

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092818\
 Data File : VN051612.D
 Acq On : 28 Sep 2018 10:17
 Operator : MD\SY
 Sample : I.BLK
 Misc : Sample
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Sep 29 00:38:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 00:34:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	104825	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	565699	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	446348	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	220893	30.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.87%
60) 4-Bromofluorobenzene	12.40	95	157790	22.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.63%
63) Toluene-d8	10.09	98	630308	29.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.77%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	3375	0.367 ug/l	95
3) Chloromethane	2.06	50	2766	0.269 ug/l	99
4) Vinyl Chloride	2.18	62	3234	0.320 ug/l #	79
7) Trichlorofluoromethane	3.01	101	2927	0.237 ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1714	0.246 ug/l	56
10) 1,1-Dichloroethene	3.74	96	1920	0.303 ug/l #	70
11) Methyl Iodide	3.96	142	2424	0.298 ug/l #	91
12) Methyl Acetate	4.34	43	7214	1.291 ug/l	93
13) Acrolein	3.61	56	657	1.065 ug/l #	70
14) Acrylonitrile	4.99	53	1745	0.780 ug/l #	25
15) Acetone	3.84	58	298	0.508 ug/l #	1
16) Carbon Disulfide	4.05	76	34280	1.681 ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	2116	0.315 ug/l #	88
22) cis-1,2-Dichloroethene	6.83	96	1497	0.204 ug/l #	67
23) tert-Butyl Alcohol	4.36	59	109	0.256 ug/l #	100
36) 1,2-Dichloroethane	8.13	62	2307	0.253 ug/l #	86
38) Methylcyclohexane	9.08	83	2591	0.233 ug/l #	85
40) Dibromomethane	9.21	93	1720	0.395 ug/l	71
45) 1,4-Dioxane	9.20	88	64	1.089 ug/l #	1
47) n-amyl Acetate	12.08	43	2694	0.331 ug/l	99
48) t-1,3-Dichloropropene	10.38	75	2337	0.246 ug/l #	81
51) Ethyl methacrylate	10.10	69	2190	0.293 ug/l	73
55) 2-Chloroethyl vinyl ether	9.70	63	1223	0.331 ug/l #	62
58) 4-Methyl-2-Pentanone	9.99	43	2347	0.463 ug/l #	92
61) Tetrachloroethene	10.63	164	3132	0.496 ug/l	84
64) Chlorobenzene	11.44	112	5731	0.346 ug/l	97
66) Ethyl Benzene	11.51	91	6718	0.240 ug/l	100
67) m/p-Xylenes	11.63	106	4832	0.448 ug/l	89
69) Styrene	11.97	104	4149	0.257 ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.51	83	1656	0.249 ug/l #	91
72) 1,2,3-Trichloropropane	12.56	75	2421	0.442 ug/l	1
73) Bromobenzene	12.53	156	2916	0.426 ug/l	95
74) n-propylbenzene	12.59	91	9696	0.303 ug/l	90
75) 2-Chlorotoluene	12.67	91	5992	0.314 ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	4907	0.214 ug/l	89
78) 4-Chlorotoluene	12.78	91	7979	0.423 ug/l	91
79) tert-butylbenzene	12.99	119	4816	0.242 ug/l	93

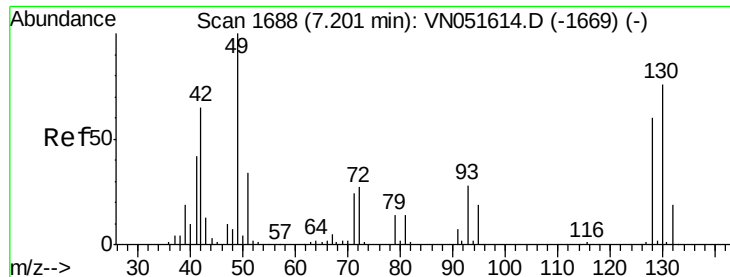
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092818\
 Data File : VN051612.D
 Acq On : 28 Sep 2018 10:17
 Operator : MD\SY
 Sample : I.BLK
 Misc : Sample
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Sep 29 00:38:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 00:34:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,2,4-Trimethylbenzene	13.04	105	5166	0.225	ug/l	97
81) sec-Butylbenzene	13.17	105	6724	0.245	ug/l	97
82) p-Isopropyltoluene	13.29	119	5849	0.249	ug/l	83
83) 1,3-Dichlorobenzene	13.29	146	7218	0.606	ug/l	96
84) 1,4-Dichlorobenzene	13.36	146	7472	0.667	ug/l	93
85) n-Butylbenzene	13.62	91	7245	0.376	ug/l	98
86) Hexachloroethane	13.88	117	1341	0.285	ug/l	89
87) 1,2-Dichlorobenzene	13.66	146	7135	0.612	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	1060	1.094	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	11039	2.023	ug/l	97
90) Hexachlorobutadiene	15.01	225	7740	1.740	ug/l	95
91) Naphthalene	15.14	128	25655	2.503	ug/l	97
92) 1,2,3-Trichlorobenzene	15.32	180	15656	2.852	ug/l	94

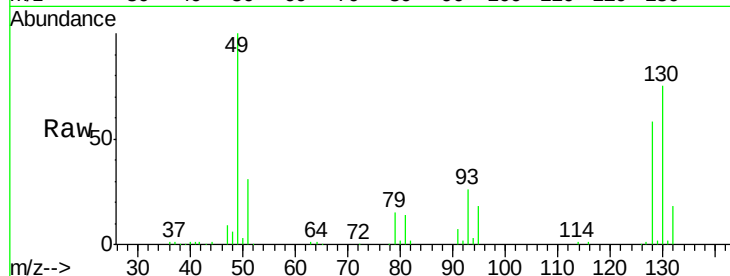
(#) = qualifier out of range (m) = manual integration (+) = signals summed



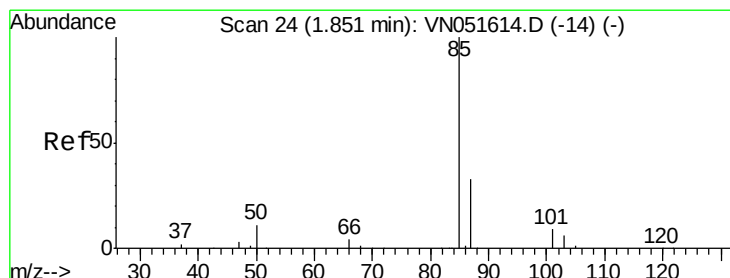
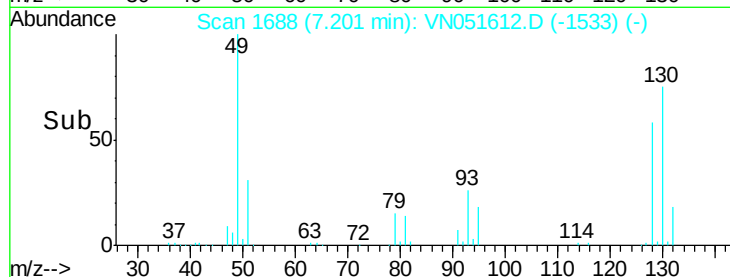
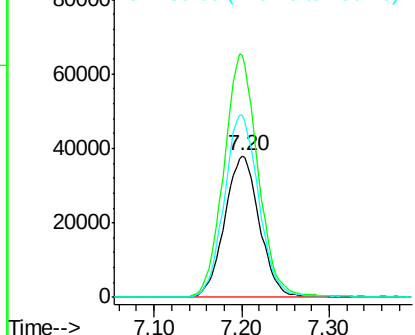
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

Tgt Ion:128 Resp: 104825
 Ion Ratio Lower Upper
 128 100
 49 167.7 0.0 426.8
 130 127.6 0.0 326.3

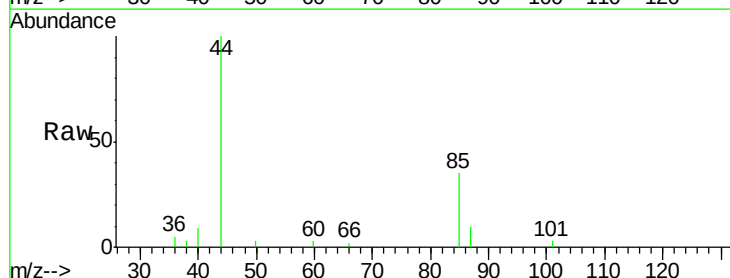


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

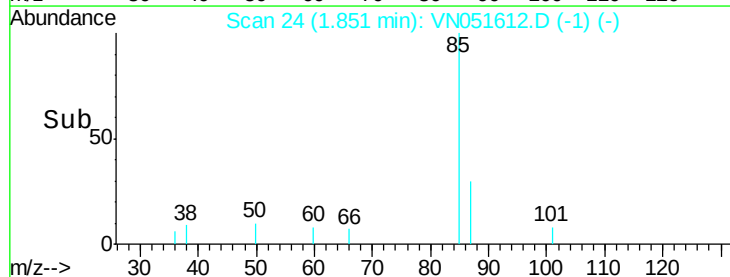
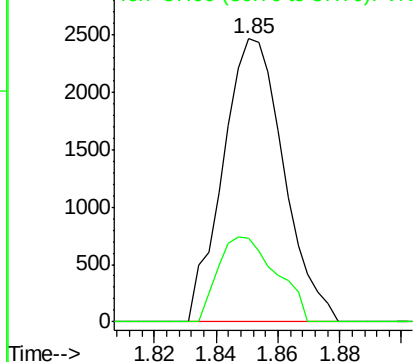


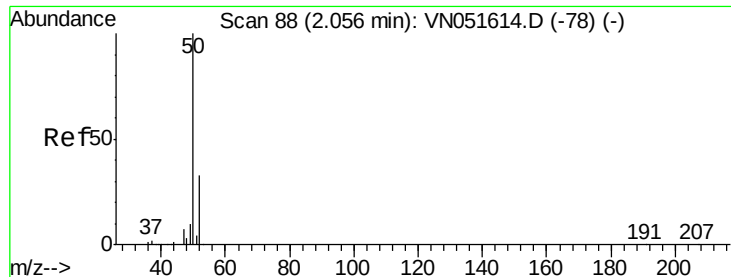
#2
 Dichlorodifluoromethane
 Concen: 0.367 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

Tgt Ion: 85 Resp: 3375
 Ion Ratio Lower Upper
 85 100
 87 29.6 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 0.269 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampled :

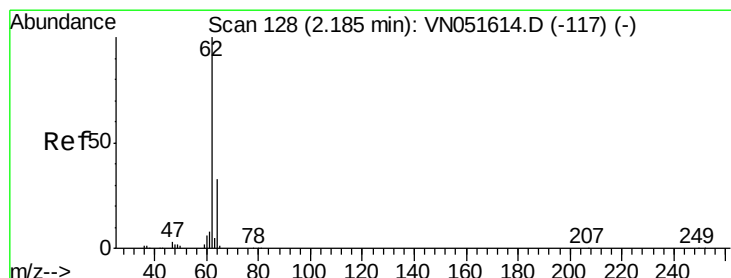
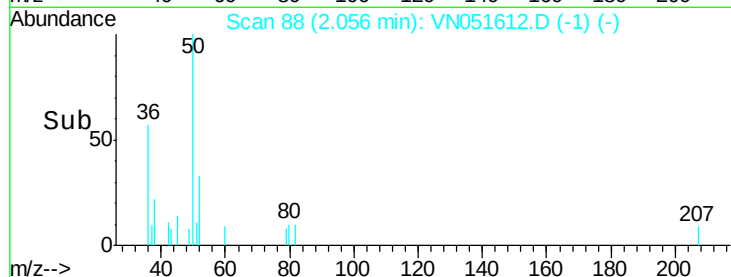
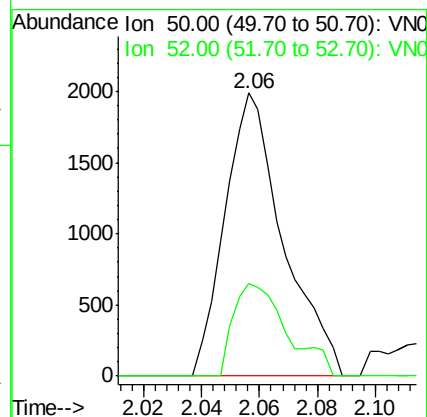
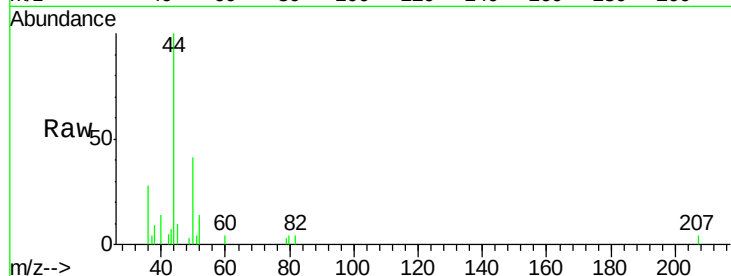
I.BLK

Tgt Ion: 50 Resp: 2766

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



#4

Vinyl Chloride

Concen: 0.320 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051612.D

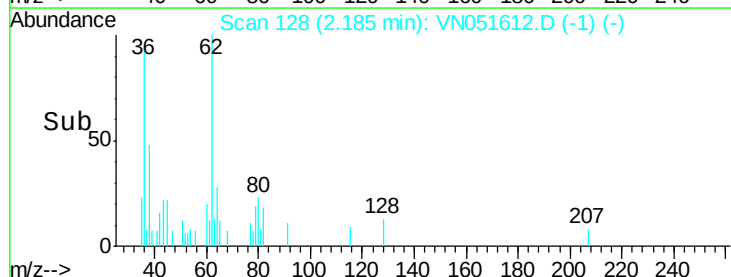
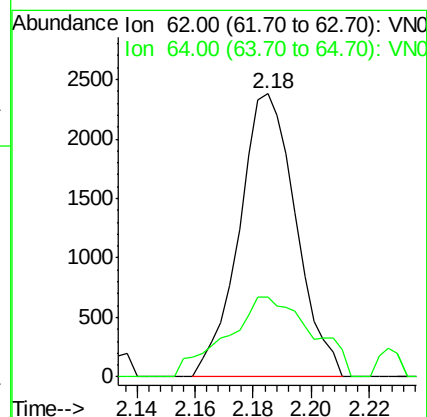
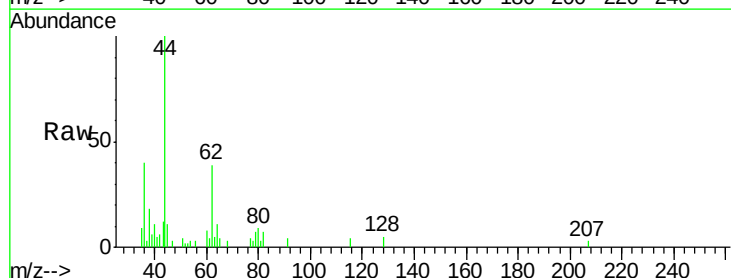
Acq: 28 Sep 2018 10:17

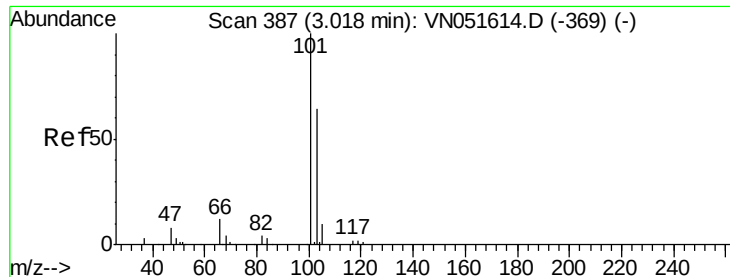
Tgt Ion: 62 Resp: 3234

Ion Ratio Lower Upper

62 100

64 21.3 26.3 39.5#



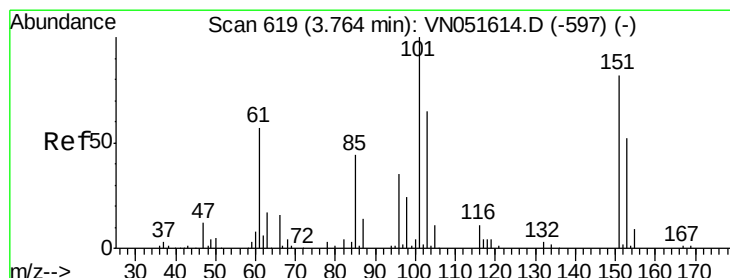
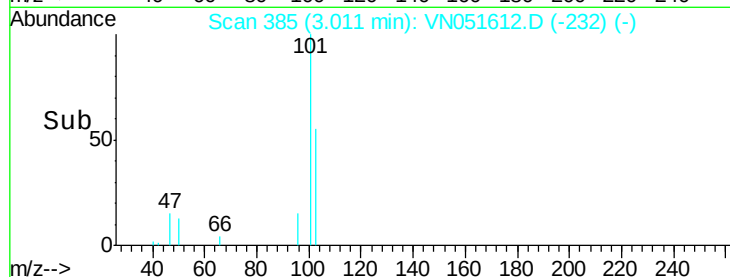
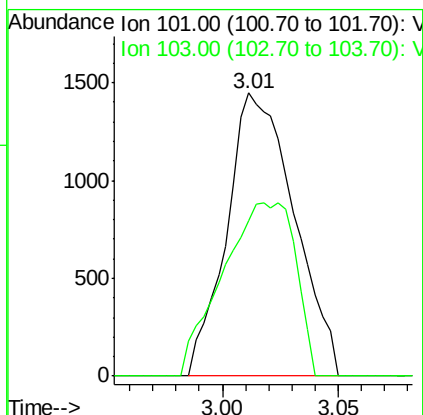
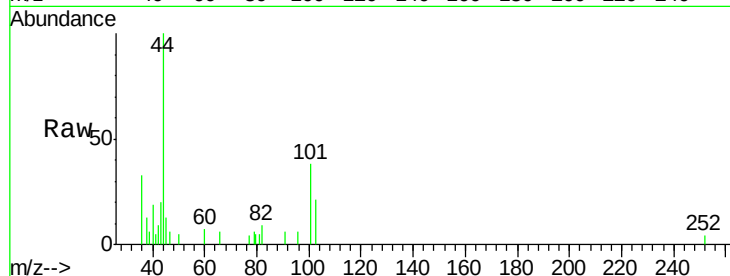


#7

Trichlorofluoromethane
Concen: 0.237 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.01 min
Lab File: VN051612.D
Acq: 28 Sep 2018 10:17

Instrument :
MSVOA_N
ClientSampled :
I.BLK

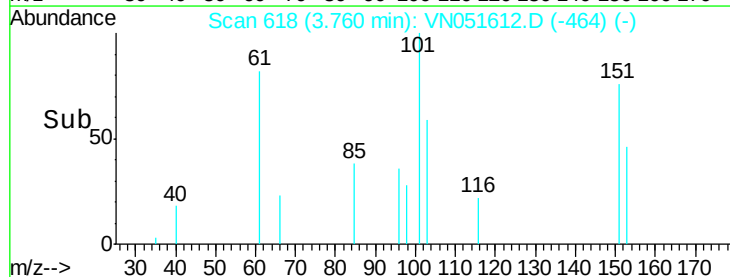
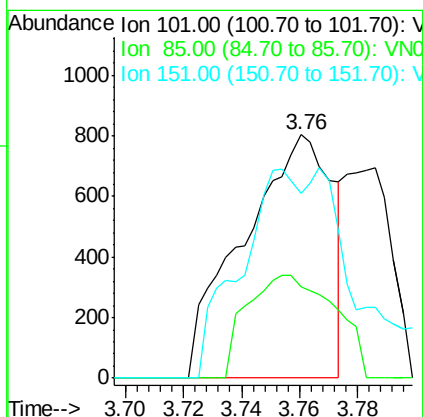
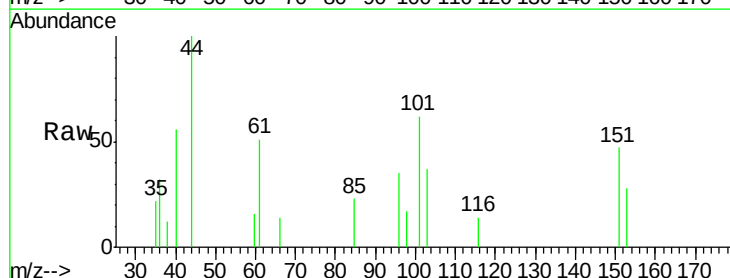
Tgt Ion:101 Resp: 2927
Ion Ratio Lower Upper
101 100
103 54.9 51.2 76.8

