

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN092115\
 Data File : VN027341.D
 Acq On : 21 Sep 2015 20:04
 Operator : MD\FY
 Sample : VN0921WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Quant Time: Sep 22 01:33:10 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 13:12:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	523220	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	997397	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	854919	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	323329	50.00	ug/l	0.00

System Monitoring Compounds						
34) 1,2-Dichloroethane-d4	8.12	65	520427	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
36) Dibromofluoromethane	7.68	113	324901	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
51) Toluene-d8	10.19	98	1226257	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
63) 4-Bromofluorobenzene	12.52	95	429922	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.80	85	107437	19.78	ug/l	100
3) Chlorodifluoromethane	1.82	51	130494	18.98	ug/l	# 92
4) Chloromethane	2.01	50	123370	19.83	ug/l	98
5) Vinyl Chloride	2.14	62	135417	19.51	ug/l	98
6) Bromomethane	2.54	94	60676	21.47	ug/l	91
7) Chloroethane	2.69	64	87077	19.73	ug/l	99
8) Trichlorofluoromethane	3.02	101	202832	20.12	ug/l	100
9) Diethyl Ether	3.43	74	89576	20.00	ug/l	86
10) 1,1,2-Trichlorotrifluoroet	3.79	101	127233	19.90	ug/l	95
11) Methyl Iodide	3.99	142	82112	18.15	ug/l	92
12) Tert butyl alcohol	4.80	59	84661	103.61	ug/l	96
13) 1,1-Dichloroethene	3.77	96	121403	20.32	ug/l	98
14) Acrolein	3.62	56	87609	82.70	ug/l	95
15) Allyl chloride	4.37	41	227335	19.51	ug/l	# 82
16) Acrylonitrile	5.03	53	303554	102.31	ug/l	97
17) Acetone	3.83	43	275256	98.78	ug/l	95
18) Carbon Disulfide	4.11	76	343934	19.23	ug/l	99
19) Methyl Acetate	4.36	43	369096	21.35	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	483260	20.26	ug/l	95
21) Methylene Chloride	4.60	84	147787	19.92	ug/l	98
22) trans-1,2-Dichloroethene	5.13	96	127693	19.44	ug/l	93
23) Diisopropyl ether	6.04	45	506265	19.98	ug/l	# 85
24) Vinyl Acetate	5.98	43	1083007	131.87	ug/l	98
25) 1,1-Dichloroethane	5.93	63	294832	19.96	ug/l	99
26) 2-Butanone	6.92	43	380062	104.15	ug/l	97
27) 2,2-Dichloropropane	6.92	77	255569	20.08	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	157310	20.27	ug/l	96
29) Bromochloromethane	7.29	49	127936	22.08	ug/l	97
30) Tetrahydrofuran	7.32	42	244427	105.67	ug/l	89
31) Chloroform	7.46	83	284282	20.49	ug/l	100
32) Cyclohexane	7.77	56	277087	20.16	ug/l	# 91
33) 1,1,1-Trichloroethane	7.67	97	246281	20.04	ug/l	97
37) 1,1-Dichloropropene	7.89	75	207215	19.28	ug/l	98
38) Ethyl Acetate	7.02	43	166823	20.10	ug/l	98

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 Misc : 5.00mL/MSVOA_N/WATER
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Instrument :
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 VN0921WBSD01

Quant Time: Sep 22 01:33:10 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 13:12:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	197448	19.52	ug/l	98
40) Methylcyclohexane	9.19	83	244861	19.18	ug/l	97
41) Benzene	8.14	78	614165	19.69	ug/l	100
42) Methacrylonitrile	7.24	41	97250	19.85	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	252679	19.87	ug/l	94
44) Isopropyl Acetate	8.25	43	313401	19.76	ug/l	97
45) Trichloroethene	8.93	130	121498	19.44	ug/l	94
46) 1,2-Dichloropropane	9.22	63	172099	19.71	ug/l	99
47) Dibromomethane	9.31	93	101627	19.39	ug/l	94
48) Bromodichloromethane	9.50	83	216366	19.47	ug/l	99
49) Methyl methacrylate	9.29	41	149421	20.01	ug/l #	87
50) 1,4-Dioxane	9.30	88	35634	395.42	ug/l	98
52) 4-Methyl-2-Pentanone	10.07	43	832679	102.05	ug/l	100
53) Toluene	10.26	92	351854	19.07	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	224543	18.93	ug/l	98
55) cis-1,3-Dichloropropene	9.93	75	251800	19.32	ug/l	92
56) 1,1,2-Trichloroethane	10.66	97	135215	19.65	ug/l	98
57) Ethyl methacrylate	10.52	69	215542	19.73	ug/l #	89
58) 1,3-Dichloropropane	10.81	76	250230	19.73	ug/l	99
59) 2-Chloroethyl Vinyl ether	9.78	63	503884	104.09	ug/l	97
60) 2-Hexanone	10.84	43	555094	100.10	ug/l	99
61) Dibromochloromethane	11.00	129	130028	19.29	ug/l	99
62) 1,2-Dibromoethane	11.11	107	130305	19.91	ug/l	99
65) Tetrachloroethene	10.74	164	98208	19.30	ug/l	96
66) Chlorobenzene	11.54	112	350981	19.15	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	117081	19.04	ug/l	97
68) Ethyl Benzene	11.62	91	666751	19.28	ug/l	100
69) m/p-Xylenes	11.73	106	458392	38.24	ug/l	90
70) o-Xylene	12.06	106	237213	19.59	ug/l	93
71) Styrene	12.08	104	367964	19.08	ug/l	94
72) Bromoform	12.24	173	75978	18.41	ug/l #	98
74) Isopropylbenzene	12.36	105	627424	19.37	ug/l	99
75) N-amyl acetate	12.17	43	249721	19.43	ug/l	98
76) 1,1,2,2-Tetrachloroethane	12.61	83	177551	19.47	ug/l	97
77) 1,2,3-Trichloropropane	12.66	75	245436	30.23	ug/l	52
78) Bromobenzene	12.64	156	124527	19.65	ug/l	97
79) n-propylbenzene	12.71	91	735191	19.03	ug/l	97
80) 2-Chlorotoluene	12.79	91	449195	19.02	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	497140	18.99	ug/l	96
82) trans-1,4-Dichloro-2-buten	12.40	75	56665	17.90	ug/l	97
83) 4-Chlorotoluene	12.89	91	436046	18.92	ug/l	95
84) tert-Butylbenzene	13.11	119	412121	19.52	ug/l	90
85) 1,2,4-Trimethylbenzene	13.16	105	496160	19.05	ug/l	96
86) sec-Butylbenzene	13.29	105	608836	19.36	ug/l	99
87) p-Isopropyltoluene	13.41	119	454913	19.29	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	212954	19.47	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	213758	19.31	ug/l	95
90) n-Butylbenzene	13.74	91	434646	18.46	ug/l	98
91) Hexachloroethane	14.01	117	92433	18.33	ug/l	91
92) 1,2-Dichlorobenzene	13.78	146	218649	20.01	ug/l	97

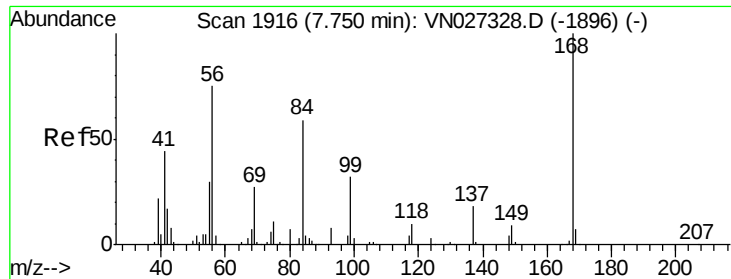
Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN092115\
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Acq On : 21 Sep 2015 20:04
Operator : MD\FY
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QLast Update : Mon Sep 21 13:12:32 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	34421	19.26	ug/l	85
94) 1,2,4-Trichlorobenzene	15.06	180	108946	19.29	ug/l	99
95) Hexachlorobutadiene	15.16	225	58074	18.77	ug/l	99
96) Naphthalene	15.29	128	294489	19.54	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	109076	19.39	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

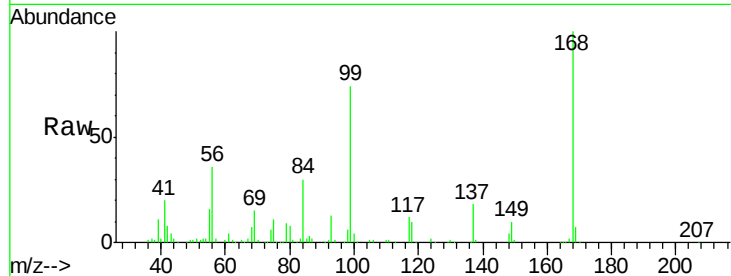
VN0921WBSD01

Tgt Ion:168 Resp: 523220

Ion Ratio Lower Upper

168 100

99 73.8 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.75

200000

150000

100000

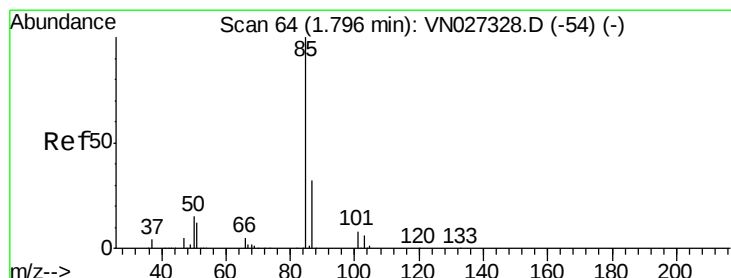
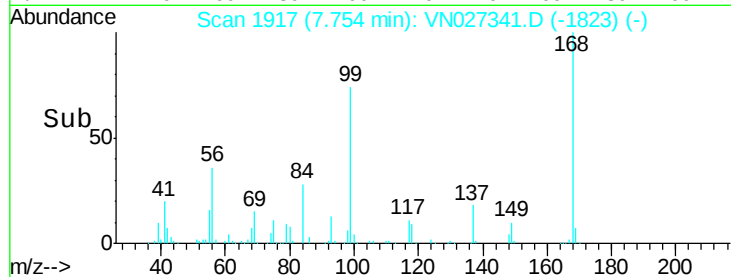
50000

0

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.78 ug/l

RT: 1.80 min Scan# 65

Delta R.T. 0.00 min

Lab File: VN027341.D

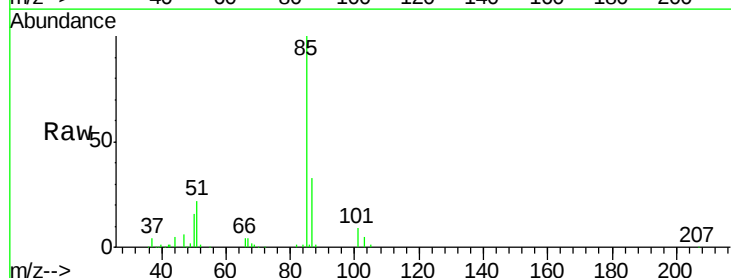
Acq: 21 Sep 2015 20:04

Tgt Ion: 85 Resp: 107437

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.80

80000

60000

40000

20000

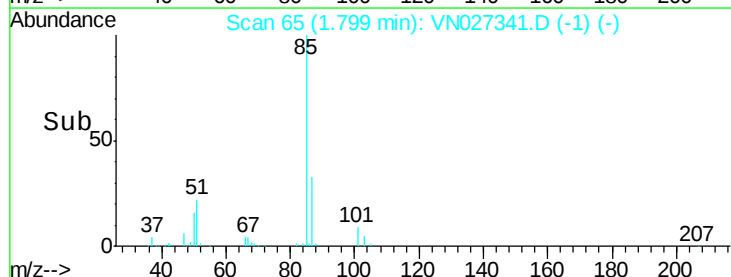
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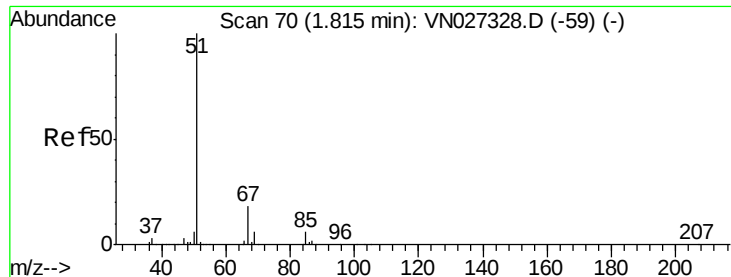
1.75

1.80

1.85

Time-->





#3

Chlorodifluoromethane

Concen: 18.98 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

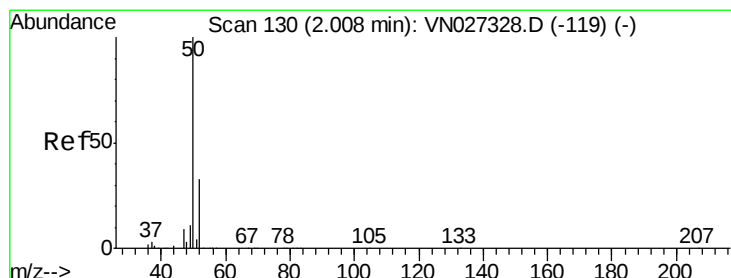
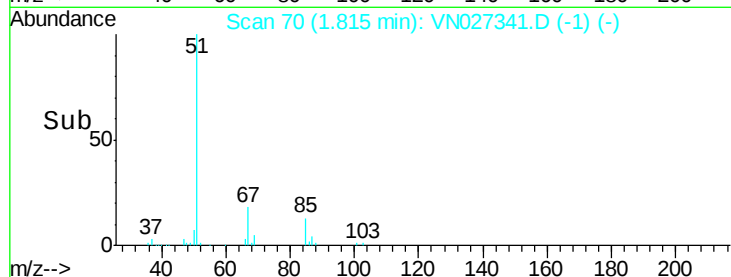
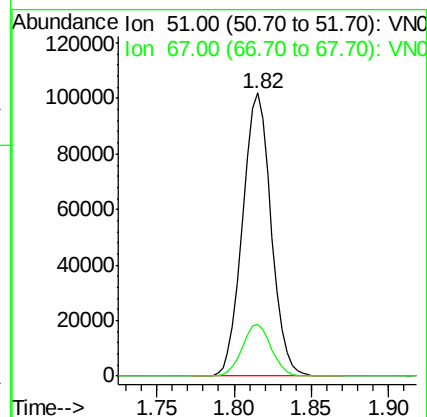
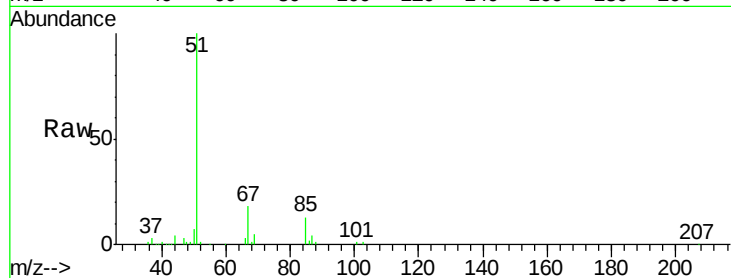
VN0921WBSD01

Tgt Ion: 51 Resp: 130494

Ion Ratio Lower Upper

51 100

67 18.6 12.2 18.2#



#4

Chloromethane

Concen: 19.83 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027341.D

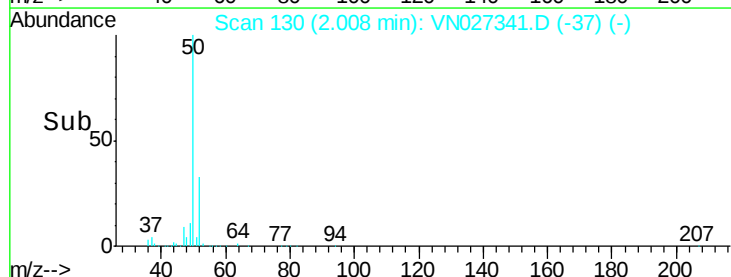
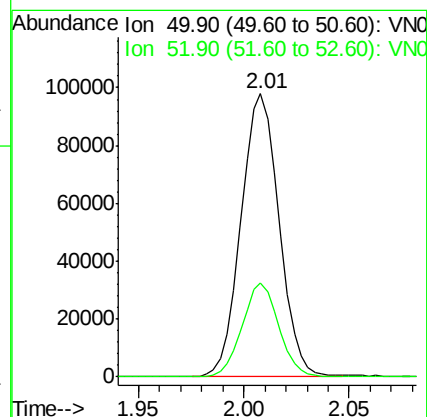
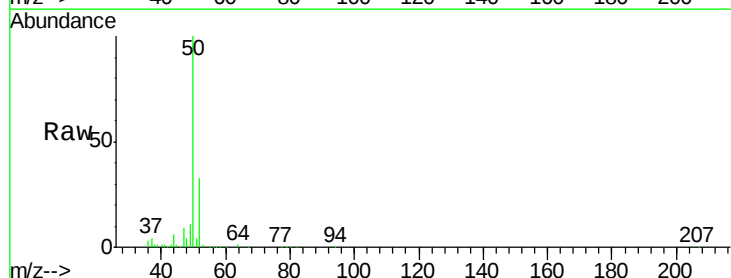
Acq: 21 Sep 2015 20:04

