

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050360.D
 Acq On : 4 Aug 2018 12:28
 Operator : MD\SY
 Sample : VN0804WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

Quant Time: Aug 06 01:35:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	504681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	765373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	710760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	373439	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	367073	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
35) Dibromofluoromethane	7.59	113	321195	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
50) Toluene-d8	10.09	98	1154814	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	390805	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	122777	16.93	ug/l	100
3) Chloromethane	2.06	50	130232	16.52	ug/l	97
4) Vinyl Chloride	2.18	62	133995	16.14	ug/l	99
5) Bromomethane	2.56	94	74684	15.51	ug/l	96
6) Chloroethane	2.70	64	83333	16.72	ug/l	100
7) Trichlorofluoromethane	3.01	101	183804	17.09	ug/l	98
8) Diethyl Ether	3.41	74	71680	20.00	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	114615	17.72	ug/l	99
10) Methyl Iodide	3.95	142	60181	7.25	ug/l	97
11) Tert butyl alcohol	4.80	59	53543	103.34	ug/l	99
12) 1,1-Dichloroethene	3.73	96	98228	16.89	ug/l	98
13) Acrolein	3.61	56	69184	166.20	ug/l	97
14) Allyl chloride	4.32	41	166627	18.47	ug/l	99
15) Acrylonitrile	5.00	53	235417	104.15	ug/l	99
16) Acetone	3.82	43	183408	108.12	ug/l	99
17) Carbon Disulfide	4.05	76	251419	14.11	ug/l	98
18) Methyl Acetate	4.33	43	170698	25.67	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	322904	20.83	ug/l	97
20) Methylene Chloride	4.55	84	133493	20.65	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	107467	17.44	ug/l	100
22) Diisopropyl ether	5.96	45	382465	21.39	ug/l	98
23) Vinyl Acetate	5.90	43	1182123	93.53	ug/l	99
24) 1,1-Dichloroethane	5.85	63	224154	19.17	ug/l	99
25) 2-Butanone	6.84	43	277029	103.15	ug/l	99
26) 2,2-Dichloropropane	6.83	77	174238	19.58	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	131637	19.84	ug/l	99
28) Bromochloromethane	7.20	49	119953	22.49	ug/l	100
29) Tetrahydrofuran	7.22	42	179856	103.63	ug/l	99
30) Chloroform	7.37	83	235285	19.72	ug/l	100
31) Cyclohexane	7.66	56	158118	16.26	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	189482	18.56	ug/l	99
36) 1,1-Dichloropropene	7.80	75	150567	17.46	ug/l	99
37) Ethyl Acetate	6.93	43	116663	19.40	ug/l	99
38) Carbon Tetrachloride	7.78	117	162160	17.72	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	142292	16.04	ug/l	94
40) Benzene	8.04	78	498764	19.01	ug/l	99
41) Methacrylonitrile	7.18	41	58919	20.53	ug/l	87
42) 1,2-Dichloroethane	8.13	62	172025	19.65	ug/l	99
43) Isopropyl Acetate	8.17	43	225581	19.21	ug/l	98
44) Trichloroethene	8.84	130	126002	17.87	ug/l	100
45) 1,2-Dichloropropane	9.12	63	138627	19.95	ug/l	97
46) Dibromomethane	9.21	93	87086	20.18	ug/l	99
47) Bromodichloromethane	9.40	83	179776	19.74	ug/l	100
48) Methyl methacrylate	9.20	41	105732	20.42	ug/l	99
49) 1,4-Dioxane	9.20	88	31097	441.32	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	625778	105.88	ug/l	99
52) Toluene	10.16	92	305315	19.71	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	172617	20.08	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	197590	20.12	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	127306	20.72	ug/l	98
56) Ethyl methacrylate	10.43	69	152311	19.59	ug/l	99
57) 1,3-Dichloropropane	10.71	76	208958	20.89	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	342817	93.69	ug/l	99
59) 2-Hexanone	10.75	43	422420	100.43	ug/l	98
60) Dibromochloromethane	10.90	129	139730	20.54	ug/l	98
61) 1,2-Dibromoethane	11.01	107	122176	20.04	ug/l	97
64) Tetrachloroethene	10.63	164	119211	17.45	ug/l	98
65) Chlorobenzene	11.44	112	334815	18.65	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	133991	19.42	ug/l	98
67) Ethyl Benzene	11.51	91	531949	18.44	ug/l	99
68) m/p-Xylenes	11.62	106	419765	38.48	ug/l	99
69) o-Xylene	11.95	106	202763	19.50	ug/l	98
70) Styrene	11.97	104	334999	18.70	ug/l	99
71) Bromoform	12.13	173	94555	18.84	ug/l #	98
73) Isopropylbenzene	12.25	105	527144	18.20	ug/l	100
74) N-amyl acetate	12.07	43	168974	19.09	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	167838	20.66	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	199587	28.76	ug/l #	100
77) Bromobenzene	12.53	156	147270	18.35	ug/l	98
78) n-propylbenzene	12.59	91	593902	18.35	ug/l	100
79) 2-Chlorotoluene	12.68	91	377435	18.81	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	440000	19.31	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40870	18.68	ug/l	95
82) 4-Chlorotoluene	12.78	91	379739	19.11	ug/l	99
83) tert-Butylbenzene	12.99	119	373961	18.81	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	454809	19.81	ug/l	100
85) sec-Butylbenzene	13.17	105	495702	18.66	ug/l	100
86) p-Isopropyltoluene	13.29	119	427455	19.10	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	256955	18.88	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	252048	19.00	ug/l	98
89) n-Butylbenzene	13.62	91	335907	18.25	ug/l	99
90) Hexachloroethane	13.88	117	75547	15.20	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	261443	19.22	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25988	19.65	ug/l	97

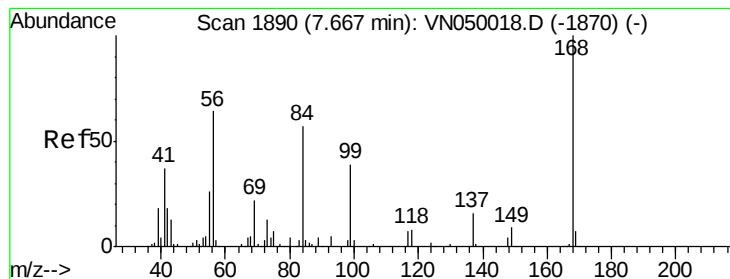
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	126179	19.50	ug/l	99
94) Hexachlorobutadiene	15.01	225	75829	18.21	ug/l	99
95) Naphthalene	15.13	128	279894	19.38	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	127323	19.53	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

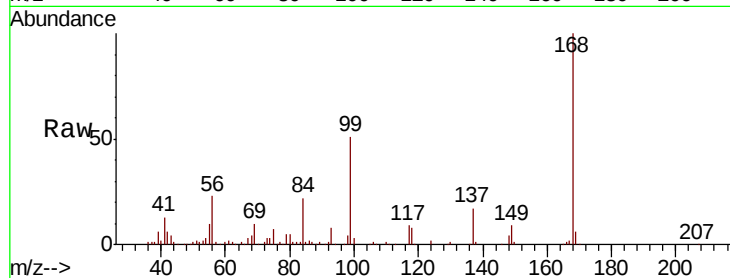
VN0804WBSD01

Tot Ion:168 Resp: 504681

Ion Ratio Lower Upper

168 100

99 51.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

250000

200000

150000

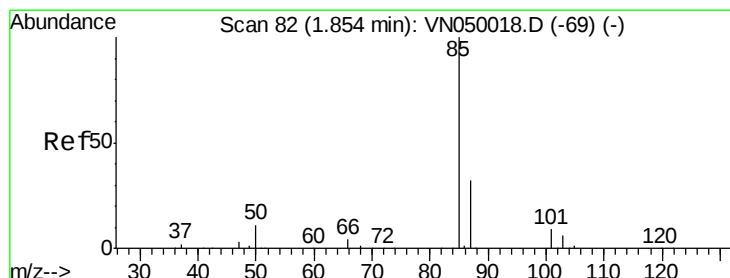
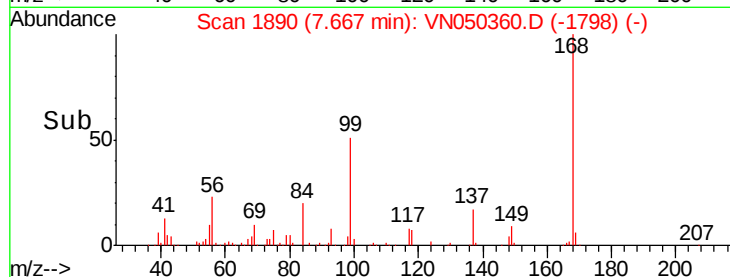
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.93 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050360.D

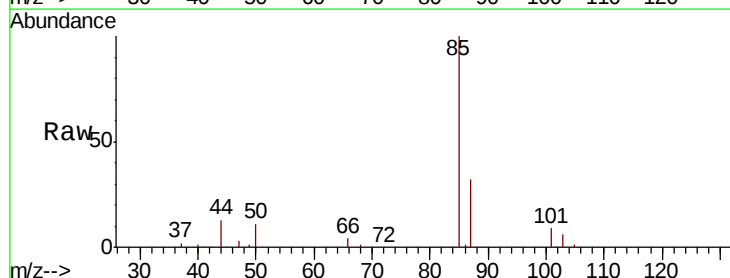
Acq: 4 Aug 2018 12:28

Tgt Ion: 85 Resp: 122777

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN050018.D (-69) (-)

Ion 86.90 (86.60 to 87.60): VN050018.D (-69) (-)

1.85

100000

80000

60000

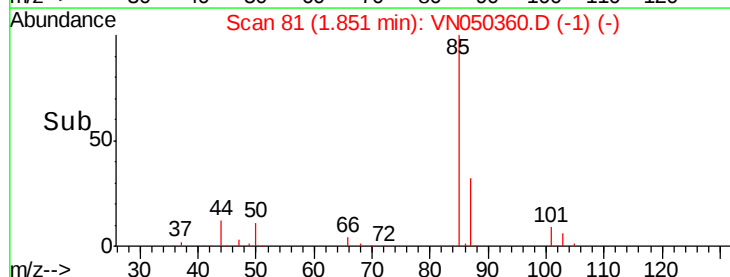
40000

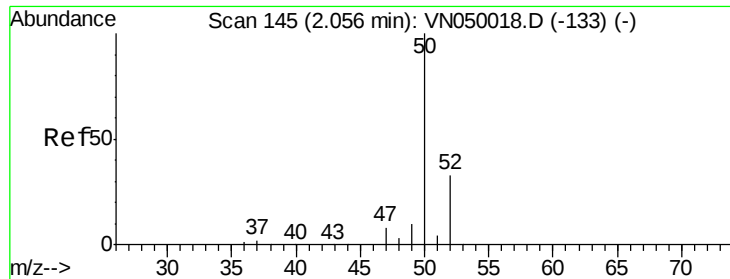
20000

0

1.80 1.85 1.90 1.95

Time-->

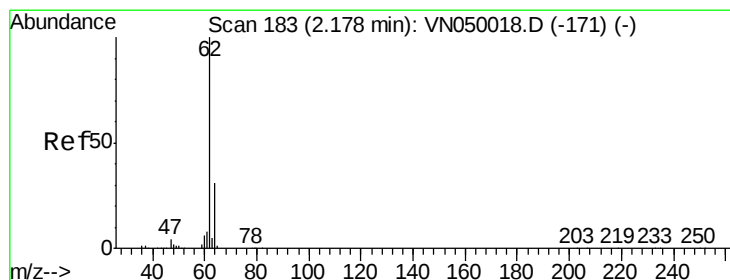
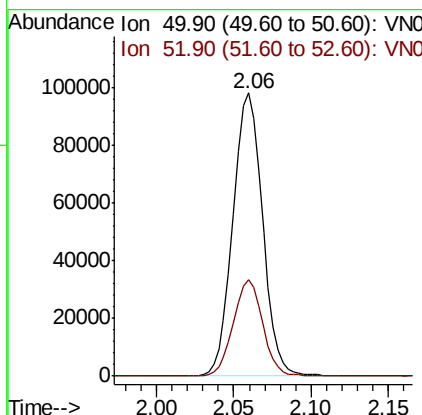
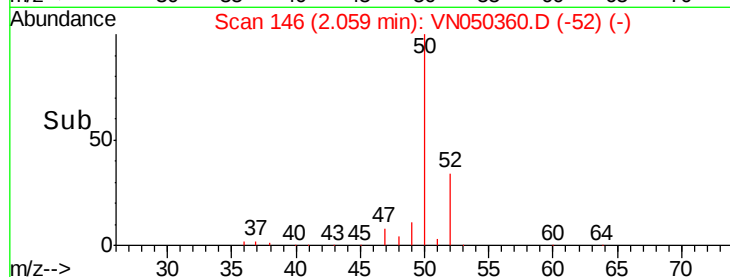
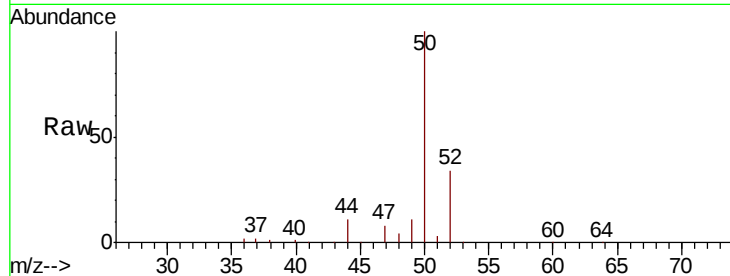




#3
Chloromethane
Concen: 16.52 ug/l
RT: 2.06 min Scan# 146
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

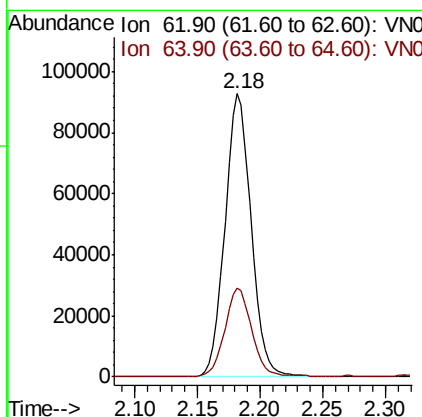
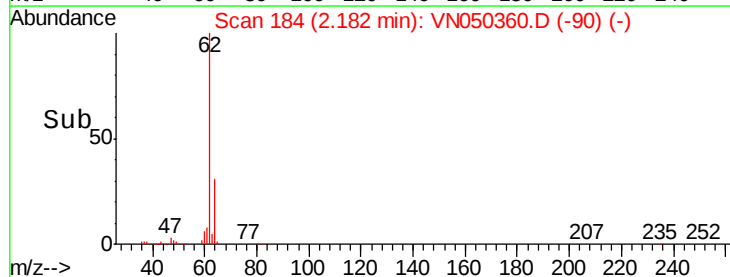
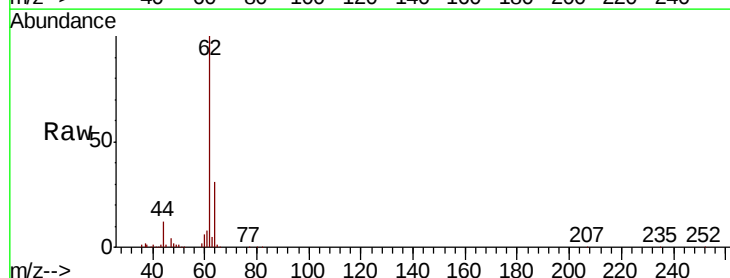
Instrument :
MSVOA_N
ClientSampled :
VN0804WBSD01

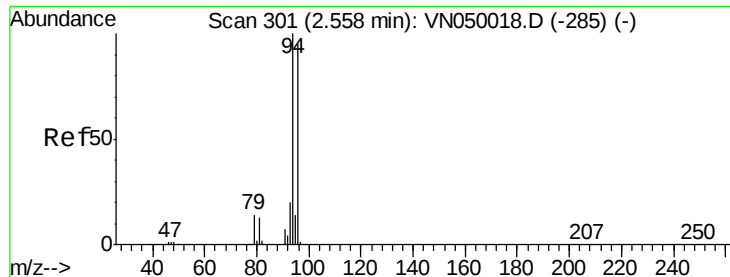
Tot Ion: 50 Resp: 130232
Ion Ratio Lower Upper
50 100
52 34.1 25.9 38.9



#4
Vinyl Chloride
Concen: 16.14 ug/l
RT: 2.18 min Scan# 184
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion: 62 Resp: 133995
Ion Ratio Lower Upper
62 100
64 31.3 24.7 37.1





#5

Bromomethane

Concen: 15.51 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

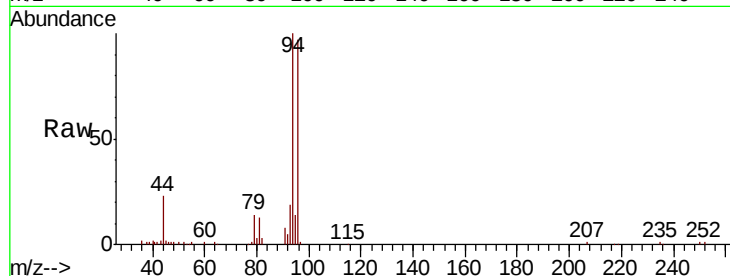
VN0804WBSD01

Tot Ion: 94 Resp: 74684

Ion Ratio Lower Upper

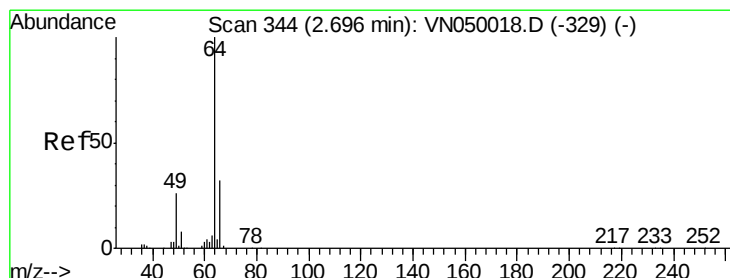
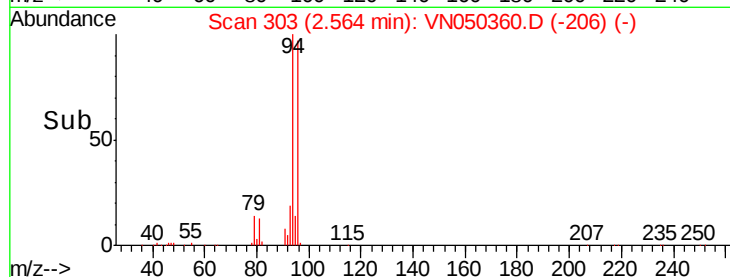
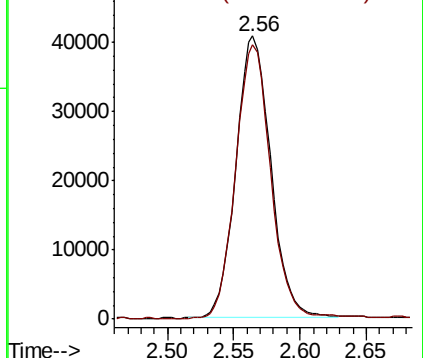
94 100

96 96.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.72 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050360.D

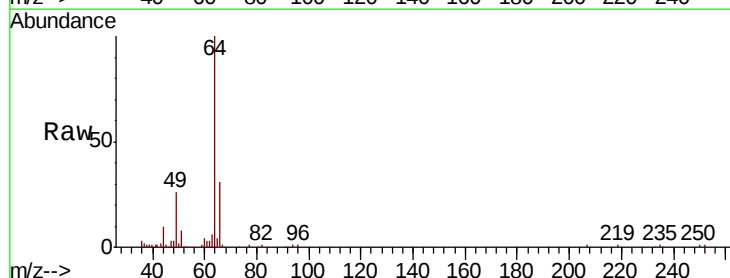
Acq: 4 Aug 2018 12:28

Tgt Ion: 64 Resp: 83333

Ion Ratio Lower Upper

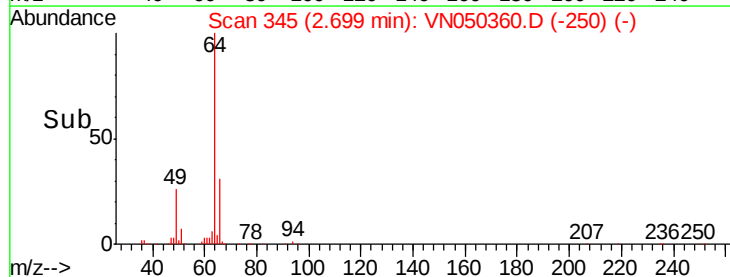
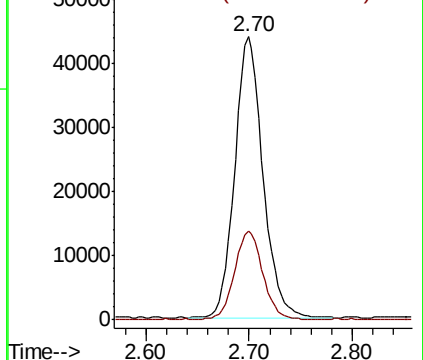
64 100

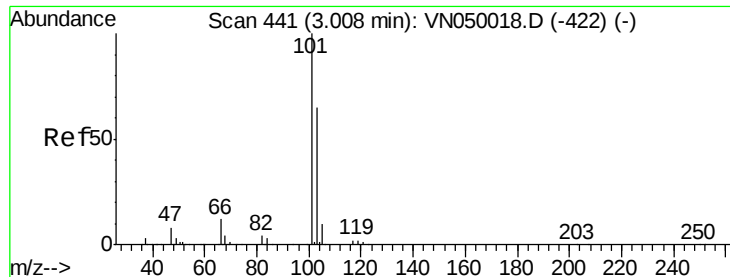
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



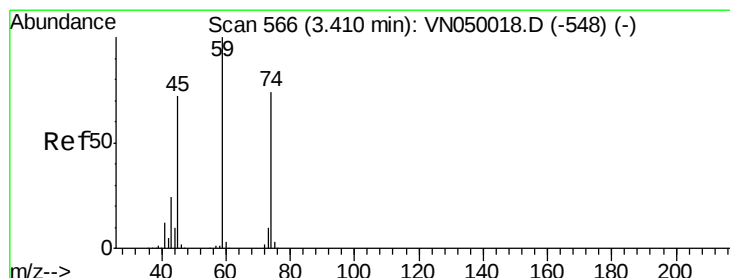
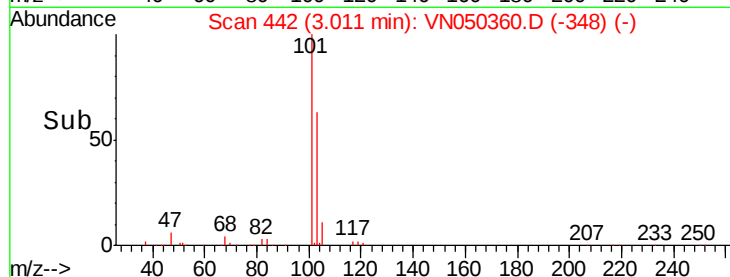
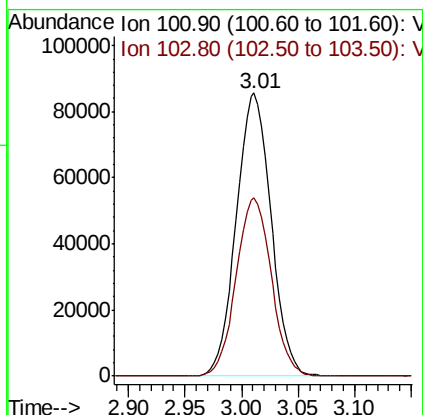
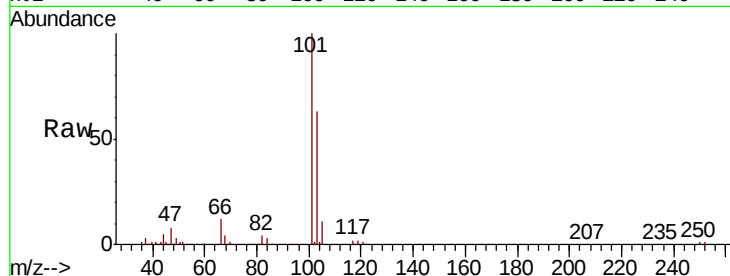


#7

Trichlorofluoromethane
 Concen: 17.09 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

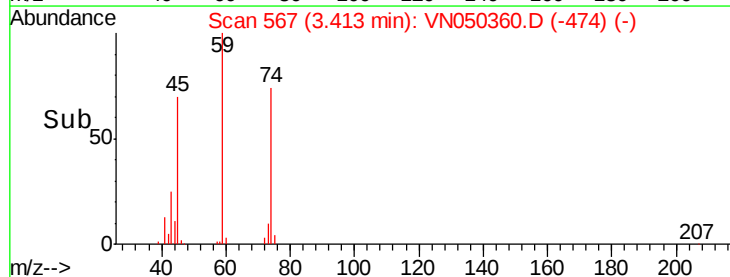
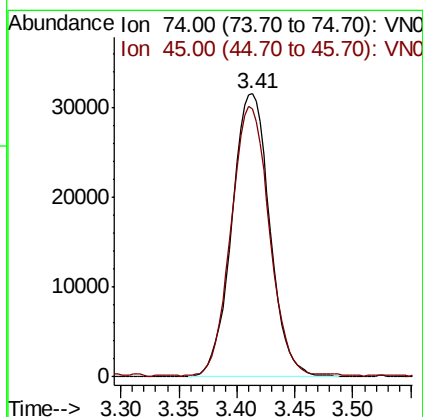
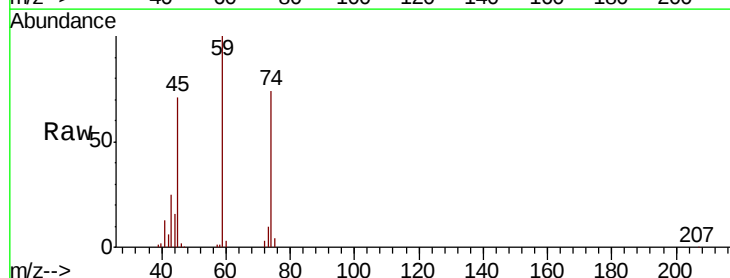
Tot Ion:101 Resp: 183804
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.7 77.5

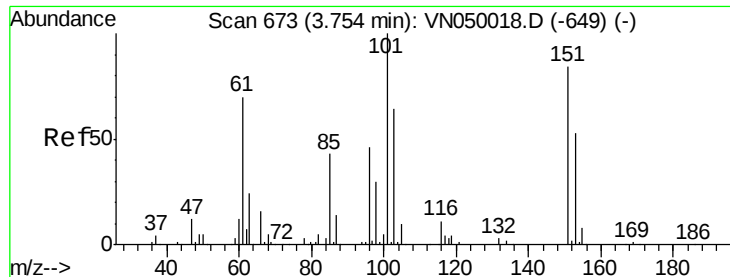


#8

Diethyl Ether
 Concen: 20.00 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion: 74 Resp: 71680
 Ion Ratio Lower Upper
 74 100
 45 96.8 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.72 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

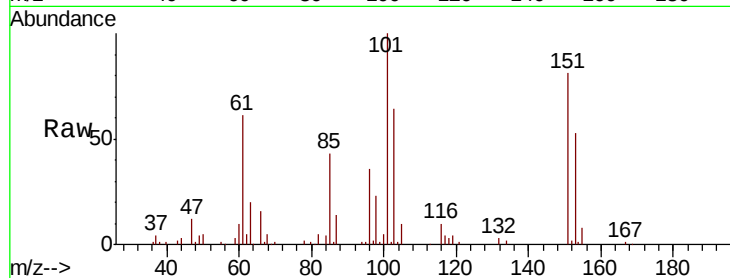
Tot Ion:101 Resp: 114615

Ion Ratio Lower Upper

101 100

85 43.4 34.2 51.2

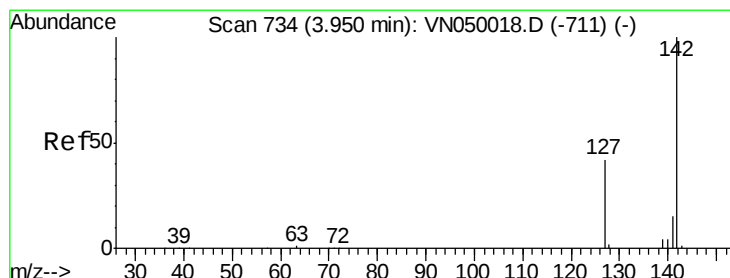
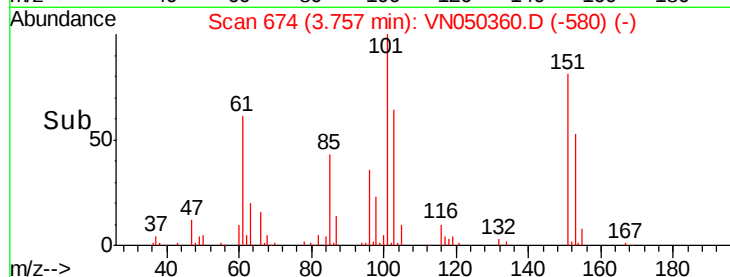
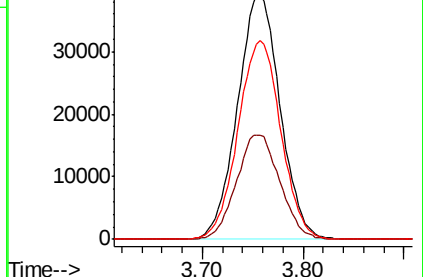
151 81.6 66.3 99.5



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: 7.25 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

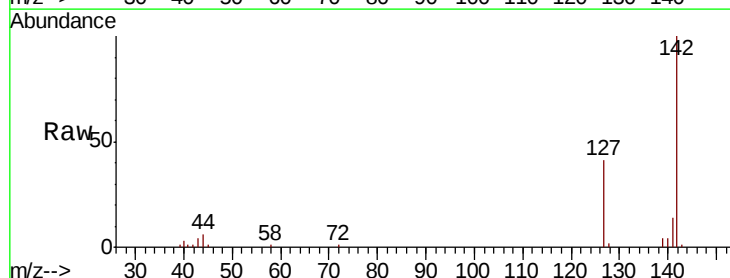
Tgt Ion:142 Resp: 60181

Ion Ratio Lower Upper

142 100

127 39.9 33.4 50.2

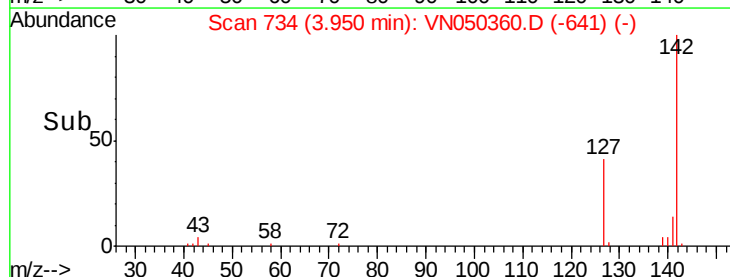
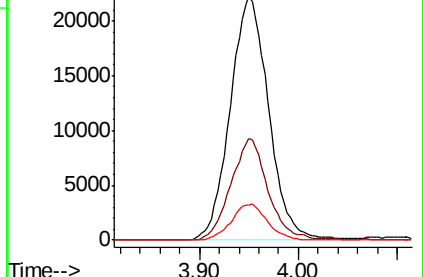
141 13.7 11.6 17.4