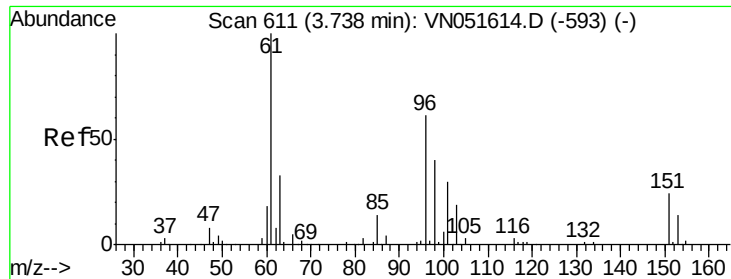


#9

1,1,2-Trichlorotrifluoroethane
Concen: 0.246 ug/l
RT: 3.76 min Scan# 618
Delta R.T. -0.00 min
Lab File: VN051612.D
Acq: 28 Sep 2018 10:17

Tgt Ion:101 Resp: 1714
Ion Ratio Lower Upper
101 100
85 41.8 0.0 89.4
151 24.2 0.0 167.6

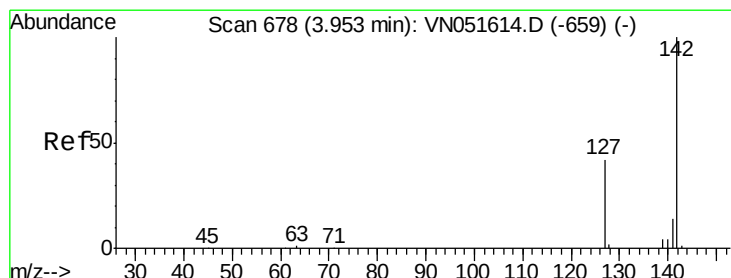
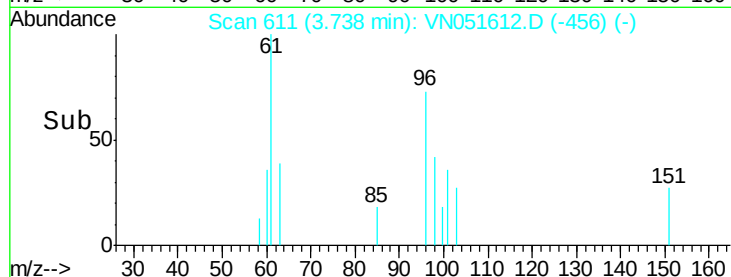
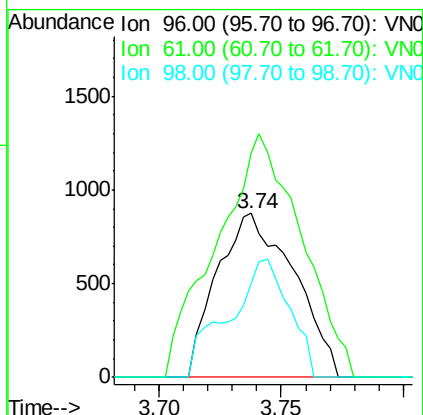
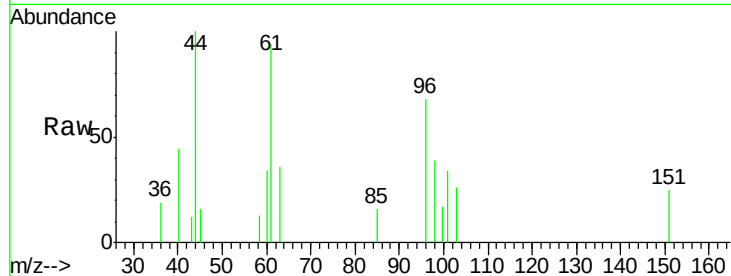




#10
 1,1-Dichloroethene
 Concen: 0.303 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

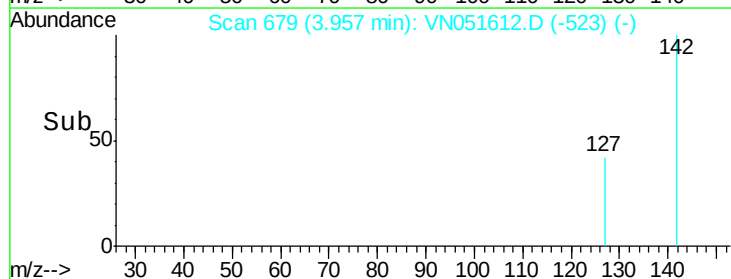
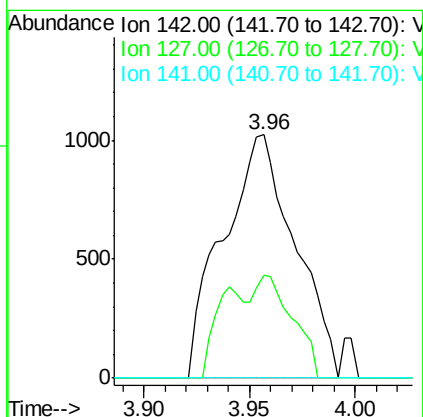
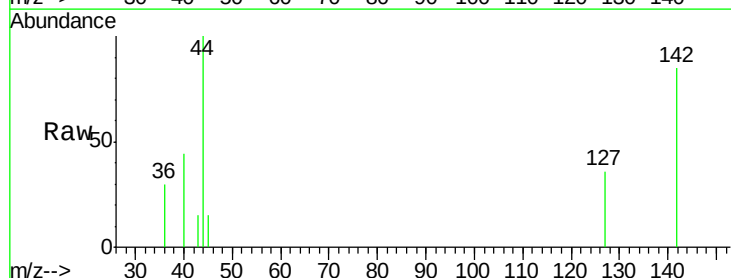
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

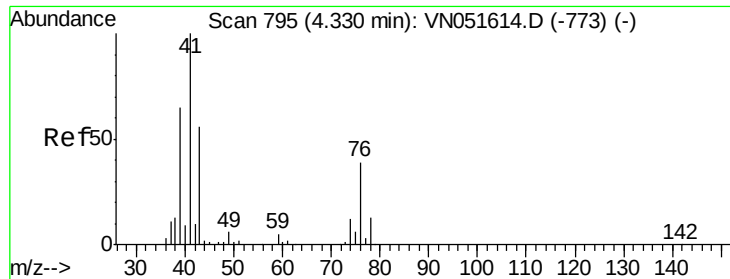
Tgt Ion: 96 Resp: 1920
 Ion Ratio Lower Upper
 96 100
 61 113.2 131.0 196.4#
 98 56.8 52.7 79.1



#11
 Methyl Iodide
 Concen: 0.298 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

Tgt Ion: 142 Resp: 2424
 Ion Ratio Lower Upper
 142 100
 127 42.5 21.1 63.1
 141 0.0 7.1 21.4#

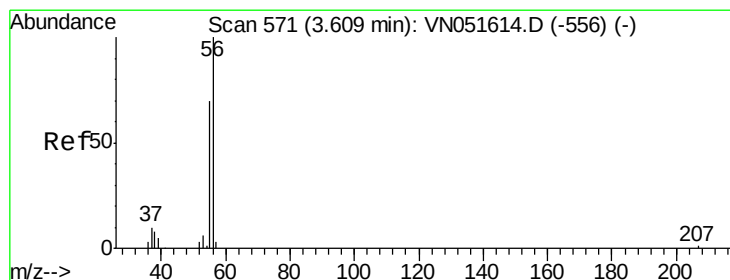
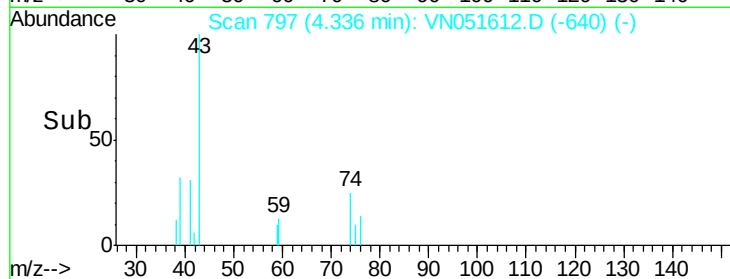
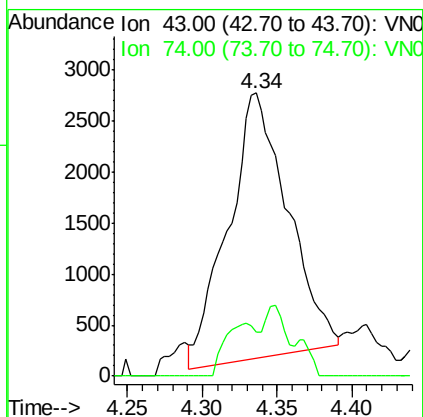
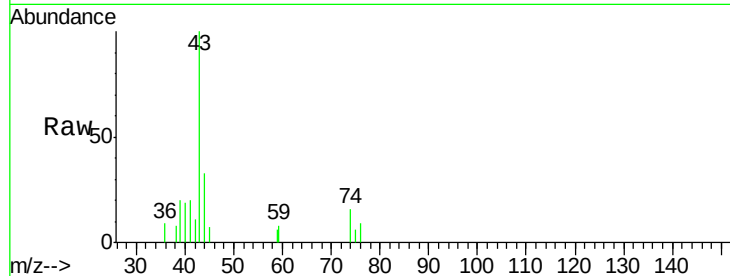




#12
Methyl Acetate
Concen: 1.291 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051612.D
Acq: 28 Sep 2018 10:17

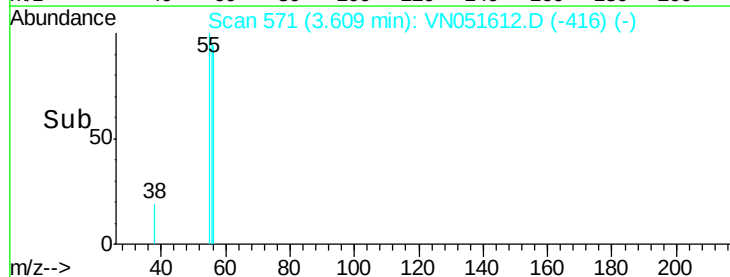
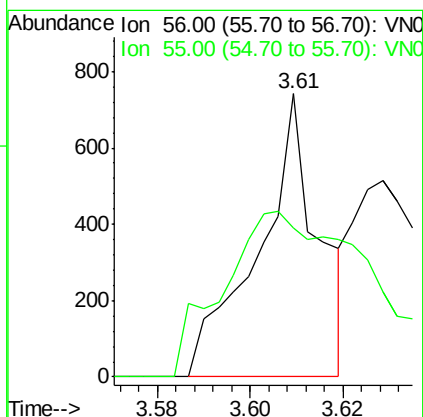
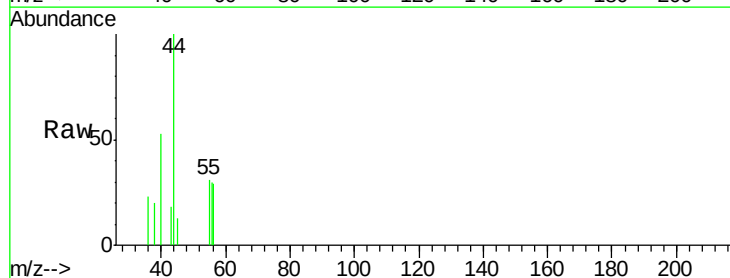
Instrument :
MSVOA_N
ClientSampled :
I.BLK

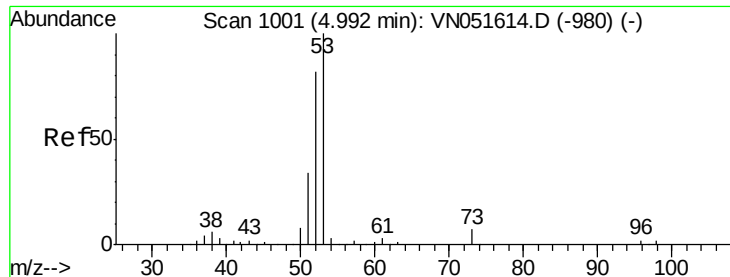
Tgt Ion: 43 Resp: 7214
Ion Ratio Lower Upper
43 100
74 18.0 17.0 25.4



#13
Acrolein
Concen: 1.065 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN051612.D
Acq: 28 Sep 2018 10:17

Tgt Ion: 56 Resp: 657
Ion Ratio Lower Upper
56 100
55 45.1 55.8 83.8#

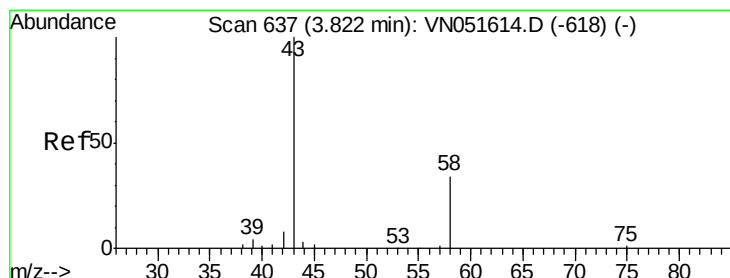
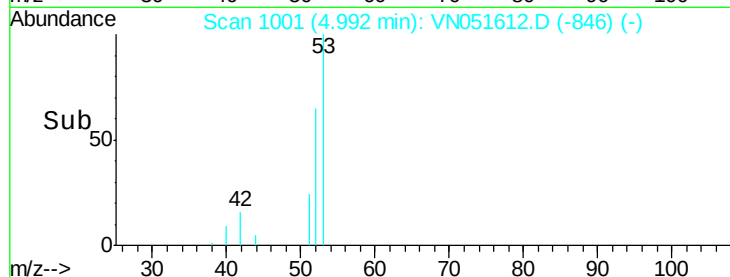
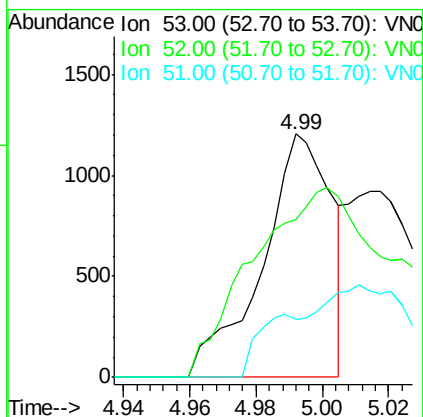
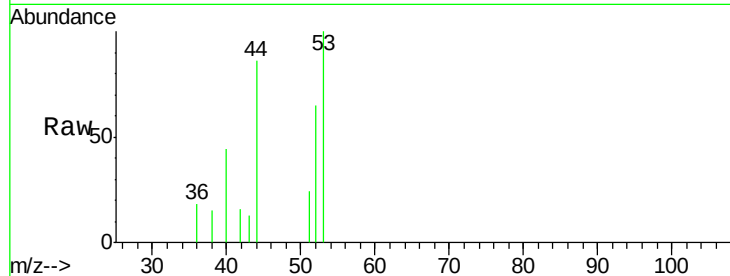




#14
 Acrylonitrile
 Concen: 0.780 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

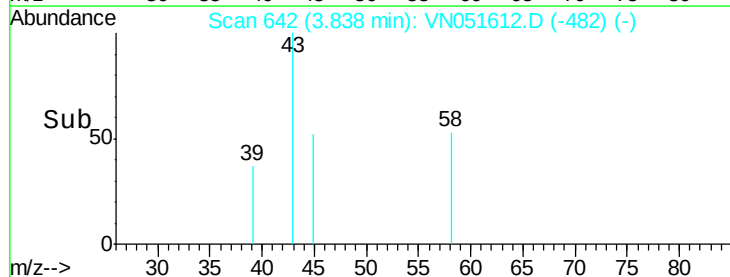
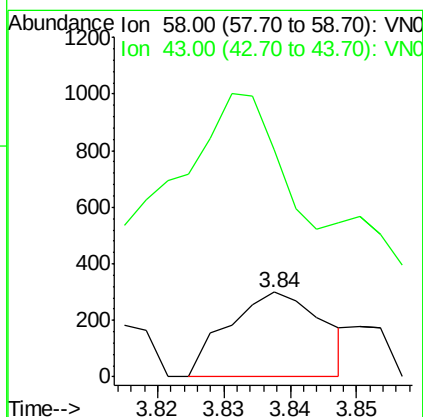
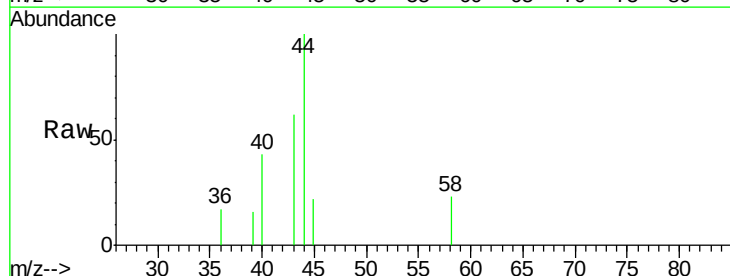
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

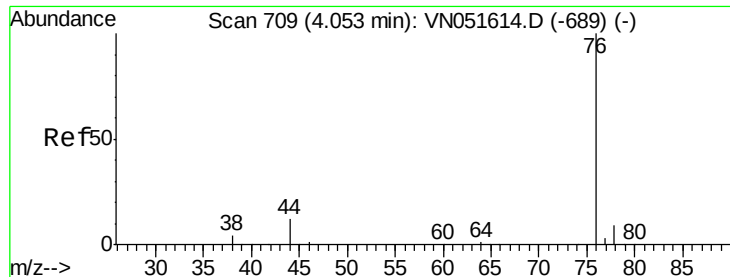
Tgt Ion: 53 Resp: 1745
 Ion Ratio Lower Upper
 53 100
 52 0.0 41.3 123.7#
 51 14.7 17.1 51.2#



#15
 Acetone
 Concen: 0.508 ug/l
 RT: 3.84 min Scan# 642
 Delta R.T. 0.02 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