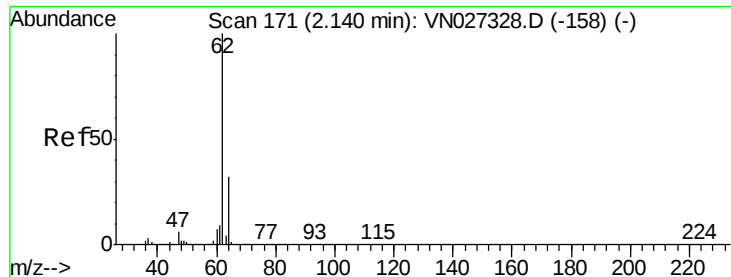
Tgt Ion: 50 Resp: 123370

Ion Ratio Lower Upper

50 100

52 33.4 25.9 38.9





#5

Vinyl Chloride

Concen: 19.51 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

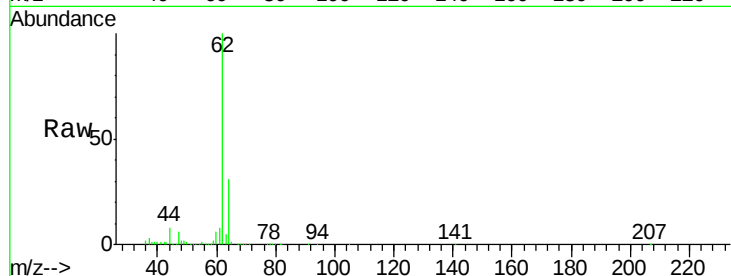
VN0921WBSD01

Tgt Ion: 62 Resp: 135417

Ion Ratio Lower Upper

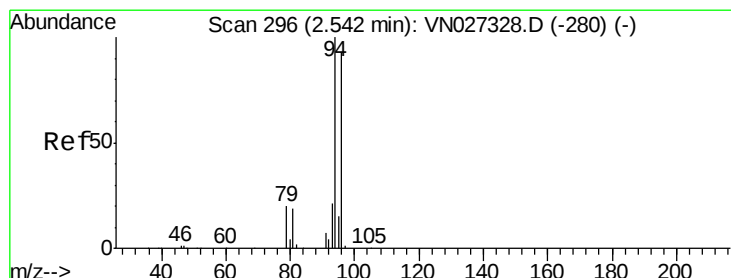
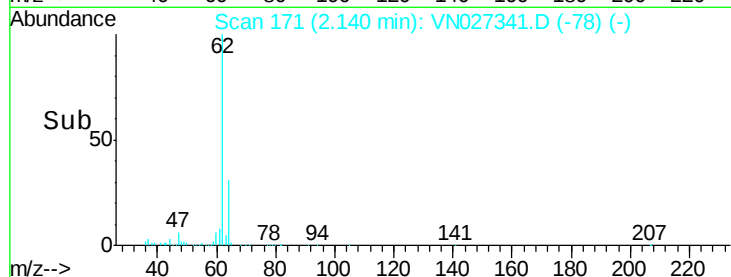
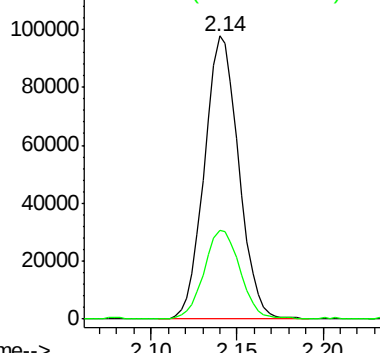
62 100

64 31.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#6

Bromomethane

Concen: 21.47 ug/l

RT: 2.54 min Scan# 297

Delta R.T. 0.00 min

Lab File: VN027341.D

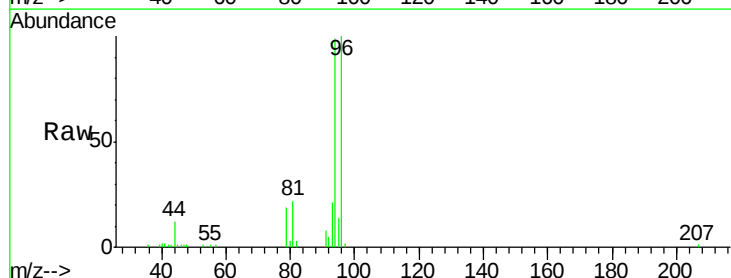
Acq: 21 Sep 2015 20:04

Tgt Ion: 94 Resp: 60676

Ion Ratio Lower Upper

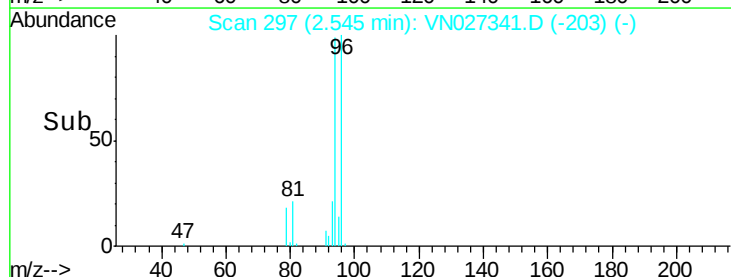
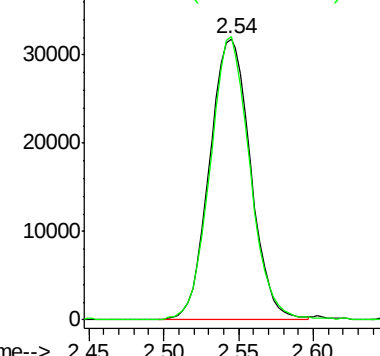
94 100

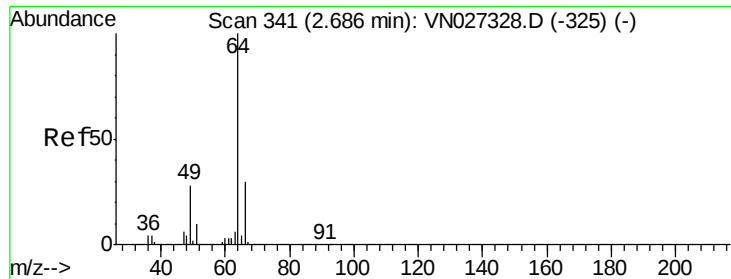
96 100.6 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#7

Chloroethane

Concen: 19.73 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

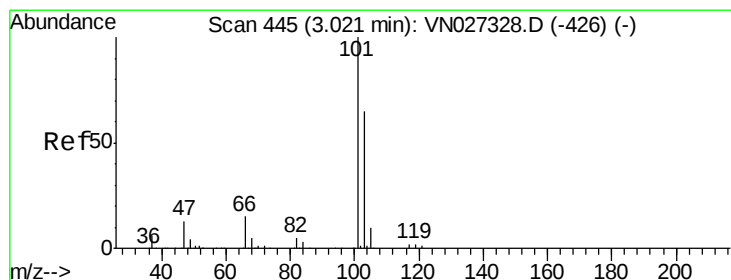
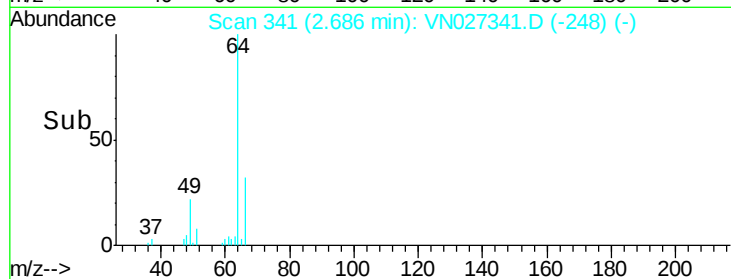
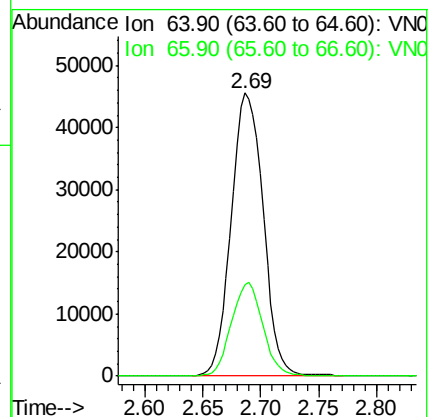
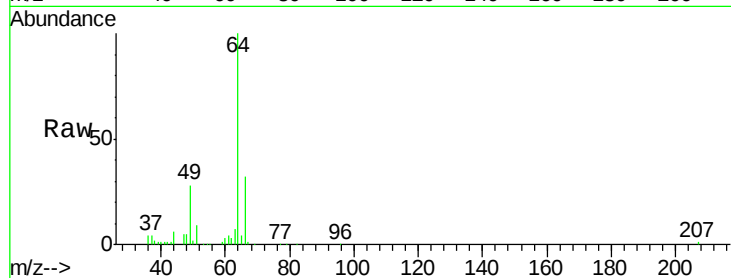
VN0921WBSD01

Tgt Ion: 64 Resp: 87077

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3



#8

Trichlorofluoromethane

Concen: 20.12 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027341.D

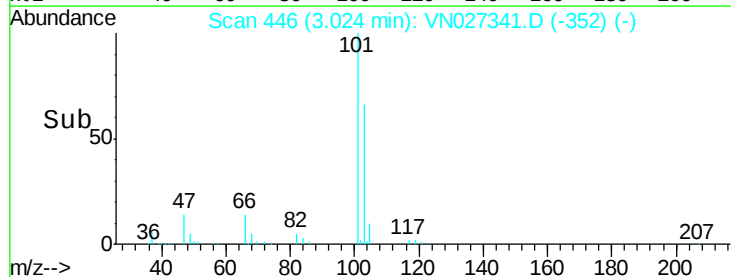
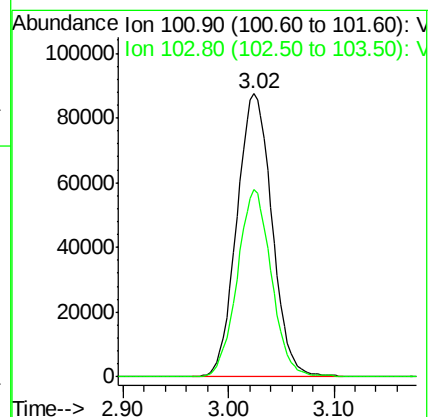
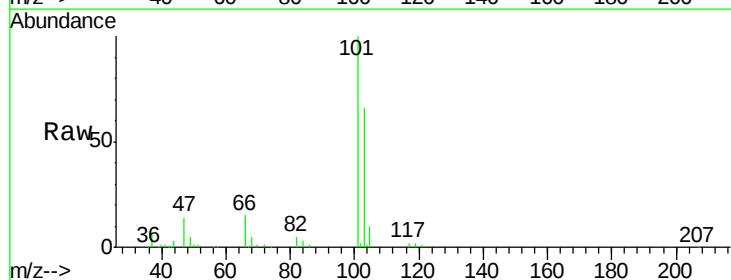
Acq: 21 Sep 2015 20:04

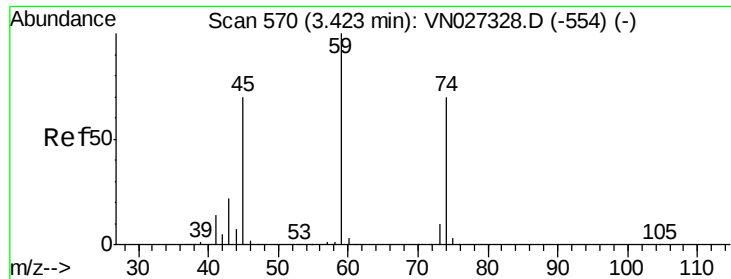
Tgt Ion: 101 Resp: 202832

Ion Ratio Lower Upper

101 100

103 66.0 52.6 79.0





#9

Diethyl Ether

Concen: 20.00 ug/l

RT: 3.43 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampled :

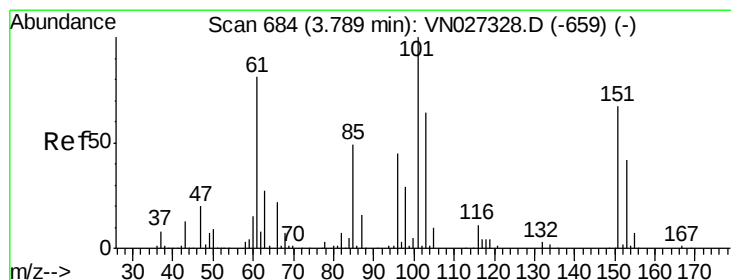
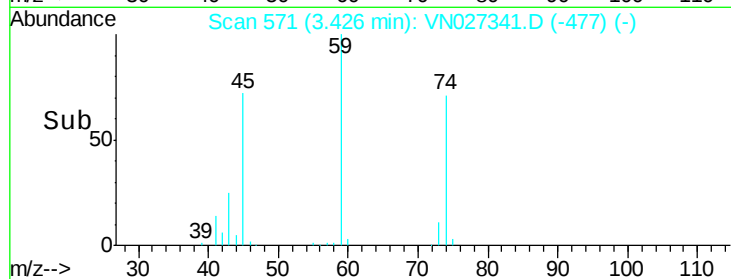
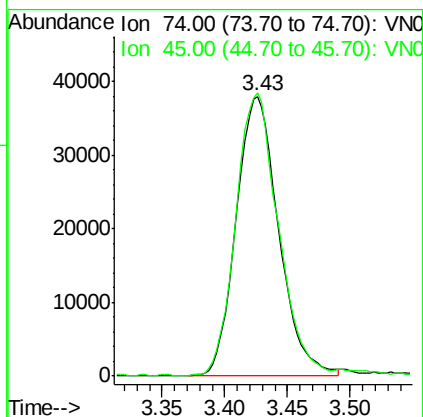
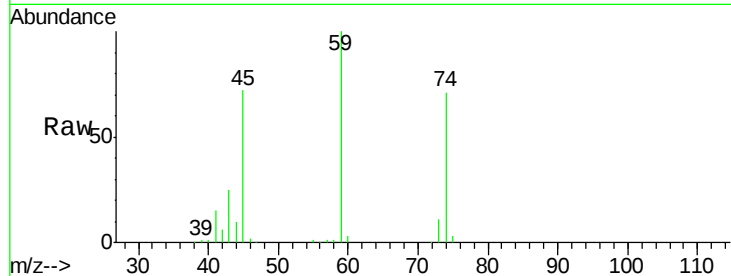
VN0921WBSD01

Tgt Ion: 74 Resp: 89576

Ion Ratio Lower Upper

74 100

45 101.5 58.1 174.3



#10

1,1,2-Trichlorotrifluoroethane

Concen: 19.90 ug/l

RT: 3.79 min Scan# 685

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

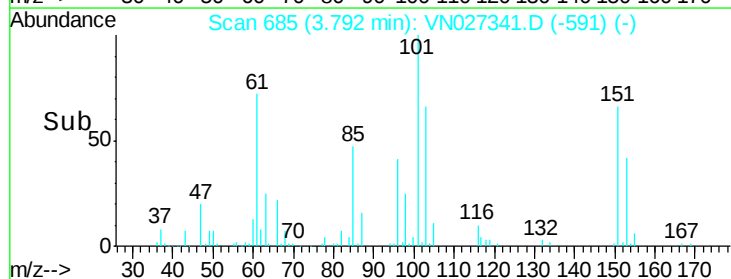
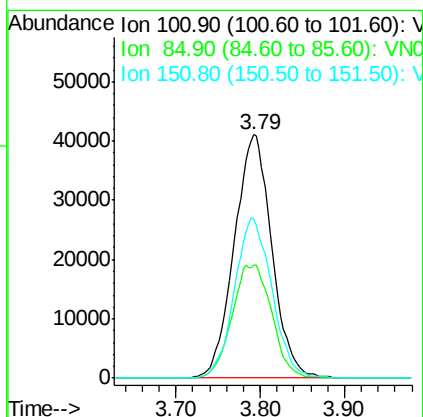
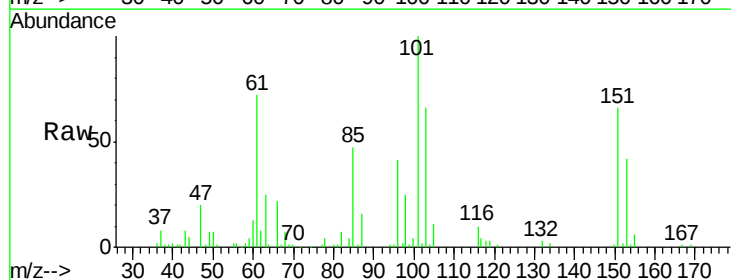
Tgt Ion: 101 Resp: 127233