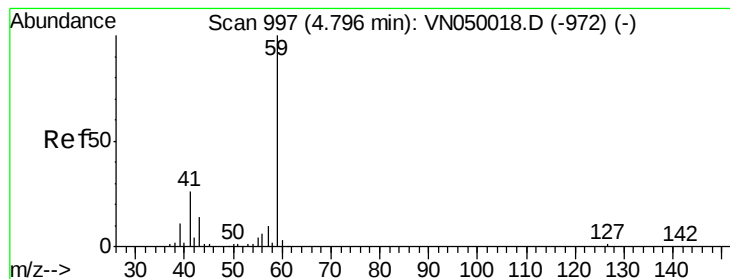


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



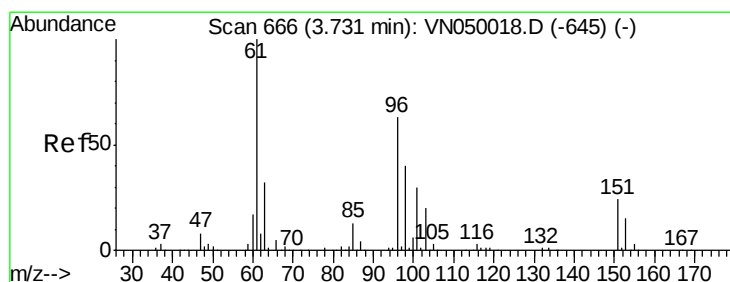
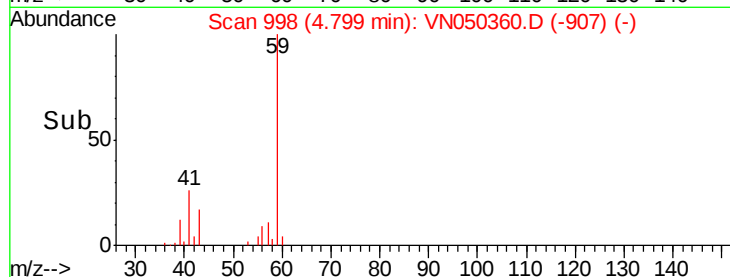
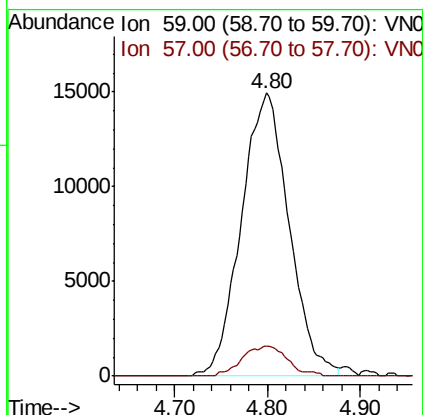
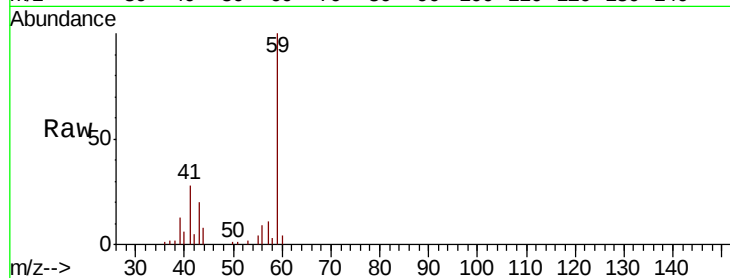


#11

Tert butyl alcohol
 Concen: 103.34 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

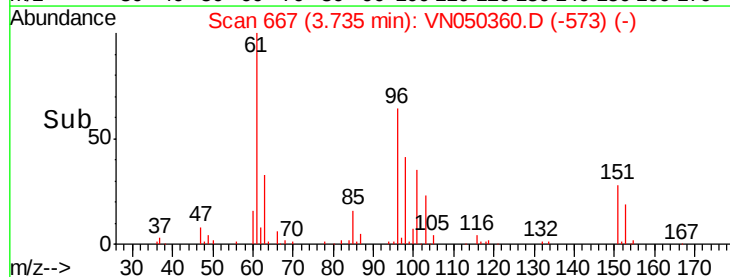
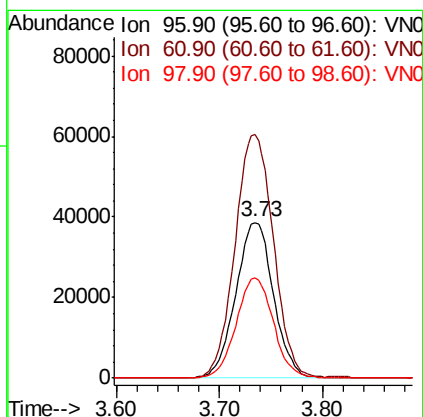
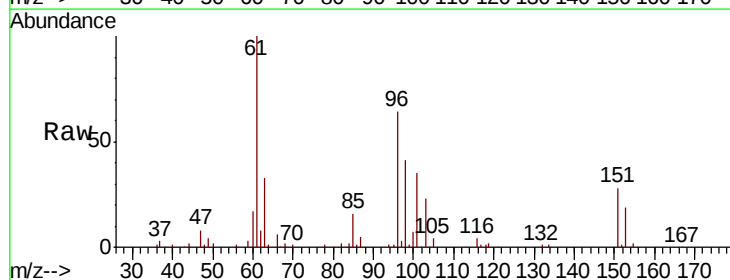
Tot Ion: 59 Resp: 53543
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

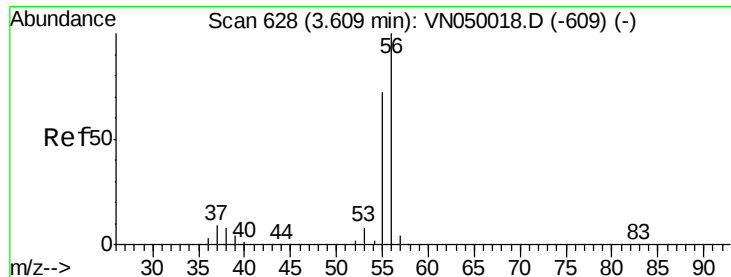


#12

1,1-Dichloroethene
 Concen: 16.89 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion: 96 Resp: 98228
 Ion Ratio Lower Upper
 96 100
 61 156.3 124.4 186.6
 98 64.3 48.3 72.5





#13

Acrolein

Concen: 166.20 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

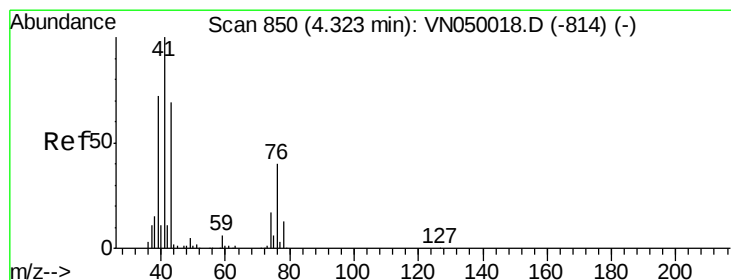
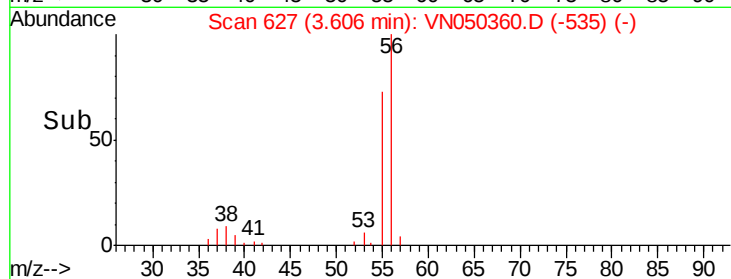
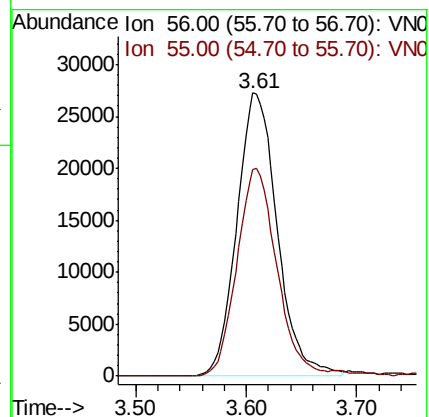
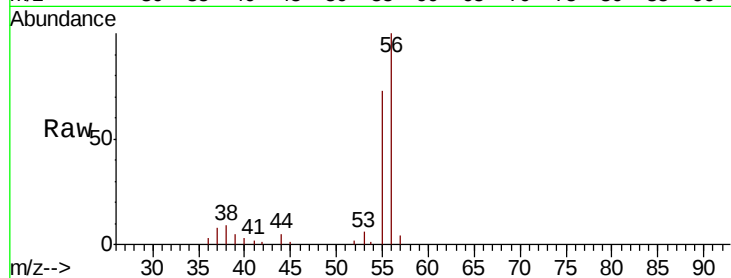
VN0804WBSD01

Tot Ion: 56 Resp: 69184

Ion Ratio Lower Upper

56 100

55 72.2 55.8 83.6



#14

Allyl chloride

Concen: 18.47 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

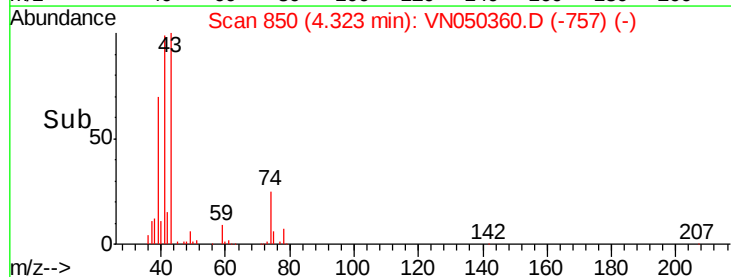
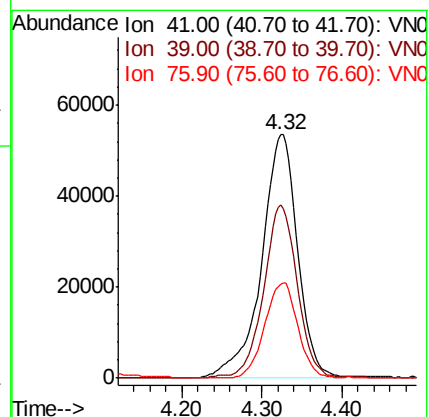
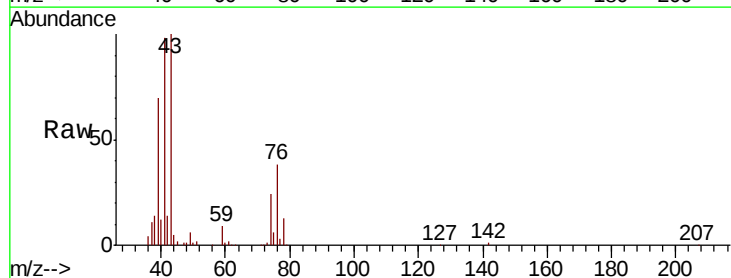
Tgt Ion: 41 Resp: 166627

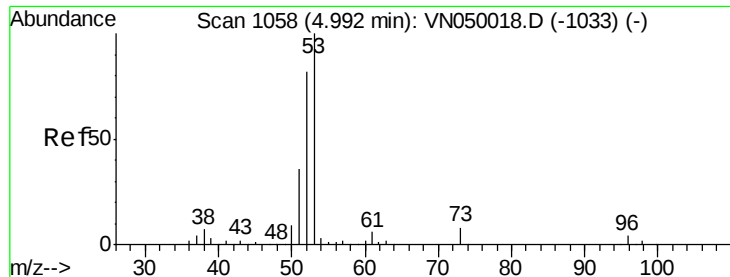
Ion Ratio Lower Upper

41 100

39 66.4 54.2 81.4

76 36.0 29.0 43.6





#15

Acrylonitrile

Concen: 104.15 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampled :

VN0804WBSD01

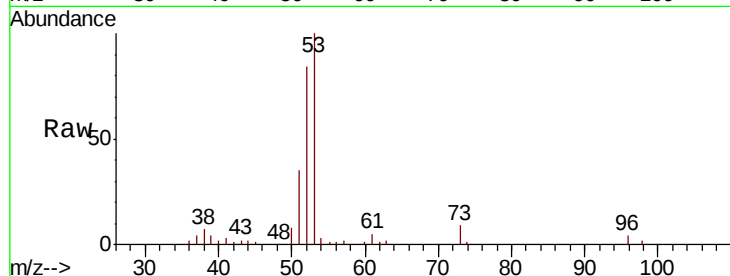
Tot Ion: 53 Resp: 235417

Ion Ratio Lower Upper

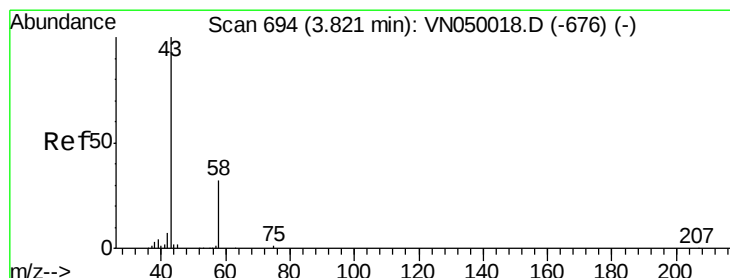
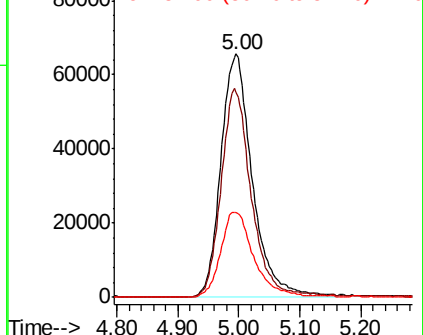
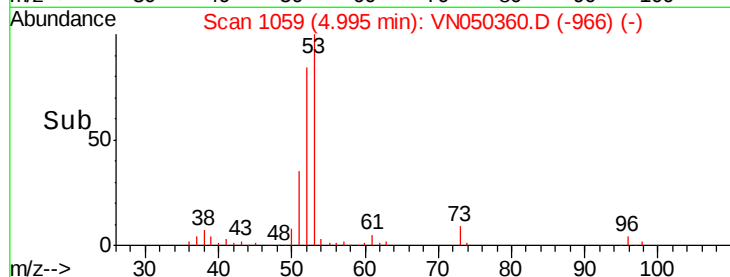
53 100

52 81.7 66.2 99.2

51 36.8 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN050360.D (-966) (-)



#16

Acetone

Concen: 108.12 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050360.D

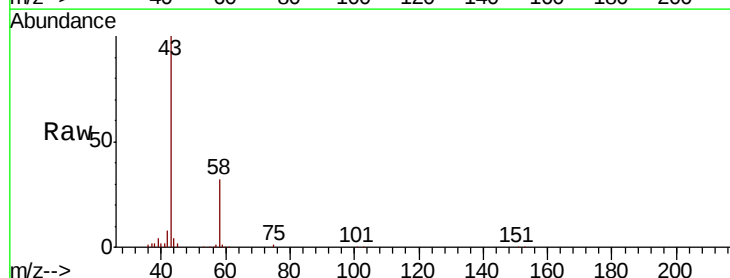
Acq: 4 Aug 2018 12:28

Tgt Ion: 43 Resp: 183408

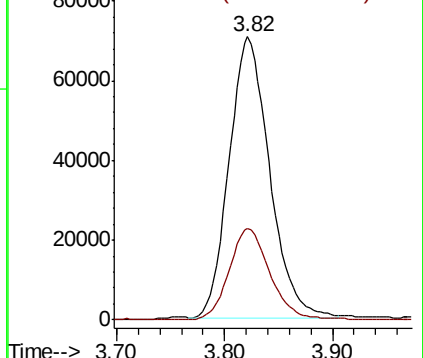
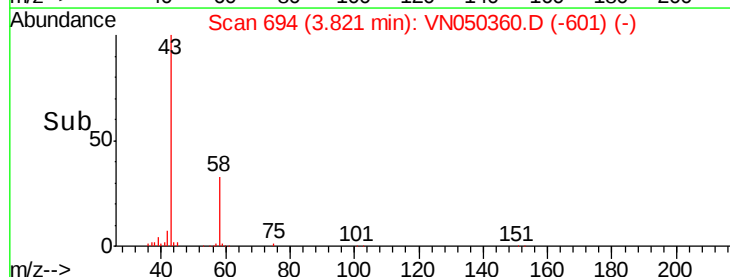
Ion Ratio Lower Upper

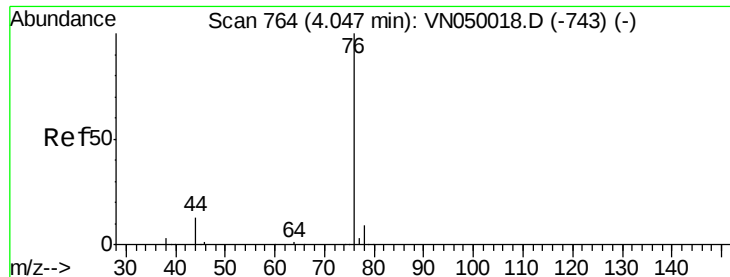
43 100

58 32.7 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050360.D (-601) (-)

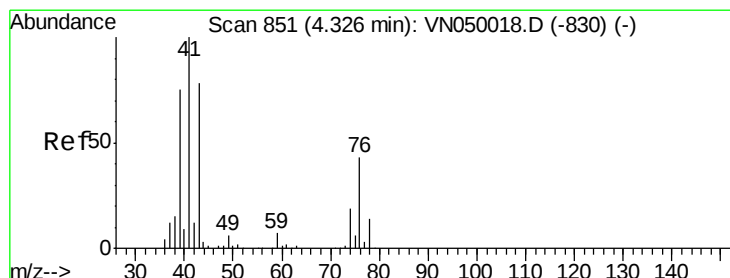
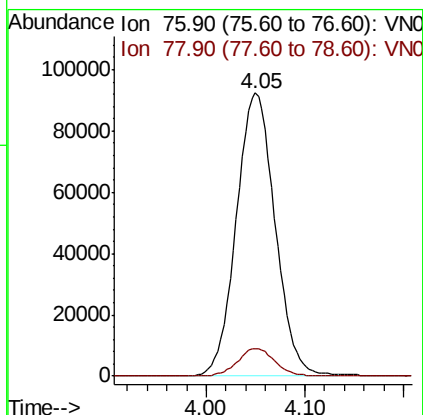
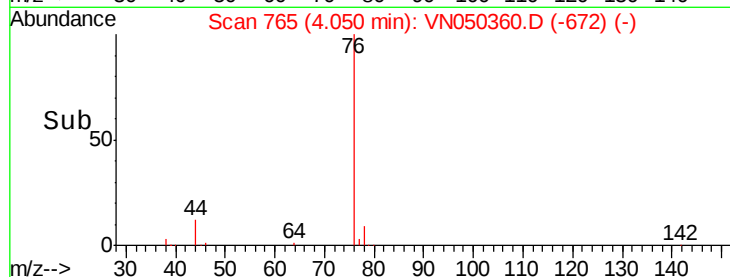
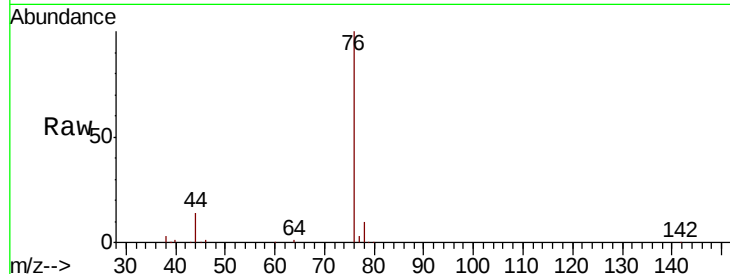




#17
Carbon Disulfide
Concen: 14.11 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

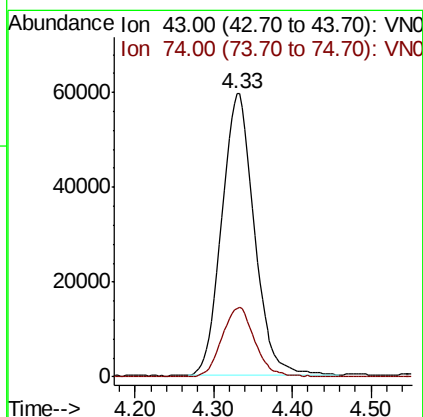
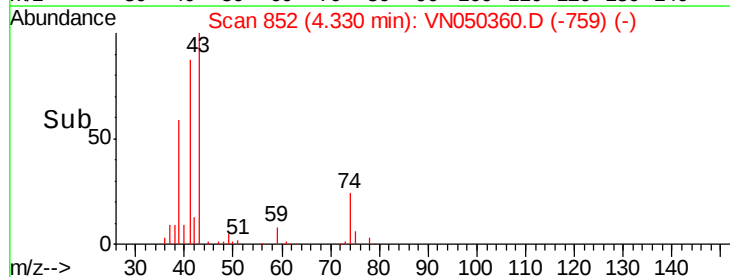
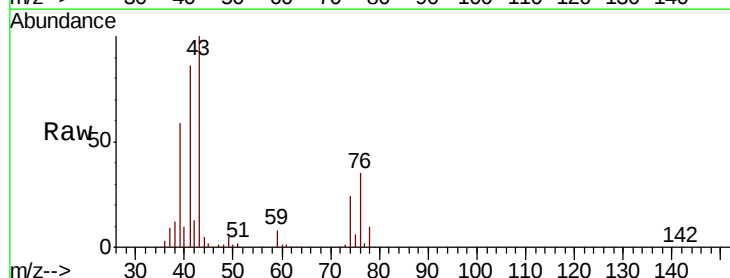
Instrument :
MSVOA_N
ClientSampled :
VN0804WBSD01

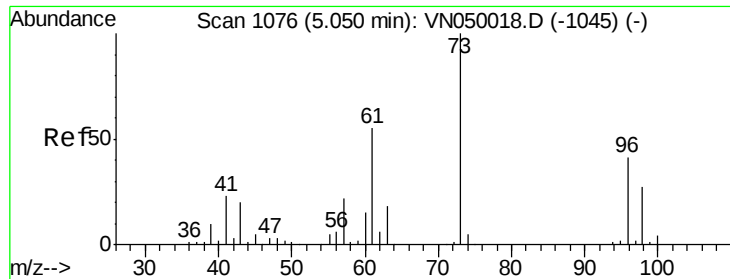
Tot Ion: 76 Resp: 251419
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9



#18
Methyl Acetate
Concen: 25.67 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion: 43 Resp: 170698
Ion Ratio Lower Upper
43 100
74 24.8 19.2 28.8

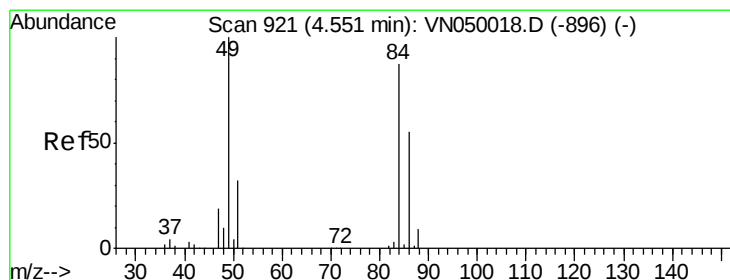
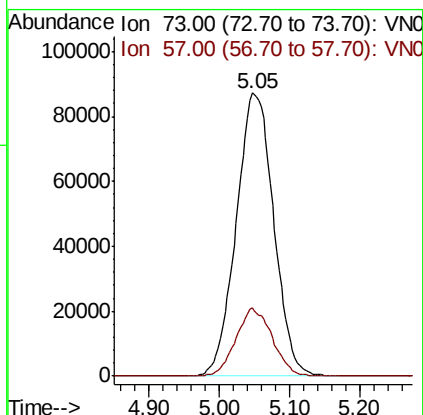
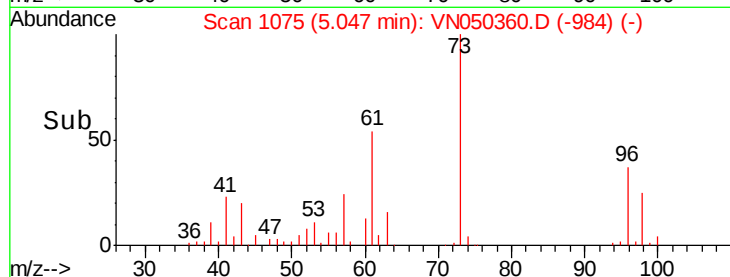
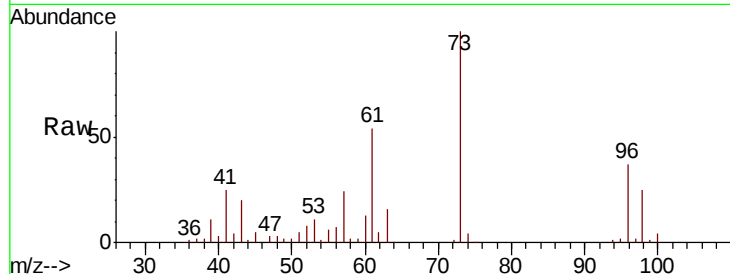




#19
Methyl tert-butyl Ether
Concen: 20.83 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

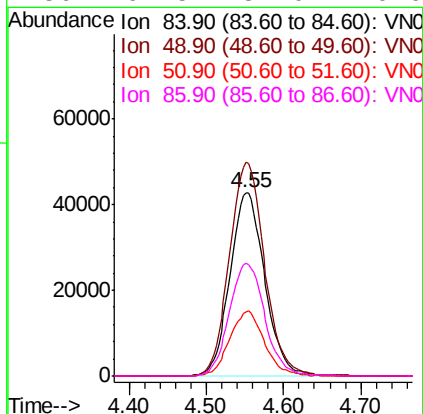
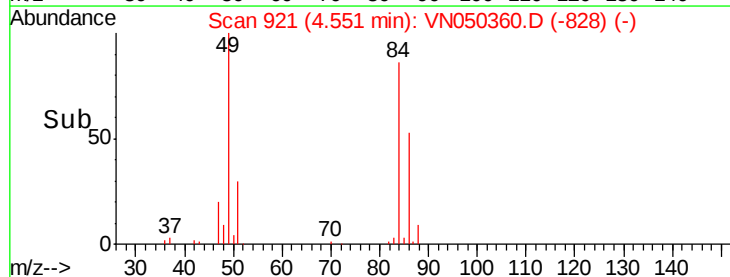
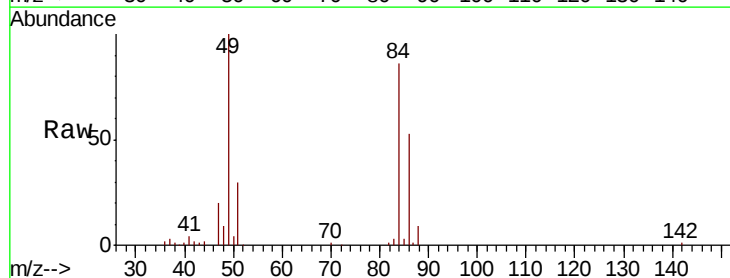
Instrument :
MSVOA_N
ClientSampleID :
VN0804WBSD01

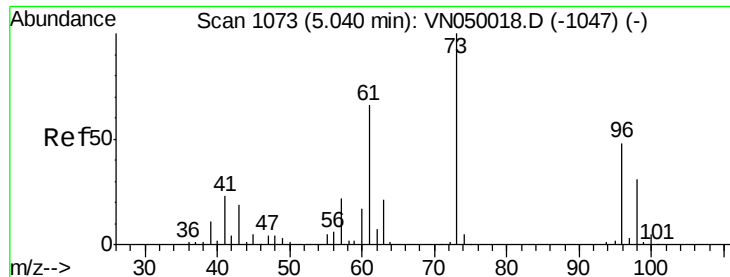
Tot Ion: 73 Resp: 322904
Ion Ratio Lower Upper
73 100
57 24.0 18.0 27.0



#20
Methylene Chloride
Concen: 20.65 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion: 84 Resp: 133493
Ion Ratio Lower Upper
84 100
49 116.4 94.8 142.2
51 35.2 28.3 42.5
86 61.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 17.44 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

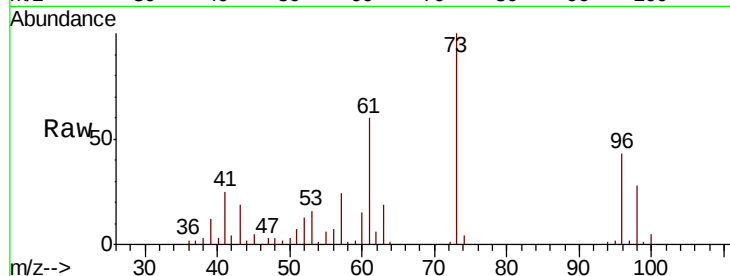
Tot Ion: 96 Resp: 107467

Ion Ratio Lower Upper

96 100

61 138.0 110.7 166.1

98 64.7 51.6 77.4

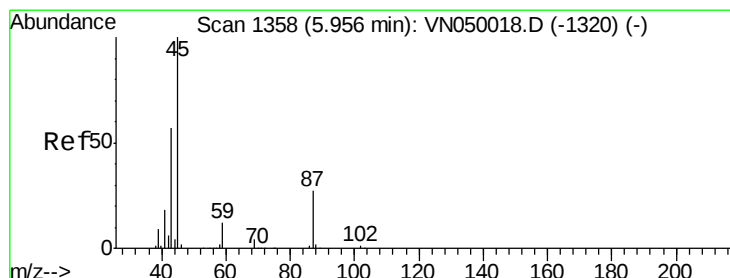
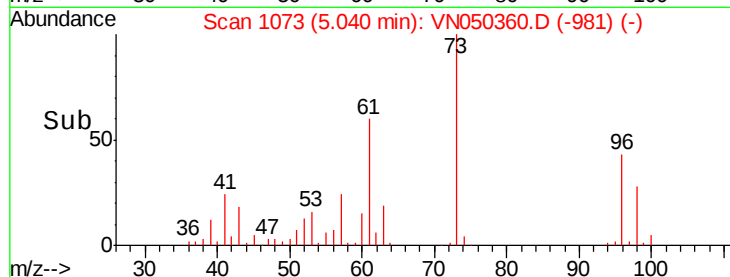
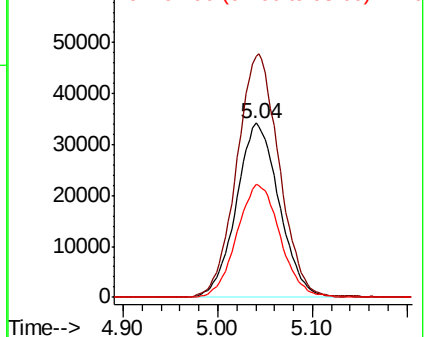


Abundance

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: 21.39 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Tgt Ion: 45 Resp: 382465

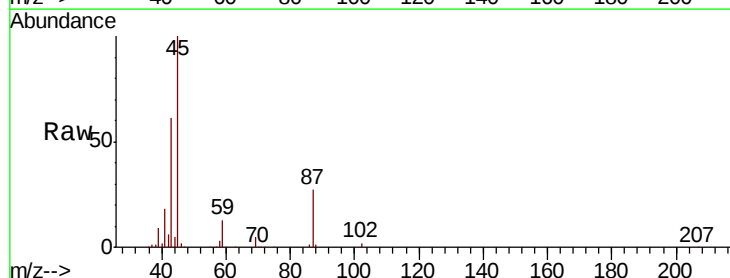
Ion Ratio Lower Upper

45 100

43 58.6 45.7 68.5

87 27.3 22.7 34.1

59 12.4 9.5 14.3



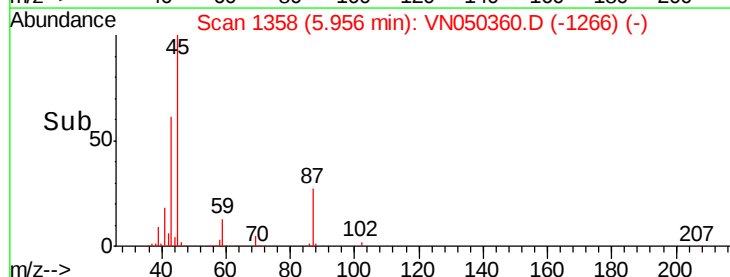
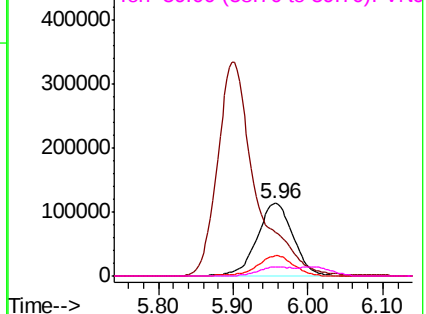
Abundance

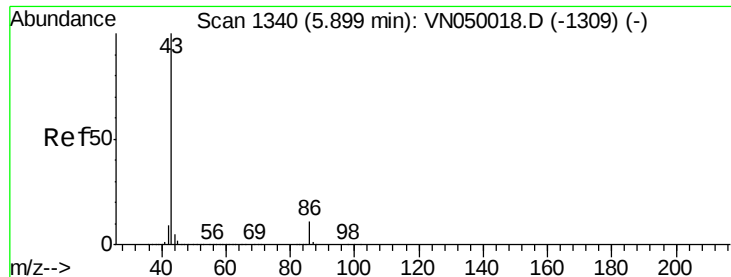
Ion 45.00 (44.70 to 45.70): VN0

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: 93.53 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

