

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013019\
 Data File : VN053568.D
 Acq On : 30 Jan 2019 13:41
 Operator : JC/SP
 Sample : VN0130WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

Quant Time: Jan 31 06:14:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 31 05:27:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	700603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1101217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	957870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	456988	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	355797	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
35) Dibromofluoromethane	7.59	113	340038	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
50) Toluene-d8	10.09	98	1255724	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.40	95	421749	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	159885	20.444	ug/l	99
3) Chloromethane	2.06	50	174714	21.005	ug/l	100
4) Vinyl Chloride	2.19	62	169796	21.029	ug/l	98
5) Bromomethane	2.57	94	109278	20.699	ug/l	98
6) Chloroethane	2.71	64	96156	20.840	ug/l	97
7) Trichlorofluoromethane	3.02	101	220626	20.150	ug/l	99
8) Diethyl Ether	3.41	74	81440	20.367	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136172	20.109	ug/l	99
10) Methyl Iodide	3.96	142	197497	18.582	ug/l	99
11) Tert butyl alcohol	4.78	59	46569	111.956	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	134452	20.724	ug/l	99
13) Acrolein	3.61	56	30306	198.343	ug/l	99
14) Allyl chloride	4.33	41	213356	20.654	ug/l	100
15) Acrylonitrile	4.99	53	244978	109.095	ug/l	100
16) Acetone	3.82	43	196838	109.184	ug/l	98
17) Carbon Disulfide	4.06	76	401334	19.867	ug/l	100
18) Methyl Acetate	4.33	43	111446	20.874	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	348625	21.197	ug/l	99
20) Methylene Chloride	4.55	84	152807	20.203	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	144463	20.639	ug/l	96
22) Diisopropyl ether	5.95	45	397911	20.789	ug/l	96
23) Vinyl Acetate	5.90	43	1430492	108.034	ug/l	99
24) 1,1-Dichloroethane	5.85	63	258478	20.247	ug/l	99
25) 2-Butanone	6.84	43	281584	109.515	ug/l	99
26) 2,2-Dichloropropane	6.82	77	195266	20.037	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	159810	20.533	ug/l	99
28) Bromochloromethane	7.20	49	116181	20.971	ug/l	98
29) Tetrahydrofuran	7.21	42	184192	111.561	ug/l	99
30) Chloroform	7.37	83	256305	20.253	ug/l	99
31) Cyclohexane	7.65	56	240072	20.096	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	214237	20.342	ug/l	99
36) 1,1-Dichloropropene	7.80	75	194524	19.596	ug/l	99
37) Ethyl Acetate	6.93	43	120014	21.647	ug/l	97
38) Carbon Tetrachloride	7.78	117	189397	18.939	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	225654	19.160	ug/l	99
40) Benzene	8.04	78	601298	19.643	ug/l	100
41) Methacrylonitrile	7.17	41	64192	20.716	ug/l	91
42) 1,2-Dichloroethane	8.13	62	174226	19.168	ug/l	99
43) Isopropyl Acetate	8.17	43	218538	20.411	ug/l	98
44) Trichloroethene	8.84	130	166552	19.111	ug/l	98
45) 1,2-Dichloropropane	9.12	63	155767	19.894	ug/l	99
46) Dibromomethane	9.21	93	92674	19.635	ug/l	97
47) Bromodichloromethane	9.40	83	194083	19.777	ug/l	98
48) Methyl methacrylate	9.20	41	99125	19.395	ug/l	93
49) 1,4-Dioxane	9.20	88	29459	421.336	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	562106	106.836	ug/l	100
52) Toluene	10.16	92	362867	19.973	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	190051	19.340	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	225600	19.374	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	131913	20.150	ug/l	99
56) Ethyl methacrylate	10.43	69	164680	21.264	ug/l	97
57) 1,3-Dichloropropane	10.71	76	223136	19.943	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	451517	99.004	ug/l	100
59) 2-Hexanone	10.75	43	383140	107.267	ug/l	99
60) Dibromochloromethane	10.90	129	143993	19.505	ug/l	100
61) 1,2-Dibromoethane	11.01	107	127107	19.616	ug/l	99
64) Tetrachloroethene	10.63	164	159303	19.401	ug/l	99
65) Chlorobenzene	11.44	112	397549	19.539	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	139400	19.618	ug/l	99
67) Ethyl Benzene	11.51	91	659484	19.732	ug/l	99
68) m/p-Xylenes	11.62	106	510924	40.053	ug/l	100
69) o-Xylene	11.95	106	247736	20.103	ug/l	99
70) Styrene	11.97	104	405639	20.308	ug/l	99
71) Bromoform	12.13	173	96125	19.732	ug/l #	100
73) Isopropylbenzene	12.25	105	644368	20.058	ug/l	100
74) N-amyl acetate	12.07	43	163195	21.125	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	156549	20.361	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	194308	33.103	ug/l #	100
77) Bromobenzene	12.53	156	172378	19.909	ug/l	100
78) n-propylbenzene	12.59	91	743331	20.016	ug/l	100
79) 2-Chlorotoluene	12.68	91	443583	20.133	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	552044	20.722	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40795	19.543	ug/l	97
82) 4-Chlorotoluene	12.77	91	451160	19.955	ug/l	99
83) tert-Butylbenzene	12.99	119	477045	20.261	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	556579	20.507	ug/l	100
85) sec-Butylbenzene	13.17	105	655569	20.461	ug/l	99
86) p-Isopropyltoluene	13.29	119	570695	20.366	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	306553	19.696	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	300674	19.529	ug/l	99
89) n-Butylbenzene	13.62	91	482187	19.880	ug/l	100
90) Hexachloroethane	13.88	117	88509	19.149	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	298465	20.031	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23730	21.657	ug/l	98

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Quant Title : SW846 8260
QLast Update : Thu Jan 31 05:27:12 2019
Response via : Initial Calibration

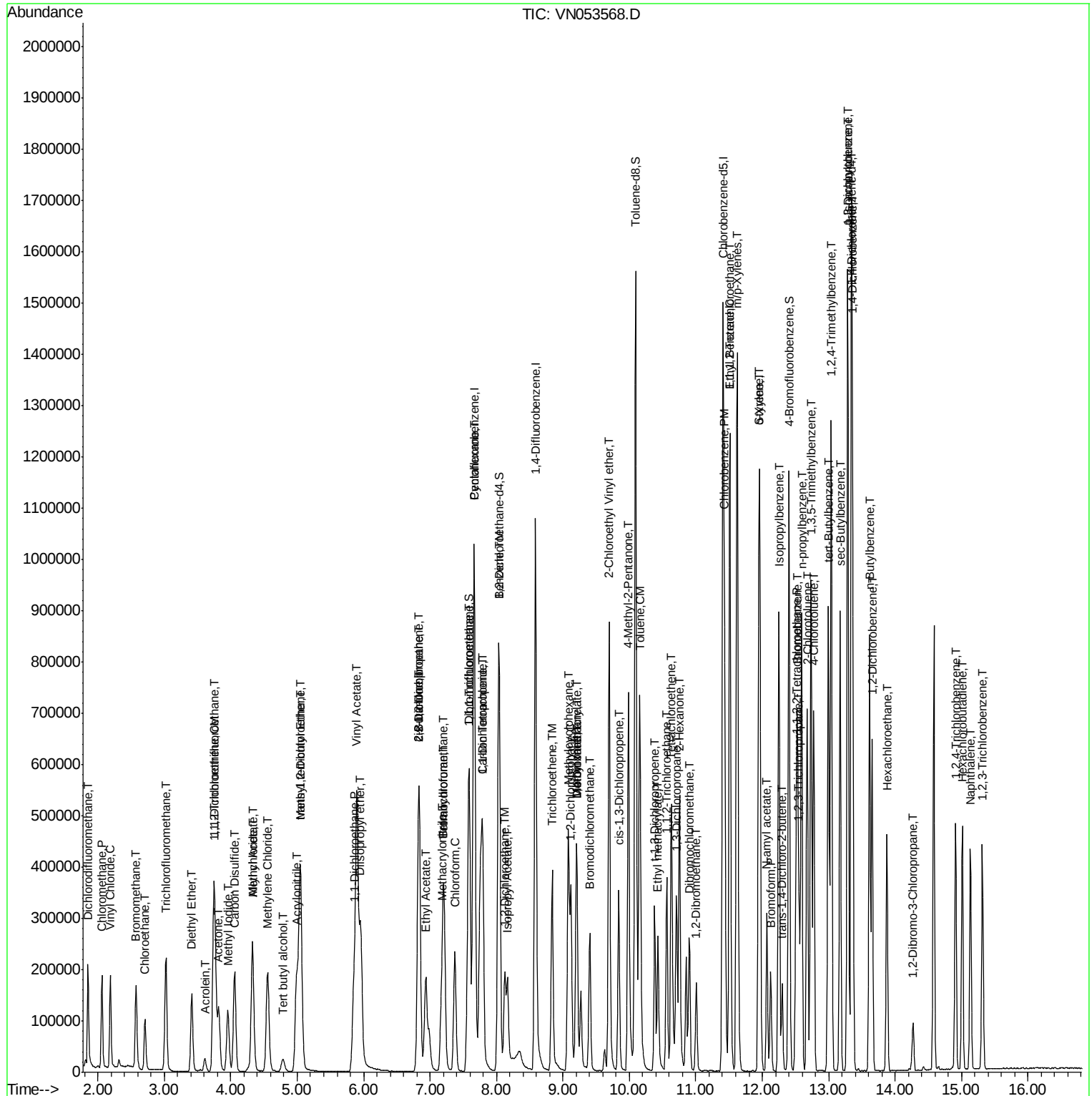
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	175573	20.545	ug/l	99
94) Hexachlorobutadiene	15.01	225	104972	19.724	ug/l	98
95) Naphthalene	15.13	128	373633	19.702	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	163706	20.645	ug/l	99

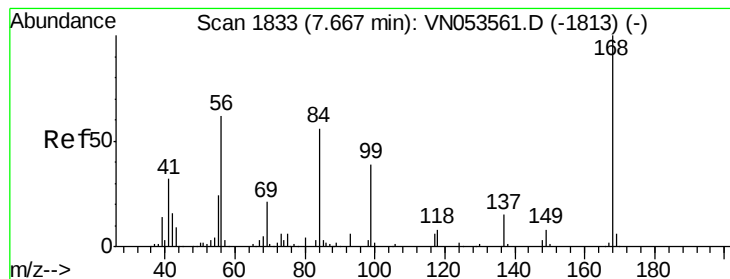
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

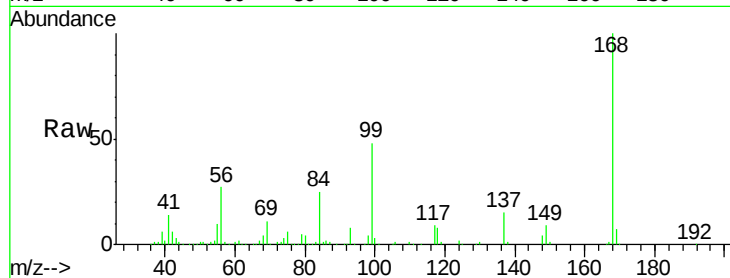
VN0130WBS01

Tot Ion:168 Resp: 700603

Ion Ratio Lower Upper

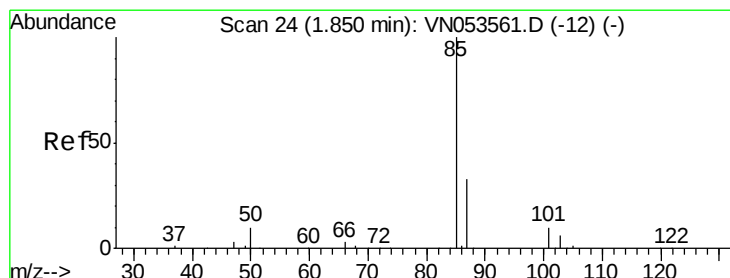
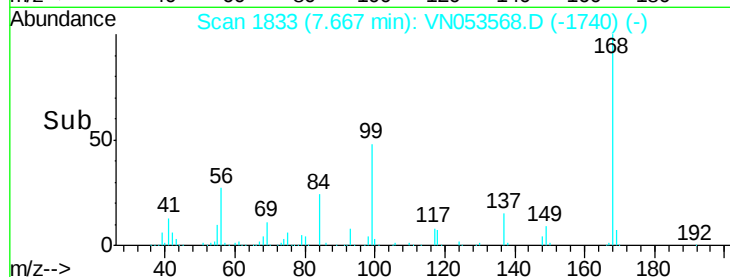
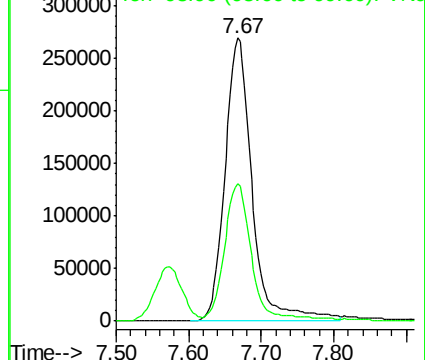
168 100

99 47.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.444 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053568.D

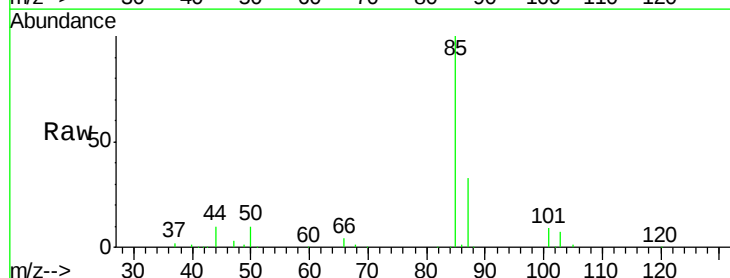
Acq: 30 Jan 2019 13:41

Tgt Ion: 85 Resp: 159885

Ion Ratio Lower Upper

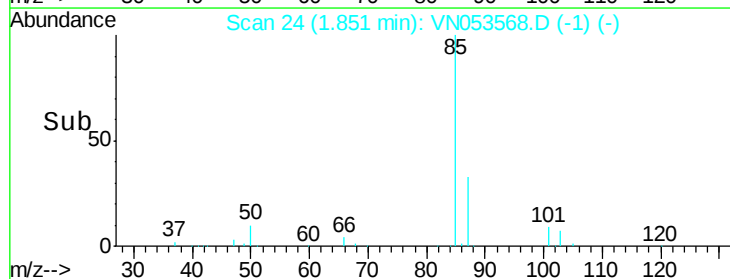
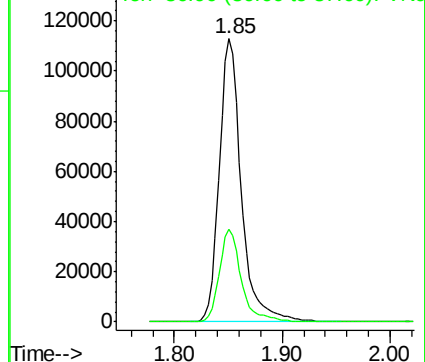
85 100

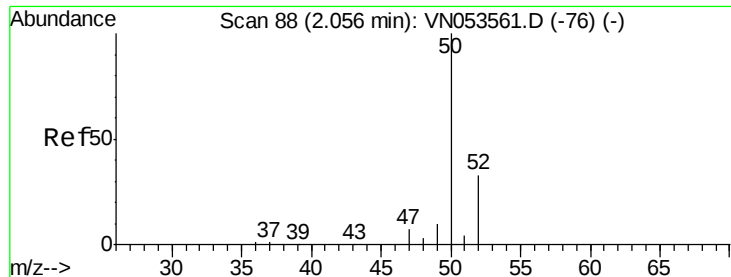
87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 21.005 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

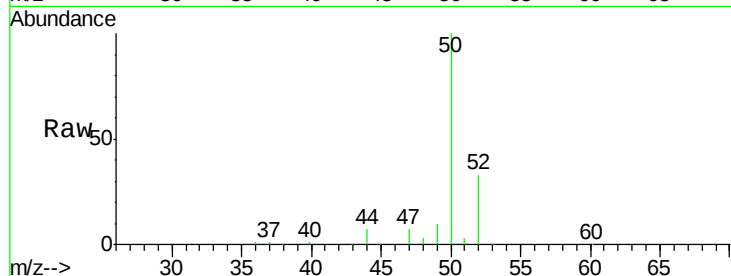
VN0130WBS01

Tot Ion: 50 Resp: 174714

Ion Ratio Lower Upper

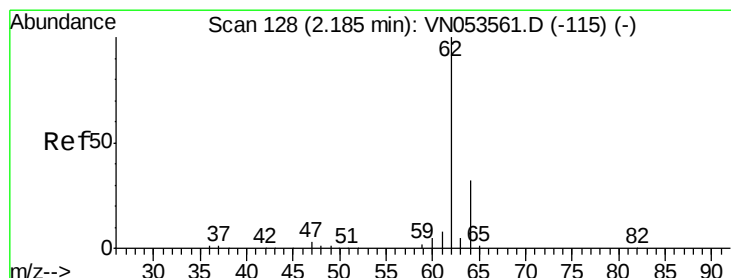
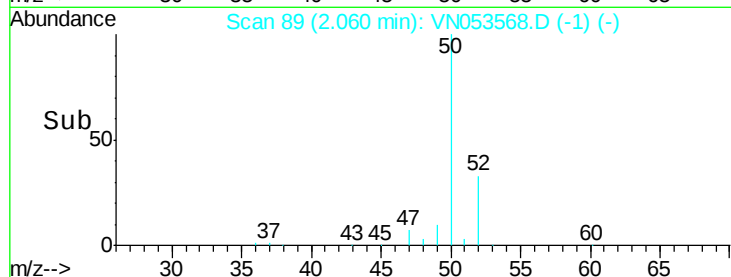
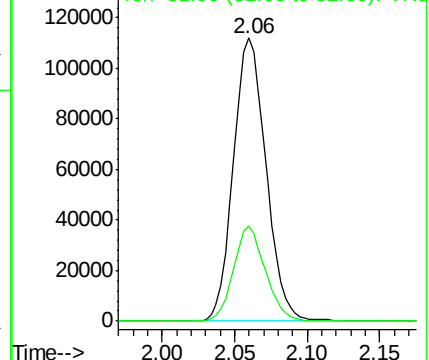
50 100

52 33.5 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 21.029 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053568.D

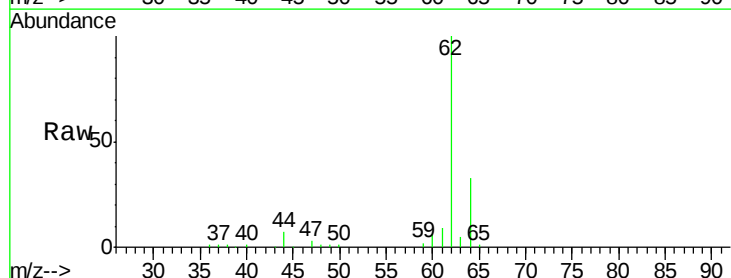
Acq: 30 Jan 2019 13:41

Tgt Ion: 62 Resp: 169796

Ion Ratio Lower Upper

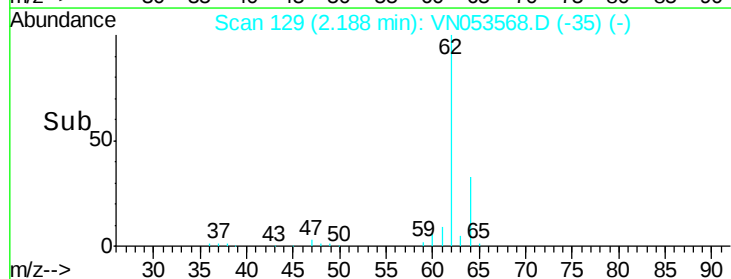
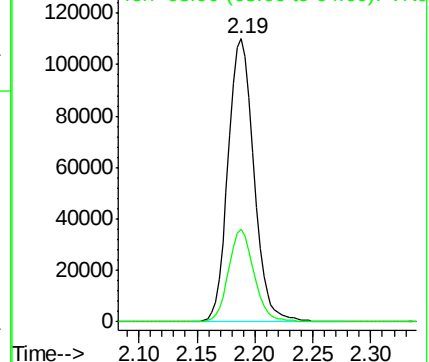
62 100

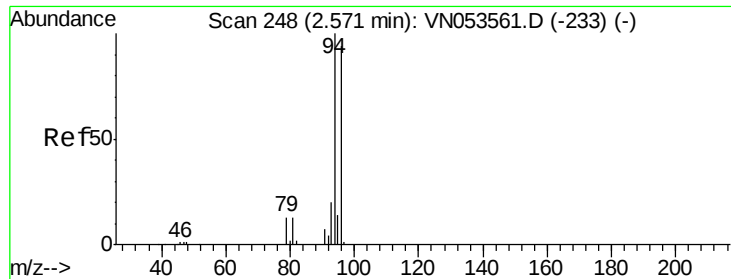
64 32.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.699 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

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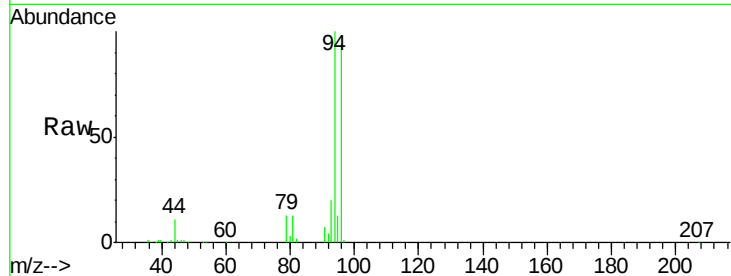
VN0130WBS01

Tot Ion: 94 Resp: 109278

Ion Ratio Lower Upper

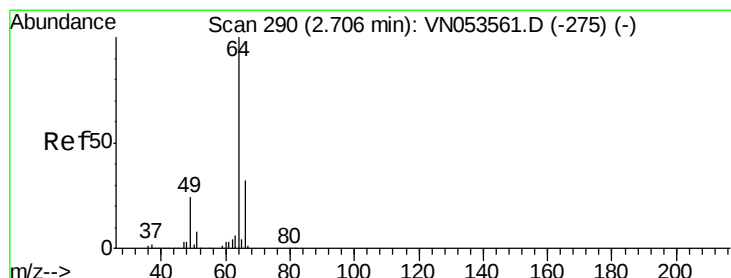
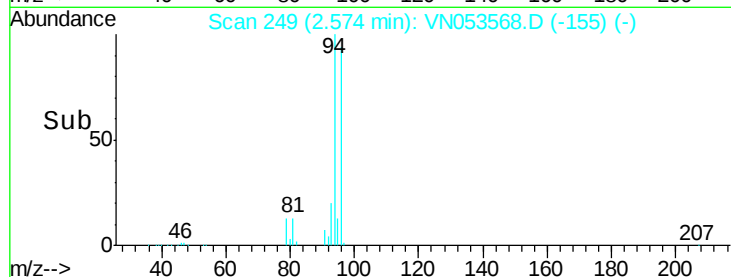
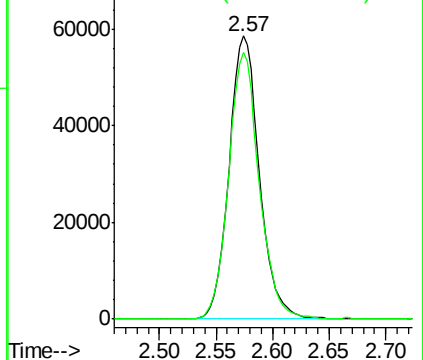
94 100

96 94.3 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.840 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053568.D

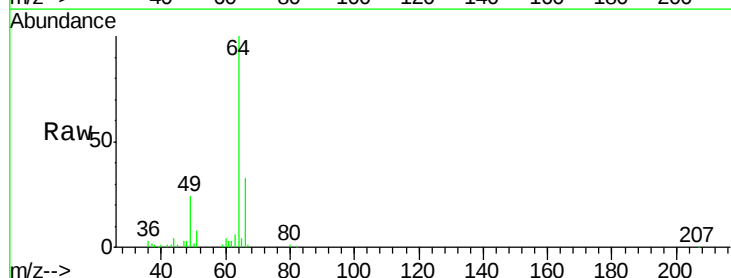
Acq: 30 Jan 2019 13:41

Tgt Ion: 64 Resp: 96156

Ion Ratio Lower Upper

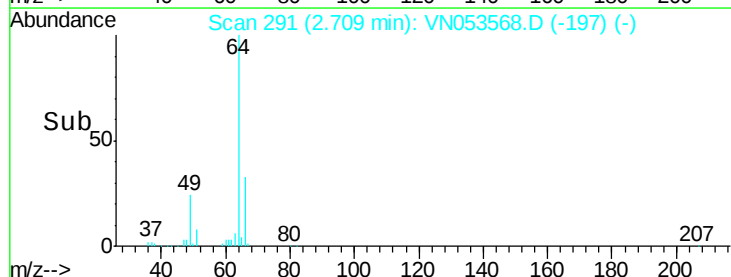
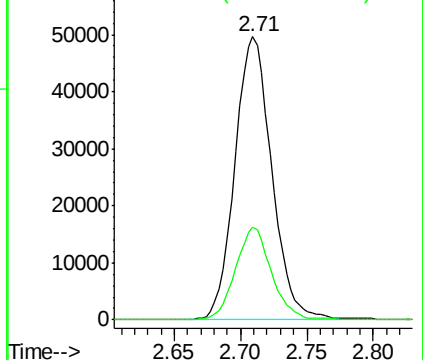
64 100

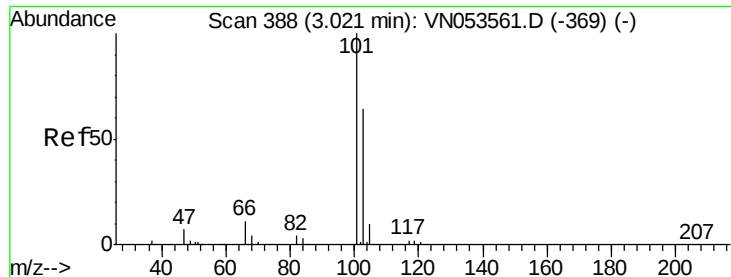
66 32.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



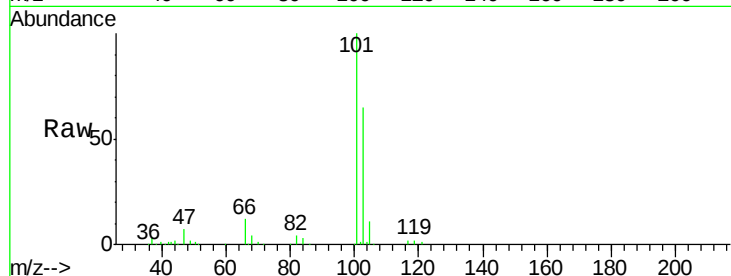


#7

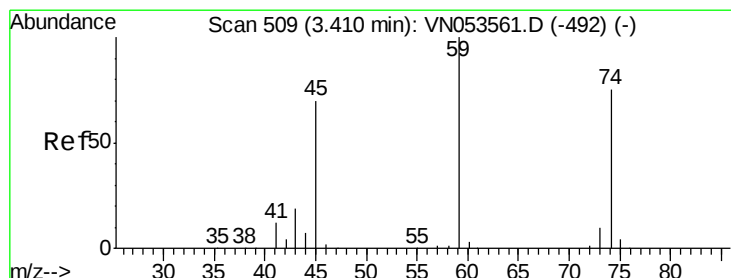
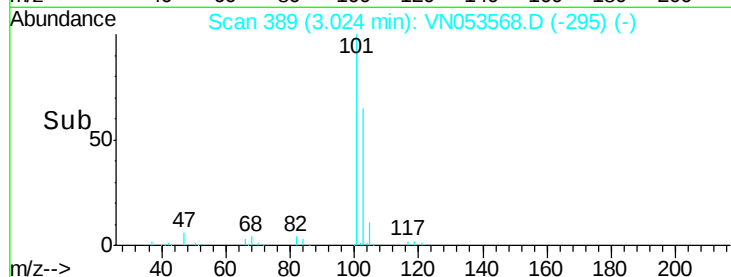
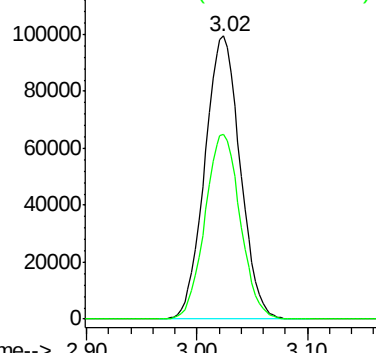
Trichlorofluoromethane
Concen: 20.150 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Instrument :
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Tot Ion:101 Resp: 220626
Ion Ratio Lower Upper
101 100
103 65.5 51.6 77.4



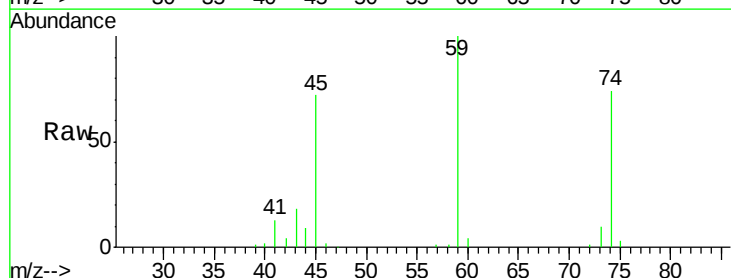
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



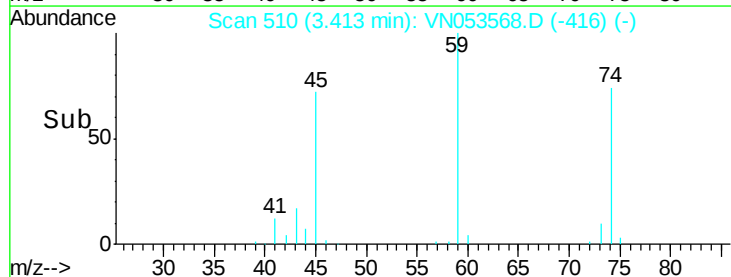
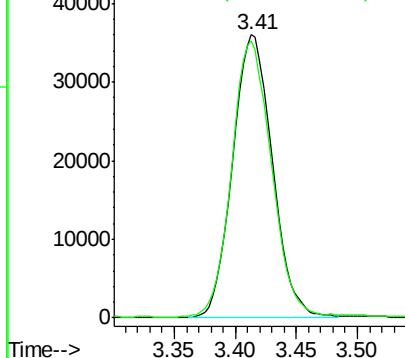
#8

Diethyl Ether
Concen: 20.367 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Tgt Ion: 74 Resp: 81440
Ion Ratio Lower Upper
74 100
45 98.5 47.9 143.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.109 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

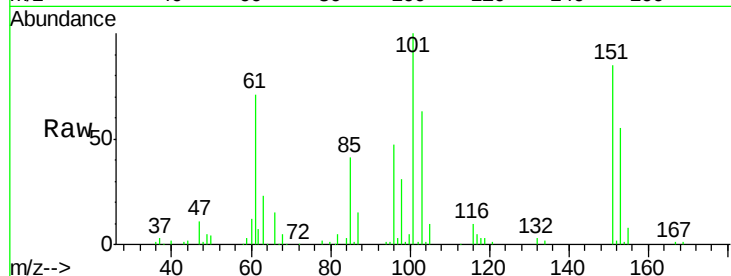
Tot Ion:101 Resp: 136172

Ion Ratio Lower Upper

101 100

85 41.0 32.8 49.2

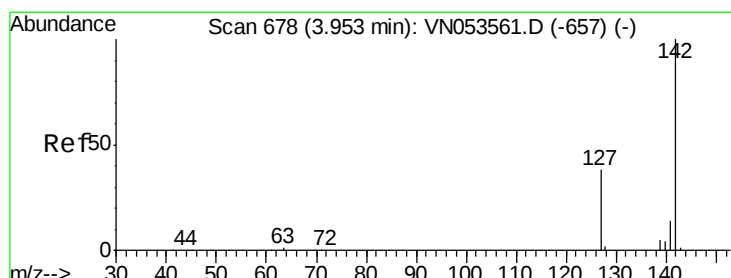
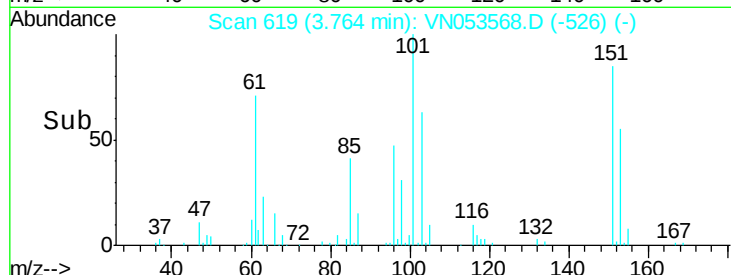
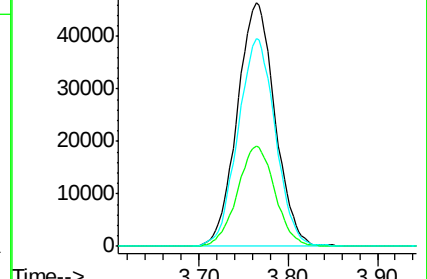
151 84.7 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.582 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