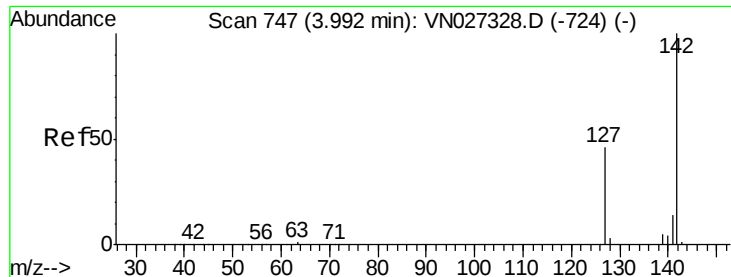
Ion Ratio Lower Upper

101 100

85 49.0 37.4 56.0

151 65.3 55.9 83.9

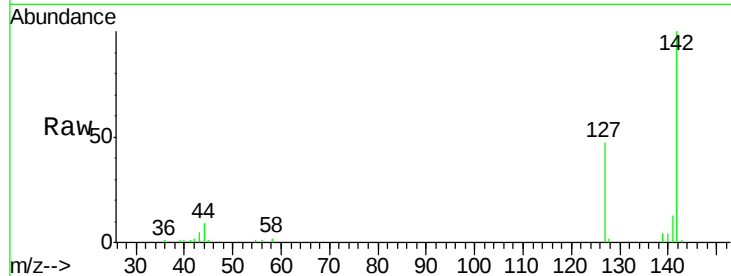




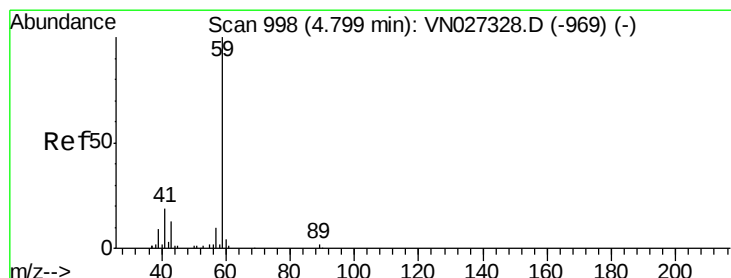
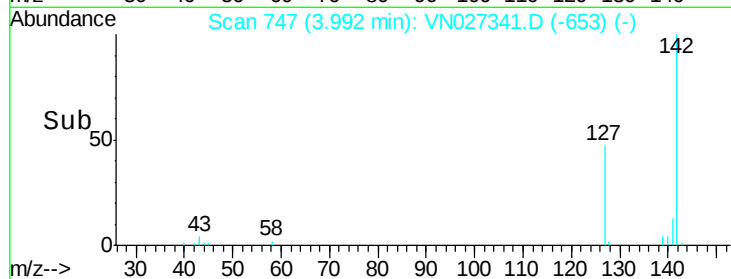
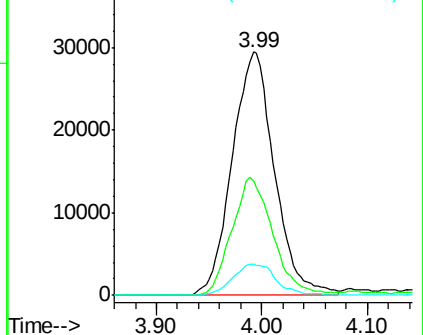
#11
Methyl Iodide
Concen: 18.15 ug/l
RT: 3.99 min Scan# 747
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tgt Ion:142 Resp: 82112
Ion Ratio Lower Upper
142 100
127 46.9 32.3 48.5
141 13.0 11.2 16.8

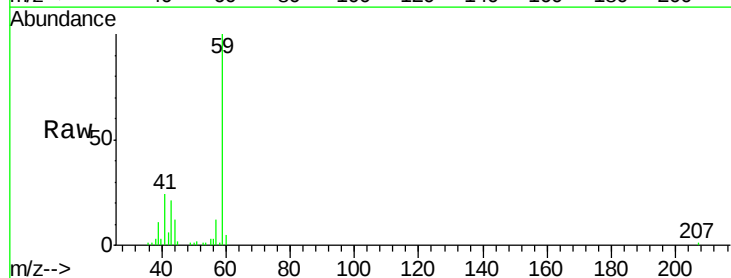


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

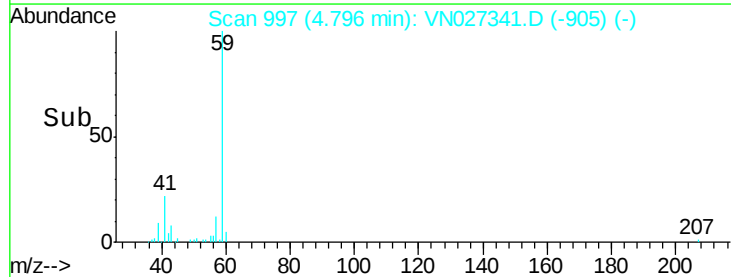
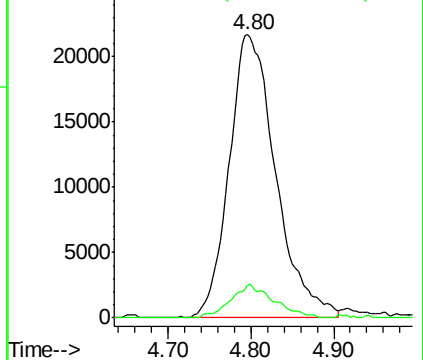


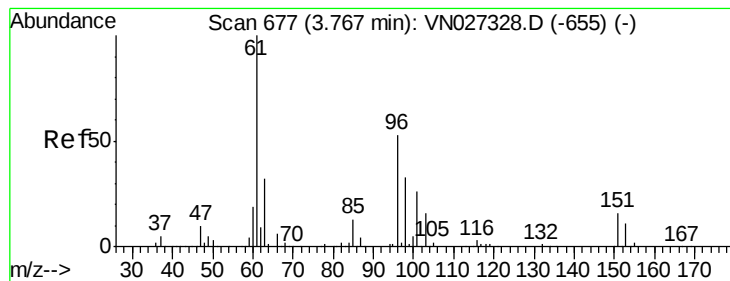
#12
Tert butyl alcohol
Concen: 103.61 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion: 59 Resp: 84661
Ion Ratio Lower Upper
59 100
57 11.1 7.6 11.4



Abundance Ion 59.00 (58.70 to 59.70): V
Ion 57.00 (56.70 to 57.70): V





#13

1,1-Dichloroethene

Concen: 20.32 ug/l

RT: 3.77 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

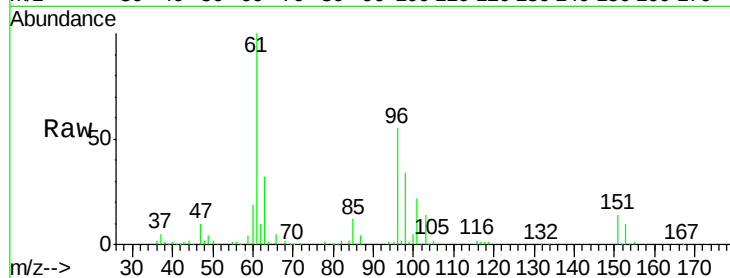
Tgt Ion: 96 Resp: 121403

Ion Ratio Lower Upper

96 100

61 182.5 143.8 215.8

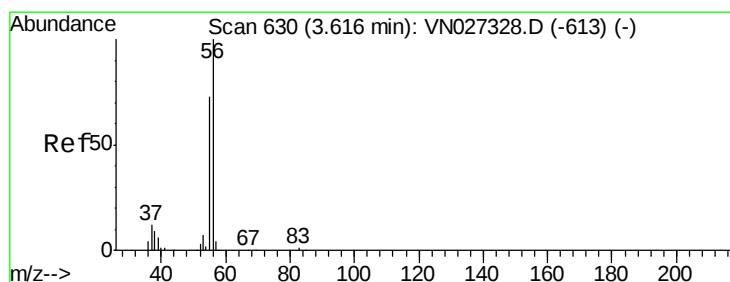
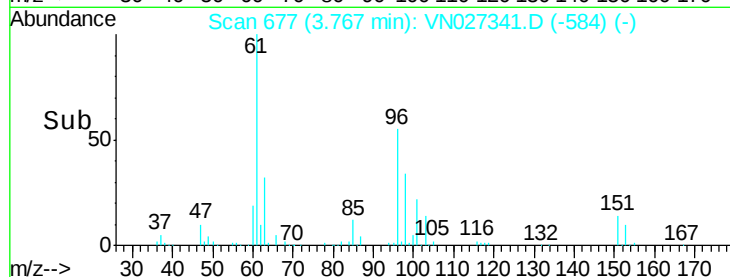
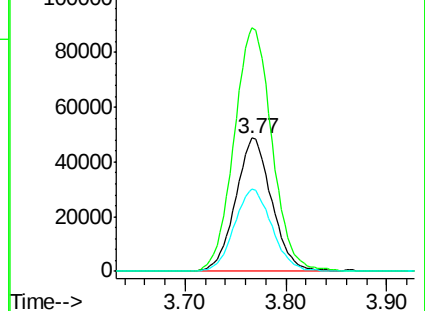
98 61.7 50.3 75.5



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



#14

Acrolein

Concen: 82.70 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN027341.D

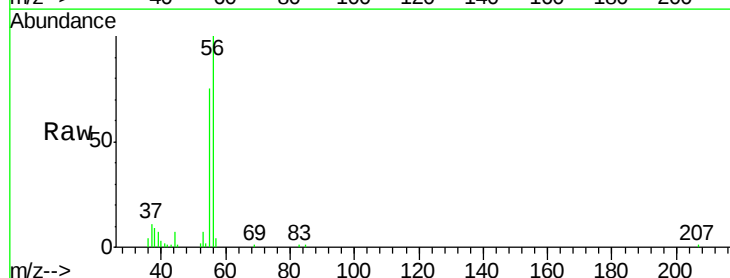
Acq: 21 Sep 2015 20:04

Tgt Ion: 56 Resp: 87609

Ion Ratio Lower Upper

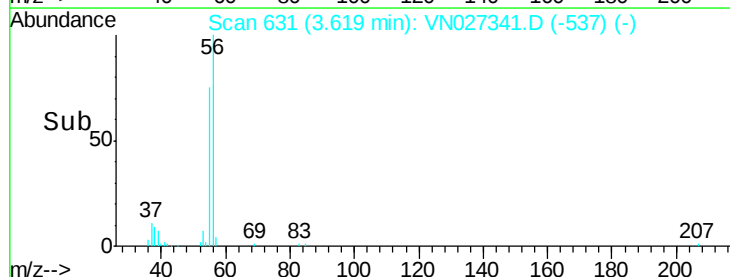
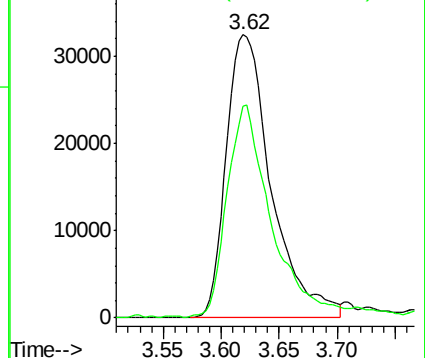
56 100

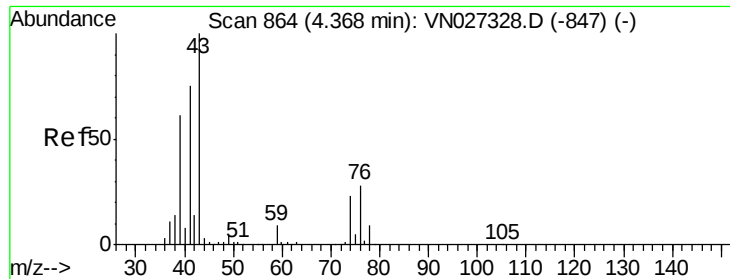
55 73.8 55.7 83.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

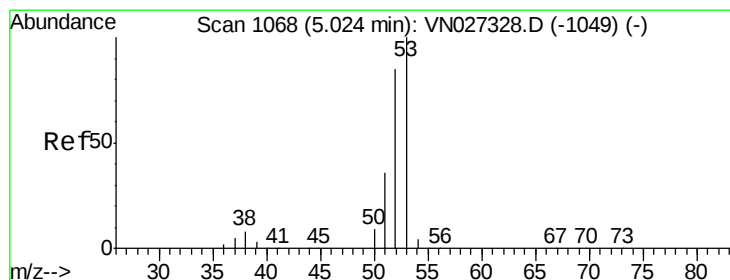
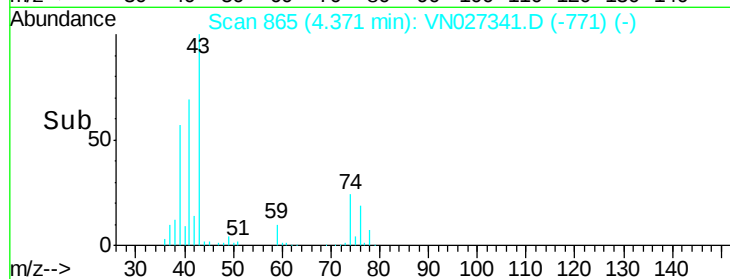
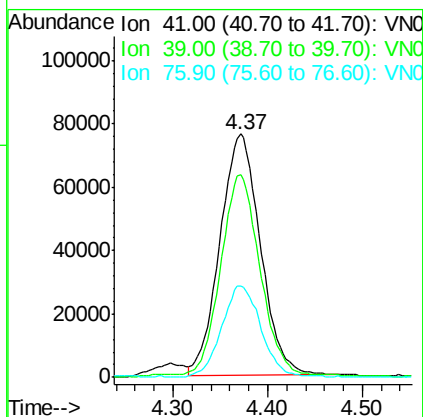
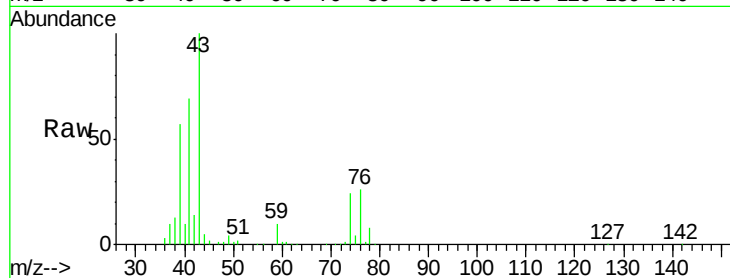




#15
 Allyl chloride
 Concen: 19.51 ug/l
 RT: 4.37 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

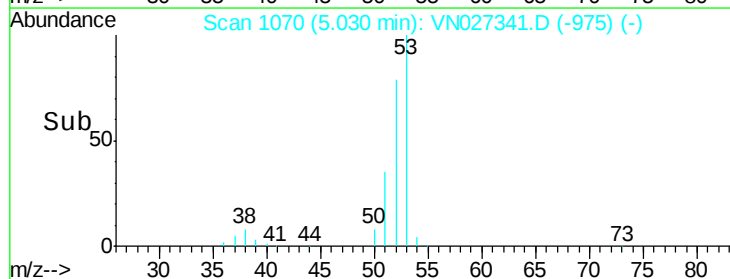
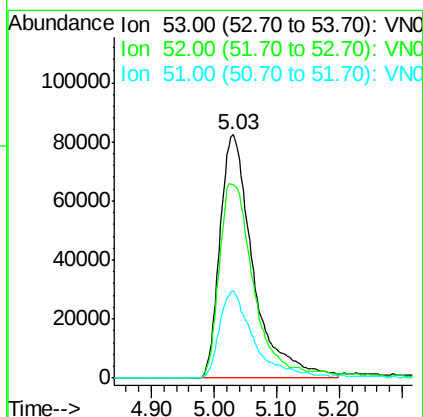
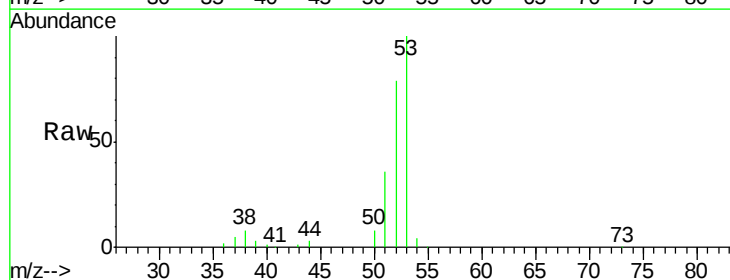
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

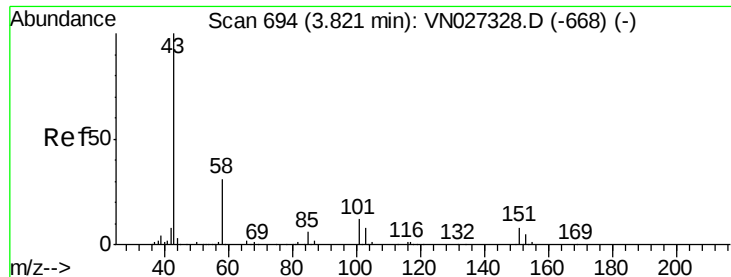
Tgt Ion: 41 Resp: 227335
 Ion Ratio Lower Upper
 41 100
 39 79.2 49.7 74.5#
 76 36.1 24.8 37.2



#16
 Acrylonitrile
 Concen: 102.31 ug/l
 RT: 5.03 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion: 53 Resp: 303554
 Ion Ratio Lower Upper
 53 100
 52 80.2 66.9 100.3
 51 34.8 27.4 41.0