Tgt Ion: 58 Resp: 298
 Ion Ratio Lower Upper
 58 100
 43 86.3 238.0 357.0#

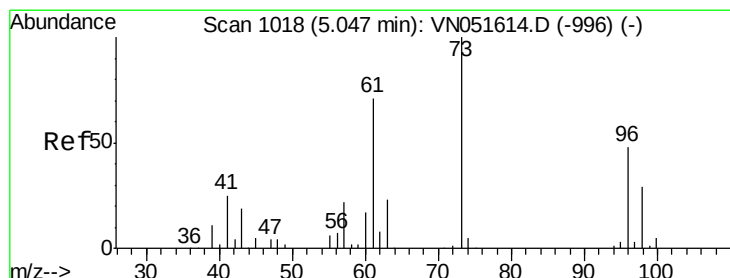
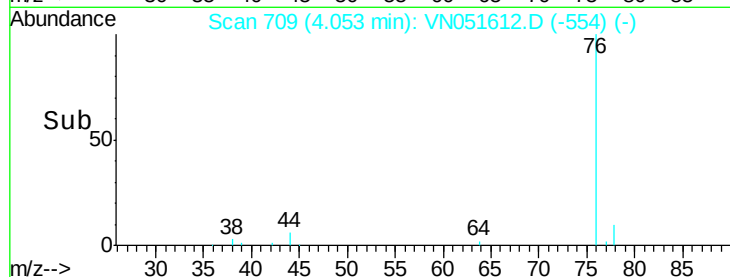
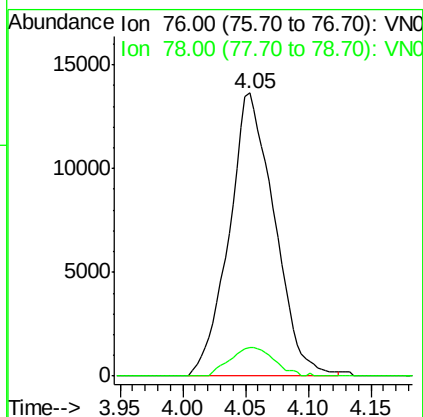
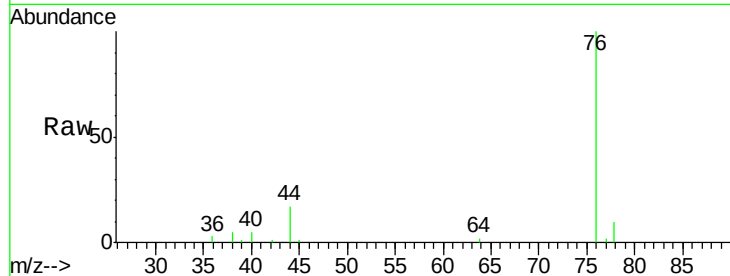




#16
Carbon Disulfide
Concen: 1.681 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051612.D
Acq: 28 Sep 2018 10:17

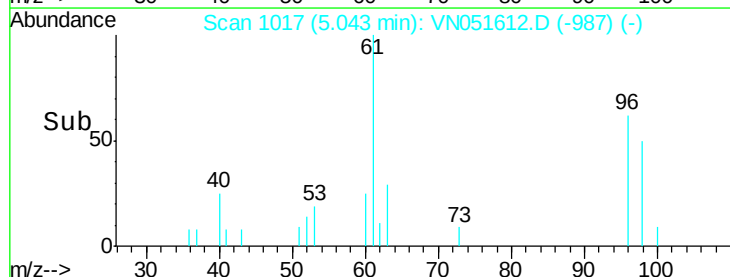
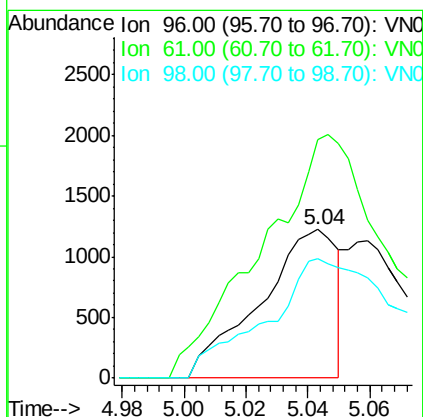
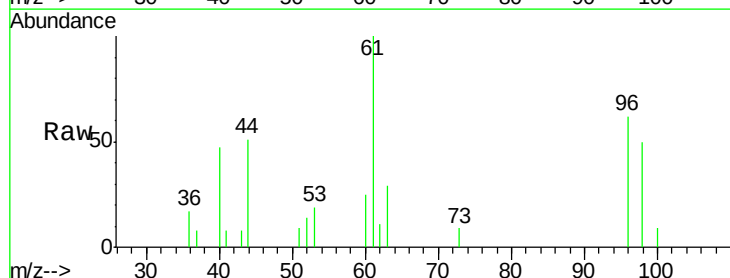
Instrument :
MSVOA_N
ClientSampled :
I.BLK

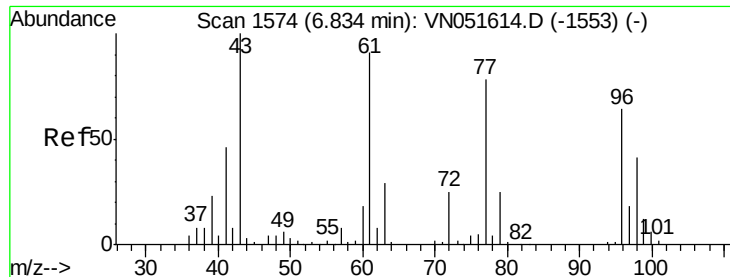
Tgt Ion: 76 Resp: 34280
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9



#19
trans-1,2-Dichloroethene
Concen: 0.315 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051612.D
Acq: 28 Sep 2018 10:17

Tgt Ion: 96 Resp: 2116
Ion Ratio Lower Upper
96 100
61 139.9 118.0 177.0
98 80.7 49.0 73.4#





#22

cis-1,2-Dichloroethene

Concen: 0.204 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampled :

I.BLK

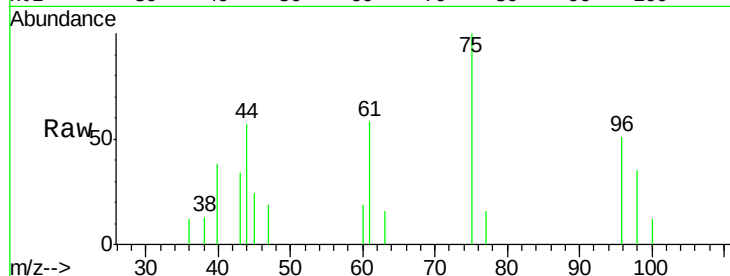
Tgt Ion: 96 Resp: 1497

Ion Ratio Lower Upper

96 100

61 106.0 120.4 180.6#

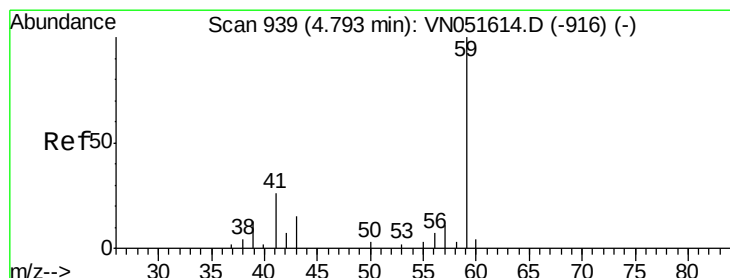
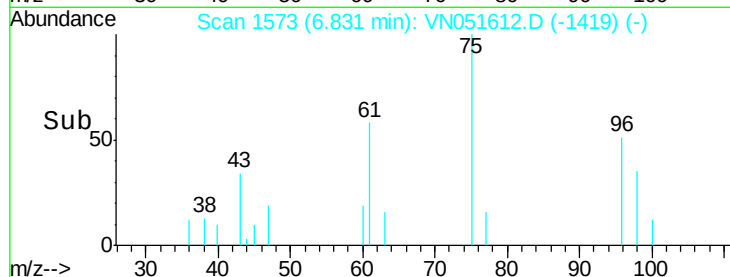
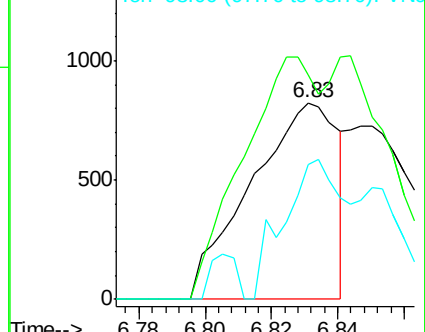
98 41.7 51.4 77.0#



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#23

tert-Butyl Alcohol

Concen: 0.256 ug/l

RT: 4.36 min Scan# 804

Delta R.T. -0.43 min

Lab File: VN051612.D

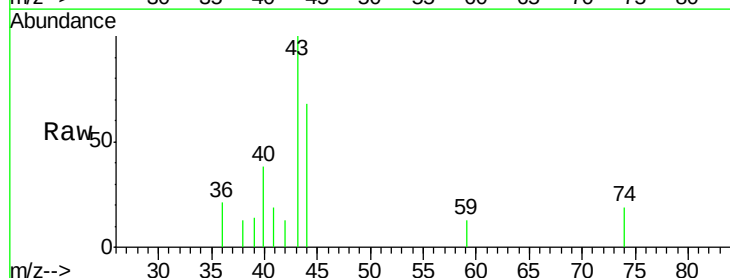
Acq: 28 Sep 2018 10:17

Tgt Ion: 59 Resp: 109

Ion Ratio Lower Upper

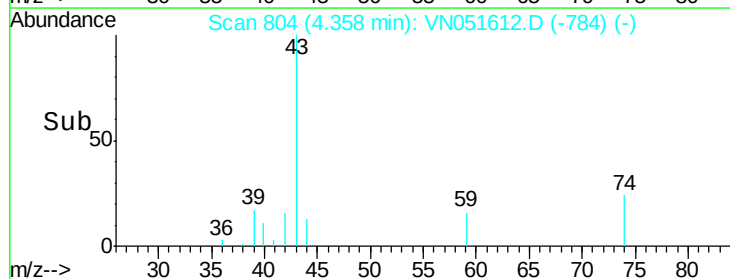
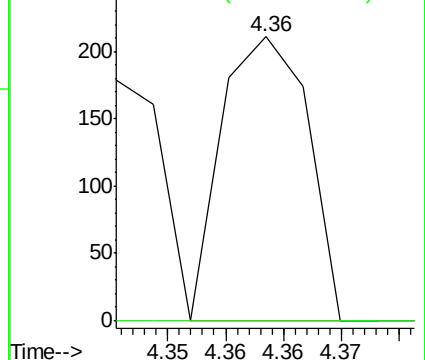
59 100

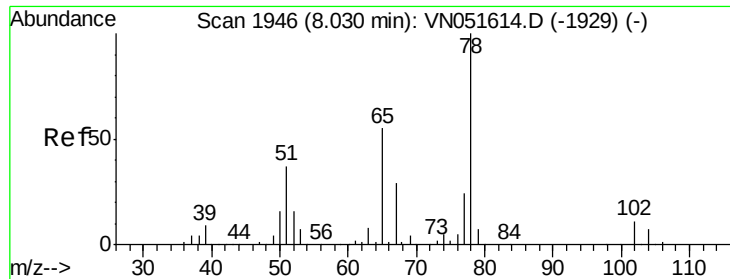
52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

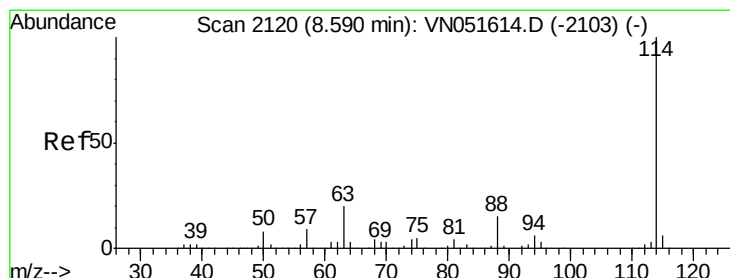
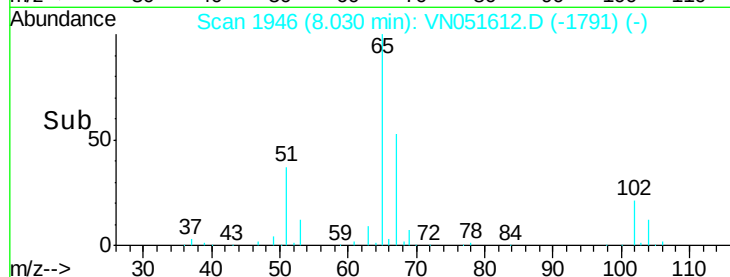
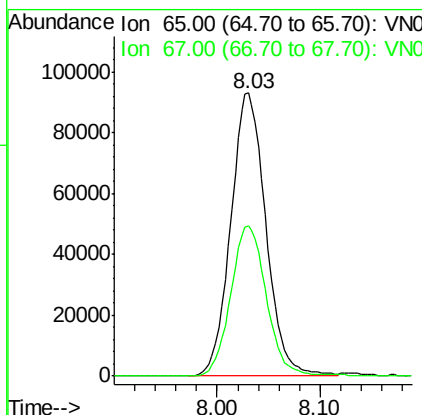
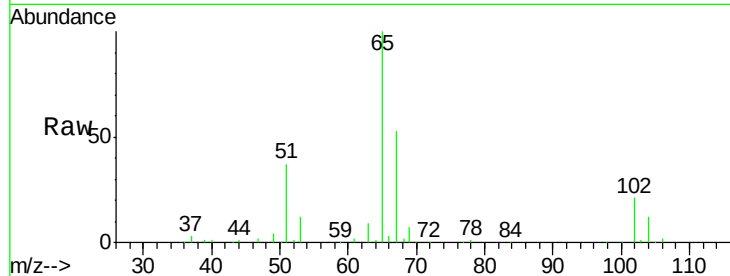




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

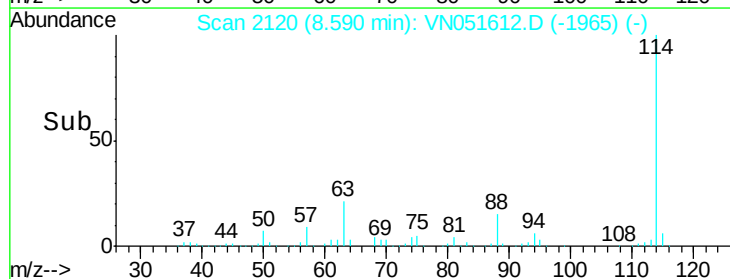
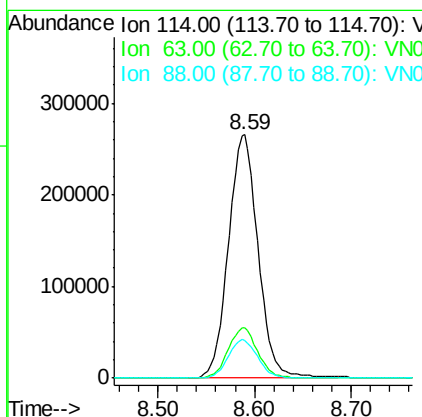
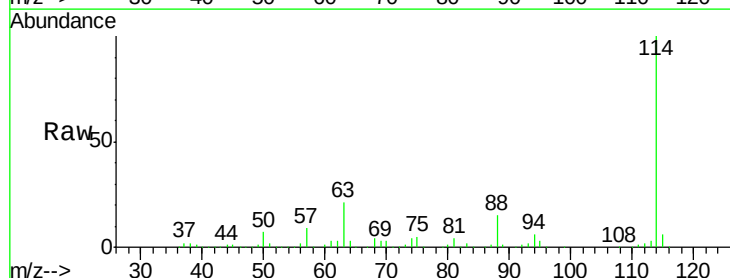
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

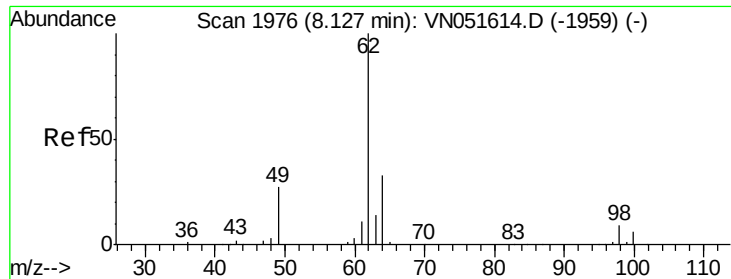
Tgt Ion: 65 Resp: 220893
 Ion Ratio Lower Upper
 65 100
 67 53.9 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. -0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

Tgt Ion: 114 Resp: 565699
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.4 24.6
 88 15.6 12.6 18.8

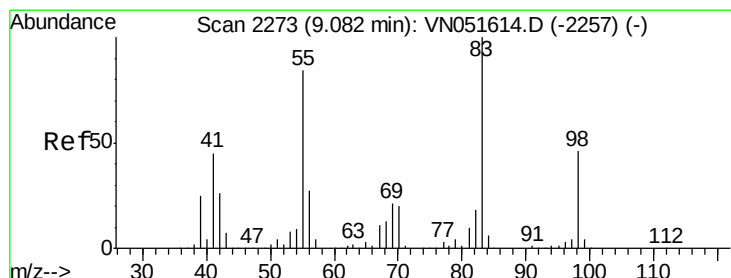
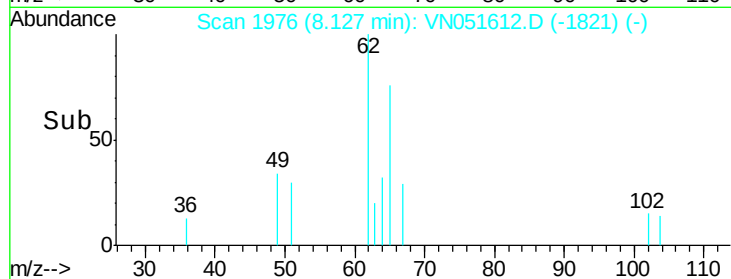
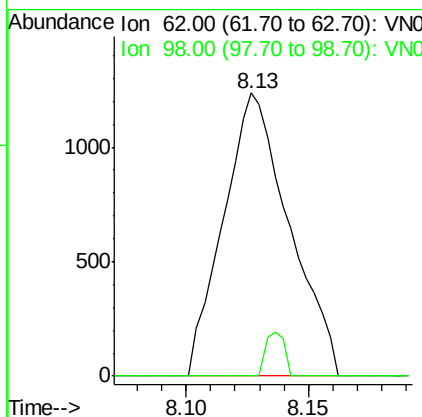
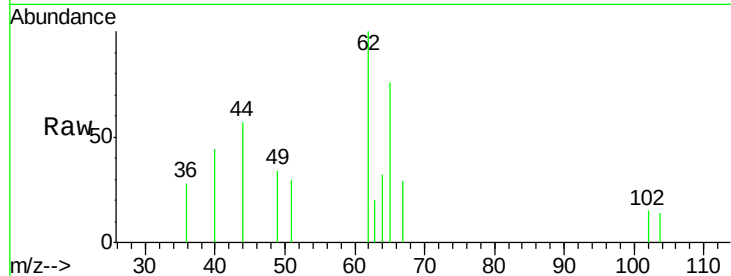




#36
 1,2-Dichloroethane
 Concen: 0.253 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