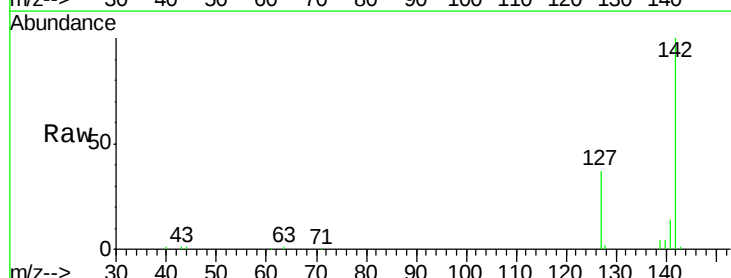
Tgt Ion:142 Resp: 197497

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.4

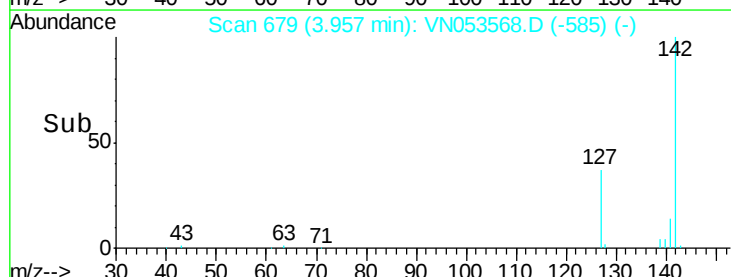
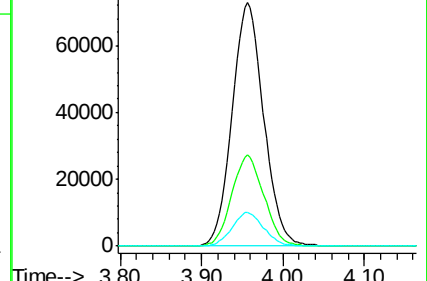
141 14.0 11.1 16.7

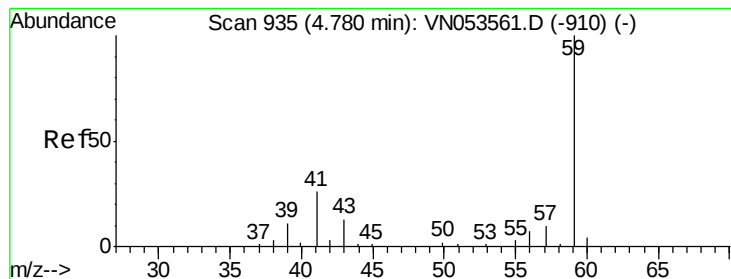


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



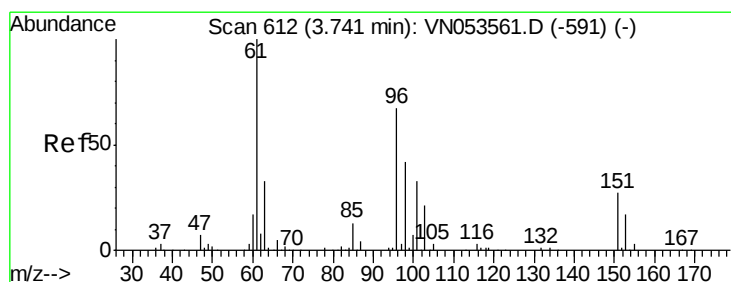
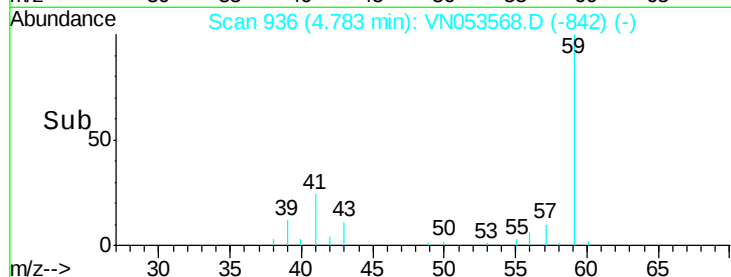
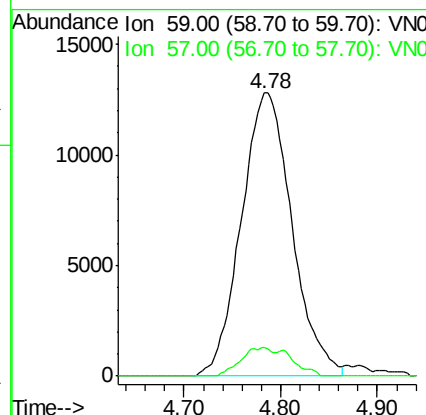
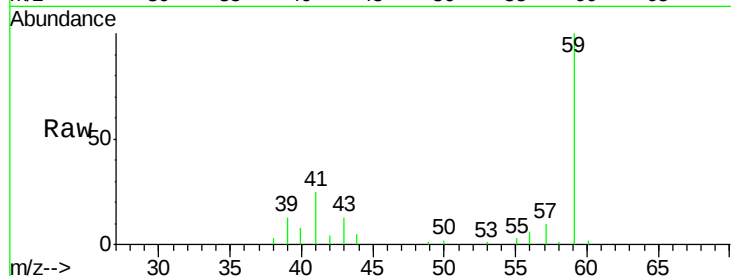


#11

Tert butyl alcohol
 Concen: 111.956 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

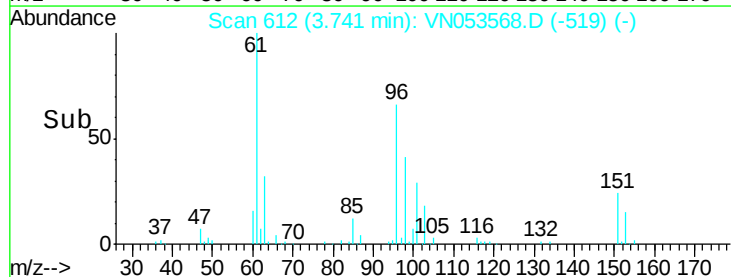
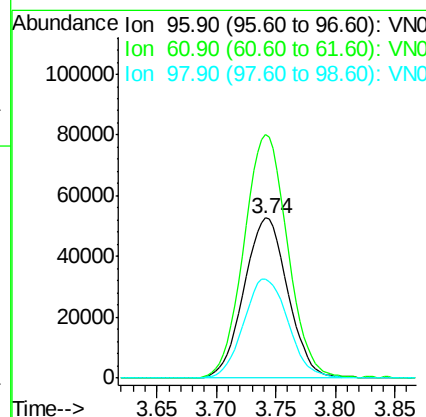
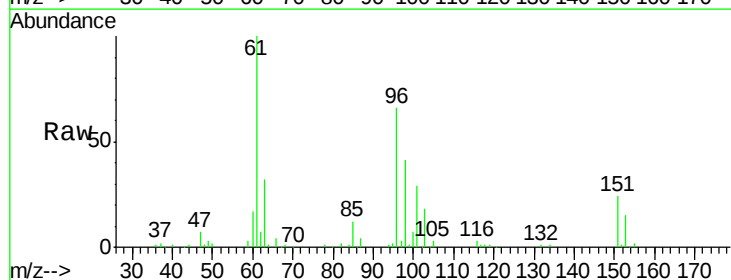
Tot Ion: 59 Resp: 46569
 Ion Ratio Lower Upper
 59 100
 57 6.2 8.2 12.4#

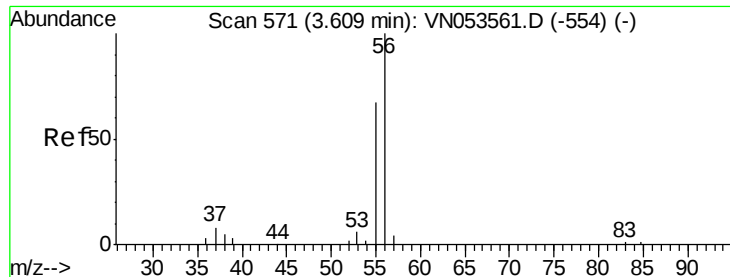


#12

1,1-Dichloroethene
 Concen: 20.724 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

Tgt Ion: 96 Resp: 134452
 Ion Ratio Lower Upper
 96 100
 61 152.3 122.9 184.3
 98 62.0 49.4 74.0





#13

Acrolein

Concen: 198.343 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

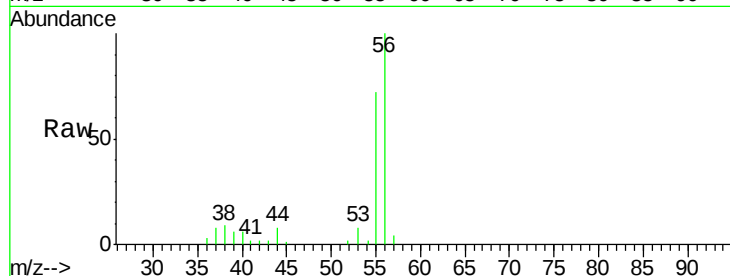
VN0130WBS01

Tot Ion: 56 Resp: 30306

Ion Ratio Lower Upper

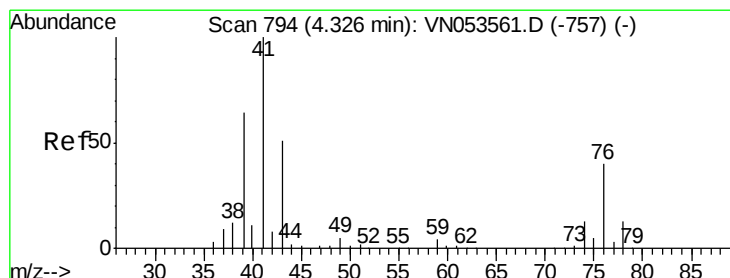
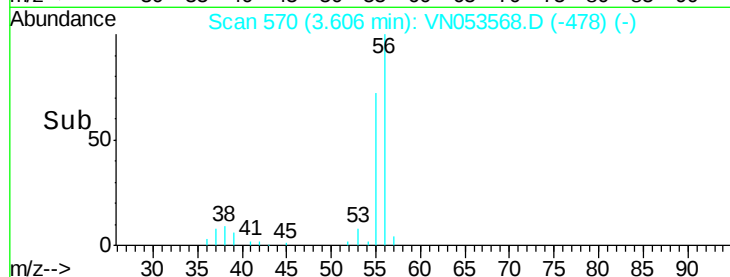
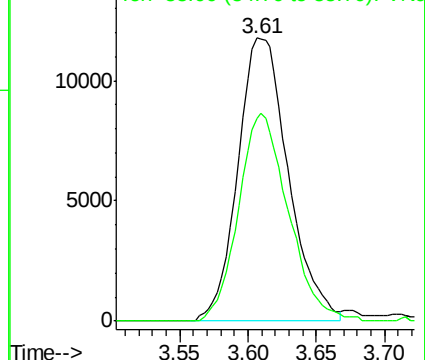
56 100

55 72.2 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: 20.654 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

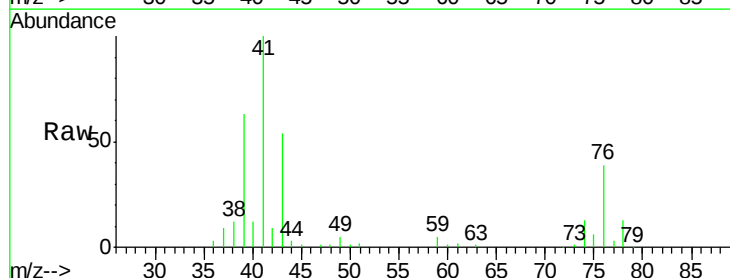
Tgt Ion: 41 Resp: 213356

Ion Ratio Lower Upper

41 100

39 61.3 48.9 73.3

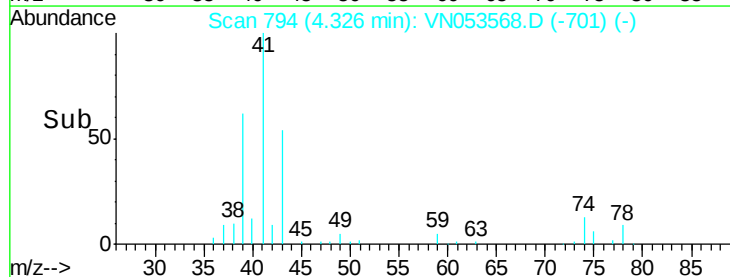
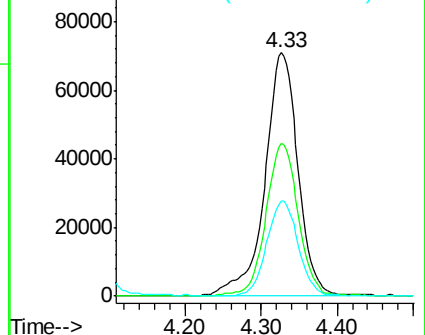
76 36.7 29.4 44.2



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: 109.095 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

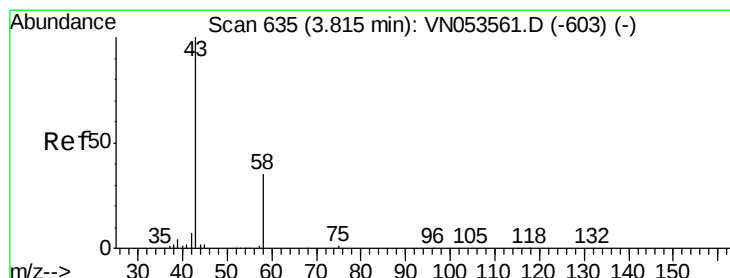
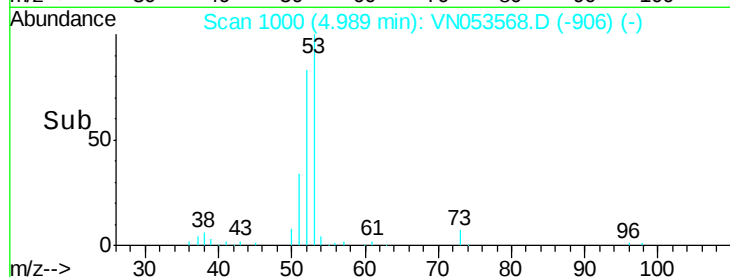
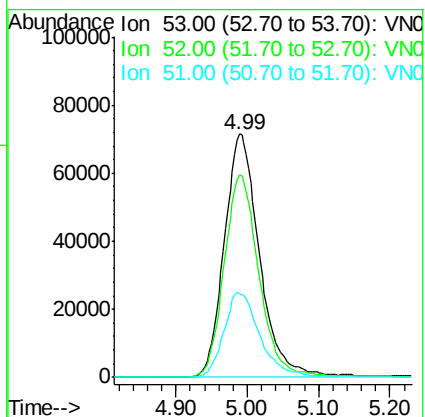
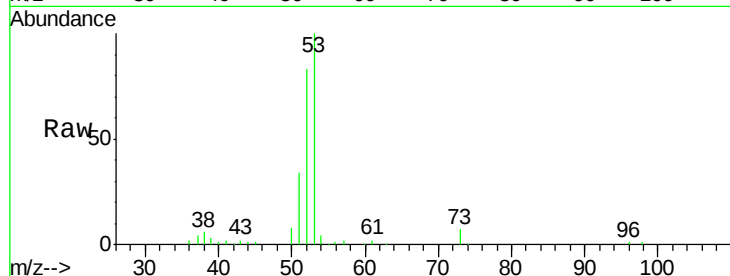
Tot Ion: 53 Resp: 244978

Ion Ratio Lower Upper

53 100

52 82.4 66.0 99.0

51 36.0 28.3 42.5



#16

Acetone

Concen: 109.184 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053568.D

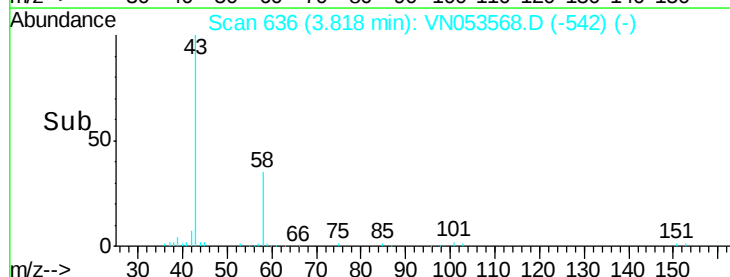
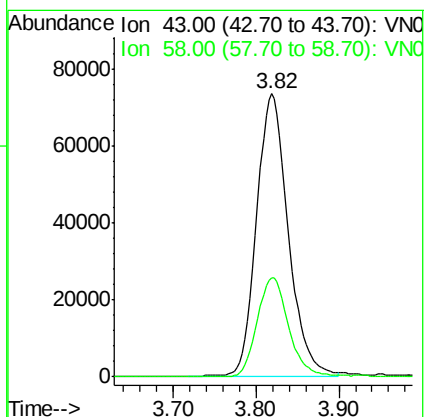
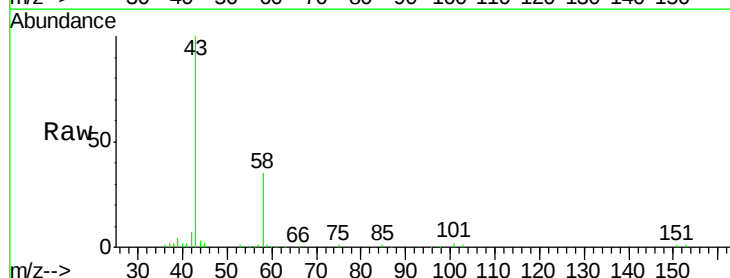
Acq: 30 Jan 2019 13:41

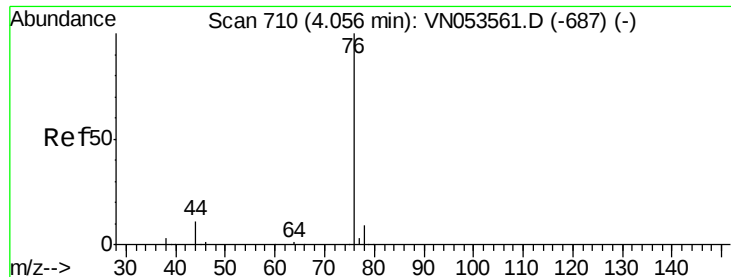
Tgt Ion: 43 Resp: 196838

Ion Ratio Lower Upper

43 100

58 35.2 27.1 40.7

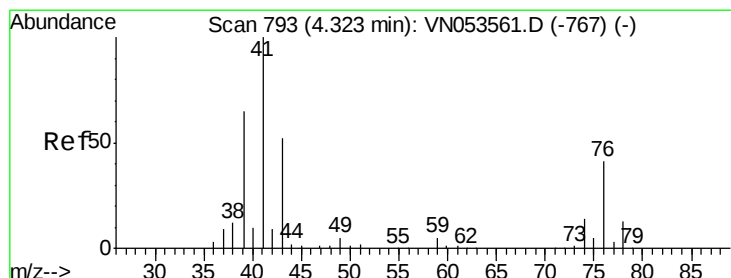
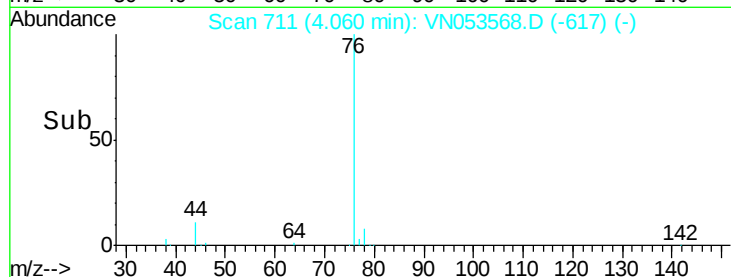
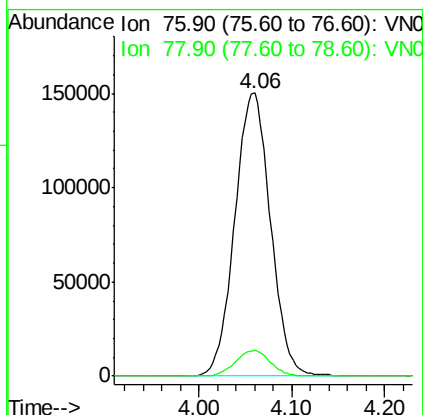
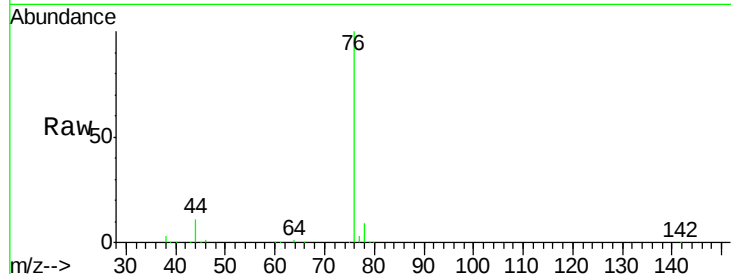




#17
Carbon Disulfide
Concen: 19.867 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

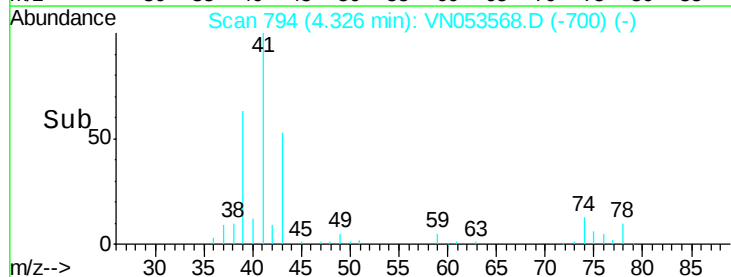
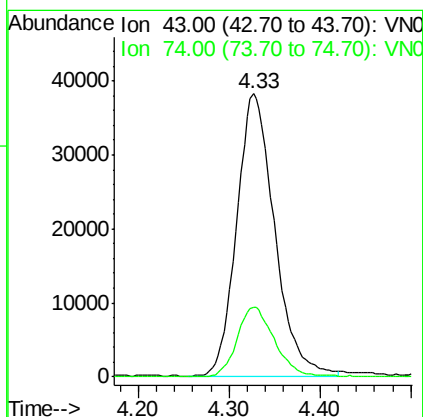
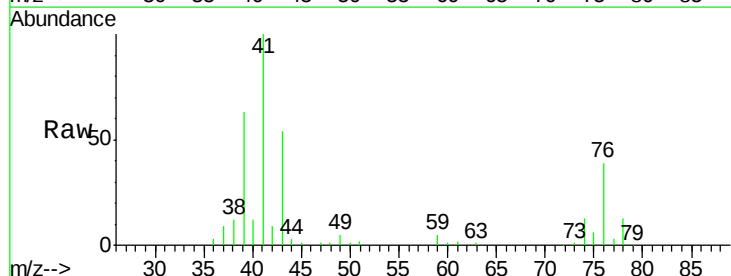
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

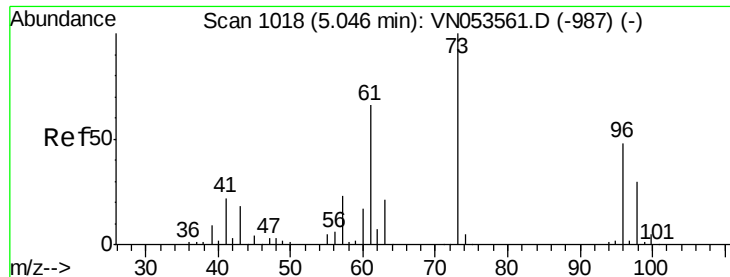
Tot Ion: 76 Resp: 401334
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 20.874 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Tgt Ion: 43 Resp: 111446
Ion Ratio Lower Upper
43 100
74 24.1 19.4 29.2

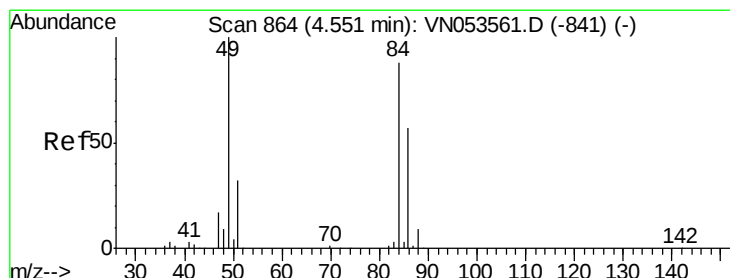
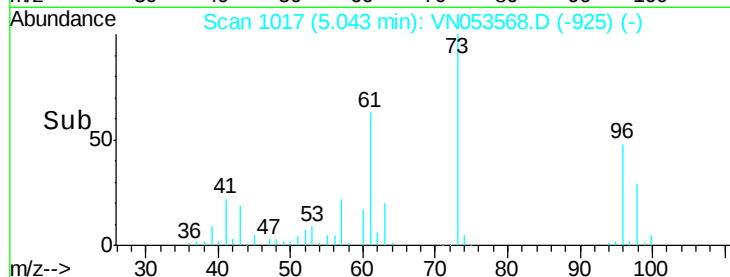
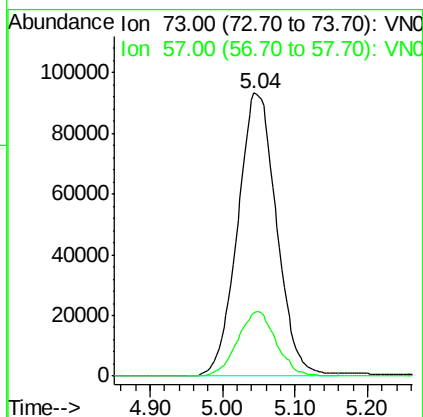
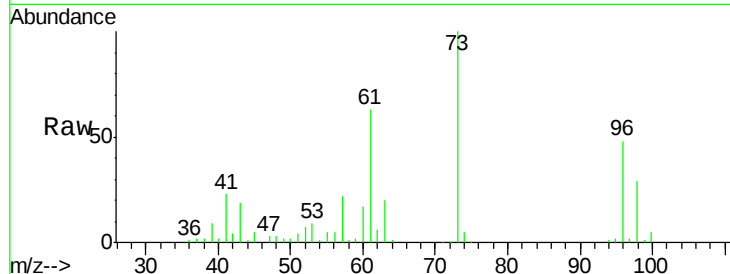




#19
Methvl tert-butvl Ether
Concen: 21.197 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

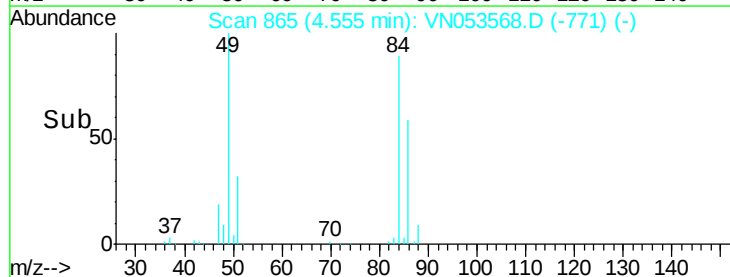
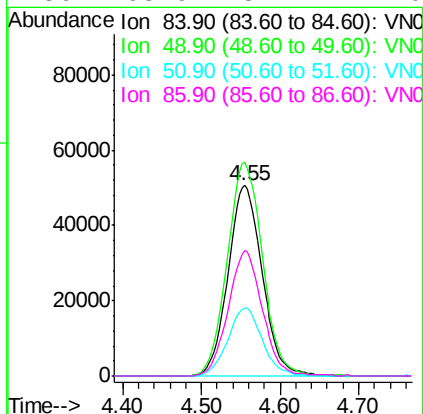
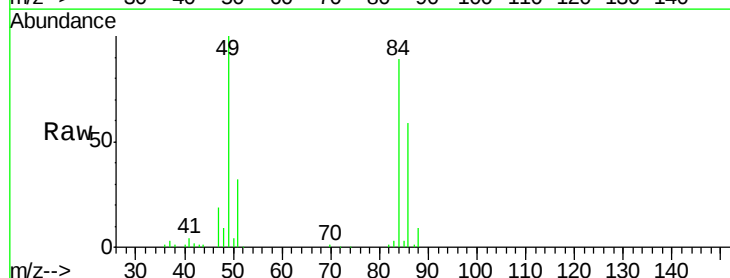
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

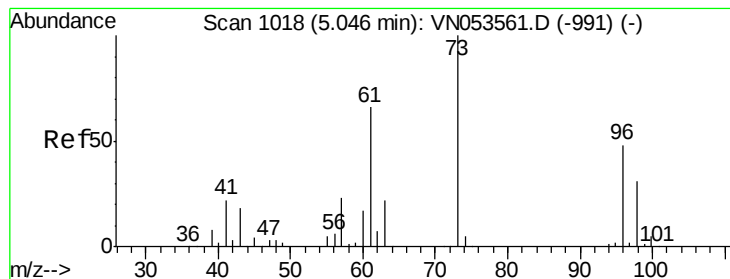
Tot Ion: 73 Resp: 348625
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5



#20
Methylene Chloride
Concen: 20.203 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Tgt Ion: 84 Resp: 152807
Ion Ratio Lower Upper
84 100
49 112.3 94.3 141.5
51 35.5 29.4 44.2
86 65.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.639 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

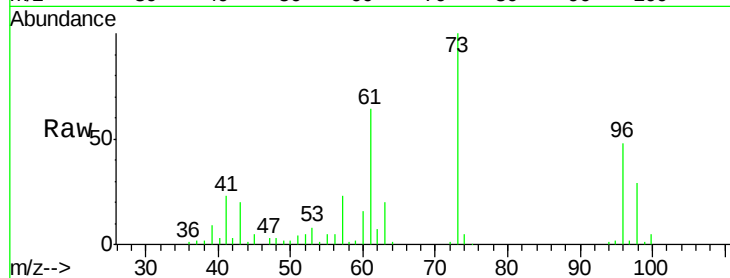
Tot Ion: 96 Resp: 144463

Ion Ratio Lower Upper

96 100

61 132.8 110.1 165.1

98 60.6 50.0 75.0

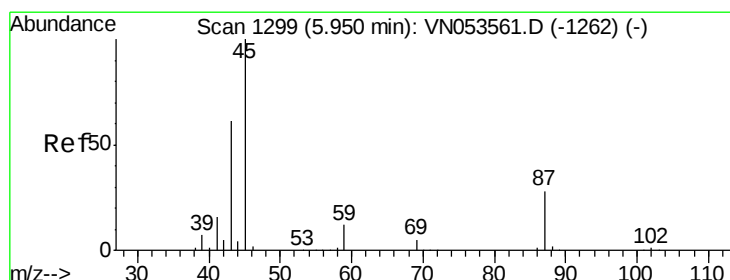
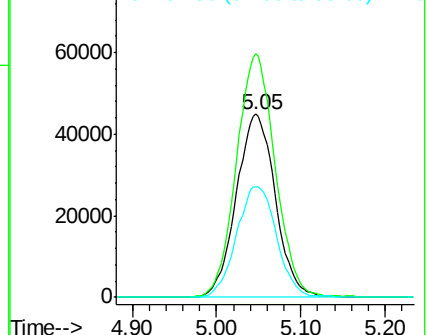
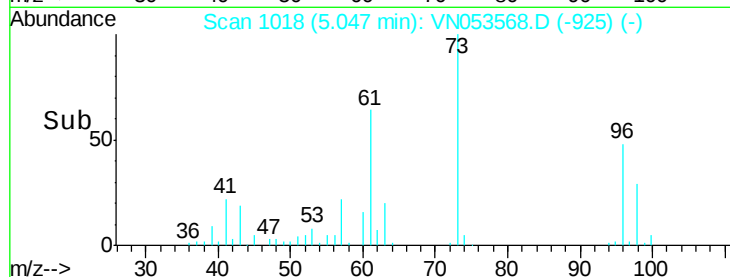