#17

Acetone

Concen: 98.78 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

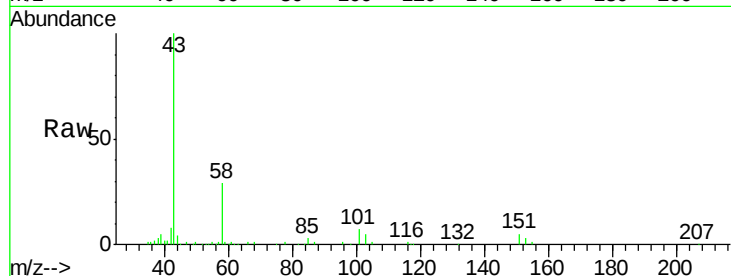
VN0921WBSD01

Tgt Ion: 43 Resp: 275256

Ion Ratio Lower Upper

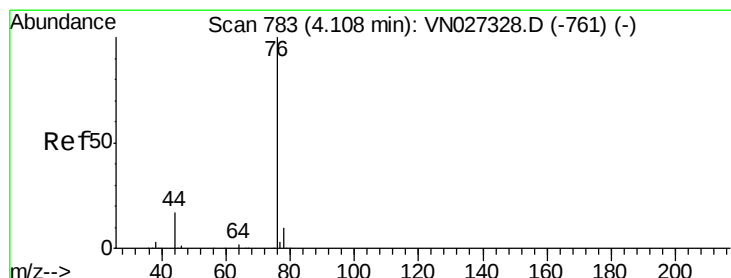
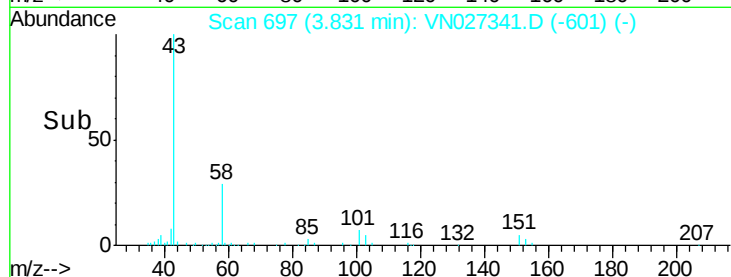
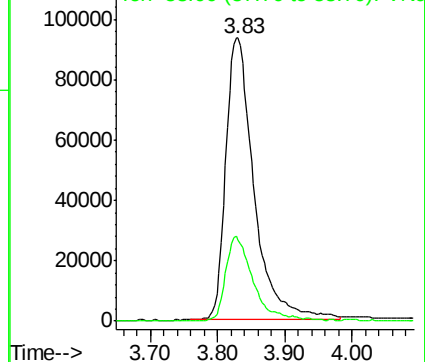
43 100

58 28.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Carbon Disulfide

Concen: 19.23 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027341.D

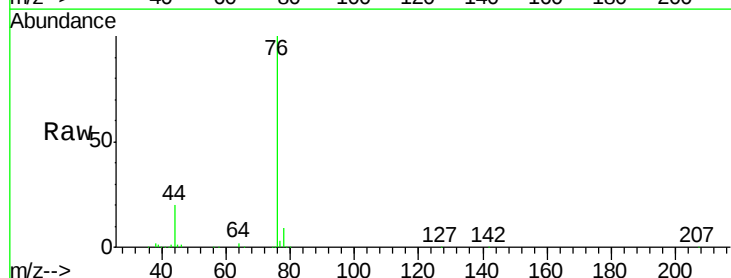
Acq: 21 Sep 2015 20:04

Tgt Ion: 76 Resp: 343934

Ion Ratio Lower Upper

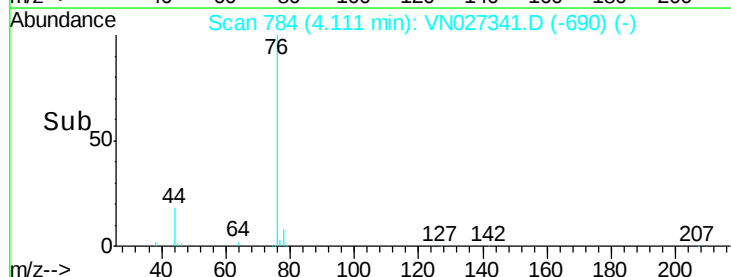
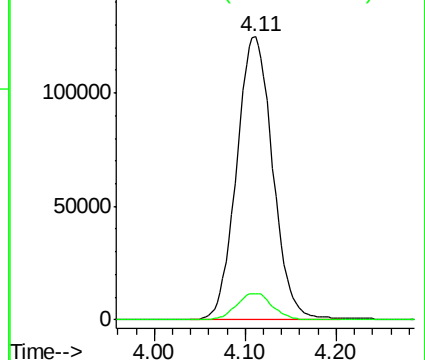
76 100

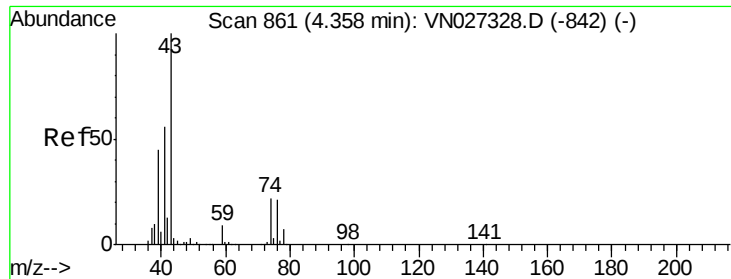
78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

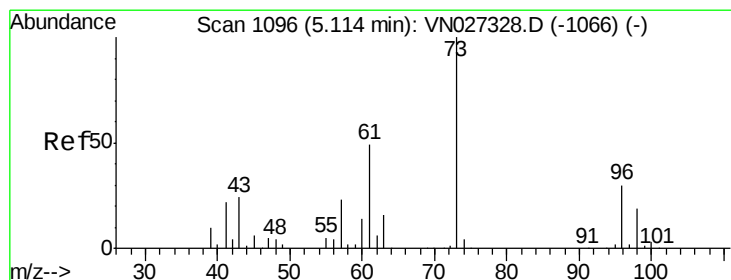
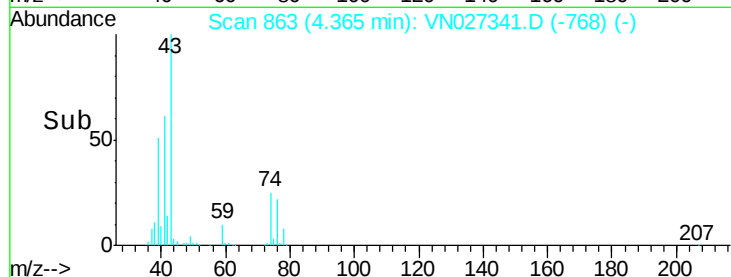
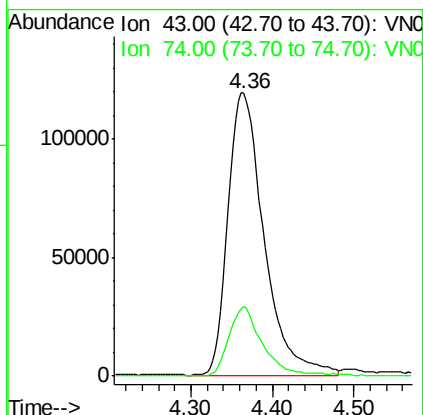
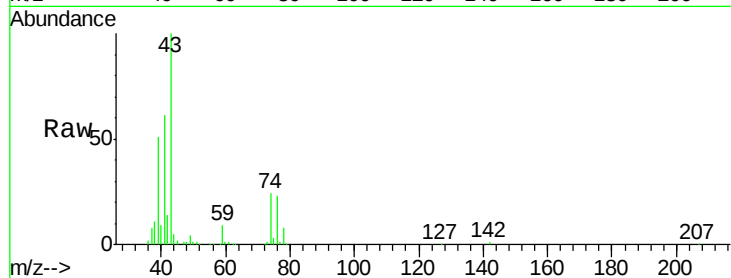




#19
Methyl Acetate
Concen: 21.35 ug/l
RT: 4.36 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

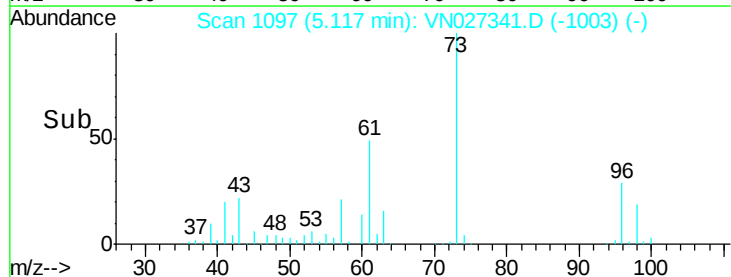
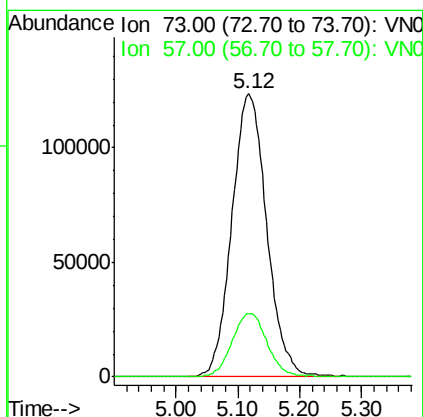
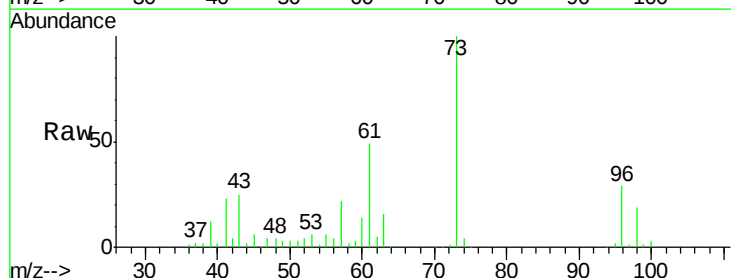
Instrument :
MSVOA_N
ClientSampled :
VN0921WBSD01

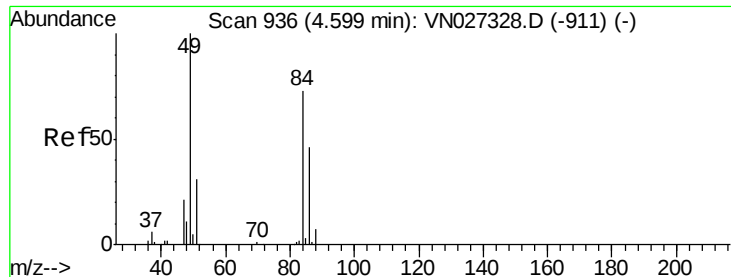
Tgt Ion: 43 Resp: 369096
Ion Ratio Lower Upper
43 100
74 22.5 16.2 24.2



#20
Methyl tert-butyl Ether
Concen: 20.26 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion: 73 Resp: 483260
Ion Ratio Lower Upper
73 100
57 22.4 19.8 29.6





#21

Methylene Chloride

Concen: 19.92 ug/l

RT: 4.60 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tgt Ion: 84 Resp: 147787

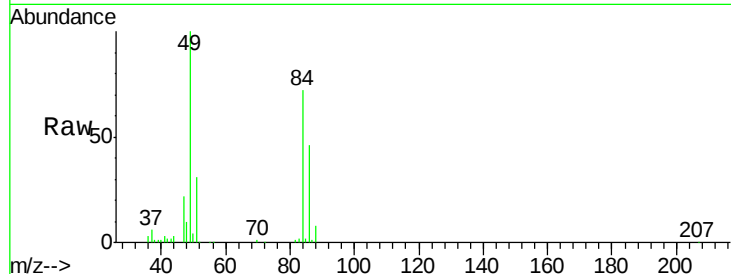
Ion Ratio Lower Upper

84 100

49 138.6 112.3 168.5

51 42.5 33.8 50.8

86 63.8 48.2 72.4

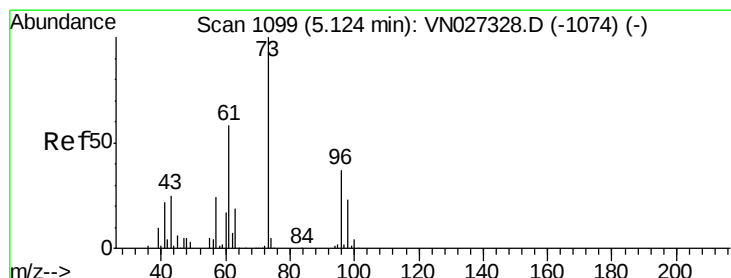
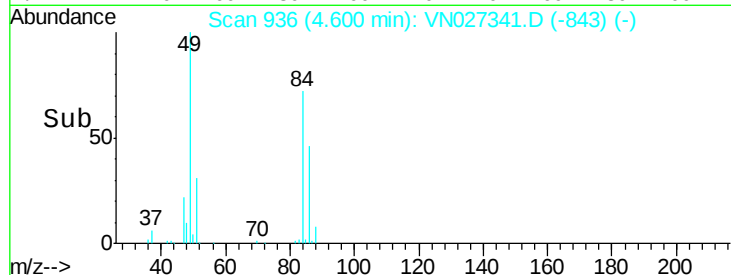
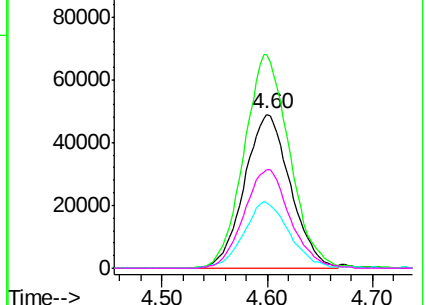


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#22

trans-1,2-Dichloroethene

Concen: 19.44 ug/l

RT: 5.13 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

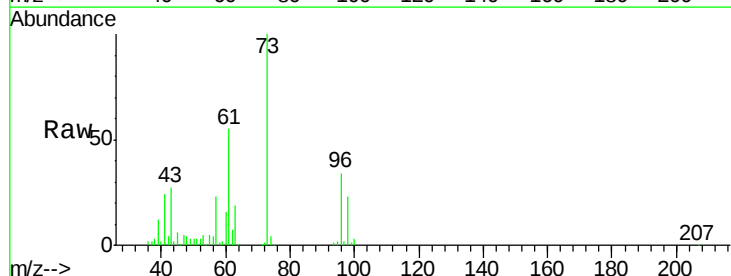
Tgt Ion: 96 Resp: 127693

Ion Ratio Lower Upper

96 100

61 164.7 126.6 189.8

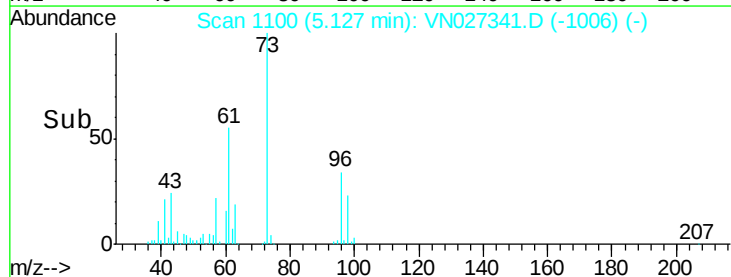
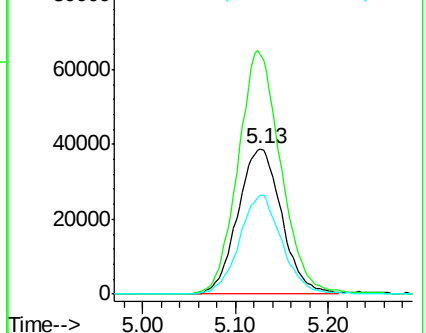
98 68.0 47.4 71.2