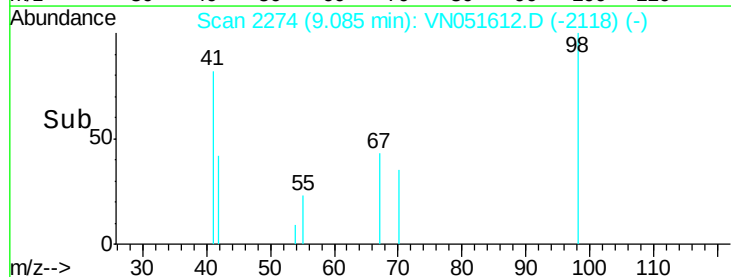
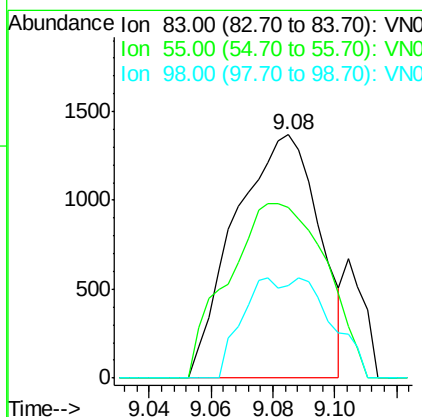
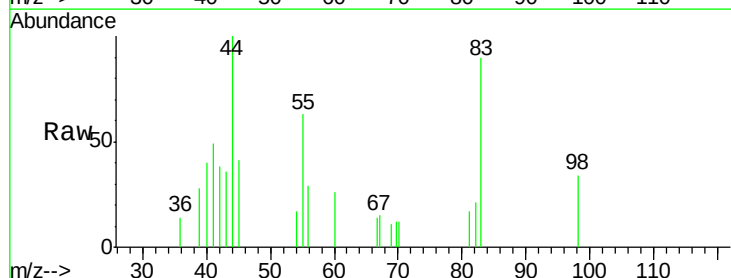
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

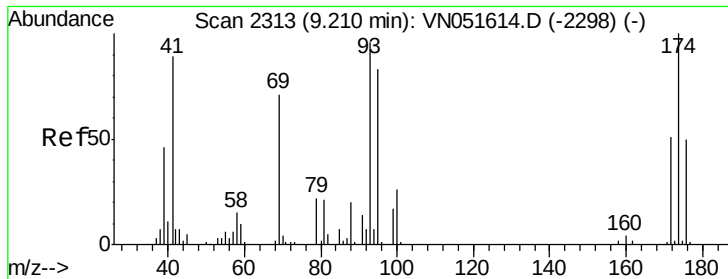
Tgt Ion: 62 Resp: 2307
 Ion Ratio Lower Upper
 62 100
 98 4.4 7.4 11.2#



#38
 Methylcyclohexane
 Concen: 0.233 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

Tgt Ion: 83 Resp: 2591
 Ion Ratio Lower Upper
 83 100
 55 82.8 41.6 124.9
 98 19.0 23.1 69.2#





#40

Dibromomethane

Concen: 0.395 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

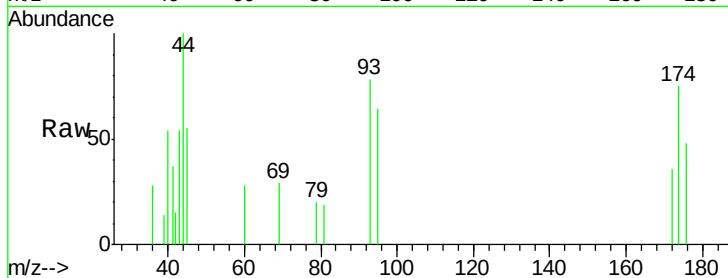
Tgt Ion: 93 Resp: 1720

Ion Ratio Lower Upper

93 100

95 70.3 0.0 171.0

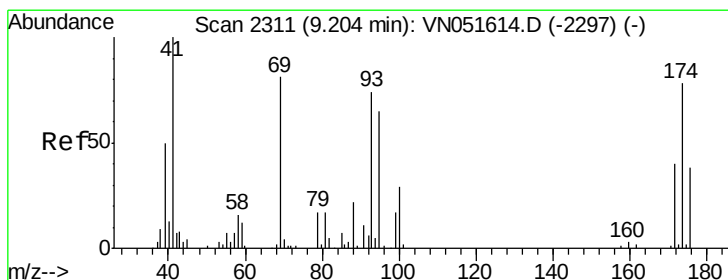
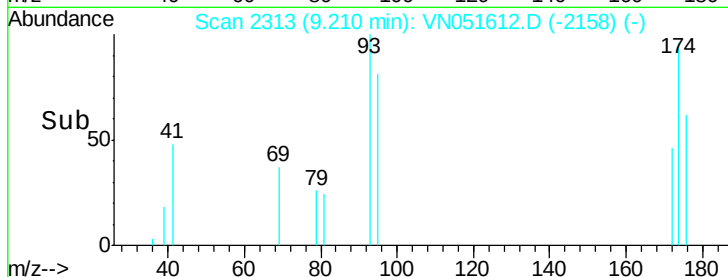
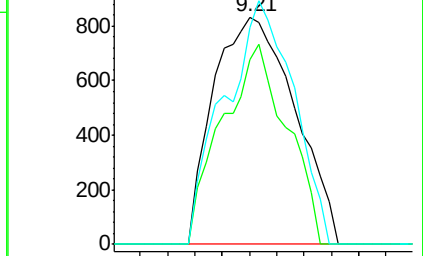
174 66.6 0.0 212.0



Abundance Ion 93.00 (92.70 to 93.70): VN051612.D (-2158) (-)

Ion 95.00 (94.70 to 95.70): VN051612.D (-2158) (-)

Ion 174.00 (173.70 to 174.70): VN051612.D (-2158) (-)



#45

1,4-Dioxane

Concen: 1.089 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

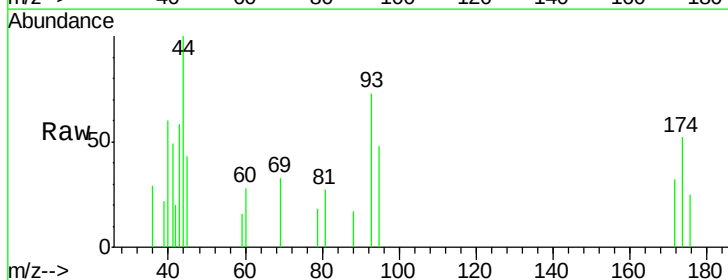
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 214.1 29.0 43.6#

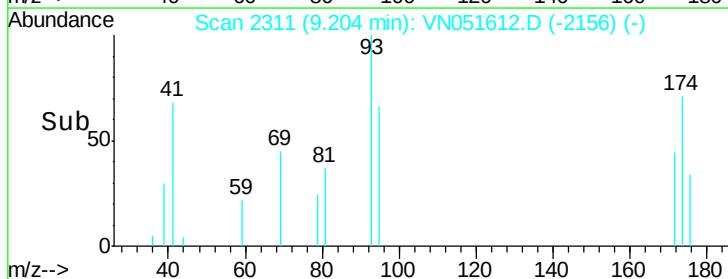
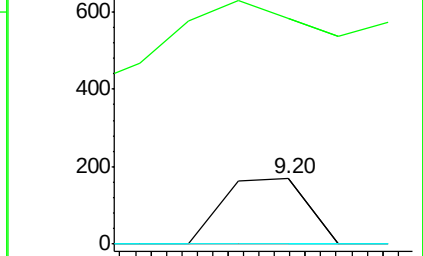
58 0.0 59.0 88.6#

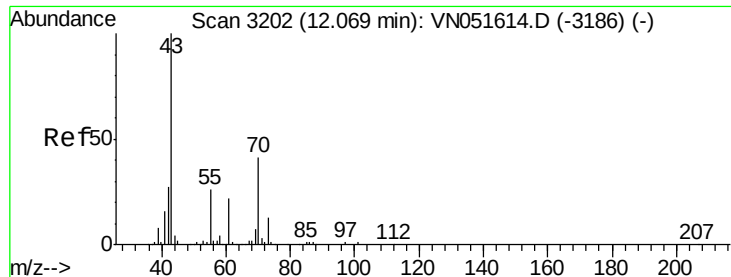


Abundance Ion 88.00 (87.70 to 88.70): VN051612.D (-2156) (-)

Ion 43.00 (42.70 to 43.70): VN051612.D (-2156) (-)

Ion 58.00 (57.70 to 58.70): VN051612.D (-2156) (-)





#47

n-amyI Acetate

Concen: 0.331 ug/l

RT: 12.08 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

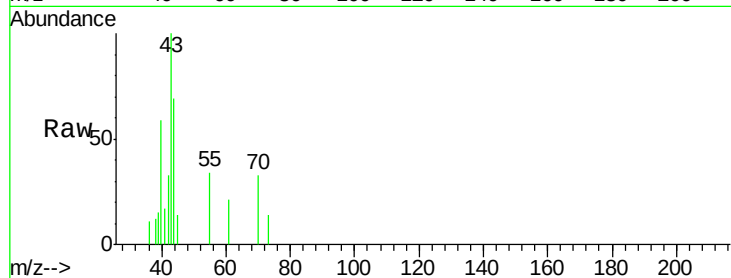
I.BLK

Tgt Ion: 43 Resp: 2694

Ion Ratio Lower Upper

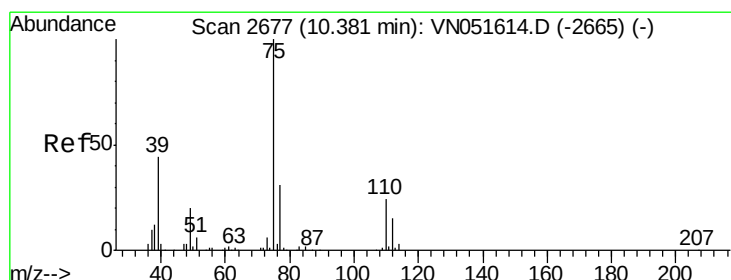
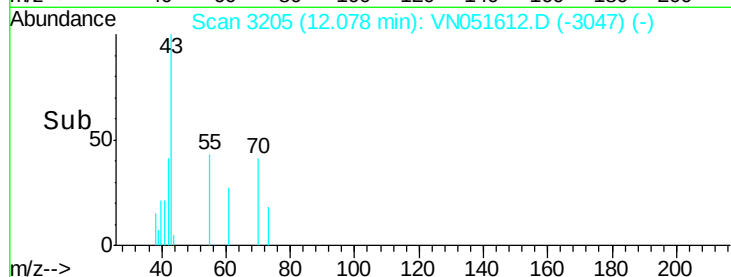
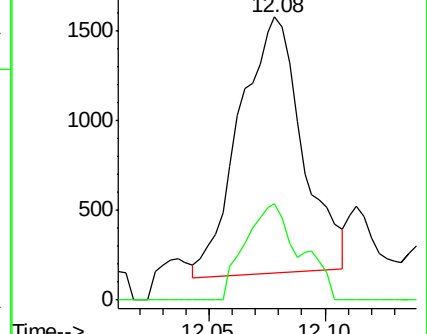
43 100

55 26.3 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 0.246 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051612.D

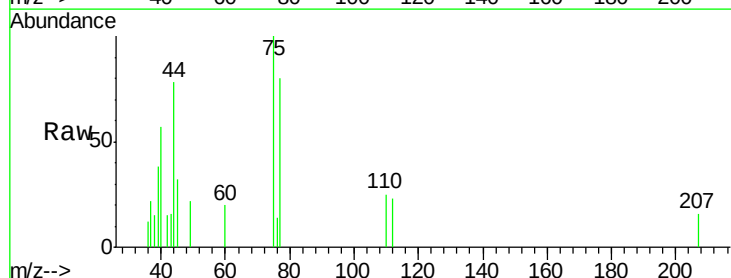
Acq: 28 Sep 2018 10:17

Tgt Ion: 75 Resp: 2337

Ion Ratio Lower Upper

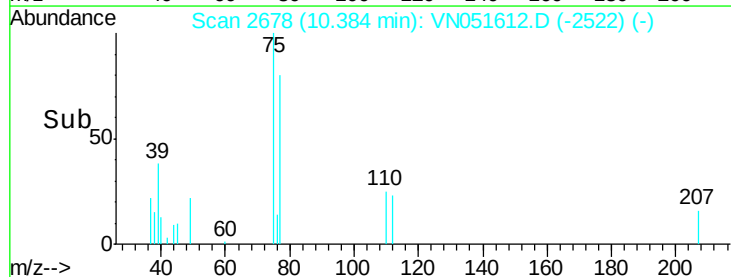
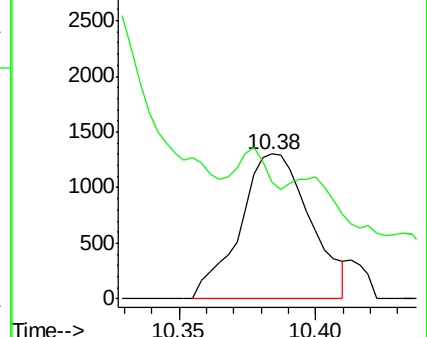
75 100

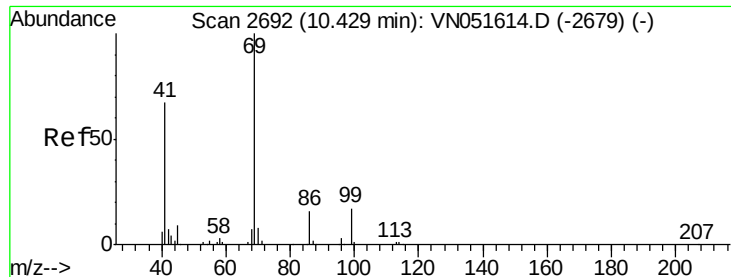
77 21.7 26.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#51

Ethyl methacrylate

Concen: 0.293 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.33 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

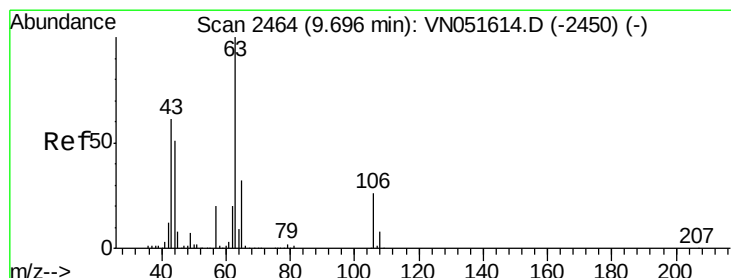
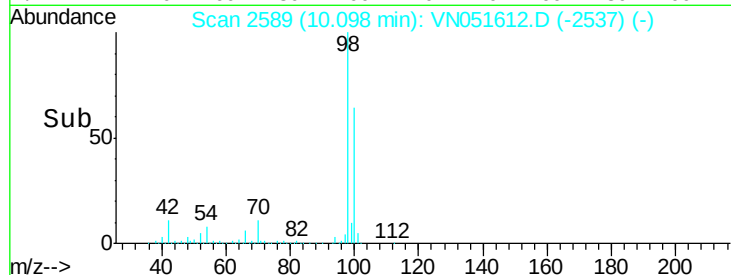
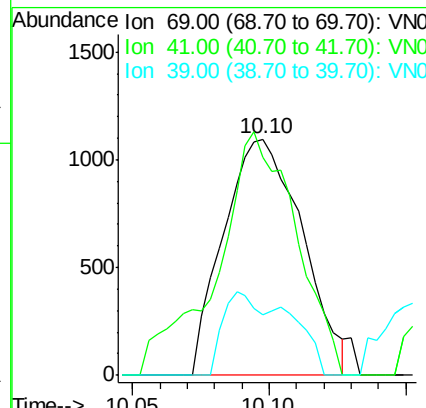
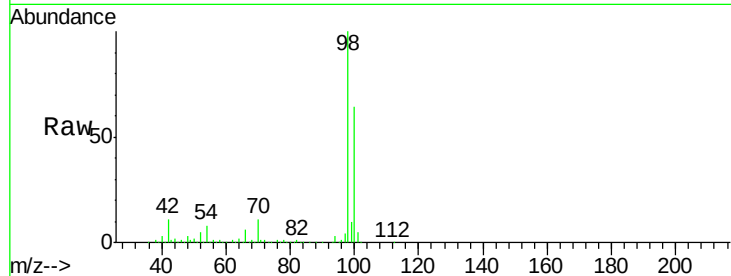
Instrument :

MSVOA_N

ClientSampled :

I.BLK

Tgt Ion:	69.00	Resp:	2190
Ion	Ratio	Lower	Upper
69	100		
41	92.3	33.3	99.8
39	25.4	17.2	51.6



#55

2-Chloroethyl vinyl ether

Concen: 0.331 ug/l

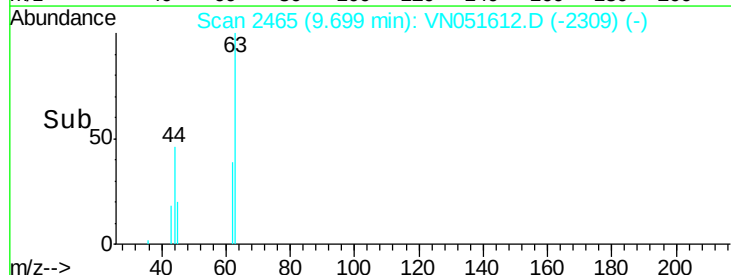
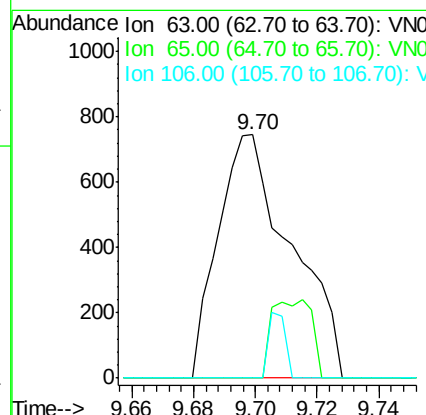
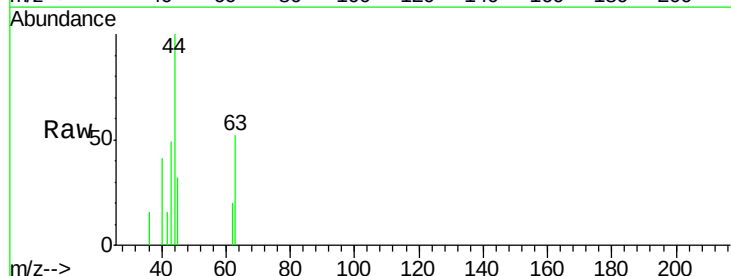
RT: 9.70 min Scan# 2465

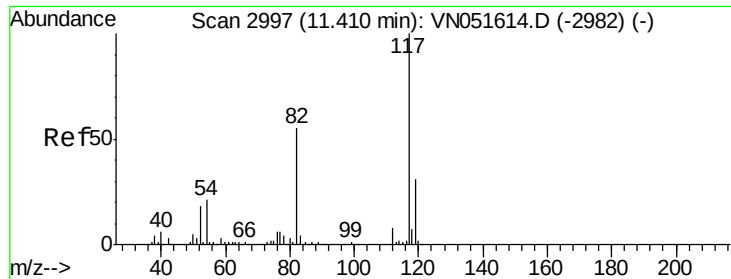
Delta R.T. 0.00 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

Tgt Ion:	63.00	Resp:	1223
Ion	Ratio	Lower	Upper
63	100		
65	10.6	25.8	38.6#
106	6.2	20.4	30.6#

