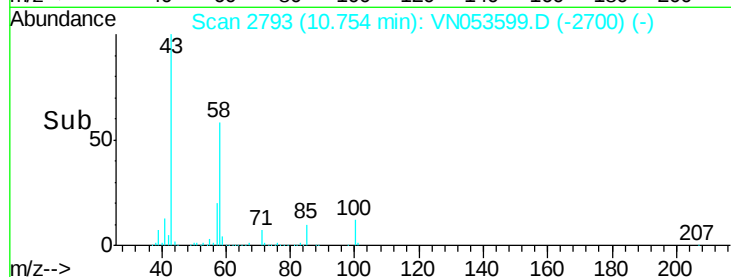
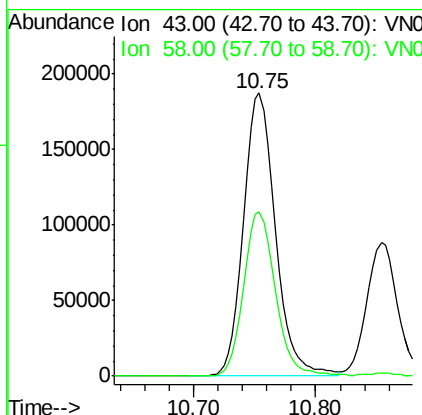
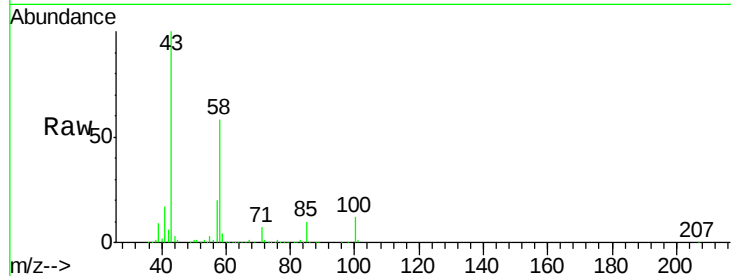




#59
2-Hexanone
Concen: 89.748 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

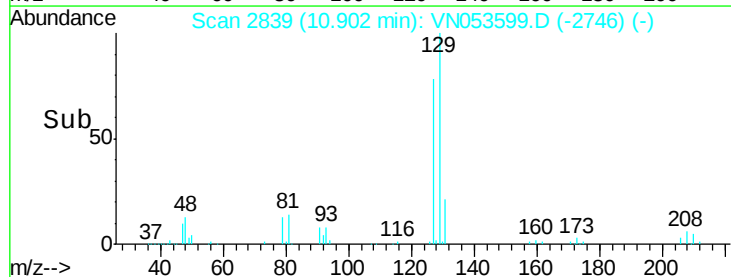
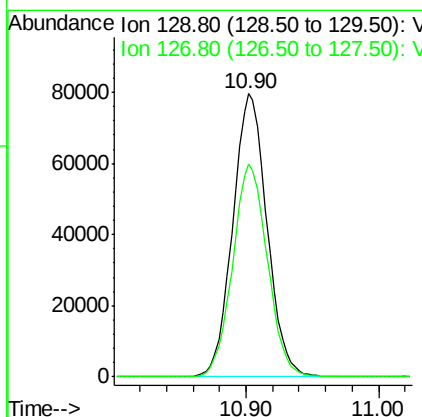
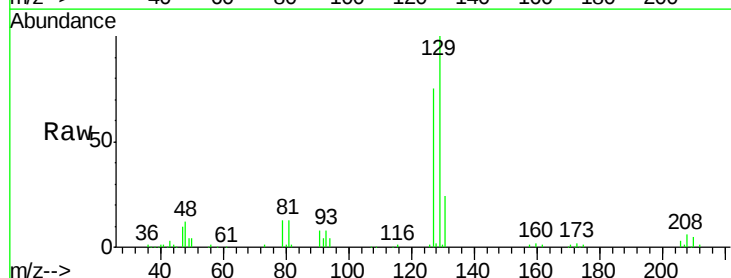
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

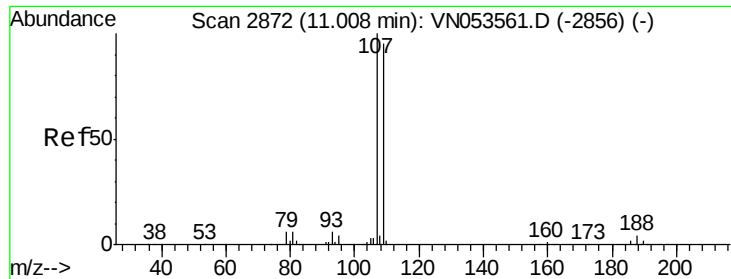
Tot Ion: 43 Resp: 335641
Ion Ratio Lower Upper
43 100
58 58.0 28.6 85.8



#60
Dibromochloromethane
Concen: 18.456 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion: 129 Resp: 142663
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.8

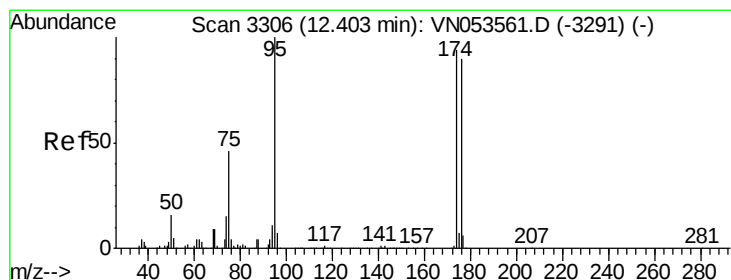
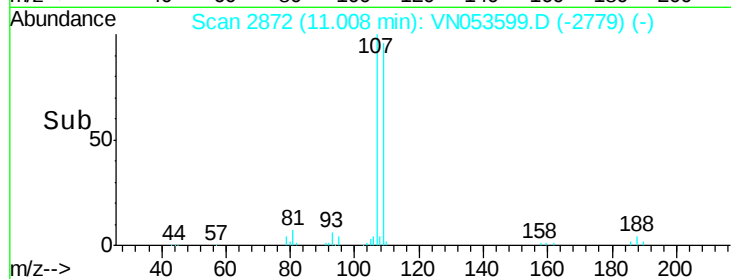
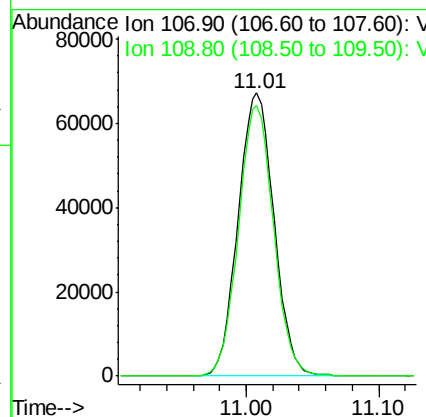
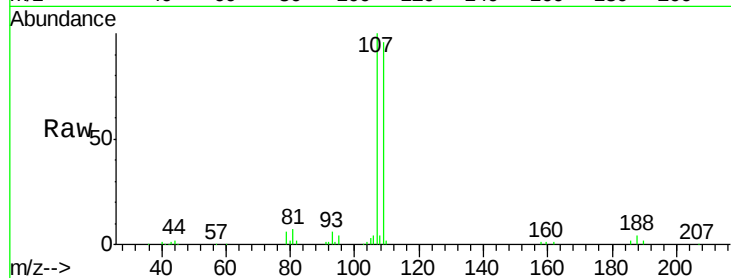




#61
 1,2-Dibromoethane
 Concen: 18.586 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

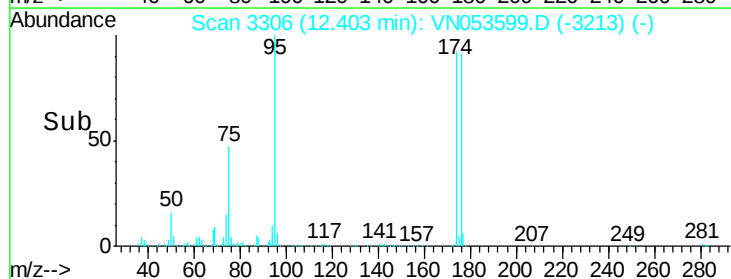
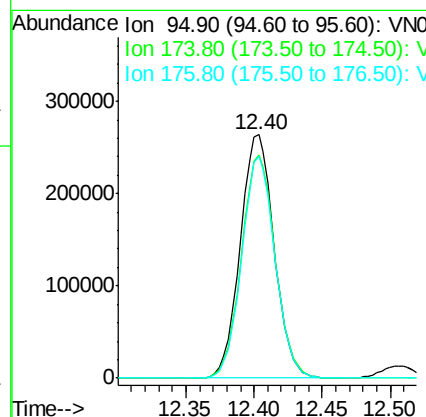
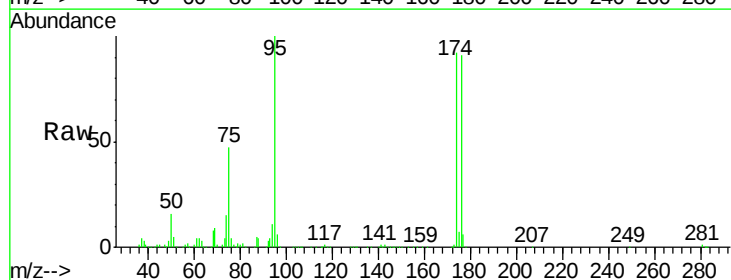
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

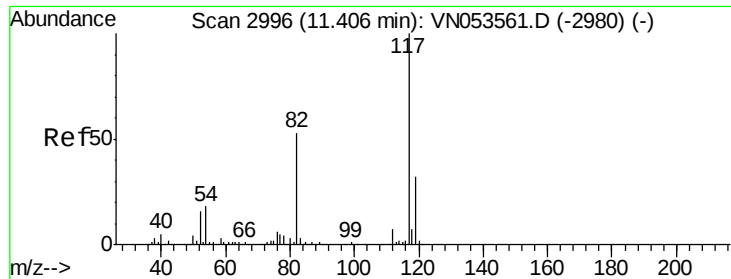
Tot Ion:107 Resp: 126093
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 18.586 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion: 95 Resp: 454384
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 183.2
 176 89.3 0.0 177.4

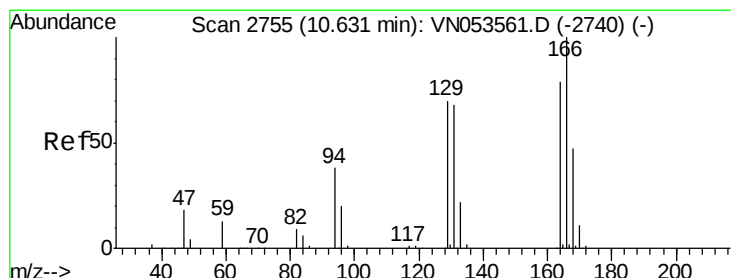
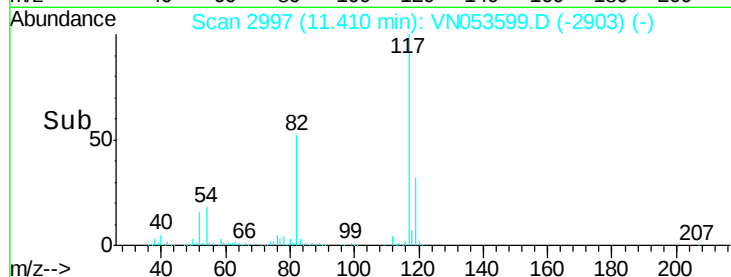
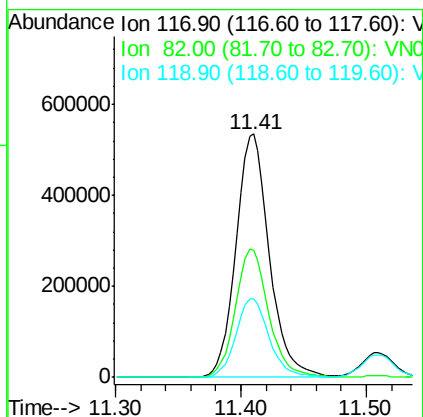
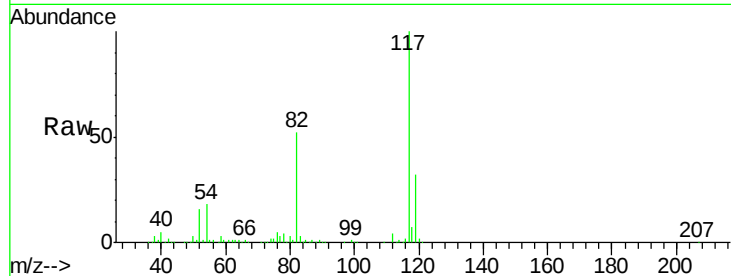