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.789 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Tgt Ion: 45 Resp: 397911

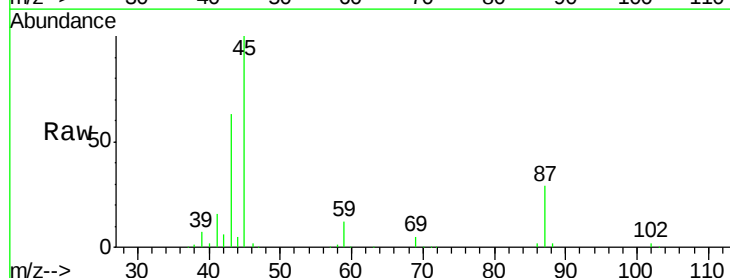
Ion Ratio Lower Upper

45 100

43 60.2 44.2 66.4

87 28.5 22.7 34.1

59 11.7 9.4 14.2



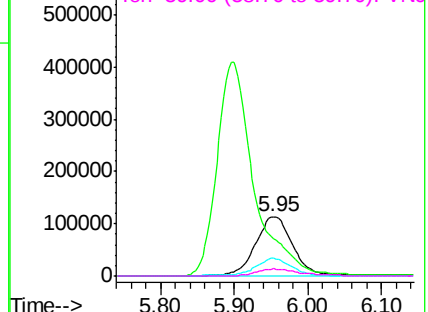
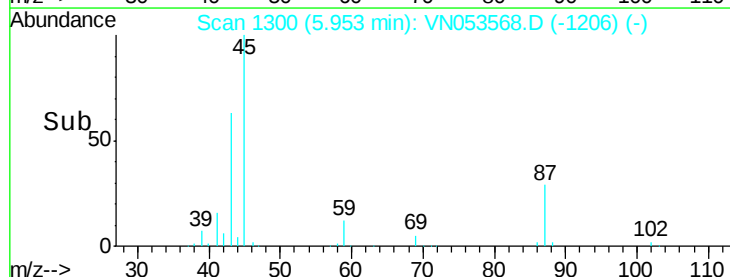
Abundance

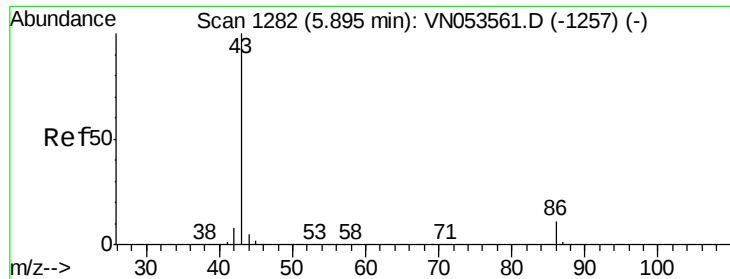
Ion 45.00 (44.70 to 45.70): VN0

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

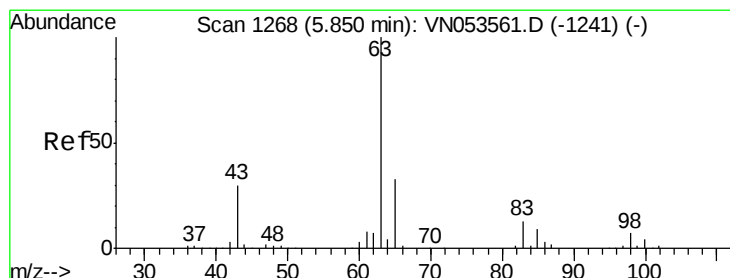
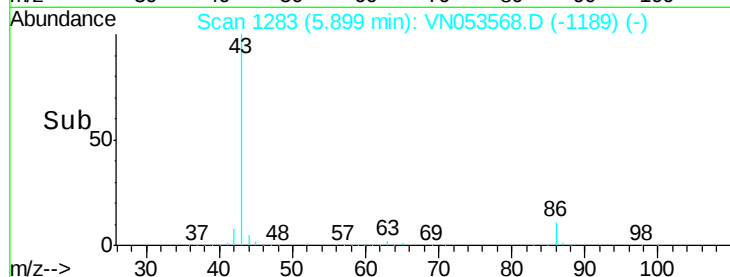
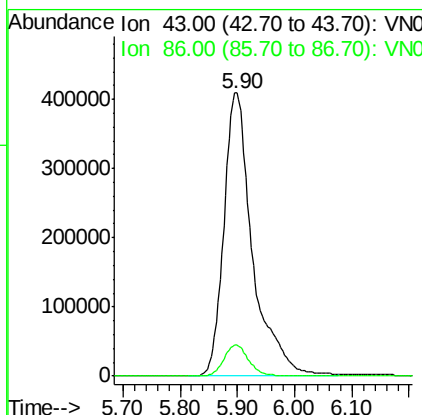
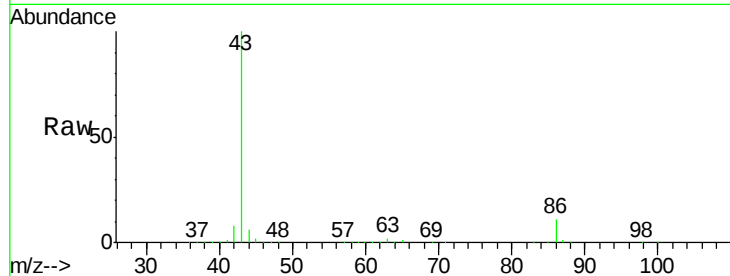




#23
 Vinyl Acetate
 Concen: 108.034 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

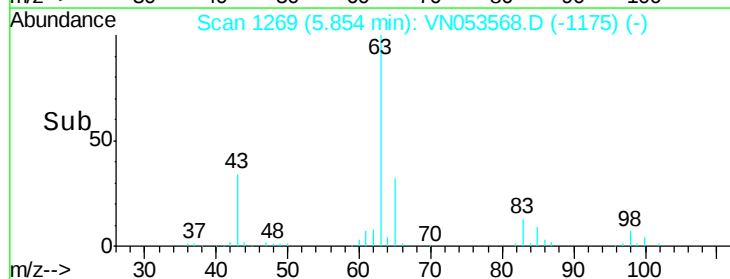
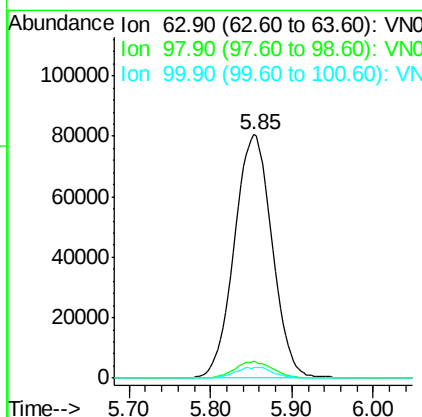
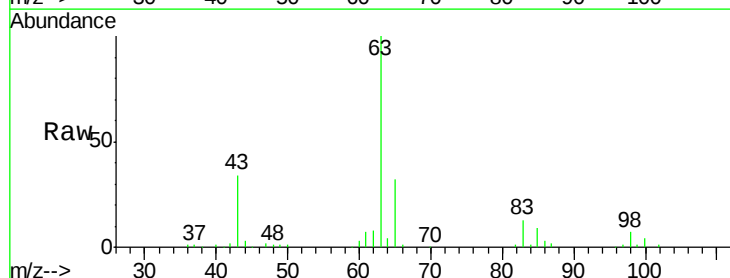
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

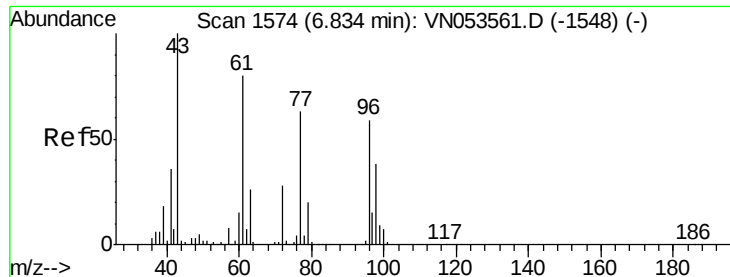
Tot Ion: 43 Resp: 1430492
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 20.247 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

Tgt Ion: 63 Resp: 258478
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.9
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 109.515 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

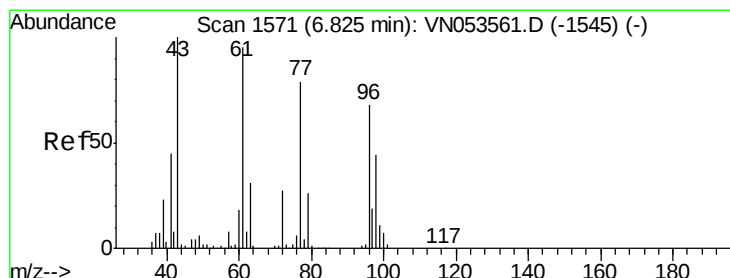
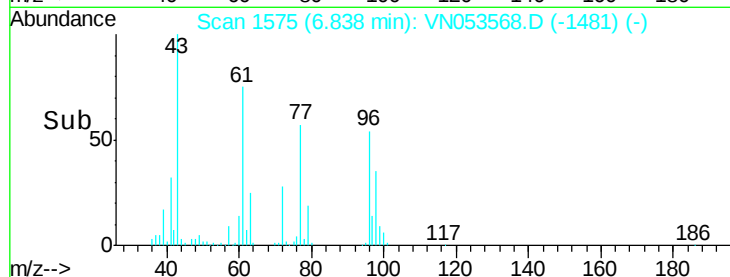
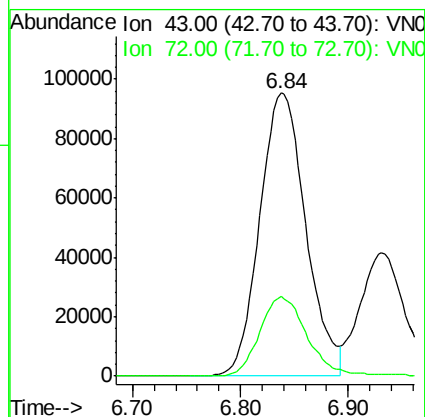
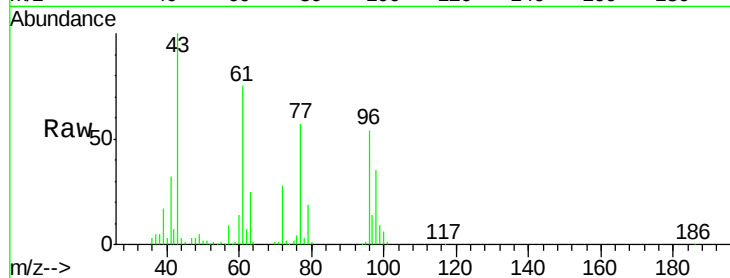
VN0130WBS01

Tot Ion: 43 Resp: 281584

Ion Ratio Lower Upper

43 100

72 28.2 22.0 33.0



#26

2,2-Dichloropropane

Concen: 20.037 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053568.D

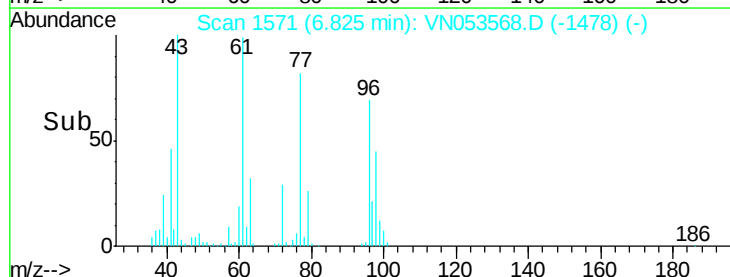
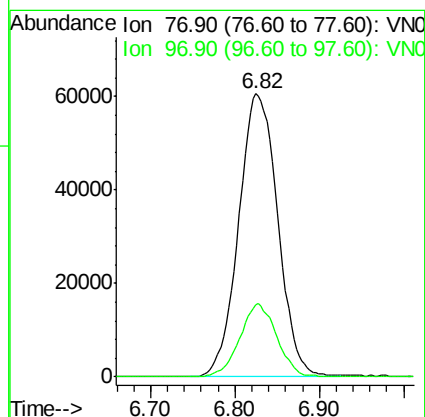
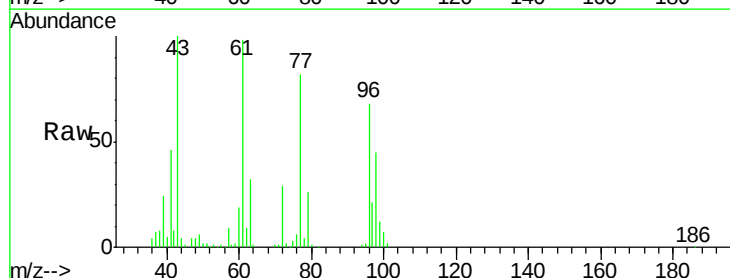
Acq: 30 Jan 2019 13:41

Tgt Ion: 77 Resp: 195266

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.533 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

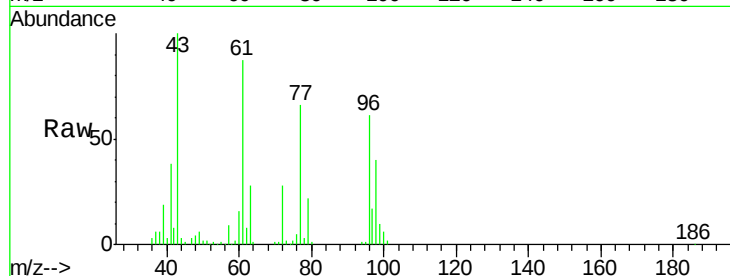
Tot Ion: 96 Resp: 159810

Ion Ratio Lower Upper

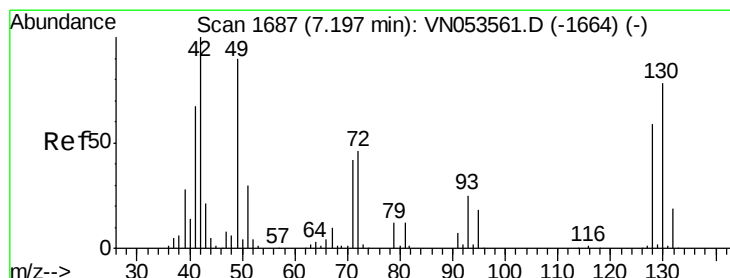
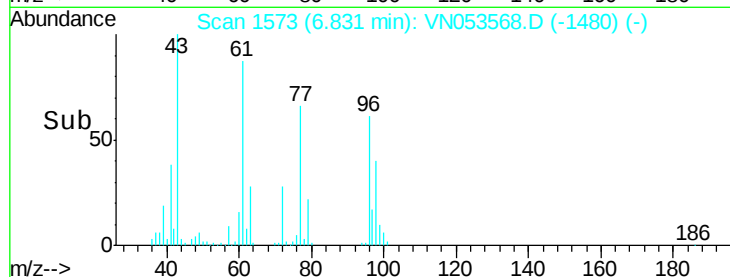
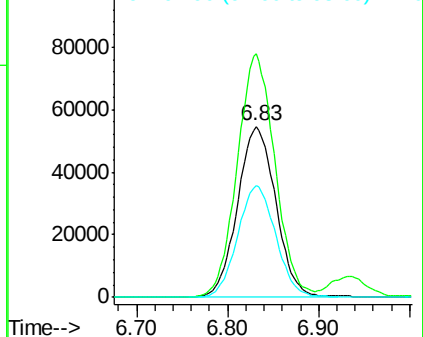
96 100

61 140.3 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: 20.971 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

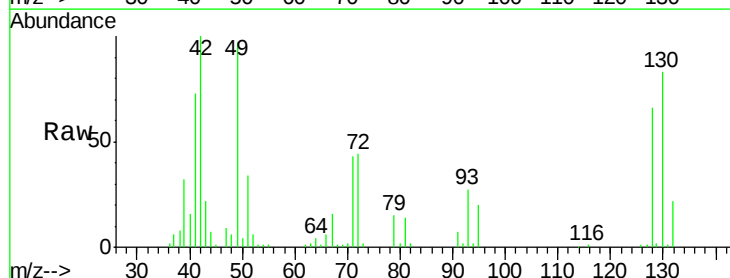
Tgt Ion: 49 Resp: 116181

Ion Ratio Lower Upper

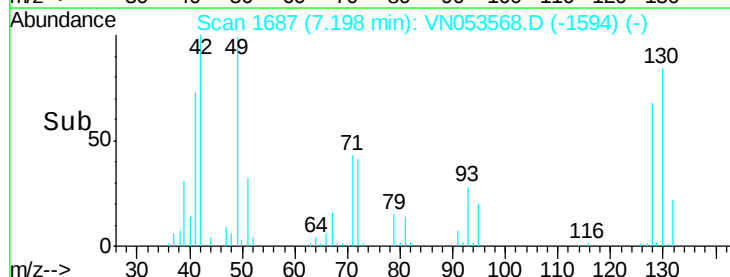
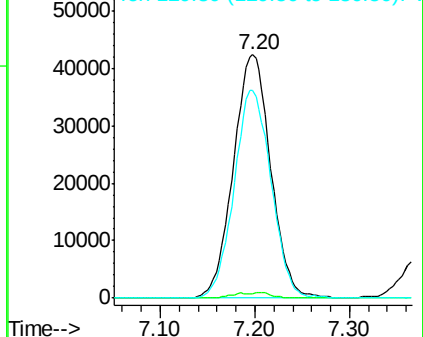
49 100

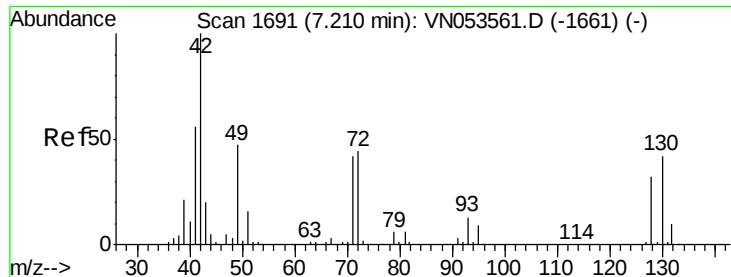
129 1.1 0.0 4.0

130 84.8 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

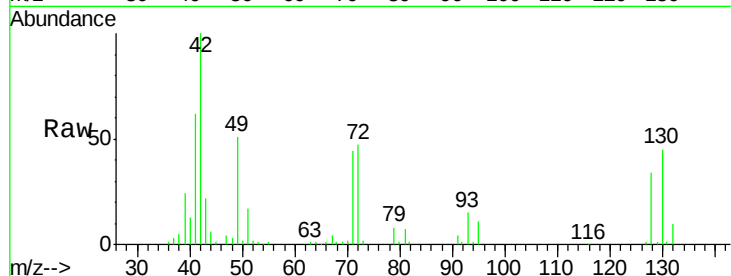




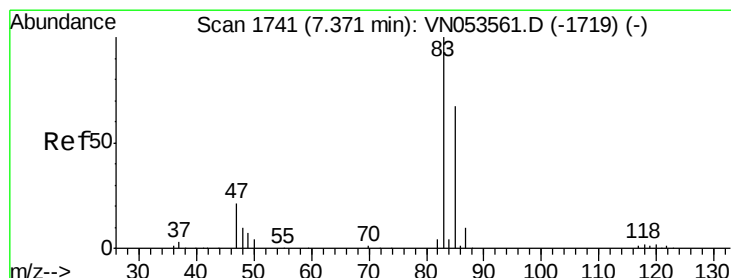
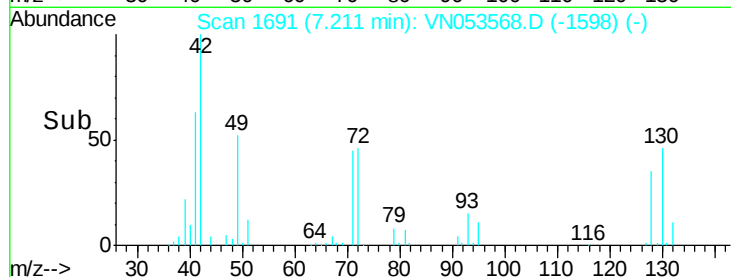
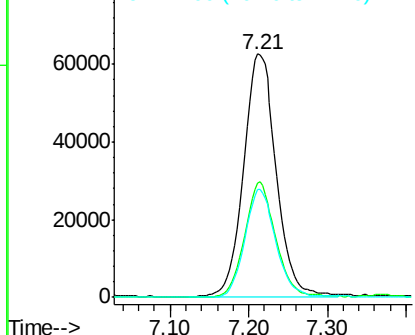
#29
Tetrahydrofuran
Concen: 111.561 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Tot Ion: 42 Resp: 184192
Ion Ratio Lower Upper
42 100
72 45.0 35.2 52.8
71 42.1 33.0 49.4

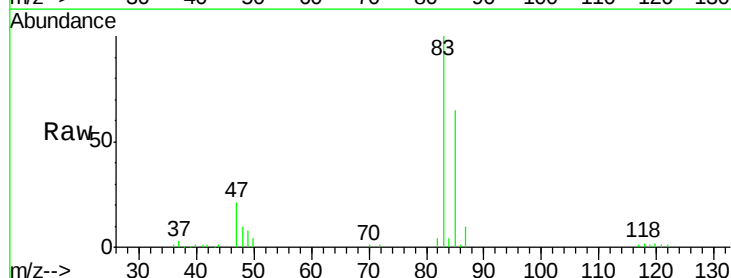


Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

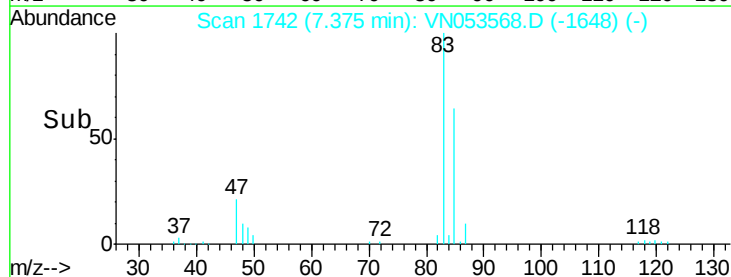
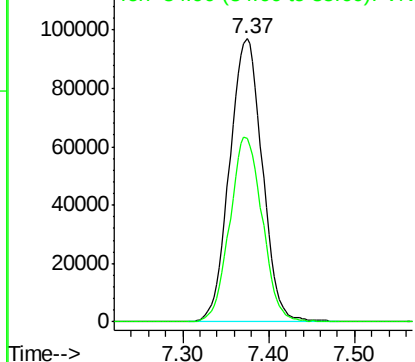


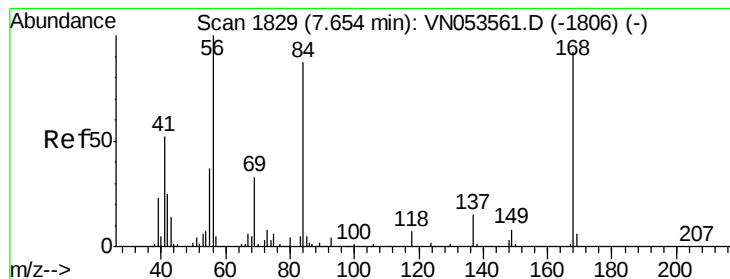
#30
Chloroform
Concen: 20.253 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Tgt Ion: 83 Resp: 256305
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.2



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





#31

Cyclohexane

Concen: 20.096 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VN0130WBS01

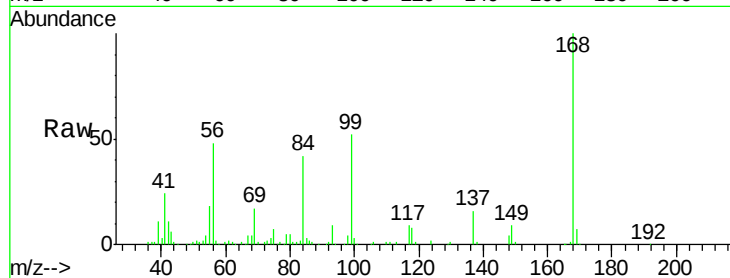
Tot Ion: 56 Resp: 240072

Ion Ratio Lower Upper

56 100

69 36.2 26.4 39.6

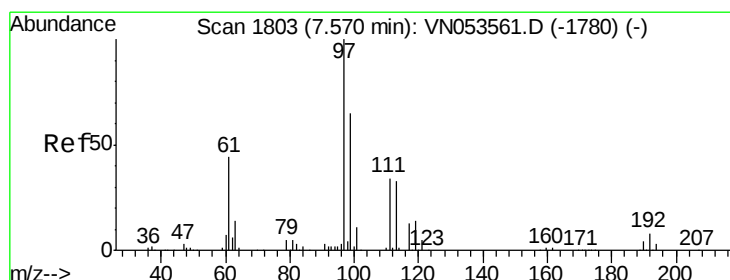
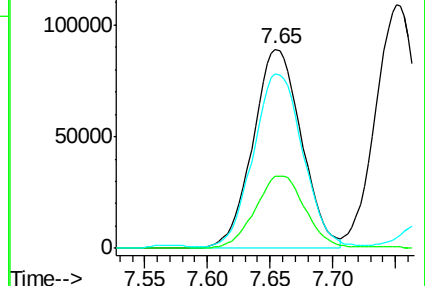
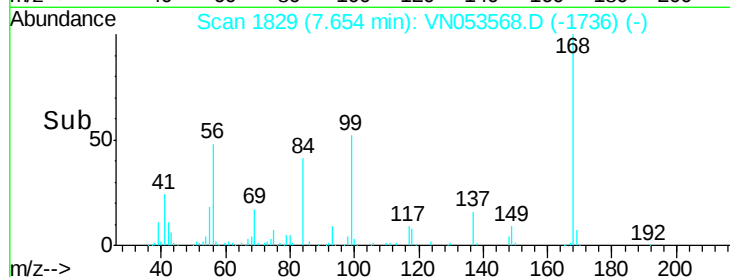
84 86.6 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.342 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

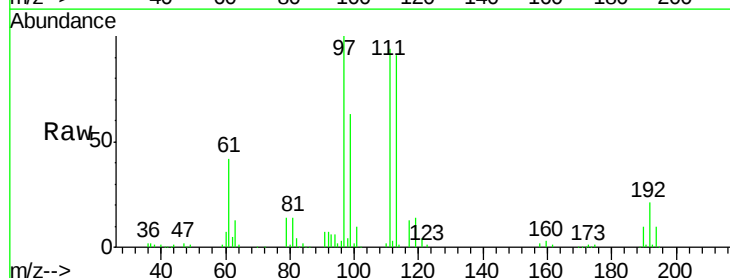
Tgt Ion: 97 Resp: 214237

Ion Ratio Lower Upper

97 100

99 64.2 52.0 78.0

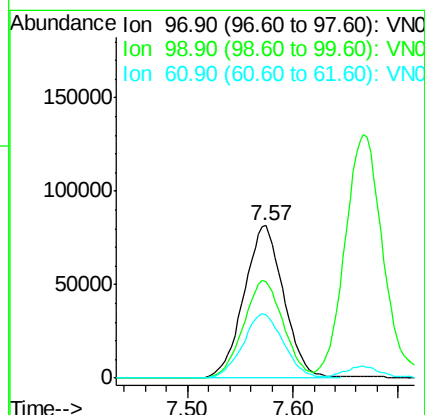
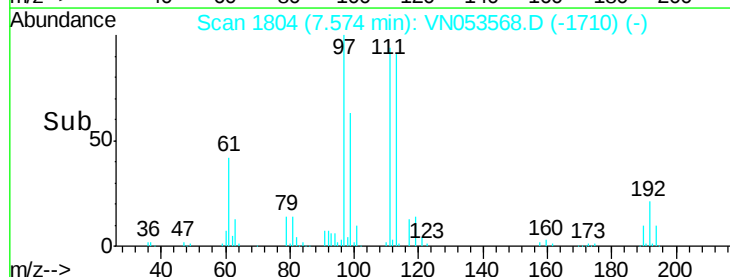
61 43.0 34.4 51.6

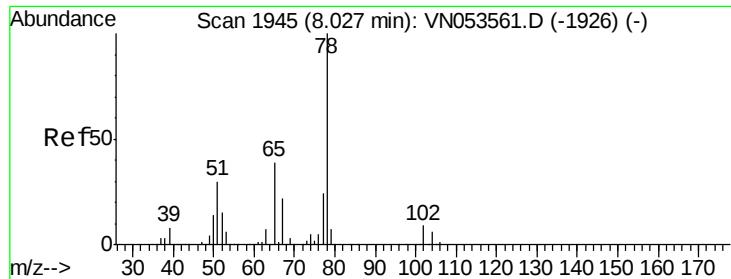


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

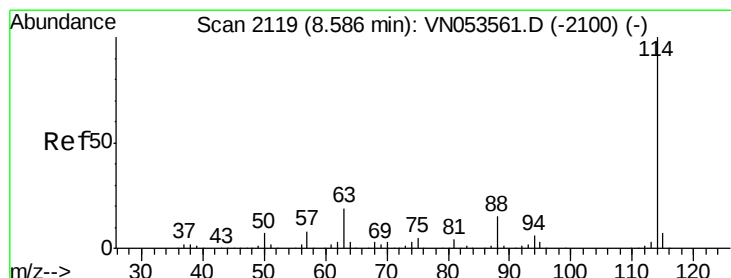
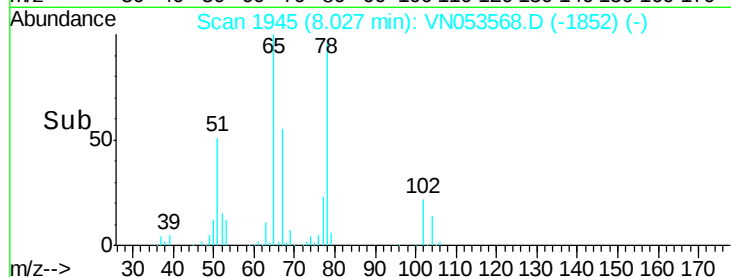
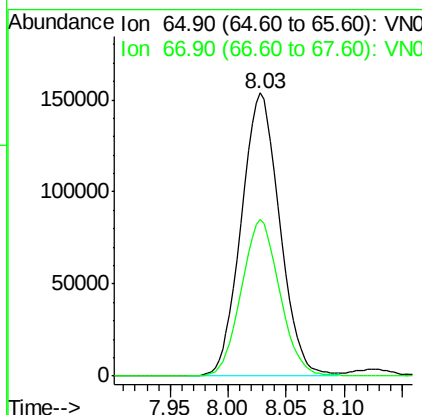
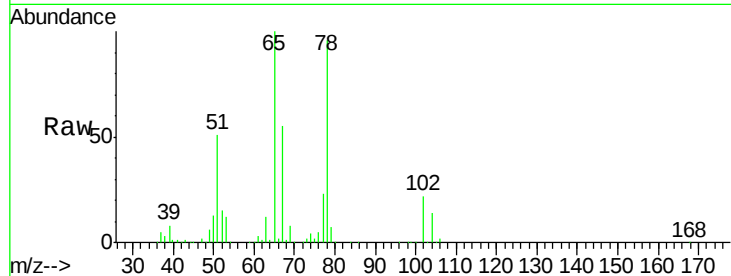




#33
 1,2-Dichloroethane-d4
 Concen: 20.342 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