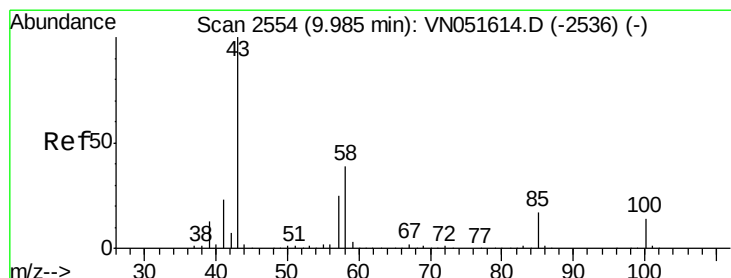
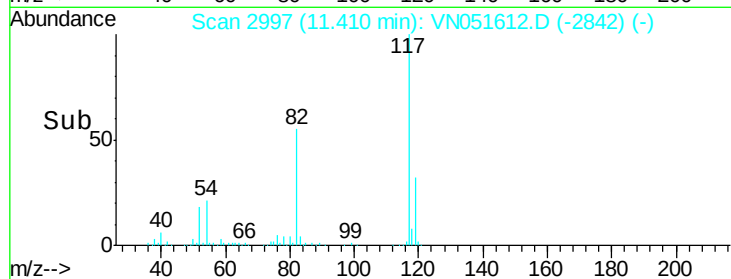
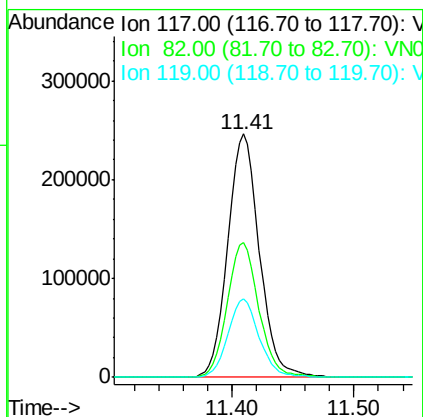
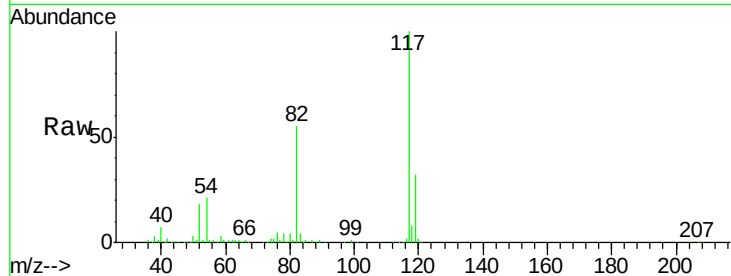




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051612.D
Acq: 28 Sep 2018 10:17

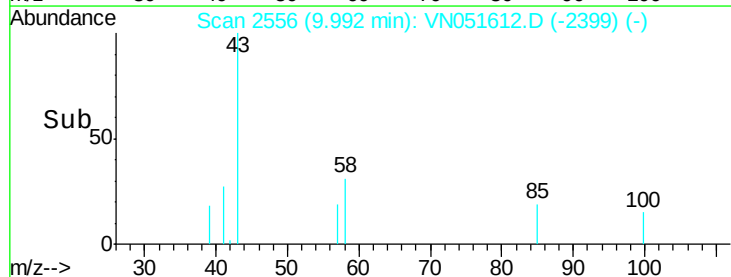
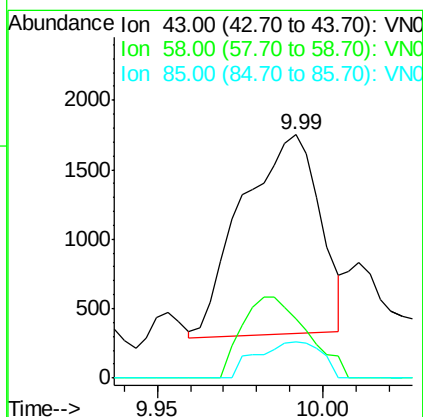
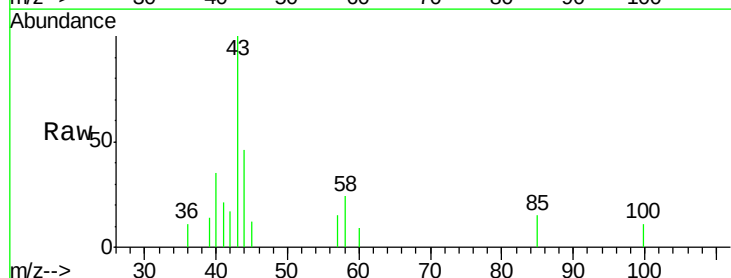
Instrument :
MSVOA_N
ClientSampleId :
I.BLK

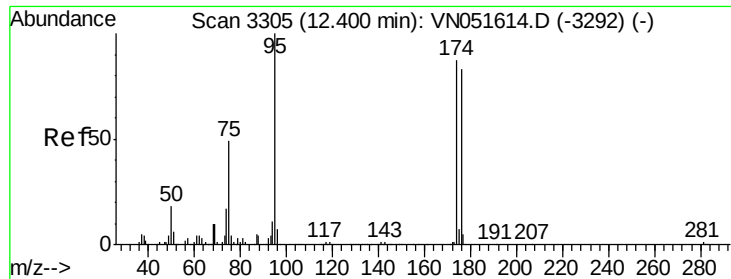
Tgt Ion: 117 Resp: 446348
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 31.8 25.2 37.8



#58
4-Methyl-2-Pentanone
Concen: 0.463 ug/l
RT: 9.99 min Scan# 2556
Delta R.T. 0.01 min
Lab File: VN051612.D
Acq: 28 Sep 2018 10:17

Tgt Ion: 43 Resp: 2347
Ion Ratio Lower Upper
43 100
58 34.1 31.0 46.4
85 12.5 13.4 20.2#

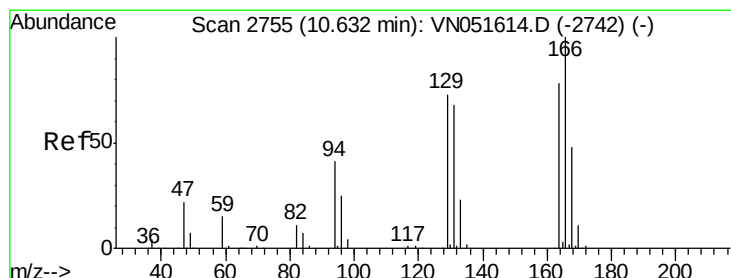
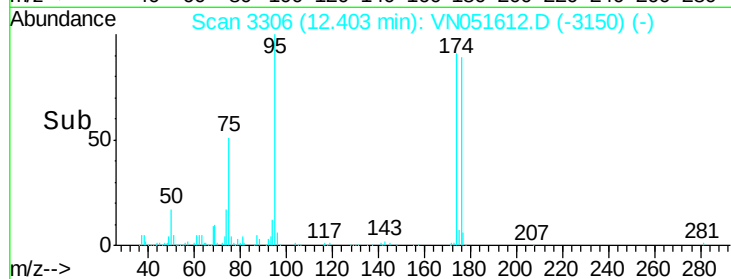
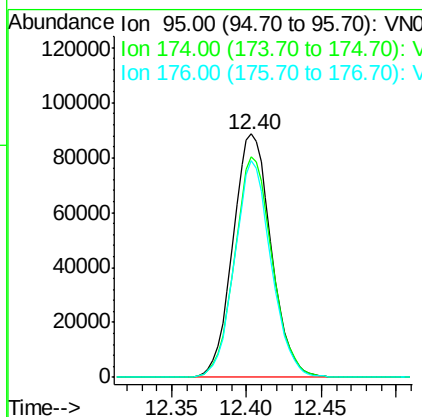
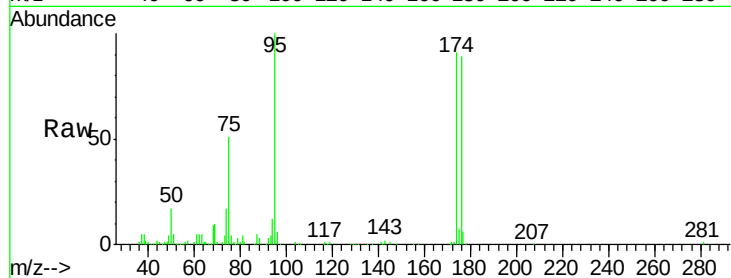




#60
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

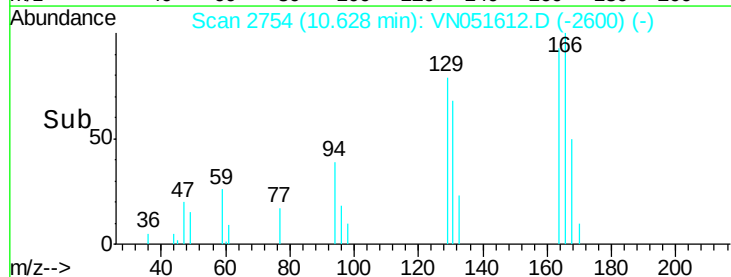
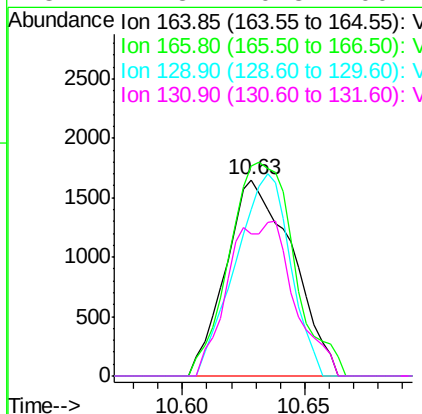
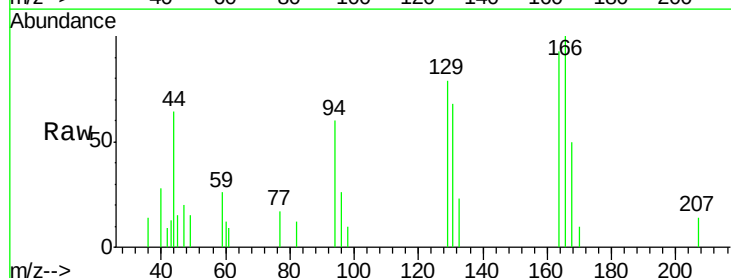
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

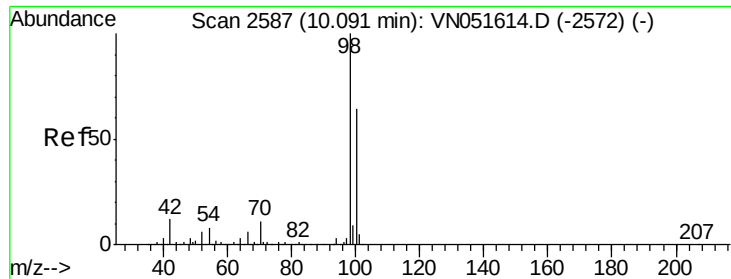
Tgt Ion: 95 Resp: 157790
 Ion Ratio Lower Upper
 95 100
 174 88.9 71.2 106.8
 176 85.0 67.8 101.8



#61
 Tetrachloroethene
 Concen: 0.496 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

Tgt Ion: 164 Resp: 3132
 Ion Ratio Lower Upper
 164 100
 166 107.1 103.1 154.7
 129 84.7 75.3 112.9
 131 72.3 70.8 106.2





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampled :

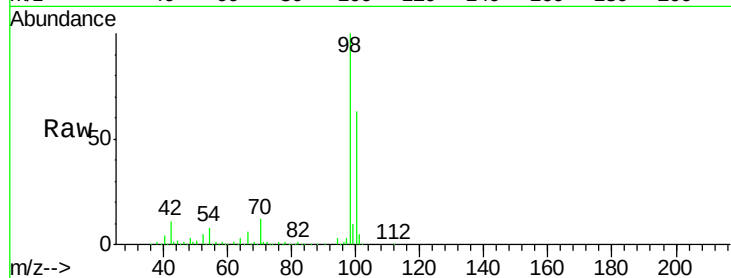
I.BLK

Tgt Ion: 98 Resp: 630308

Ion Ratio Lower Upper

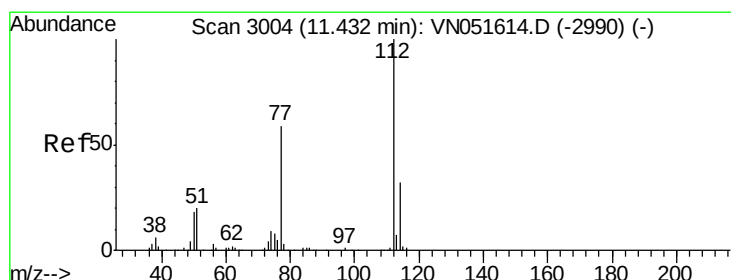
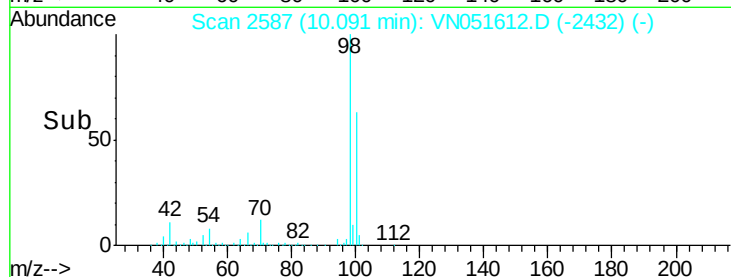
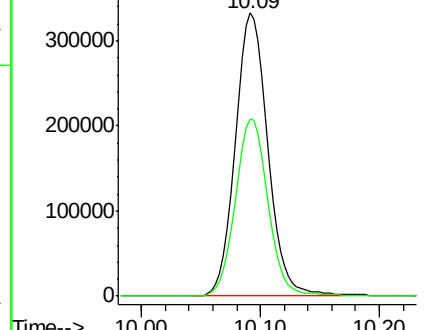
98 100

100 62.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN051612.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN051612.D (-2572) (-)



#64

Chlorobenzene

Concen: 0.346 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051612.D

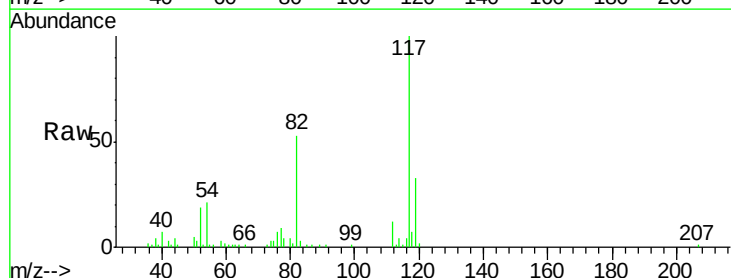
Acq: 28 Sep 2018 10:17

Tgt Ion: 112 Resp: 5731

Ion Ratio Lower Upper

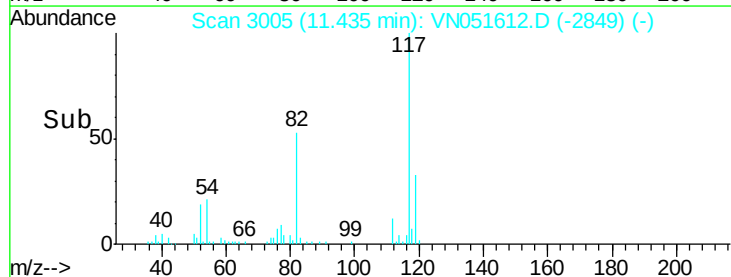
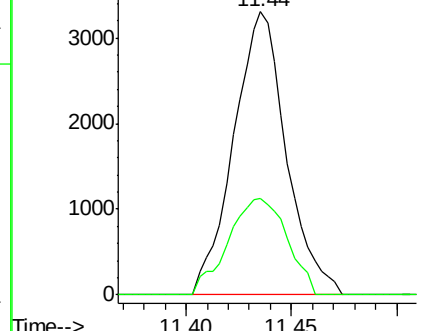
112 100

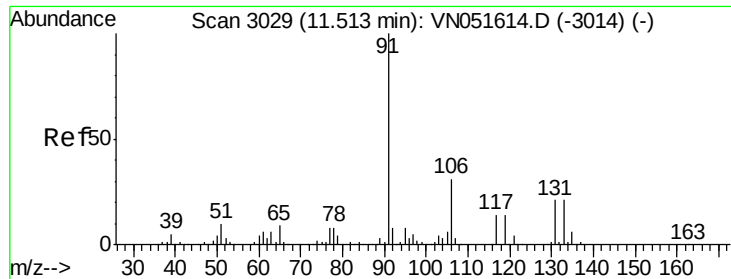
114 34.2 25.9 38.9



Abundance Ion 112.00 (111.70 to 112.70): VN051612.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN051612.D (-2990) (-)

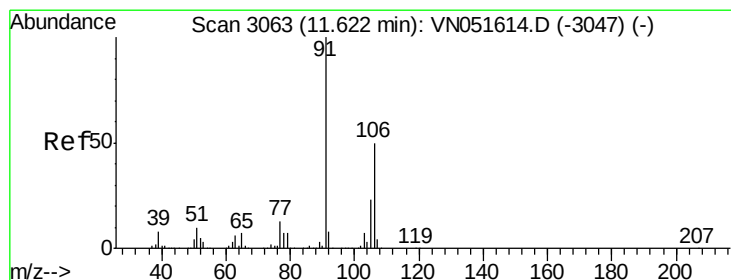
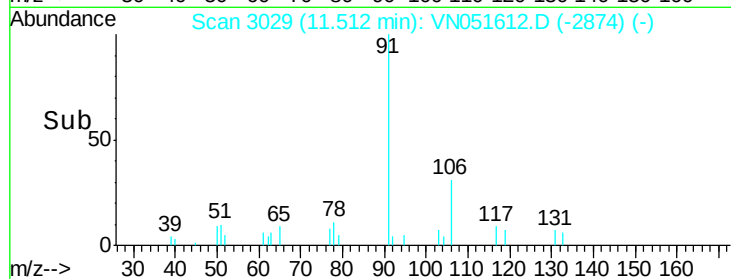
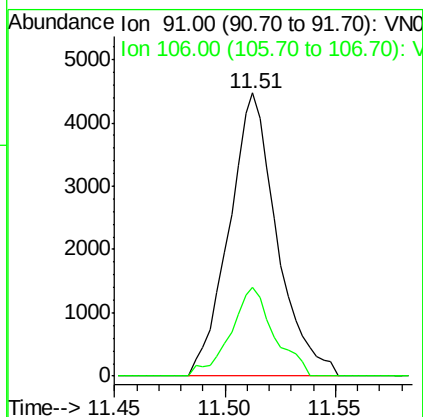
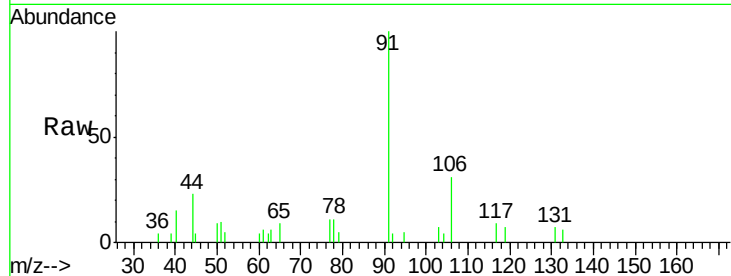




#66
Ethyl Benzene
Concen: 0.240 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051612.D
Acq: 28 Sep 2018 10:17

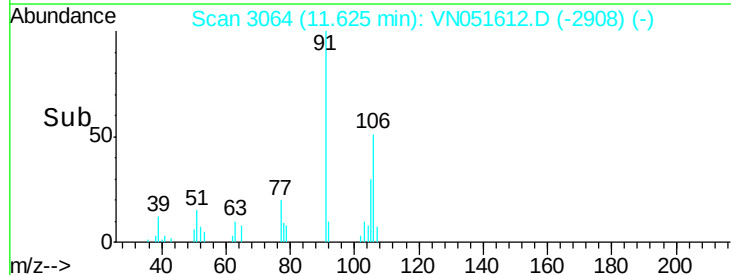
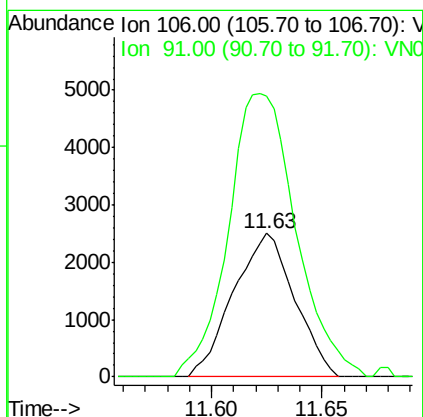
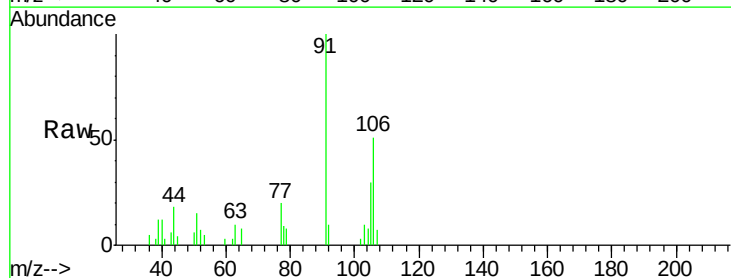
Instrument :
MSVOA_N
ClientSampled :
I.BLK