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

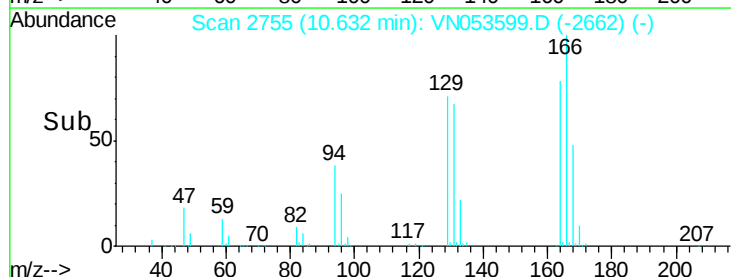
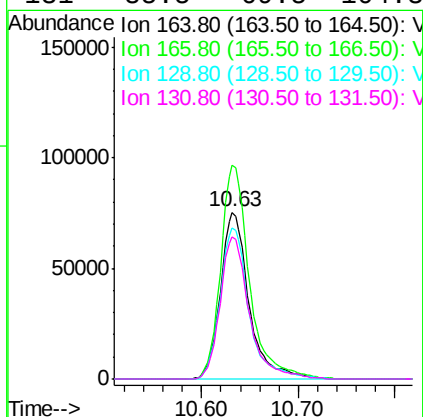
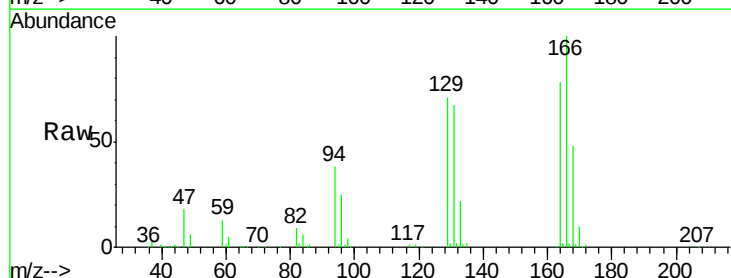
Instrument :
MSVOA_N
ClientSampled :
VN0204WBSD01

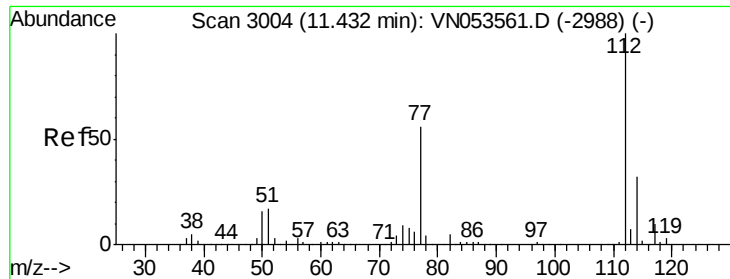
Tot Ion:117 Resp: 988572
Ion Ratio Lower Upper
117 100
82 52.1 42.9 64.3
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 18.233 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion:164 Resp: 154510
Ion Ratio Lower Upper
164 100
166 128.2 102.2 153.4
129 90.4 72.6 109.0
131 85.5 69.5 104.3

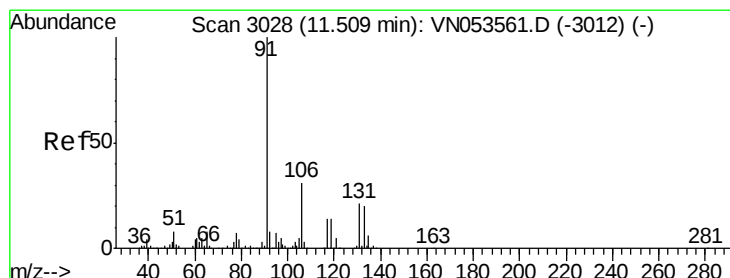
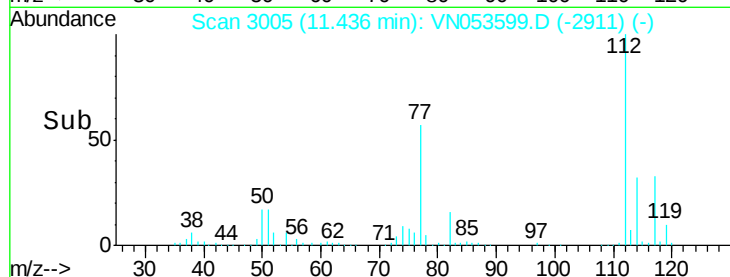
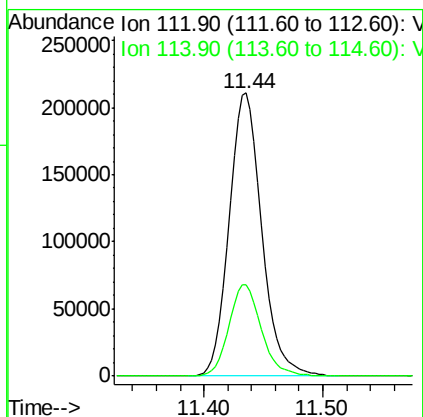
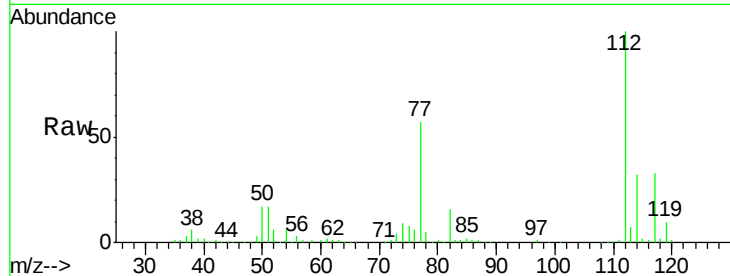




#65
Chlorobenzene
Concen: 19.045 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

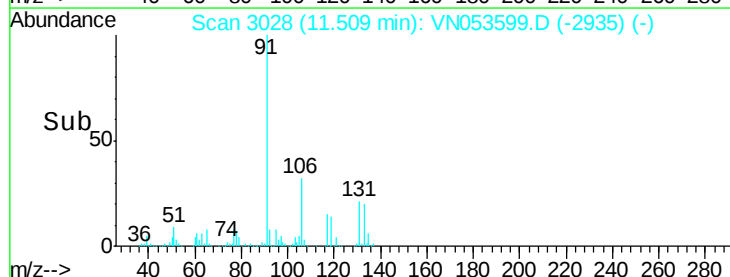
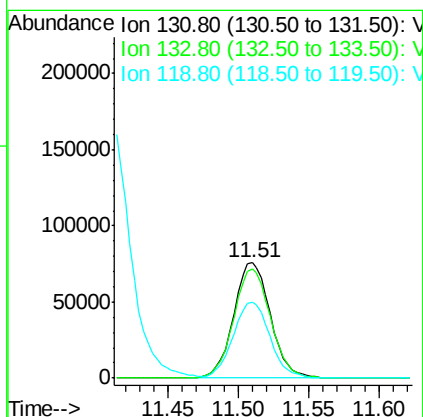
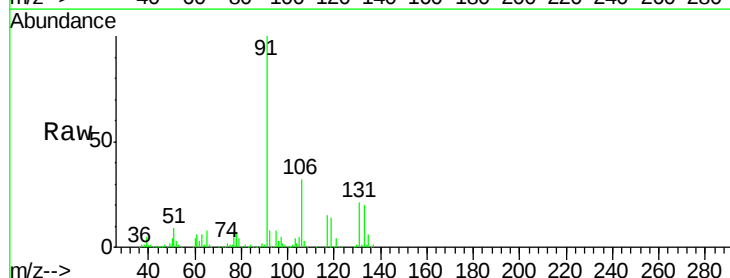
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

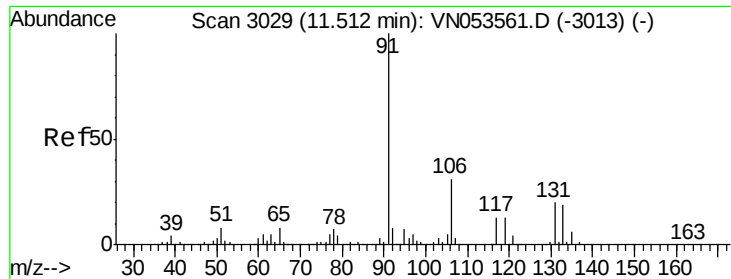
Tot Ion:112 Resp: 399919
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 18.847 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion:131 Resp: 138211
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.0
119 66.4 33.5 100.5

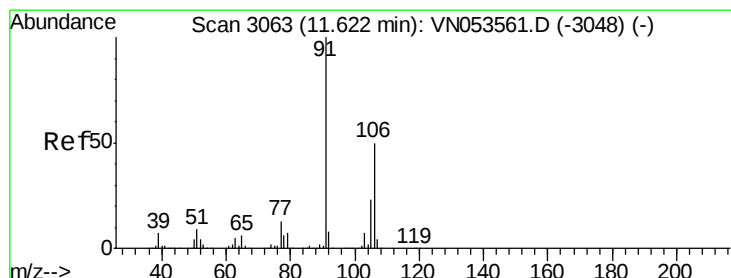
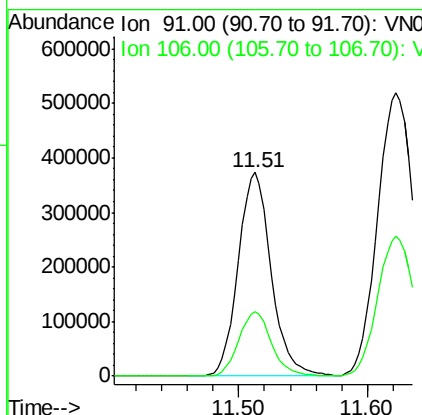
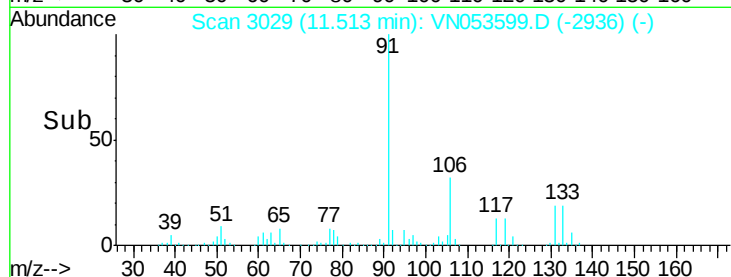
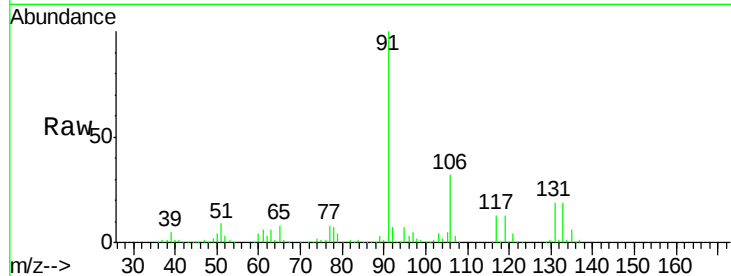




#67
Ethyl Benzene
Concen: 19.304 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