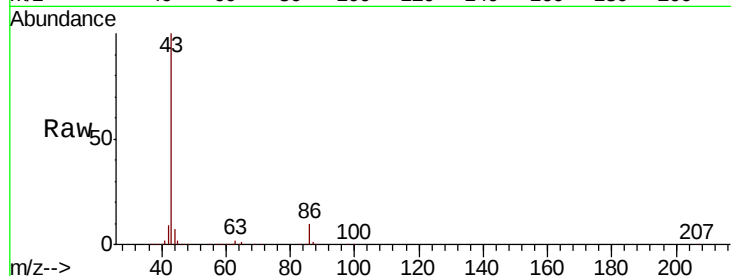
VN0804WBSD01

Tot Ion: 43 Resp: 1182123

Ion Ratio Lower Upper

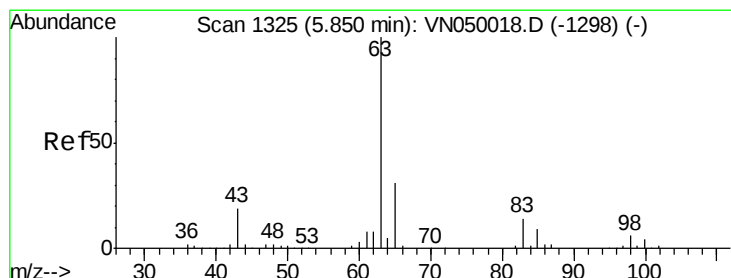
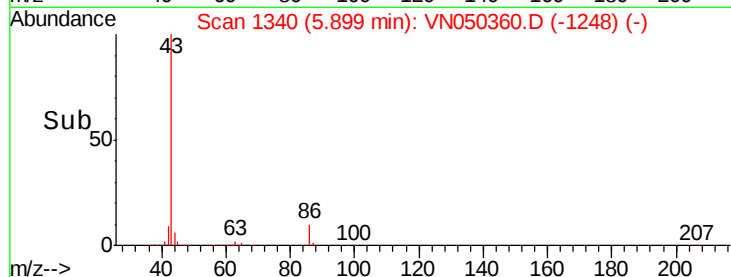
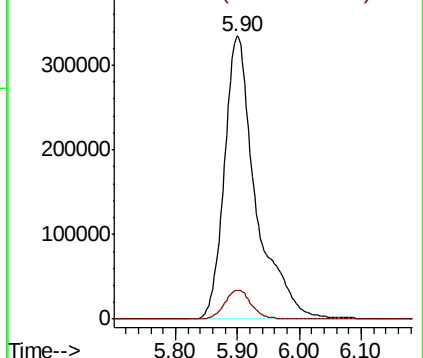
43 100

86 10.3 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.17 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

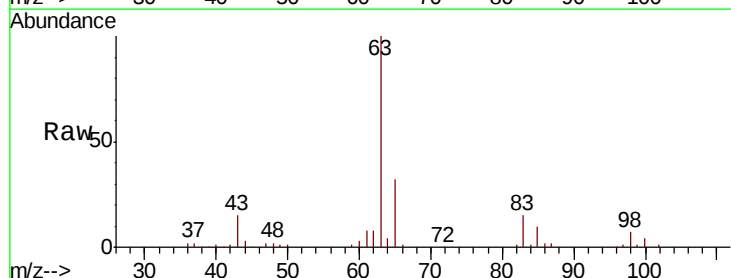
Tgt Ion: 63 Resp: 224154

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

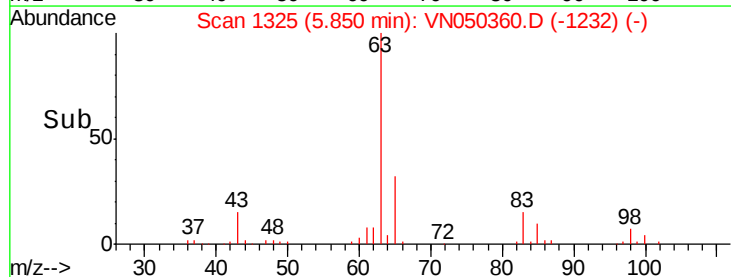
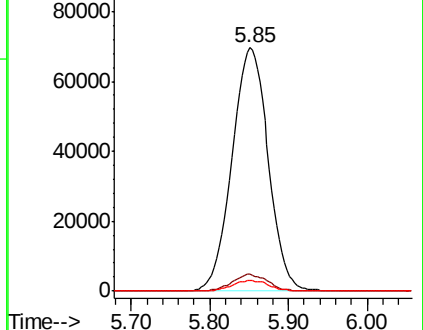
100 4.4 2.1 6.3

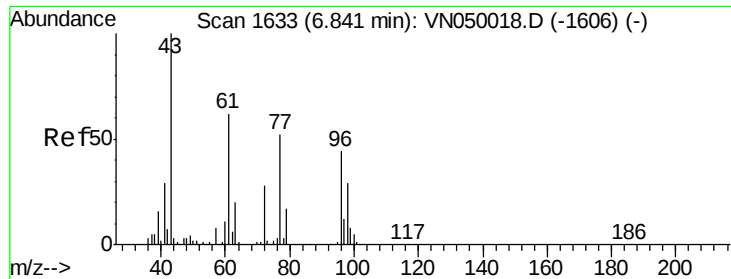


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 103.15 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

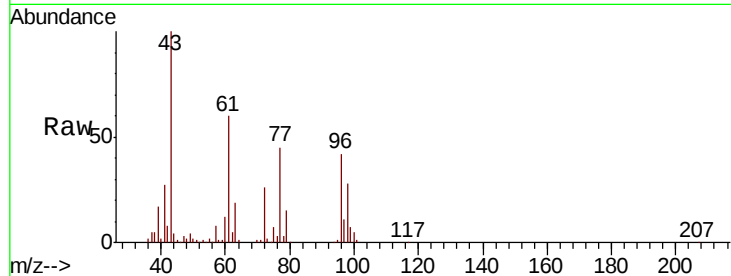
VN0804WBSD01

Tot Ion: 43 Resp: 277029

Ion Ratio Lower Upper

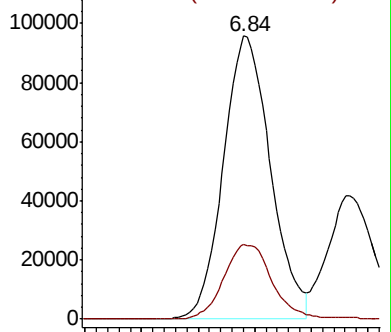
43 100

72 26.2 21.5 32.3

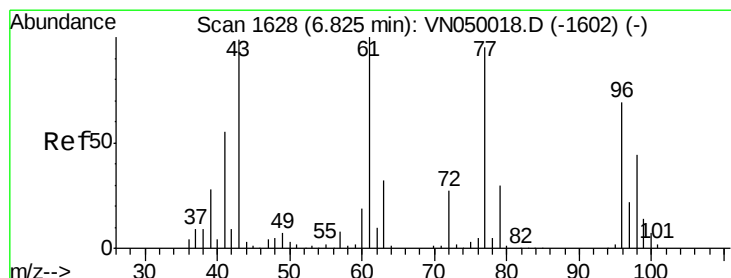
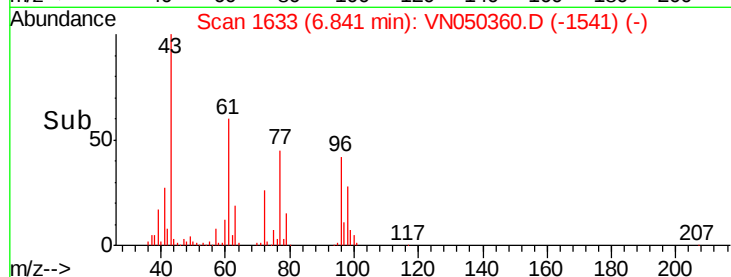


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 19.58 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050360.D

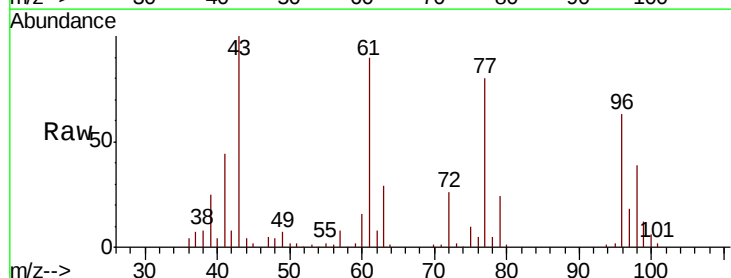
Acq: 4 Aug 2018 12:28

Tgt Ion: 77 Resp: 174238

Ion Ratio Lower Upper

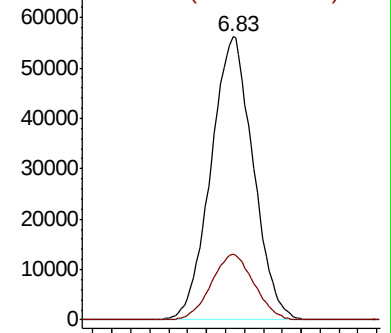
77 100

97 23.4 11.8 35.3

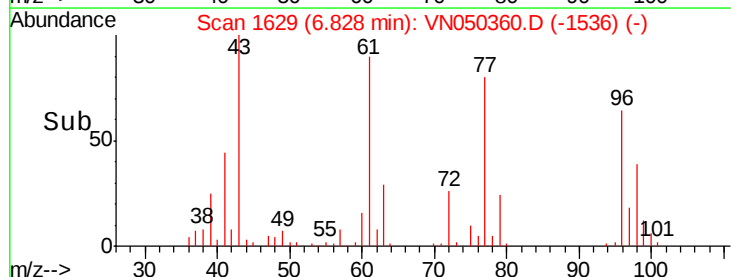


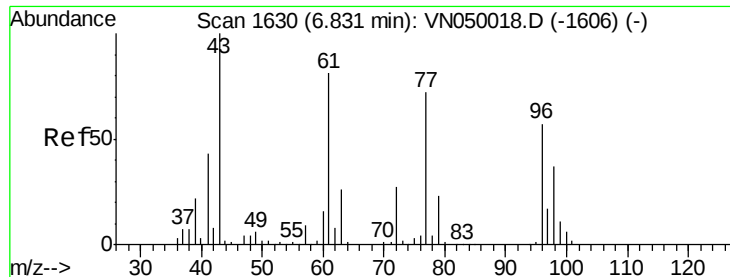
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 19.84 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

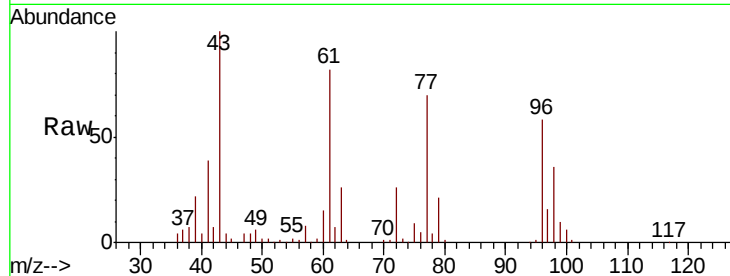
Tot Ion: 96 Resp: 131637

Ion Ratio Lower Upper

96 100

61 144.3 0.0 285.0

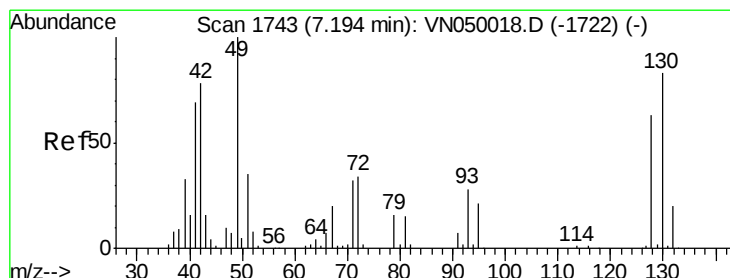
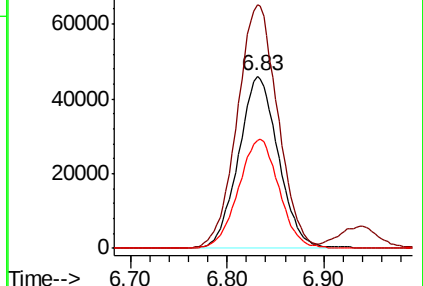
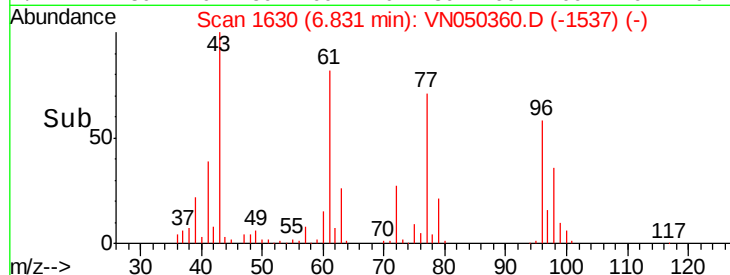
98 64.6 0.0 129.2



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: 22.49 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

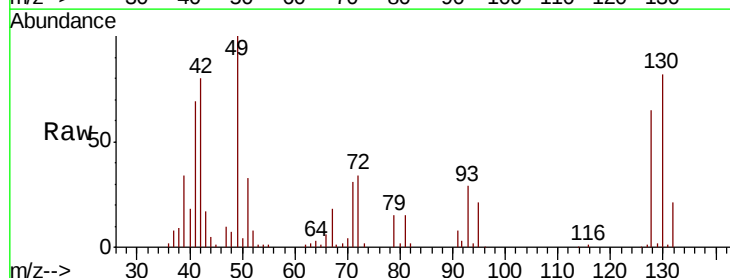
Tgt Ion: 49 Resp: 119953

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

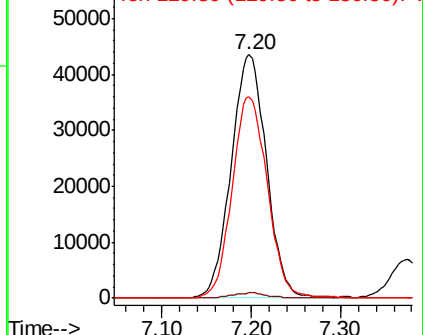
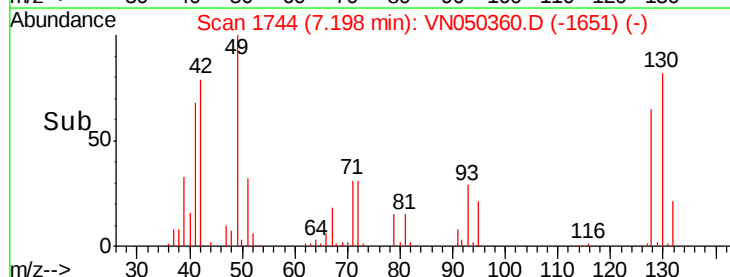
130 82.5 66.3 99.5

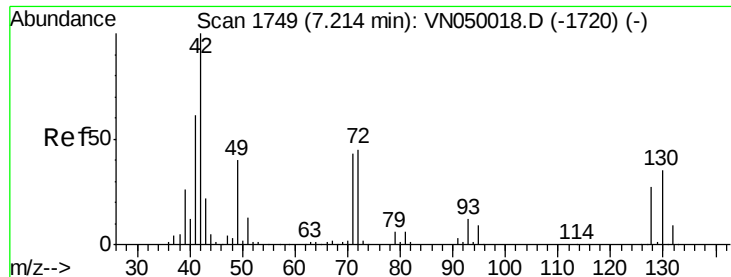


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 103.63 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampled :

VN0804WBSD01

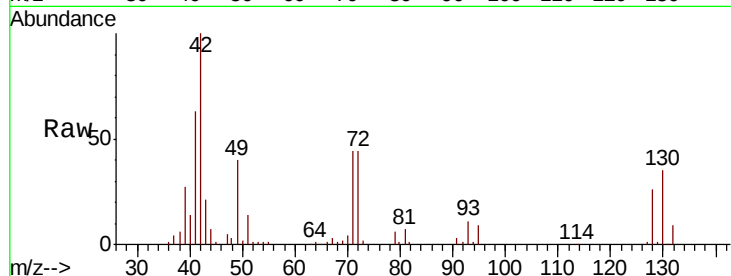
Tot Ion: 42 Resp: 179856

Ion Ratio Lower Upper

42 100

72 43.9 35.9 53.9

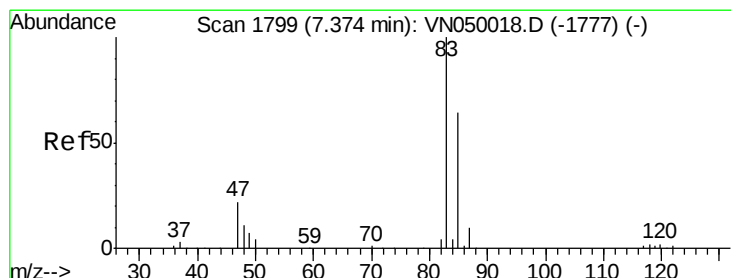
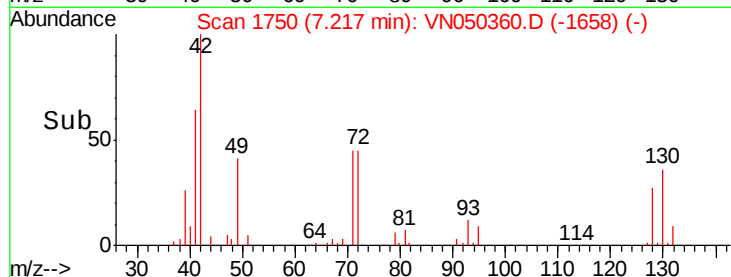
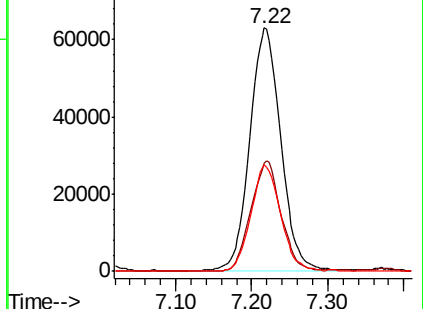
71 41.5 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.72 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050360.D

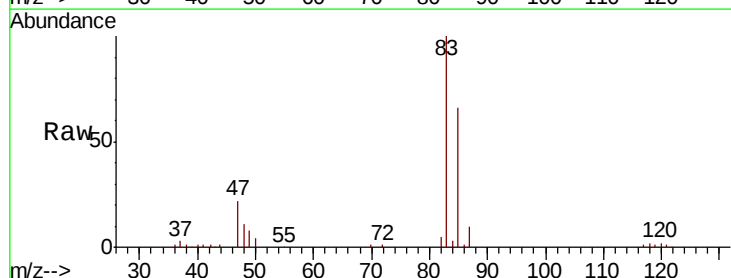
Acq: 4 Aug 2018 12:28

Tgt Ion: 83 Resp: 235285

Ion Ratio Lower Upper

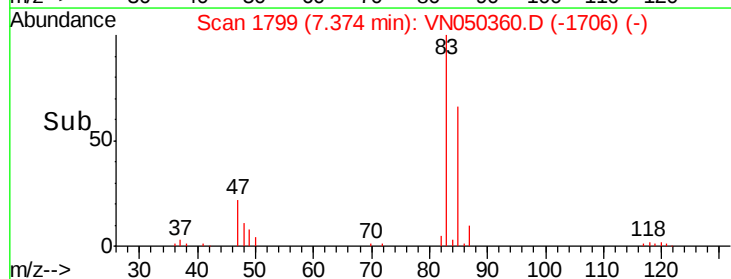
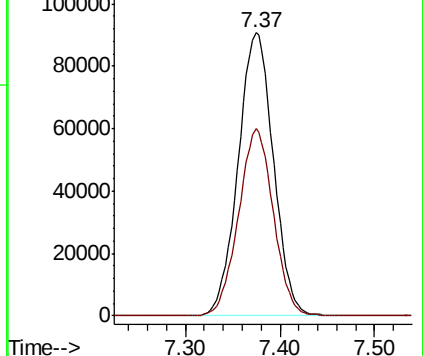
83 100

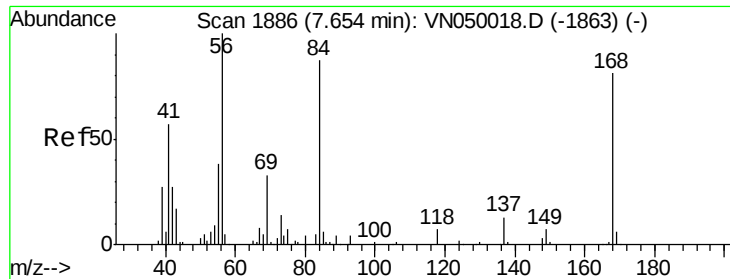
85 66.0 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 16.26 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

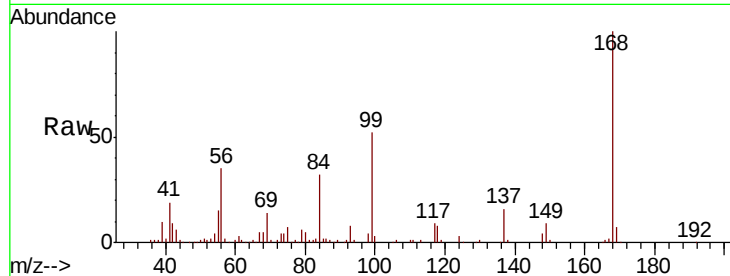
Tot Ion: 56 Resp: 158118

Ion Ratio Lower Upper

56 100

69 39.1 26.2 39.4

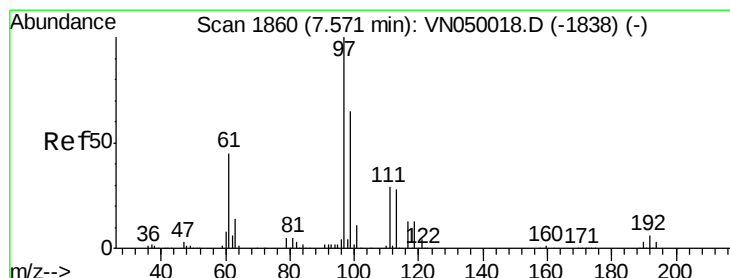
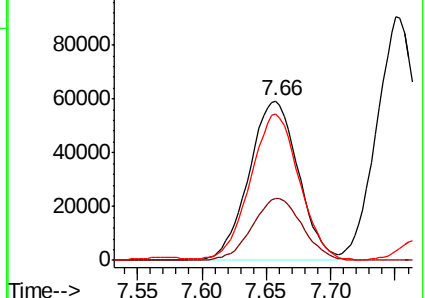
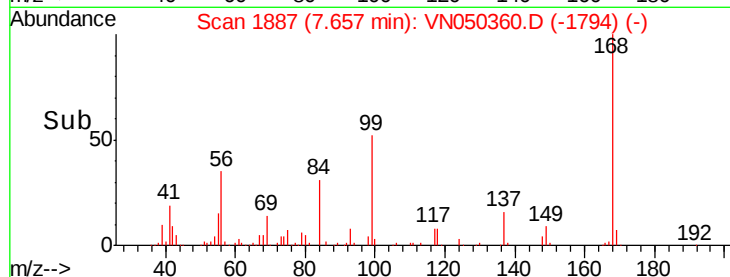
84 90.8 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.56 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

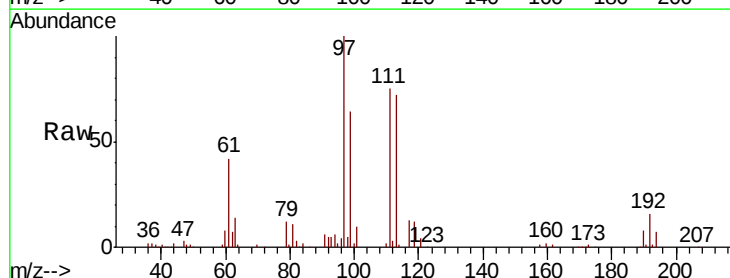
Tgt Ion: 97 Resp: 189482

Ion Ratio Lower Upper

97 100

99 63.2 51.4 77.0

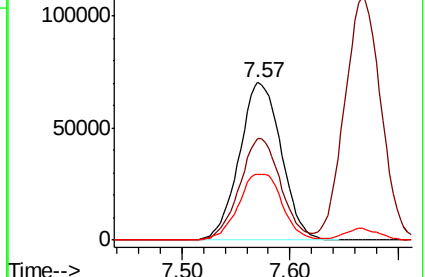
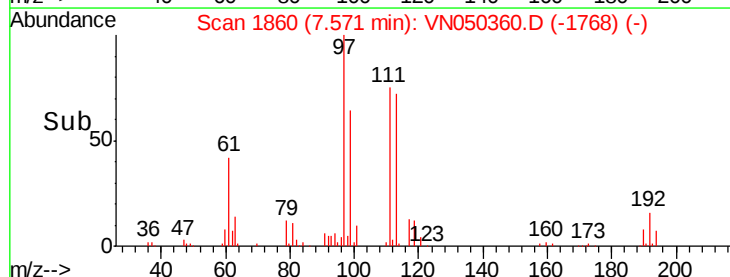
61 43.6 35.4 53.0

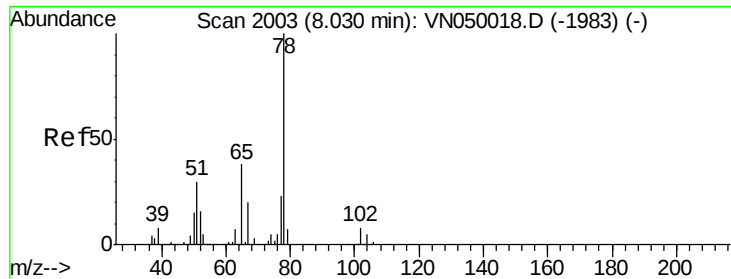


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

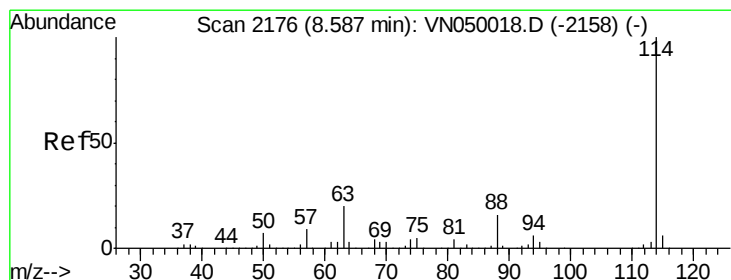
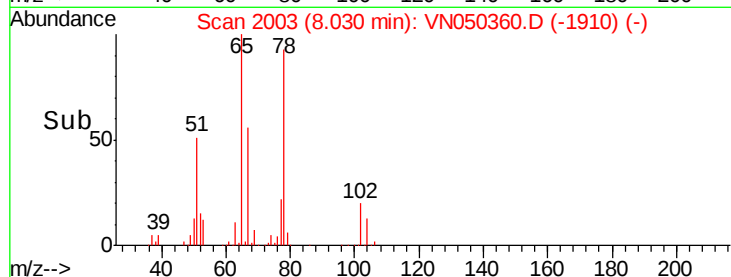
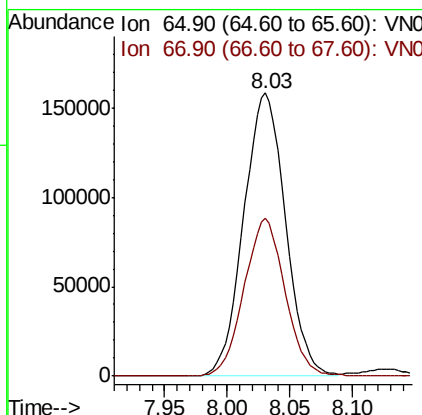
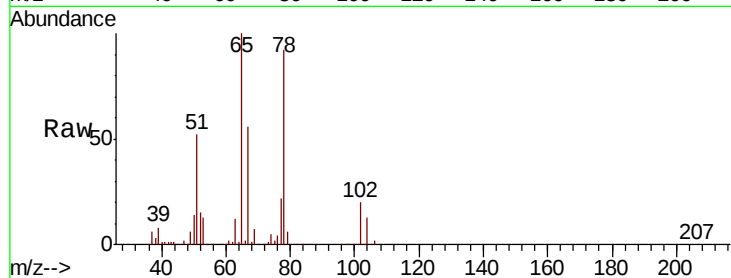




#33
 1,2-Dichloroethane-d4
 Concen: 52.13 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

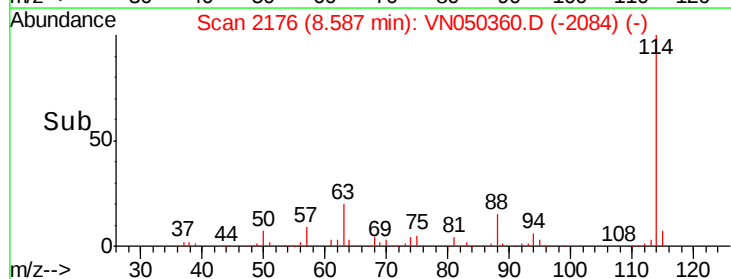
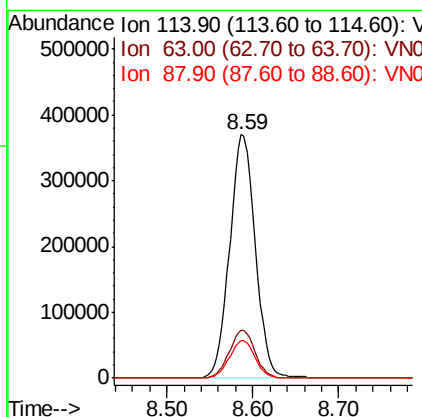
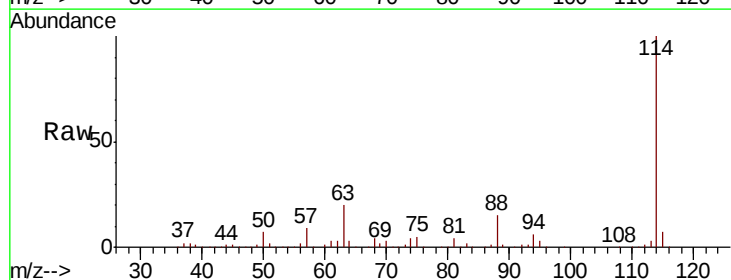
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

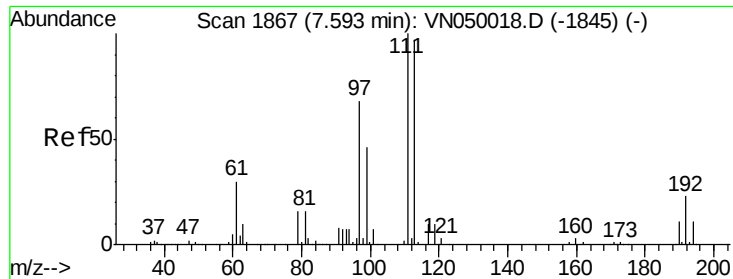
Tot Ion: 65 Resp: 367073
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion: 114 Resp: 765373
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.5 0.0 31.2