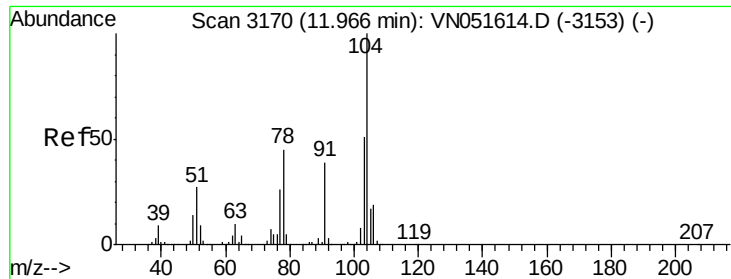
Tgt Ion: 91 Resp: 6718
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4



#67
m/p-Xylenes
Concen: 0.448 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN051612.D
Acq: 28 Sep 2018 10:17

Tgt Ion: 106 Resp: 4832
Ion Ratio Lower Upper
106 100
91 217.9 161.5 242.3

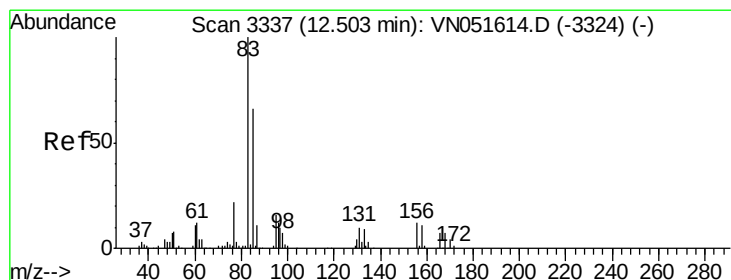
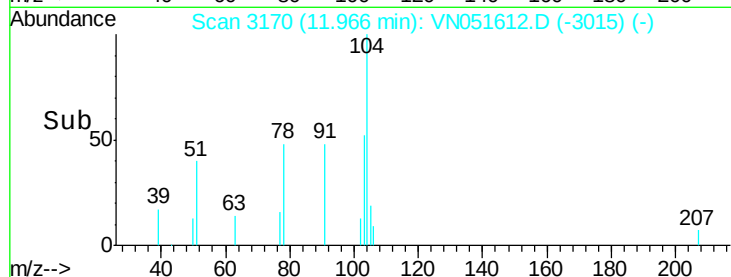
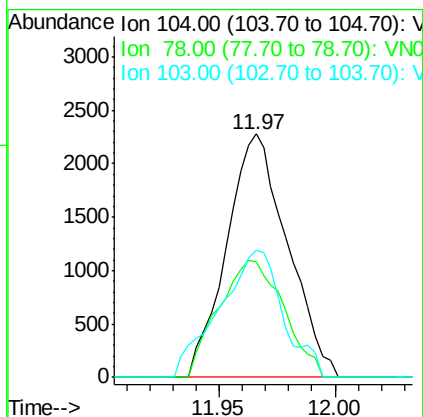
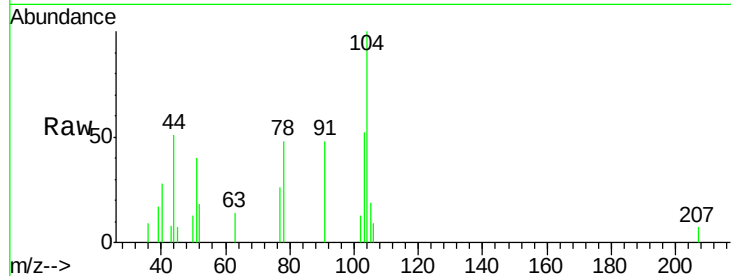




#69
 Styrene
 Concen: 0.257 ug/l
 RT: 11.97 min Scan# 3170
 Delta R.T. -0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

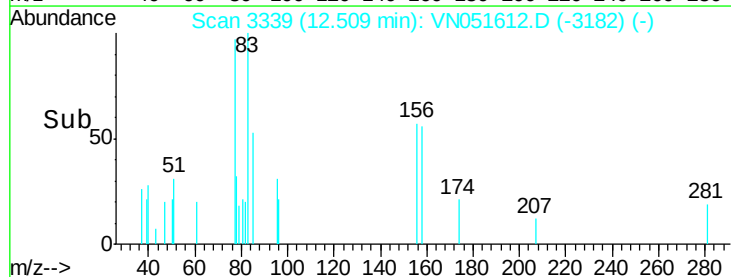
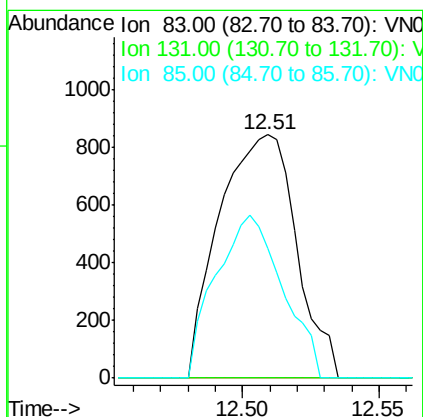
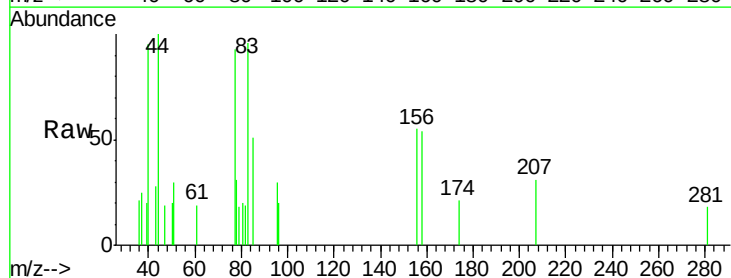
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

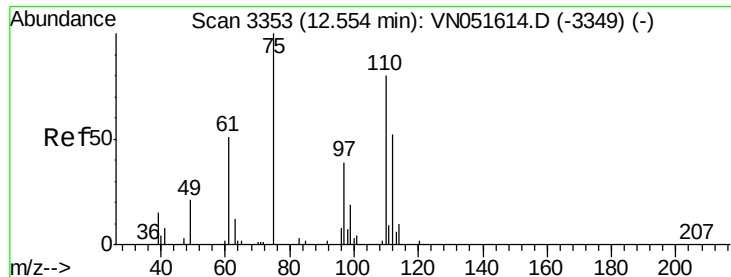
Tgt Ion:104 Resp: 4149
 Ion Ratio Lower Upper
 104 100
 78 51.4 40.3 60.5
 103 52.3 45.7 68.5



#71
 1,1,2,2-Tetrachloroethane
 Concen: 0.249 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. 0.01 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

Tgt Ion: 83 Resp: 1656
 Ion Ratio Lower Upper
 83 100
 131 3.8 5.2 15.6#
 85 58.2 32.0 96.2





#72

1,2,3-Trichloropropane

Concen: 0.442 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampled :

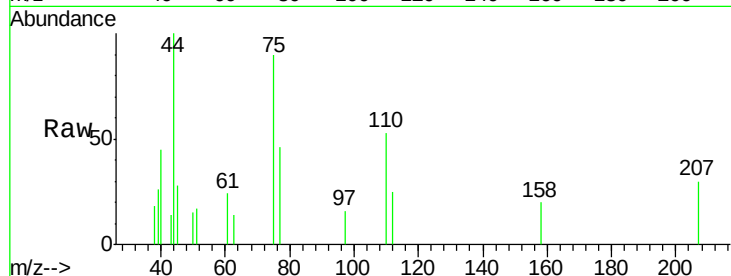
I.BLK

Tgt Ion: 75 Resp: 2421

Ion Ratio Lower Upper

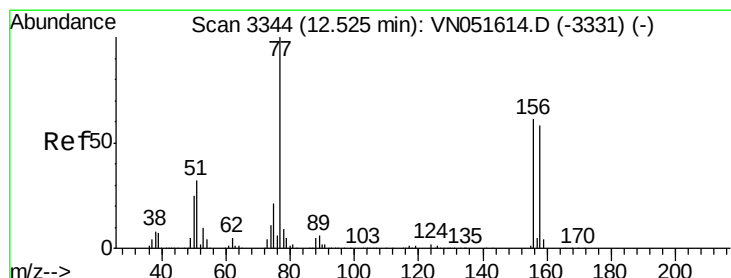
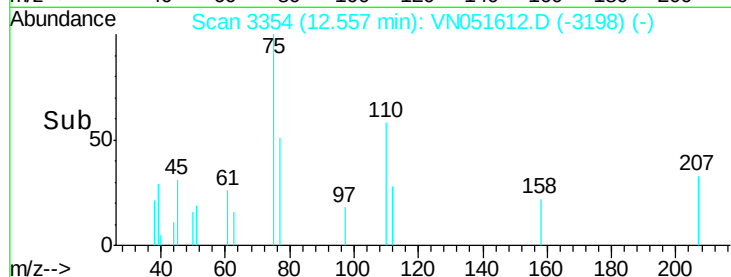
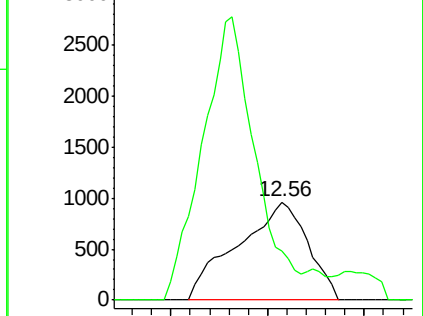
75 100

77 10.6 0.0 492.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#73

Bromobenzene

Concen: 0.426 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

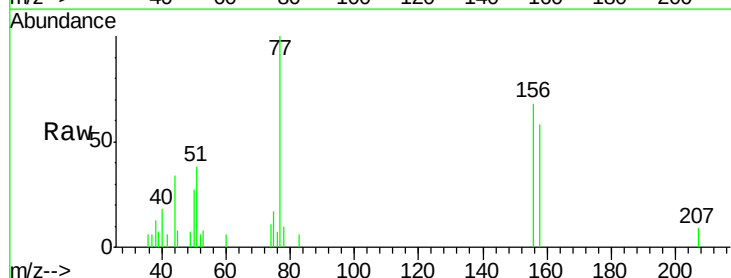
Tgt Ion: 156 Resp: 2916

Ion Ratio Lower Upper

156 100

77 181.6 0.0 385.2

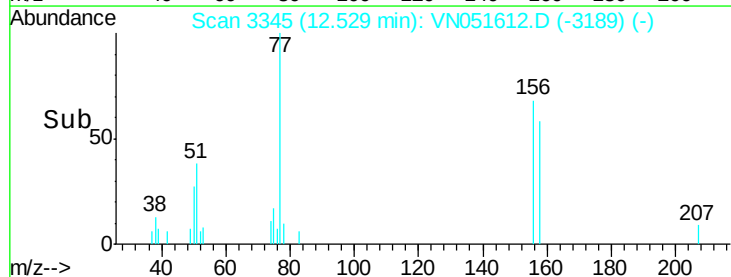
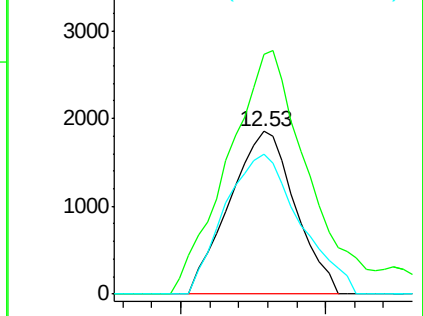
158 98.4 0.0 195.6

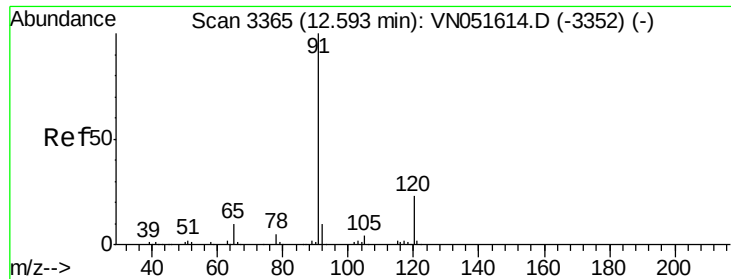


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V





#74

n-propylbenzene

Concen: 0.303 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampled :

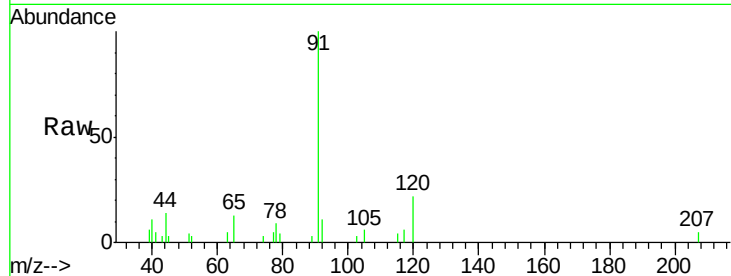
I.BLK

Tgt Ion: 91 Resp: 9696

Ion Ratio Lower Upper

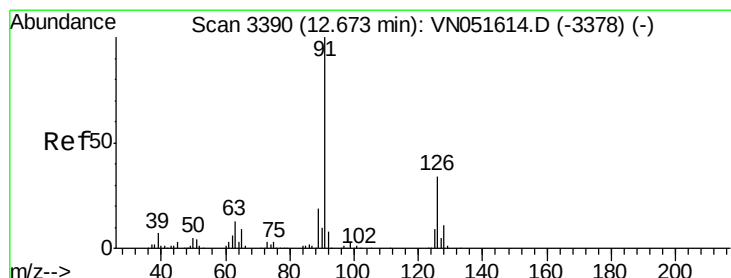
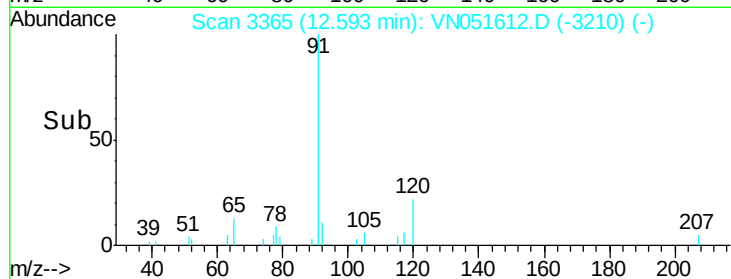
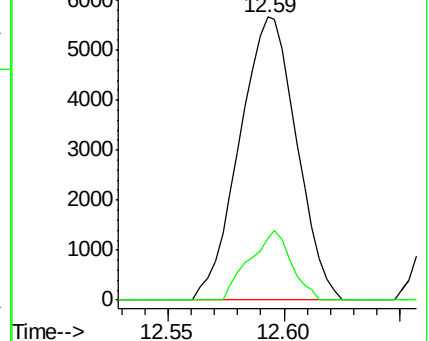
91 100

120 18.0 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 0.314 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051612.D

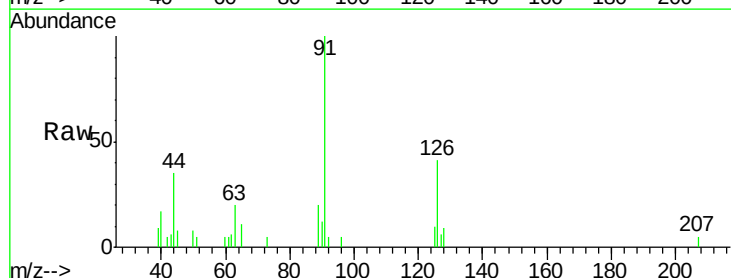
Acq: 28 Sep 2018 10:17

Tgt Ion: 91 Resp: 5992

Ion Ratio Lower Upper

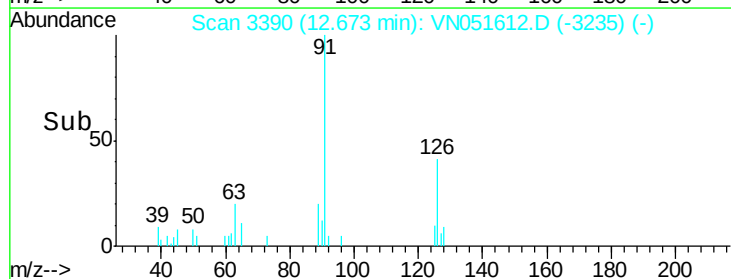
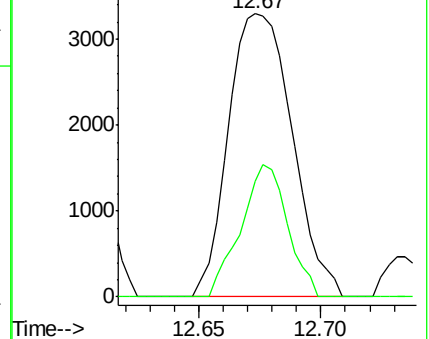
91 100

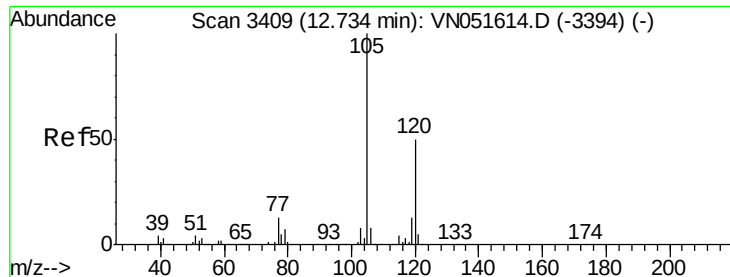
126 34.1 0.0 69.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#76

1,3,5-Trimethylbenzene

Concen: 0.214 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampled :