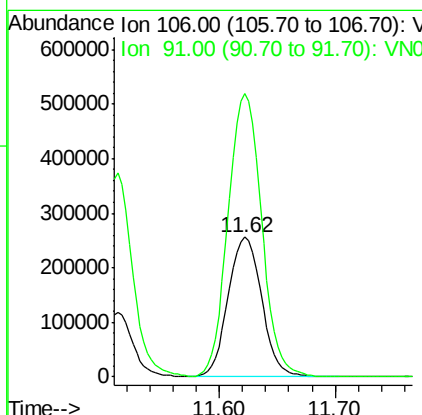
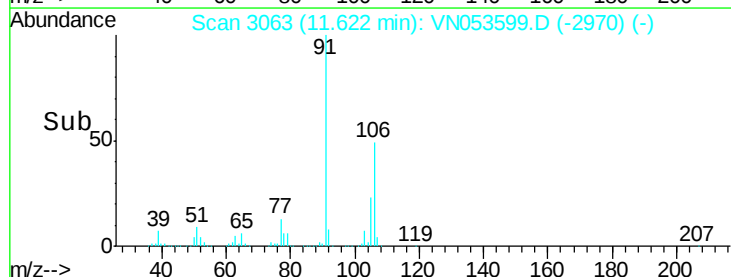
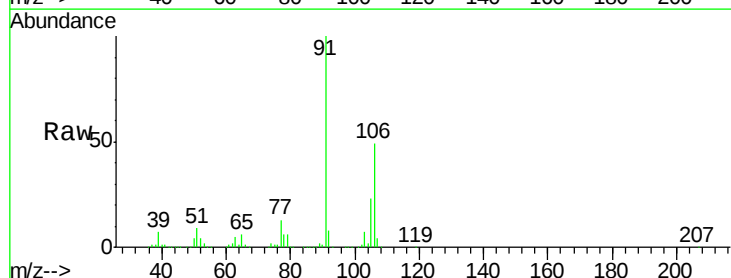
Instrument :
MSVOA_N
ClientSampled :
VN0204WBSD01

Tot Ion: 91 Resp: 665861
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6



#68
m/p-Xylenes
Concen: 39.257 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion: 106 Resp: 516817
Ion Ratio Lower Upper
106 100
91 201.8 161.4 242.2

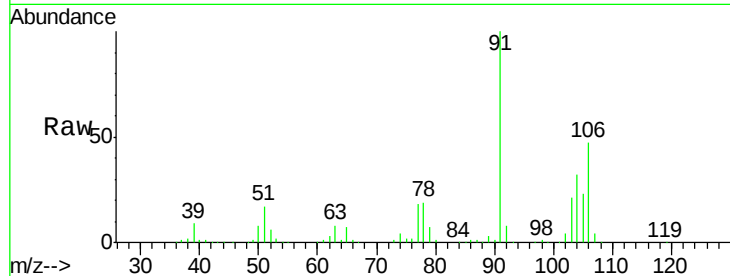




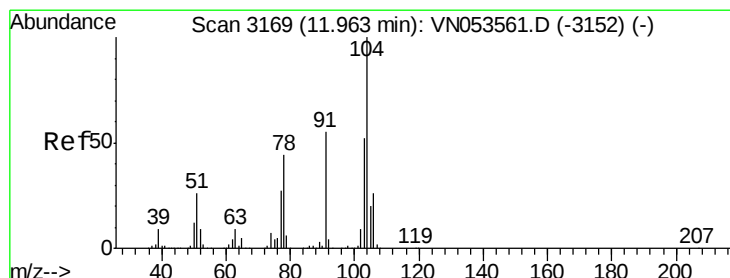
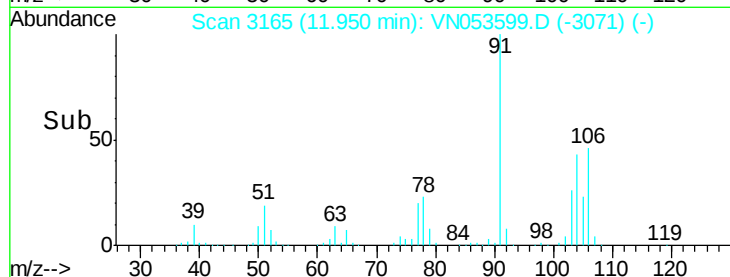
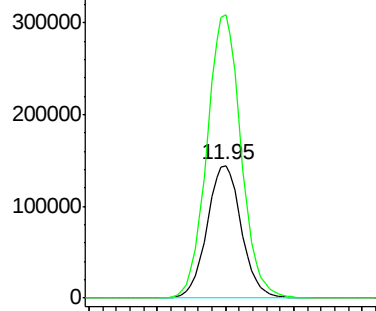
#69
o-Xylene
Concen: 19.826 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampled :
VN0204WBSD01

Tot Ion:106 Resp: 252155
Ion Ratio Lower Upper
106 100
91 212.3 106.9 320.8

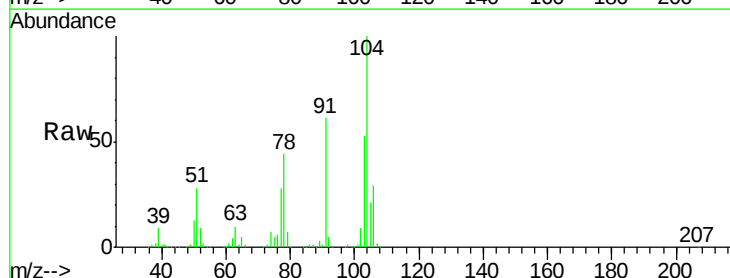


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

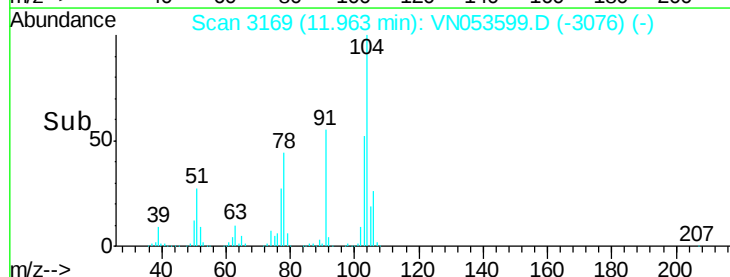
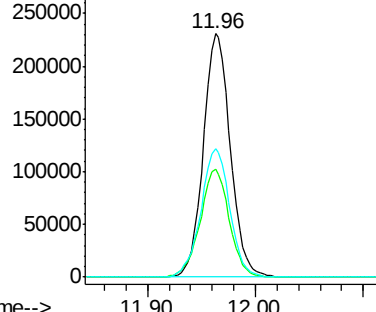


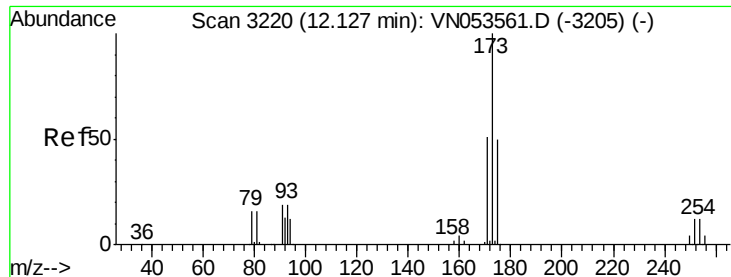
#70
Styrene
Concen: 19.420 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion:104 Resp: 400335
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 56.5 44.4 66.6



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

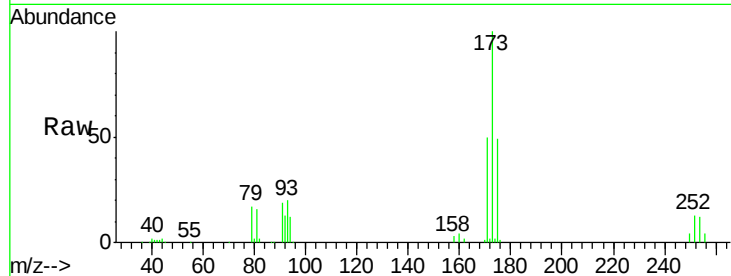




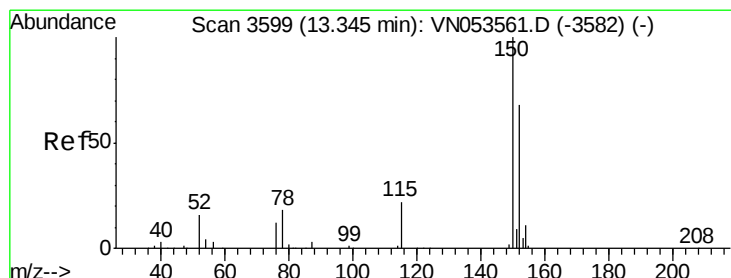
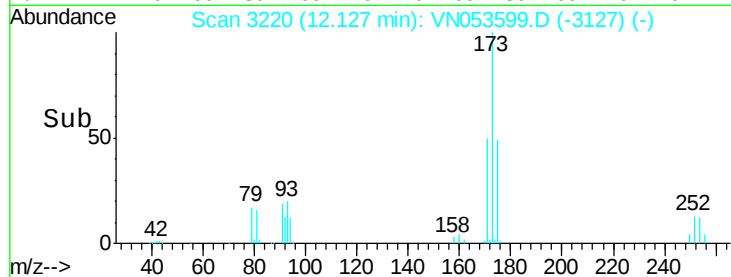
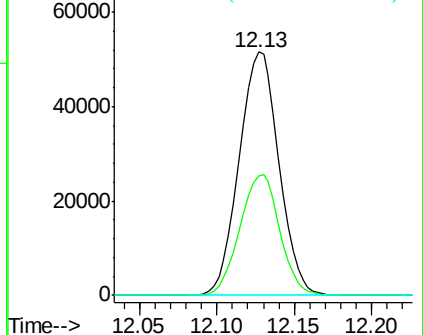
#71
 Bromoform
 Concen: 18.370 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBSD01

Tot Ion:173 Resp: 92360
 Ion Ratio Lower Upper
 173 100
 175 49.6 24.6 74.0
 254 0.0 0.2 0.2#

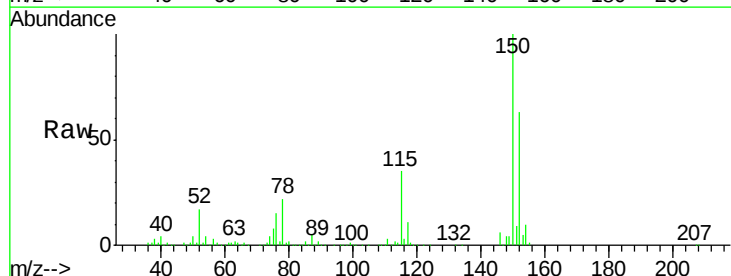


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

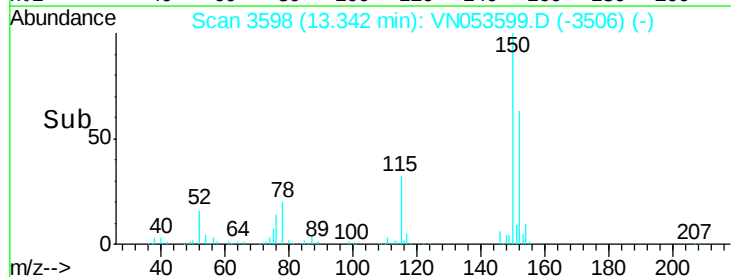
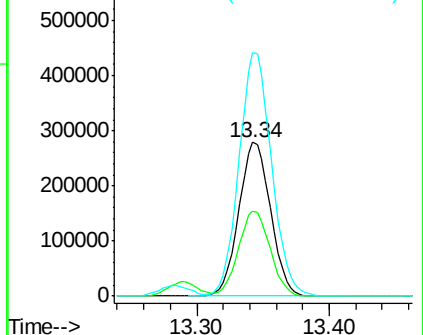