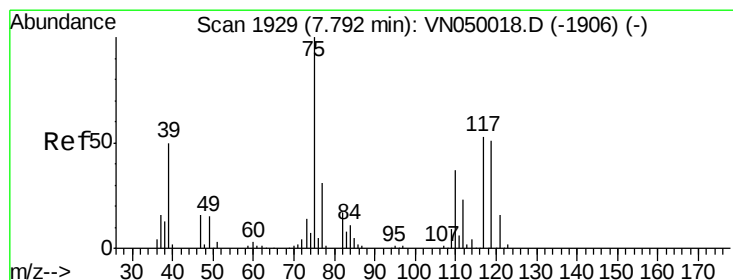
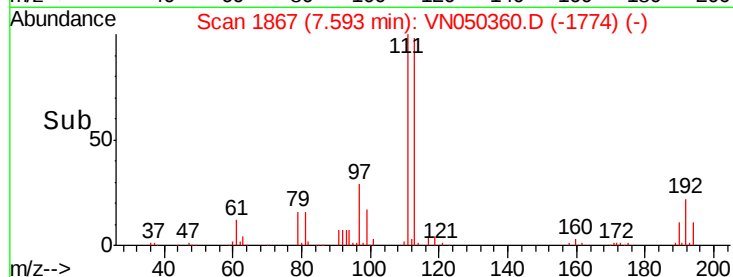
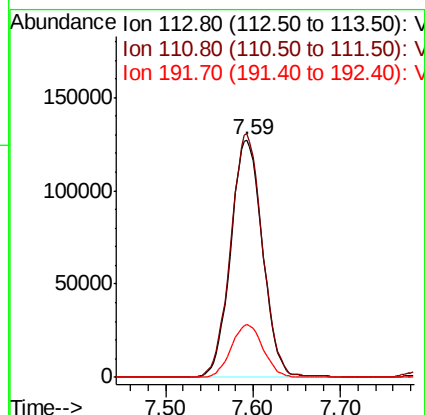
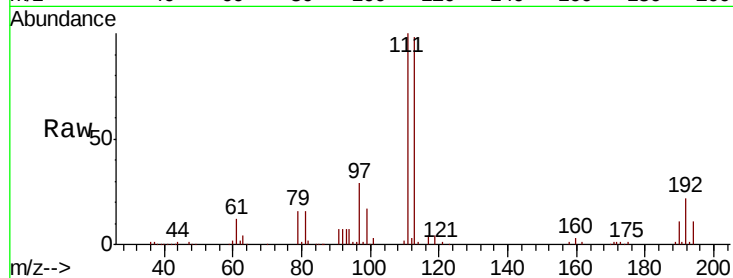




#35
 Dibromofluoromethane
 Concen: 51.40 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

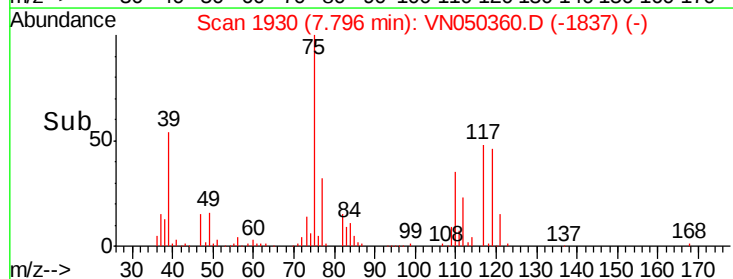
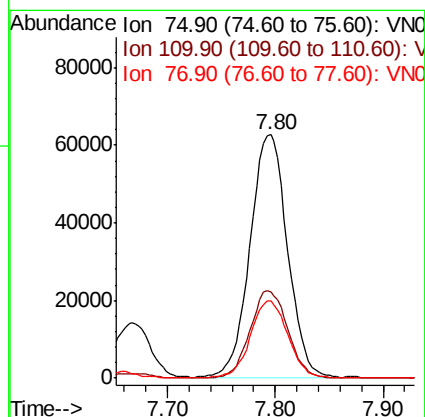
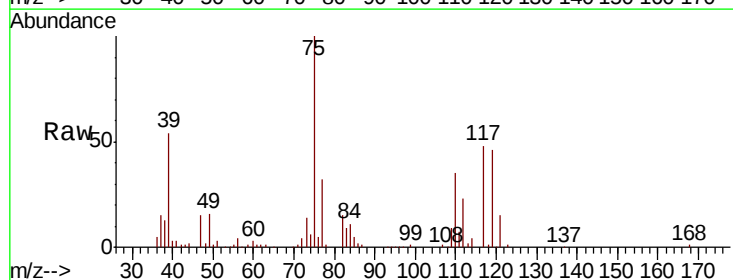
Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBSD01

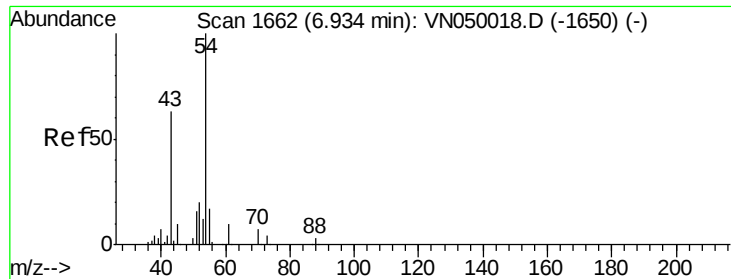
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.7	121.1
192	22.2	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 17.46 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.4	55.2
77	31.9	25.3	37.9

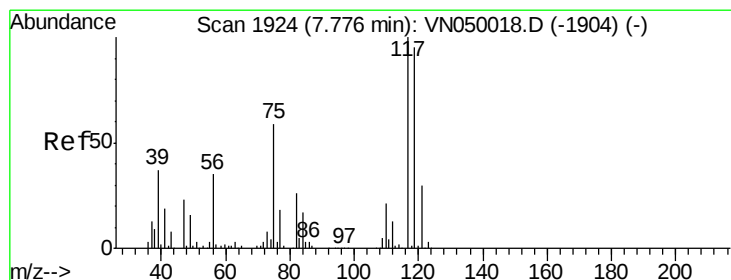
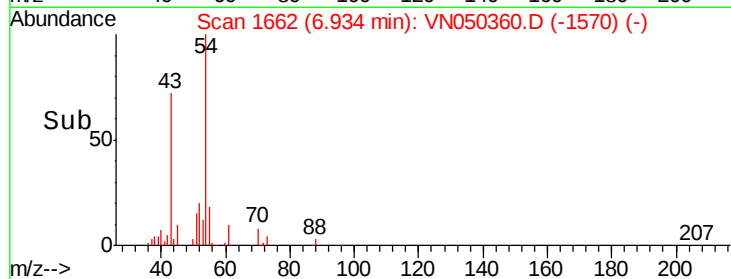
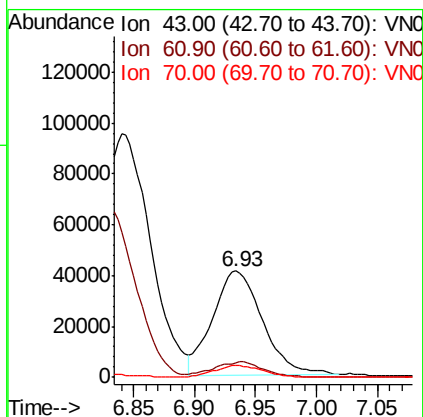
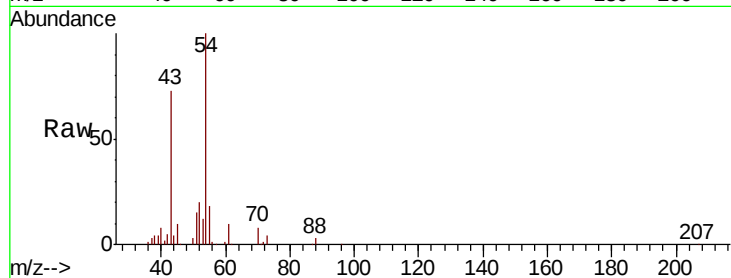




#37
Ethyl Acetate
Concen: 19.40 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

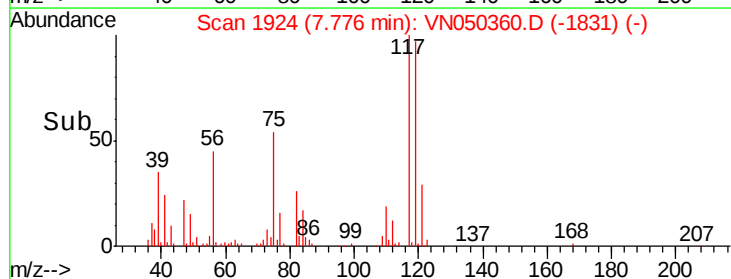
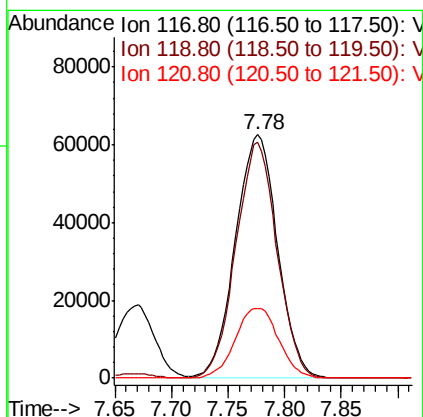
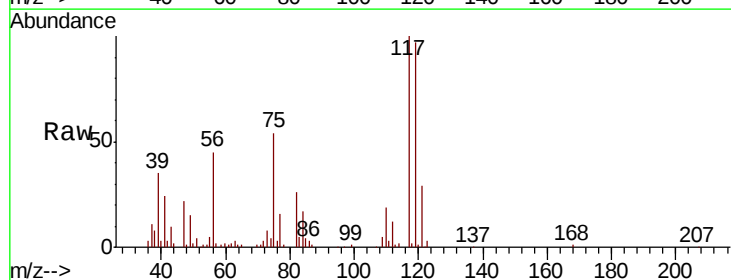
Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

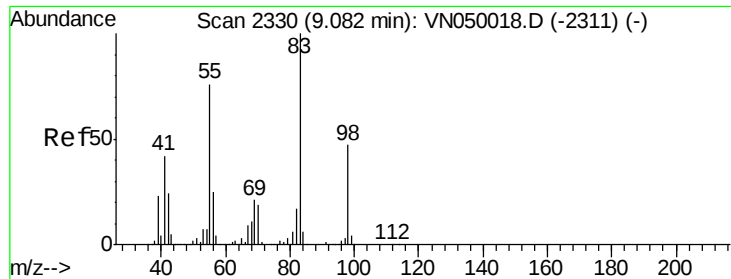
Tot Ion: 43 Resp: 116663
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.8
70 11.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 17.72 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion: 117 Resp: 162160
Ion Ratio Lower Upper
117 100
119 96.8 77.4 116.0
121 28.8 23.9 35.9

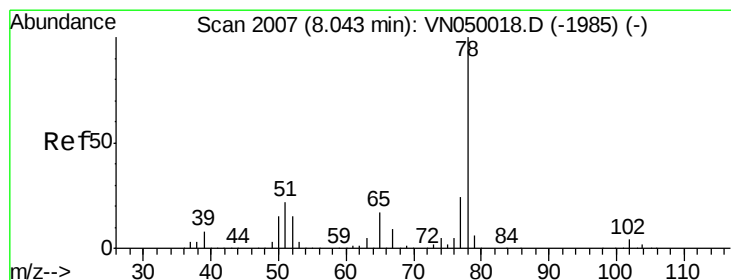
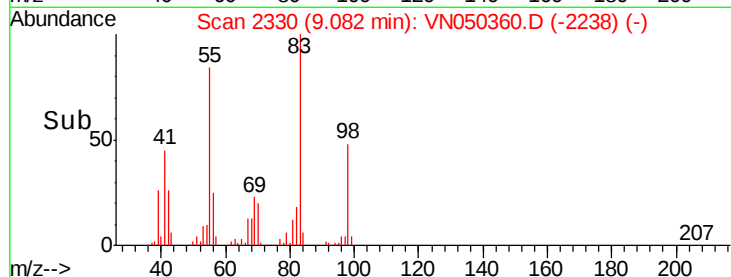
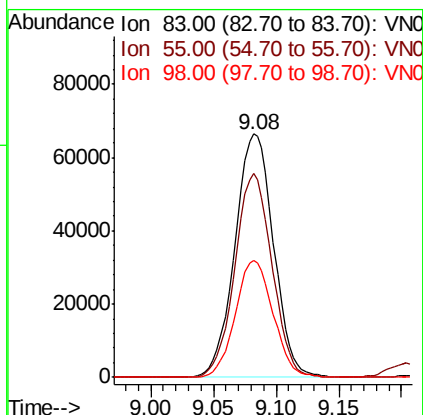
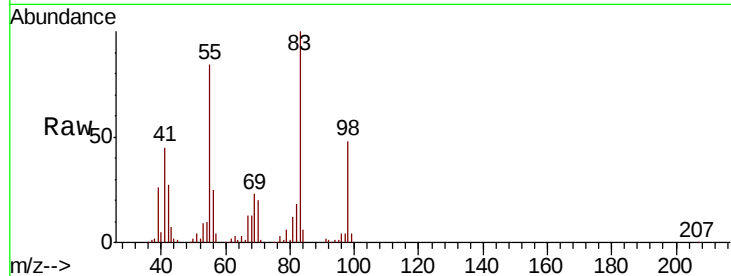




#39
Methvlcvclohexane
Concen: 16.04 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

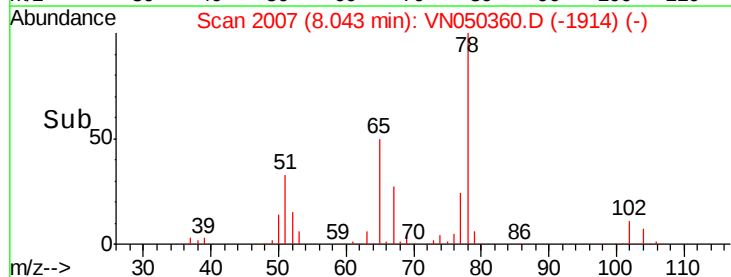
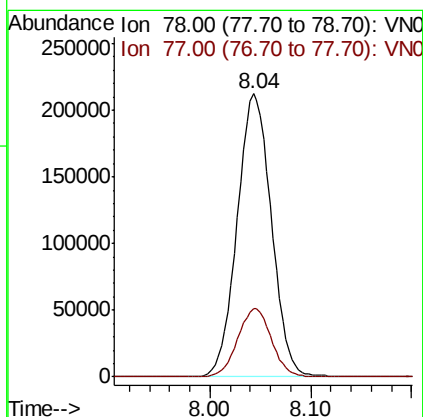
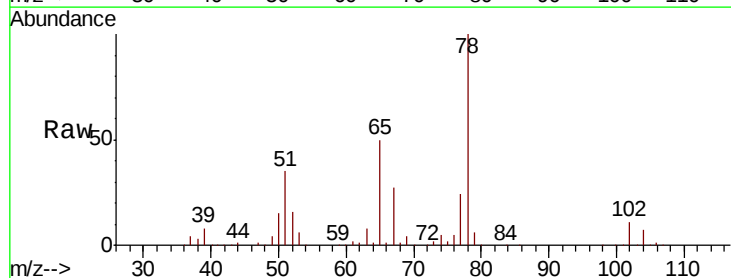
Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

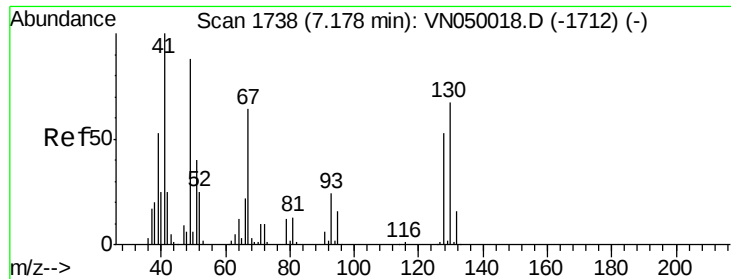
Tot Ion: 83 Resp: 142292
Ion Ratio Lower Upper
83 100
55 83.7 61.8 92.8
98 48.2 36.5 54.7



#40
Benzene
Concen: 19.01 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion: 78 Resp: 498764
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1

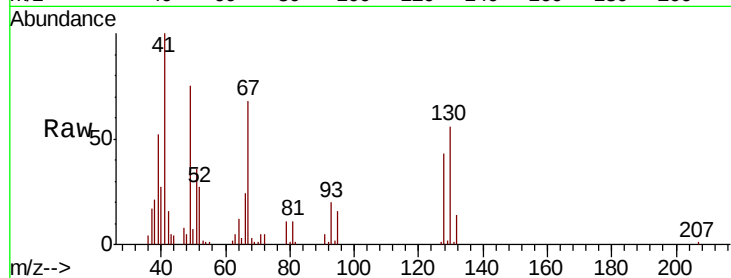




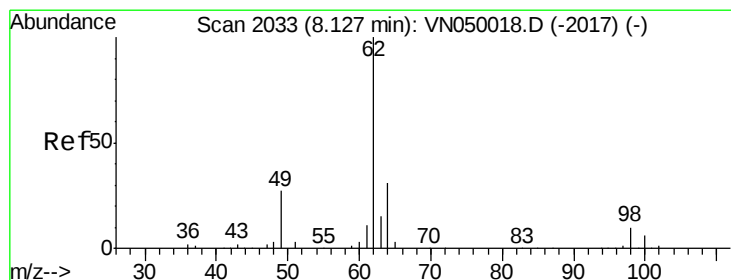
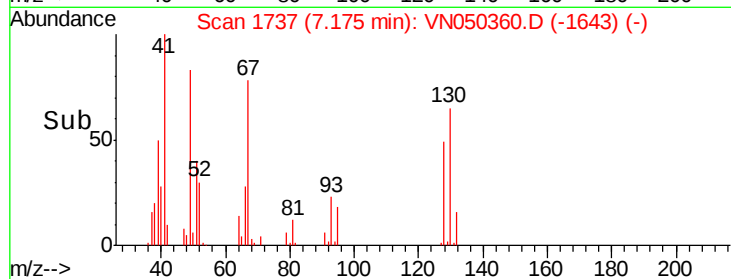
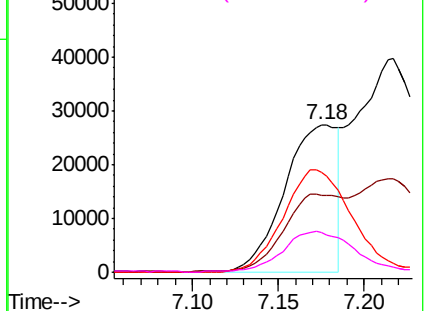
#41
Methacrylonitrile
Concen: 20.53 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

Tot Ion: 41 Resp: 58919
Ion Ratio Lower Upper
41 100
39 57.5 55.8 83.6
67 90.6 84.3 126.5
52 38.5 34.2 51.2

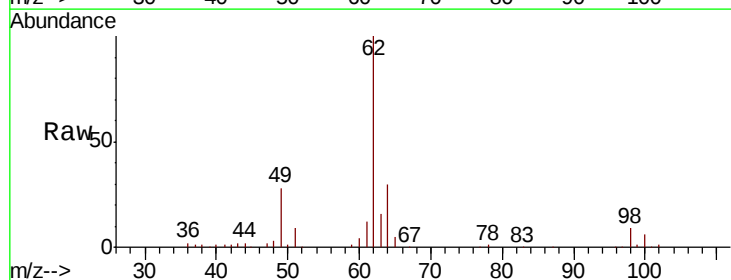


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

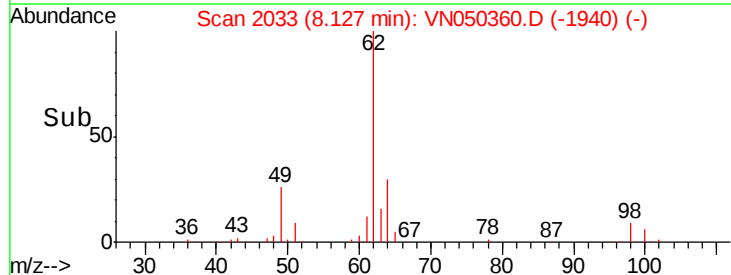
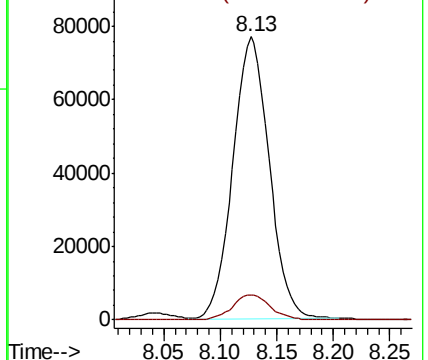


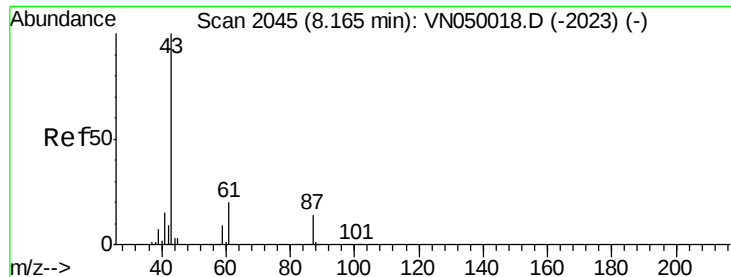
#42
1,2-Dichloroethane
Concen: 19.65 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion: 62 Resp: 172025
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.21 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

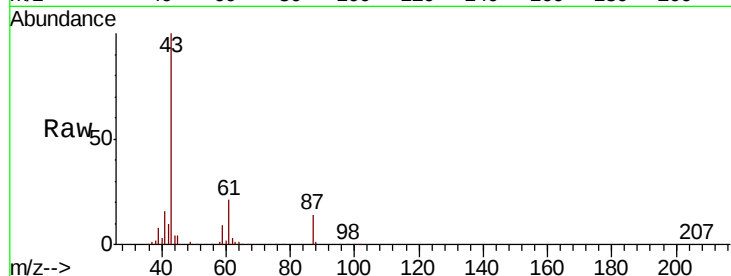
Tot Ion: 43 Resp: 225581

Ion Ratio Lower Upper

43 100

61 18.3 15.8 23.6

87 12.5 10.3 15.5

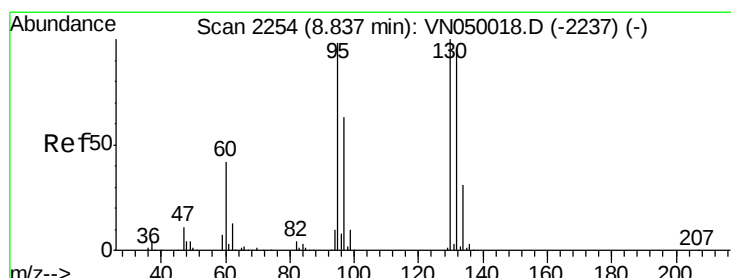
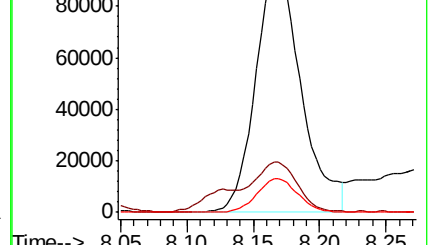
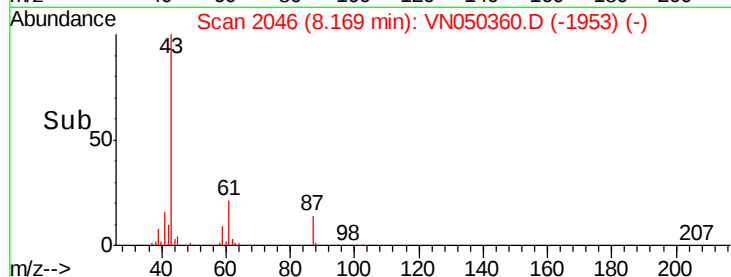


Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)

8.17



#44

Trichloroethene

Concen: 17.87 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050360.D

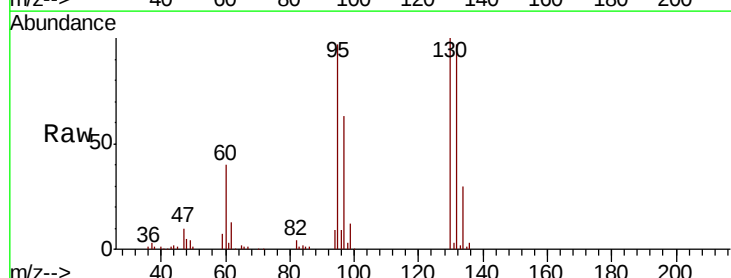
Acq: 4 Aug 2018 12:28

Tgt Ion:130 Resp: 126002

Ion Ratio Lower Upper

130 100

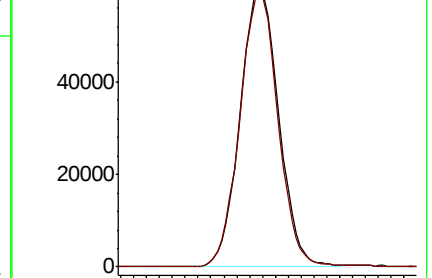
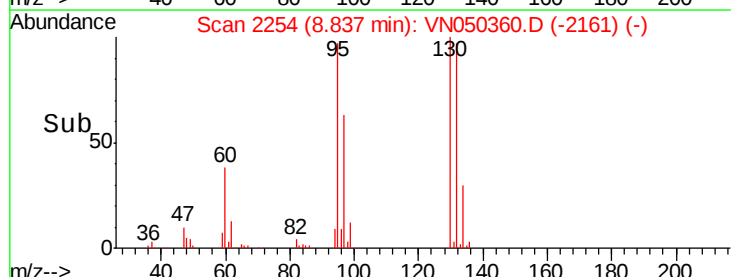
95 97.0 0.0 194.6

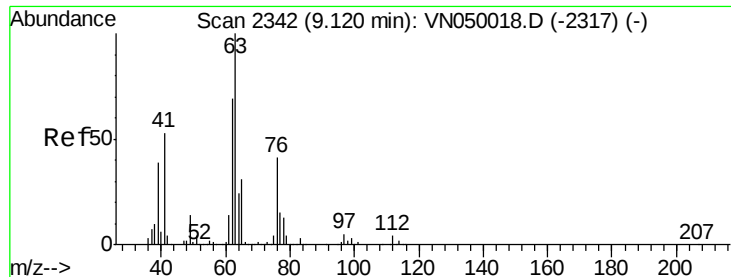


Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)

8.84





#45

1,2-Dichloropropane

Concen: 19.95 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

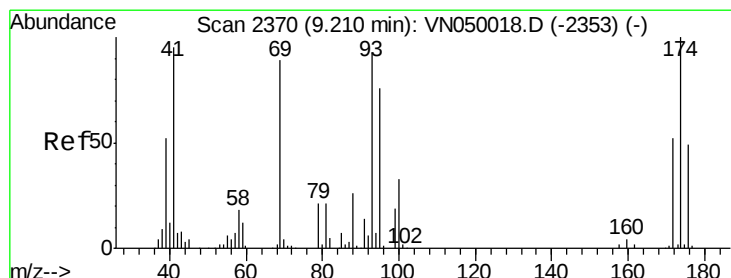
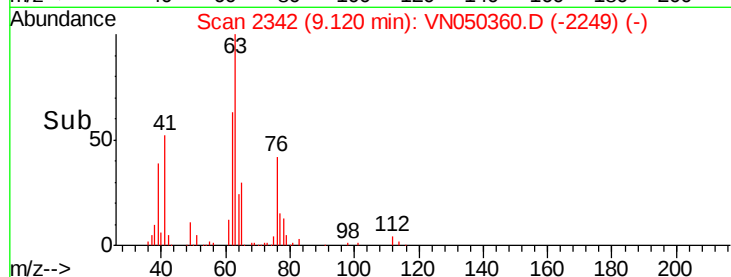
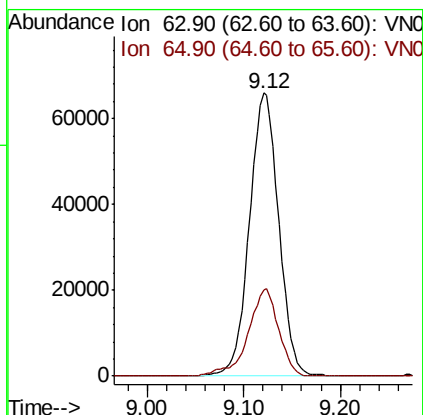
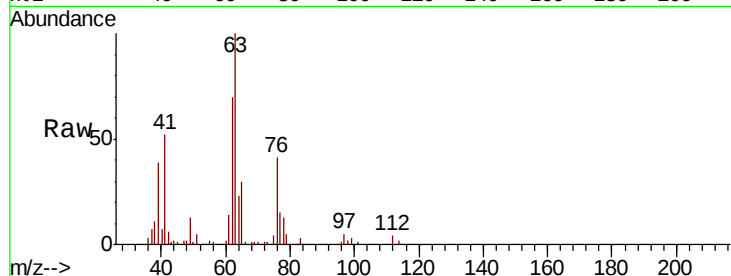
VN0804WBSD01

Tot Ion: 63 Resp: 138627

Ion Ratio Lower Upper

63 100

65 30.4 25.5 38.3



#46

Dibromomethane

Concen: 20.18 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

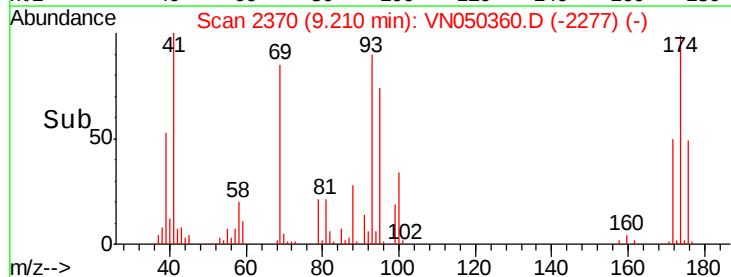
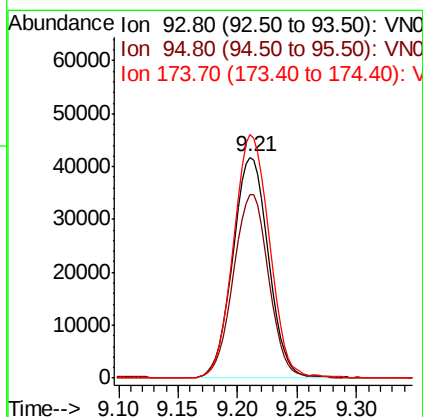
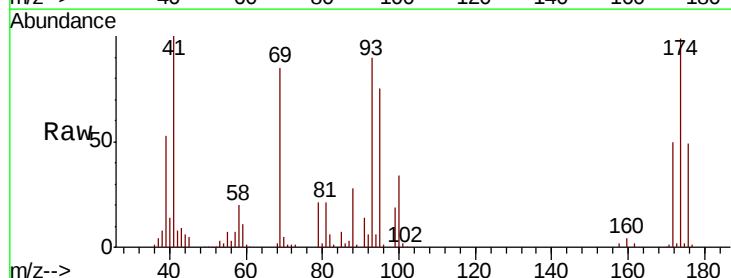
Tgt Ion: 93 Resp: 87086

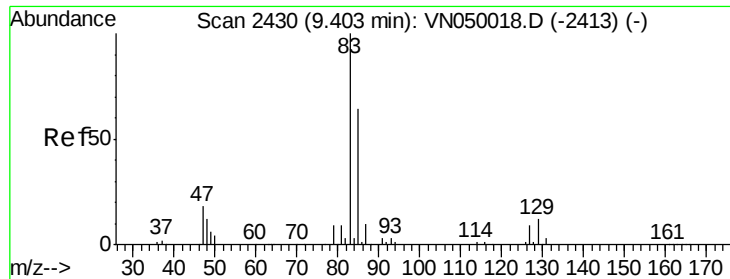
Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

174 111.0 87.1 130.7





#47

Bromodichloromethane

Concen: 19.74 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

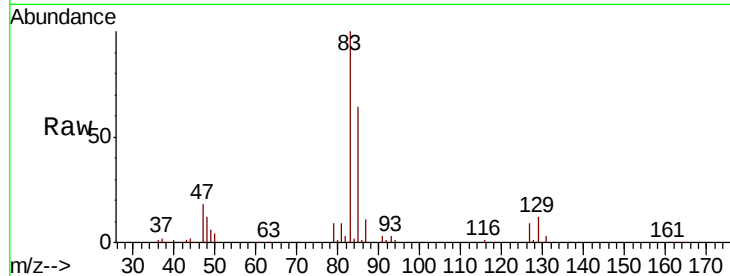
Tot Ion: 83 Resp: 179776

Ion Ratio Lower Upper

83 100

85 64.2 51.1 76.7

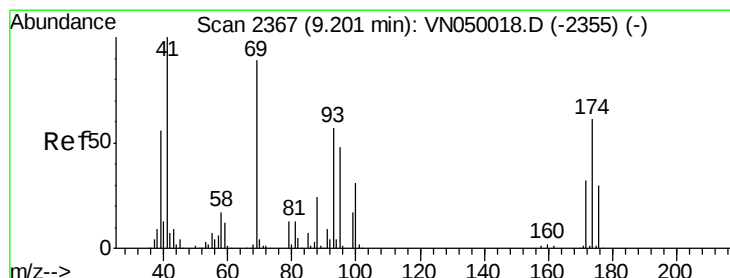
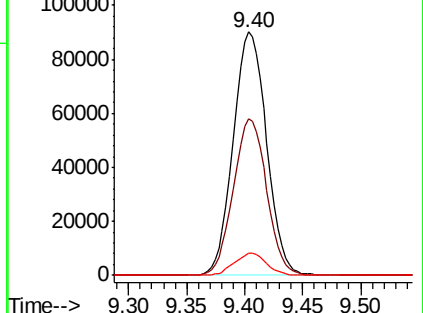
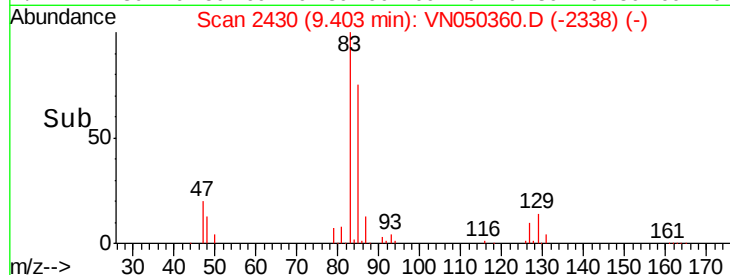
127 8.9 7.0 10.4