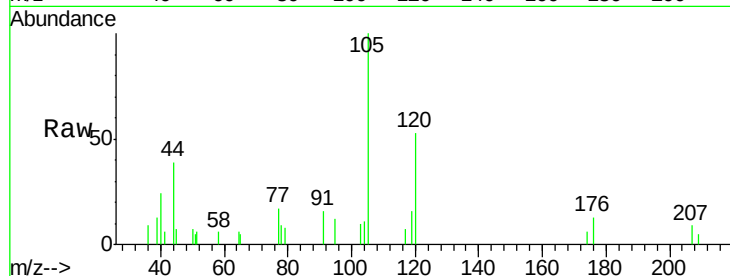
I.BLK

Tgt Ion:105 Resp: 4907

Ion Ratio Lower Upper

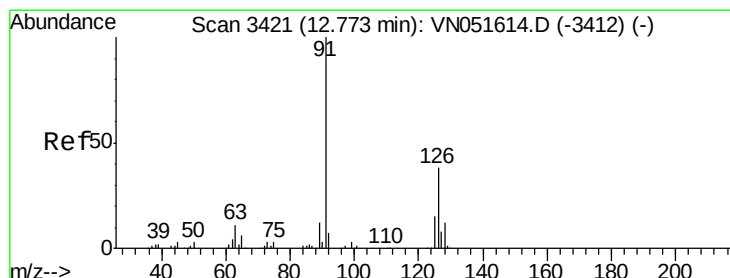
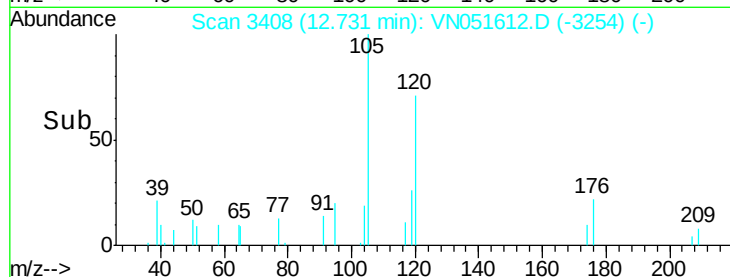
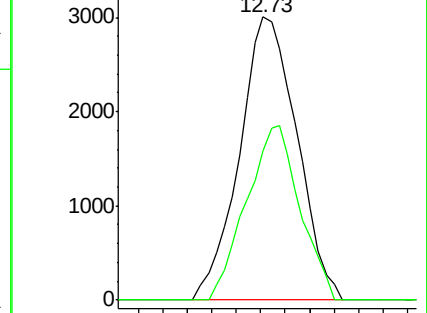
105 100

120 57.2 0.0 99.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

4-Chlorotoluene

Concen: 0.423 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN051612.D

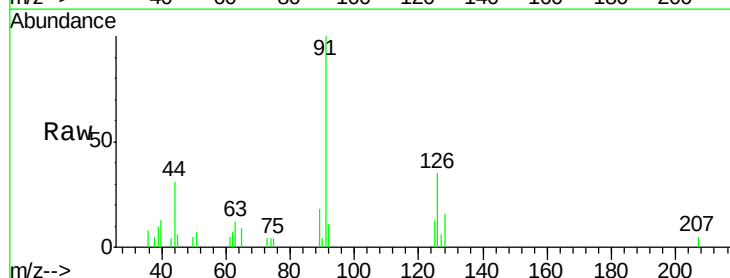
Acq: 28 Sep 2018 10:17

Tgt Ion: 91 Resp: 7979

Ion Ratio Lower Upper

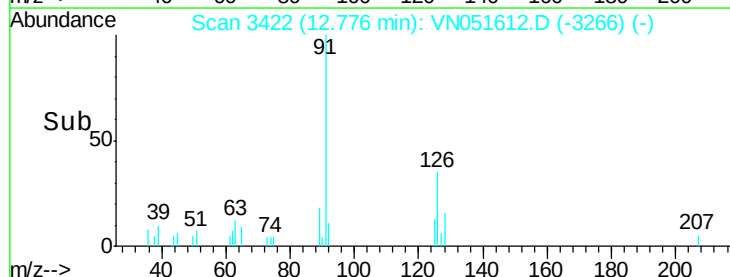
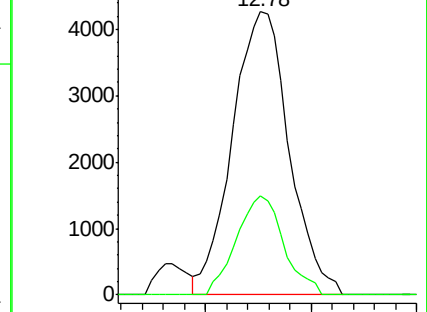
91 100

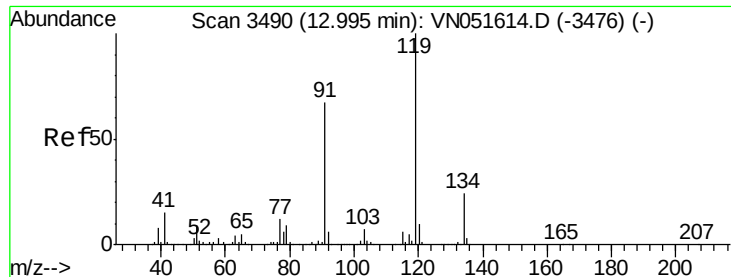
126 29.0 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

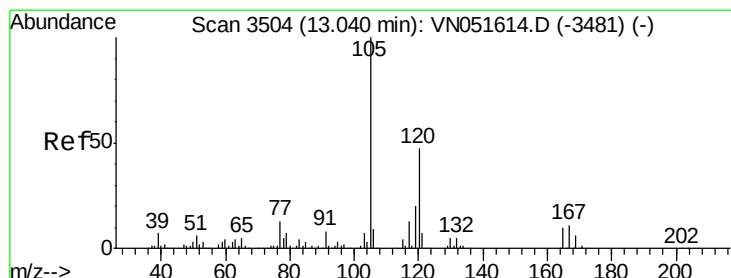
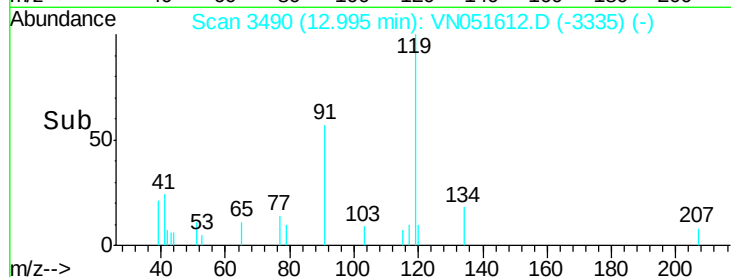
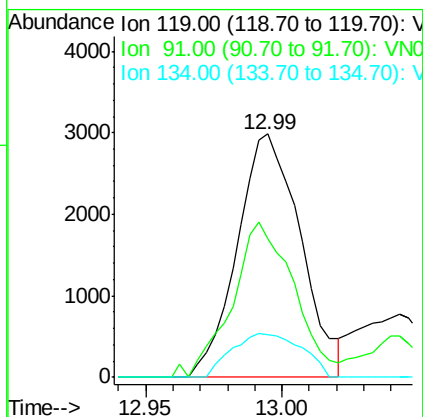
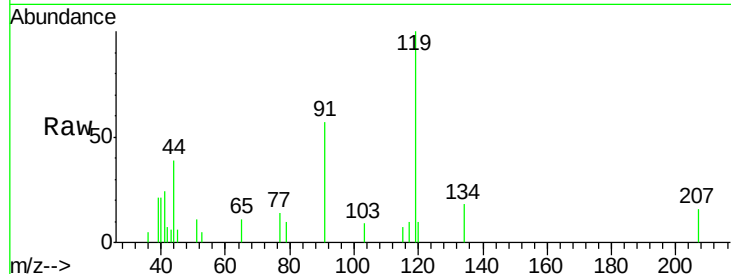




#79
 tert-butylbenzene
 Concen: 0.242 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

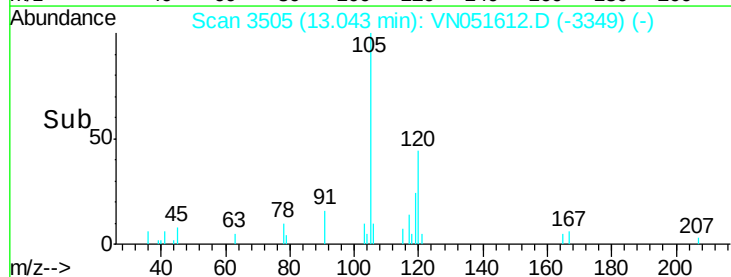
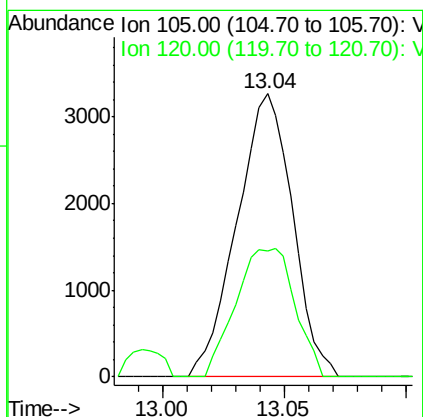
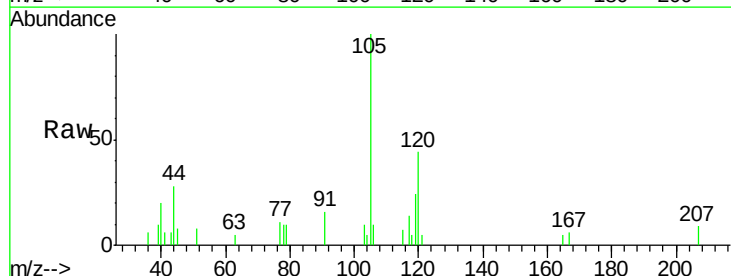
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

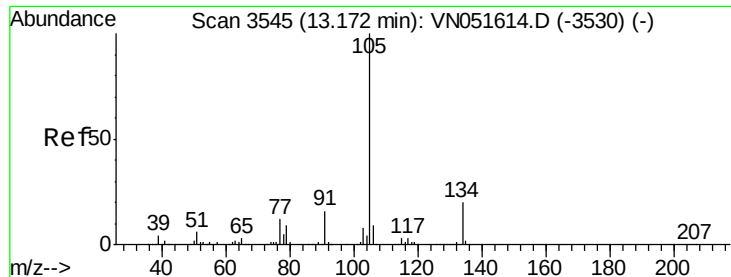
Tgt Ion:119 Resp: 4816
 Ion Ratio Lower Upper
 119 100
 91 61.6 0.0 132.4
 134 19.9 0.0 48.4



#80
 1,2,4-Trimethylbenzene
 Concen: 0.225 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

Tgt Ion:105 Resp: 5166
 Ion Ratio Lower Upper
 105 100
 120 48.1 0.0 91.6





#81

sec-Butylbenzene

Concen: 0.245 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

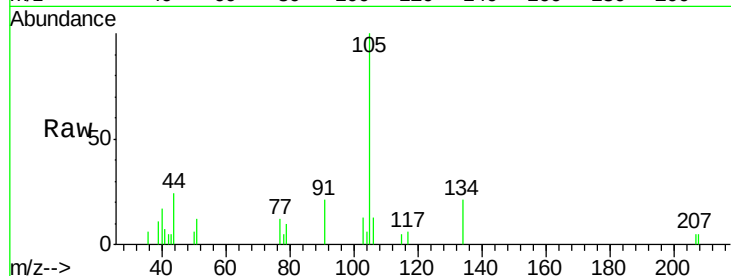
I.BLK

Tgt Ion:105 Resp: 6724

Ion Ratio Lower Upper

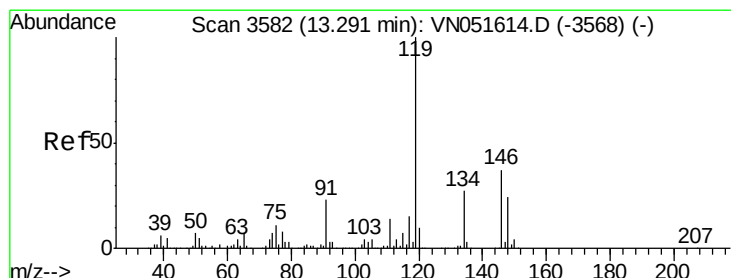
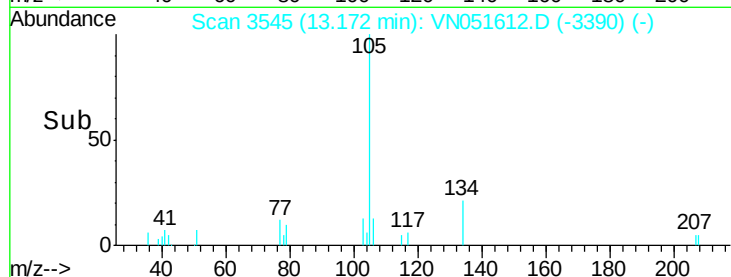
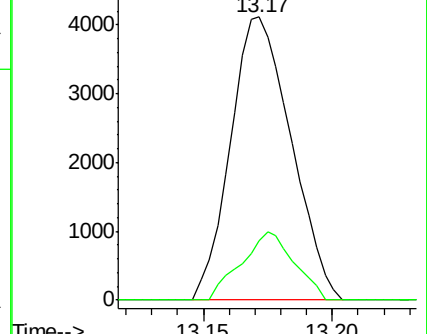
105 100

134 21.2 0.0 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 0.249 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

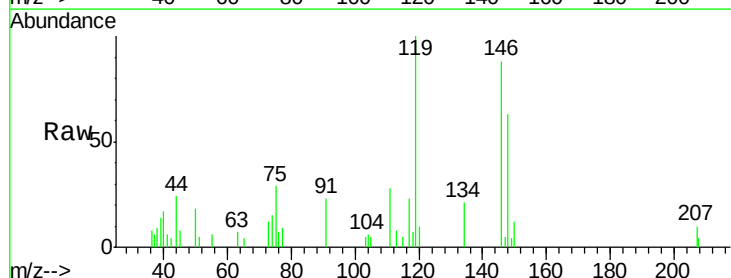
Tgt Ion:119 Resp: 5849

Ion Ratio Lower Upper

119 100

134 11.3 0.0 52.0

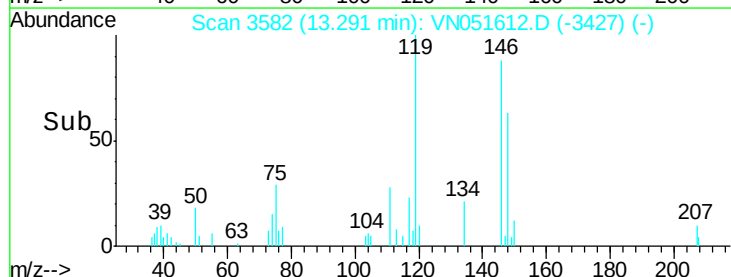
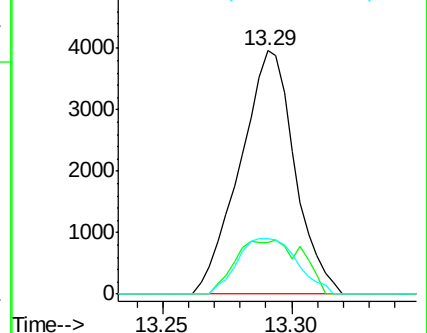
91 25.0 0.0 46.0

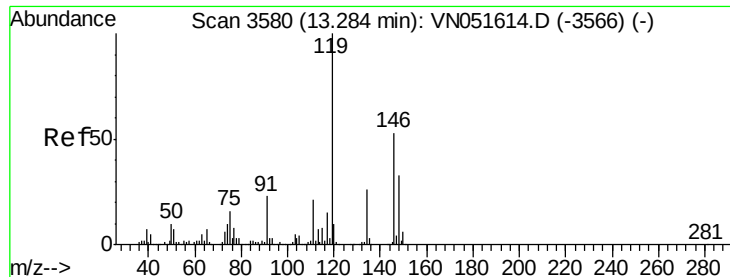


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

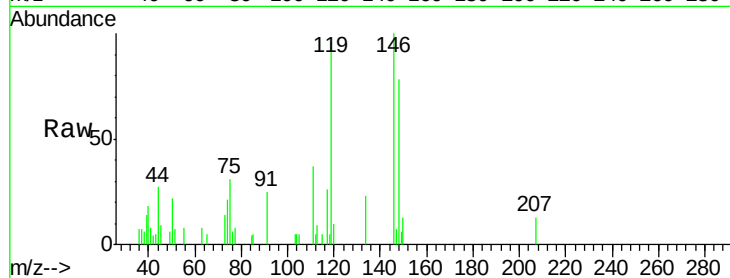




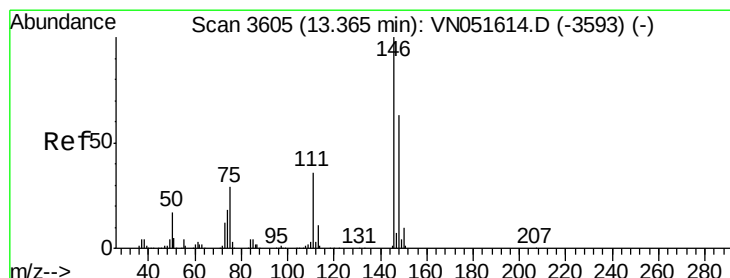
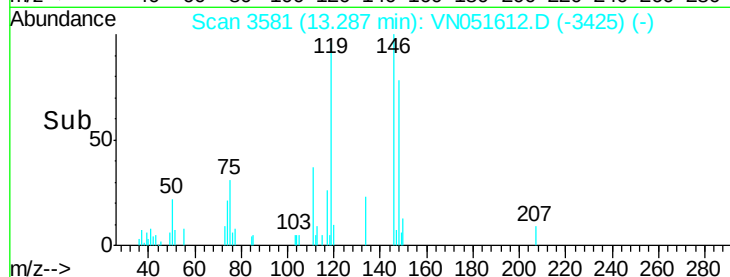
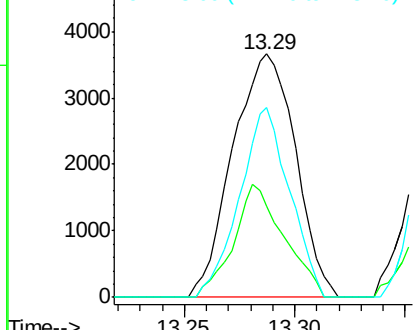
#83
 1,3-Dichlorobenzene
 Concen: 0.606 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Tgt Ion:146 Resp: 7218
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.9 59.6
 148 62.2 32.4 97.2

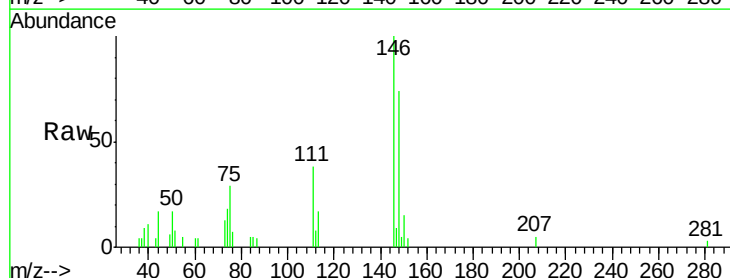


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

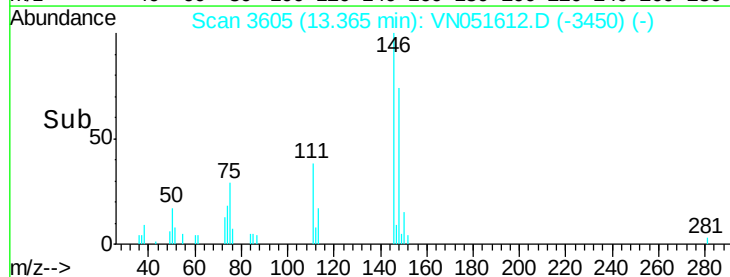
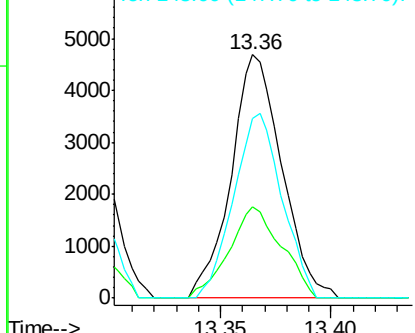