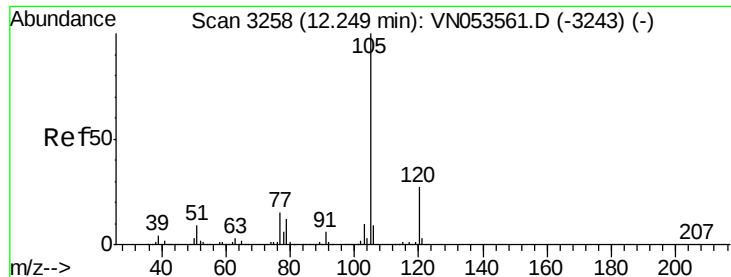
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion:152 Resp: 461863
 Ion Ratio Lower Upper
 152 100
 115 55.6 27.8 83.4
 150 163.5 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.212 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleID :

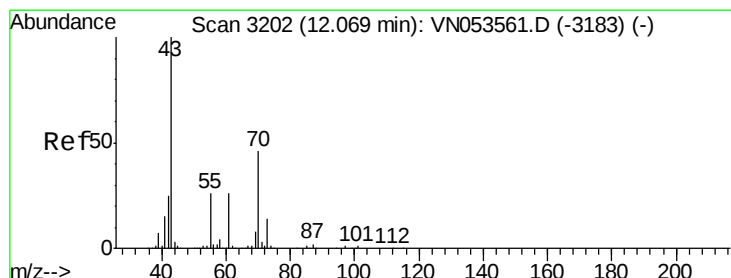
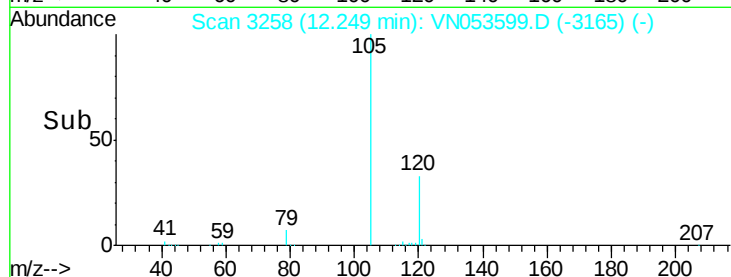
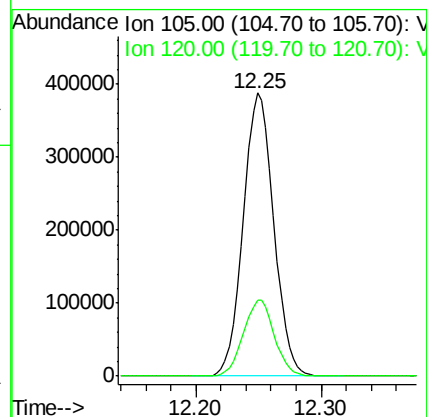
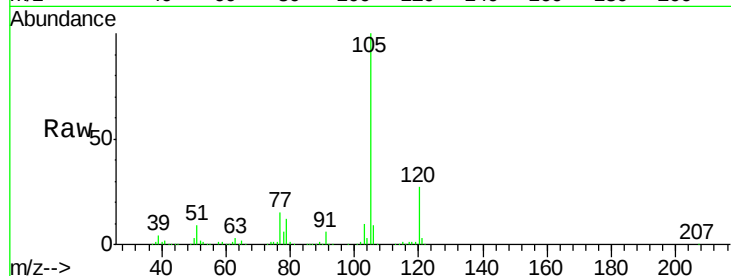
VN0204WBSD01

Tot Ion:105 Resp: 656243

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



#74

N-ethyl acetate

Concen: 19.655 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Tgt Ion: 43 Resp: 153458

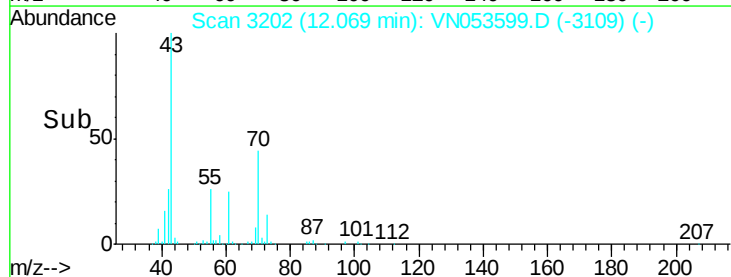
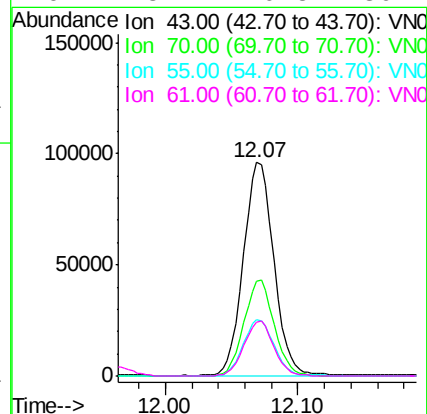
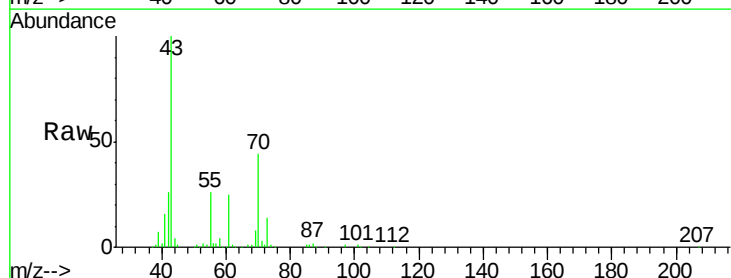
Ion Ratio Lower Upper

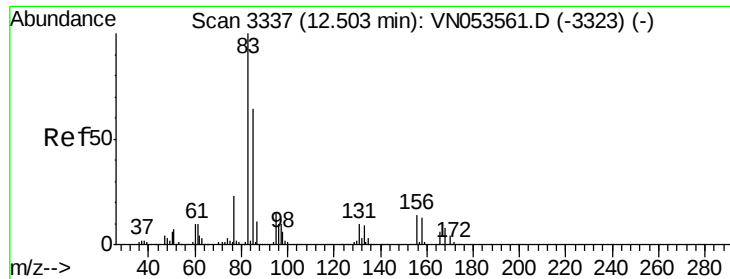
43 100

70 44.6 35.4 53.2

55 26.8 20.9 31.3

61 25.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.350 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

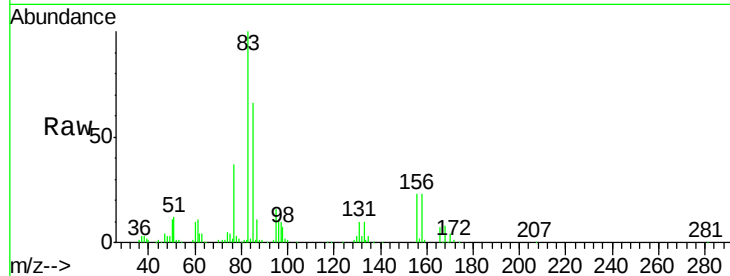
Tot Ion: 83 Resp: 150361

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

85 64.6 32.1 96.3

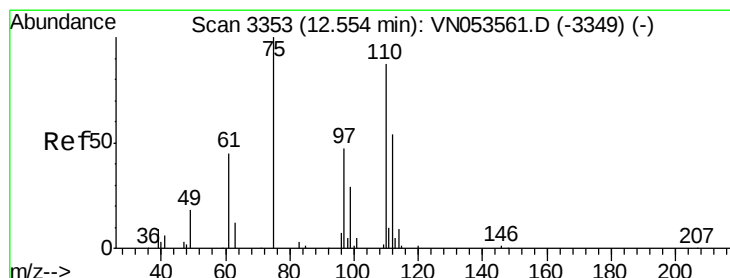
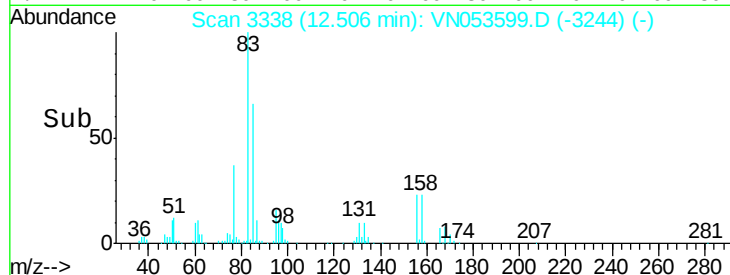


Abundance Ion 82.90 (82.60 to 83.60): VN053599.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053599.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053599.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 30.630 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN053599.D

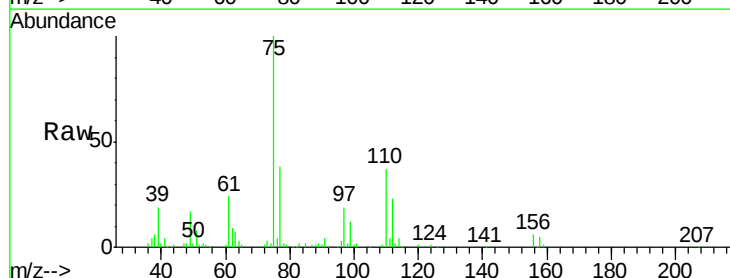
Acq: 4 Feb 2019 16:23

Tgt Ion: 75 Resp: 181706

Ion Ratio Lower Upper

75 100

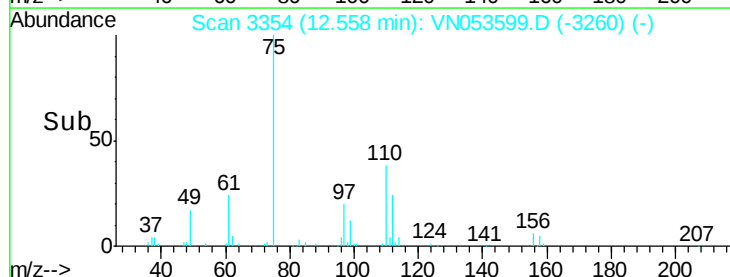
77 0.0 0.0 0.0

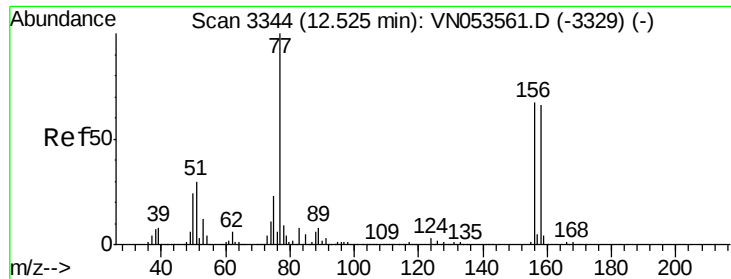


Abundance Ion 74.90 (74.60 to 75.60): VN053599.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053599.D (-3260) (-)

Time-->

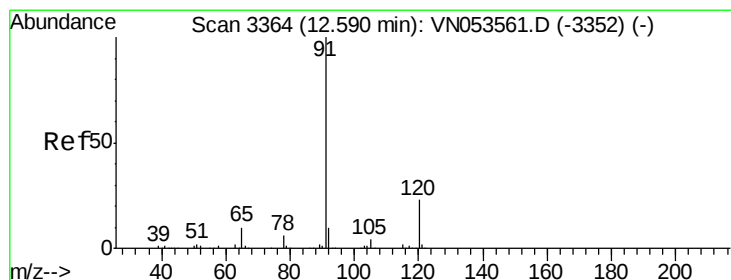
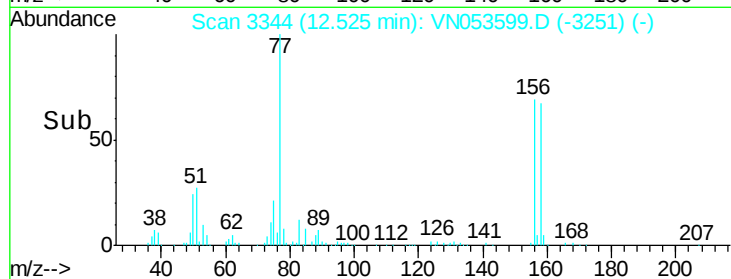
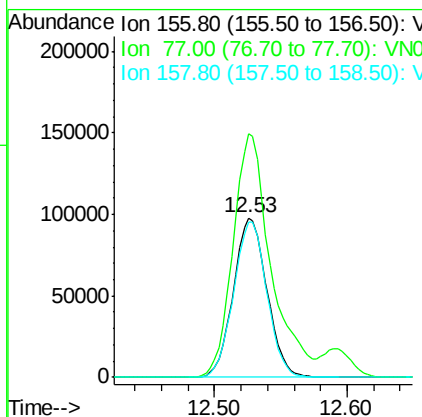
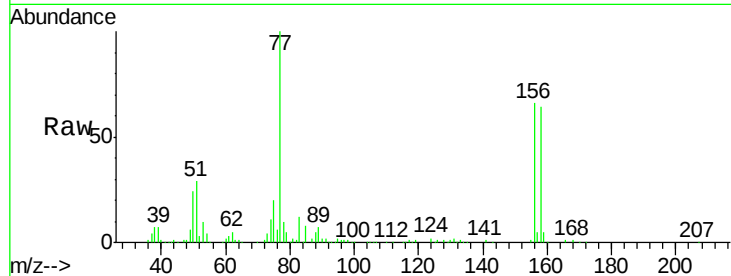