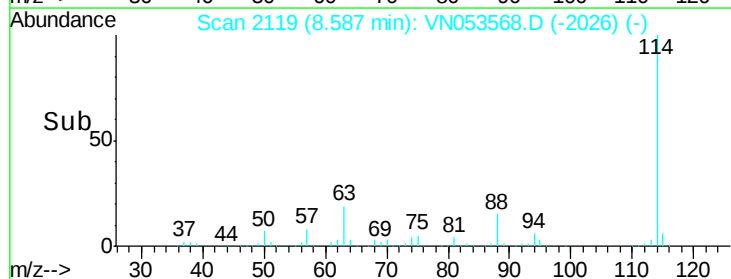
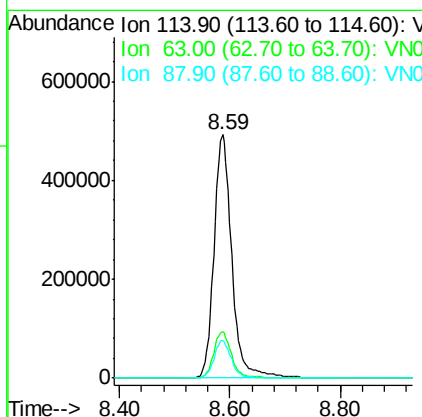
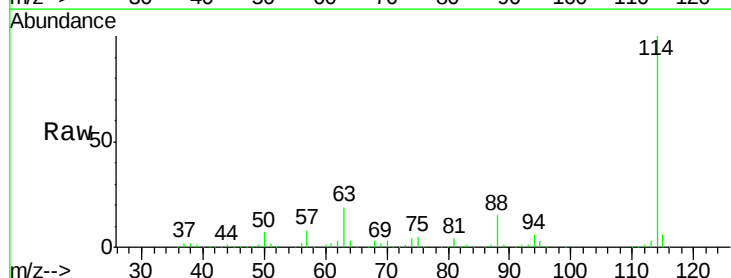
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

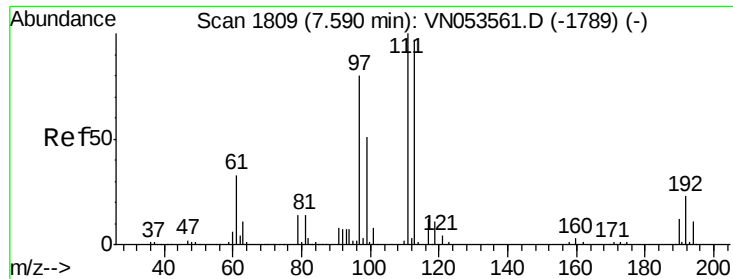
Tot Ion: 65 Resp: 355797
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

Tgt Ion: 114 Resp: 1101217
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.5 0.0 30.4

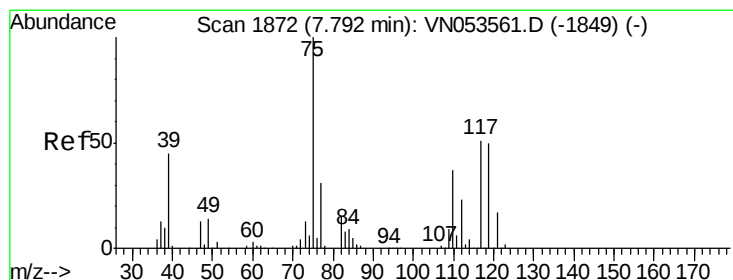
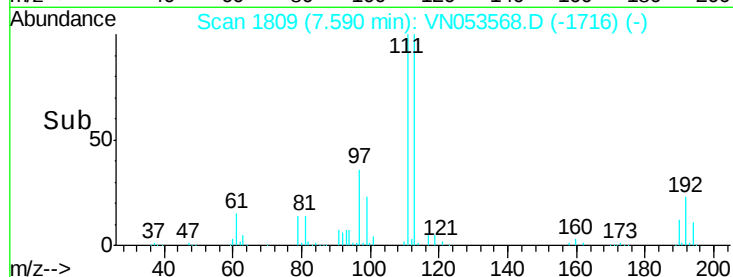
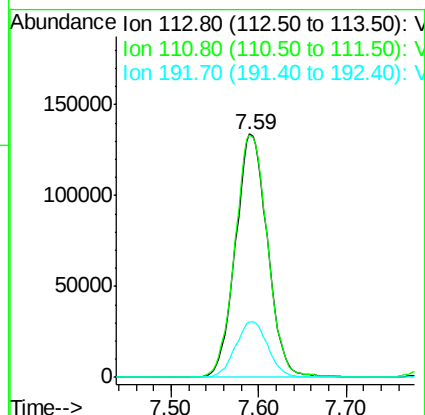
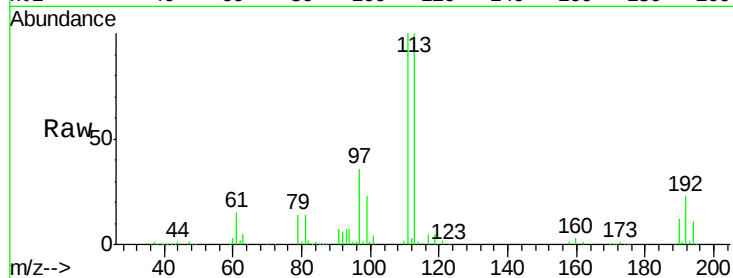




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

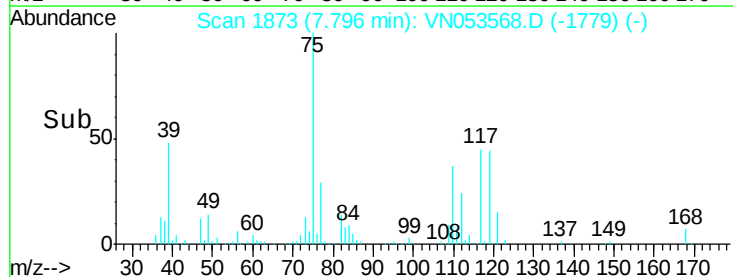
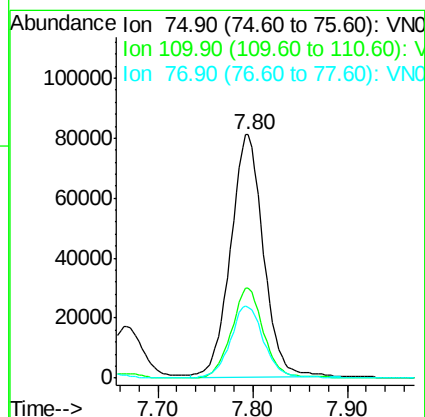
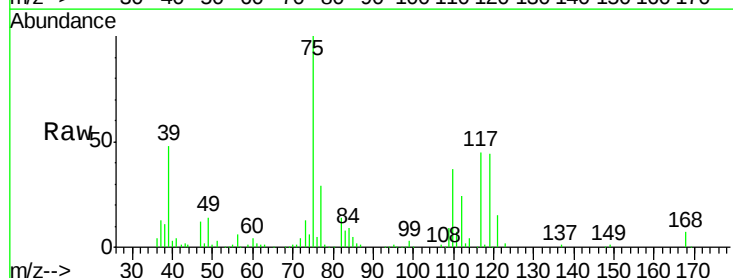
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

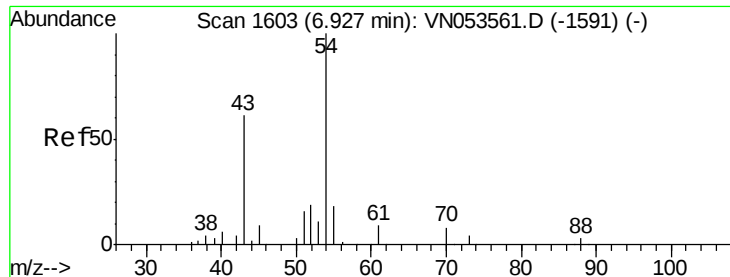
Tot Ion:113 Resp: 340038
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.1 121.7
 192 23.1 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 19.596 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

Tgt Ion: 75 Resp: 194524
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.1 54.3
 77 30.7 25.1 37.7

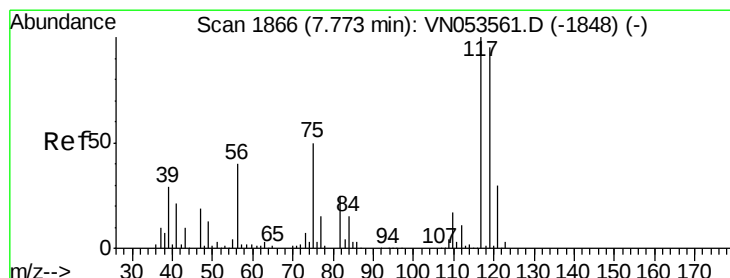
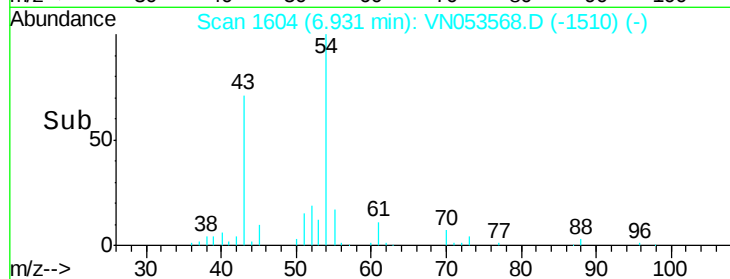
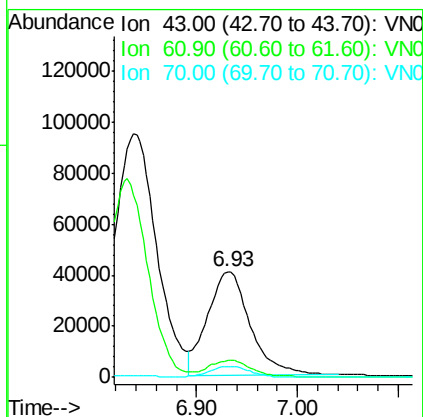
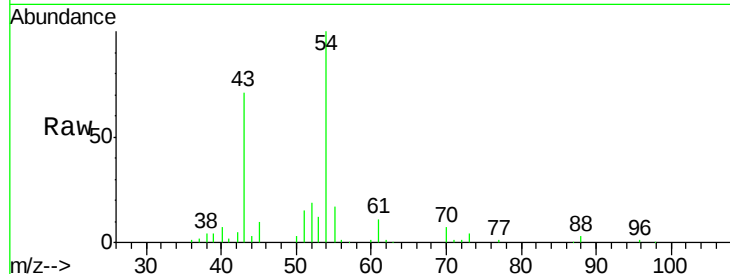




#37
Ethyl Acetate
Concen: 21.647 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

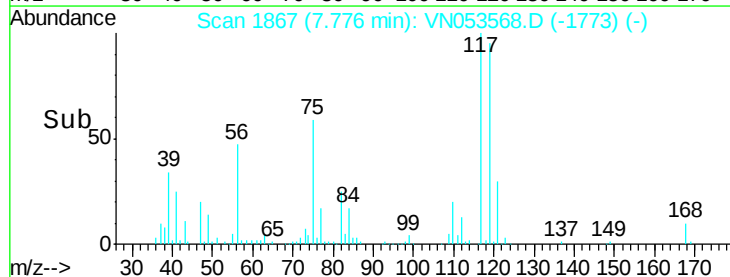
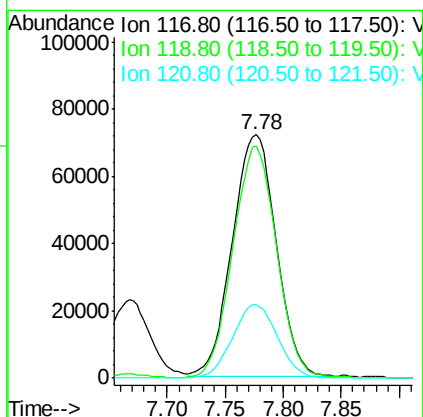
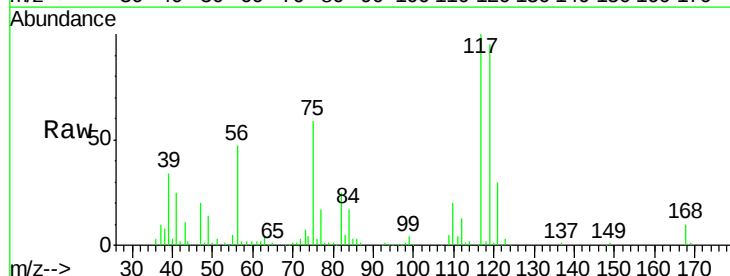
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

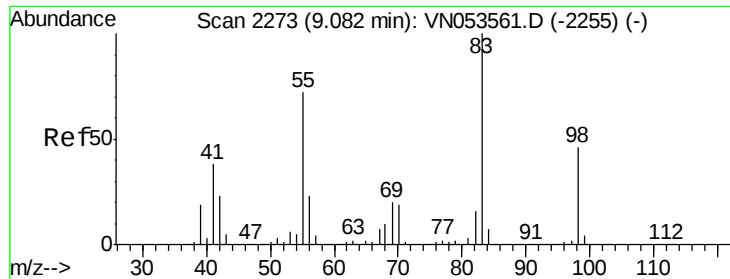
Tot Ion: 43 Resp: 120014
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.6
70 9.9 8.6 12.8



#38
Carbon Tetrachloride
Concen: 18.939 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Tgt Ion: 117 Resp: 189397
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8
121 30.2 24.6 37.0

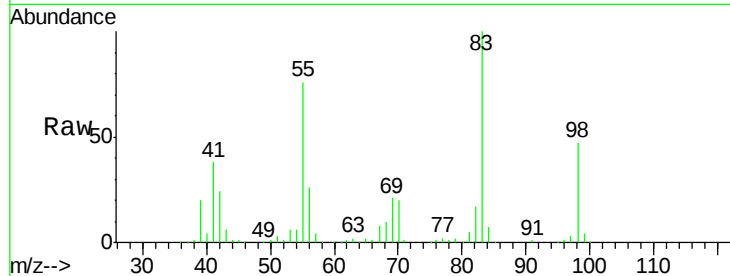




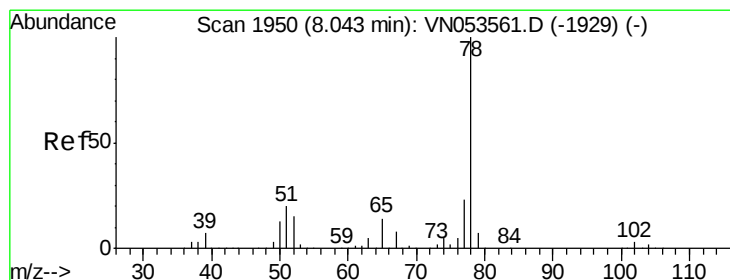
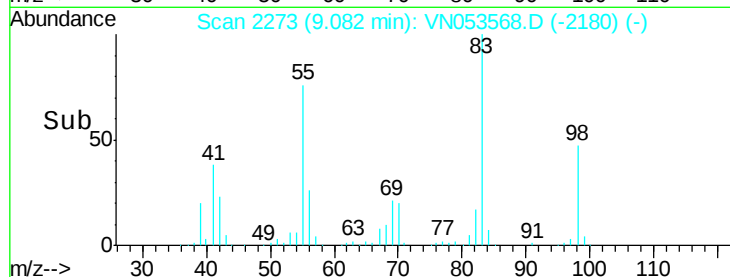
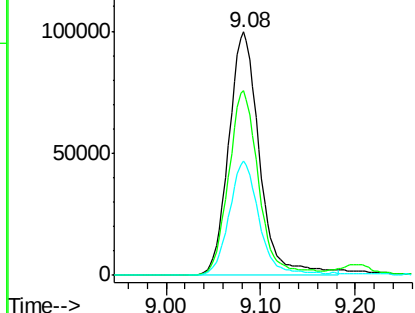
#39
Methvlcvclohexane
Concen: 19.160 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Tot Ion: 83 Resp: 225654
Ion Ratio Lower Upper
83 100
55 75.8 60.1 90.1
98 46.7 36.6 55.0

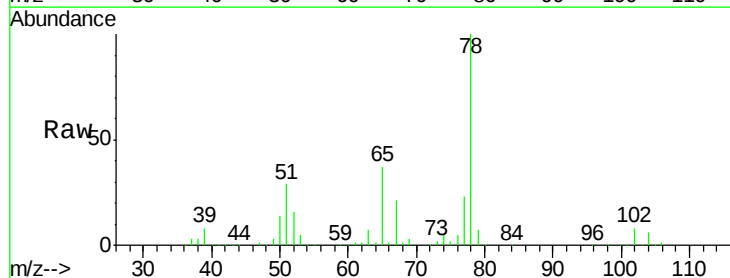


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

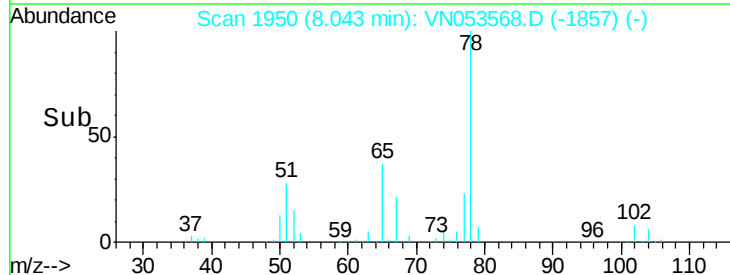
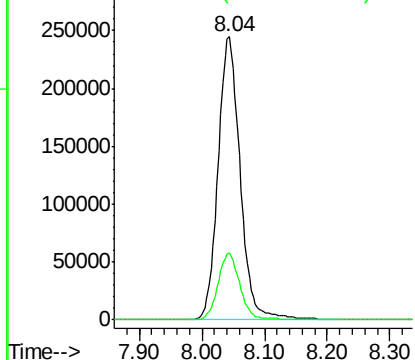


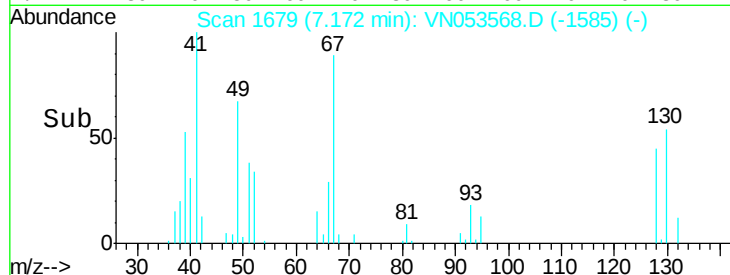
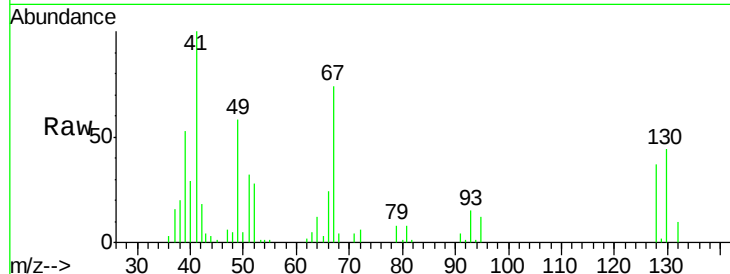
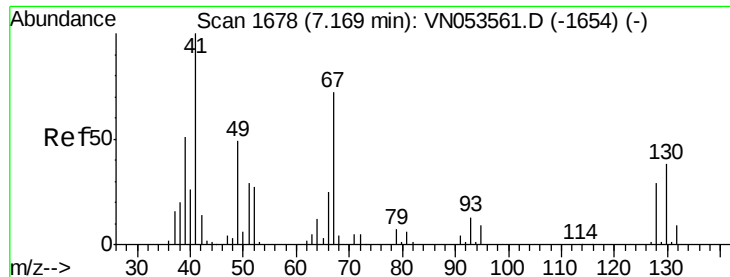
#40
Benzene
Concen: 19.643 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Tgt Ion: 78 Resp: 601298
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



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

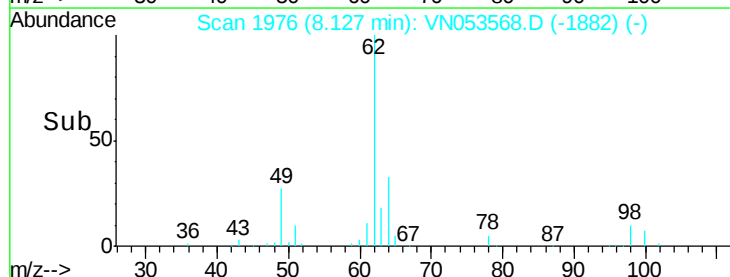
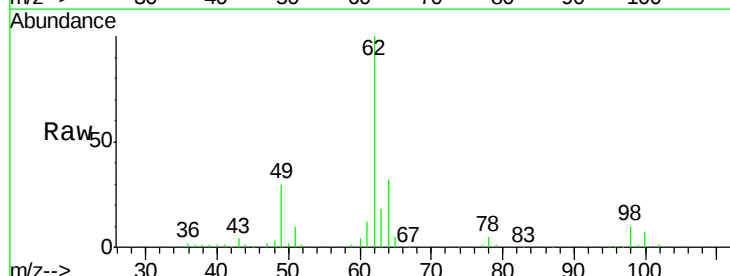
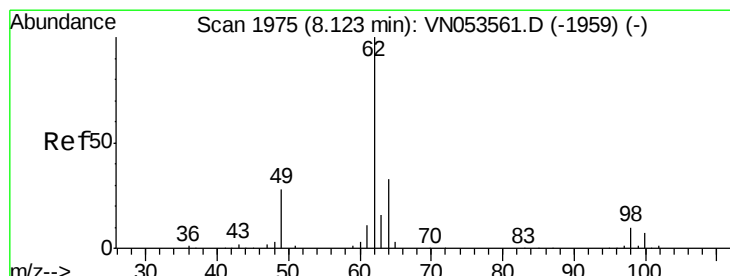
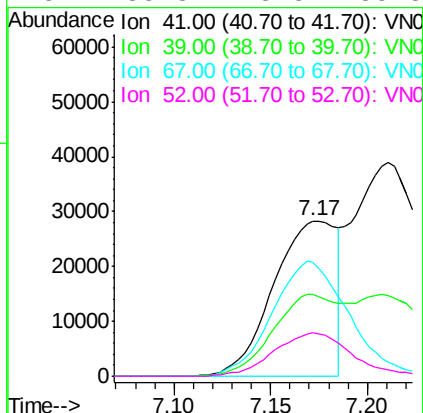




#41
Methacrylonitrile
Concen: 20.716 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

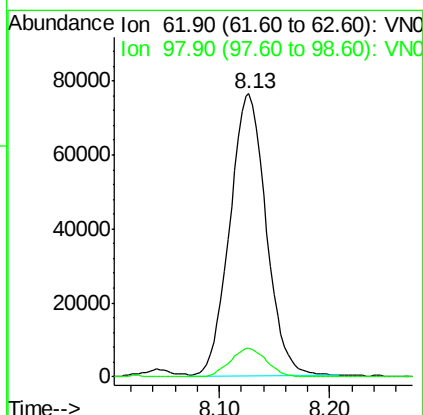
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

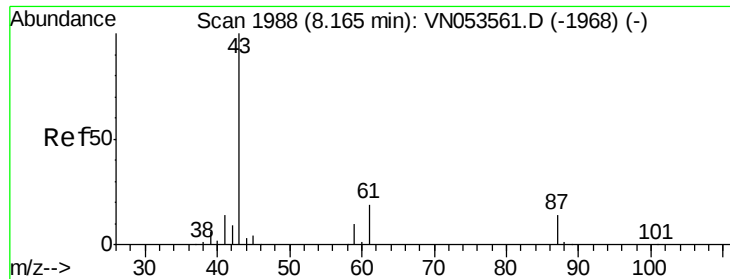
Tot Ion:	41	Resp:	64192
Ion	Ratio	Lower	Upper
41	100		
39	59.9	46.8	70.2
67	90.5	63.0	94.6
52	35.3	23.8	35.8



#42
1,2-Dichloroethane
Concen: 19.168 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Tgt Ion:	62	Resp:	174226
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.6





#43

Isopropyl Acetate

Concen: 20.411 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VN0130WBS01

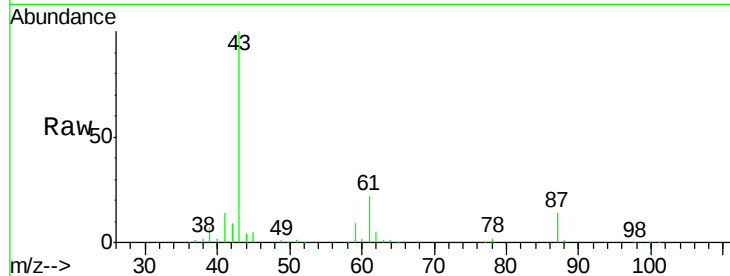
Tot Ion: 43 Resp: 218538

Ion Ratio Lower Upper

43 100

61 28.4 23.9 35.9

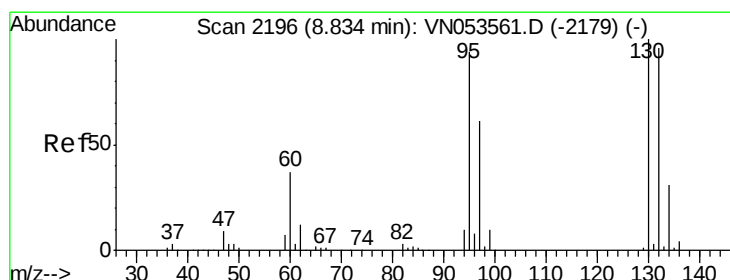
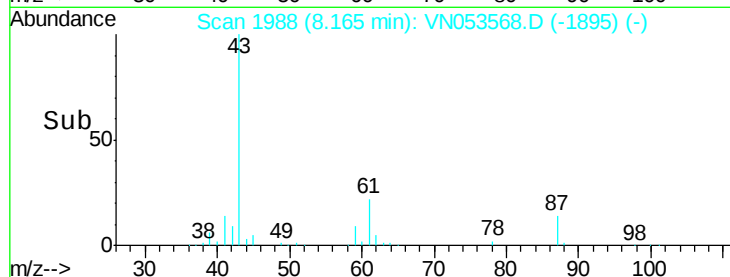
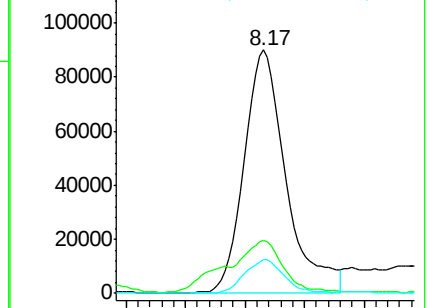
87 13.2 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053568.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN053568.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN053568.D (-1895) (-)



#44

Trichloroethene

Concen: 19.111 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053568.D

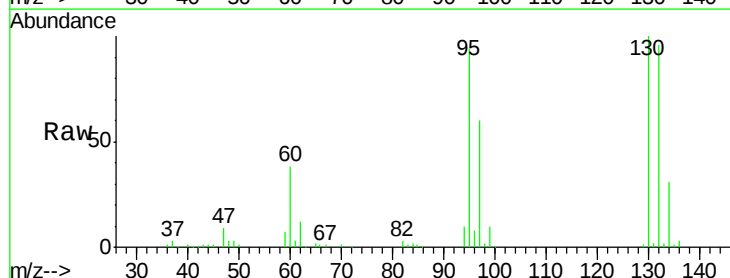
Acq: 30 Jan 2019 13:41

Tgt Ion: 130 Resp: 166552

Ion Ratio Lower Upper

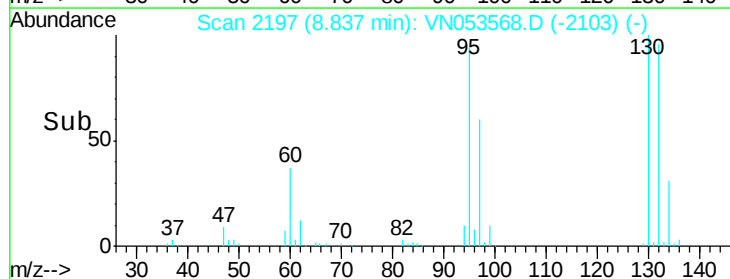
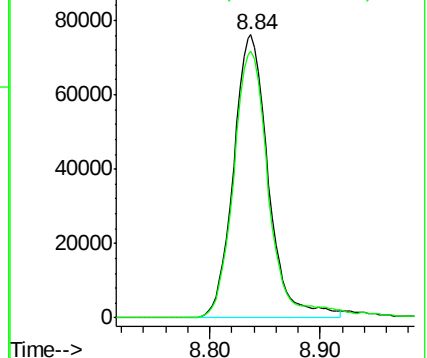
130 100

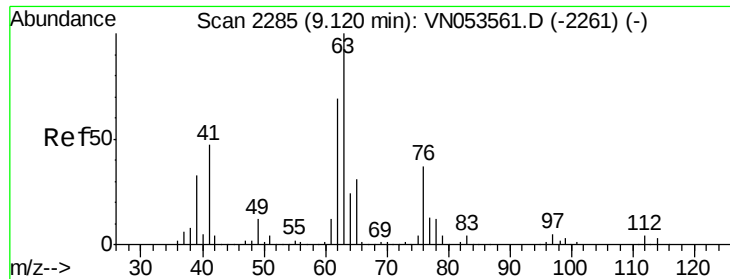
95 94.2 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053568.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN053568.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 19.894 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

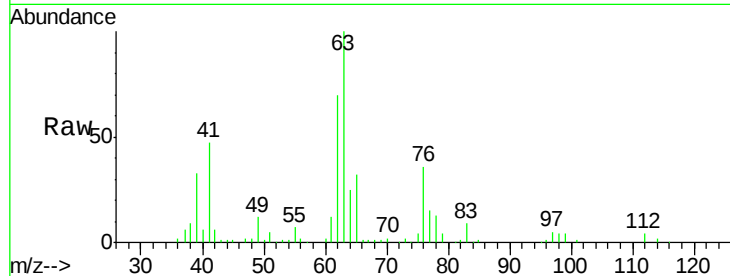
VN0130WBS01

Tot Ion: 63 Resp: 155767

Ion Ratio Lower Upper

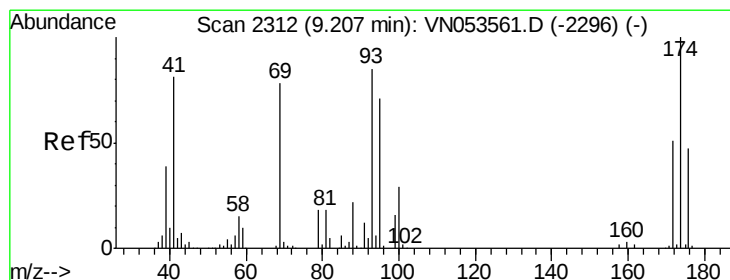
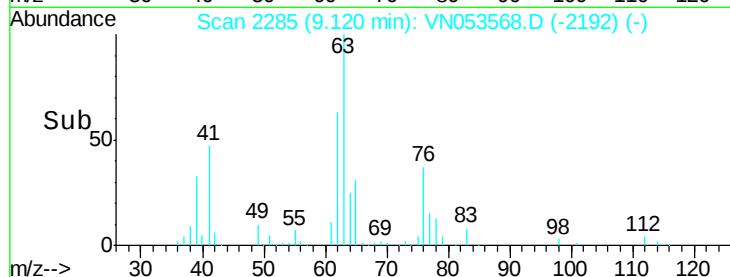
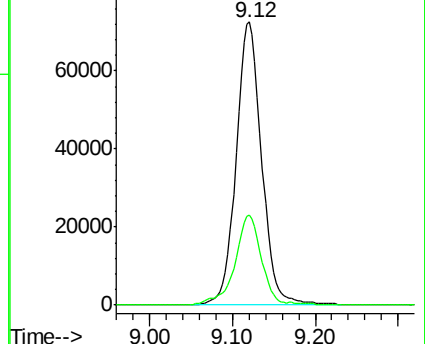
63 100

65 31.8 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: 19.635 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

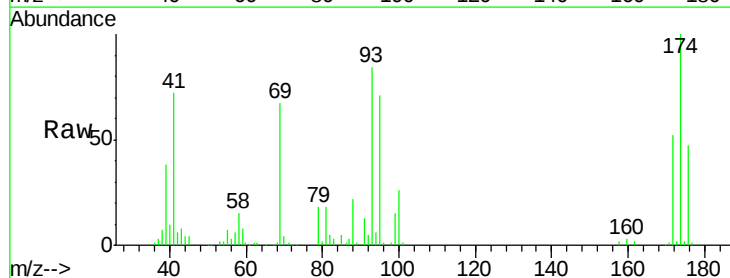
Tgt Ion: 93 Resp: 92674

Ion Ratio Lower Upper

93 100

95 85.6 67.3 100.9

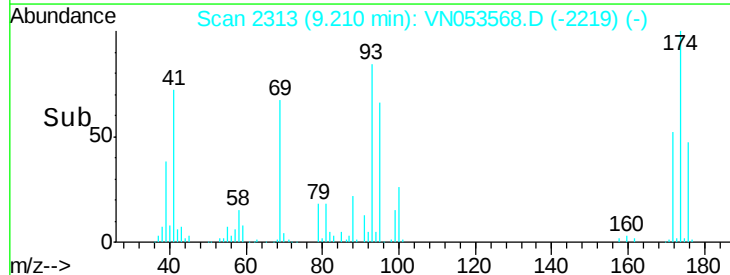
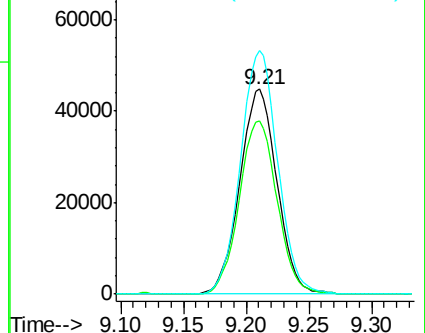
174 118.8 91.0 136.4