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: 20.42 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

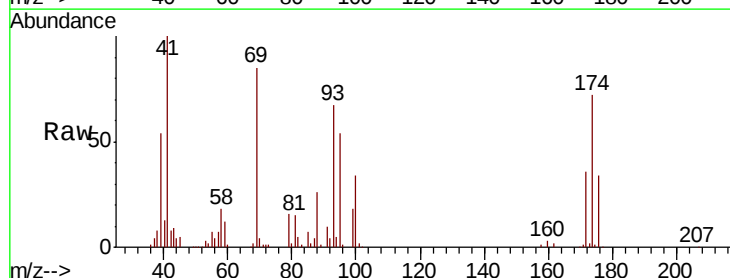
Tgt Ion: 41 Resp: 105732

Ion Ratio Lower Upper

41 100

69 87.2 70.6 105.8

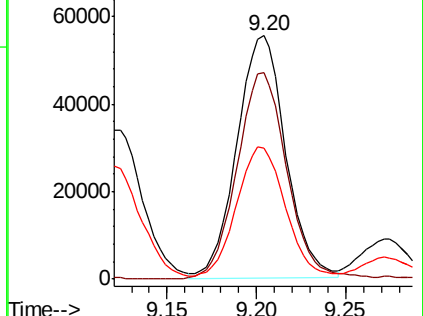
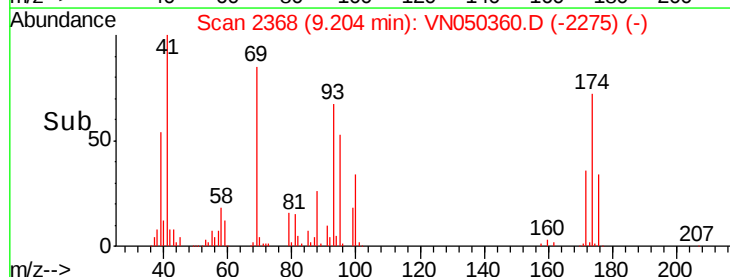
39 54.7 43.9 65.9

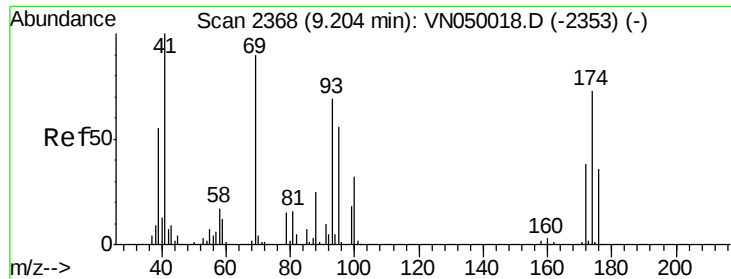


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 441.32 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleID :

VN0804WBSD01

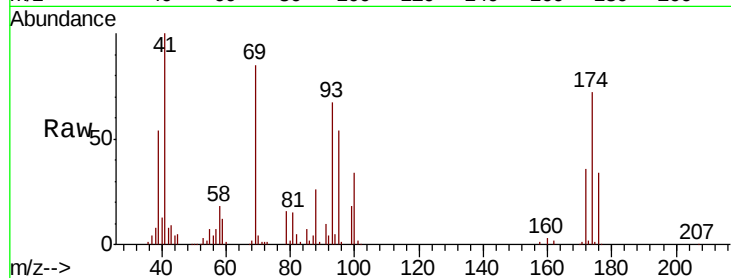
Tot Ion: 88 Resp: 31097

Ion Ratio Lower Upper

88 100

43 31.1 26.9 40.3

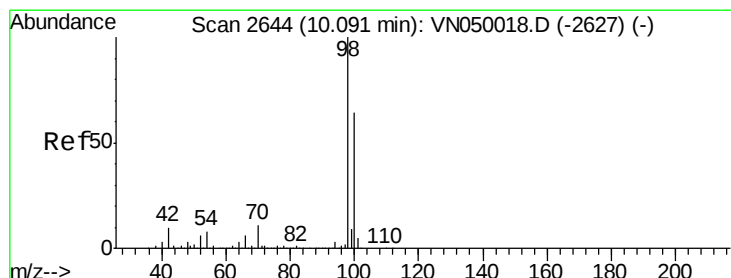
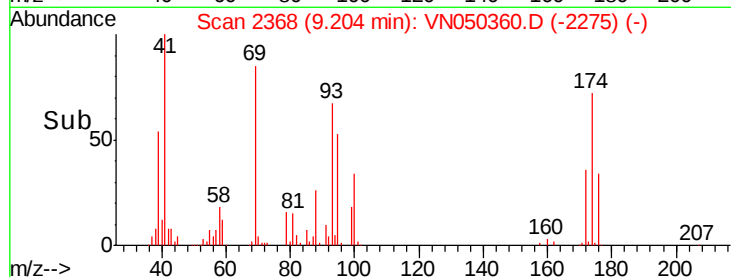
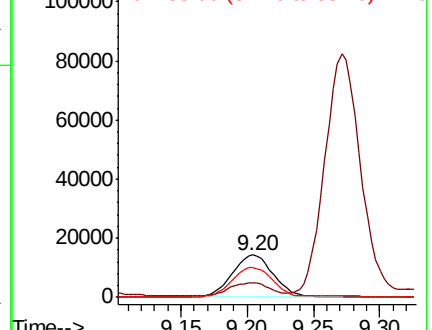
58 70.1 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.27 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050360.D

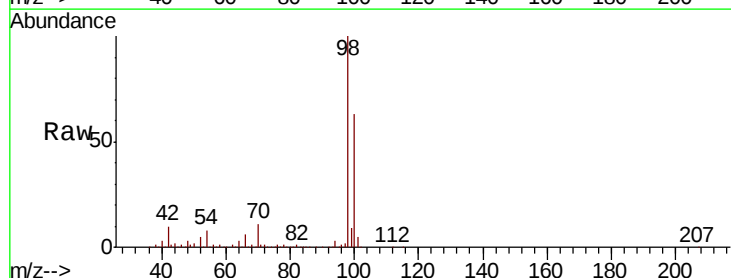
Acq: 4 Aug 2018 12:28

Tgt Ion: 98 Resp: 1154814

Ion Ratio Lower Upper

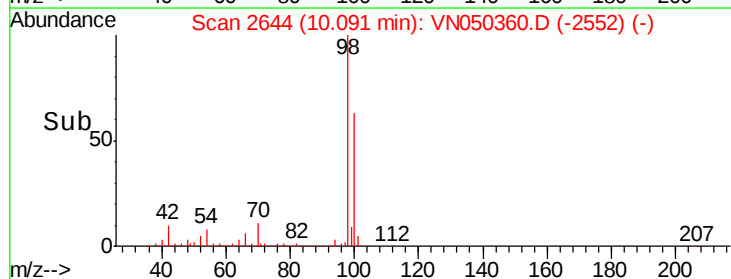
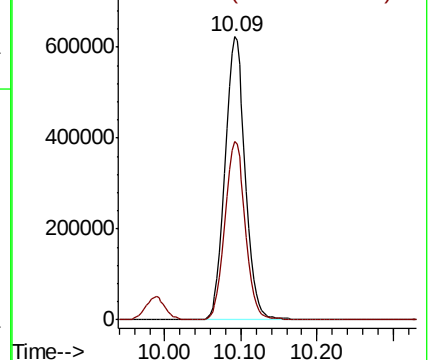
98 100

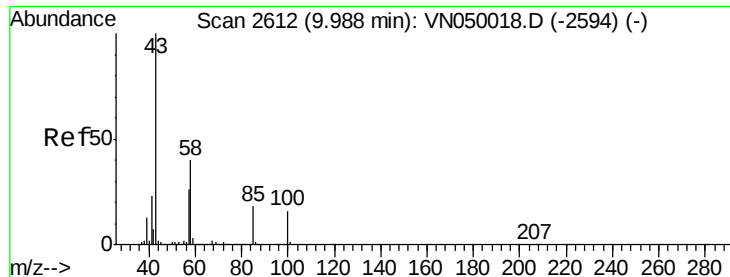
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

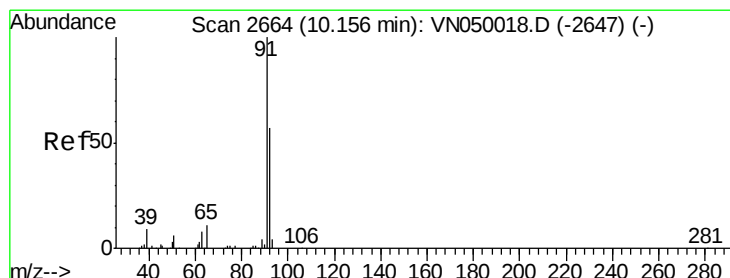
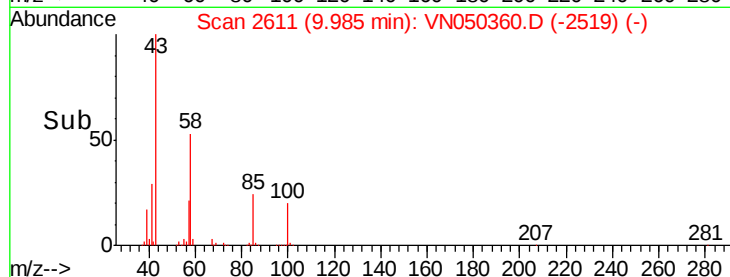
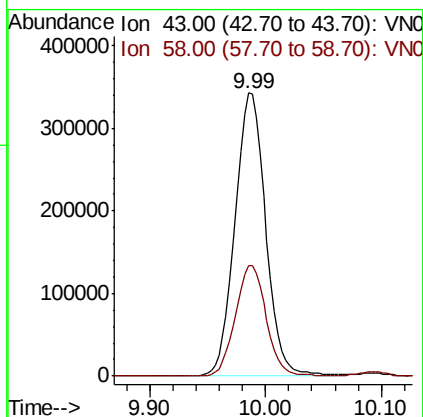
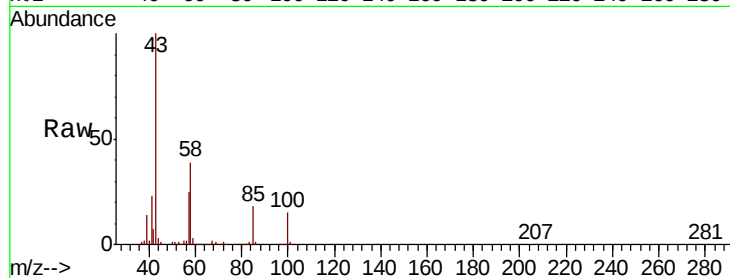




#51
 4-Methyl-2-Pentanone
 Concen: 105.88 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

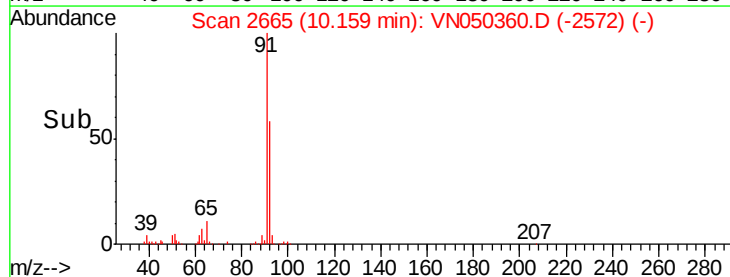
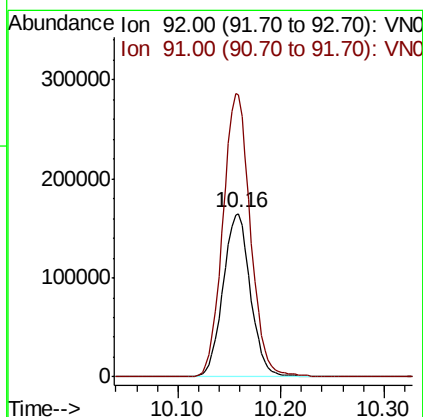
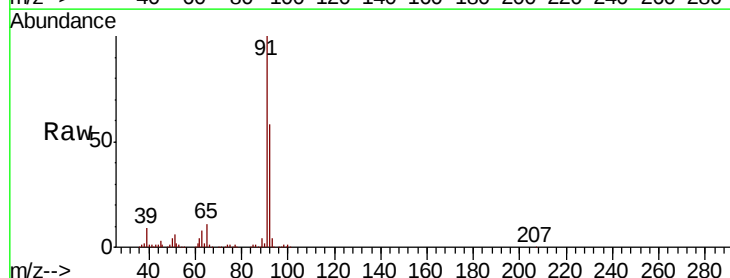
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

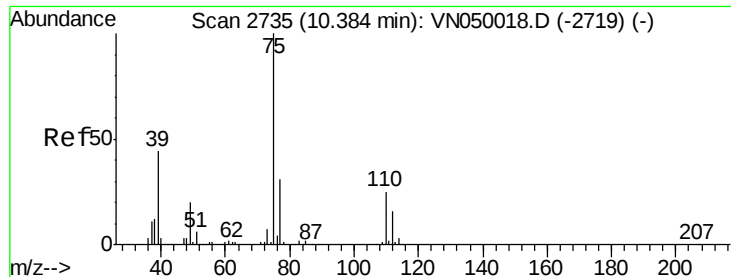
Tot Ion: 43 Resp: 625778
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.9 47.9



#52
 Toluene
 Concen: 19.71 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion: 92 Resp: 305315
 Ion Ratio Lower Upper
 92 100
 91 174.7 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 20.08 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampled :

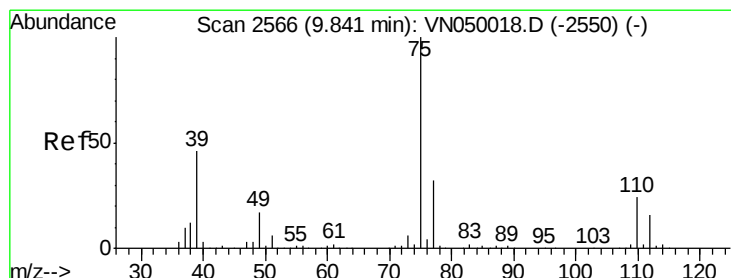
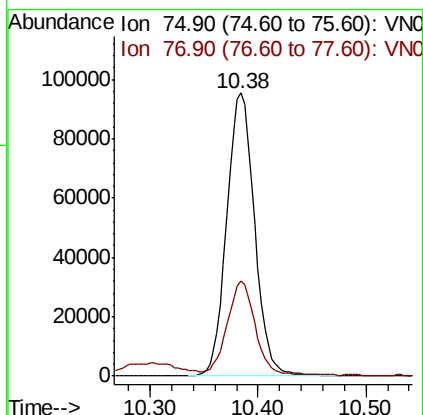
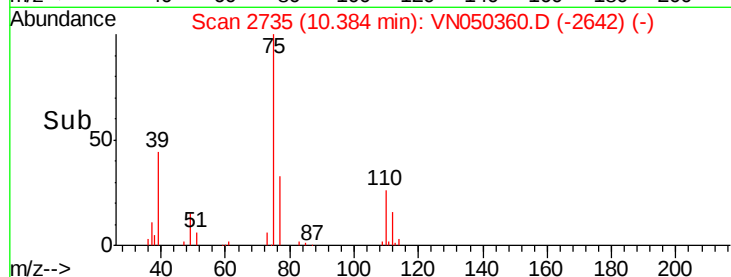
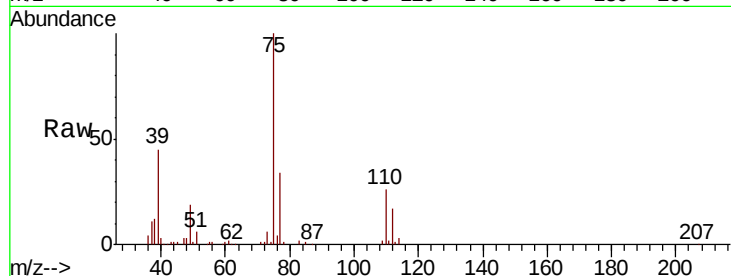
VN0804WBSD01

Tot Ion: 75 Resp: 172617

Ion Ratio Lower Upper

75 100

77 33.3 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.12 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

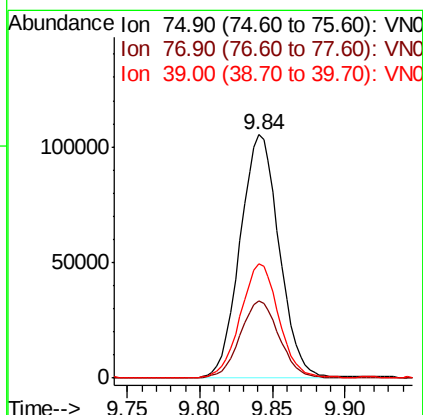
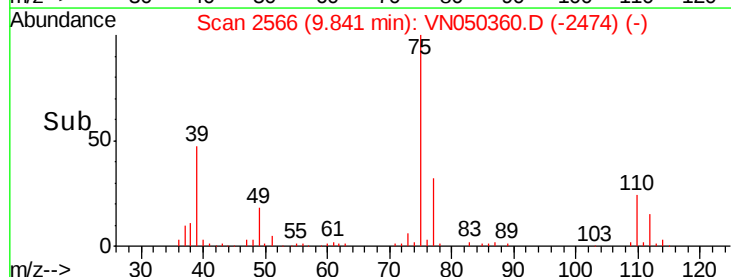
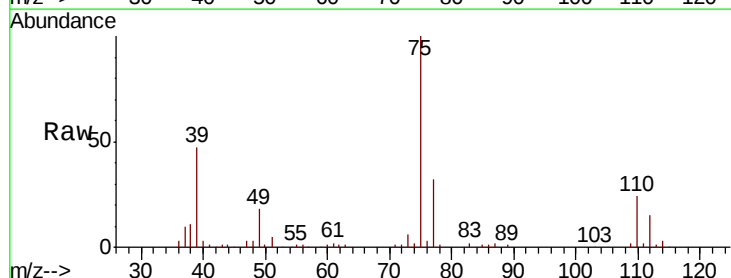
Tgt Ion: 75 Resp: 197590

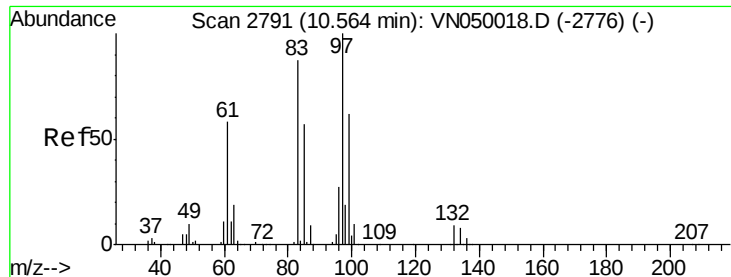
Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

39 46.6 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 20.72 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

Tot Ion: 97 Resp: 127306

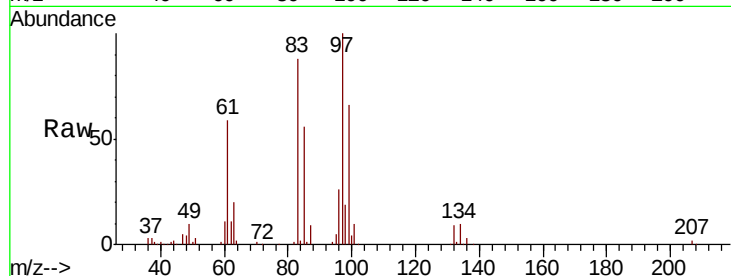
Ion Ratio Lower Upper

97 100

83 87.6 69.2 103.8

85 56.3 44.0 66.0

99 65.8 49.9 74.9

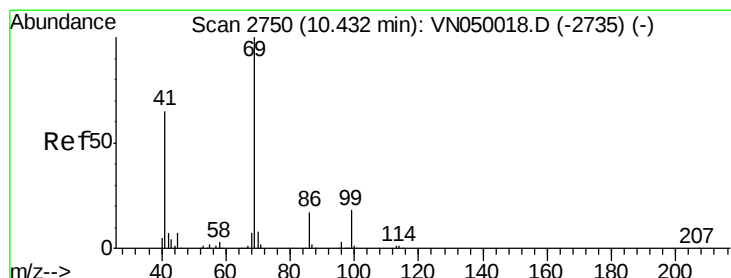
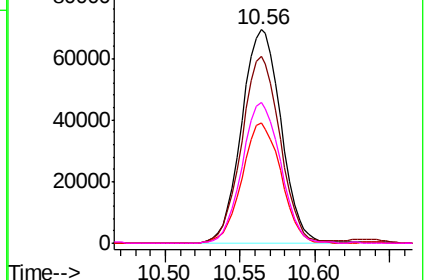
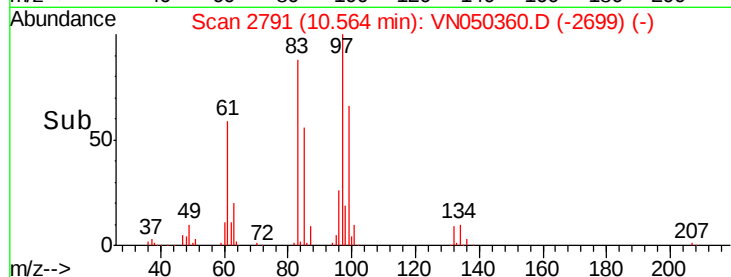


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.59 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

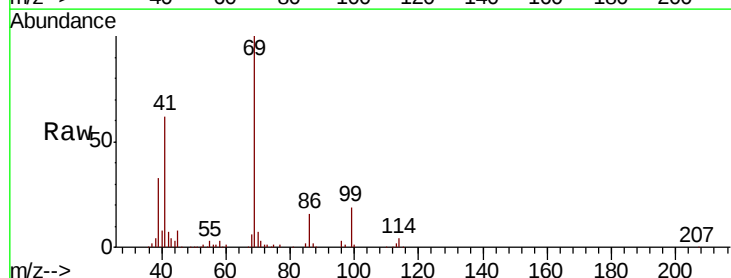
Tgt Ion: 69 Resp: 152311

Ion Ratio Lower Upper

69 100

41 62.4 51.0 76.4

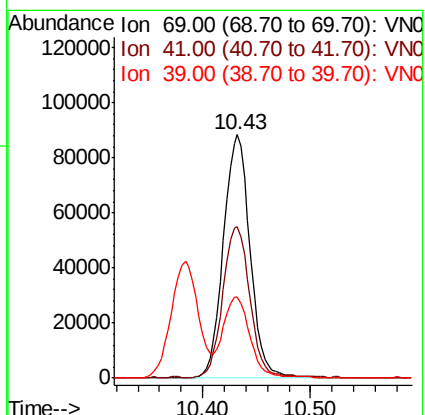
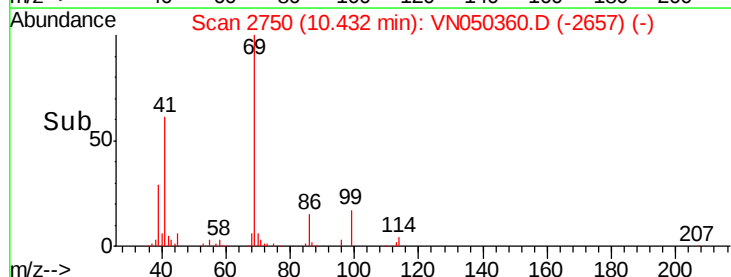
39 33.3 26.6 40.0

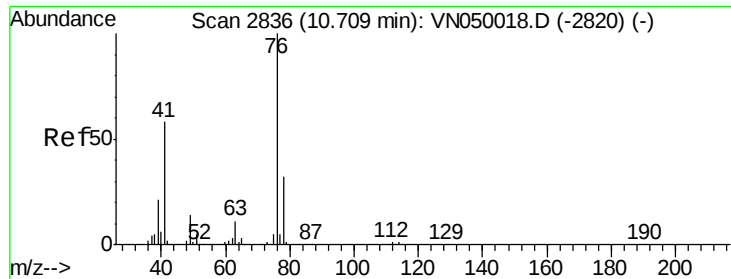


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

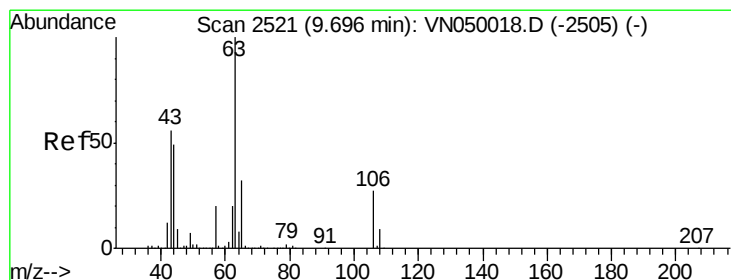
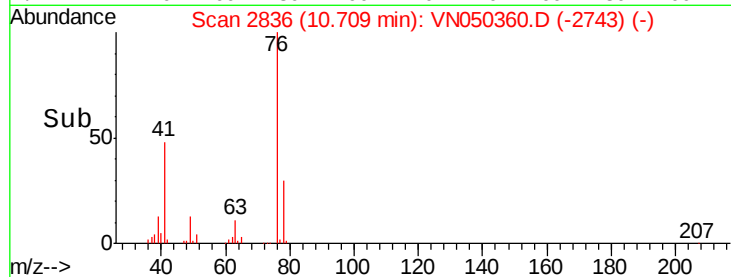
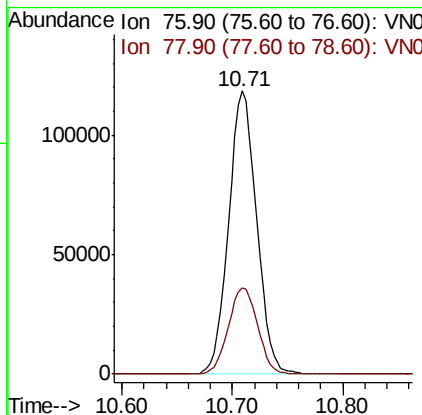
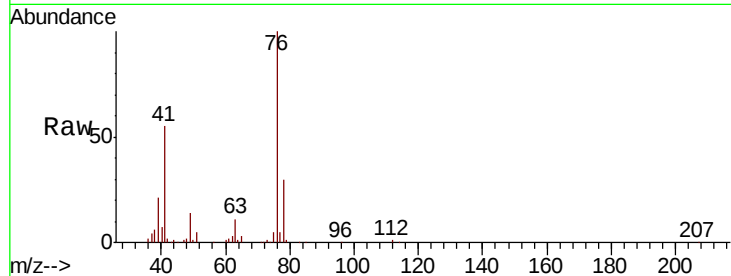




#57
 1,3-Dichloropropane
 Concen: 20.89 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

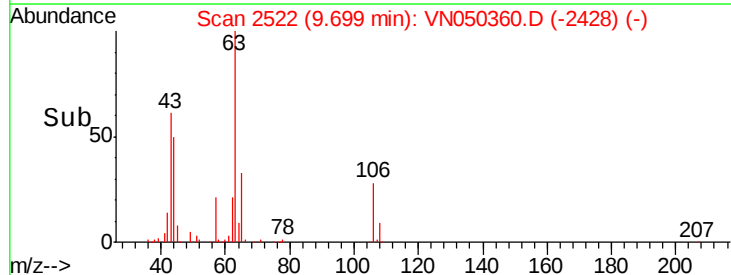
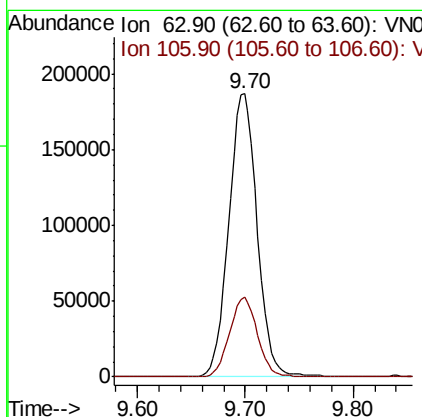
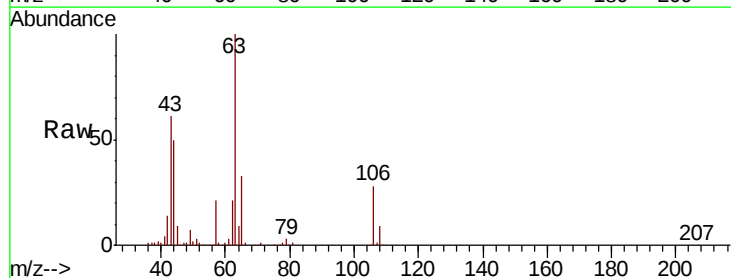
Instrument :
 MSVOA_N
 ClientSampled :
 VN0804WBSD01

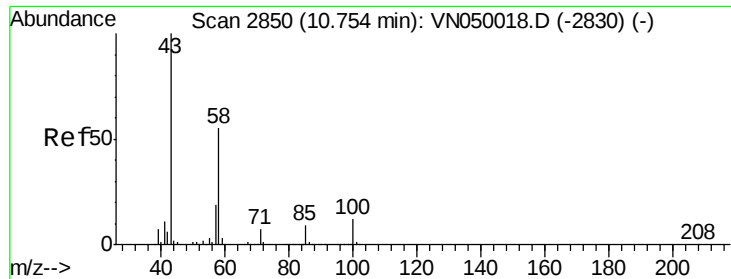
Tot Ion: 76 Resp: 208958
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.69 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion: 63 Resp: 342817
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.7 32.5

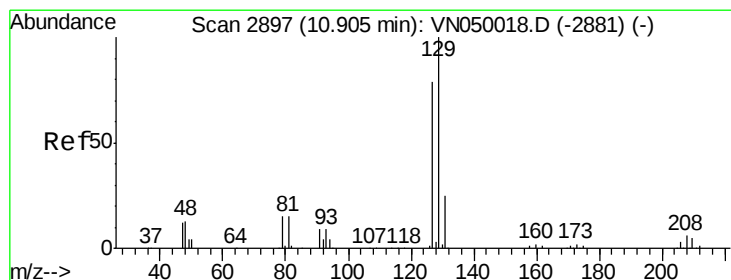
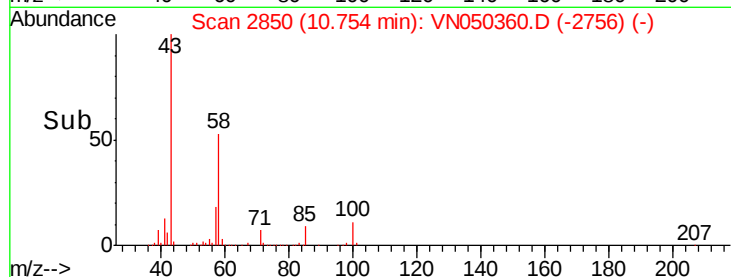
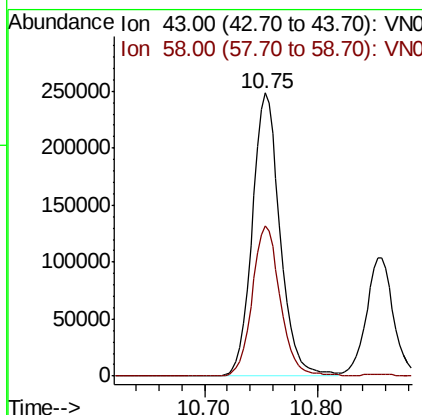
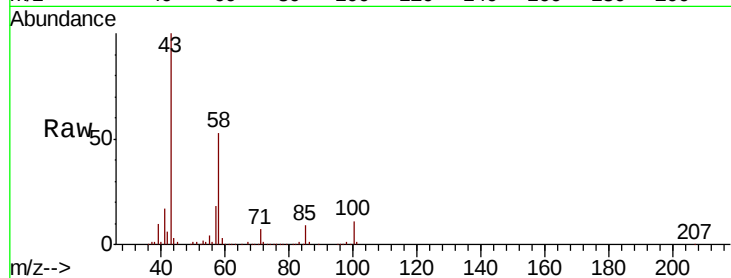