#77
Bromobenzene
Concen: 19.716 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

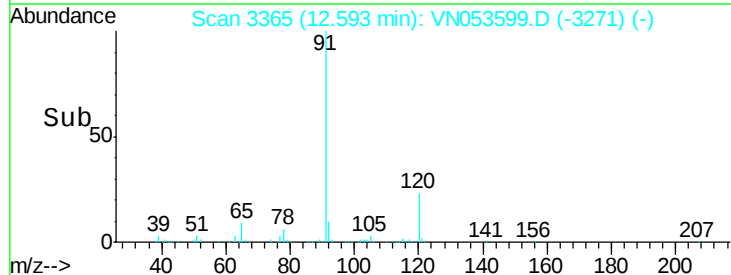
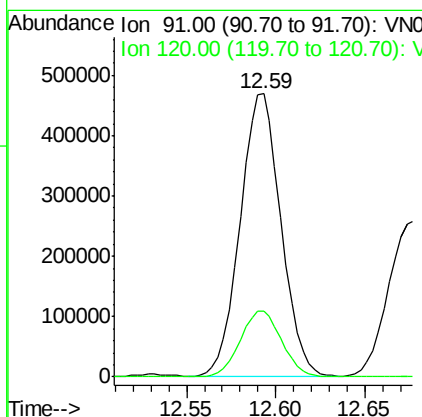
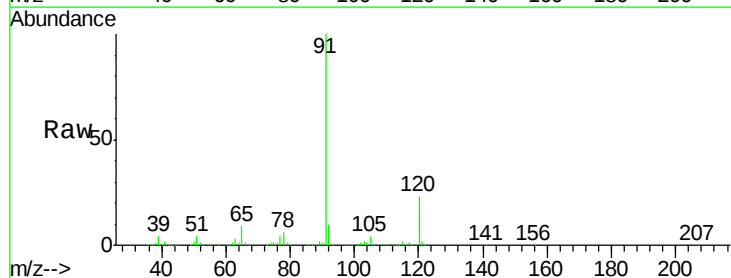
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion:156 Resp: 172528
Ion Ratio Lower Upper
156 100
77 173.0 87.9 263.8
158 96.6 48.8 146.4



#78
n-propylbenzene
Concen: 19.930 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion: 91 Resp: 748053
Ion Ratio Lower Upper
91 100
120 23.7 11.9 35.5

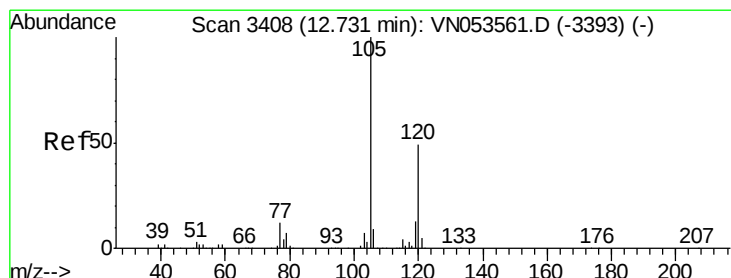
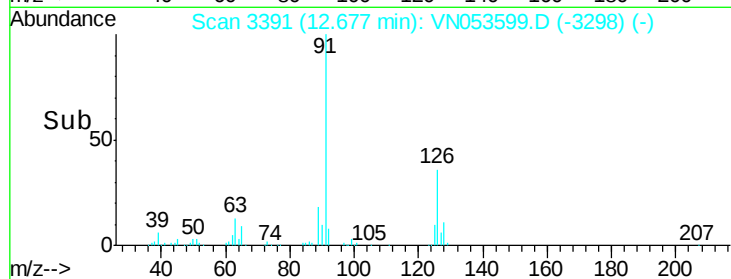
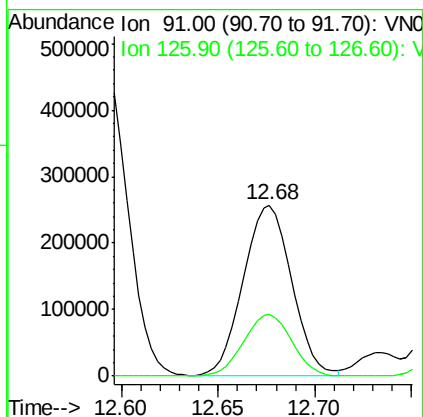
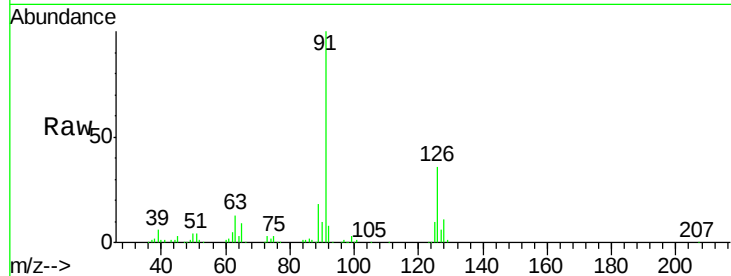




#79
 2-Chlorotoluene
 Concen: 20.058 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

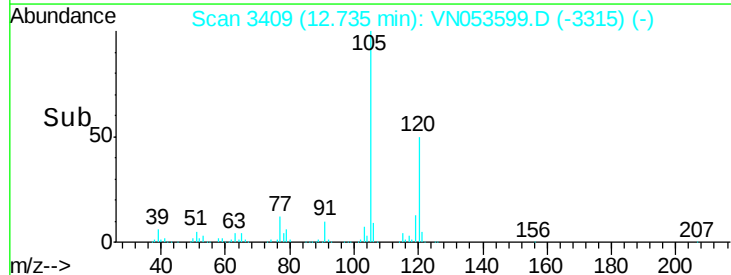
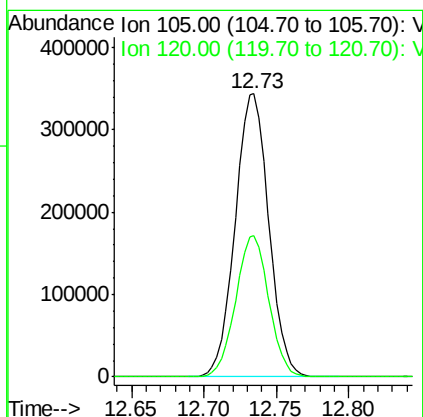
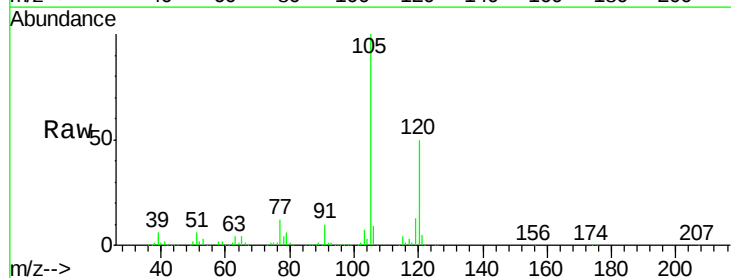
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

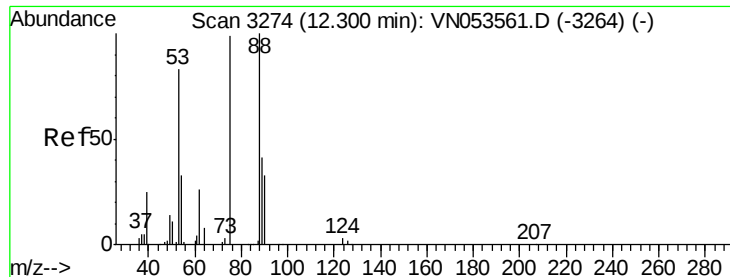
Tot Ion: 91 Resp: 446658
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.493 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion: 105 Resp: 551766
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.188 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

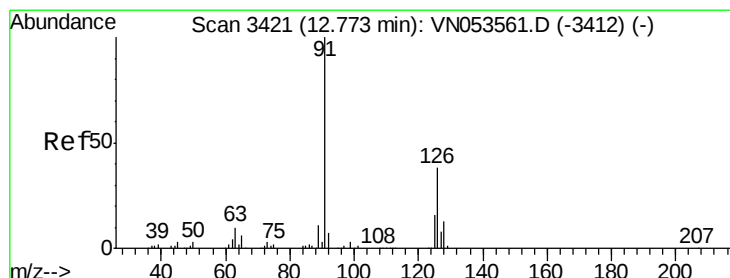
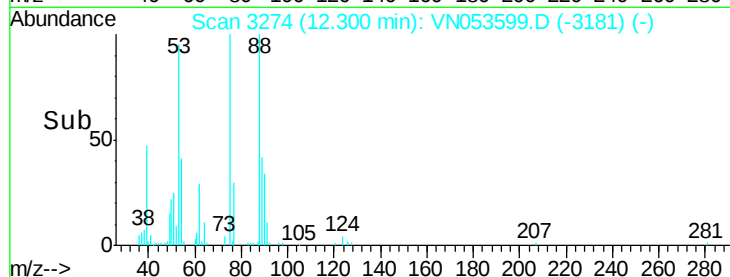
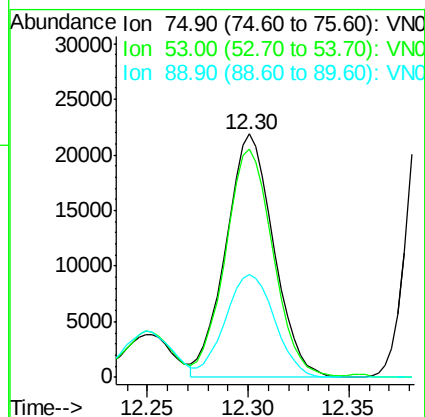
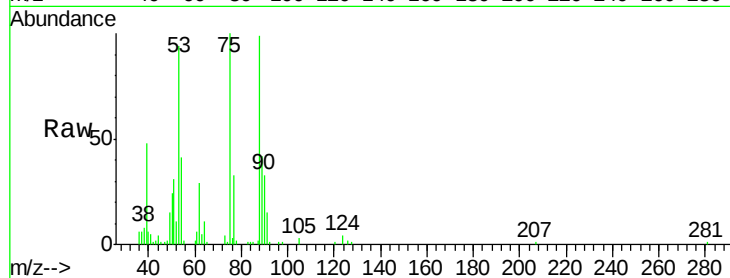
Tot Ion: 75 Resp: 36261