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

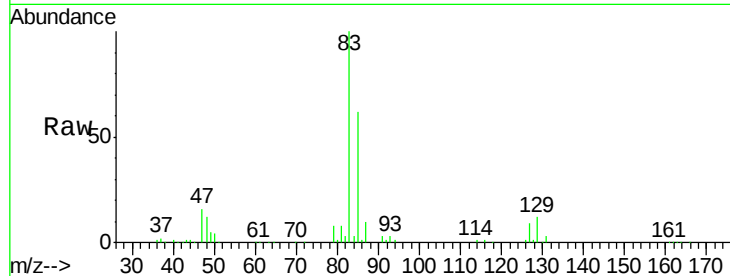




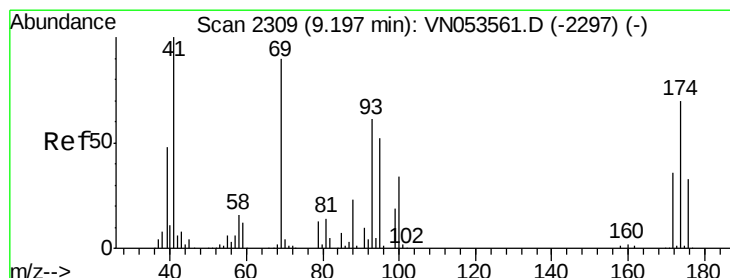
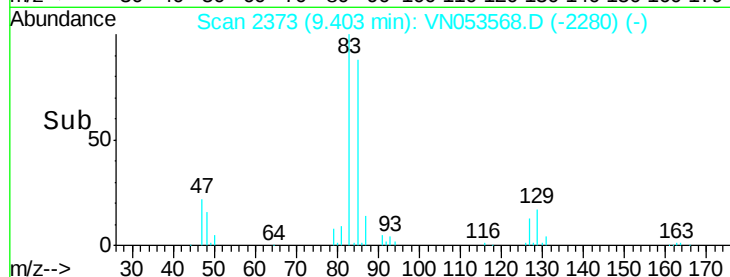
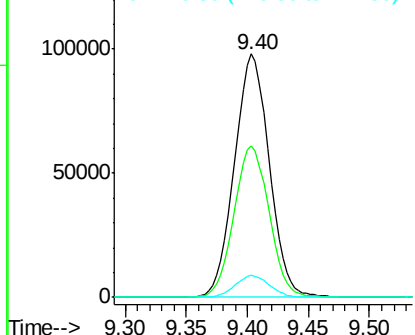
#47
Bromodichloromethane
Concen: 19.777 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VN0130WBS01

Tot Ion: 83 Resp: 194083
Ion Ratio Lower Upper
83 100
85 62.3 51.0 76.6
127 8.9 7.0 10.6

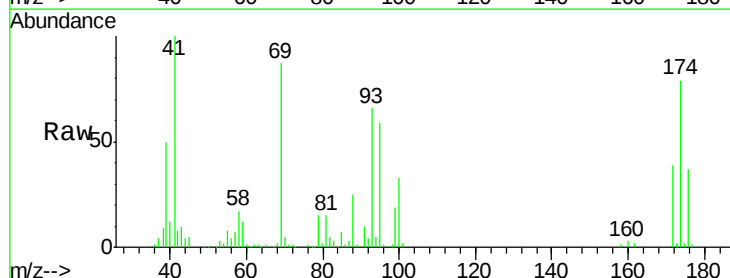


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

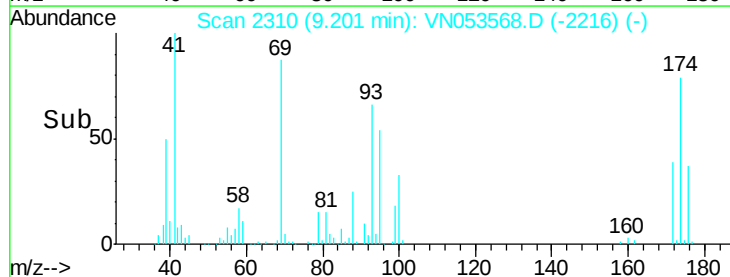
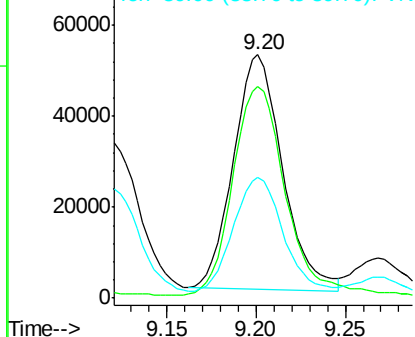


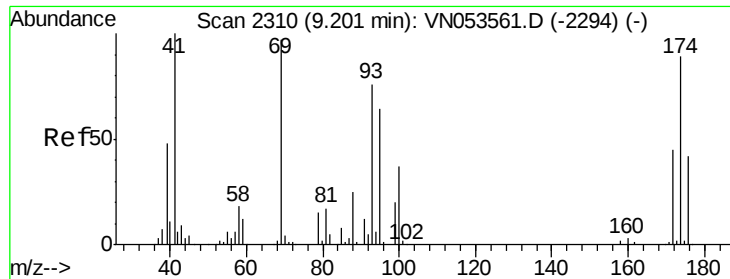
#48
Methyl methacrylate
Concen: 19.395 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Tgt Ion: 41 Resp: 99125
Ion Ratio Lower Upper
41 100
69 99.4 73.8 110.6
39 54.9 40.0 60.0



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





#49

1,4-Dioxane

Concen: 421.336 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

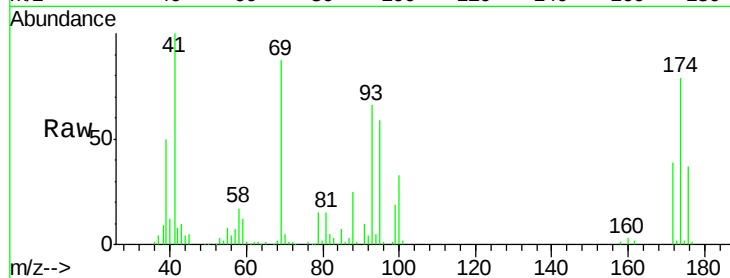
Tot Ion: 88 Resp: 29459

Ion Ratio Lower Upper

88 100

43 30.9 27.8 41.6

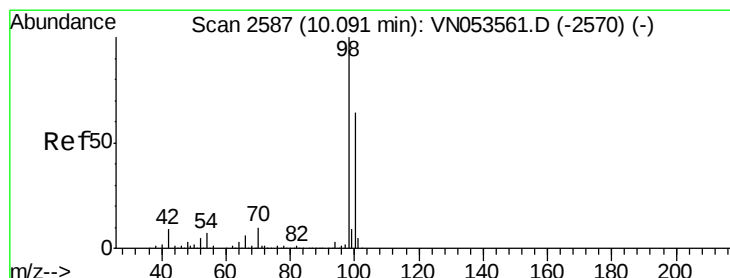
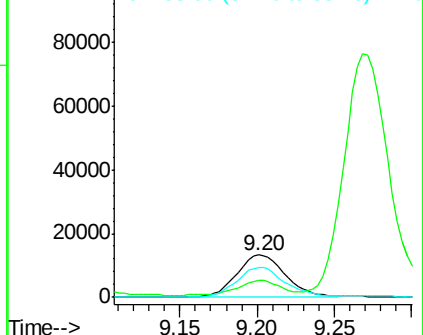
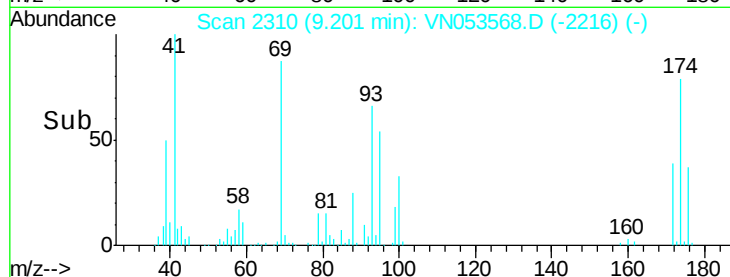
58 71.4 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 421.336 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053568.D

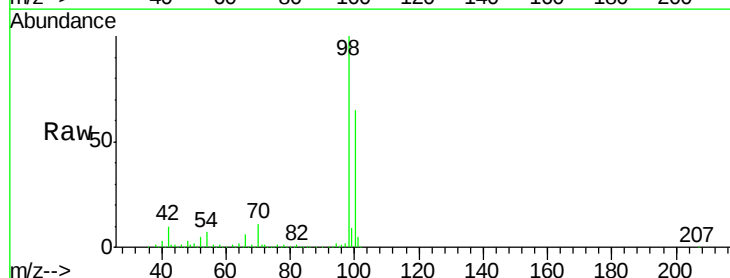
Acq: 30 Jan 2019 13:41

Tgt Ion: 98 Resp: 1255724

Ion Ratio Lower Upper

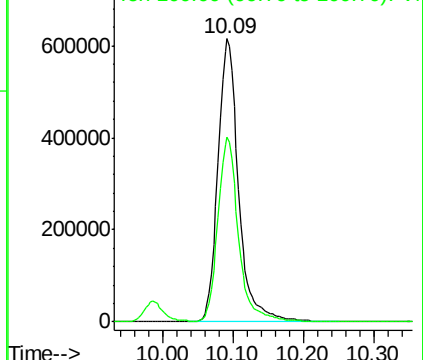
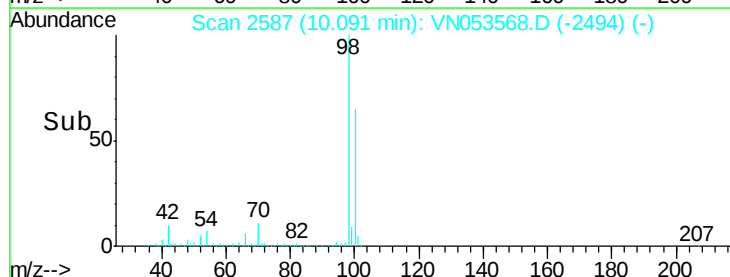
98 100

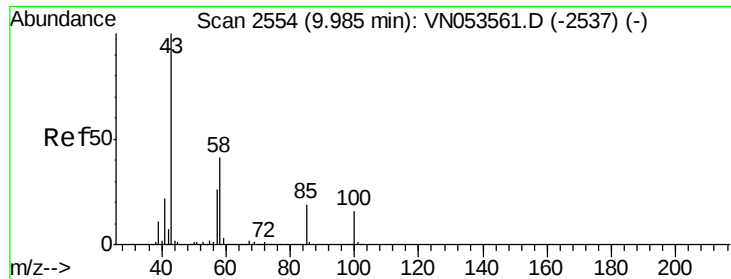
100 65.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 106.836 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

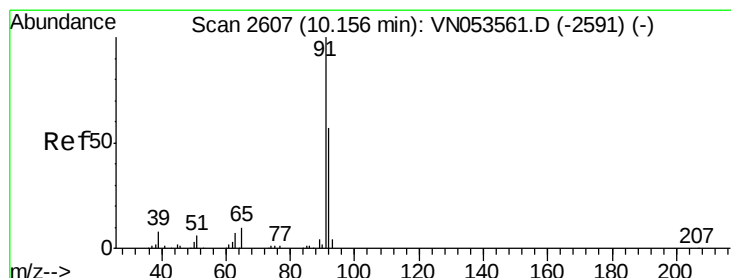
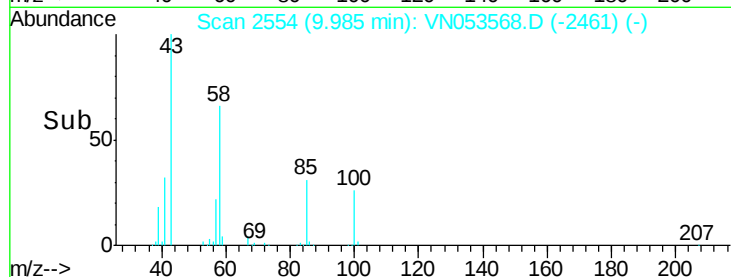
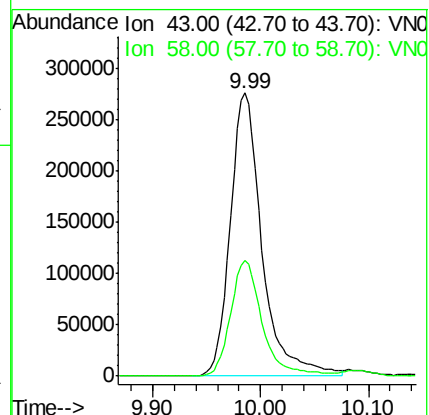
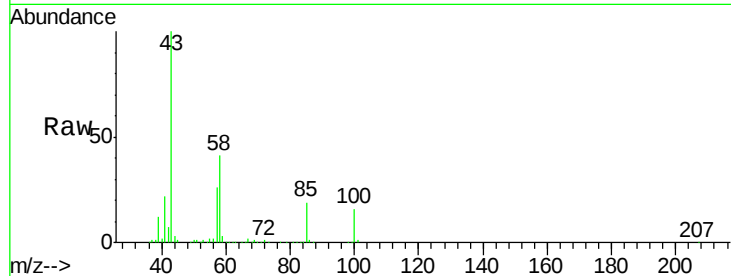
VN0130WBS01

Tot Ion: 43 Resp: 562106

Ion Ratio Lower Upper

43 100

58 41.0 32.8 49.2



#52

Toluene

Concen: 19.973 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053568.D

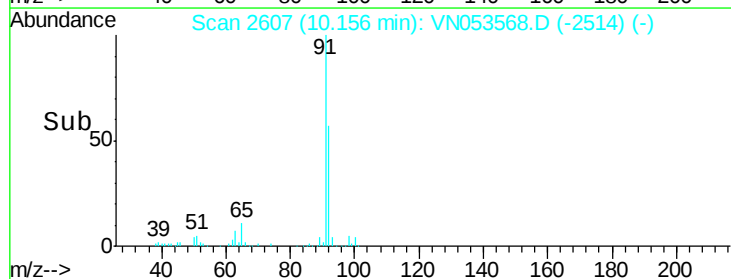
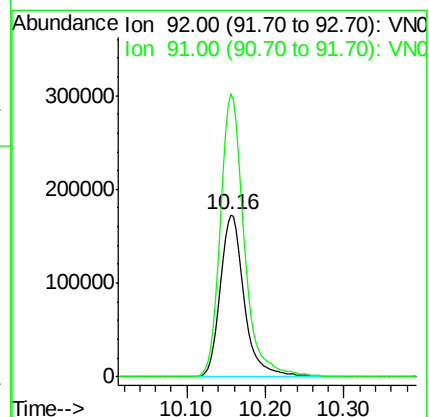
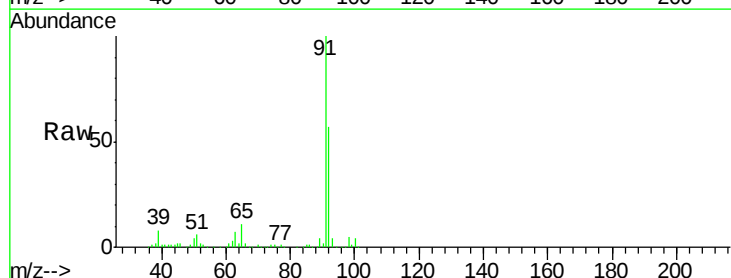
Acq: 30 Jan 2019 13:41

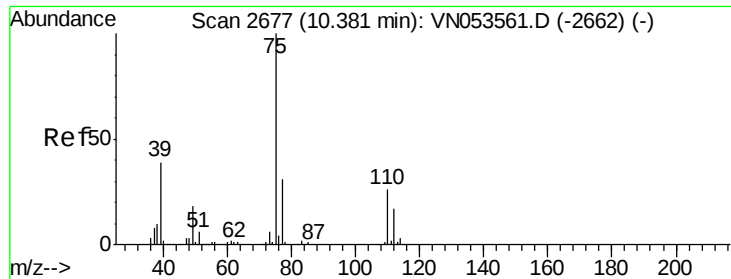
Tgt Ion: 92 Resp: 362867

Ion Ratio Lower Upper

92 100

91 173.7 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 19.340 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

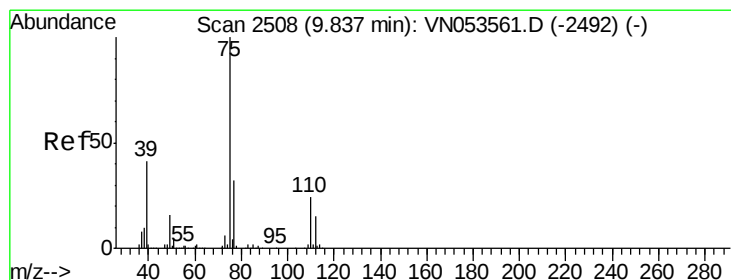
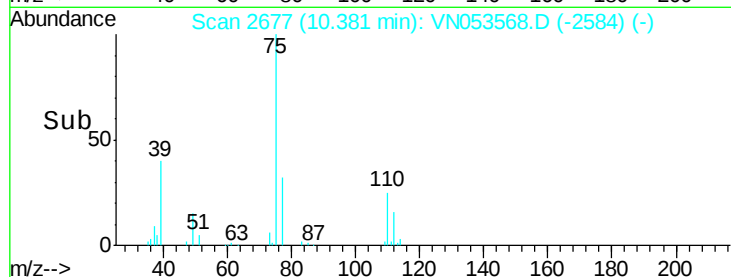
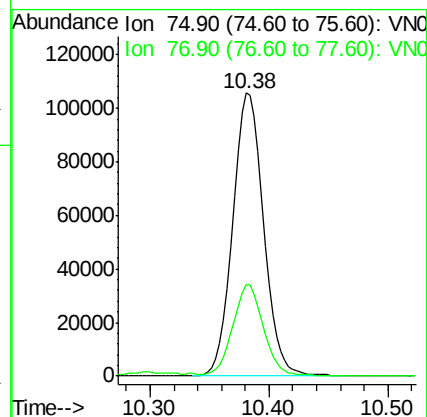
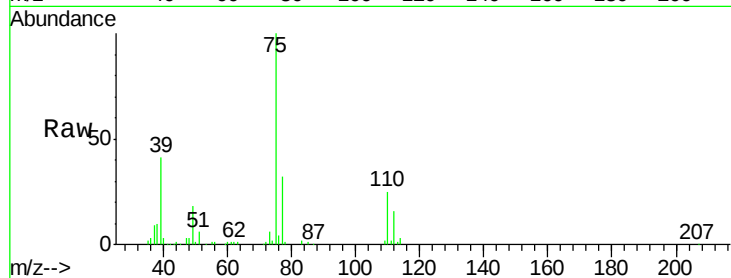
VN0130WBS01

Tot Ion: 75 Resp: 190051

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.374 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

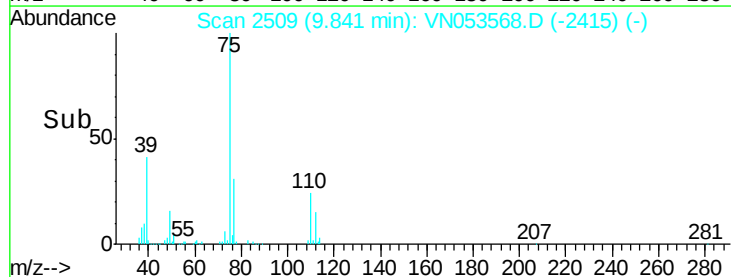
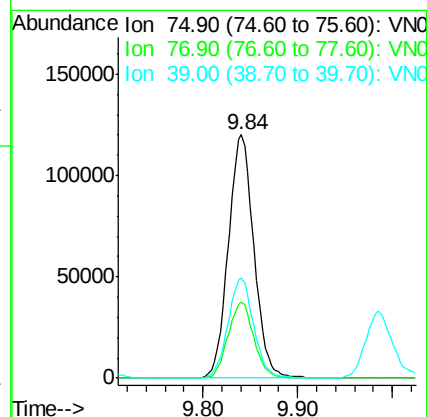
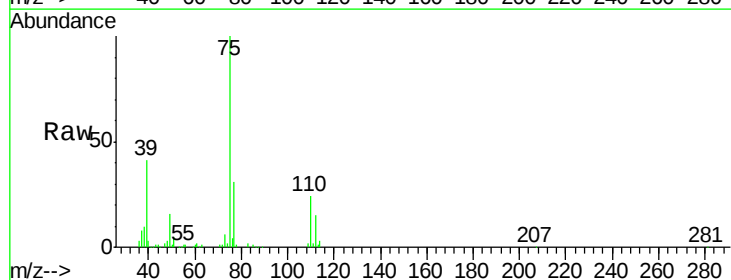
Tgt Ion: 75 Resp: 225600

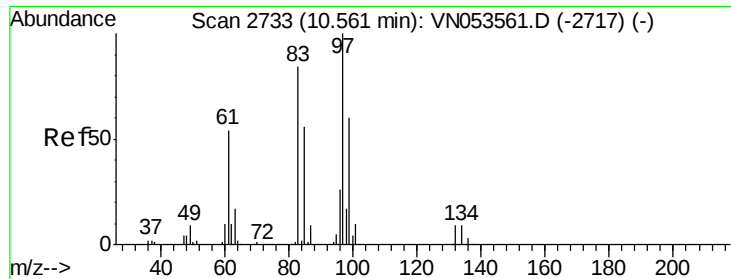
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6

39 41.2 33.4 50.0

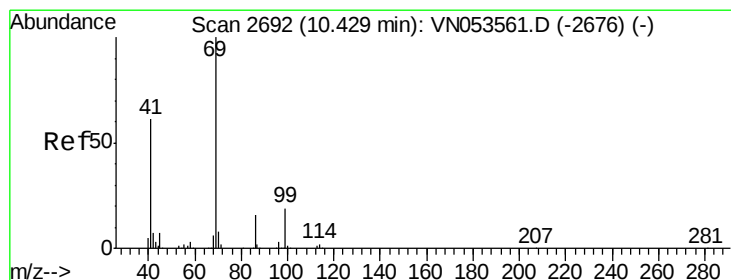
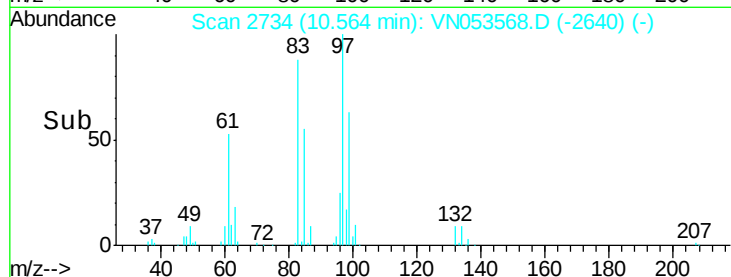
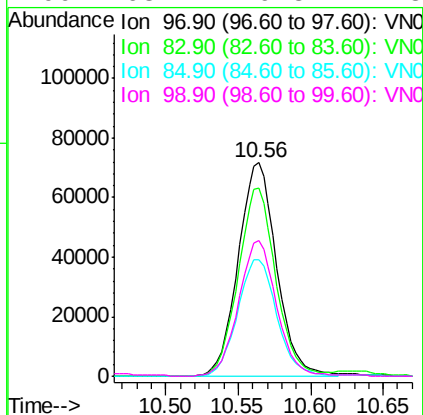
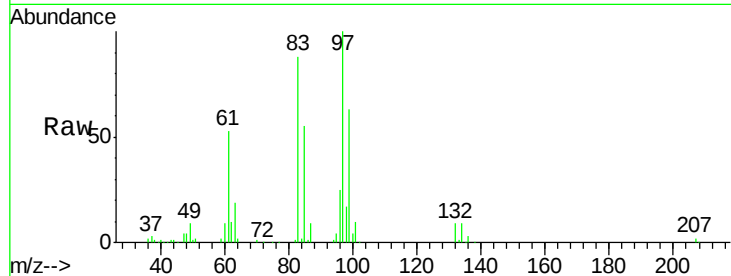




#55
 1,1,2-Trichloroethane
 Concen: 20.150 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

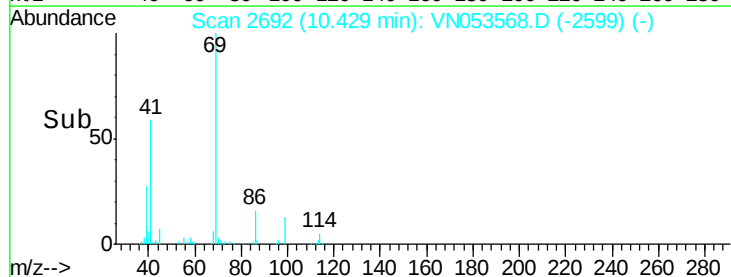
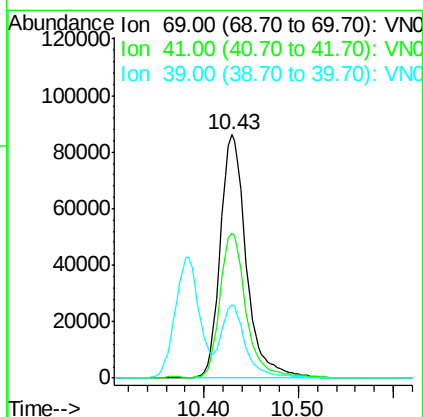
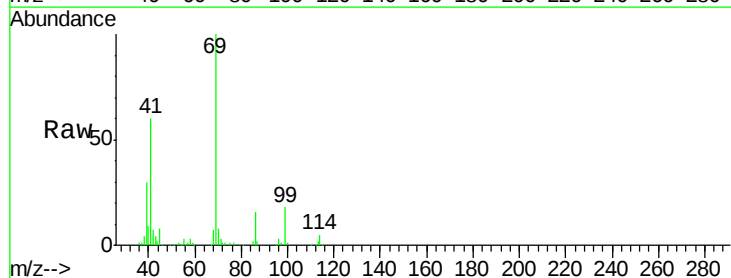
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

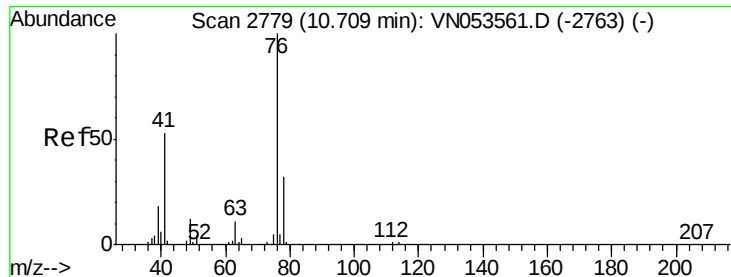
Tot Ion: 97 Resp: 131913
 Ion Ratio Lower Upper
 97 100
 83 88.1 70.1 105.1
 85 54.5 45.4 68.0
 99 63.1 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 21.264 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

Tgt Ion: 69 Resp: 164680
 Ion Ratio Lower Upper
 69 100
 41 59.3 49.4 74.0
 39 27.8 23.3 34.9





#57

1,3-Dichloropropane

Concen: 19.943 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

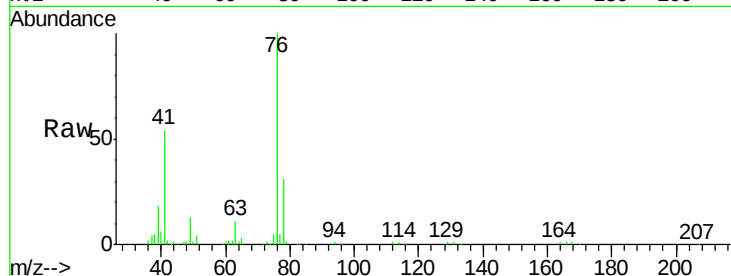
VN0130WBS01

Tot Ion: 76 Resp: 223136

Ion Ratio Lower Upper

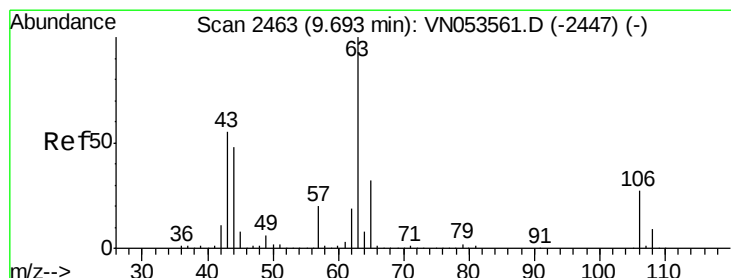
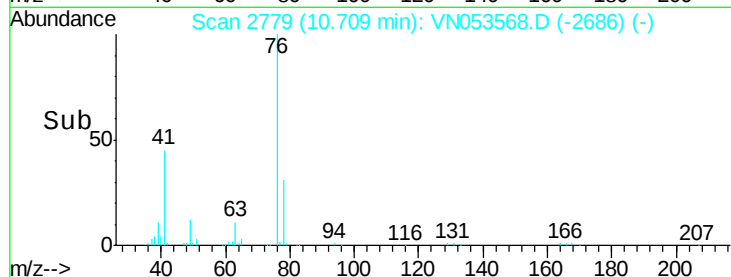
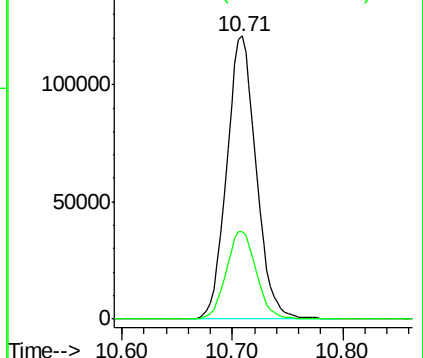
76 100

78 31.5 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 99.004 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053568.D

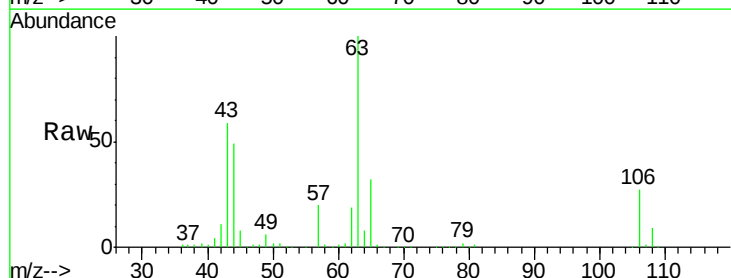
Acq: 30 Jan 2019 13:41

Tgt Ion: 63 Resp: 451517

Ion Ratio Lower Upper

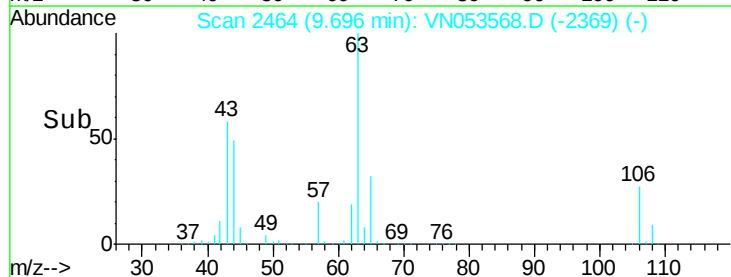
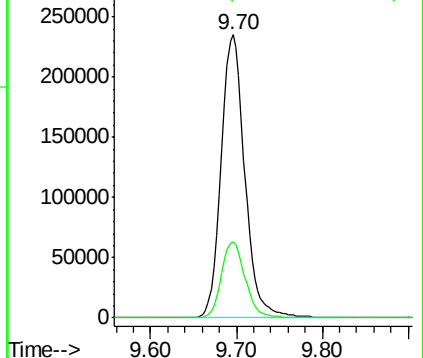
63 100