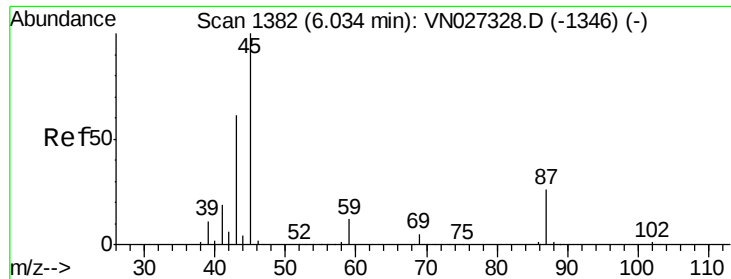


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

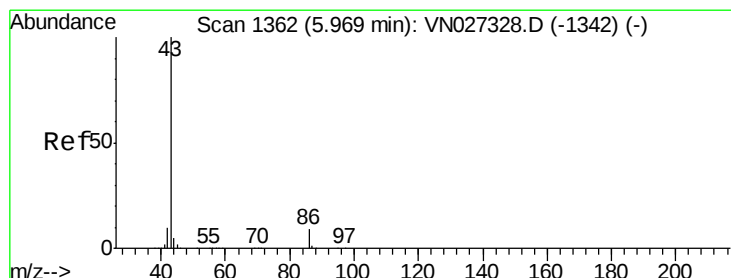
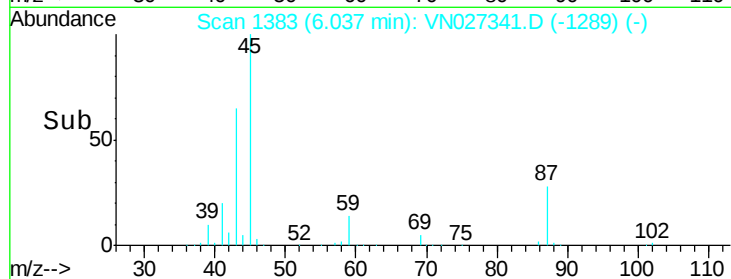
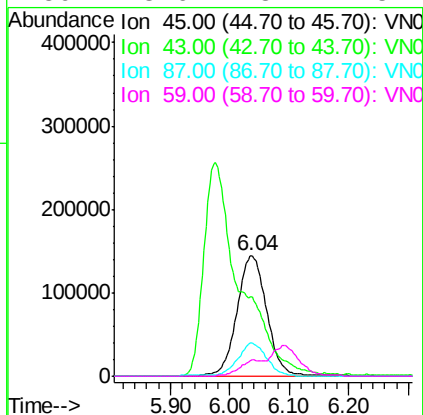
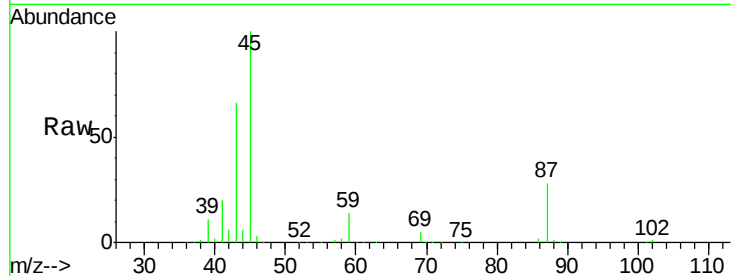




#23
Diisopropyl ether
Concen: 19.98 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

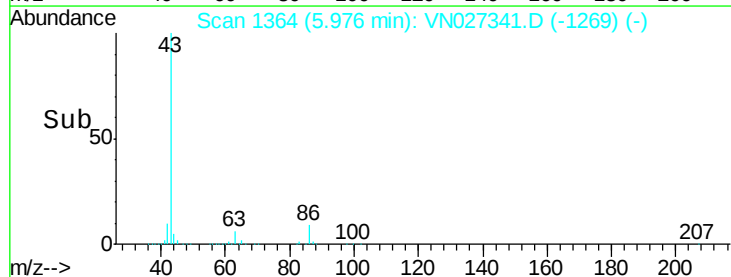
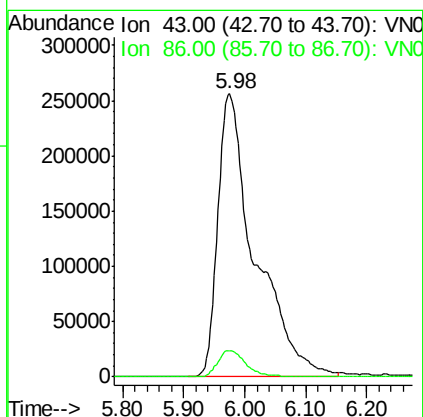
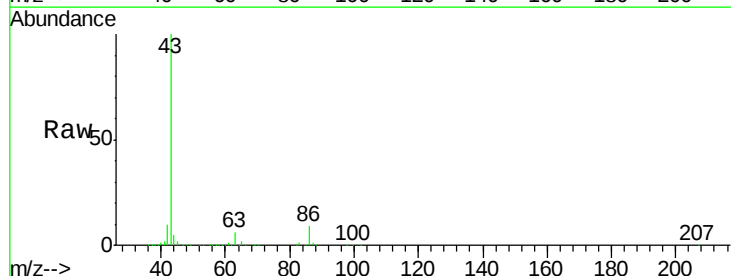
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

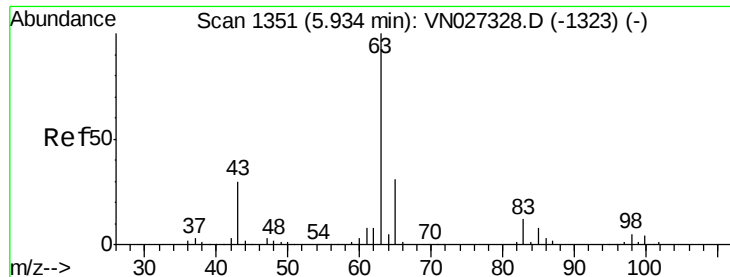
Tgt Ion:	45	Resp:	506265
Ion	Ratio	Lower	Upper
45	100		
43	64.0	41.0	61.6#
87	27.8	17.5	26.3#
59	13.6	8.7	13.1#



#24
Vinyl Acetate
Concen: 131.87 ug/l
RT: 5.98 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion:	43	Resp:	1083007
Ion	Ratio	Lower	Upper
43	100		
86	9.2	6.9	10.3





#25

1,1-Dichloroethane

Concen: 19.96 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

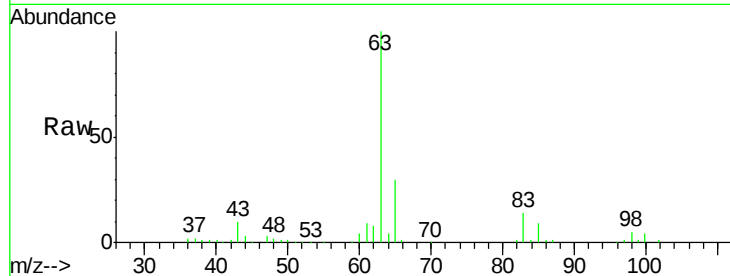
Tgt Ion: 63 Resp: 294832

Ion Ratio Lower Upper

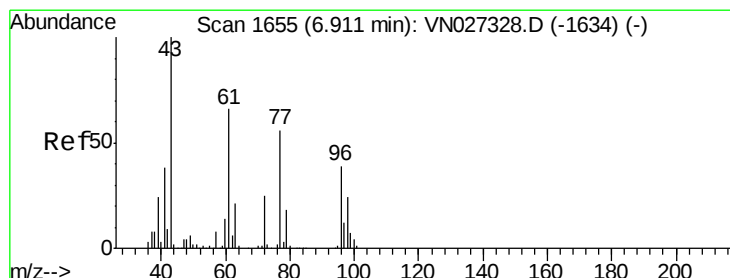
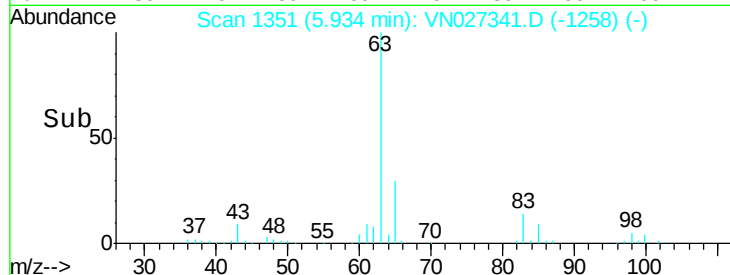
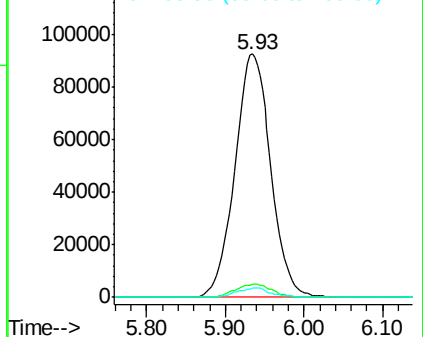
63 100

98 5.2 2.8 8.3

100 3.7 1.7 5.0



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



#26

2-Butanone

Concen: 104.15 ug/l

RT: 6.92 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VN027341.D

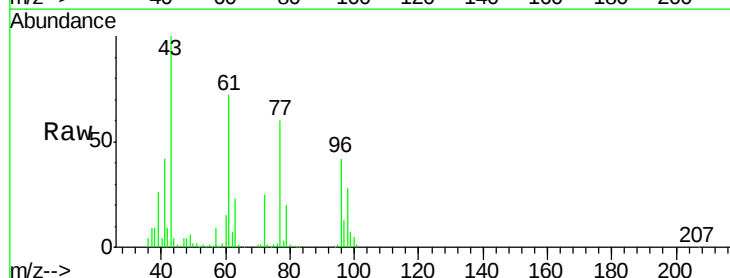
Acq: 21 Sep 2015 20:04

Tgt Ion: 43 Resp: 380062

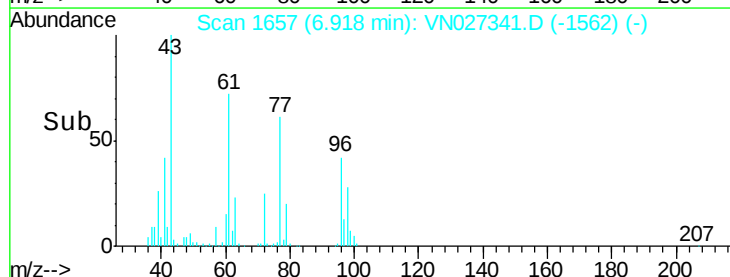
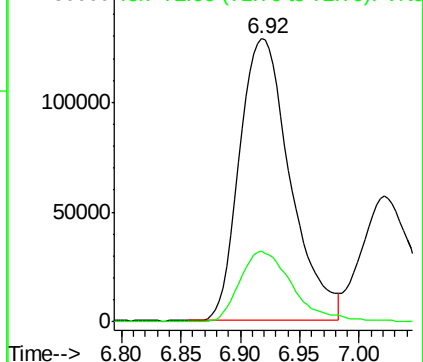
Ion Ratio Lower Upper

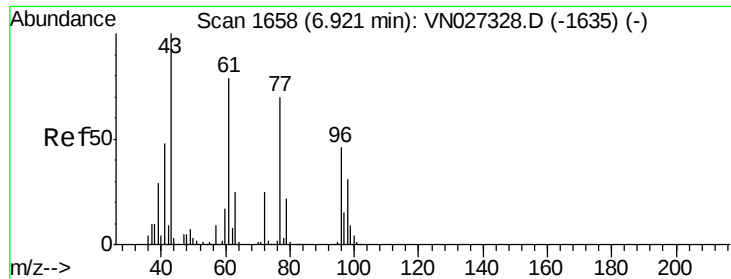
43 100

72 25.0 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

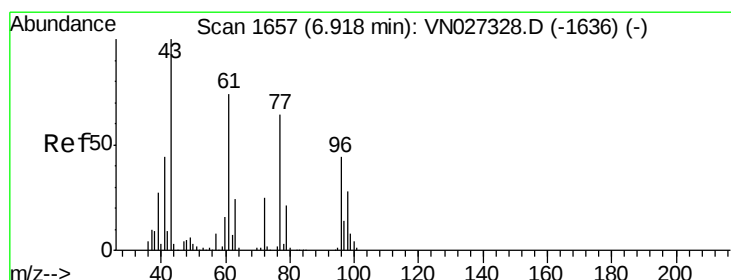
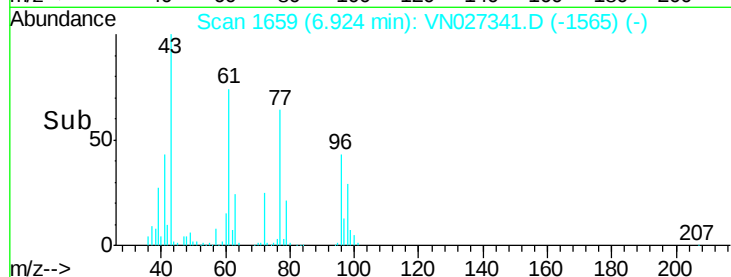
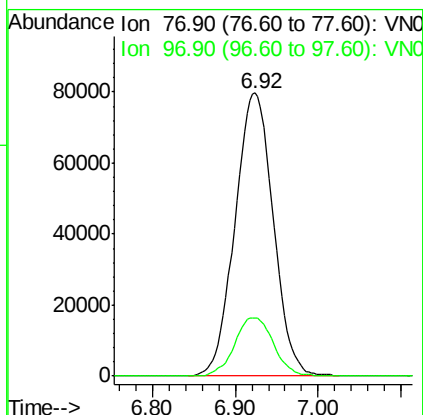
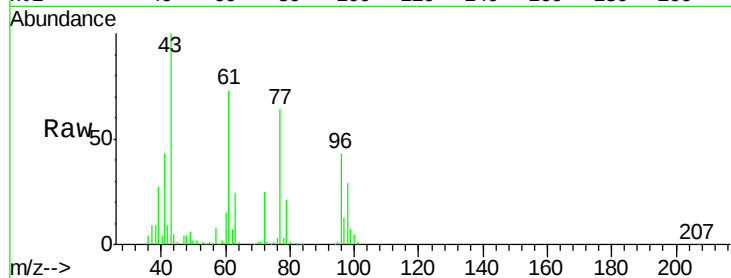




#27
 2,2-Dichloropropane
 Concen: 20.08 ug/l
 RT: 6.92 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

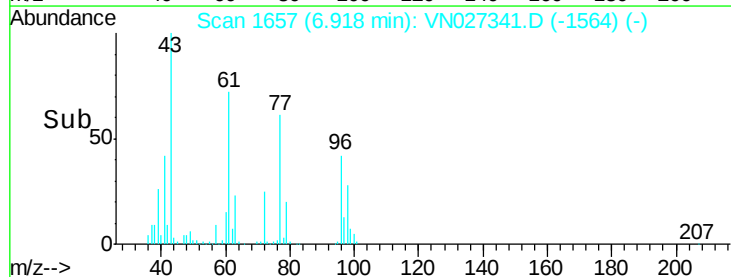
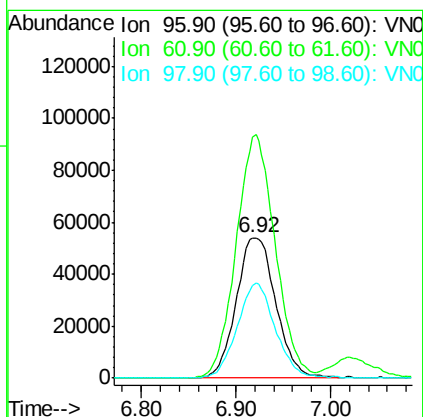
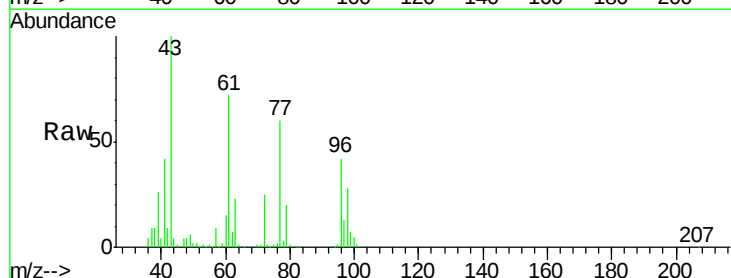
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

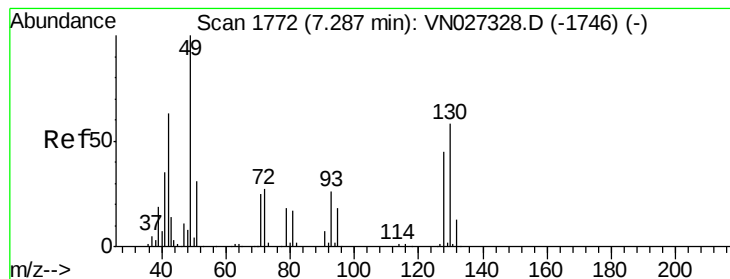
Tgt Ion: 77 Resp: 255569
 Ion Ratio Lower Upper
 77 100
 97 20.9 11.8 35.3



#28
 cis-1,2-Dichloroethene
 Concen: 20.27 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion: 96 Resp: 157310
 Ion Ratio Lower Upper
 96 100
 61 170.7 0.0 329.2
 98 65.0 0.0 126.0