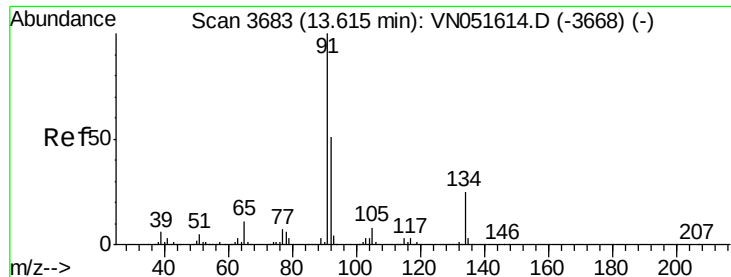
#84
 1,4-Dichlorobenzene
 Concen: 0.667 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

Tgt Ion:146 Resp: 7472
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.6 55.8
 148 72.2 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 0.376 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN051612.D

Acq: 28 Sep 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

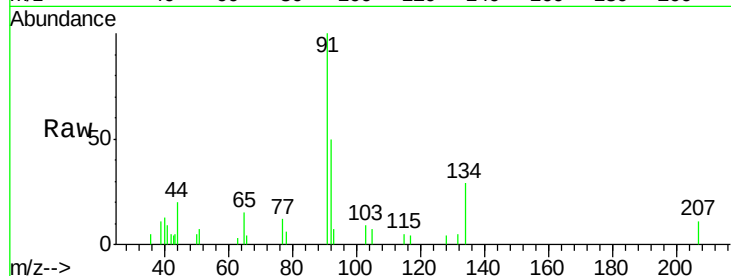
Tgt Ion: 91 Resp: 7245

Ion Ratio Lower Upper

91 100

92 50.3 0.0 101.6

134 27.6 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN051612.D (-3668) (-)

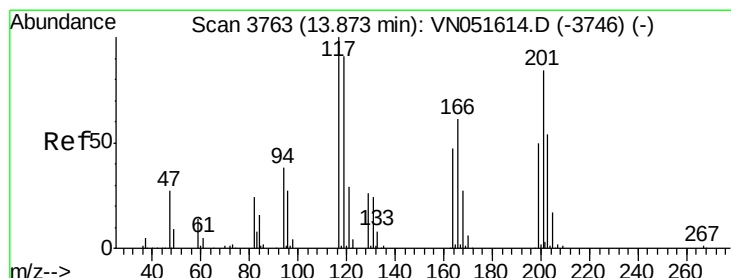
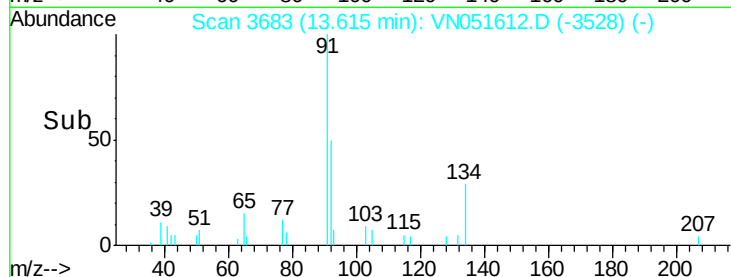
Ion 92.00 (91.70 to 92.70): VN051612.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051612.D (-3668) (-)

Time-->

13.62

13.65



#86

Hexachloroethane

Concen: 0.285 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051612.D

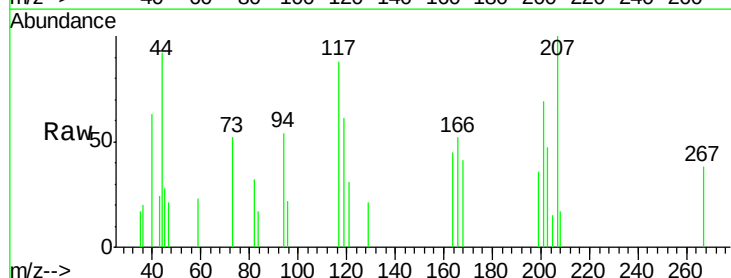
Acq: 28 Sep 2018 10:17

Tgt Ion: 117 Resp: 1341

Ion Ratio Lower Upper

117 100

201 75.8 42.9 128.5



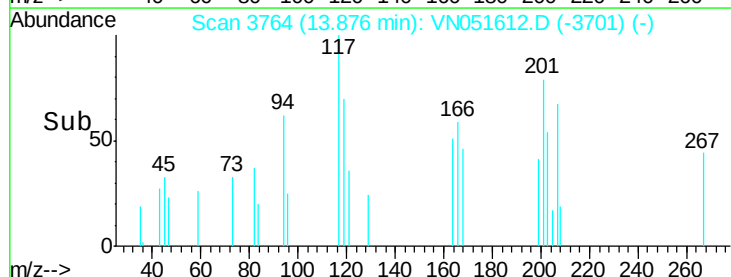
Abundance Ion 117.00 (116.70 to 117.70): VN051612.D (-3746) (-)

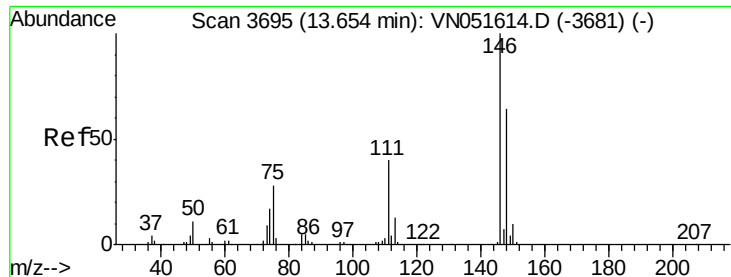
Ion 201.00 (200.70 to 201.70): VN051612.D (-3746) (-)

Time-->

13.88

13.90

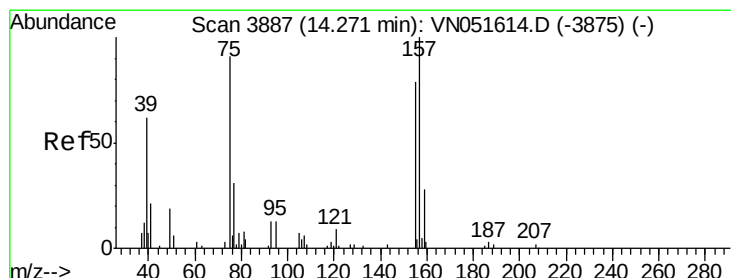
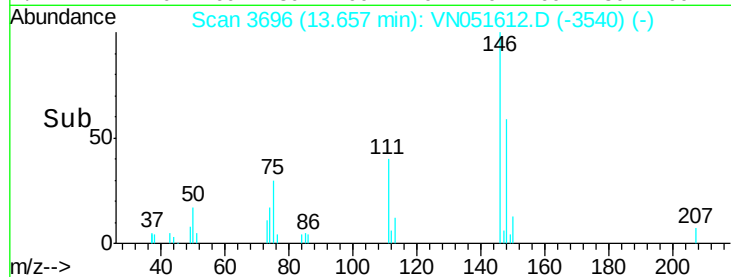
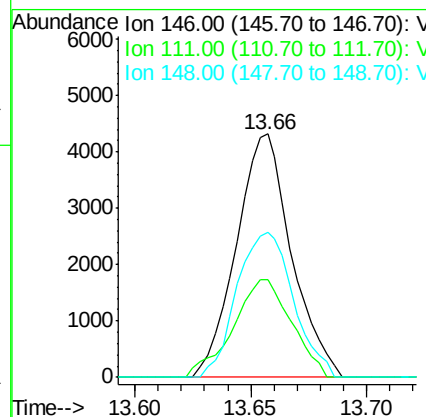
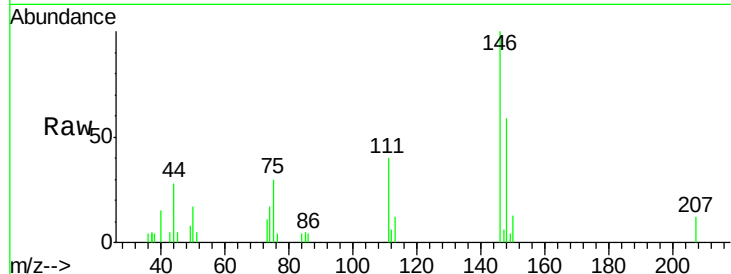




#87
 1,2-Dichlorobenzene
 Concen: 0.612 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

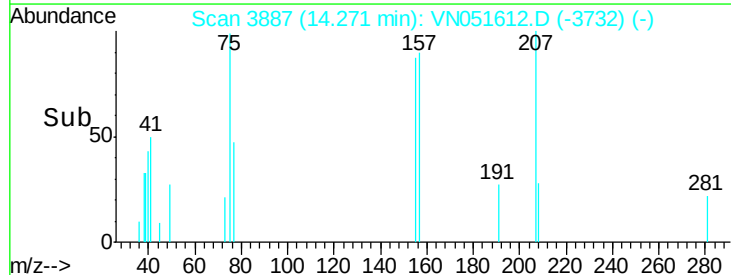
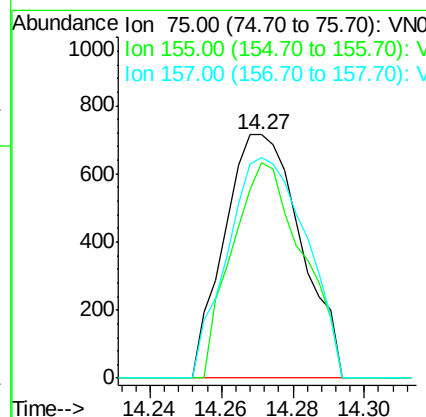
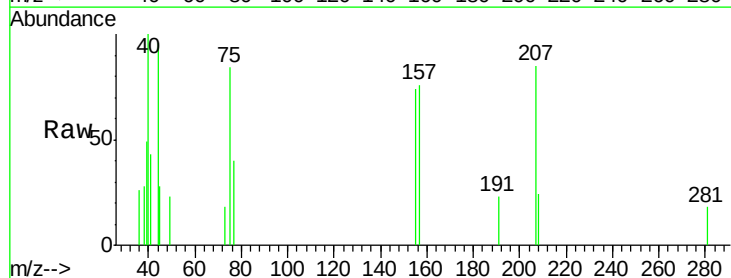
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

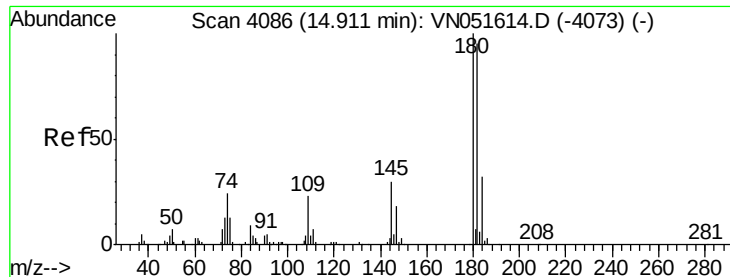
Tgt Ion: 146 Resp: 7135
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.1 60.3
 148 61.1 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 1.094 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

Tgt Ion: 75 Resp: 1060
 Ion Ratio Lower Upper
 75 100
 155 81.8 67.1 100.7
 157 93.5 85.8 128.6

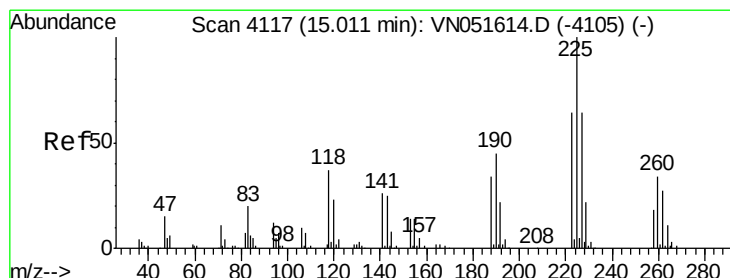
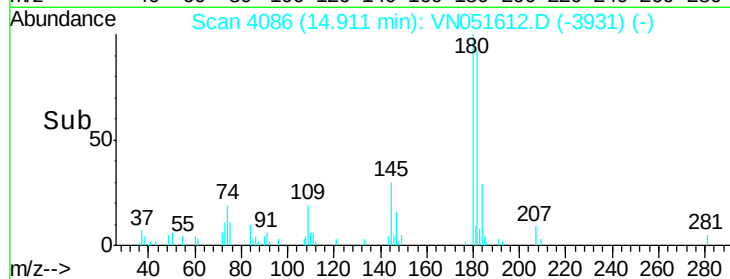
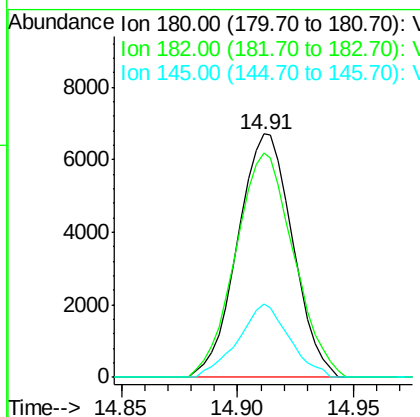
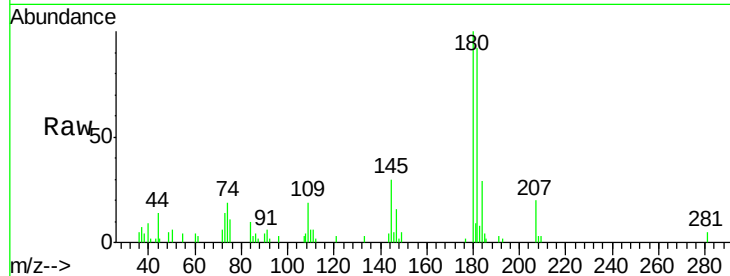




#89
 1,2,4-Trichlorobenzene
 Concen: 2.023 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

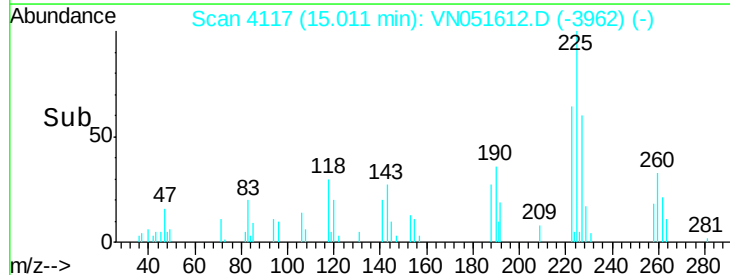
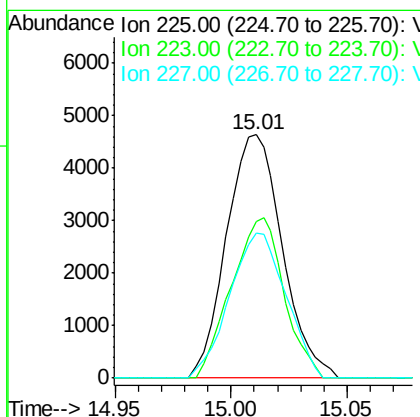
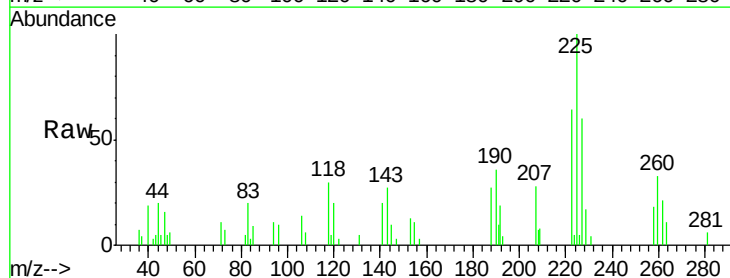
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

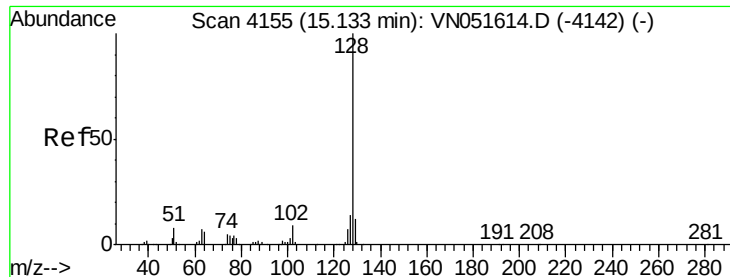
Tgt Ion:180 Resp: 11039
 Ion Ratio Lower Upper
 180 100
 182 97.4 75.2 112.8
 145 27.9 22.9 34.3



#90
 Hexachlorobutadiene
 Concen: 1.740 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051612.D
 Acq: 28 Sep 2018 10:17

Tgt Ion:225 Resp: 7740
 Ion Ratio Lower Upper
 225 100
 223 62.1 0.0 131.0
 227 60.1 0.0 129.0

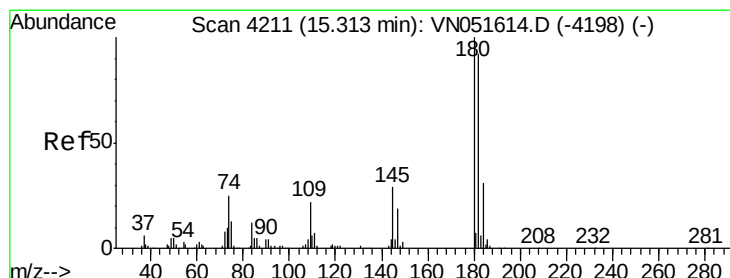
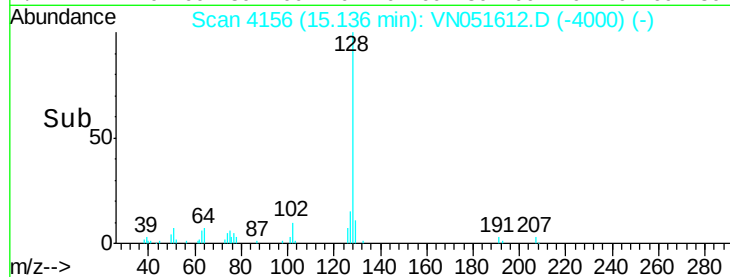
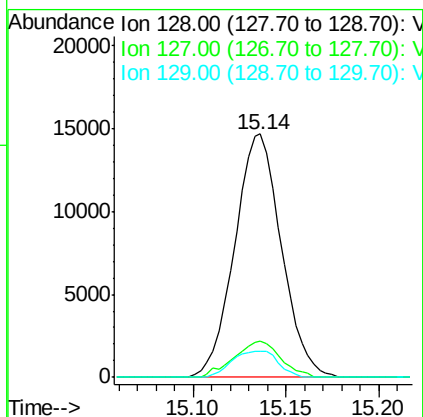
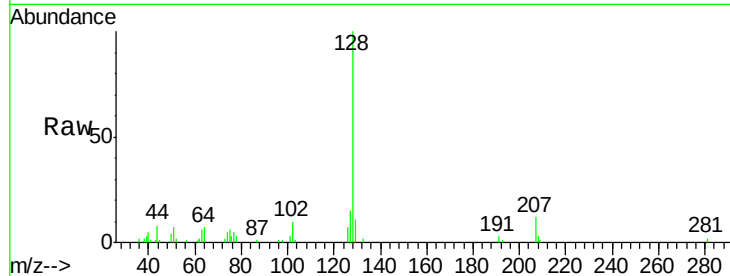




#91
Naphthalene
Concen: 2.503 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051612.D
Acq: 28 Sep 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
I.BLK

Tgt Ion:128 Resp: 25655
Ion Ratio Lower Upper
128 100
127 14.8 10.8 16.2
129 10.5 9.1 13.7



#92
1,2,3-Trichlorobenzene
Concen: 2.852 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051612.D
Acq: 28 Sep 2018 10:17

Tgt Ion:180 Resp: 15656
Ion Ratio Lower Upper
180 100
182 90.0 0.0 191.8
145 27.4 0.0 60.4