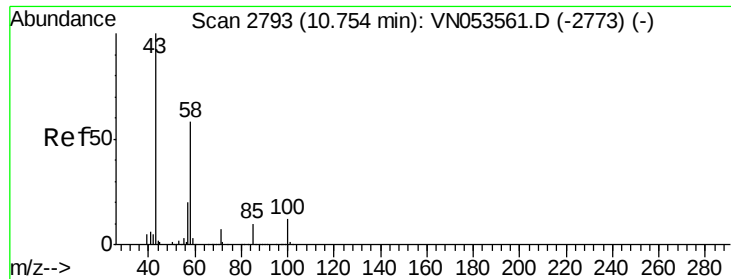
106 27.1 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

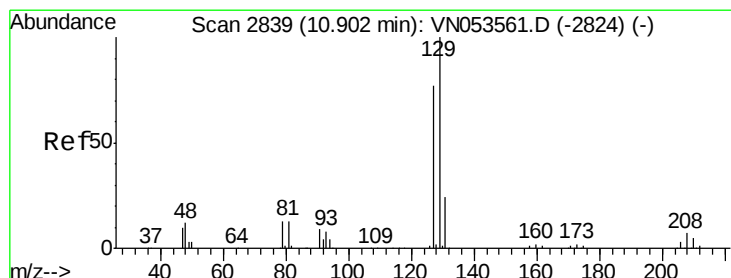
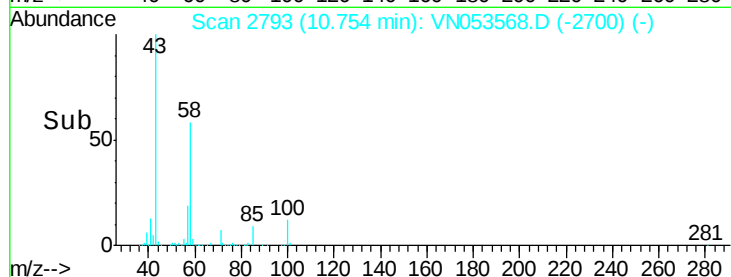
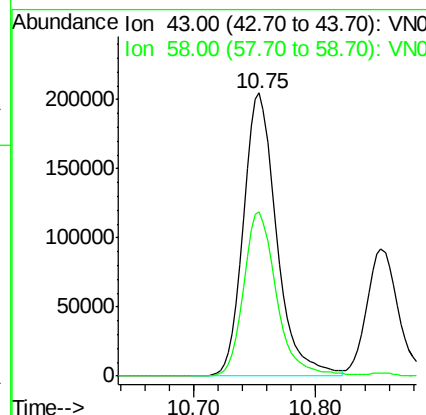
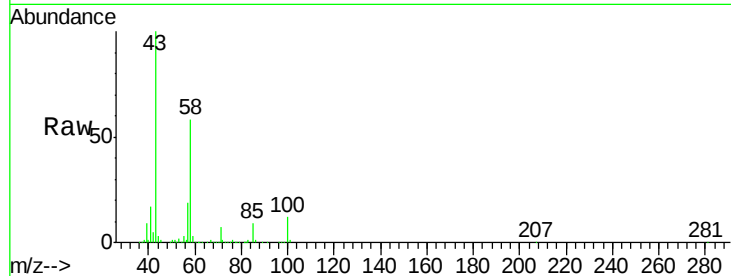




#59
2-Hexanone
Concen: 107.267 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

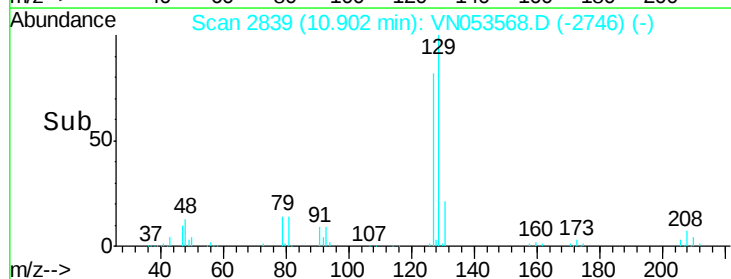
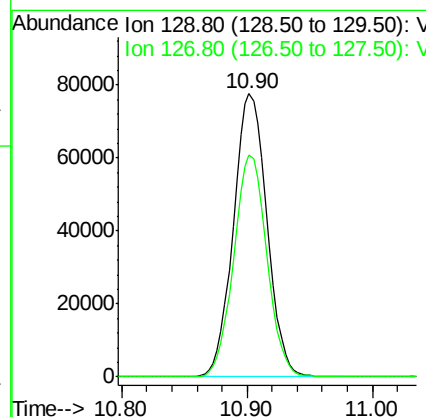
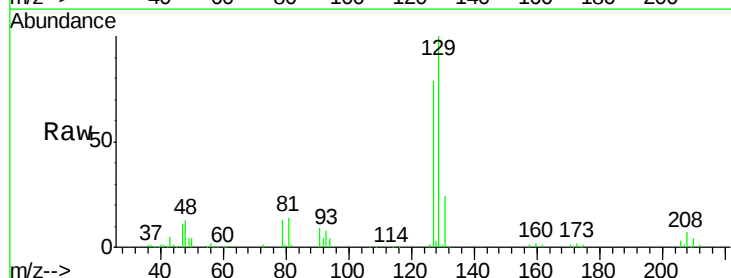
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

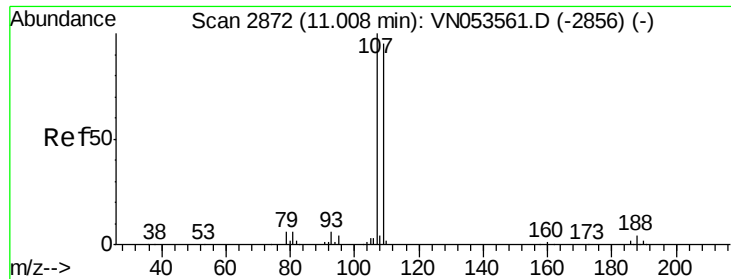
Tot Ion: 43 Resp: 383140
Ion Ratio Lower Upper
43 100
58 57.8 28.6 85.8



#60
Dibromochloromethane
Concen: 19.505 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Tgt Ion: 129 Resp: 143993
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8

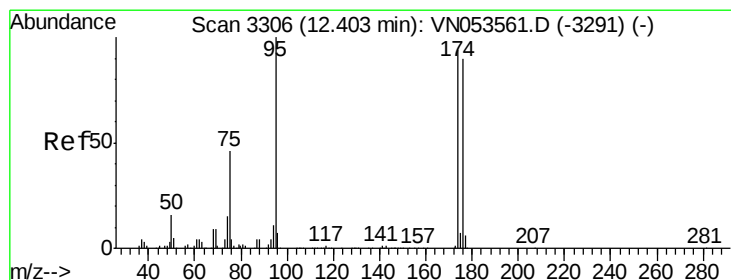
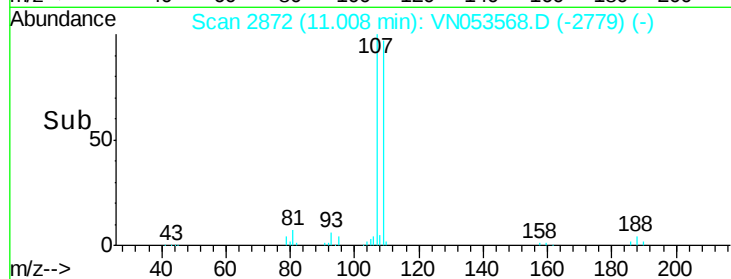
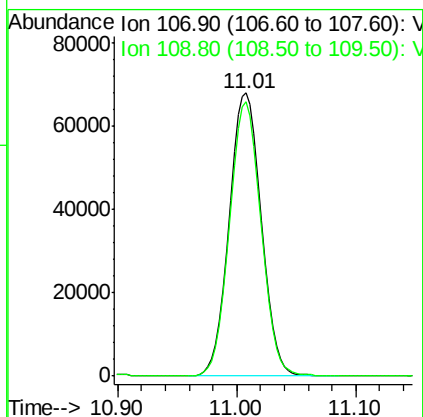
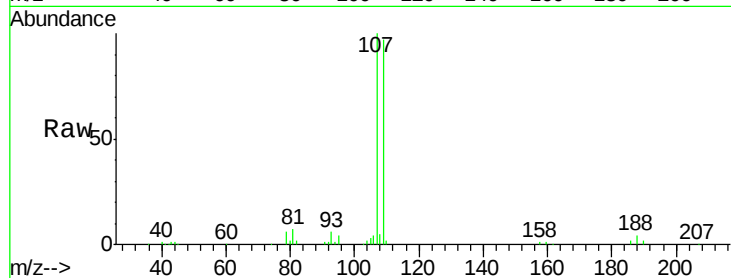




#61
 1,2-Dibromoethane
 Concen: 19.616 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

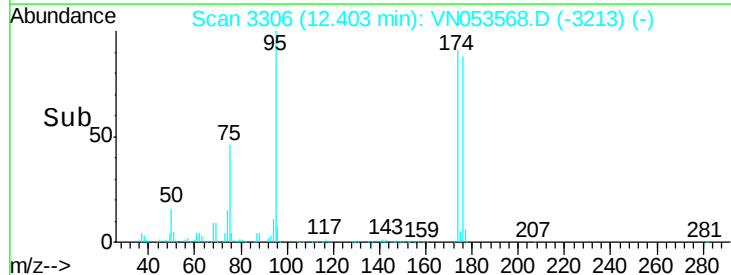
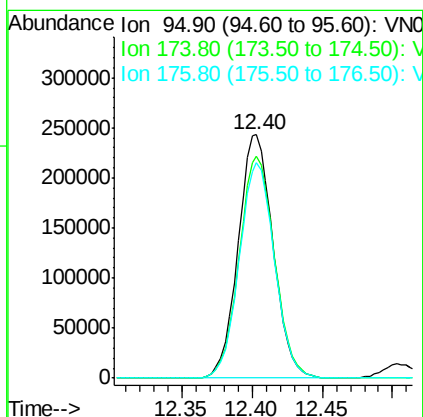
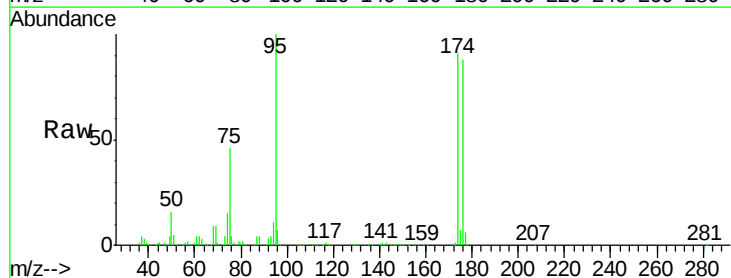
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

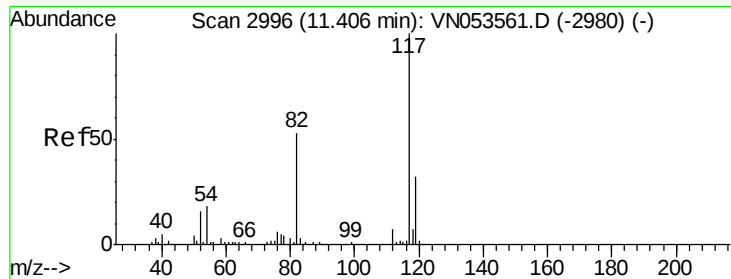
Tot Ion:107 Resp: 127107
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 19.616 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

Tgt Ion: 95 Resp: 421749
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 183.2
 176 89.3 0.0 177.4

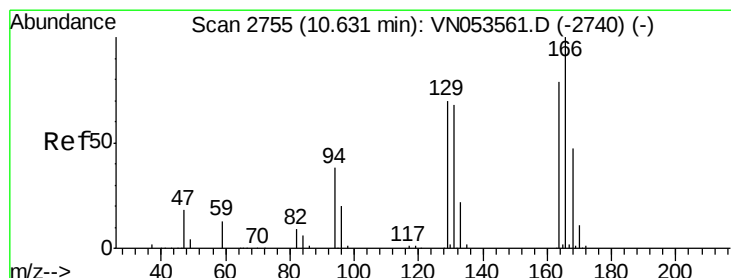
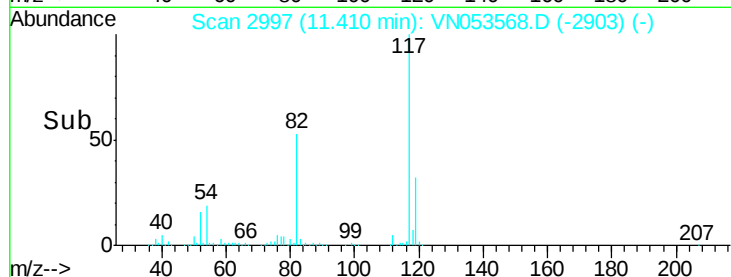
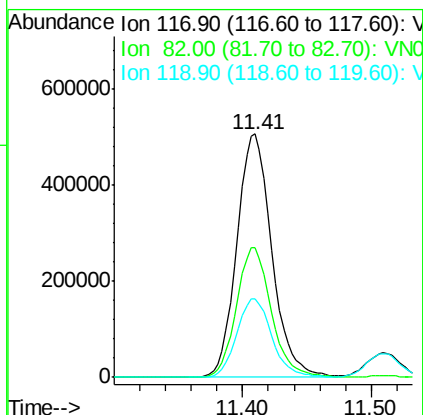
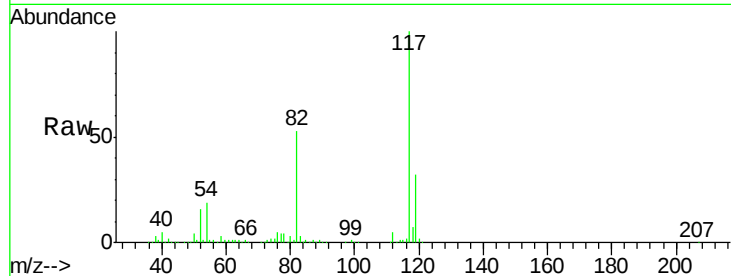




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

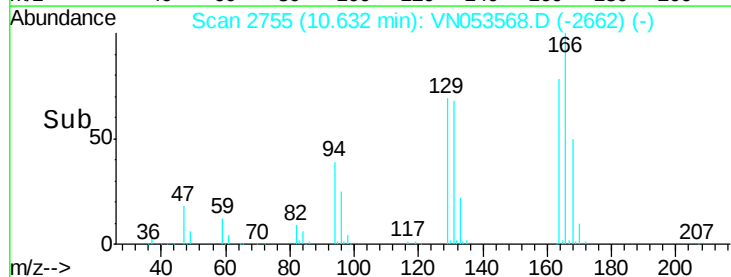
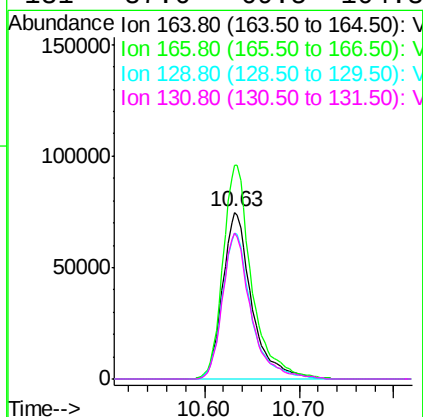
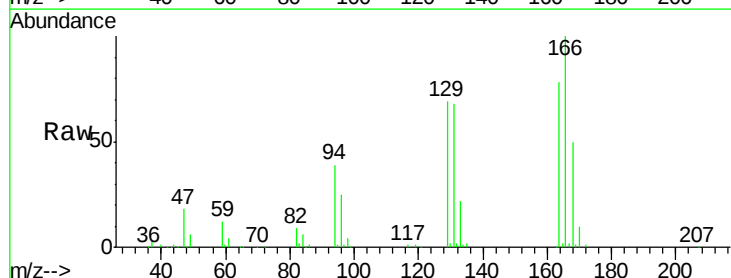
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

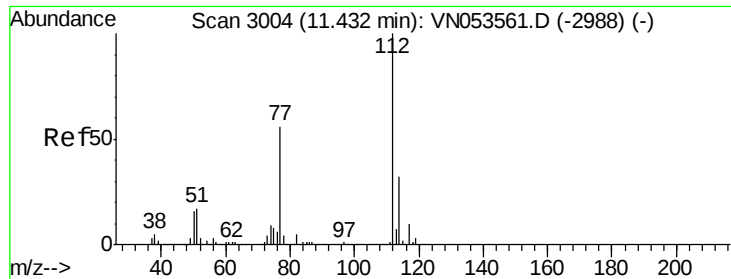
Tot Ion:117 Resp: 957870
Ion Ratio Lower Upper
117 100
82 53.1 42.9 64.3
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 19.401 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Tgt Ion:164 Resp: 159303
Ion Ratio Lower Upper
164 100
166 128.3 102.2 153.4
129 88.0 72.6 109.0
131 87.6 69.5 104.3





#65

Chlorobenzene

Concen: 19.539 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

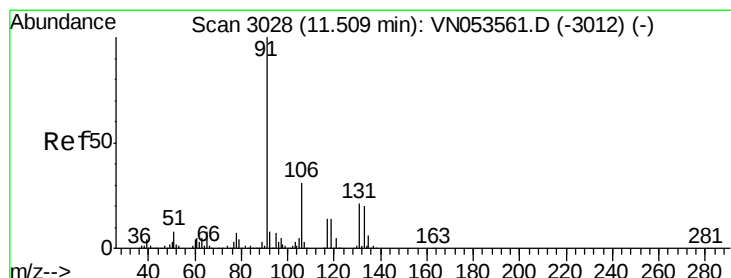
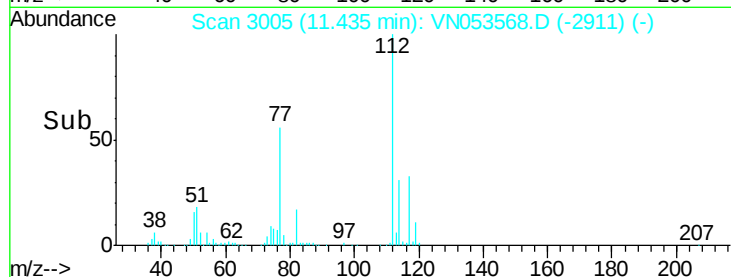
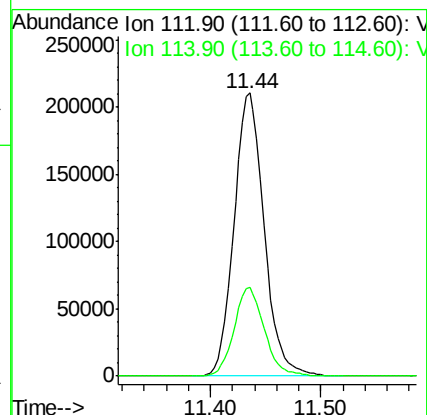
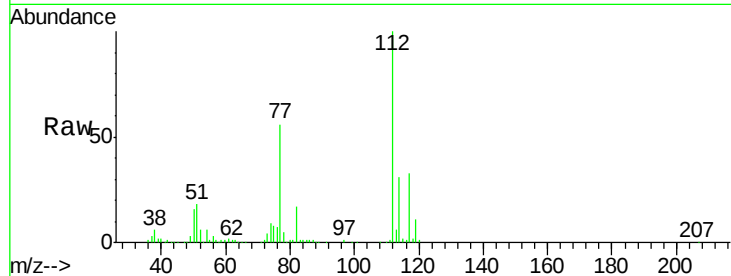
VN0130WBS01

Tot Ion:112 Resp: 397549

Ion Ratio Lower Upper

112 100

114 31.2 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 19.618 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

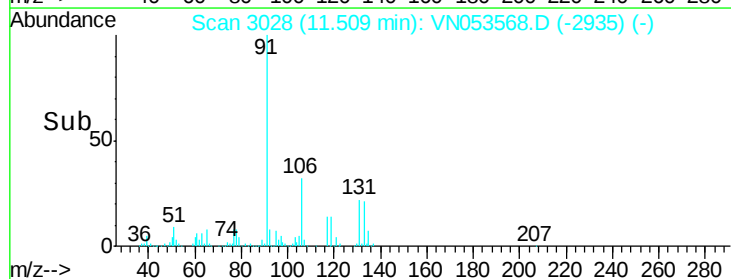
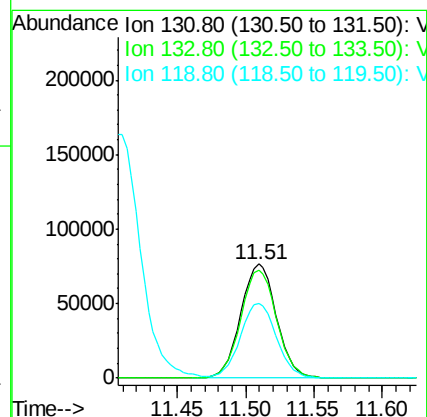
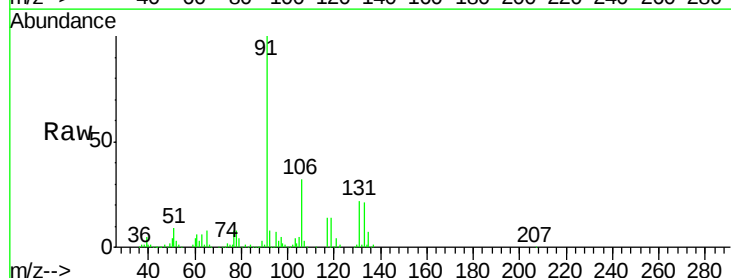
Tgt Ion:131 Resp: 139400

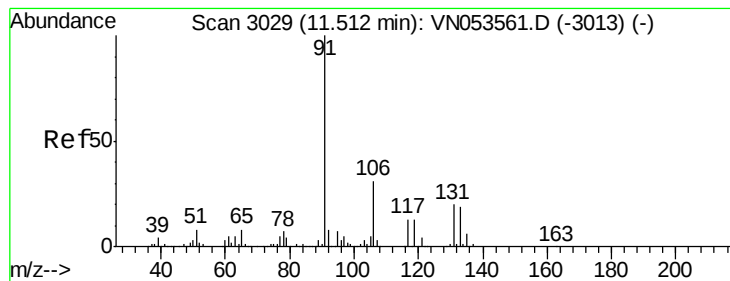
Ion Ratio Lower Upper

131 100

133 95.3 48.0 144.0

119 66.3 33.5 100.5





#67

Ethyl Benzene

Concen: 19.732 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

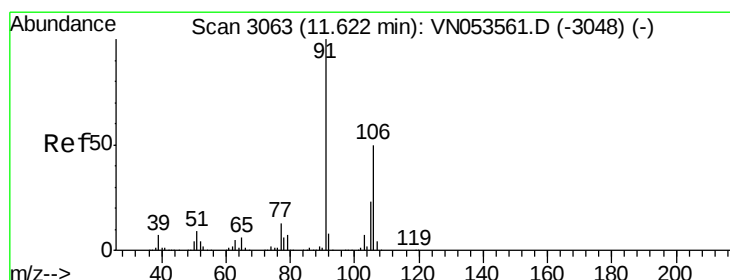
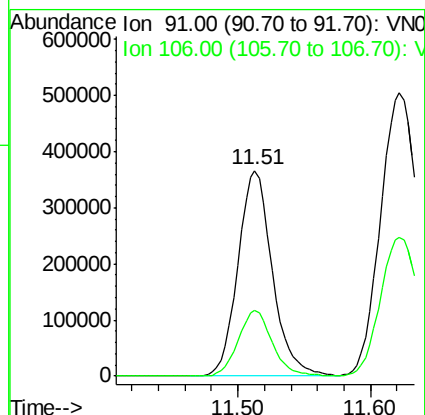
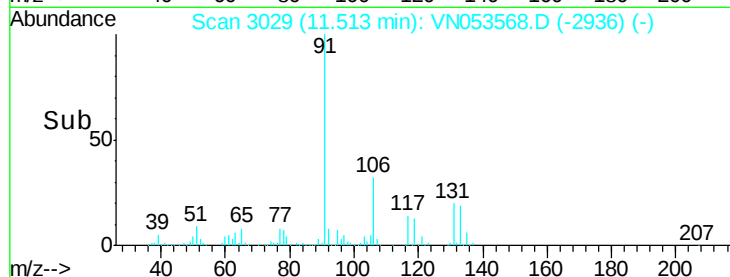
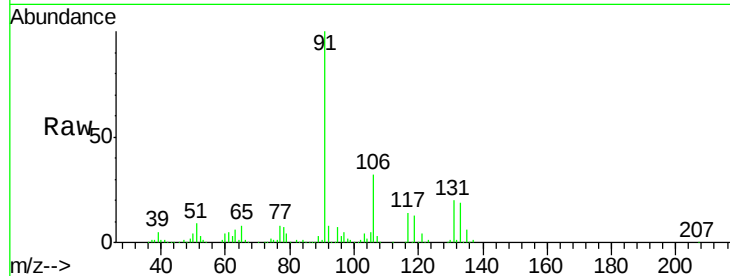
VN0130WBS01

Tot Ion: 91 Resp: 659484

Ion Ratio Lower Upper

91 100

106 32.0 25.0 37.6



#68

m/p-Xylenes

Concen: 40.053 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053568.D

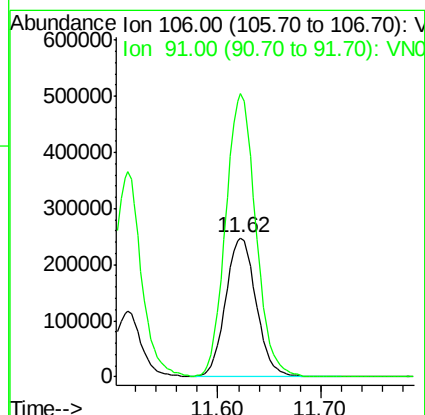
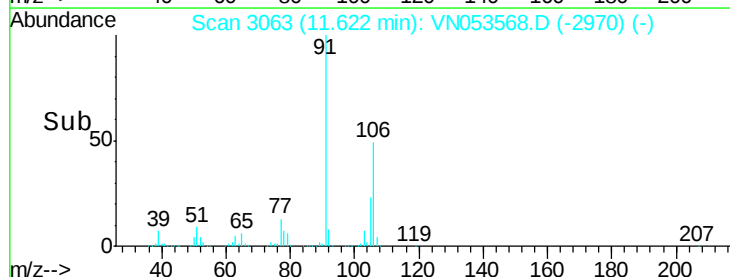
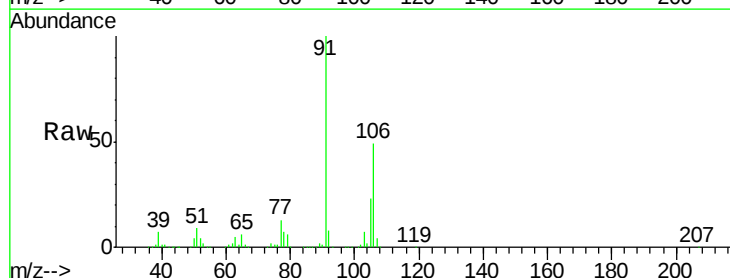
Acq: 30 Jan 2019 13:41

Tgt Ion: 106 Resp: 510924

Ion Ratio Lower Upper

106 100

91 201.2 161.4 242.2

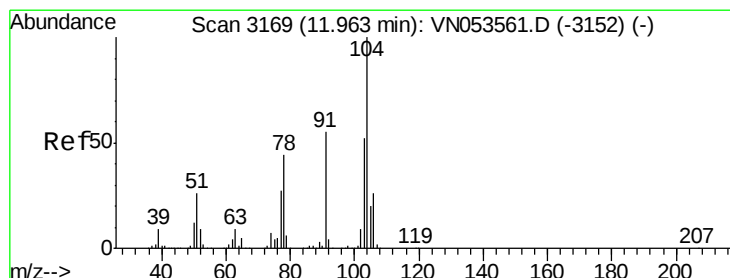
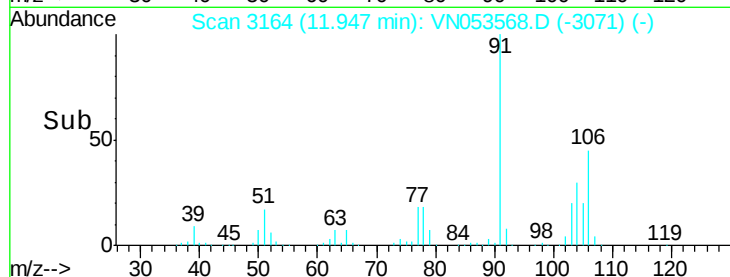
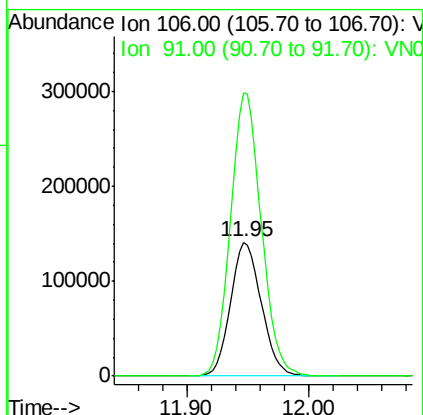
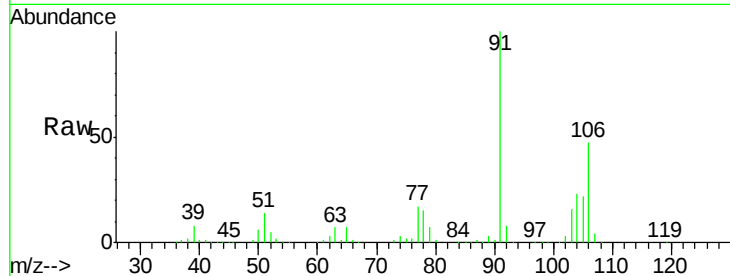




#69
o-Xylene
Concen: 20.103 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

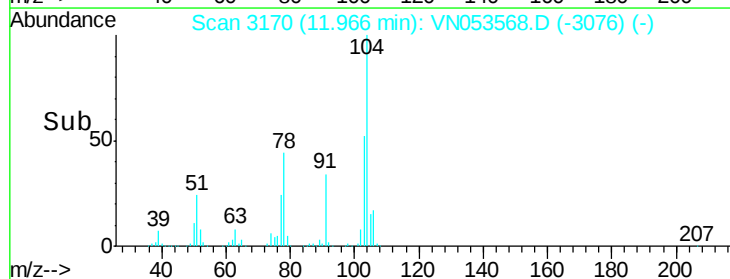
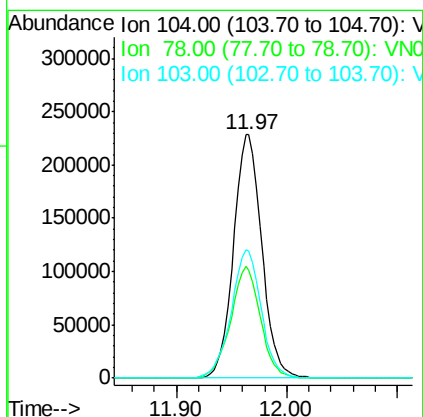
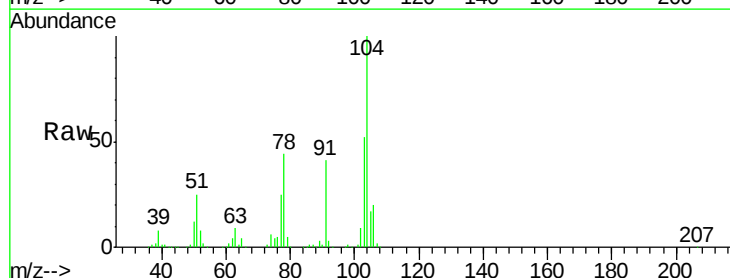
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

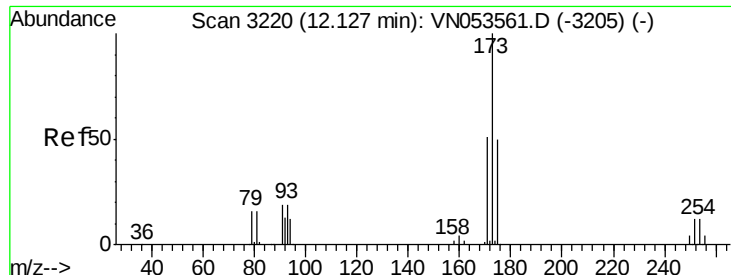
Tot Ion:106 Resp: 247736
Ion Ratio Lower Upper
106 100
91 211.5 106.9 320.8