#29

Bromochloromethane

Concen: 22.08 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

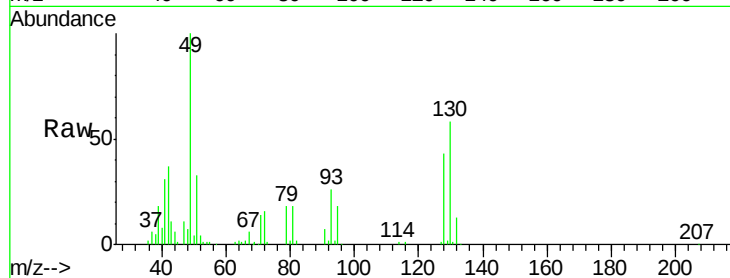
Tgt Ion: 49 Resp: 127936

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.2

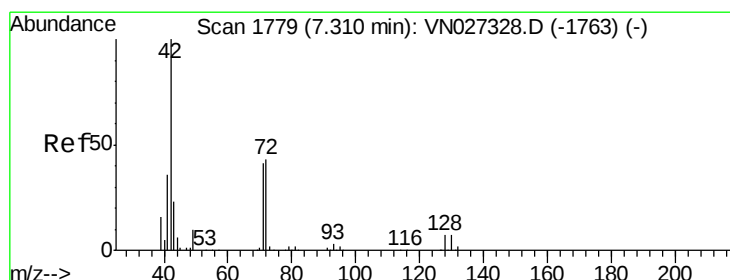
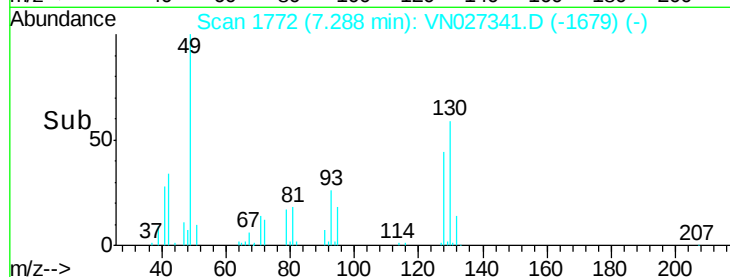
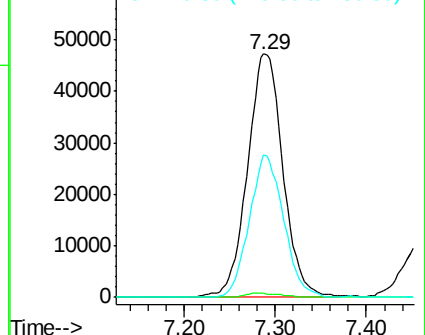
130 56.5 43.2 64.8



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN0

Ion 129.80 (129.50 to 130.50): VN0



#30

Tetrahydrofuran

Concen: 105.67 ug/l

RT: 7.32 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

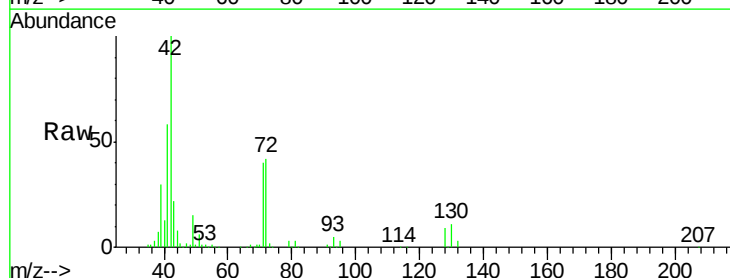
Tgt Ion: 42 Resp: 244427

Ion Ratio Lower Upper

42 100

72 44.1 29.9 44.9

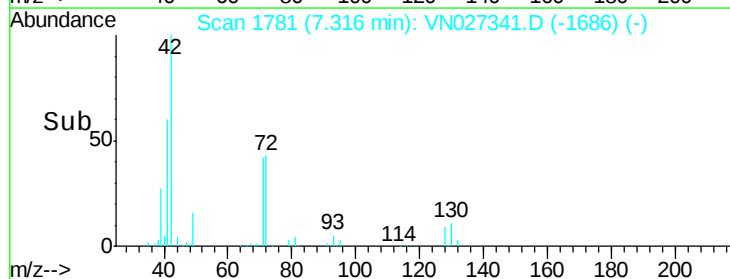
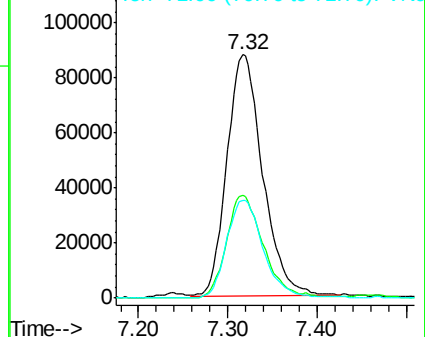
71 41.5 28.3 42.5

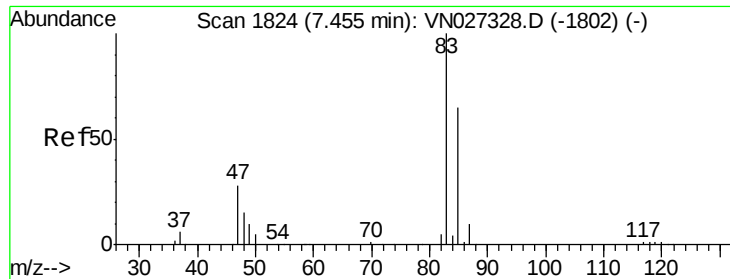


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

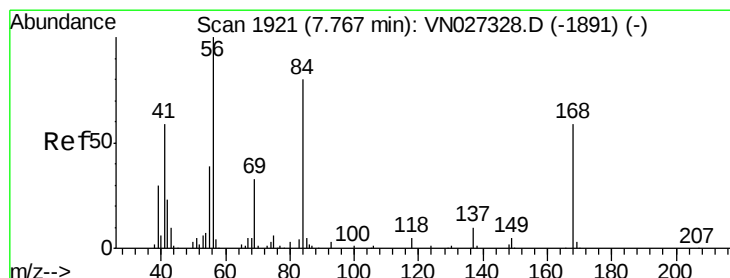
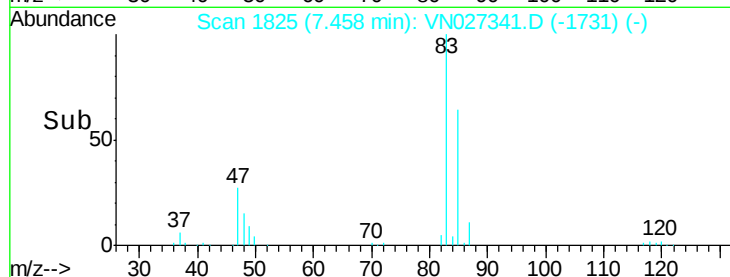
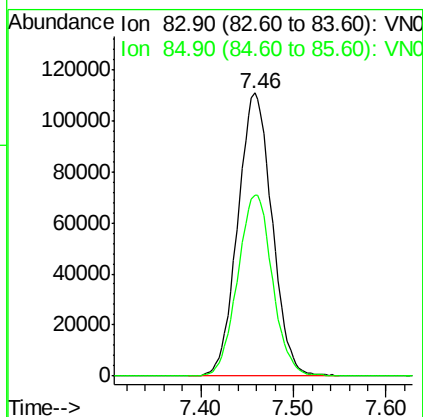
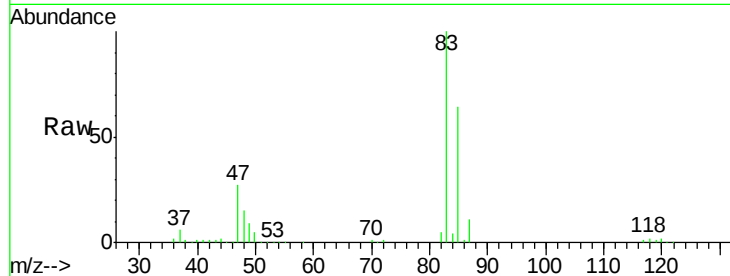




#31
Chloroform
Concen: 20.49 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

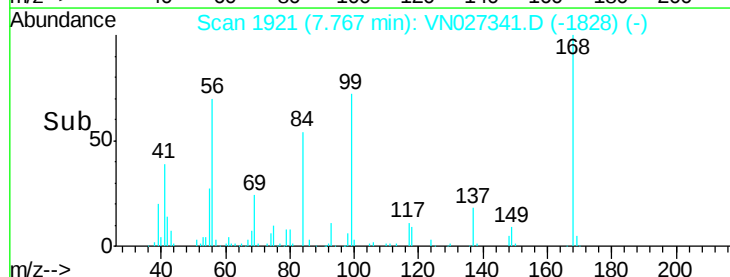
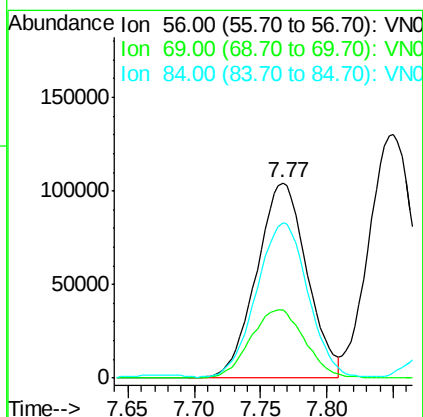
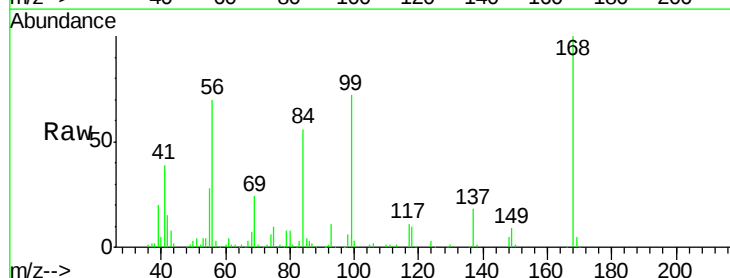
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

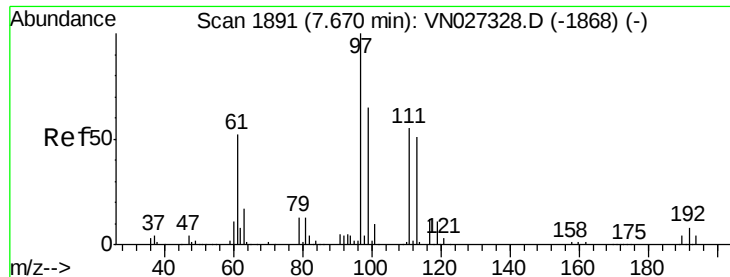
Tgt Ion: 83 Resp: 284282
Ion Ratio Lower Upper
83 100
85 64.0 51.1 76.7



#32
Cyclohexane
Concen: 20.16 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion: 56 Resp: 277087
Ion Ratio Lower Upper
56 100
69 34.8 23.0 34.4#
84 78.8 57.8 86.8

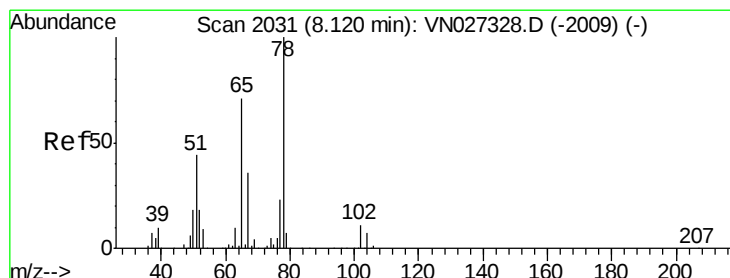
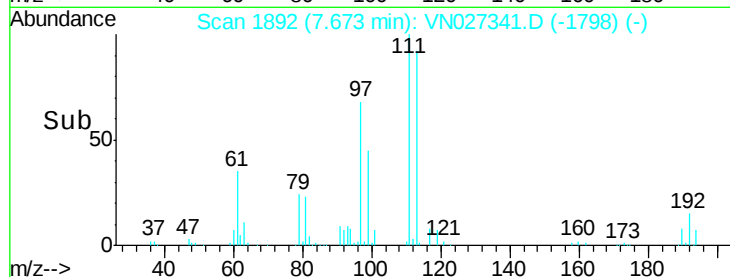
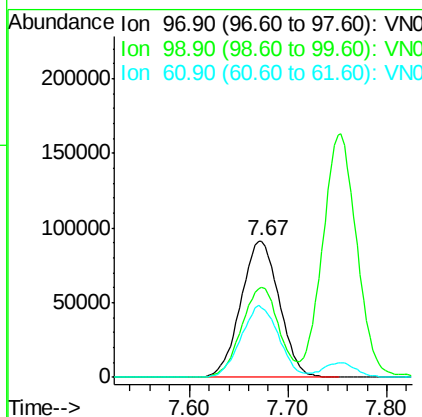
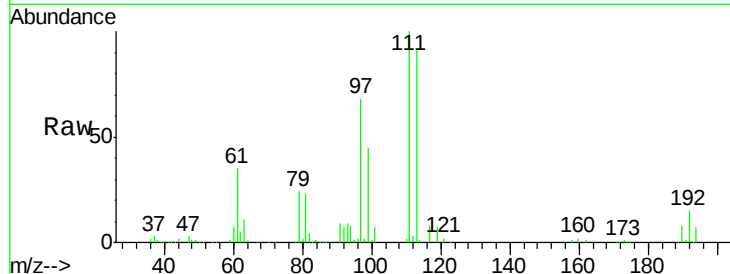




#33
 1,1,1-Trichloroethane
 Concen: 20.04 ug/l
 RT: 7.67 min Scan# 1892
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

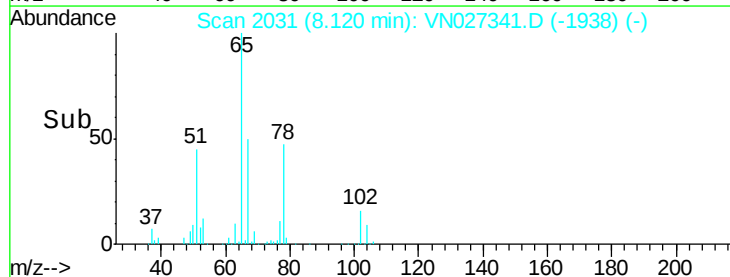
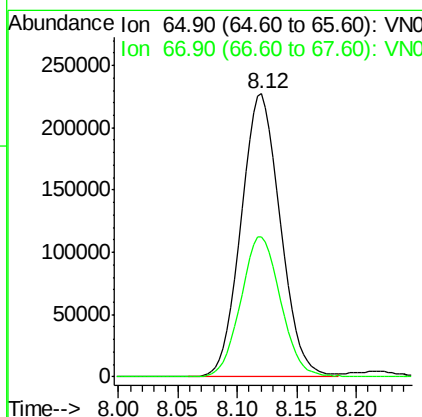
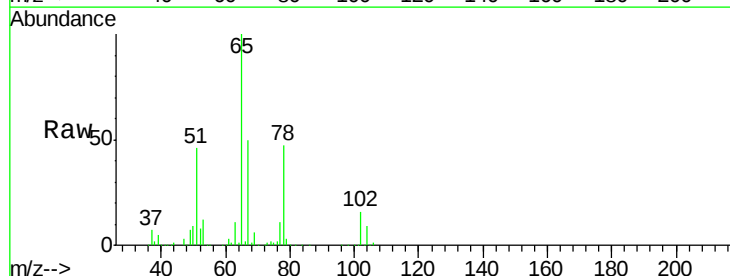
Instrument :
 MSVOA_N
 ClientSampled :
 VN0921WBSD01

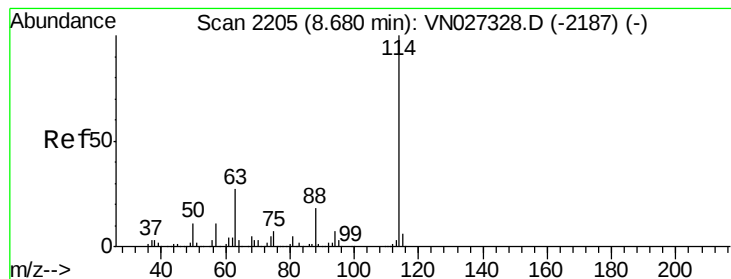
Tgt Ion: 97 Resp: 246281
 Ion Ratio Lower Upper
 97 100
 99 64.0 50.1 75.1
 61 51.6 44.0 66.0



#34
 1,2-Dichloroethane-d4
 Concen: 50.81 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion: 65 Resp: 520427
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 110.6





#35

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

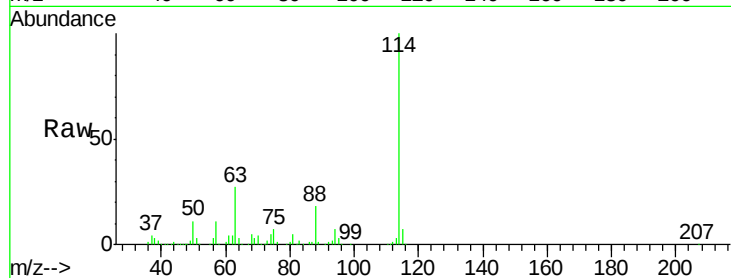
Tgt Ion:114 Resp: 997397

Ion Ratio Lower Upper

114 100

63 26.8 0.0 48.8

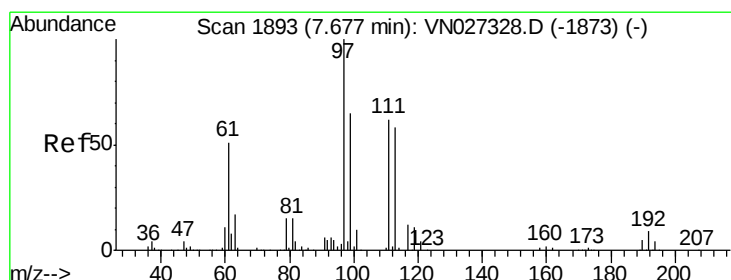
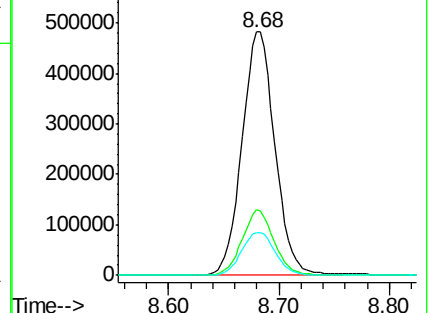
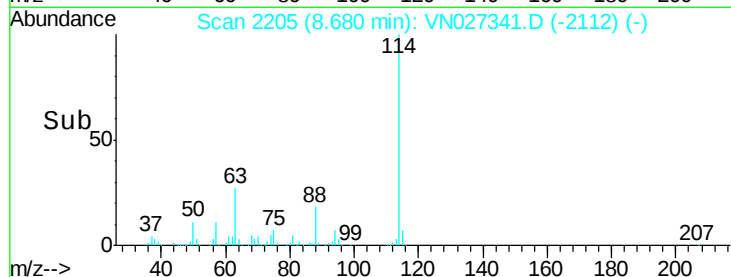
88 17.7 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#36