Ion Ratio Lower Upper

75 100

53 92.4 69.8 104.6

89 43.4 35.6 53.4



#82

4-Chlorotoluene

Concen: 19.656 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053599.D

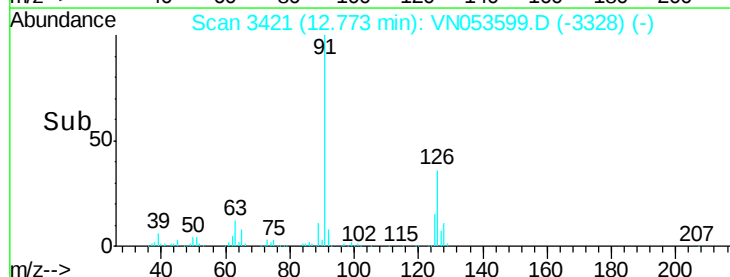
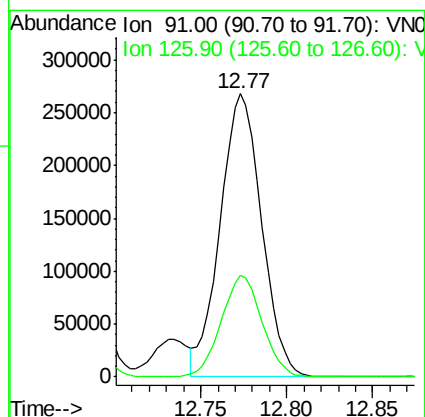
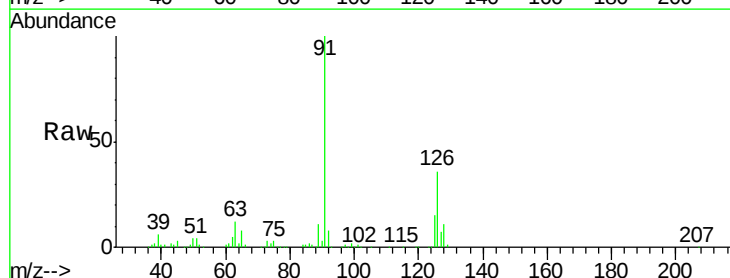
Acq: 4 Feb 2019 16:23

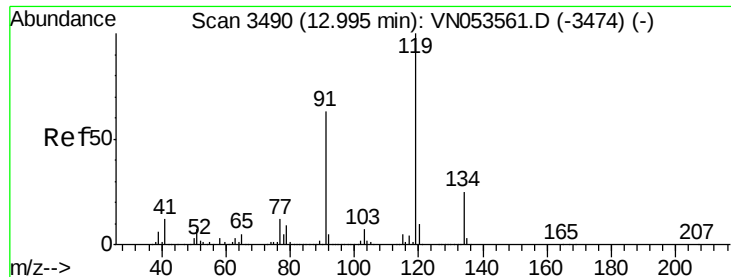
Tgt Ion: 91 Resp: 449138

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.9

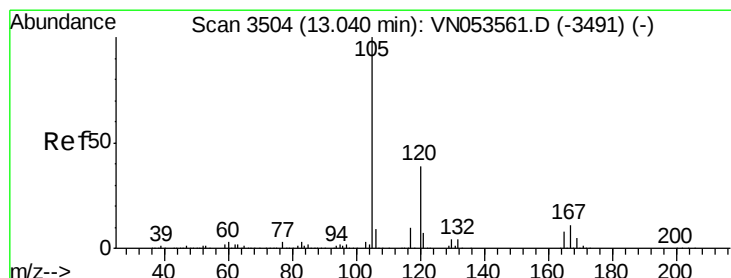
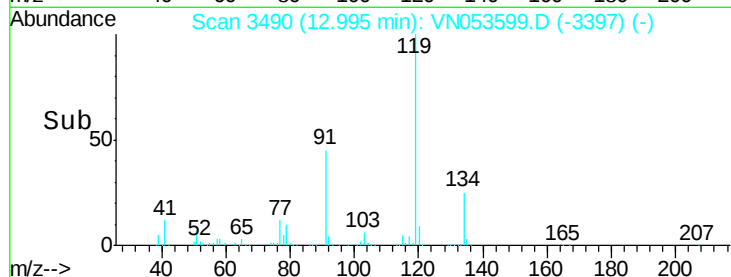
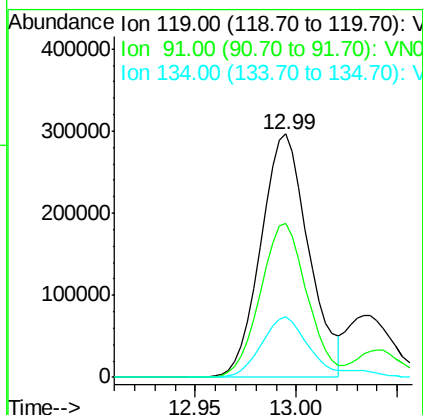
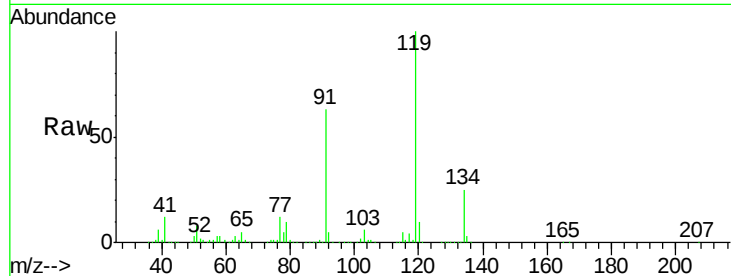




#83
tert-Butylbenzene
Concen: 20.615 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

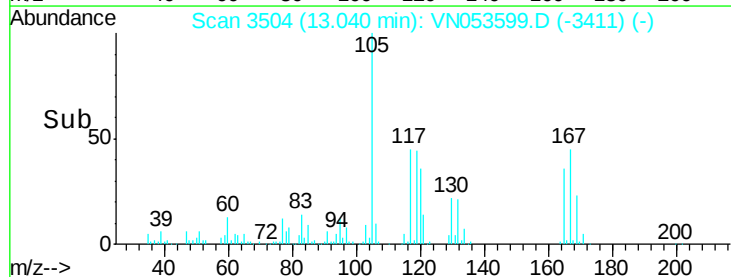
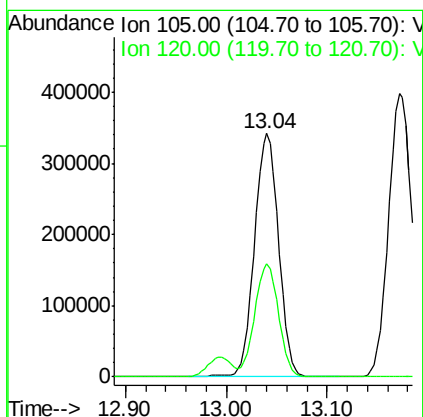
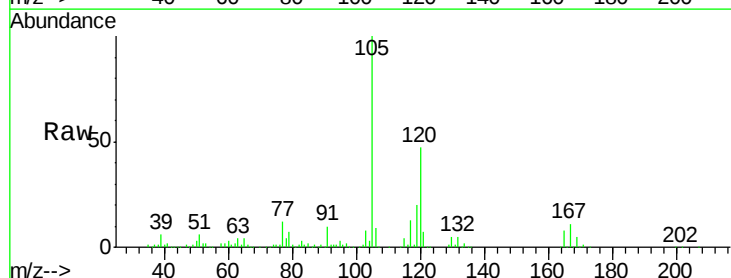
Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

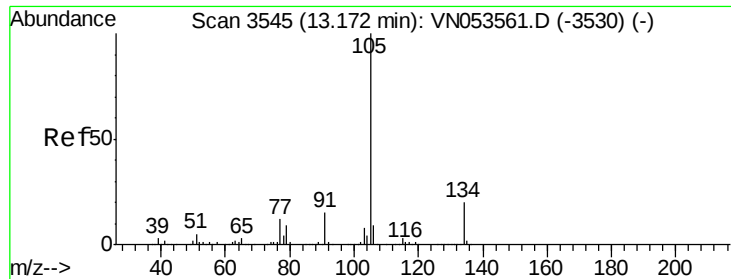
Tot Ion:119 Resp: 490554
Ion Ratio Lower Upper
119 100
91 62.1 31.3 93.8
134 24.3 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 20.502 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion:105 Resp: 562395
Ion Ratio Lower Upper
105 100
120 46.1 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.013 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

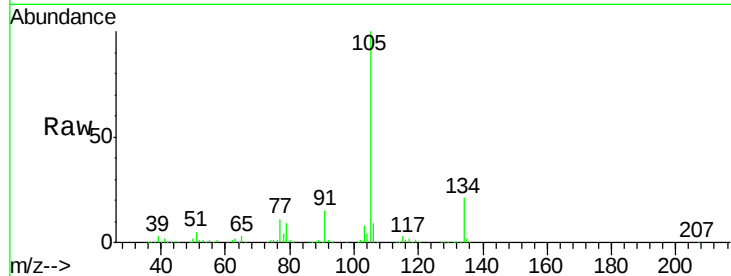
VN0204WBSD01

Tot Ion:105 Resp: 648056

Ion Ratio Lower Upper

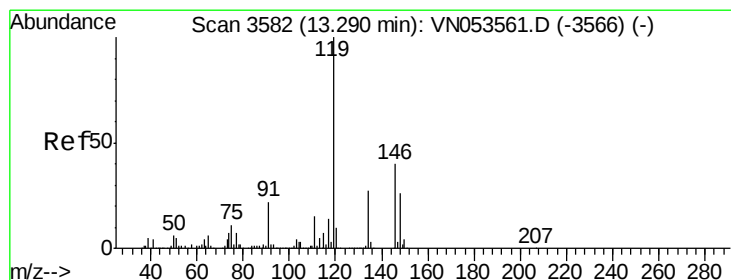
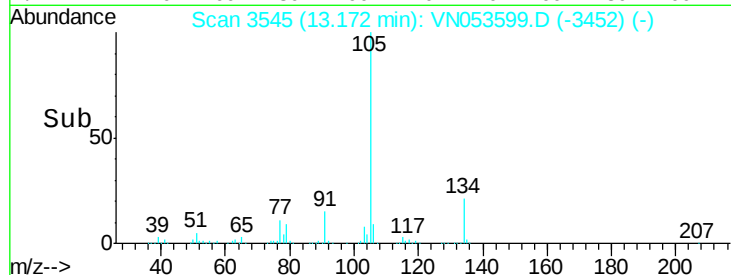
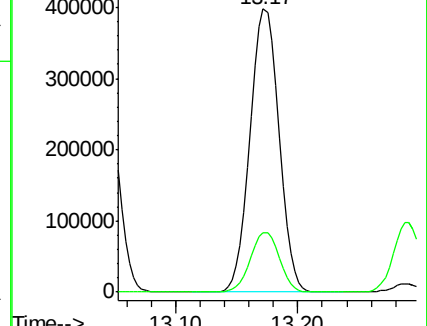
105 100

134 21.0 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: 20.152 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

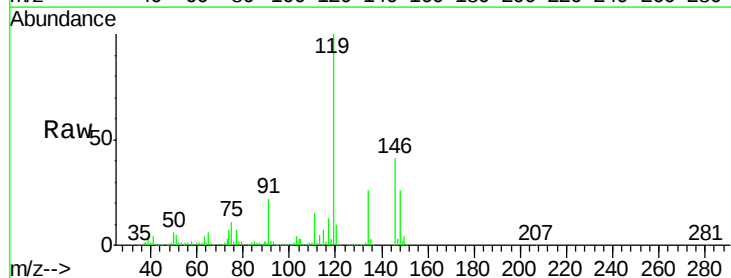
Tgt Ion:119 Resp: 570732

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

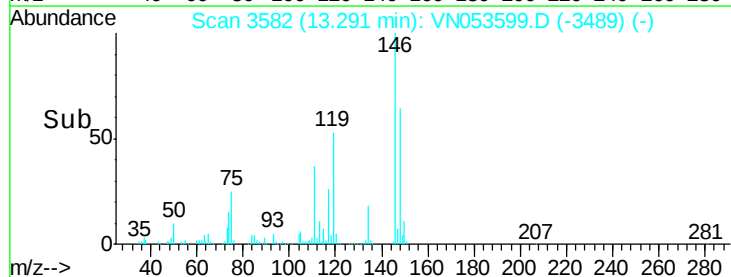
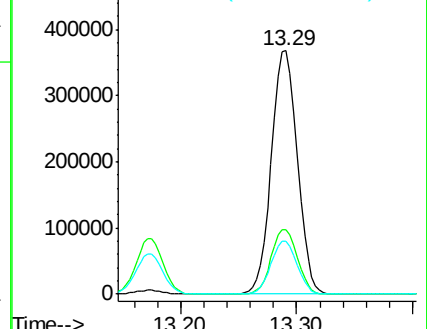
91 21.7 11.0 33.0