#70
Styrene
Concen: 20.308 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Tgt Ion:104 Resp: 405639
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.2
103 56.0 44.4 66.6

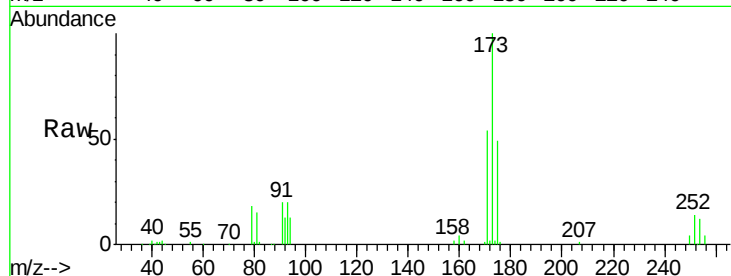




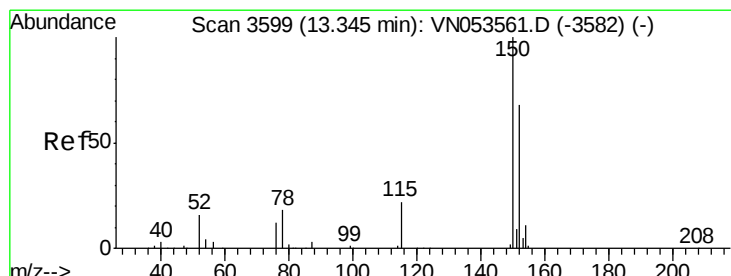
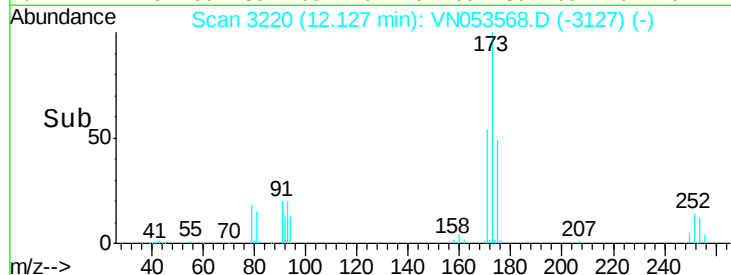
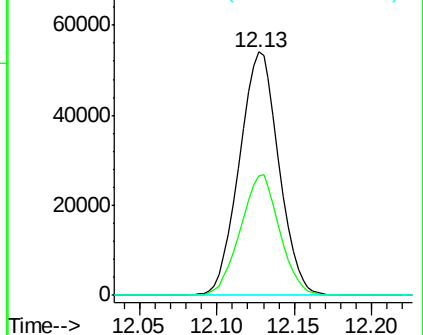
#71
 Bromoform
 Concen: 19.732 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

Tot Ion:173 Resp: 96125
 Ion Ratio Lower Upper
 173 100
 175 49.2 24.6 74.0
 254 0.0 0.2 0.2#

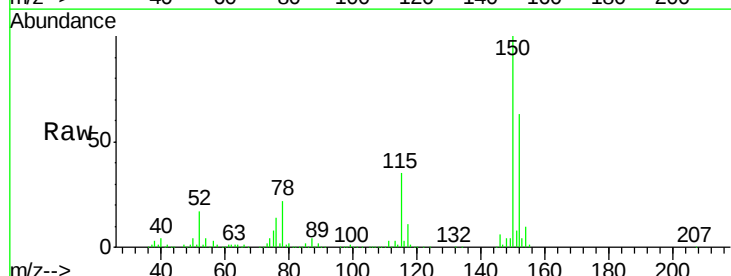


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

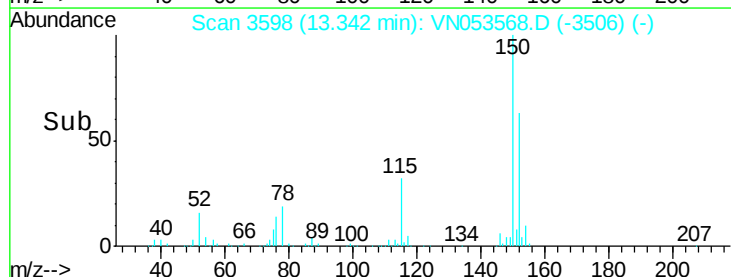
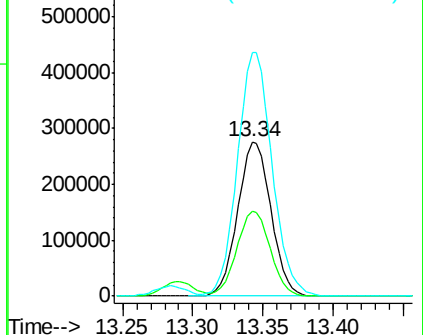


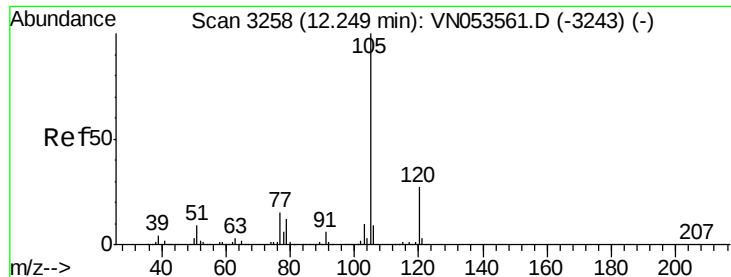
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

Tgt Ion:152 Resp: 456988
 Ion Ratio Lower Upper
 152 100
 115 55.3 27.8 83.4
 150 164.8 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: 20.058 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

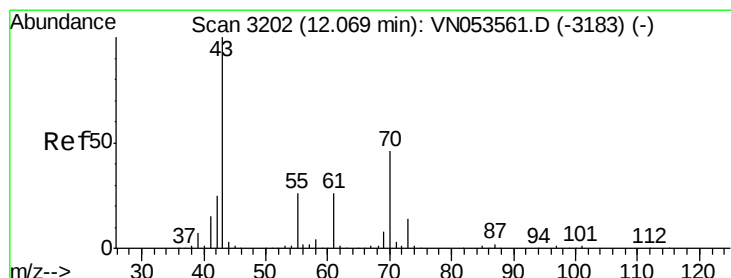
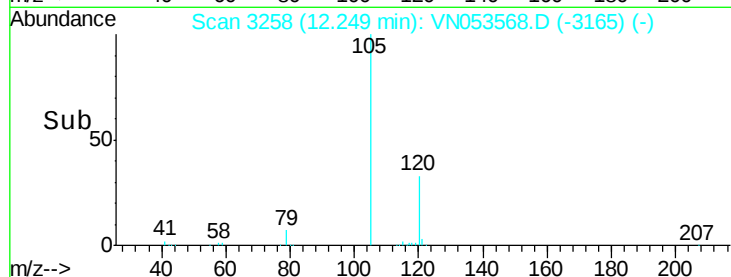
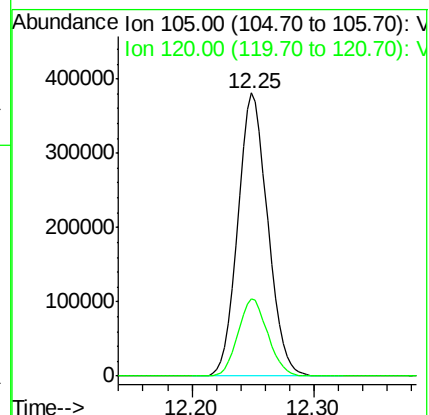
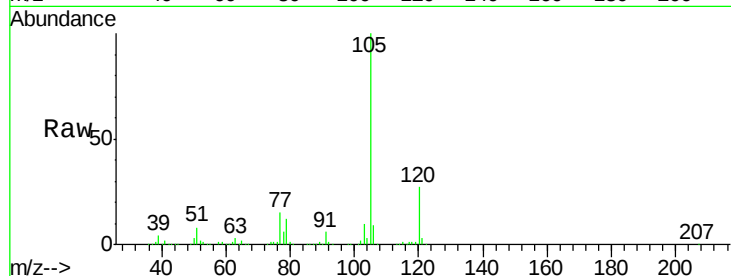
VN0130WBS01

Tot Ion:105 Resp: 644368

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 21.125 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Tgt Ion: 43 Resp: 163195

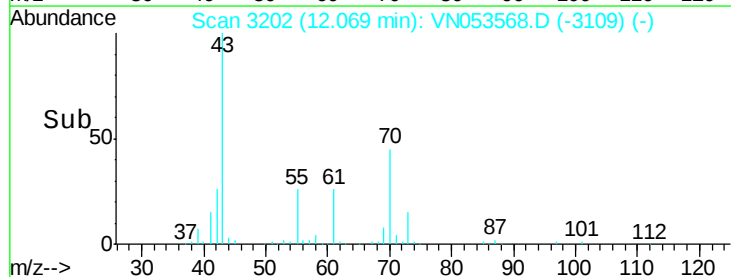
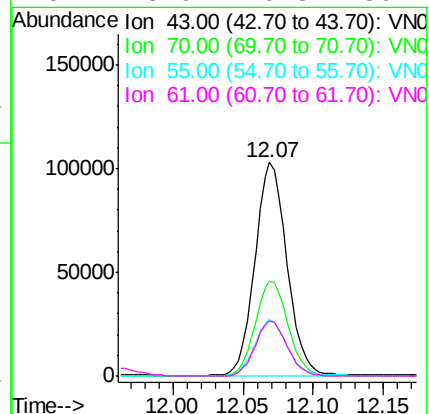
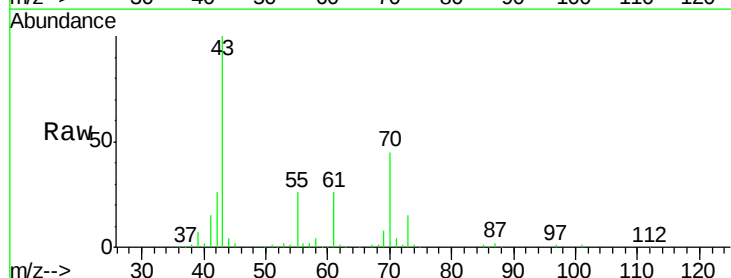
Ion Ratio Lower Upper

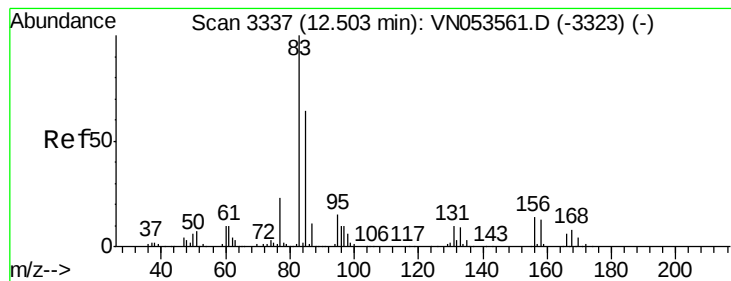
43 100

70 45.7 35.4 53.2

55 27.0 20.9 31.3

61 25.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.361 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

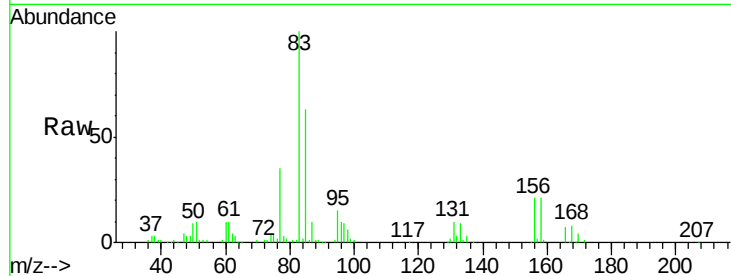
Tot Ion: 83 Resp: 156549

Ion Ratio Lower Upper

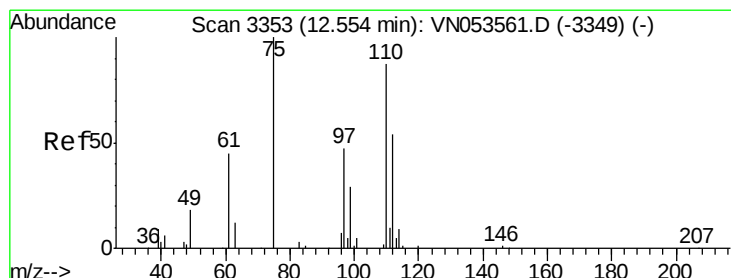
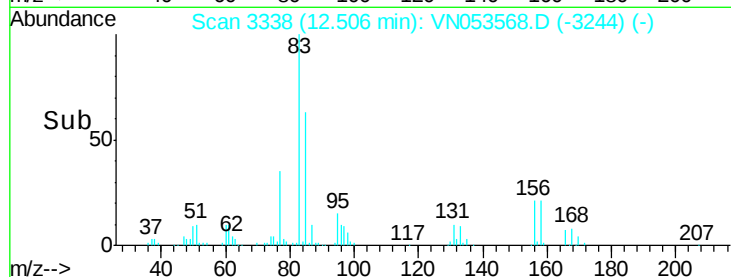
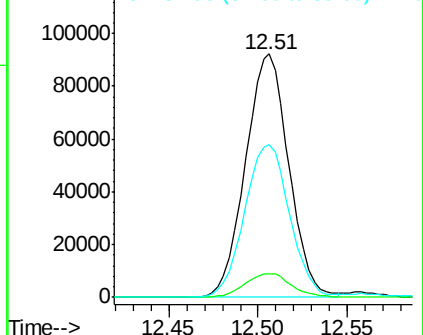
83 100

131 10.6 5.3 15.8

85 65.2 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 33.103 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053568.D

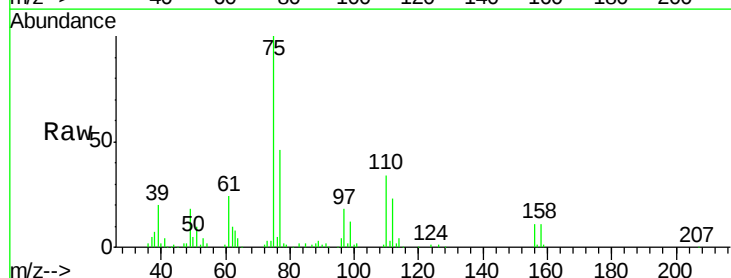
Acq: 30 Jan 2019 13:41

Tgt Ion: 75 Resp: 194308

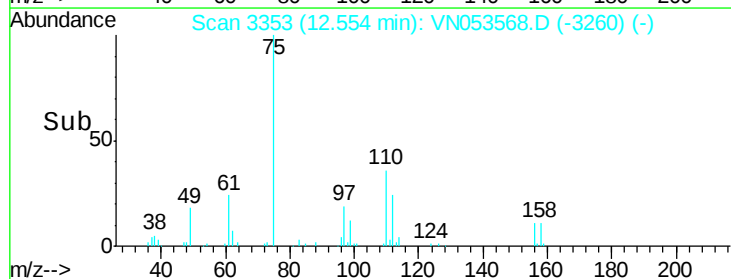
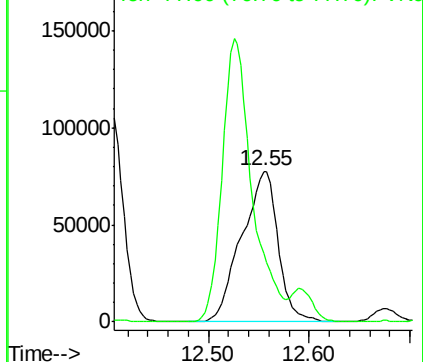
Ion Ratio Lower Upper

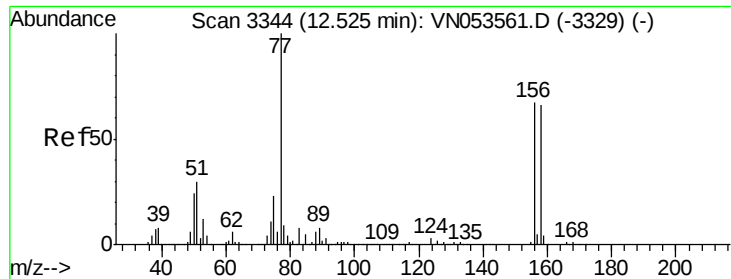
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.909 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

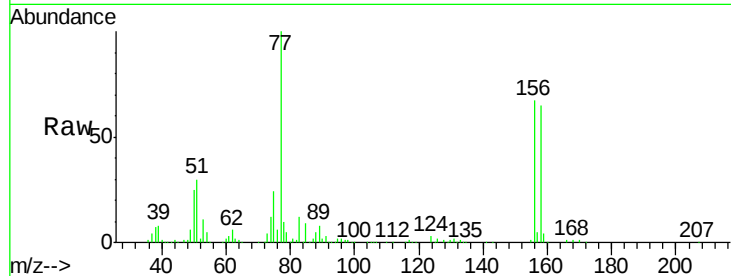
Tot Ion:156 Resp: 172378

Ion Ratio Lower Upper

156 100

77 175.8 87.9 263.8

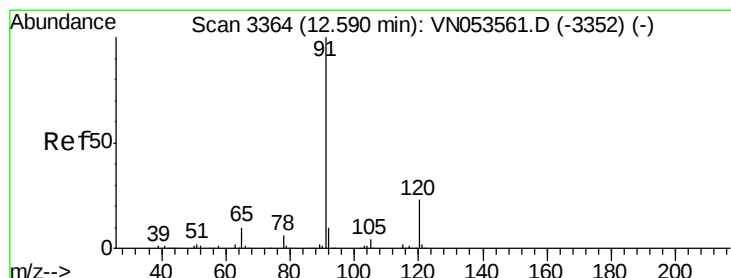
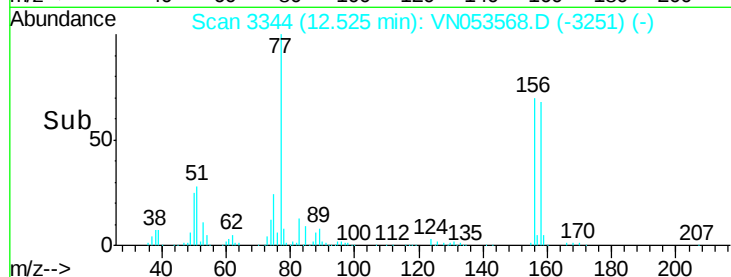
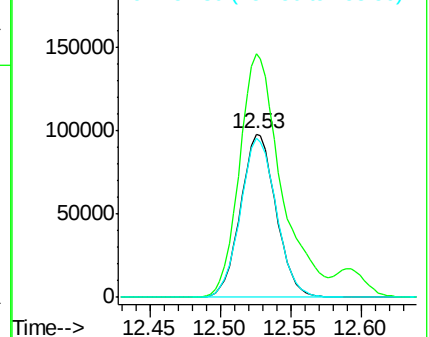
158 98.8 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.016 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053568.D

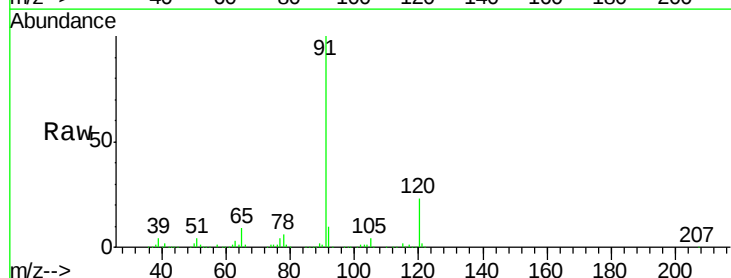
Acq: 30 Jan 2019 13:41

Tgt Ion: 91 Resp: 743331

Ion Ratio Lower Upper

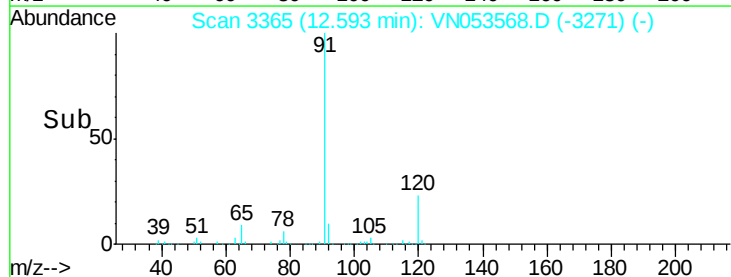
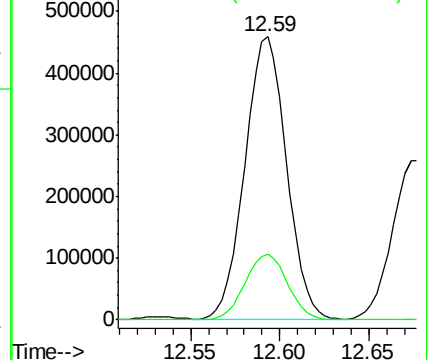
91 100

120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.133 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

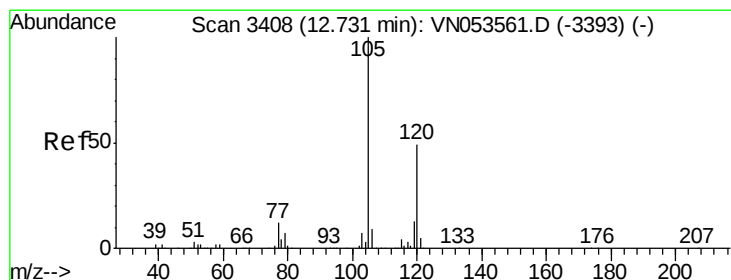
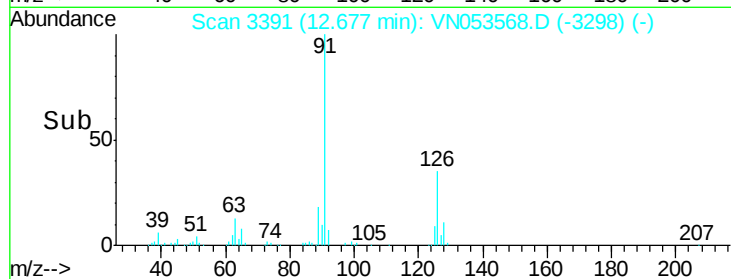
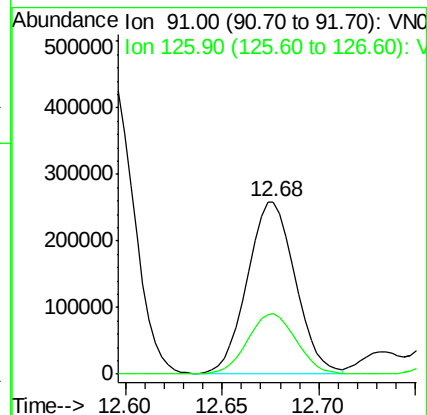
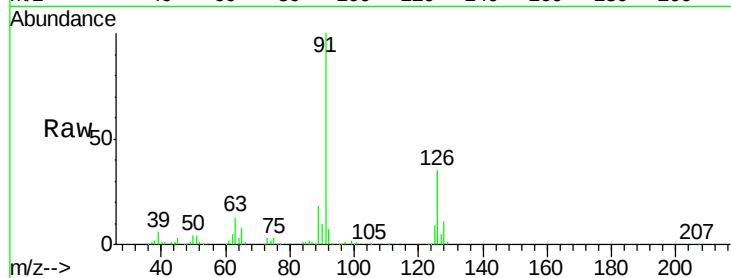
VN0130WBS01

Tot Ion: 91 Resp: 443583

Ion Ratio Lower Upper

91 100

126 35.7 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.722 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053568.D

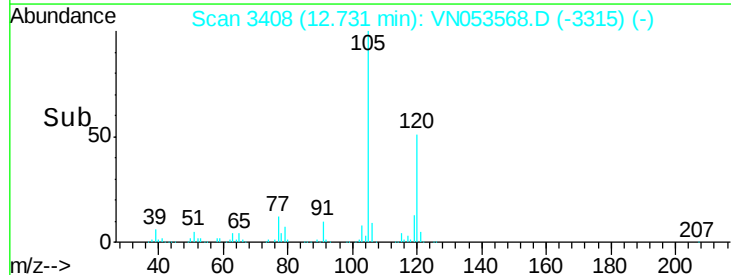
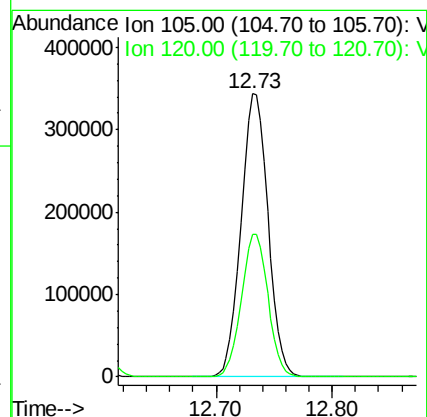
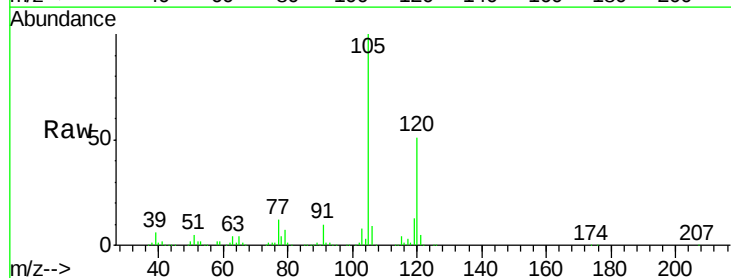
Acq: 30 Jan 2019 13:41

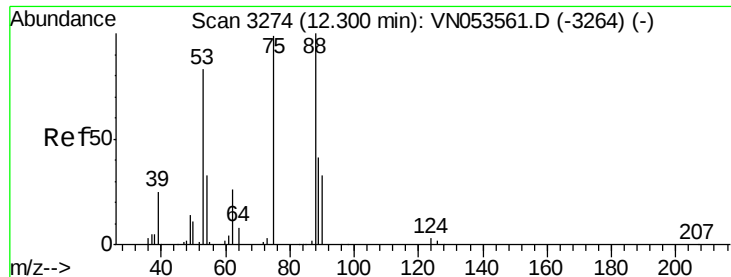
Tgt Ion: 105 Resp: 552044

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.543 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

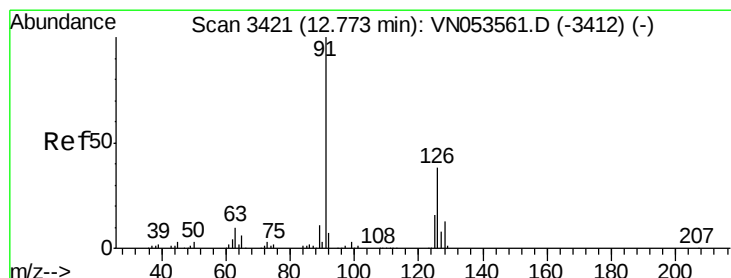
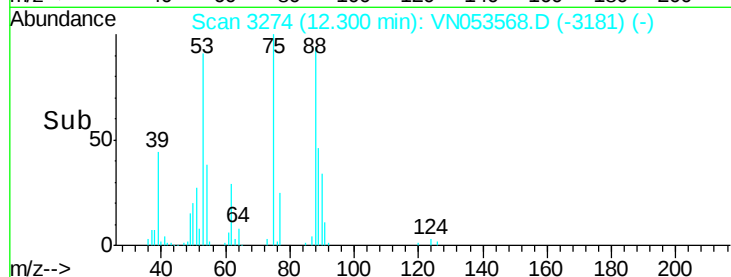
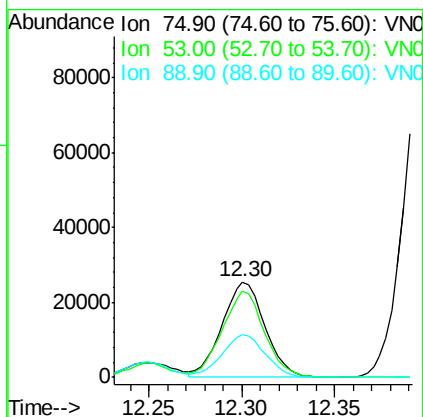
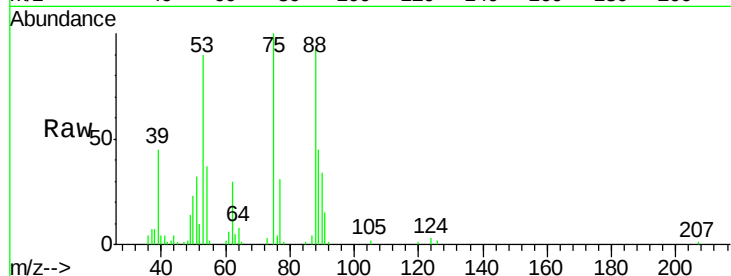
Tot Ion: 75 Resp: 40795

Ion Ratio Lower Upper

75 100

53 89.8 69.8 104.6

89 45.8 35.6 53.4



#82

4-Chlorotoluene

Concen: 19.955 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053568.D

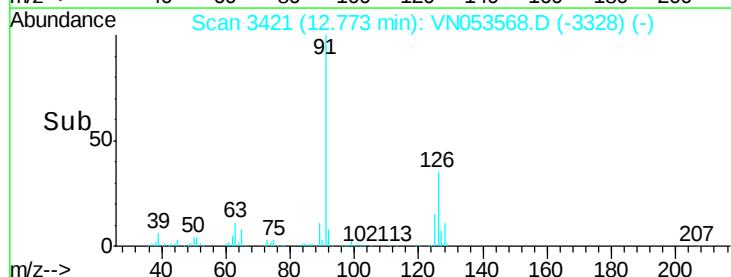
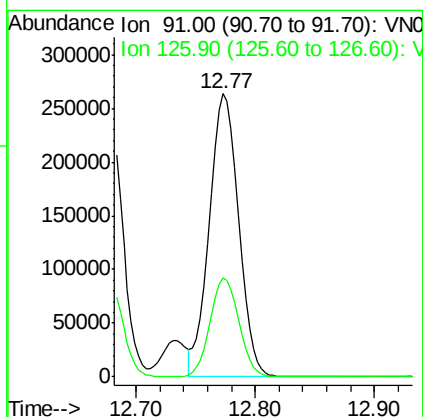
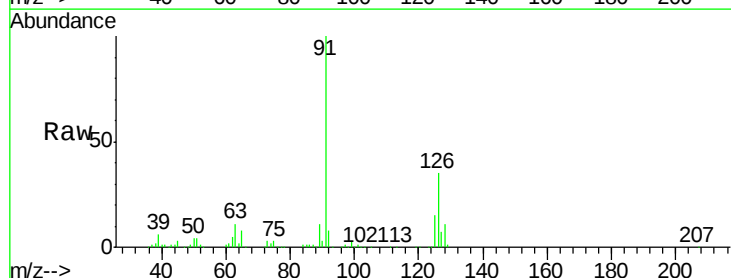
Acq: 30 Jan 2019 13:41