#59
2-Hexanone
Concen: 100.43 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

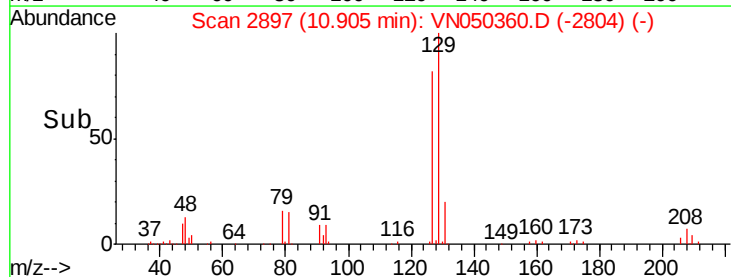
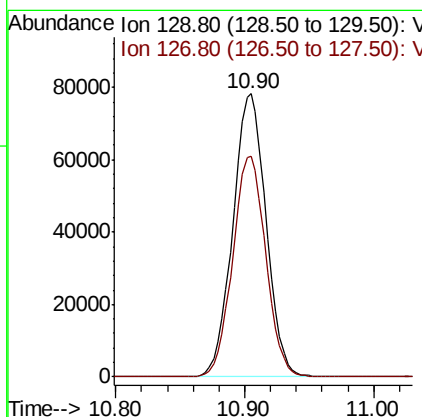
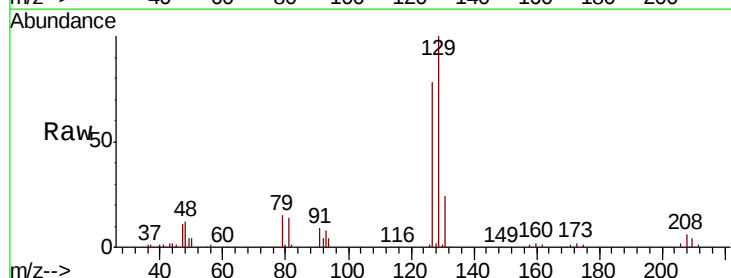
Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

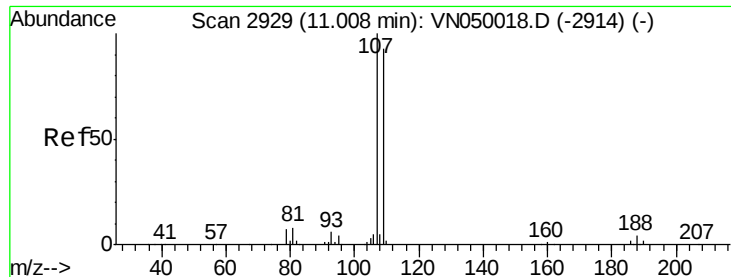
Tot Ion: 43 Resp: 422420
Ion Ratio Lower Upper
43 100
58 53.8 27.6 82.7



#60
Dibromochloromethane
Concen: 20.54 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion: 129 Resp: 139730
Ion Ratio Lower Upper
129 100
127 77.6 38.0 113.9

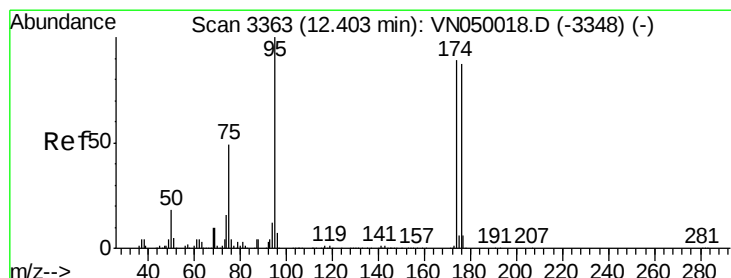
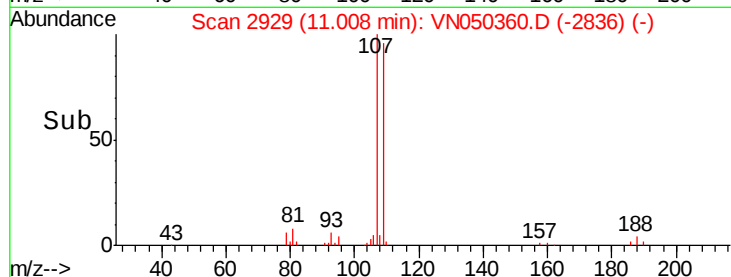
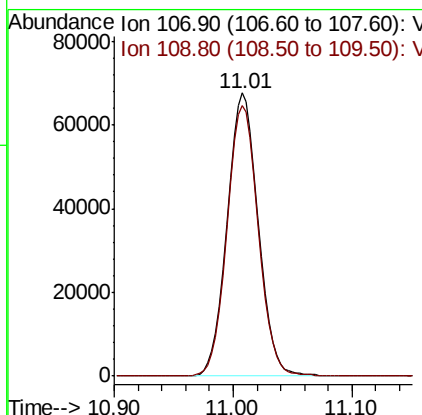
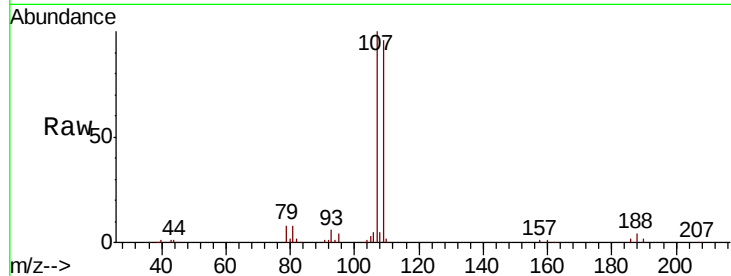




#61
 1,2-Dibromoethane
 Concen: 20.04 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

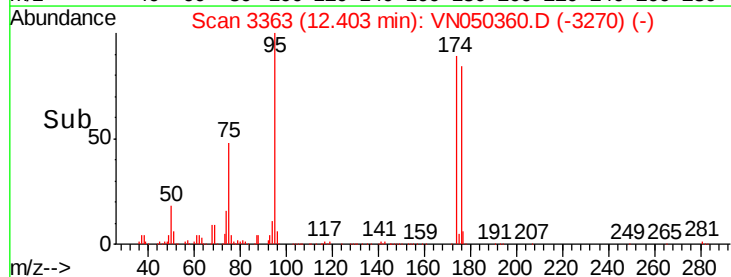
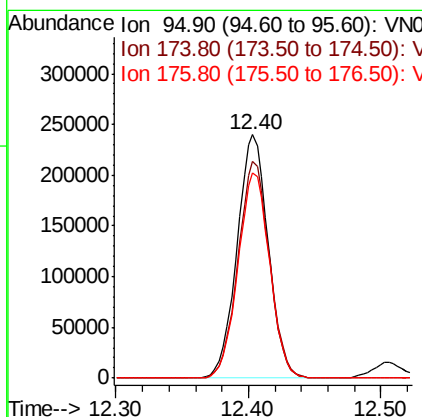
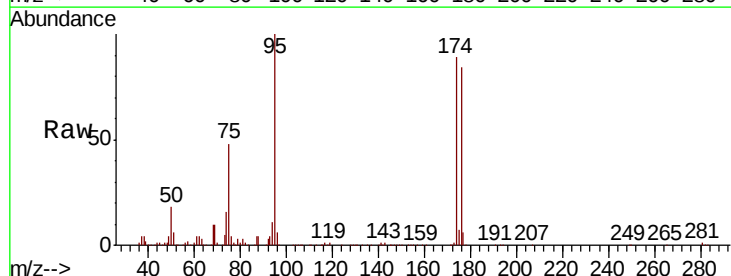
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

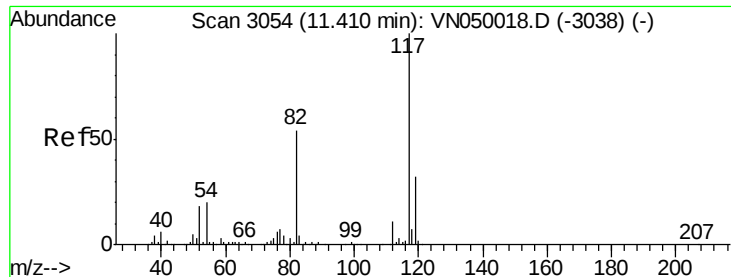
Tot Ion:107 Resp: 122176
 Ion Ratio Lower Upper
 107 100
 109 96.2 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 51.66 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion: 95 Resp: 390805
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 178.2
 176 85.8 0.0 173.4

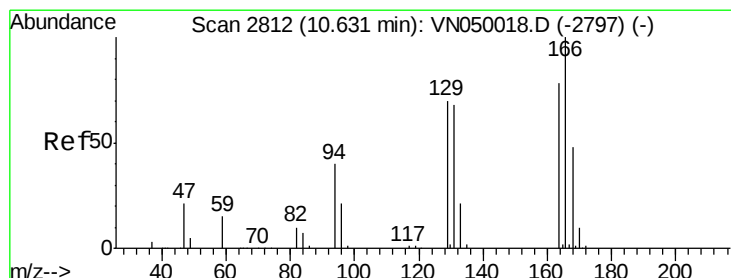
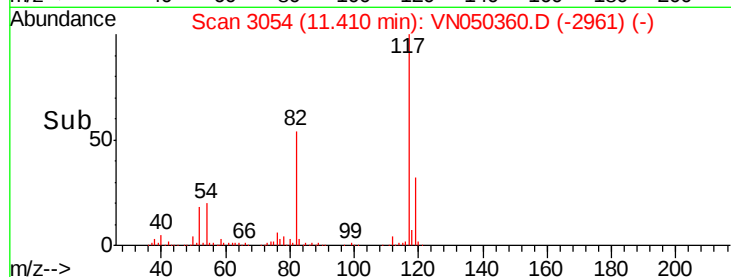
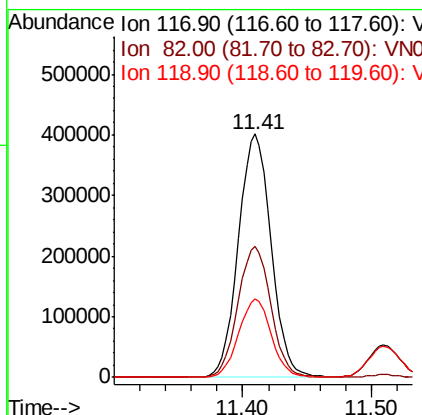
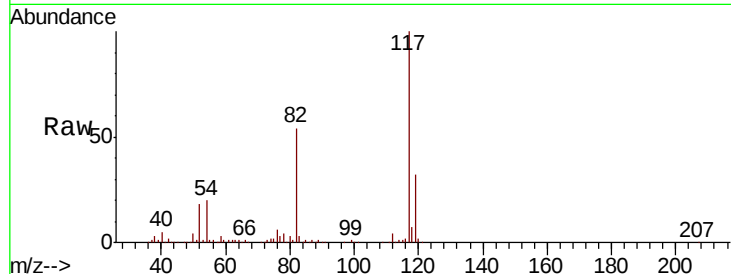




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

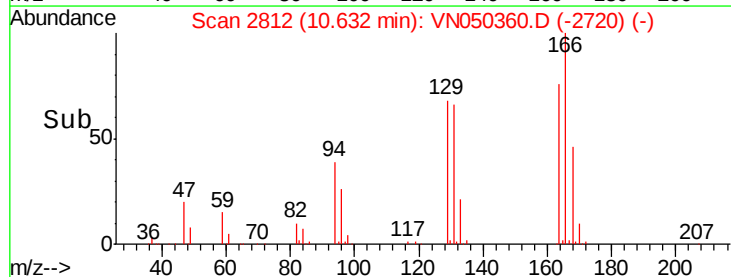
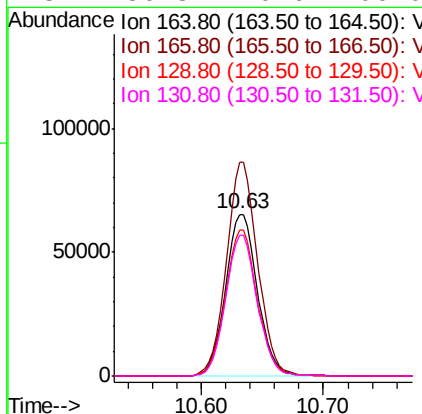
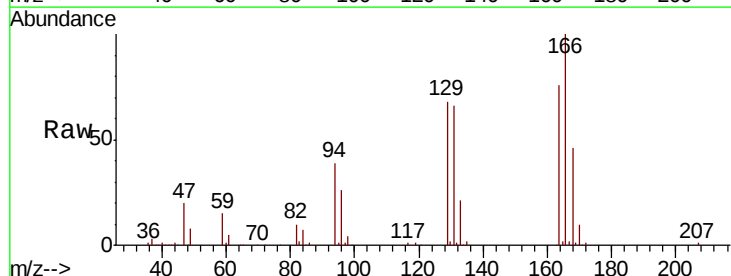
Instrument :
MSVOA_N
ClientSampled :
VN0804WBSD01

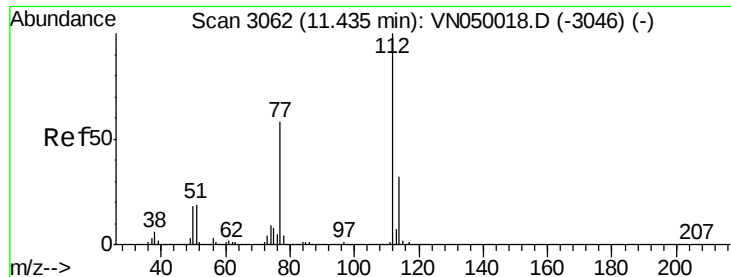
Tot Ion:117 Resp: 710760
Ion Ratio Lower Upper
117 100
82 53.8 43.7 65.5
119 32.2 26.1 39.1



#64
Tetrachloroethene
Concen: 17.45 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion:164 Resp: 119211
Ion Ratio Lower Upper
164 100
166 131.9 102.1 153.1
129 90.2 73.2 109.8
131 86.8 70.6 106.0

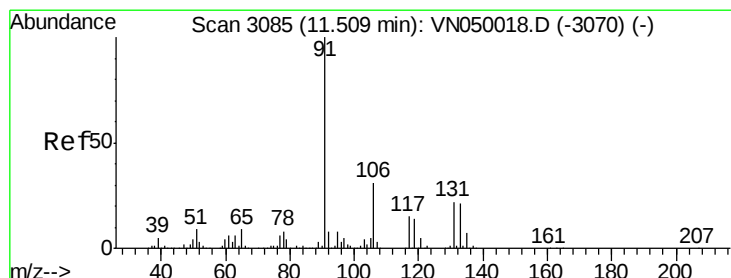
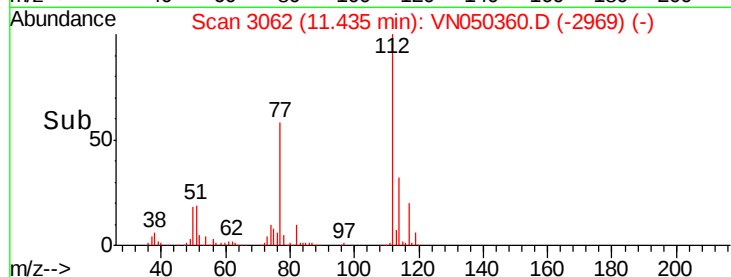
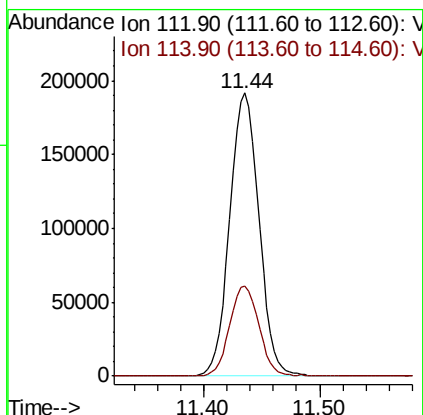
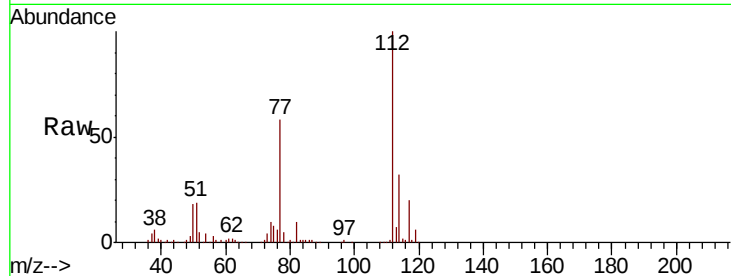




#65
Chlorobenzene
Concen: 18.65 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

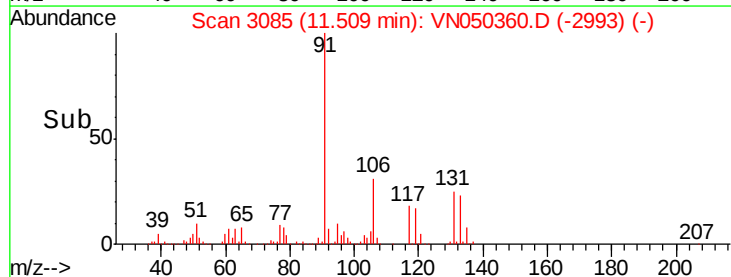
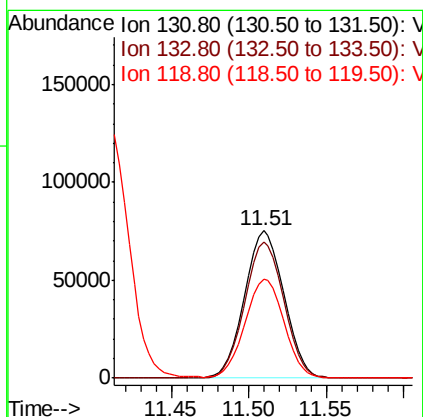
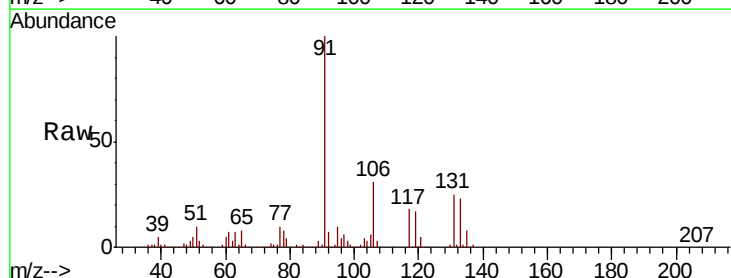
Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

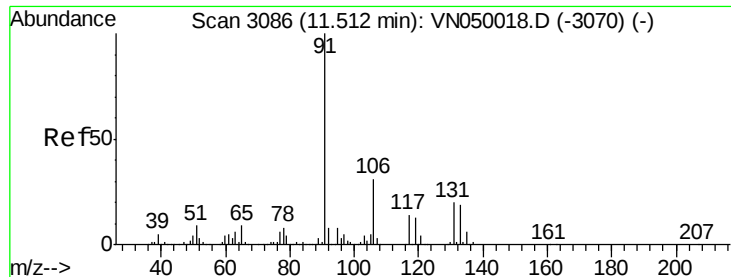
Tot Ion:112 Resp: 334815
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.42 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion:131 Resp: 133991
Ion Ratio Lower Upper
131 100
133 91.9 47.3 141.9
119 66.8 32.9 98.7





#67

Ethyl Benzene

Concen: 18.44 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleID :

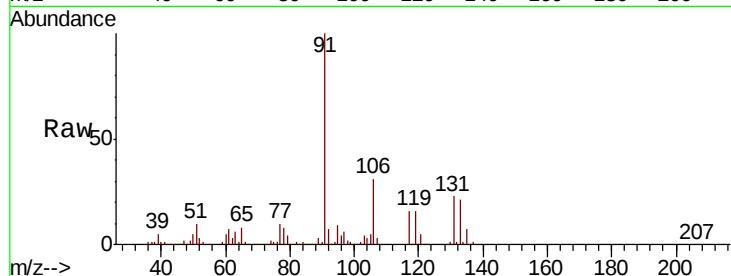
VN0804WBSD01

Tot Ion: 91 Resp: 531949

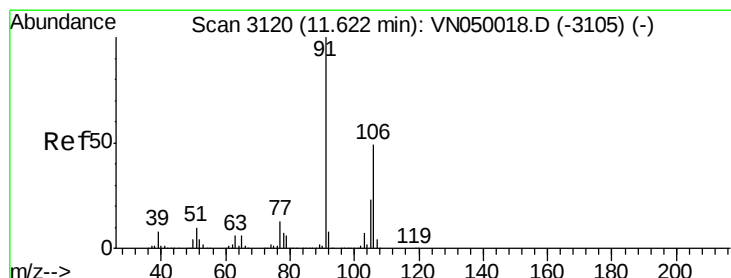
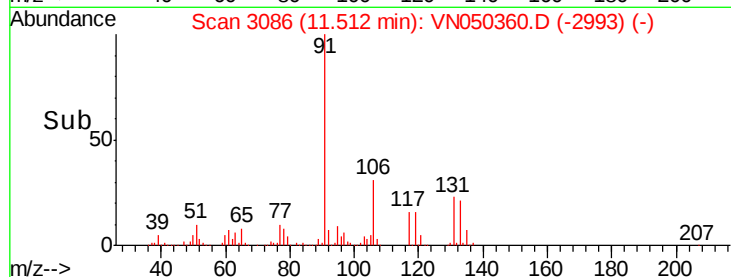
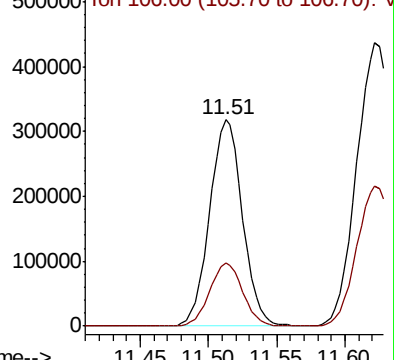
Ion Ratio Lower Upper

91 100

106 30.7 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3070) (-)



#68

m/p-Xylenes

Concen: 38.48 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050360.D

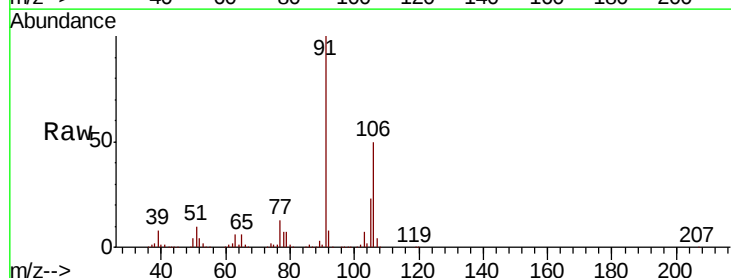
Acq: 4 Aug 2018 12:28

Tgt Ion: 106 Resp: 419765

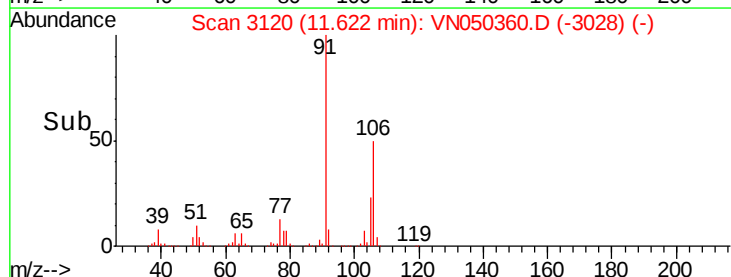
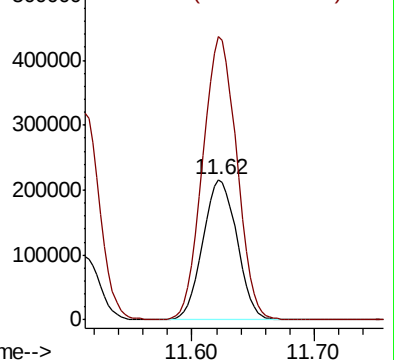
Ion Ratio Lower Upper

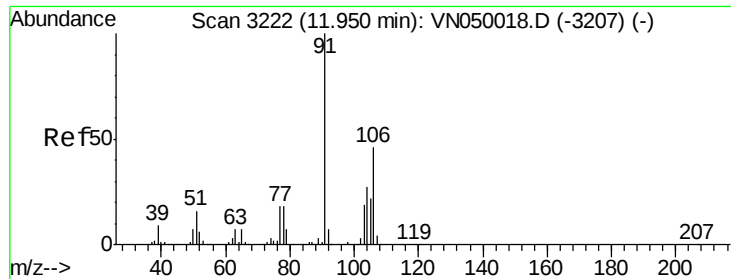
106 100

91 201.9 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VN050018.D (-3105) (-)

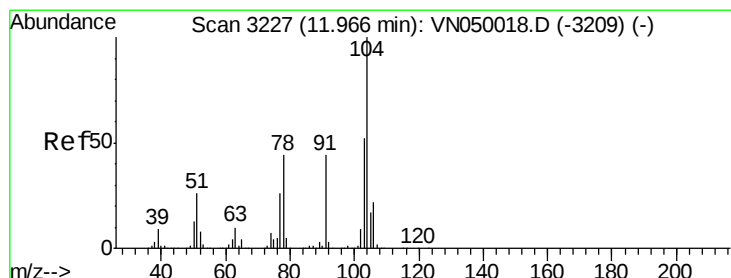
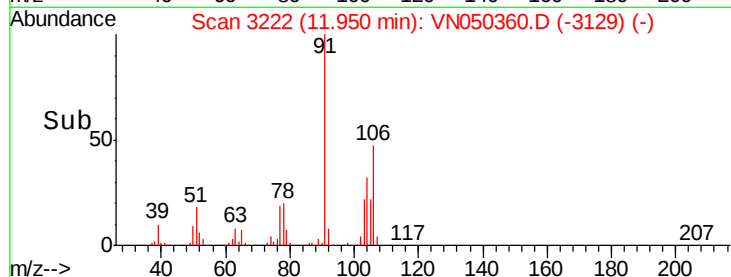
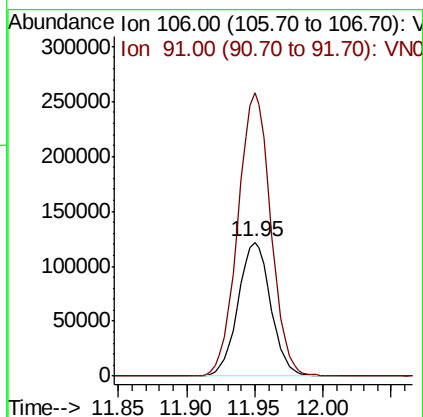
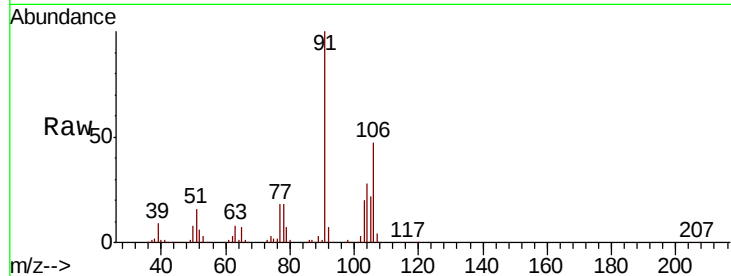




#69
o-Xylene
Concen: 19.50 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

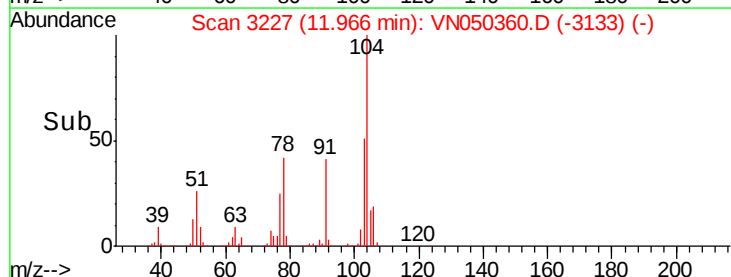
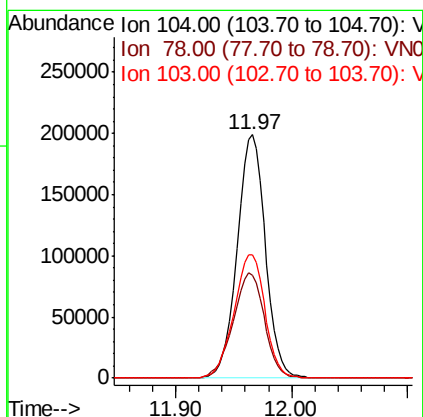
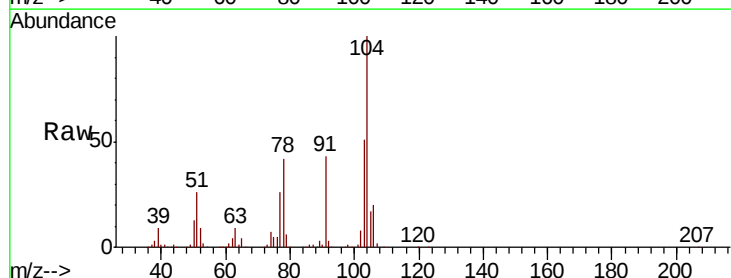
Instrument :
MSVOA_N
ClientSampled :
VN0804WBSD01

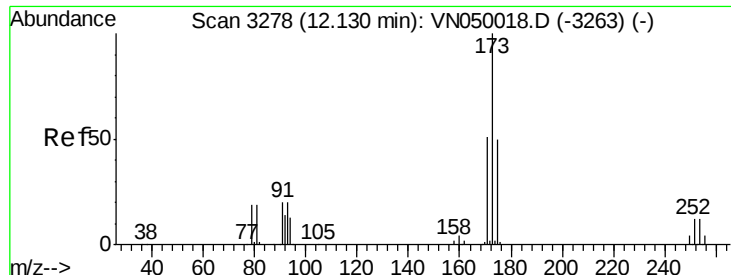
Tot Ion:106 Resp: 202763
Ion Ratio Lower Upper
106 100
91 213.0 107.7 323.1



#70
Styrene
Concen: 18.70 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion:104 Resp: 334999
Ion Ratio Lower Upper
104 100
78 48.1 39.3 58.9
103 55.7 45.0 67.6

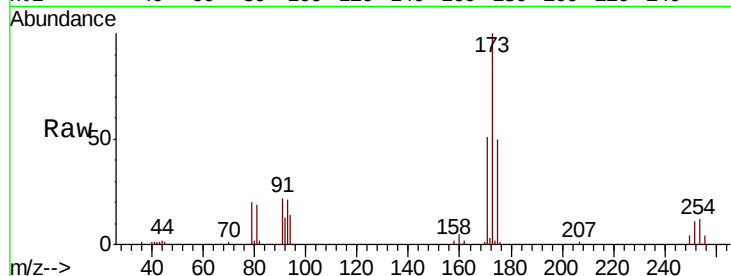




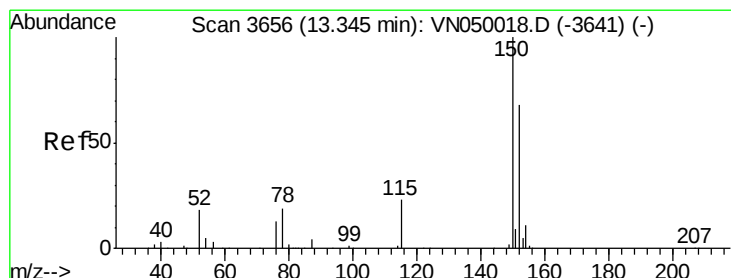
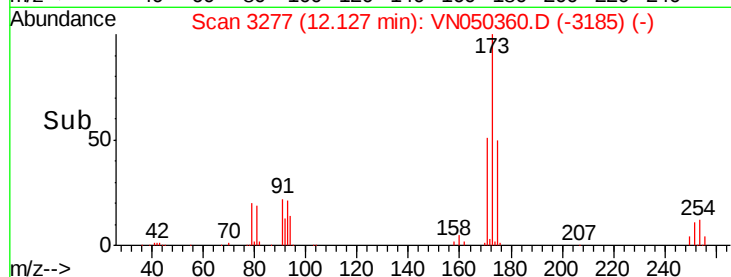
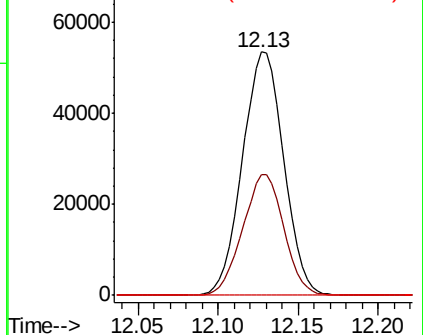
#71
Bromoform
Concen: 18.84 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0804WBSD01