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

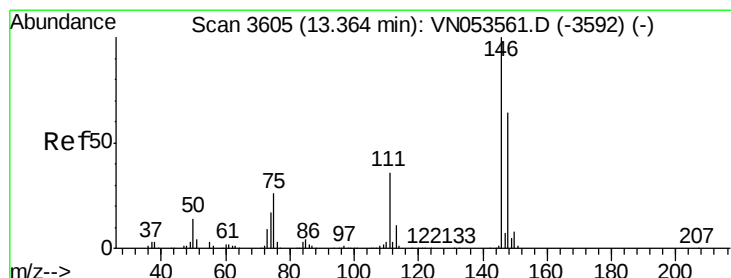
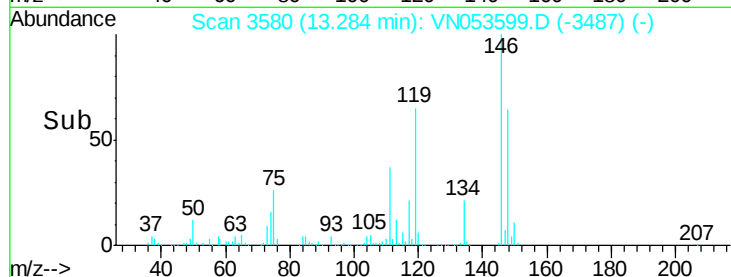
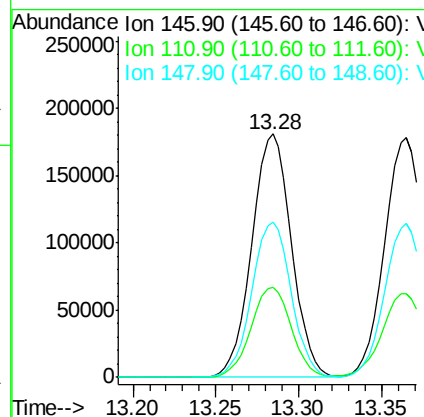
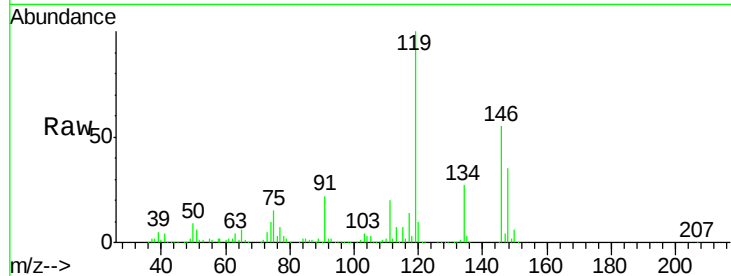




#87
 1,3-Dichlorobenzene
 Concen: 19.191 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

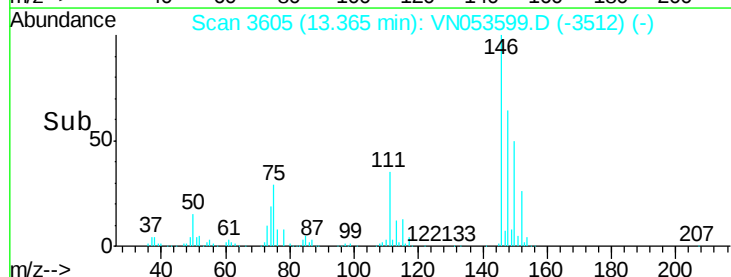
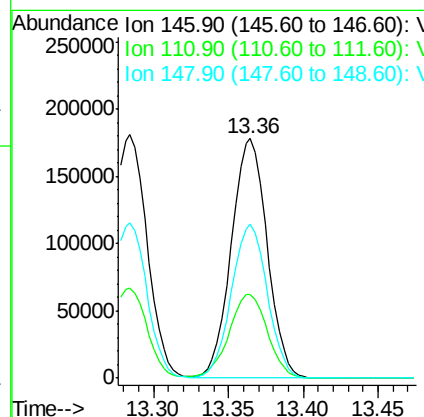
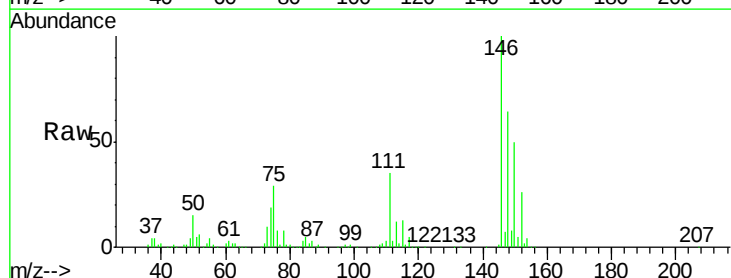
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

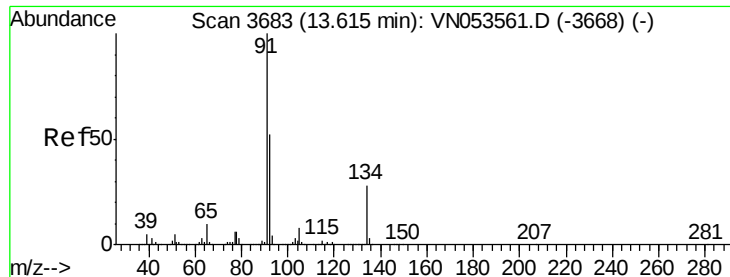
Tot Ion:146 Resp: 301875
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.3
 148 63.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.142 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion:146 Resp: 297850
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 55.8
 148 64.5 32.4 97.0





#89

n-Butylbenzene

Concen: 19.305 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

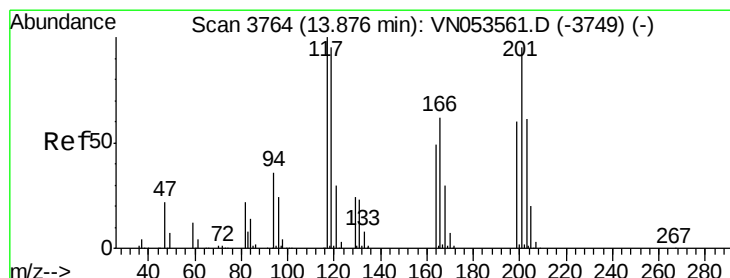
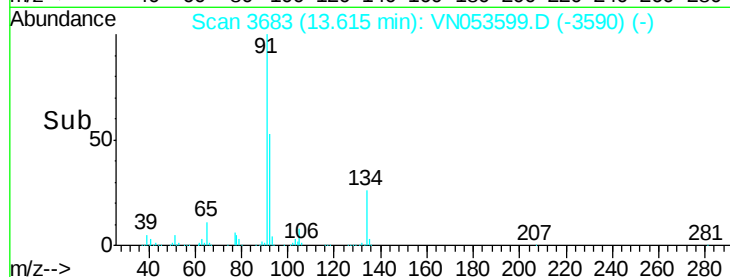
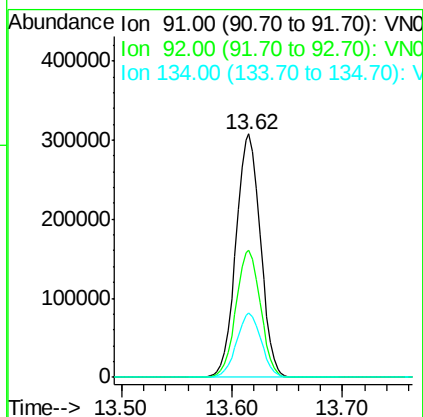
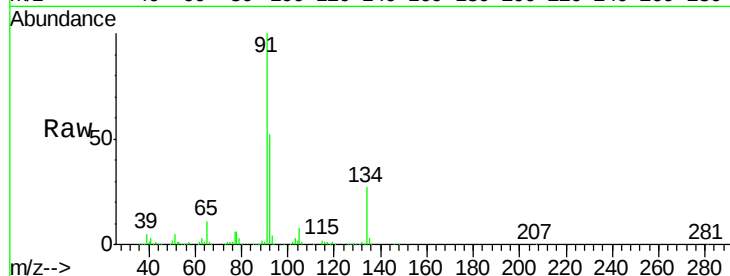
Tot Ion: 91 Resp: 473240

Ion Ratio Lower Upper

91 100

92 52.3 26.3 78.8

134 26.6 13.5 40.5



#90

Hexachloroethane

Concen: 18.834 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053599.D

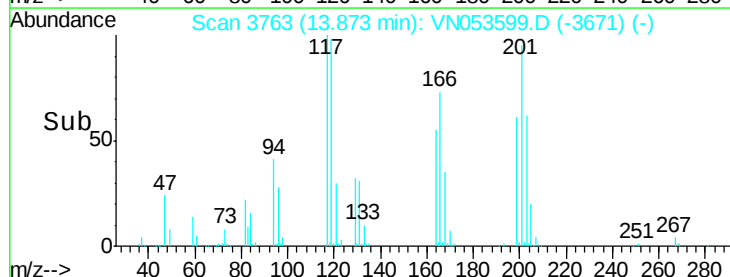
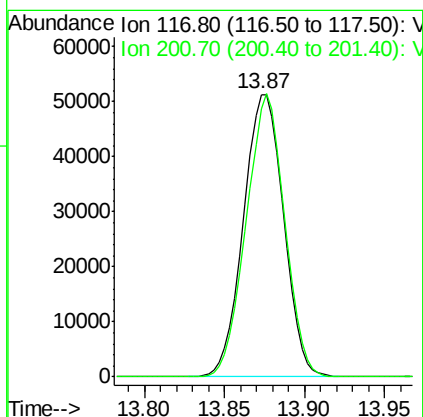
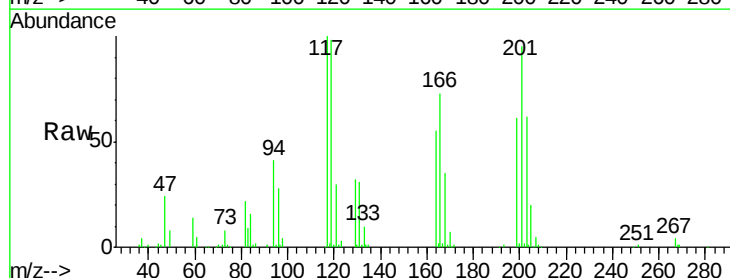
Acq: 4 Feb 2019 16:23