Dibromofluoromethane

Concen: 49.92 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

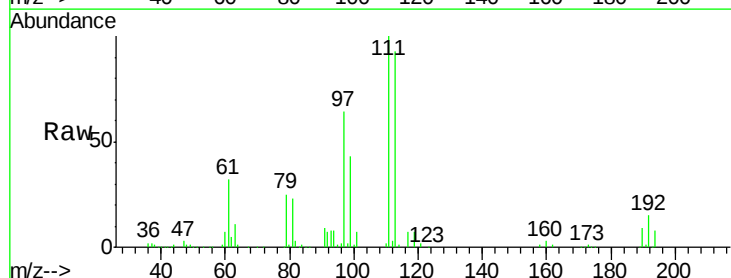
Tgt Ion:113 Resp: 324901

Ion Ratio Lower Upper

113 100

111 105.2 83.0 124.4

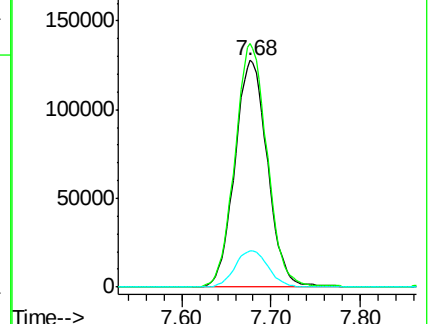
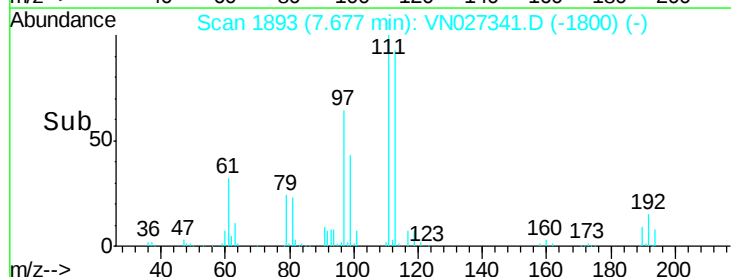
192 16.3 14.1 21.1

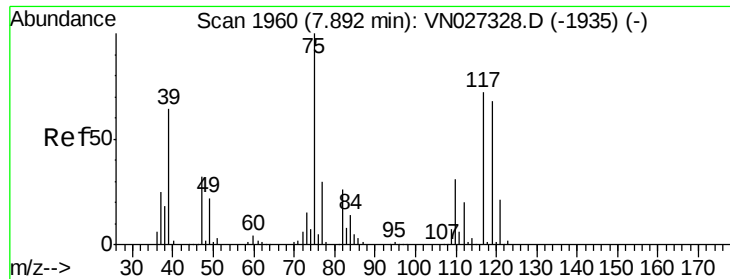


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

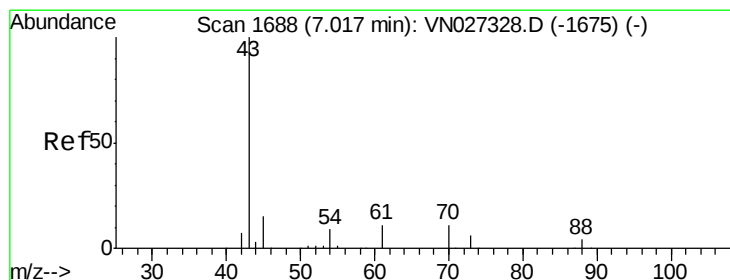
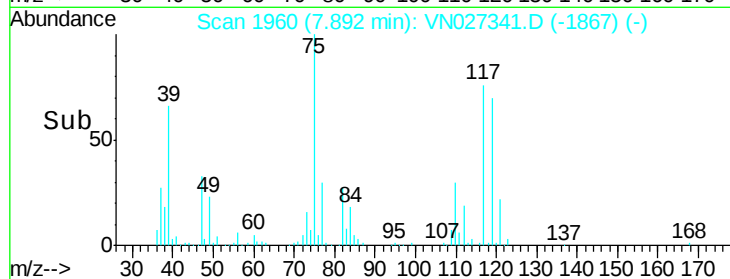
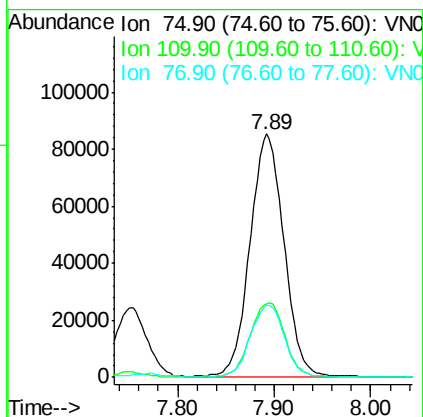
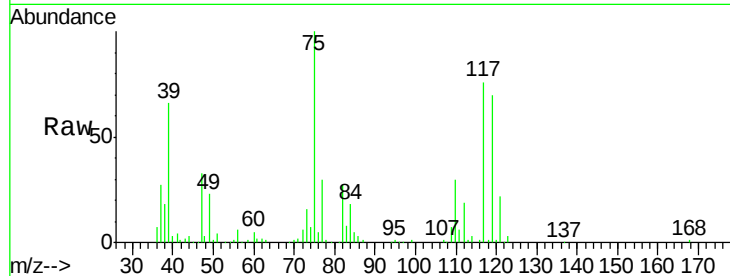




#37
 1,1-Dichloropropene
 Concen: 19.28 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

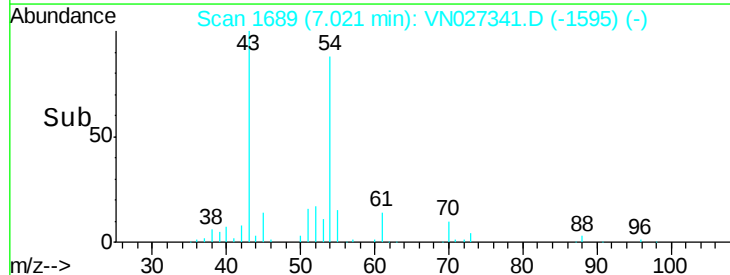
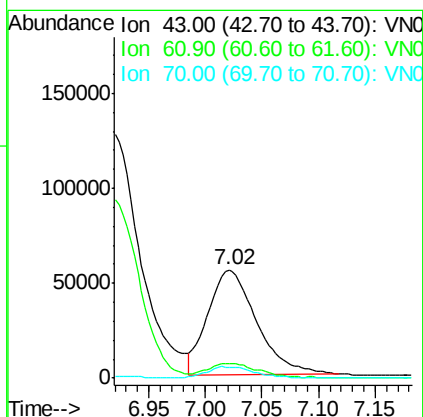
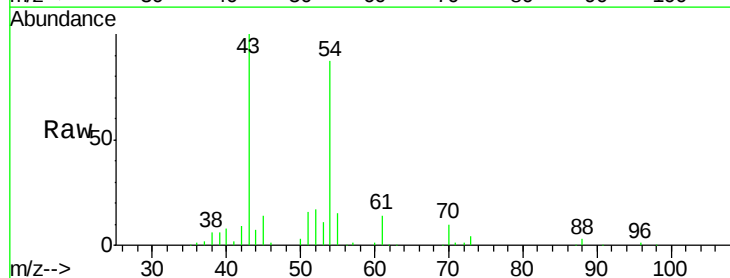
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

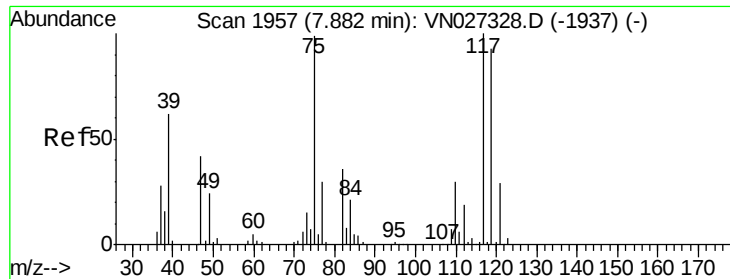
Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.4	15.9	47.7
77	29.4	24.9	37.3



#38
 Ethyl Acetate
 Concen: 20.10 ug/l
 RT: 7.02 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.4
70	10.6	7.4	11.0





#39

Carbon Tetrachloride

Concen: 19.52 ug/l

RT: 7.88 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampled :

VN0921WBSD01

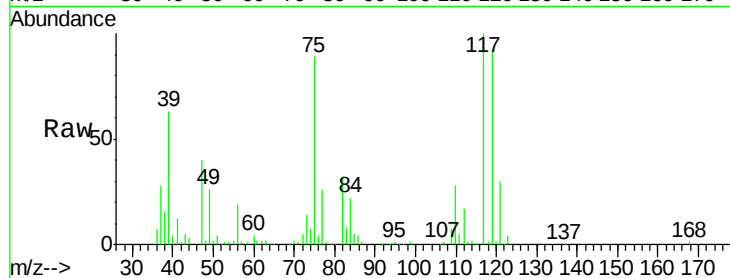
Tgt Ion:117 Resp: 197448

Ion Ratio Lower Upper

117 100

119 91.6 75.3 112.9

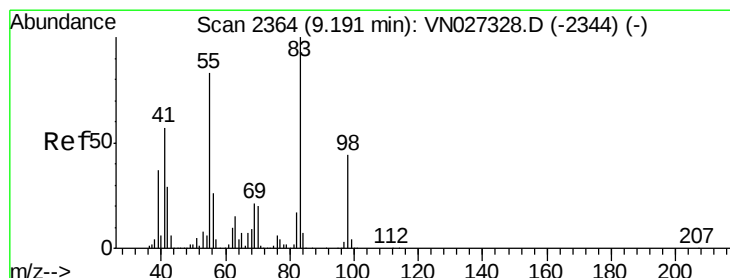
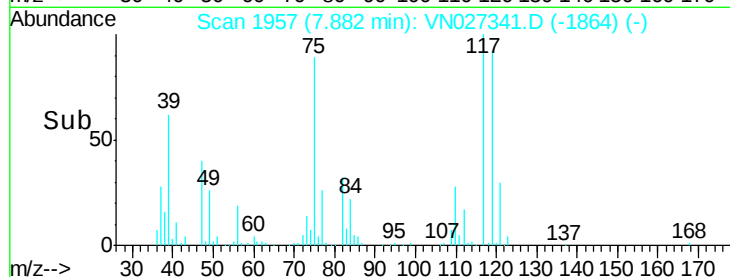
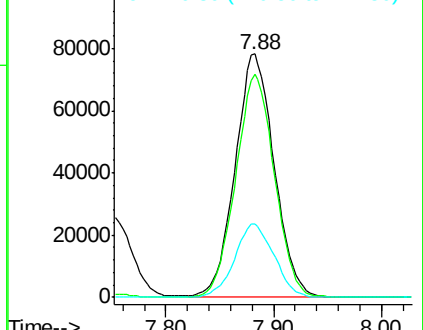
121 30.4 23.8 35.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Methylcyclohexane

Concen: 19.18 ug/l

RT: 9.19 min Scan# 2364

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

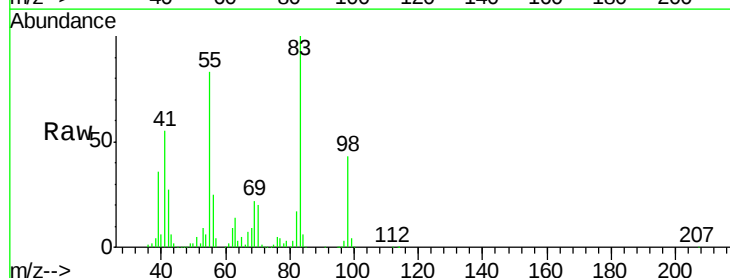
Tgt Ion: 83 Resp: 244861

Ion Ratio Lower Upper

83 100

55 82.9 69.8 104.8

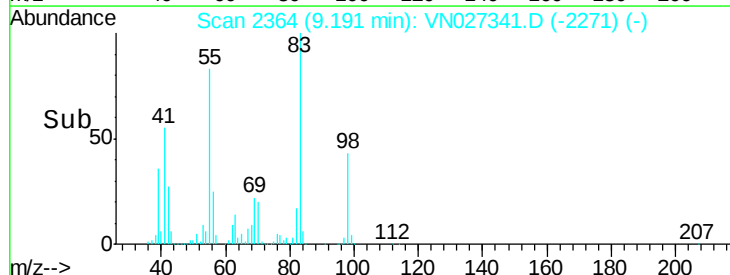
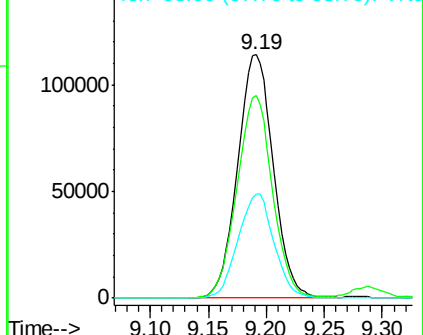
98 42.9 34.3 51.5

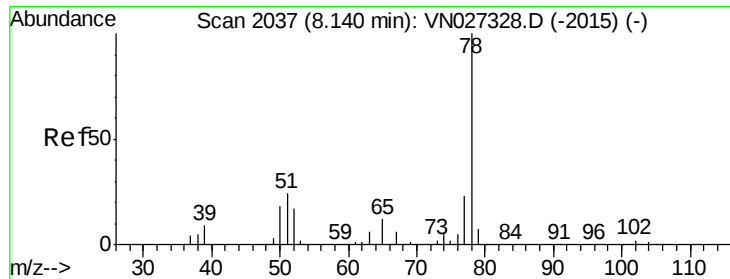


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#41

Benzene

Concen: 19.69 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

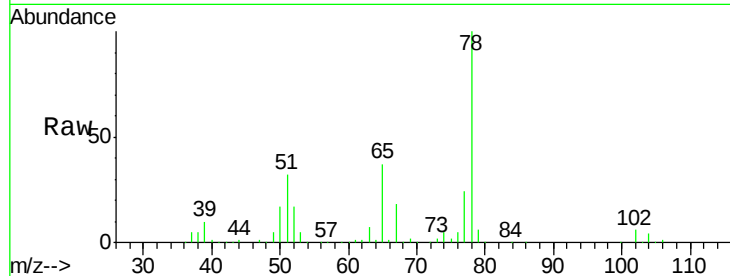
VN0921WBSD01

Tgt Ion: 78 Resp: 614165

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.14

250000

200000

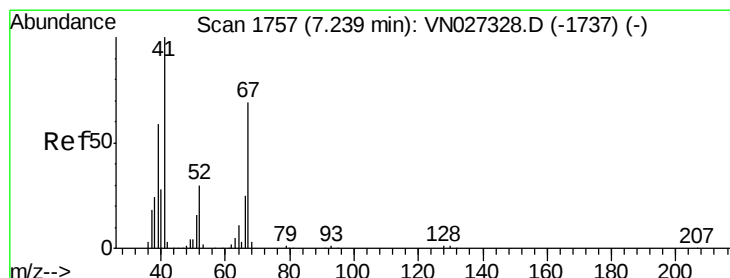
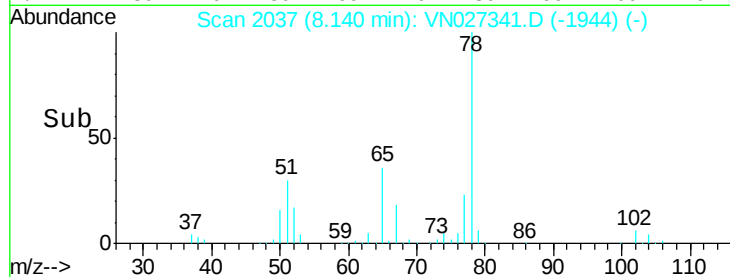
150000

100000

50000

0

Time-->



#42

Methacrylonitrile

Concen: 19.85 ug/l

RT: 7.24 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Tgt Ion: 41 Resp: 97250