Tot Ion:173 Resp: 94555
Ion Ratio Lower Upper
173 100
175 49.4 24.1 72.2
254 0.0 0.2 0.2#

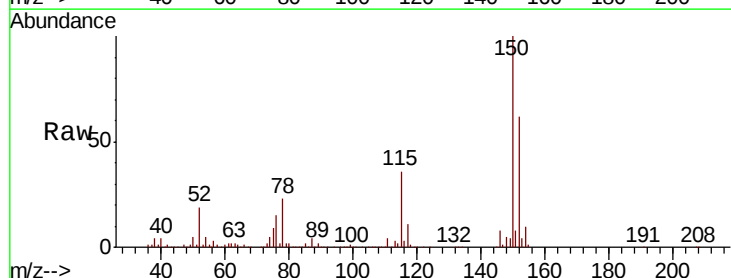


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

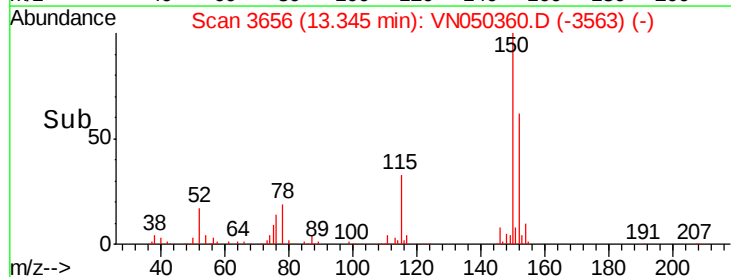
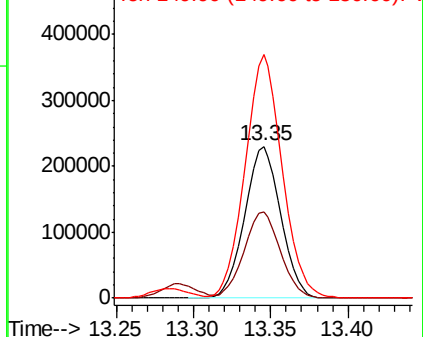


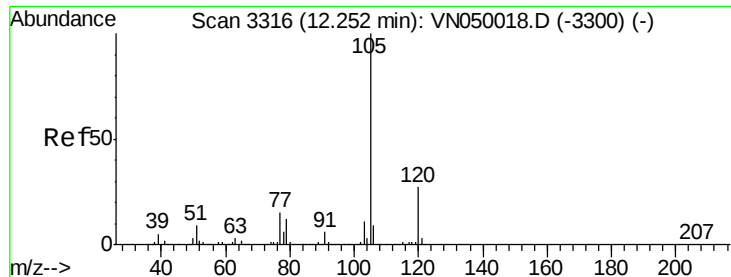
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion:152 Resp: 373439
Ion Ratio Lower Upper
152 100
115 57.5 27.8 83.3
150 164.6 0.0 348.6



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: 18.20 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampled :

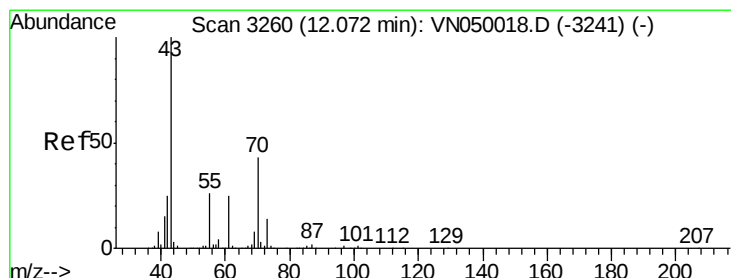
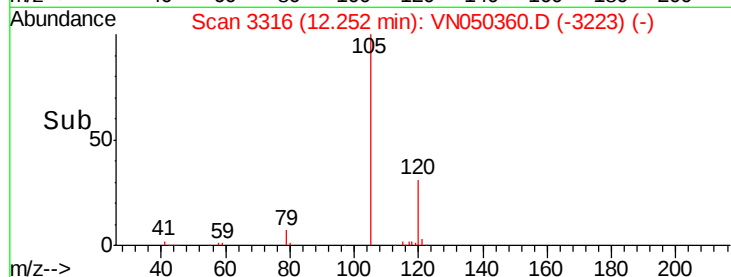
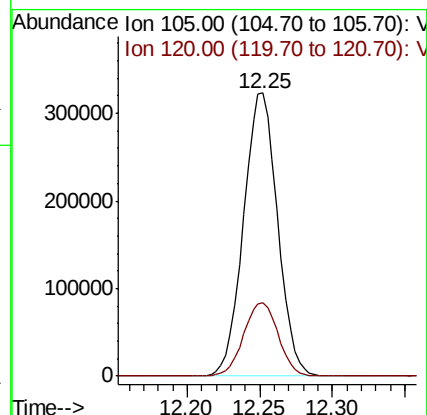
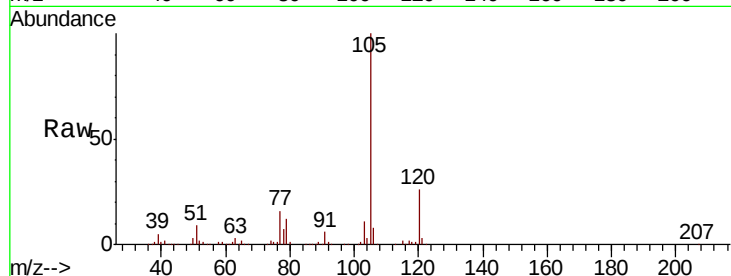
VN0804WBSD01

Tot Ion:105 Resp: 527144

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 19.09 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Tgt Ion: 43 Resp: 168974

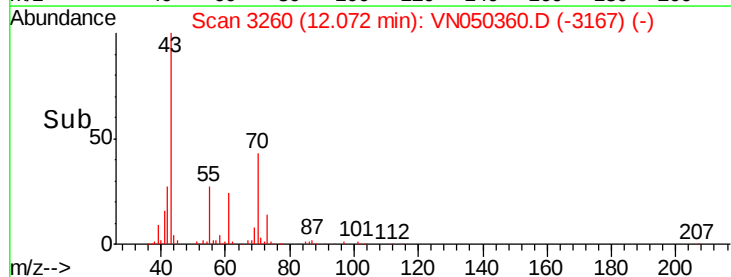
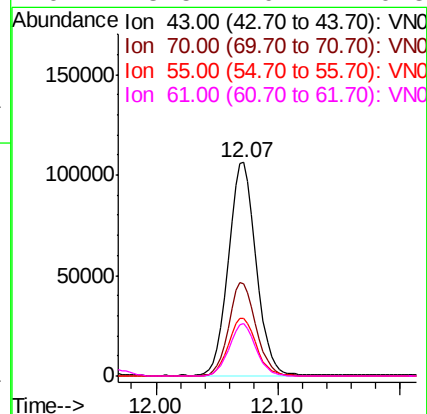
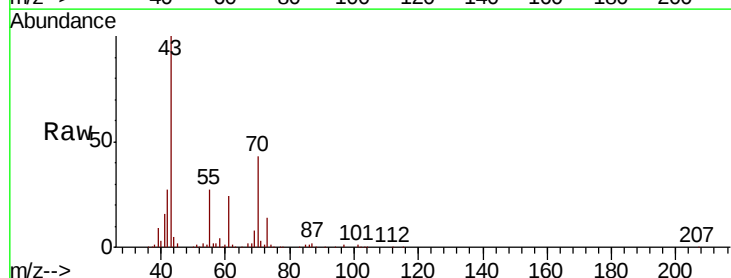
Ion Ratio Lower Upper

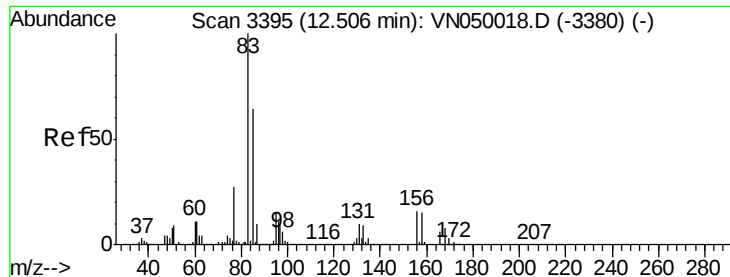
43 100

70 43.1 34.4 51.6

55 27.3 20.8 31.2

61 23.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.66 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

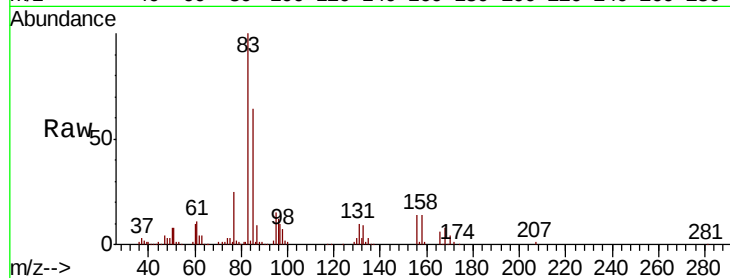
Tot Ion: 83 Resp: 167838

Ion Ratio Lower Upper

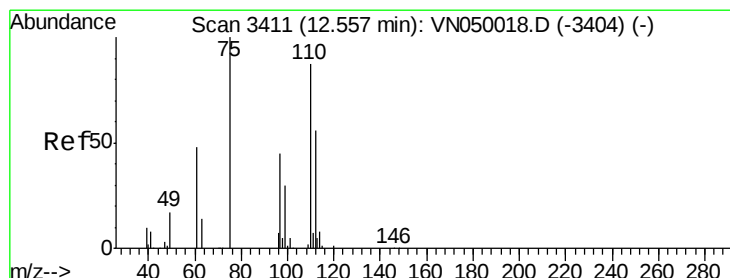
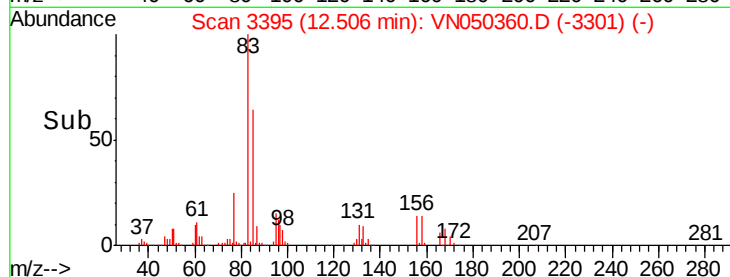
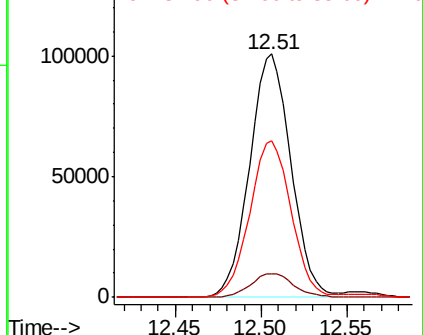
83 100

131 10.2 5.1 15.3

85 64.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.76 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050360.D

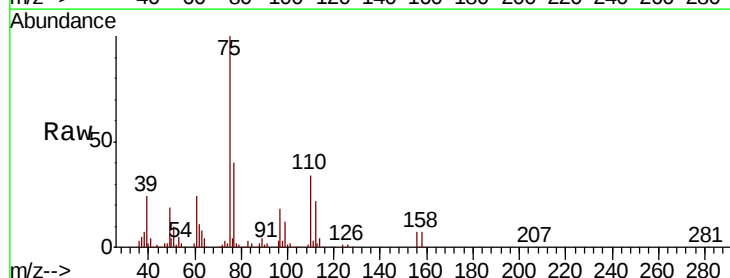
Acq: 4 Aug 2018 12:28

Tgt Ion: 75 Resp: 199587

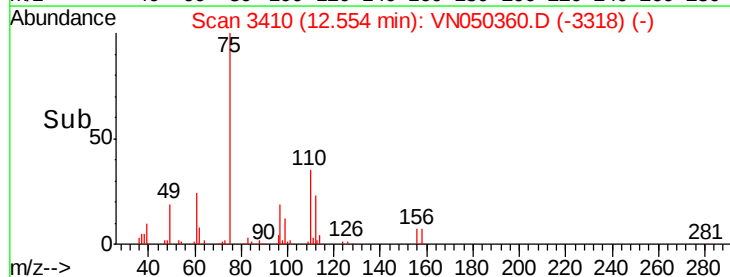
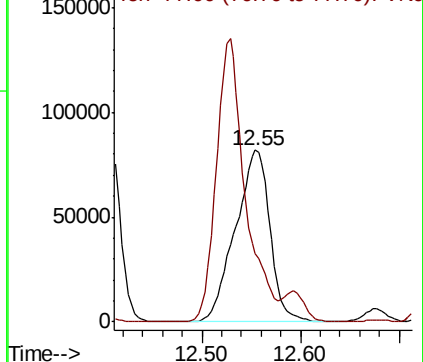
Ion Ratio Lower Upper

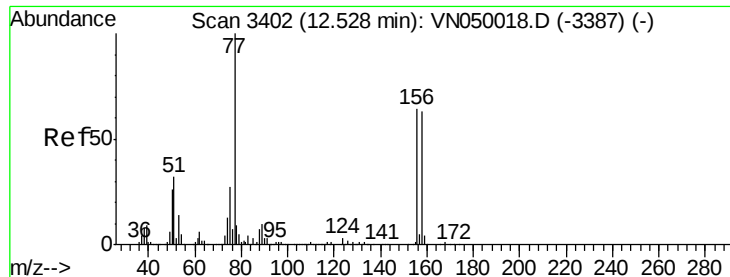
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.35 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampled :

VN0804WBSD01

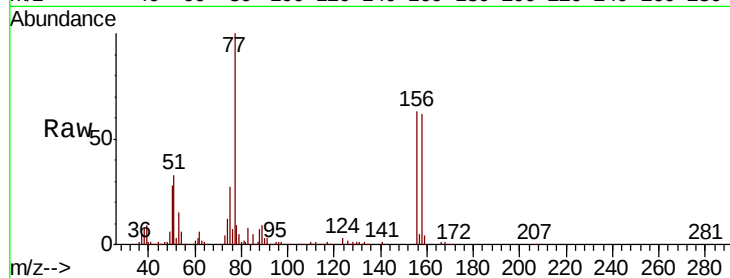
Tot Ion:156 Resp: 147270

Ion Ratio Lower Upper

156 100

77 187.6 91.7 275.1

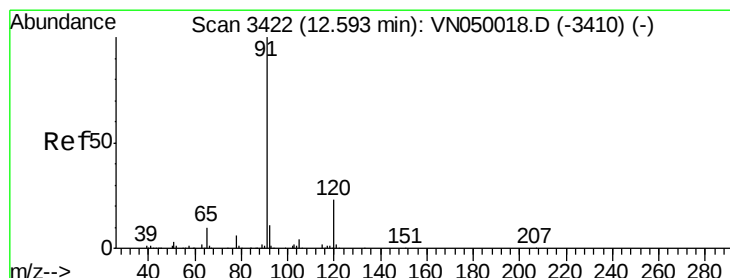
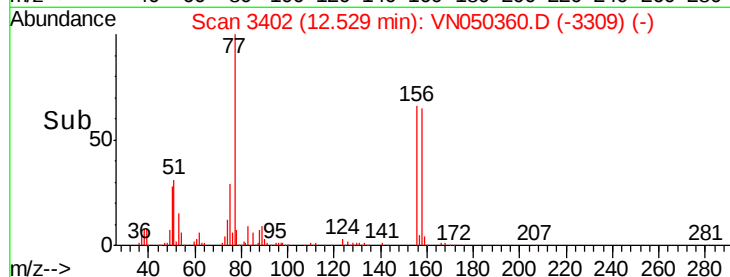
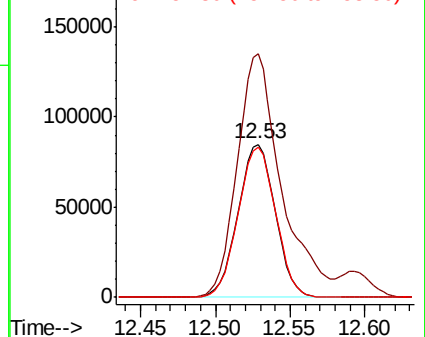
158 98.9 48.9 146.6



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: 18.35 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050360.D

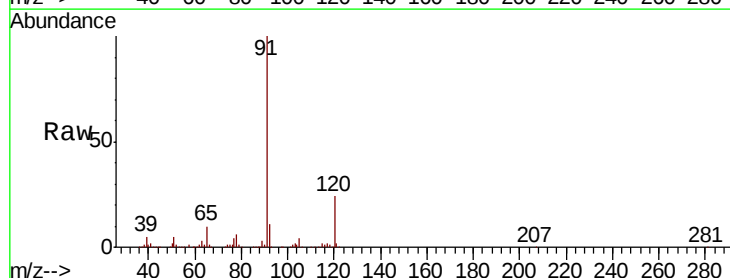
Acq: 4 Aug 2018 12:28

Tgt Ion: 91 Resp: 593902

Ion Ratio Lower Upper

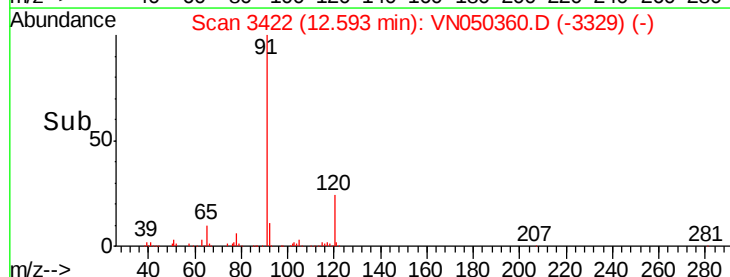
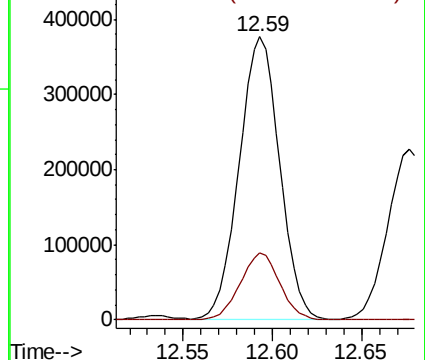
91 100

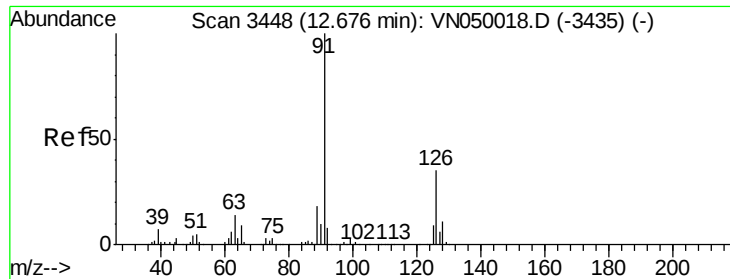
120 23.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

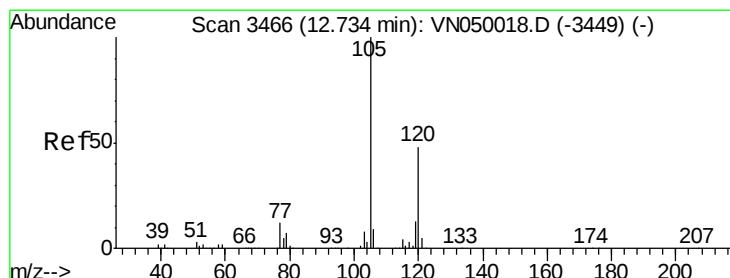
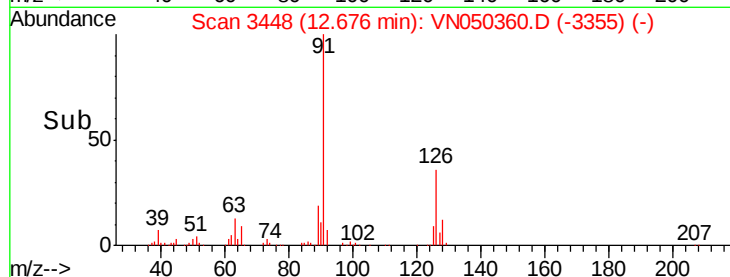
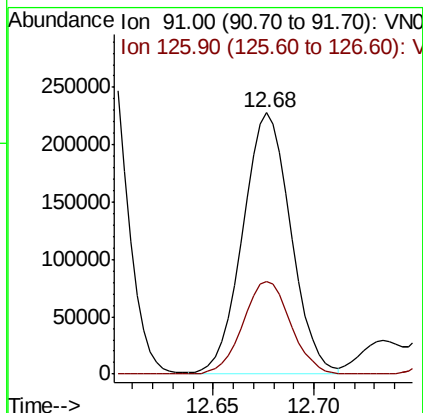
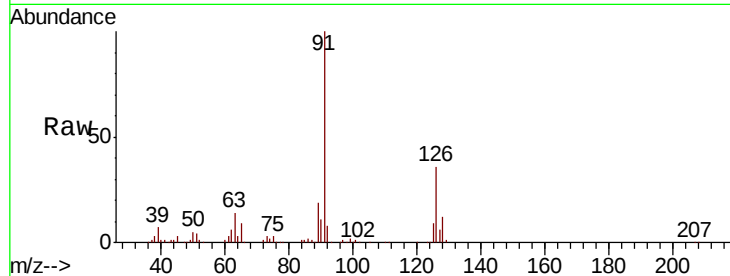




#79
 2-Chlorotoluene
 Concen: 18.81 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

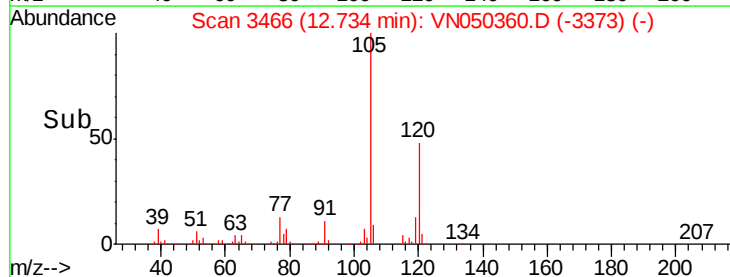
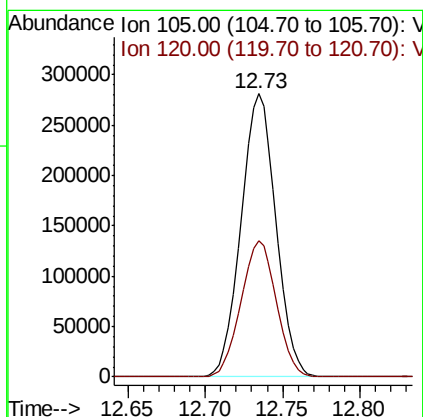
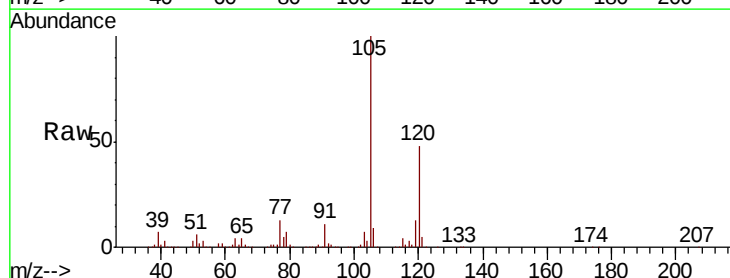
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

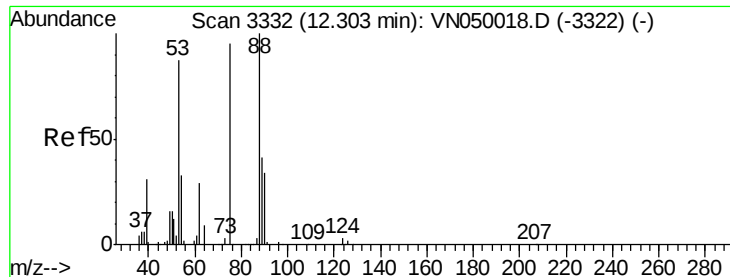
Tot Ion: 91 Resp: 377435
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 19.31 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion: 105 Resp: 440000
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.68 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

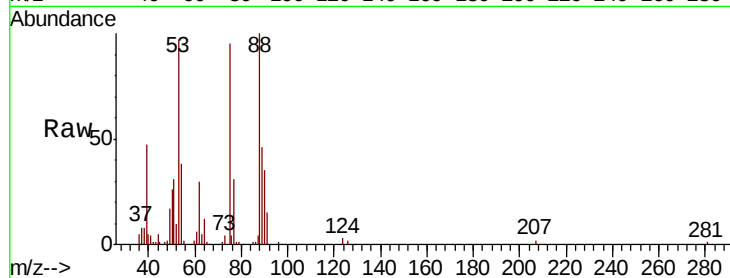
Tot Ion: 75 Resp: 40870

Ion Ratio Lower Upper

75 100

53 97.9 73.5 110.3

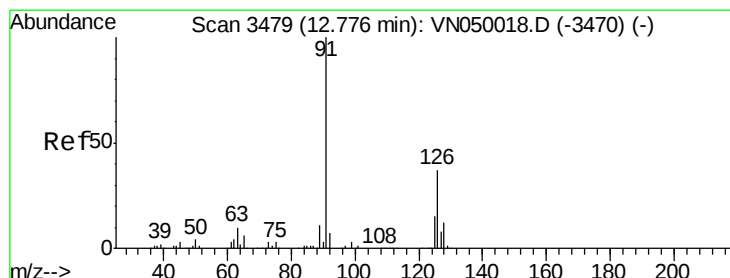
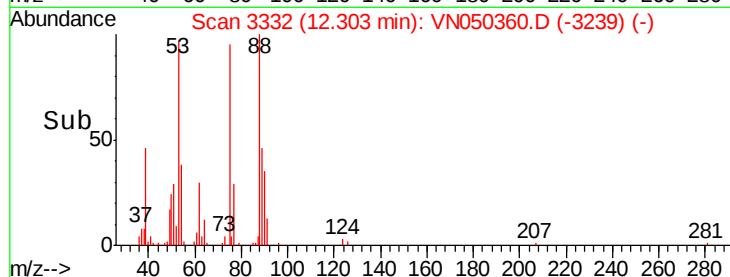
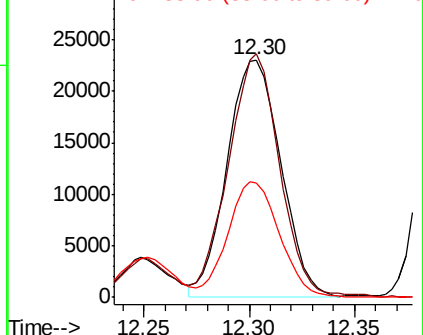
89 46.7 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.11 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050360.D

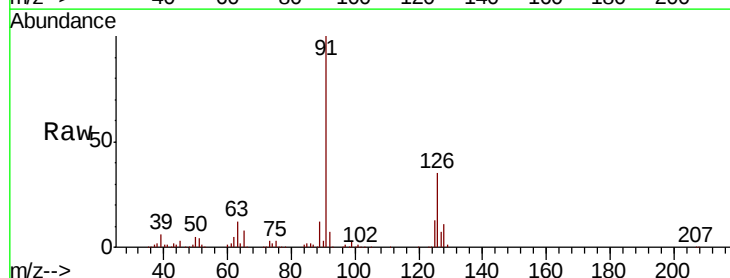
Acq: 4 Aug 2018 12:28

Tgt Ion: 91 Resp: 379739

Ion Ratio Lower Upper

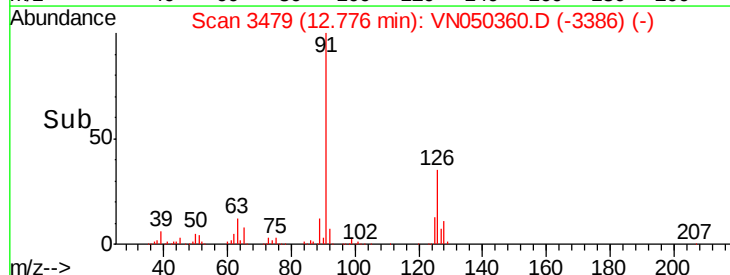
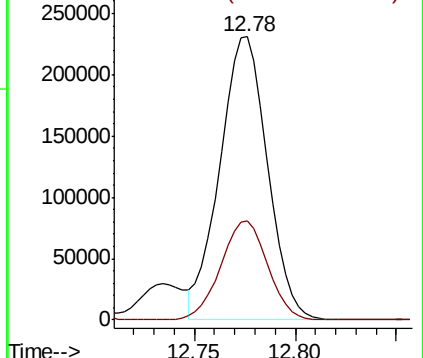
91 100

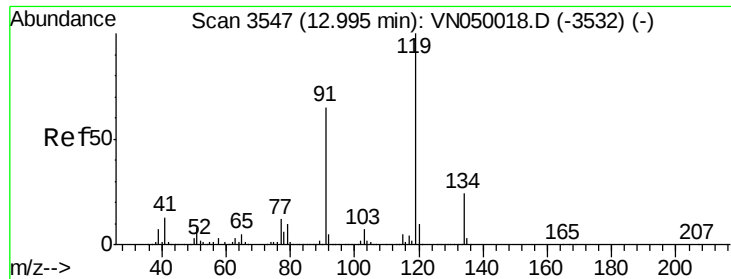
126 34.6 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

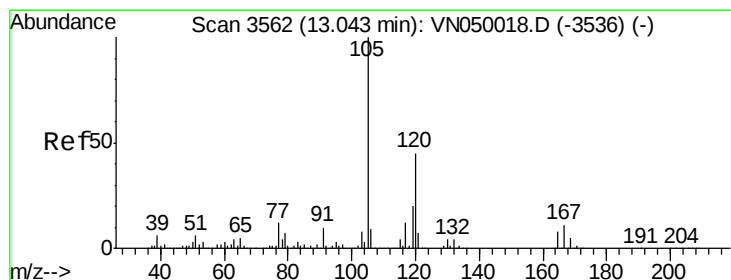
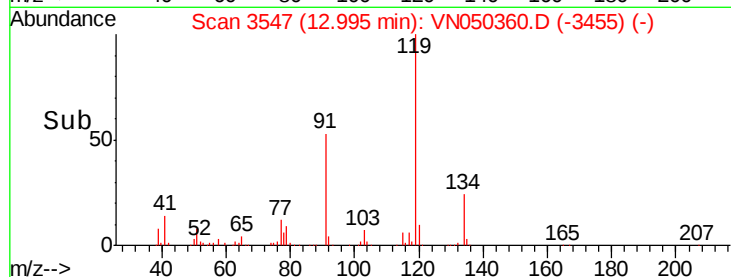
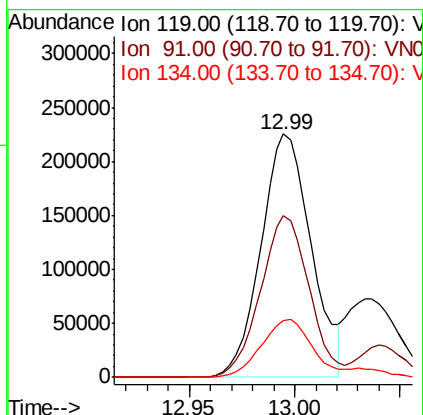
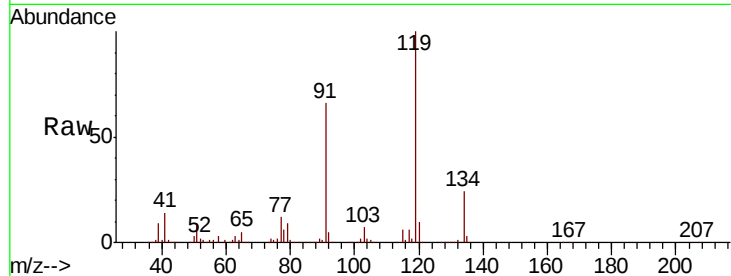