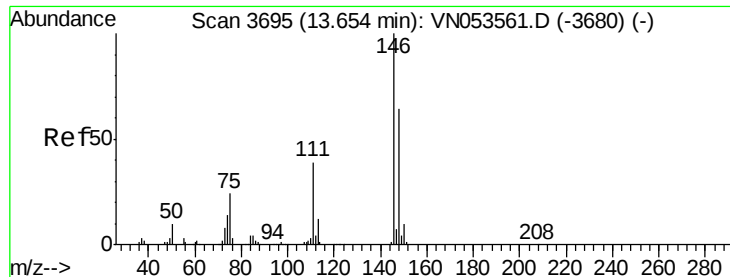
Tgt Ion: 117 Resp: 87981

Ion Ratio Lower Upper

117 100

201 95.9 46.8 140.4

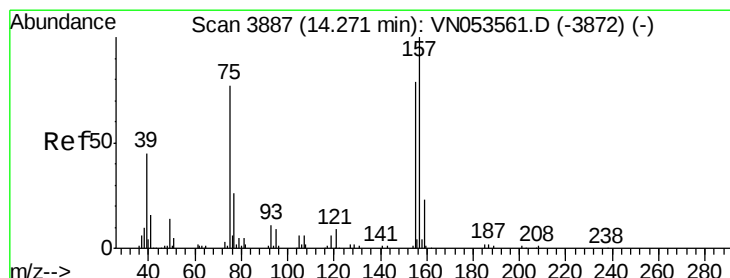
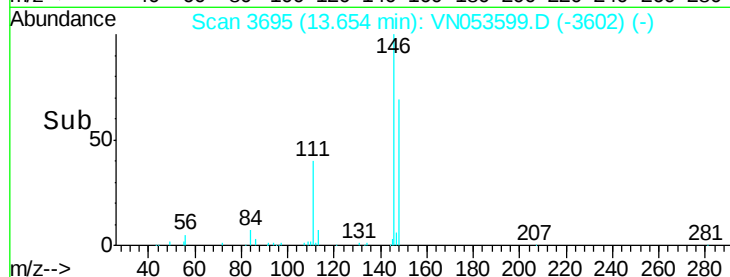
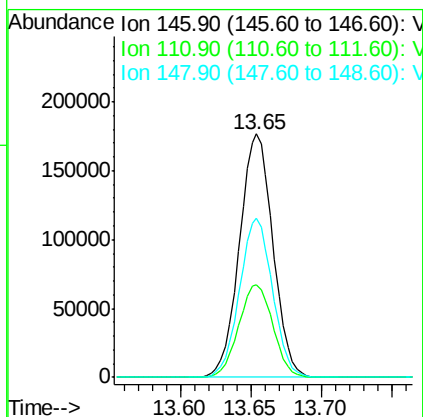
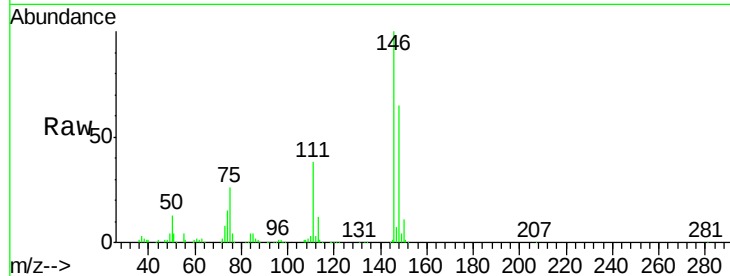




#91
 1,2-Dichlorobenzene
 Concen: 19.492 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

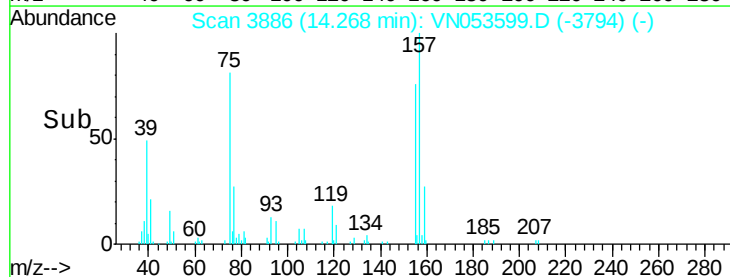
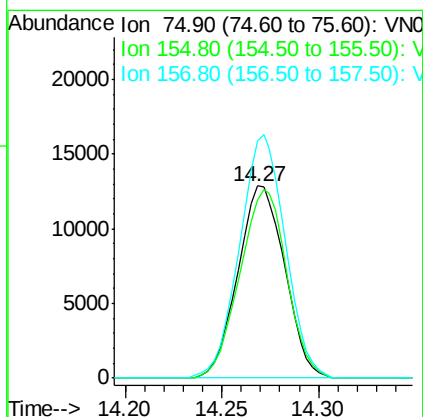
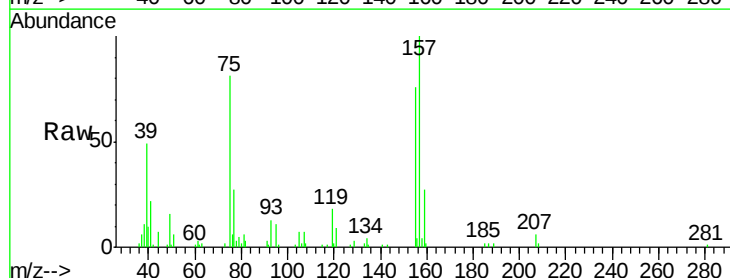
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.6	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.636 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	48.9	146.7
157	123.5	63.7	191.3

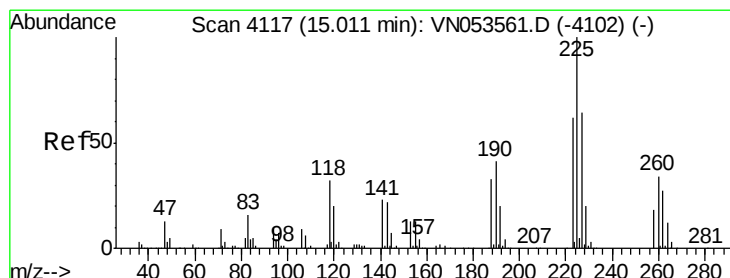
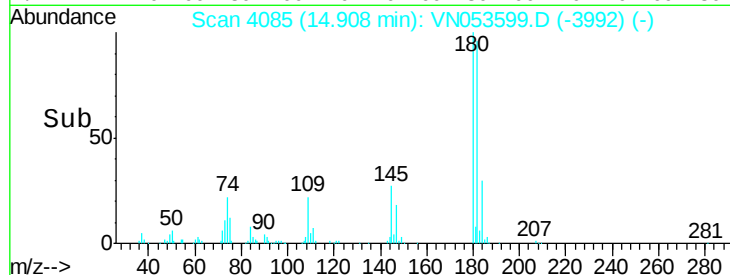
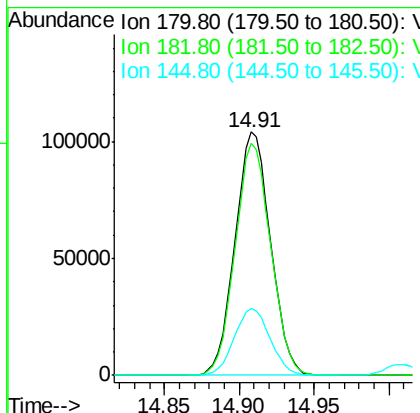
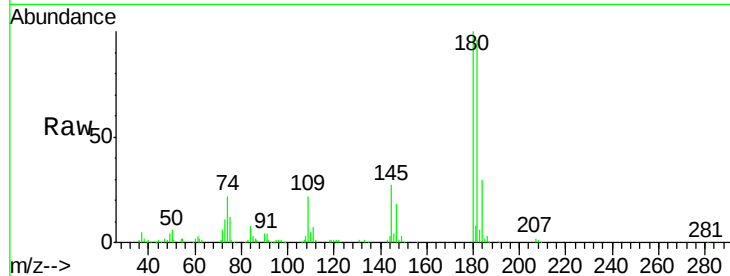




#93
 1,2,4-Trichlorobenzene
 Concen: 19.961 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

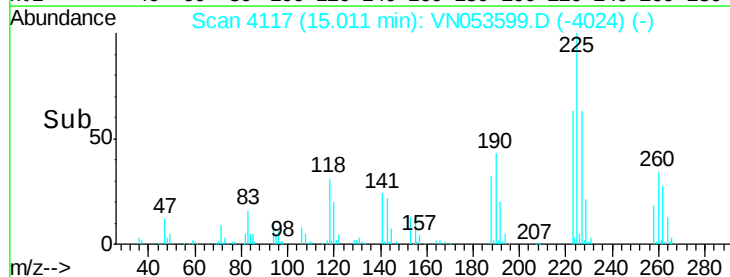
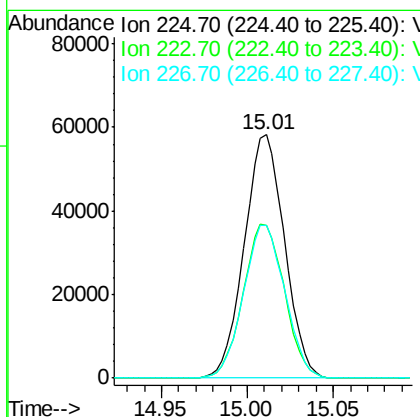
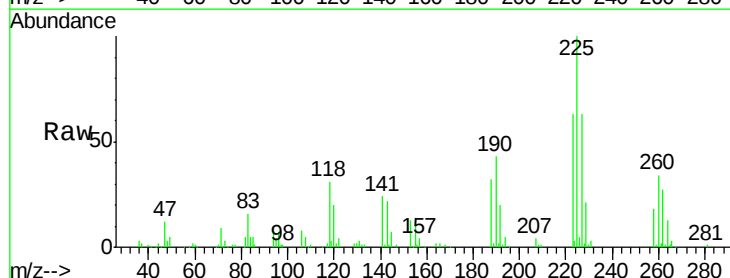
Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBSD01

Tot Ion:180 Resp: 172403
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.1 144.3
 145 27.7 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 17.618 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion:225 Resp: 94763
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.1 93.2
 227 64.3 32.0 96.2





#95

Naphthalene

Concen: 20.045 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

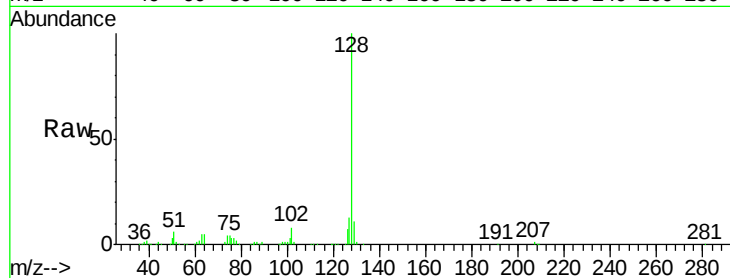
Tot Ion:128 Resp: 384821

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

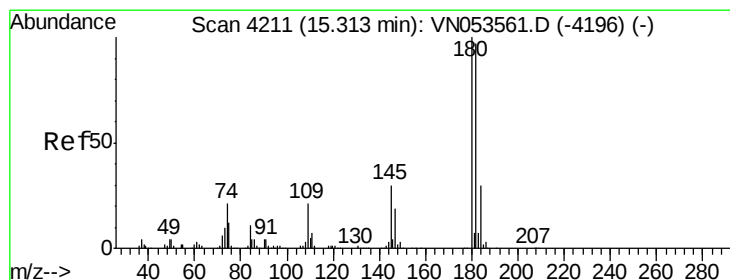
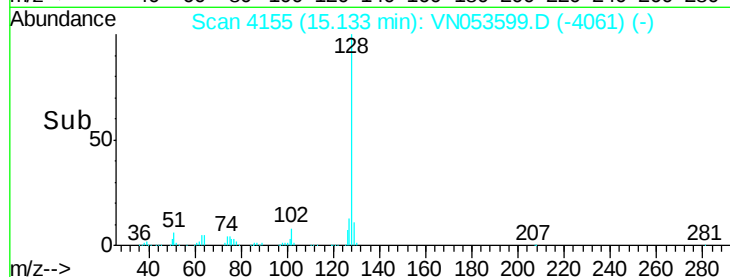
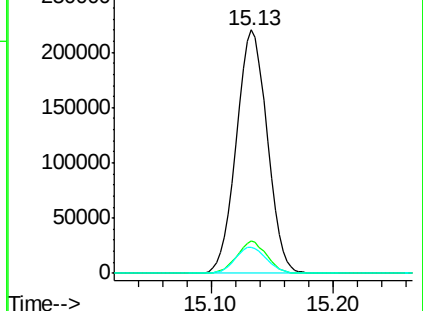
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.367 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

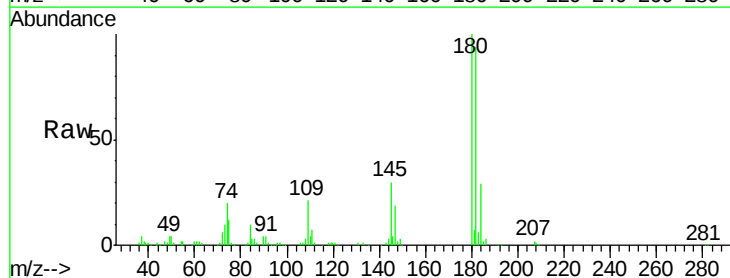
Tgt Ion:180 Resp: 163220

Ion Ratio Lower Upper

180 100

182 94.6 47.9 143.8

145 30.0 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