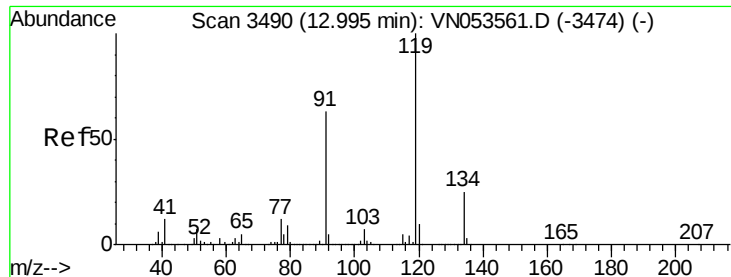
Tgt Ion: 91 Resp: 451160

Ion Ratio Lower Upper

91 100

126 34.5 17.6 52.9

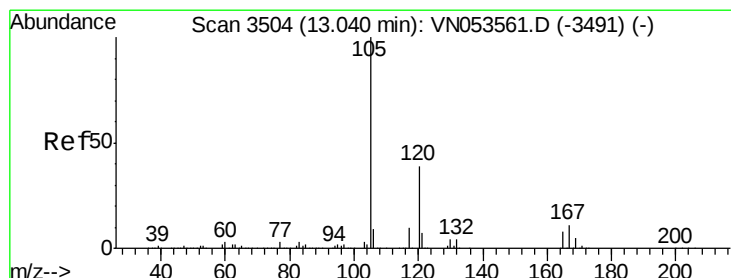
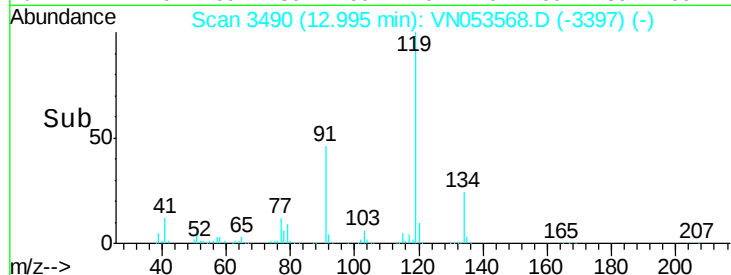
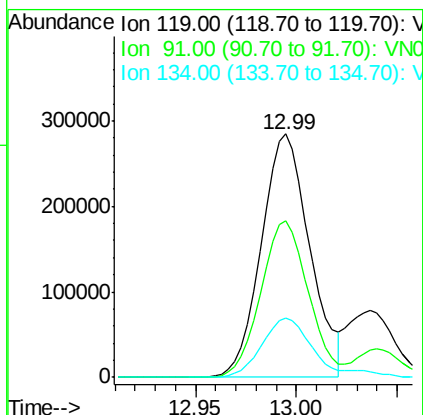
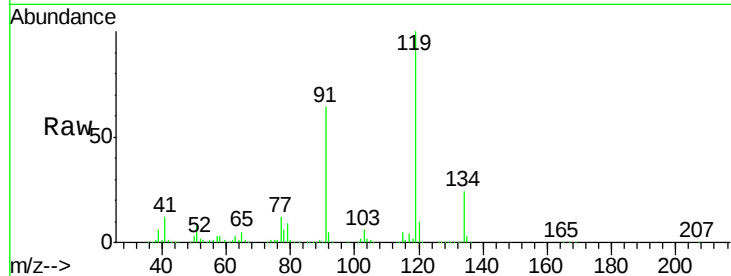




#83
 tert-Butylbenzene
 Concen: 20.261 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

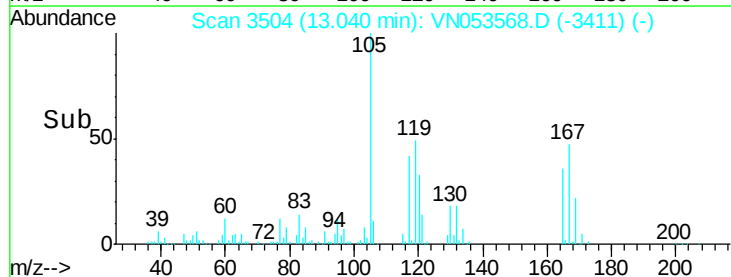
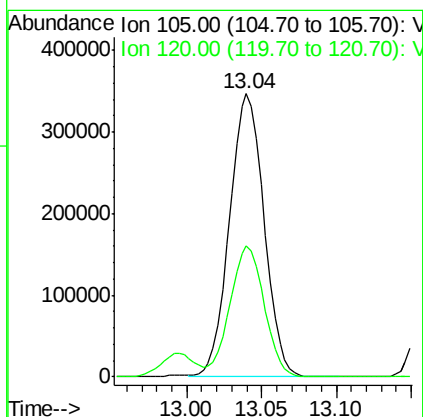
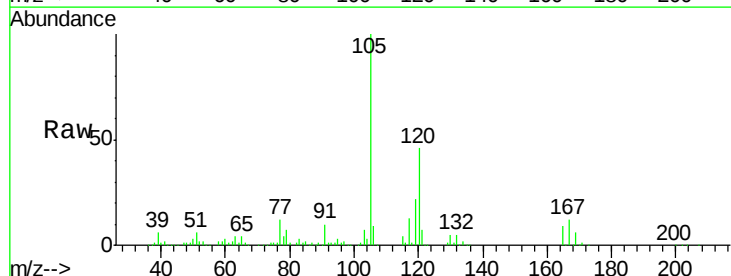
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

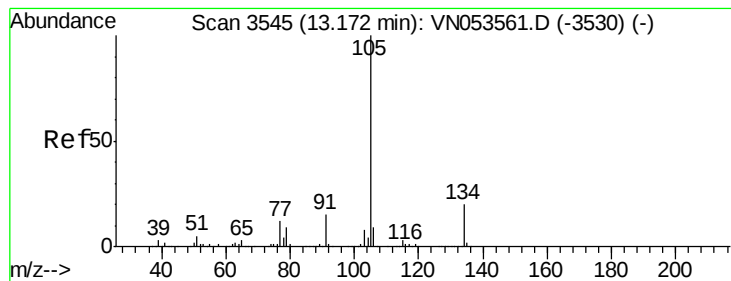
Tot Ion:119 Resp: 477045
 Ion Ratio Lower Upper
 119 100
 91 63.0 31.3 93.8
 134 26.3 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.507 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

Tgt Ion:105 Resp: 556579
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.461 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

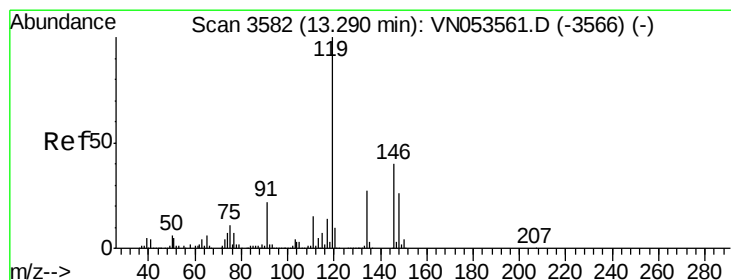
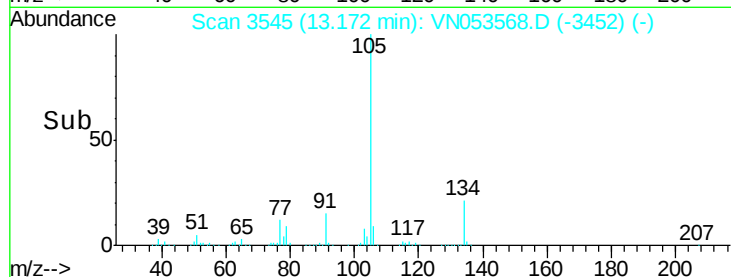
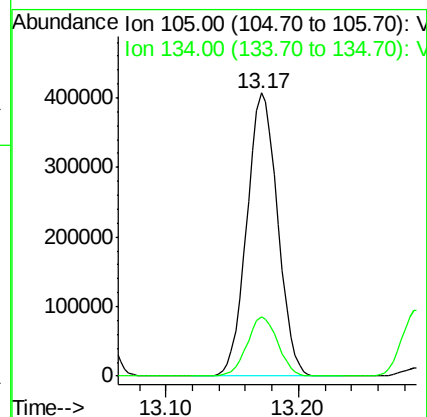
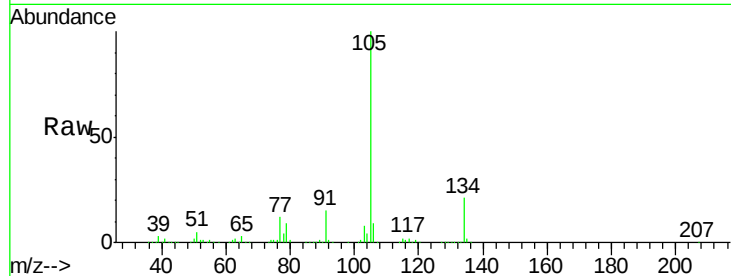
VN0130WBS01

Tot Ion:105 Resp: 655569

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.366 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

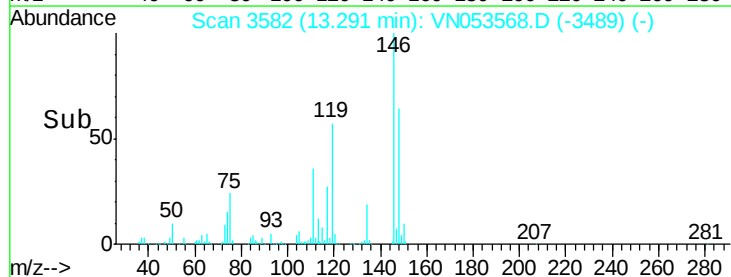
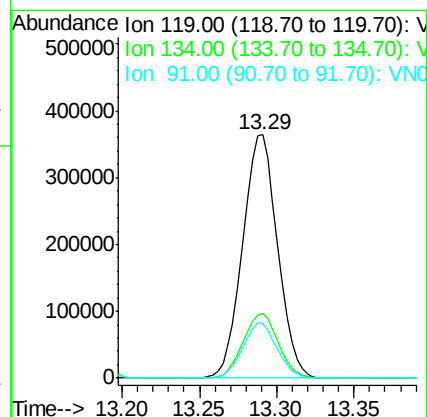
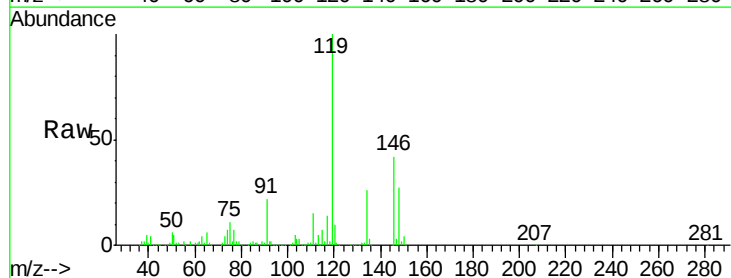
Tgt Ion:119 Resp: 570695

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.1 11.0 33.0

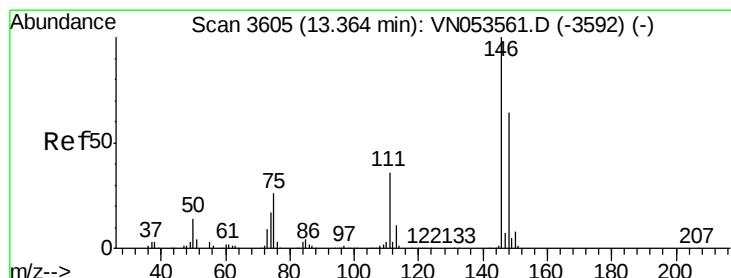
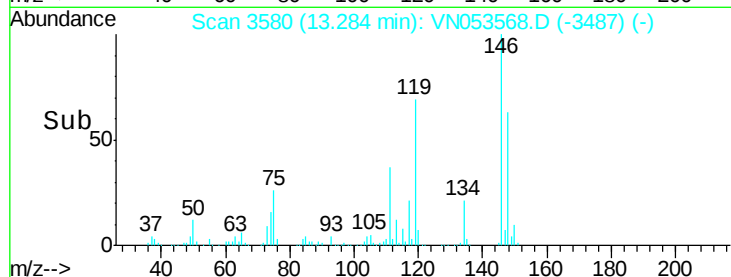
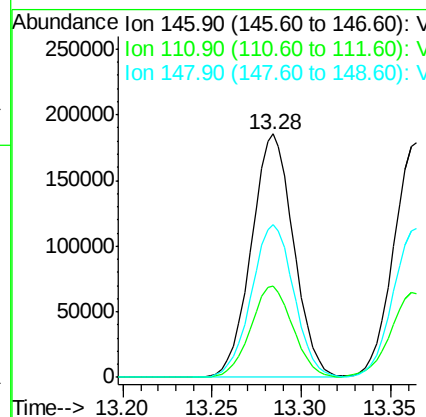
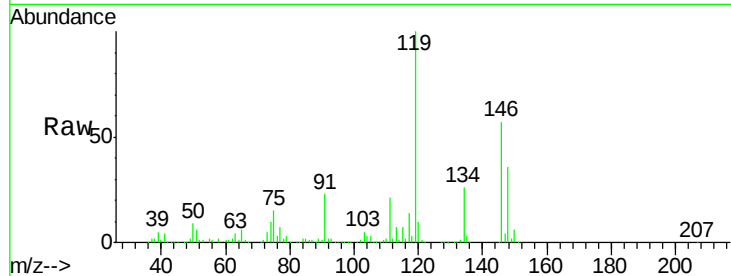




#87
 1,3-Dichlorobenzene
 Concen: 19.696 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

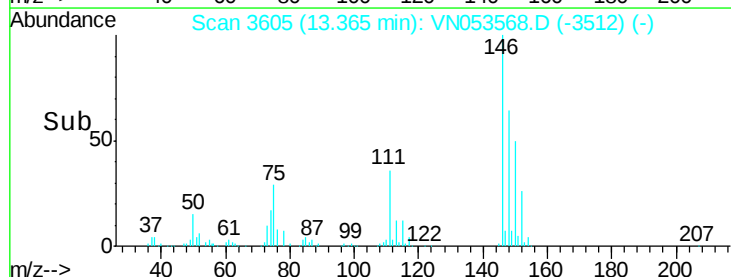
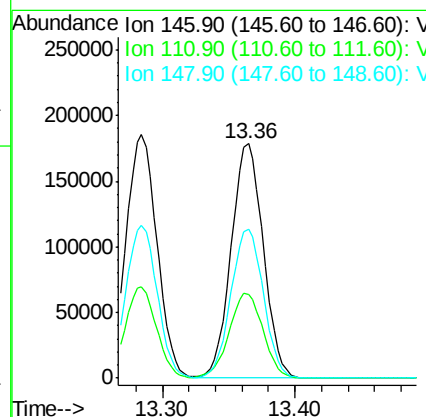
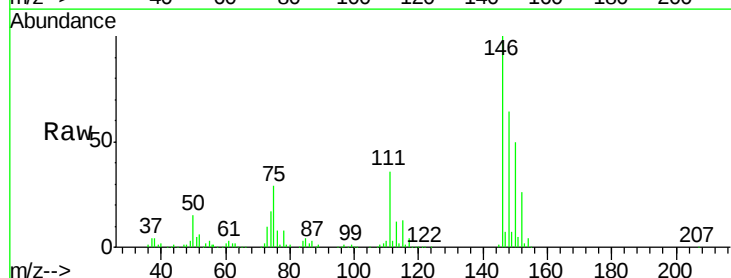
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

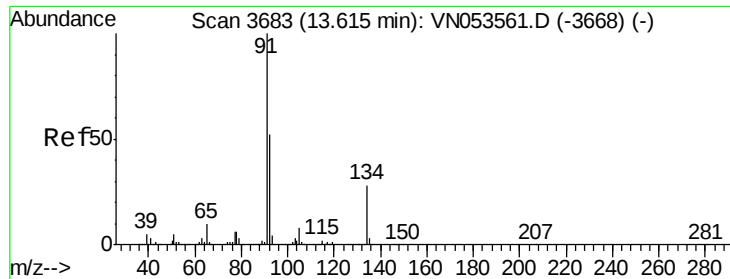
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.3
148	63.3	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.529 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	64.4	32.4	97.0

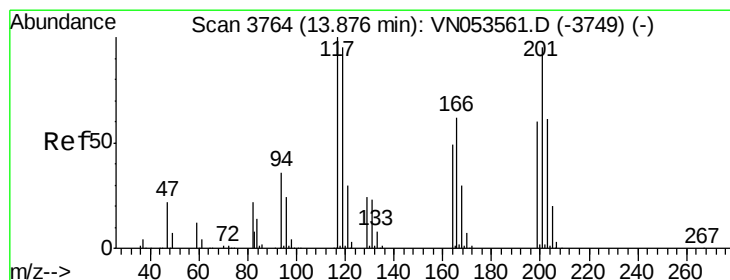
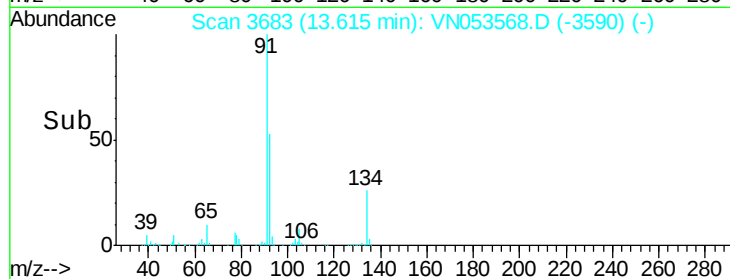
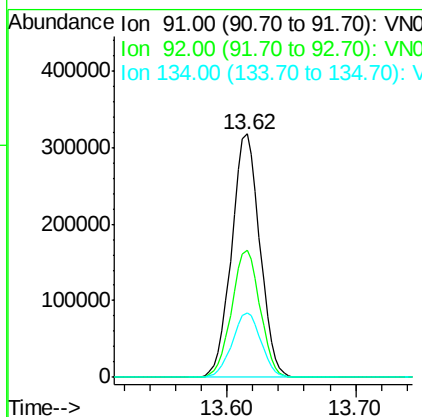
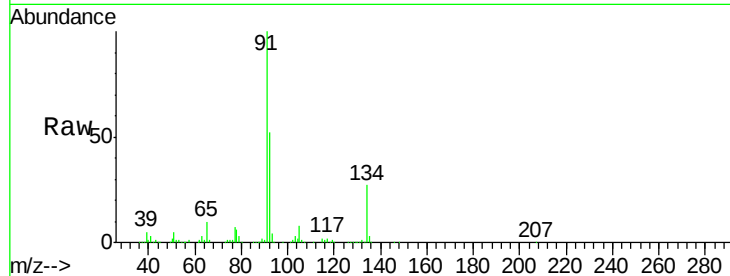




#89
n-Butylbenzene
Concen: 19.880 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

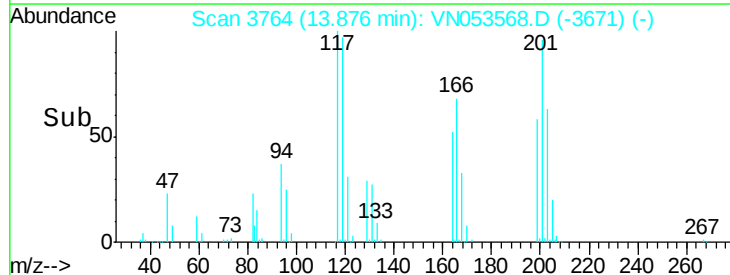
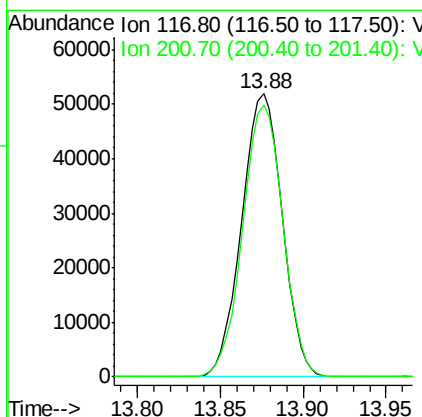
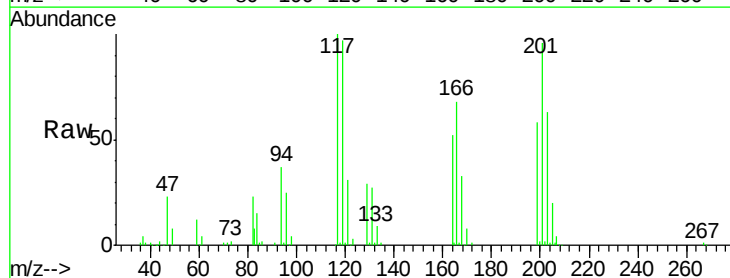
Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

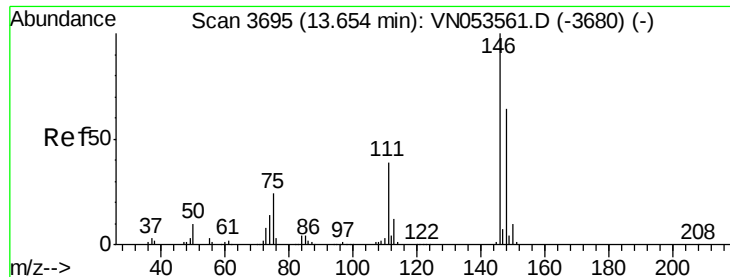
Tot Ion: 91 Resp: 482187
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.8
134 27.0 13.5 40.5



#90
Hexachloroethane
Concen: 19.149 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Tgt Ion: 117 Resp: 88509
Ion Ratio Lower Upper
117 100
201 95.5 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 20.031 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

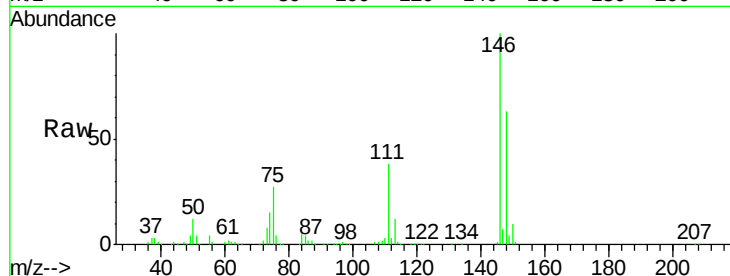
Tot Ion:146 Resp: 298465

Ion Ratio Lower Upper

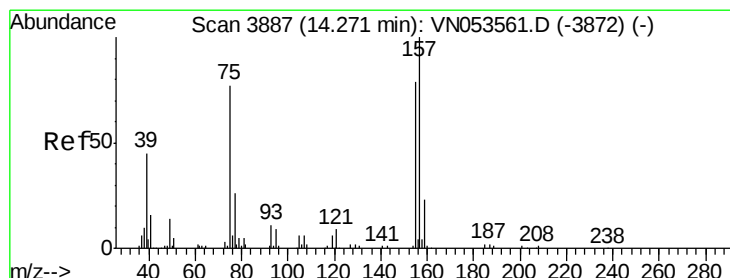
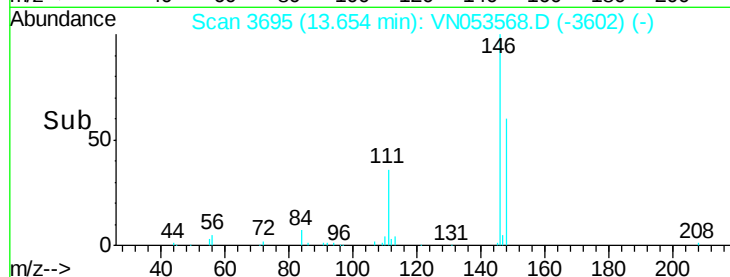
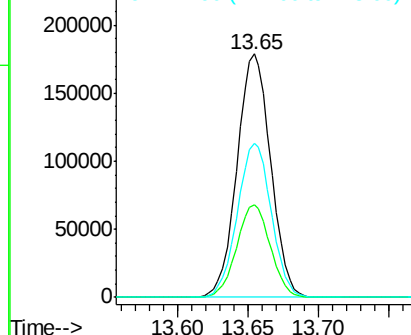
146 100

111 38.0 19.5 58.5

148 63.9 31.9 95.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.657 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053568.D

Acq: 30 Jan 2019 13:41

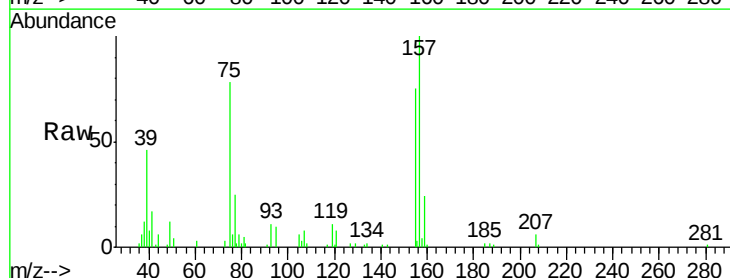
Tgt Ion: 75 Resp: 23730

Ion Ratio Lower Upper

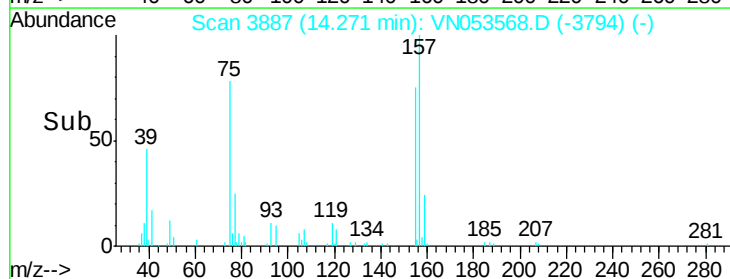
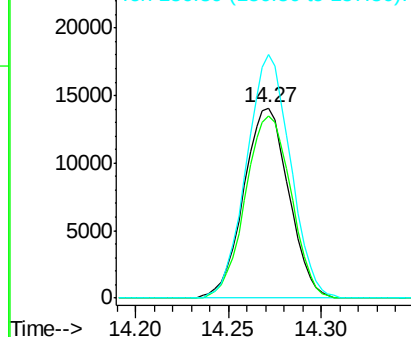
75 100

155 96.9 48.9 146.7

157 124.8 63.7 191.3



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

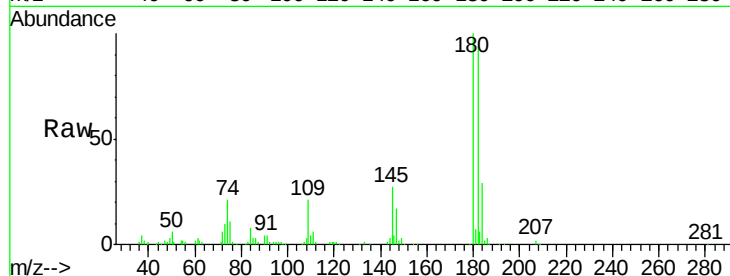




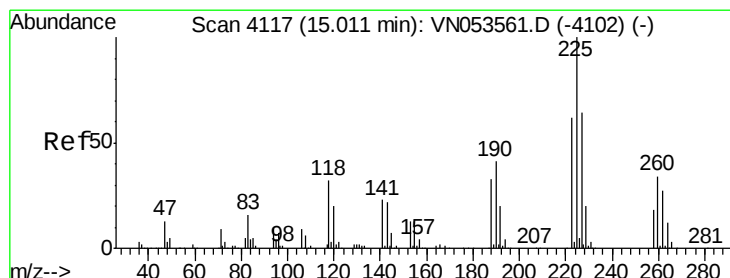
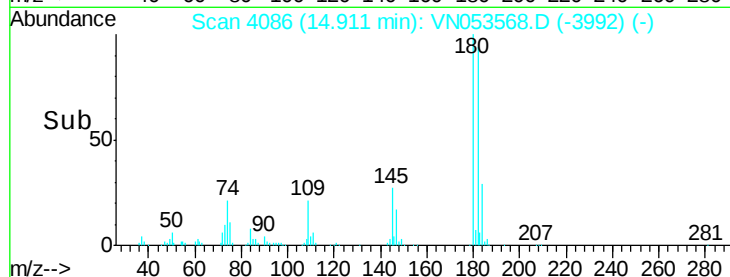
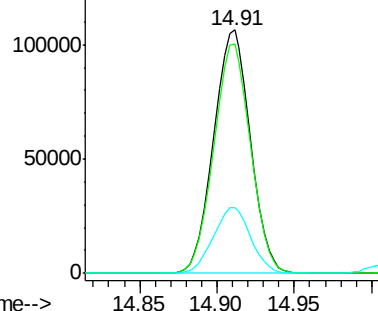
#93
 1,2,4-Trichlorobenzene
 Concen: 20.545 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0130WBS01

Tot Ion:180 Resp: 175573
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.1 144.3
 145 27.7 13.9 41.6

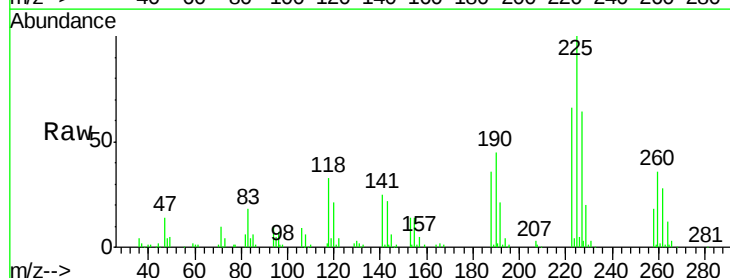


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

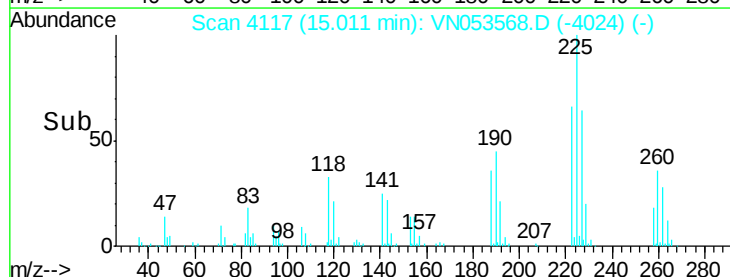
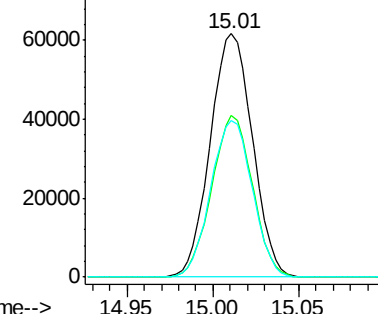


#94
 Hexachlorobutadiene
 Concen: 19.724 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053568.D
 Acq: 30 Jan 2019 13:41

Tgt Ion:225 Resp: 104972
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.1 93.2
 227 63.3 32.0 96.2



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

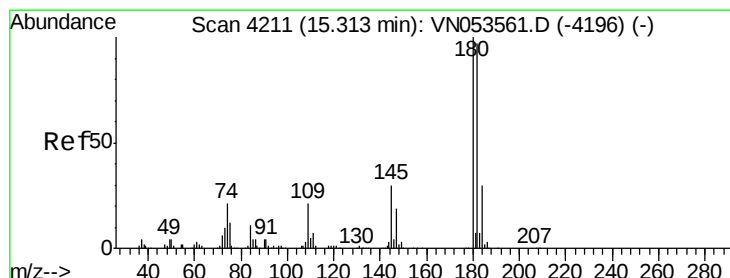
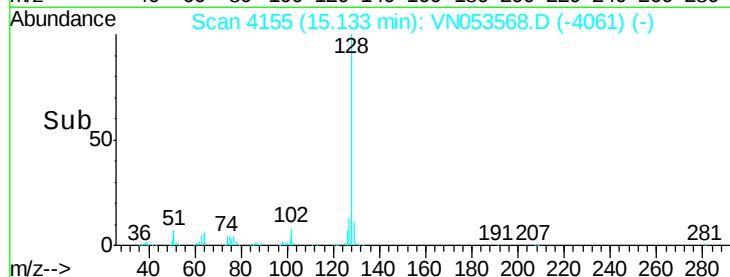
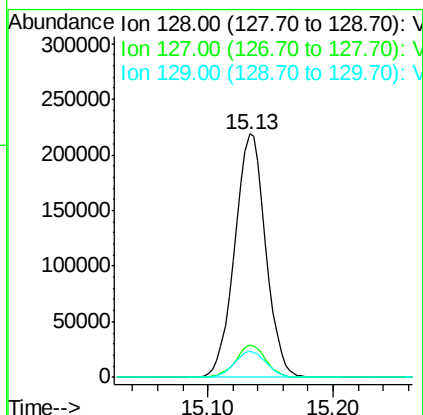
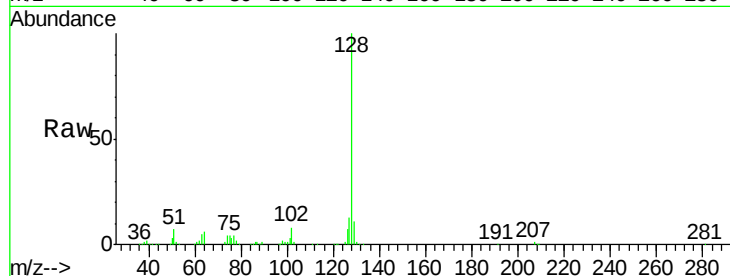




#95
Naphthalene
Concen: 19.702 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Tot Ion:128 Resp: 373633
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.645 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053568.D
Acq: 30 Jan 2019 13:41

Tgt Ion:180 Resp: 163706
Ion Ratio Lower Upper
180 100
182 96.2 47.9 143.8
145 30.4 14.7 44.1