#83
tert-Butylbenzene
Concen: 18.81 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

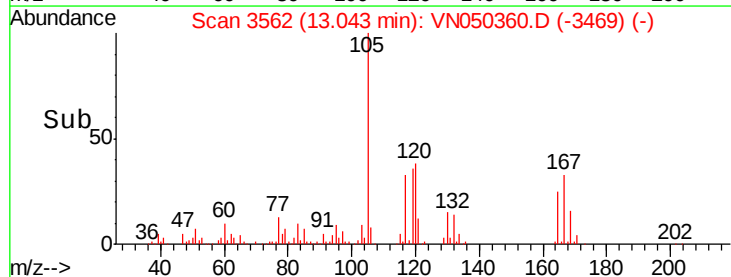
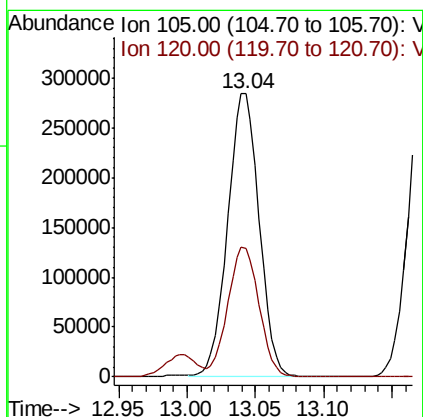
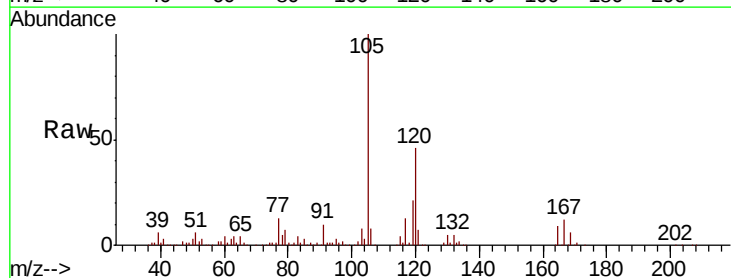
Instrument :
MSVOA_N
ClientSampleId :
VN0804WBSD01

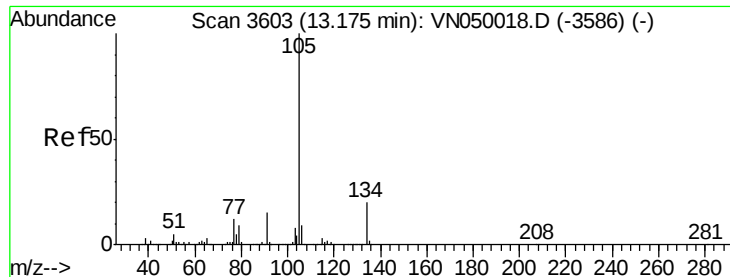
Tot Ion:119 Resp: 373961
Ion Ratio Lower Upper
119 100
91 64.2 32.1 96.3
134 24.1 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 19.81 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050360.D
Acq: 4 Aug 2018 12:28

Tgt Ion:105 Resp: 454809
Ion Ratio Lower Upper
105 100
120 45.6 22.9 68.7





#85

sec-Butylbenzene

Concen: 18.66 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

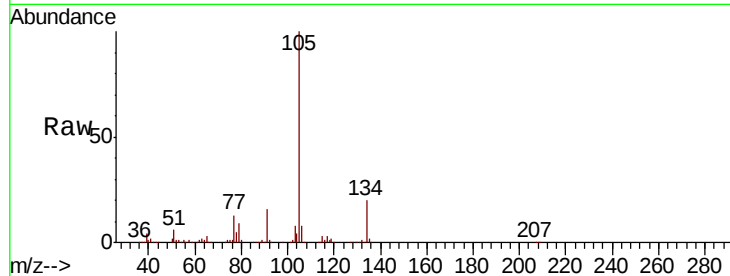
VN0804WBSD01

Tot Ion:105 Resp: 495702

Ion Ratio Lower Upper

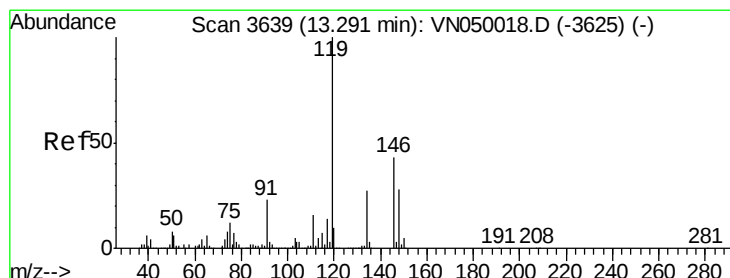
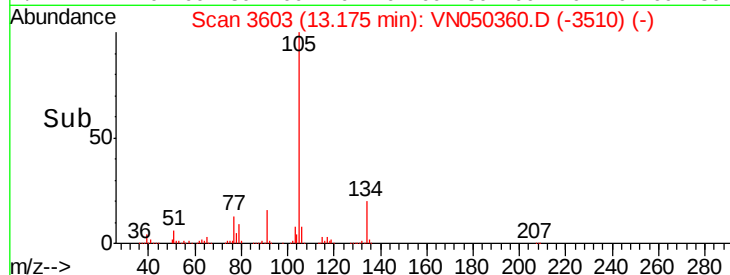
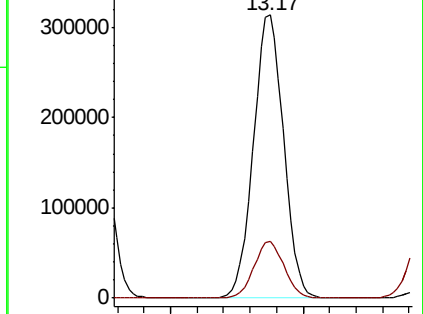
105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.10 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

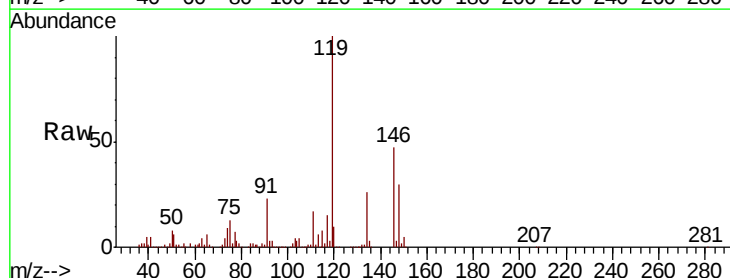
Tgt Ion:119 Resp: 427455

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

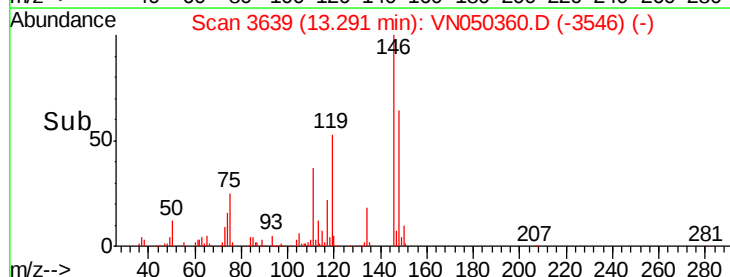
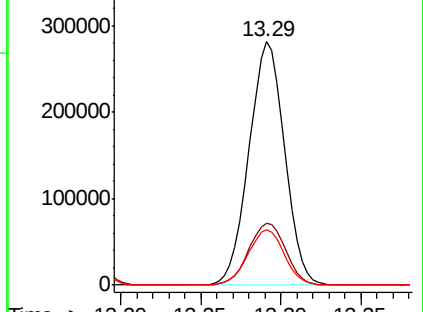
91 23.0 11.4 34.2

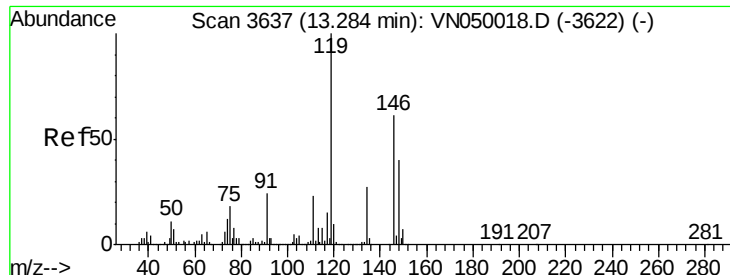


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

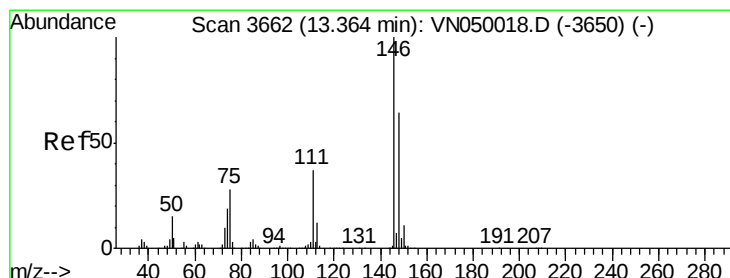
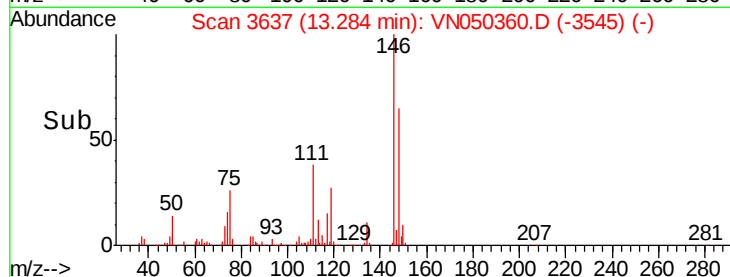
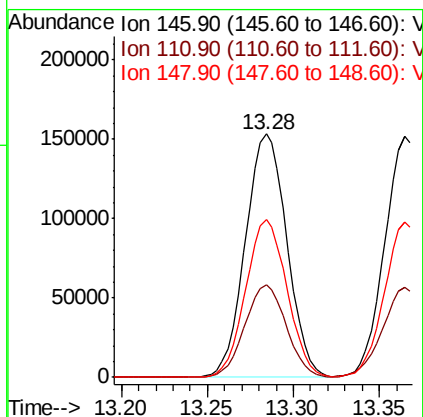
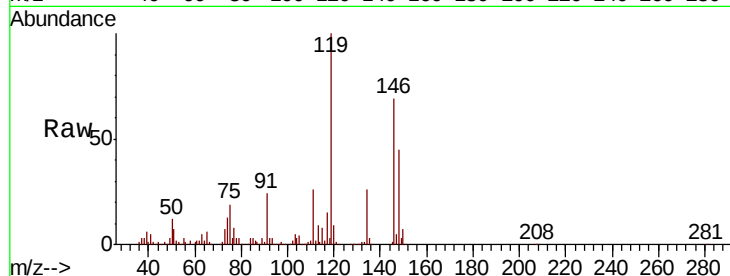




#87
 1,3-Dichlorobenzene
 Concen: 18.88 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

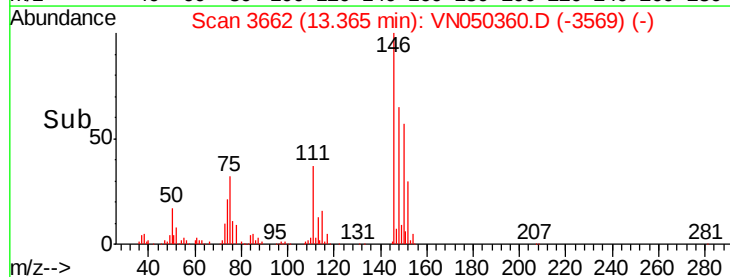
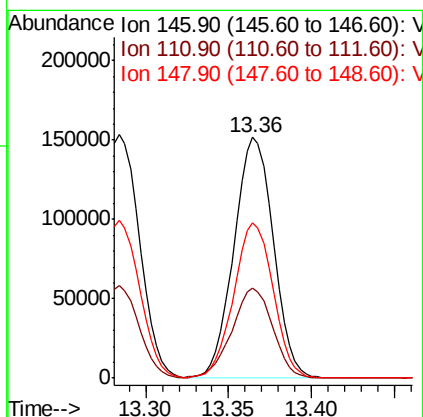
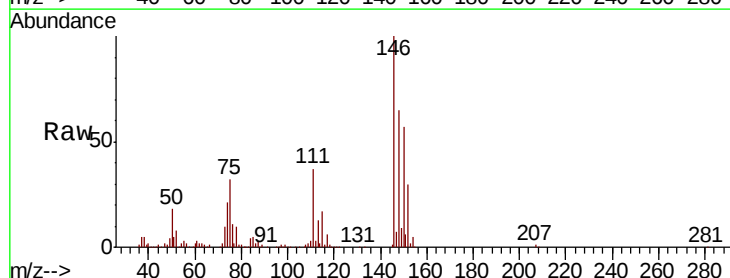
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

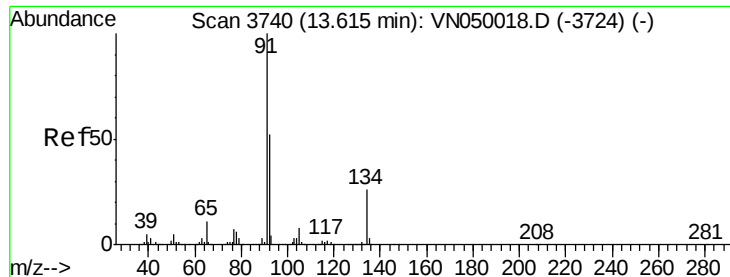
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	64.5	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.00 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.3	54.9
148	64.5	31.9	95.9





#89

n-Butylbenzene

Concen: 18.25 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

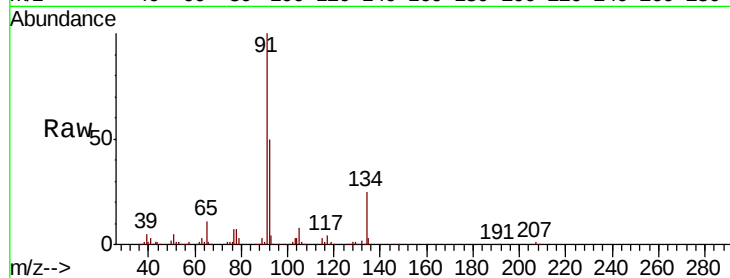
Tot Ion: 91 Resp: 335907

Ion Ratio Lower Upper

91 100

92 50.7 25.8 77.4

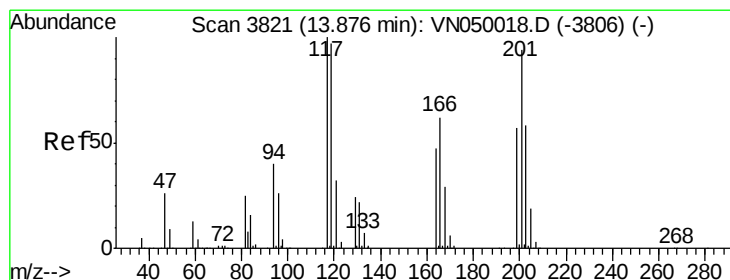
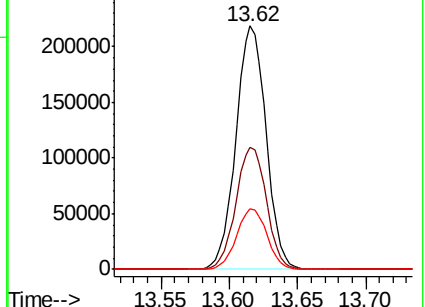
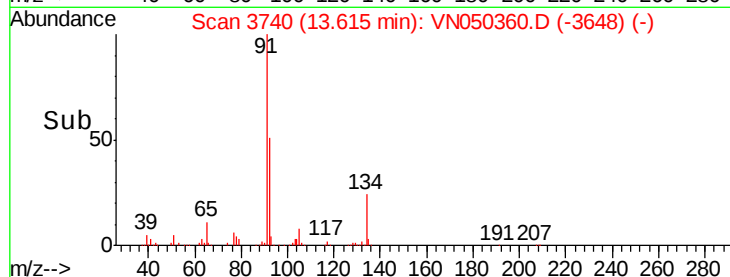
134 25.1 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3724) (-)

Ion 92.00 (91.70 to 92.70): VN050018.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN050018.D (-3724) (-)



#90

Hexachloroethane

Concen: 15.20 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050360.D

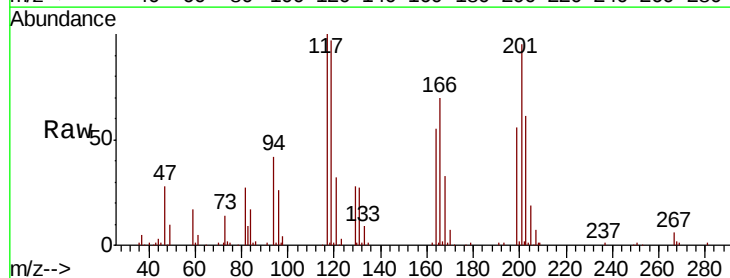
Acq: 4 Aug 2018 12:28

Tgt Ion: 117 Resp: 75547

Ion Ratio Lower Upper

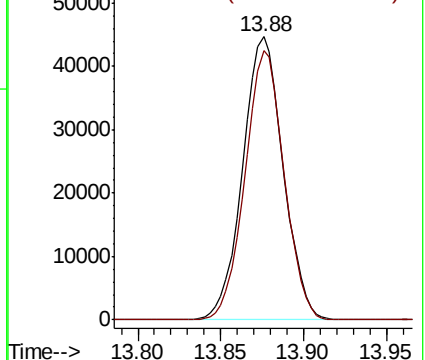
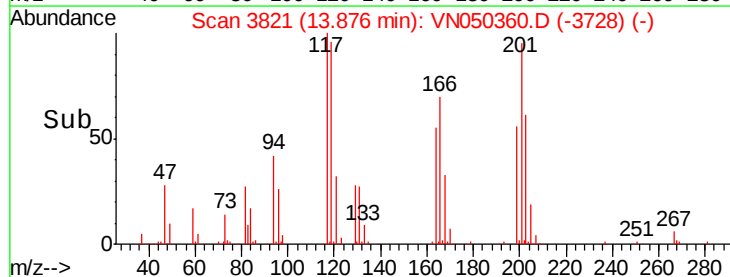
117 100

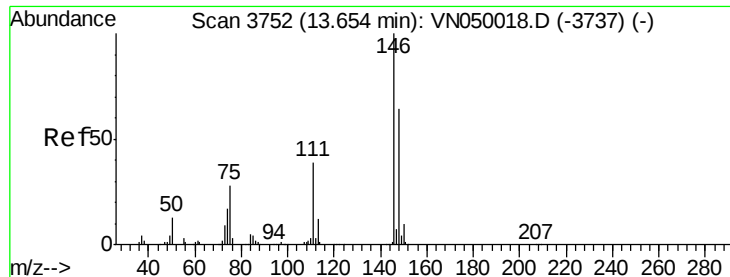
201 91.8 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): VN050018.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050018.D (-3806) (-)





#91

1,2-Dichlorobenzene

Concen: 19.22 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

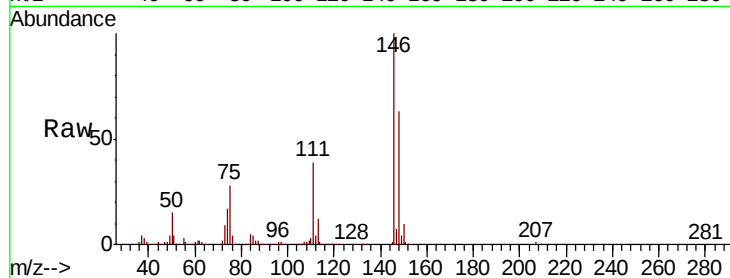
Tot Ion:146 Resp: 261443

Ion Ratio Lower Upper

146 100

111 38.9 19.6 58.7

148 64.1 32.1 96.3

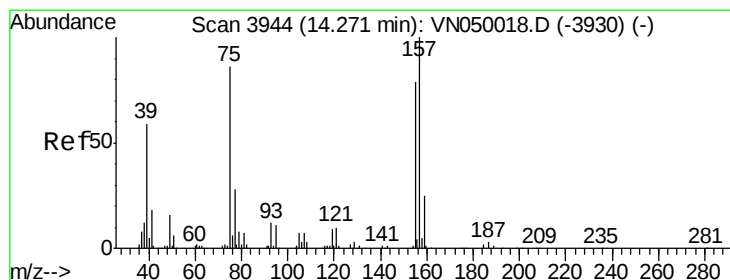
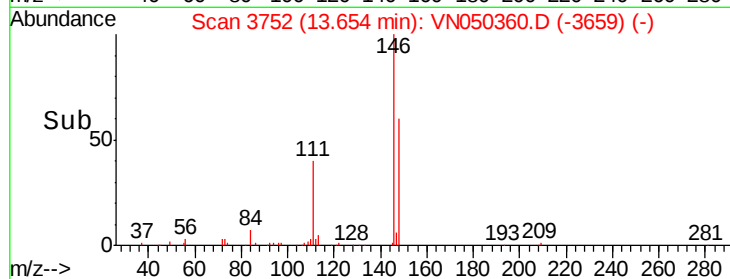
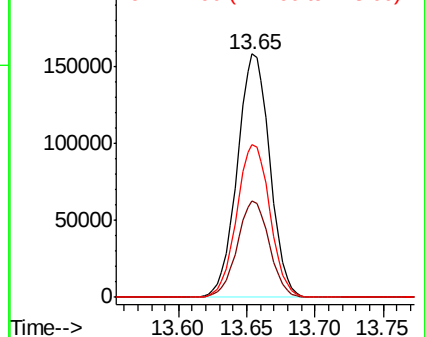


Abundance

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: 19.65 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

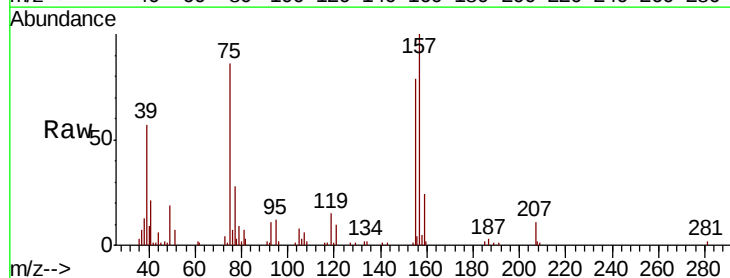
Tgt Ion: 75 Resp: 25988

Ion Ratio Lower Upper

75 100

155 87.9 44.8 134.4

157 118.0 57.2 171.6

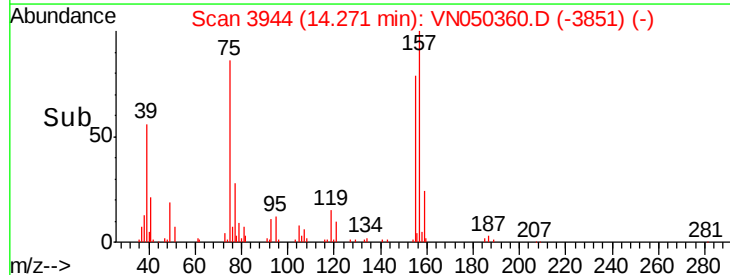
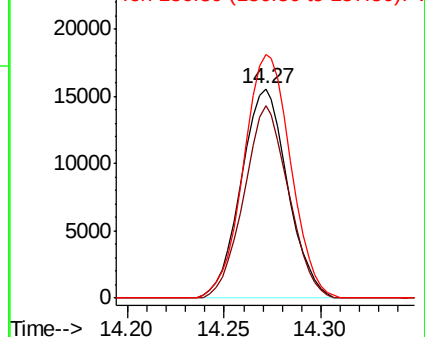


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

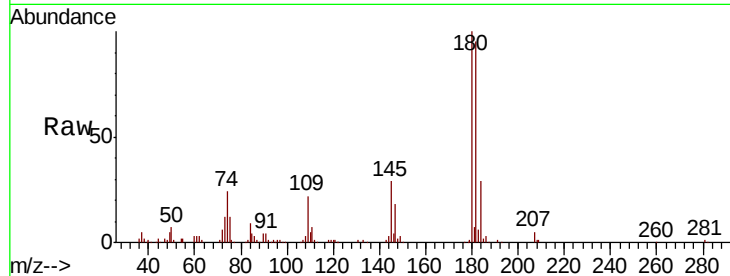




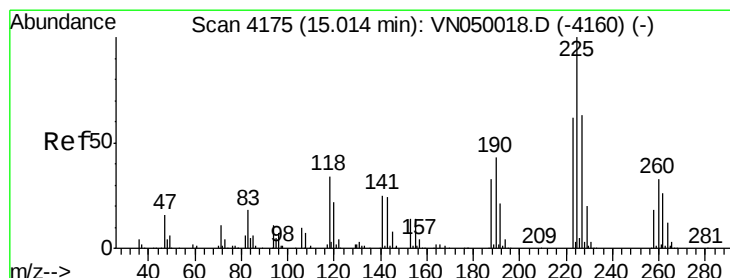
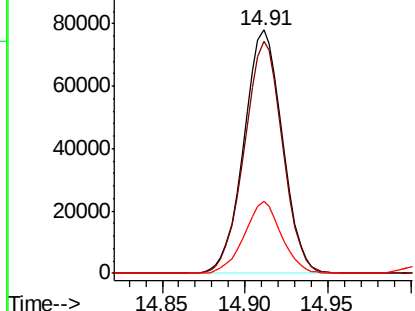
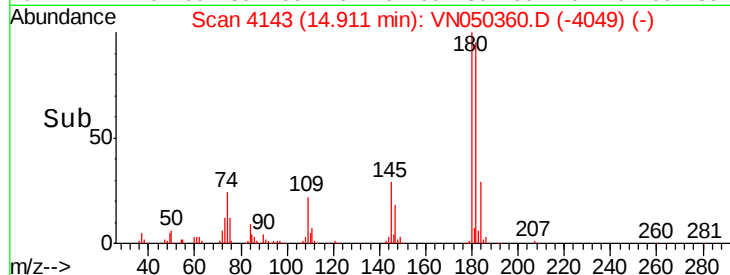
#93
 1,2,4-Trichlorobenzene
 Concen: 19.50 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0804WBSD01

Tot Ion:180 Resp: 126179
 Ion Ratio Lower Upper
 180 100
 182 94.5 46.7 140.1
 145 28.4 13.8 41.4

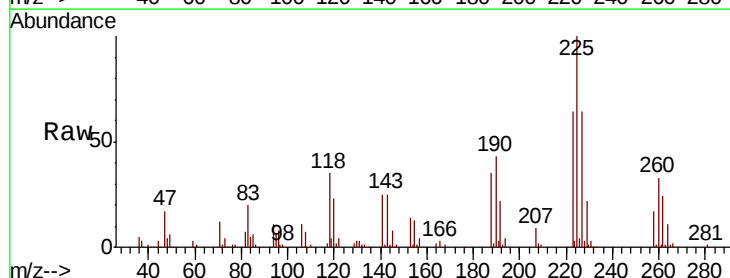


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

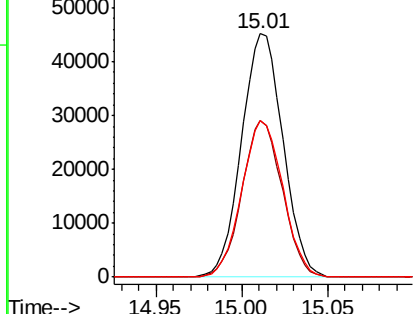
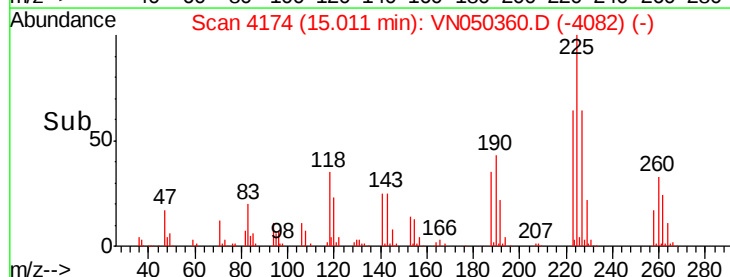


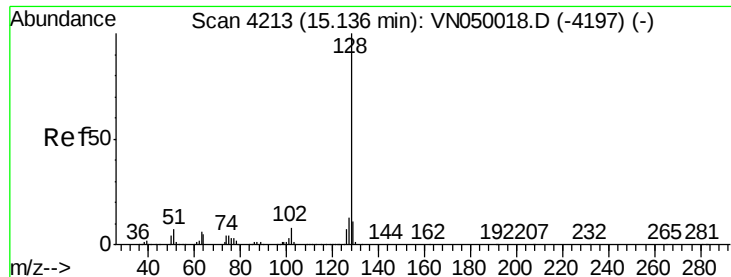
#94
 Hexachlorobutadiene
 Concen: 18.21 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050360.D
 Acq: 4 Aug 2018 12:28

Tgt Ion:225 Resp: 75829
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.4 94.2
 227 63.6 32.1 96.5



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: 19.38 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0804WBSD01

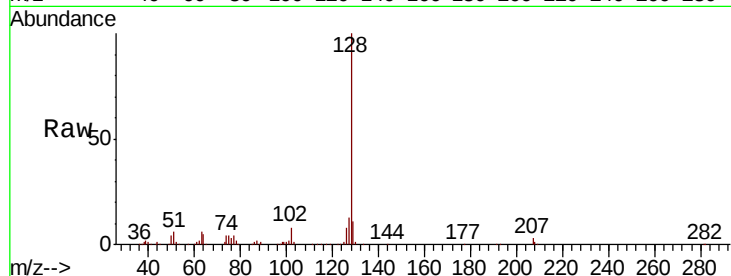
Tot Ion:128 Resp: 279894

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

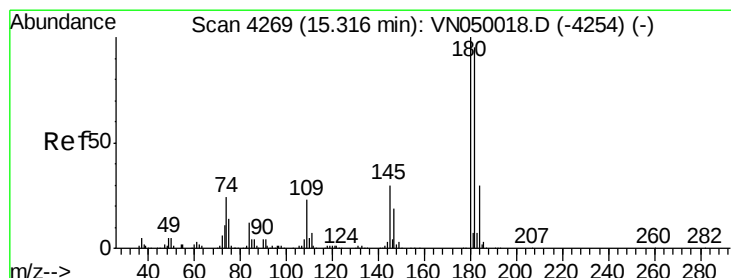
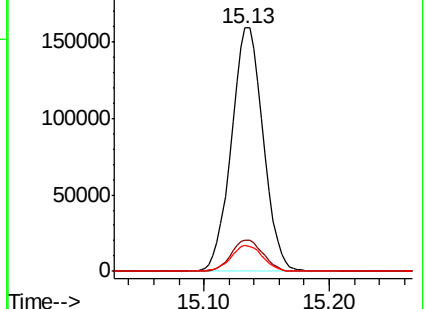
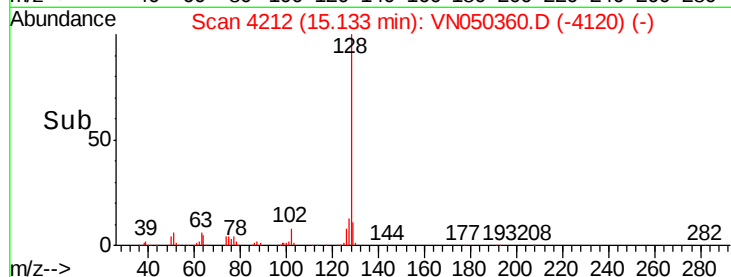
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.53 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050360.D

Acq: 4 Aug 2018 12:28

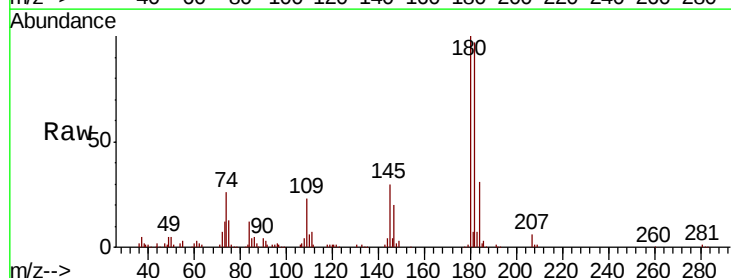
Tgt Ion:180 Resp: 127323

Ion Ratio Lower Upper

180 100

182 95.8 48.1 144.4

145 29.4 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