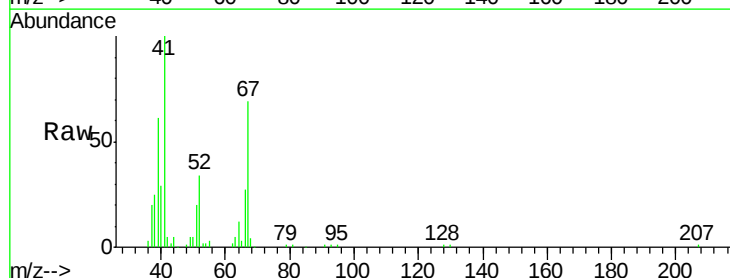
Ion Ratio Lower Upper

41 100

39 56.6 43.0 64.6

67 74.0 52.2 78.2

52 33.7 21.3 31.9#



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

80000

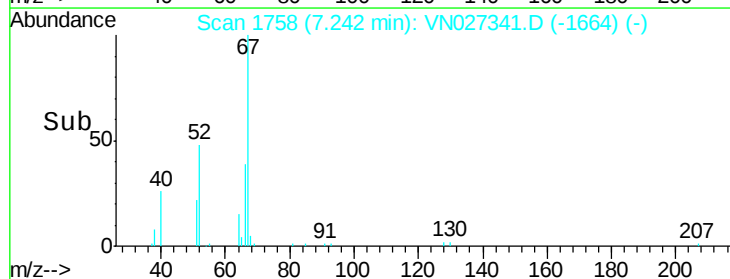
60000

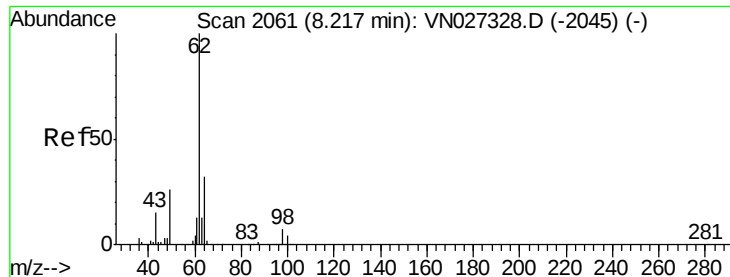
40000

20000

0

Time-->

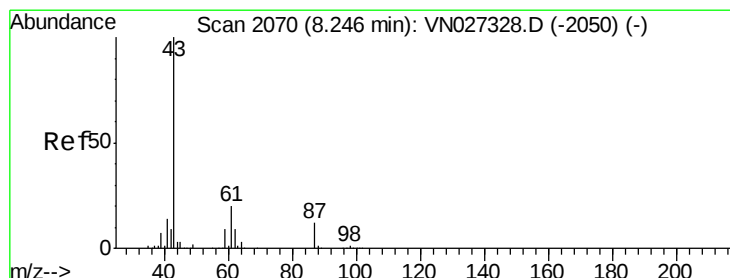
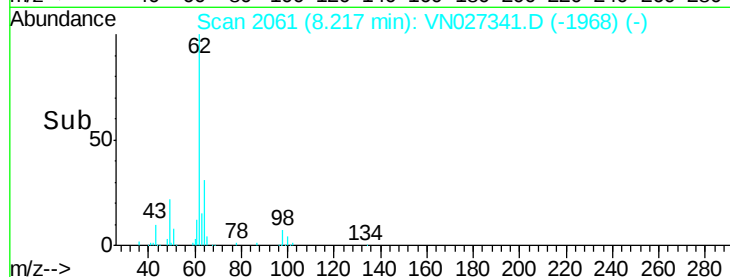
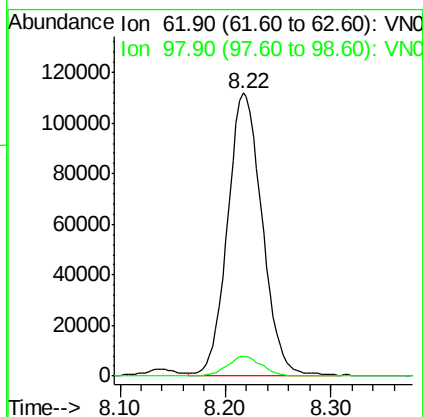
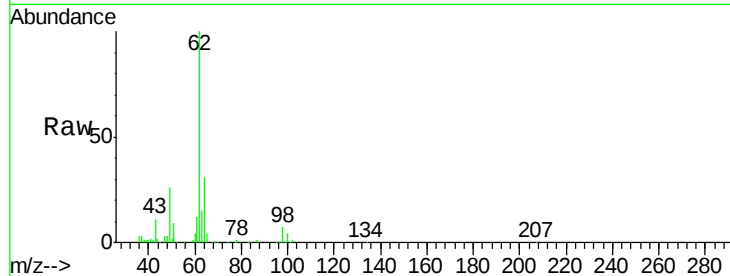




#43
 1,2-Dichloroethane
 Concen: 19.87 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

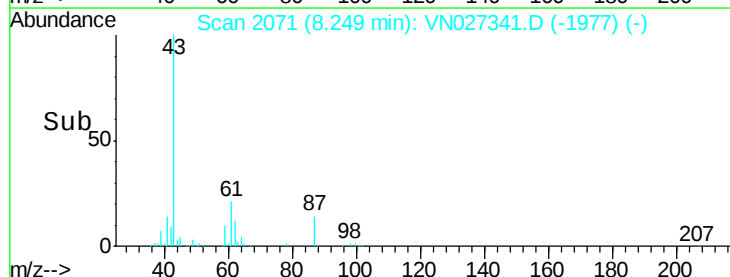
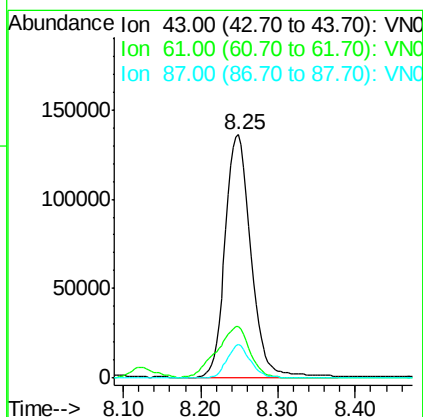
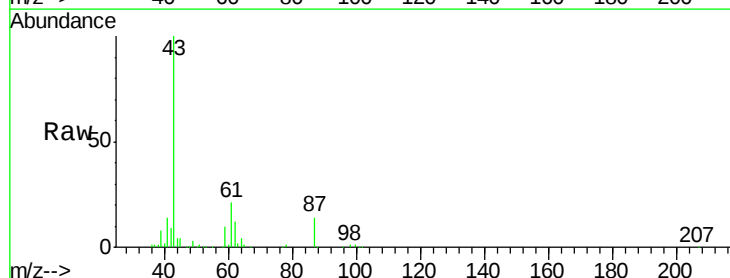
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

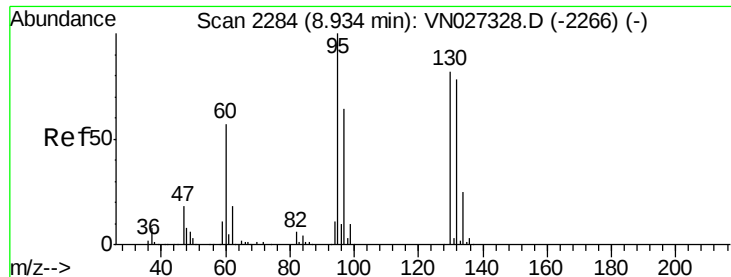
Tgt Ion: 62 Resp: 252679
 Ion Ratio Lower Upper
 62 100
 98 7.0 0.0 18.0



#44
 Isopropyl Acetate
 Concen: 19.76 ug/l
 RT: 8.25 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion: 43 Resp: 313401
 Ion Ratio Lower Upper
 43 100
 61 27.1 20.6 31.0
 87 12.5 8.6 13.0





#45

Trichloroethene

Concen: 19.44 ug/l

RT: 8.93 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

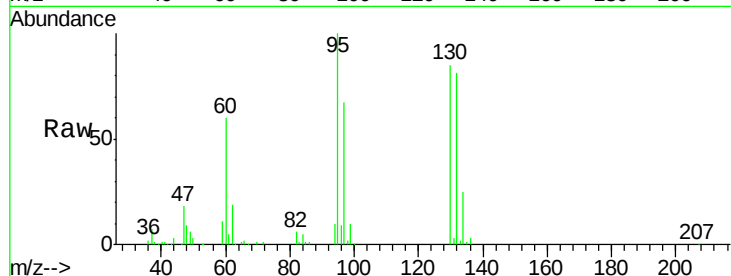
VN0921WBSD01

Tgt Ion:130 Resp: 121498

Ion Ratio Lower Upper

130 100

95 117.9 0.0 222.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.93

60000

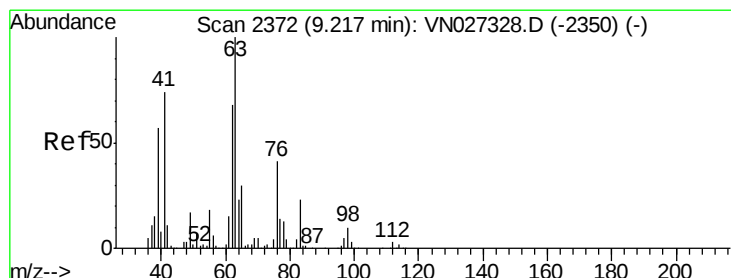
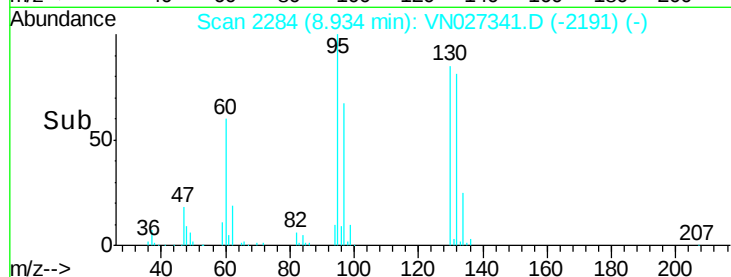
40000

20000

0

8.85 8.90 8.95 9.00

Time-->



#46

1,2-Dichloropropane

Concen: 19.71 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN027341.D

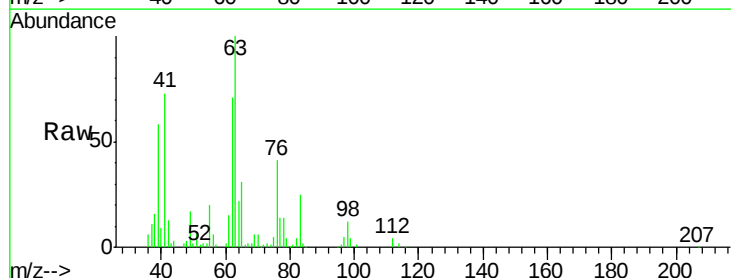
Acq: 21 Sep 2015 20:04

Tgt Ion: 63 Resp: 172099

Ion Ratio Lower Upper

63 100

65 31.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.22

80000

60000

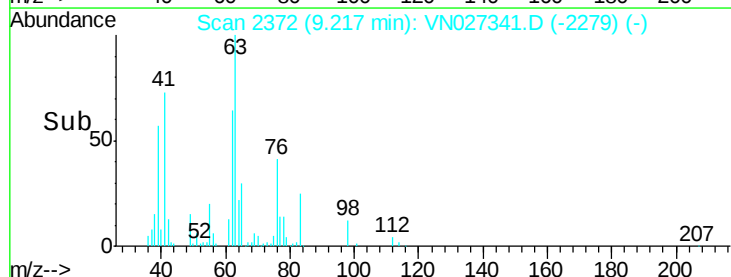
40000

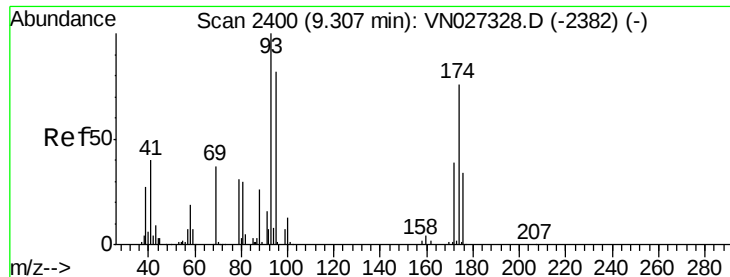
20000

0

9.10 9.20 9.30

Time-->





#47

Dibromomethane

Concen: 19.39 ug/l

RT: 9.31 min Scan# 2400

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

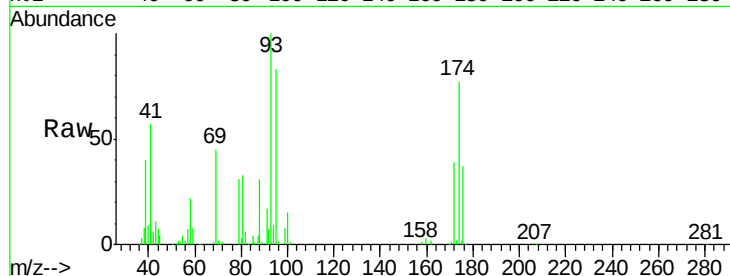
Tgt Ion: 93 Resp: 101627

Ion Ratio Lower Upper

93 100

95 82.0 66.3 99.5

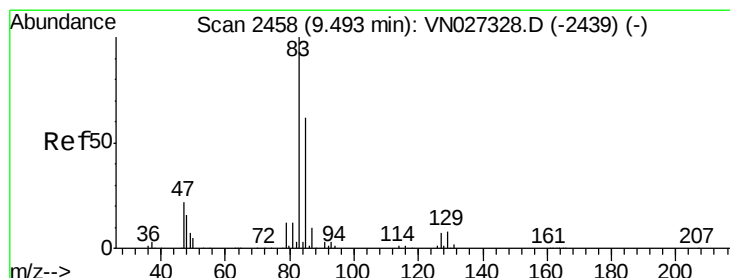
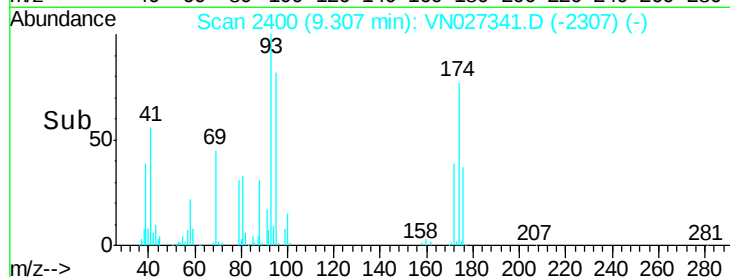
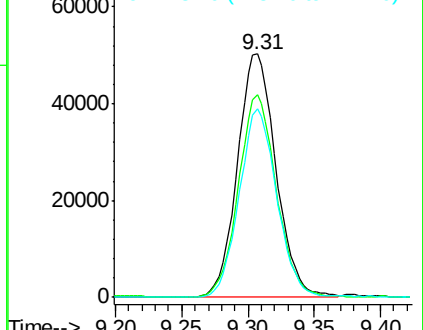
174 75.2 67.8 101.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V



#48

Bromodichloromethane

Concen: 19.47 ug/l

RT: 9.50 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

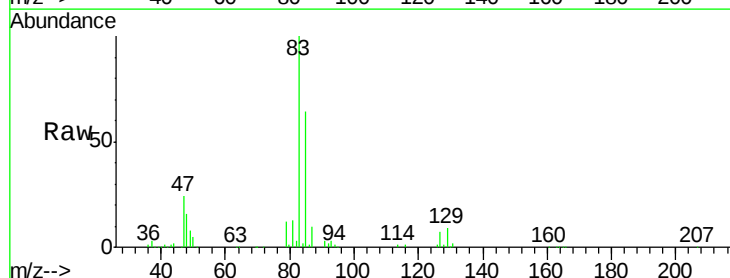
Tgt Ion: 83 Resp: 216366

Ion Ratio Lower Upper

83 100

85 64.5 50.7 76.1

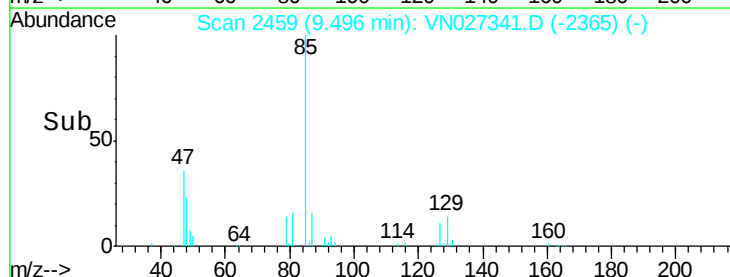
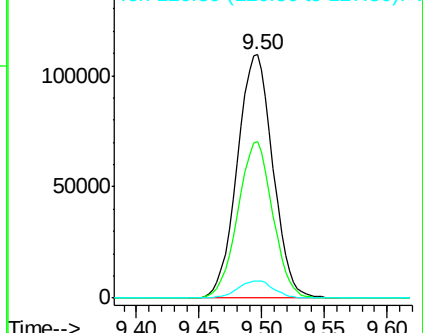
127 7.2 5.5 8.3

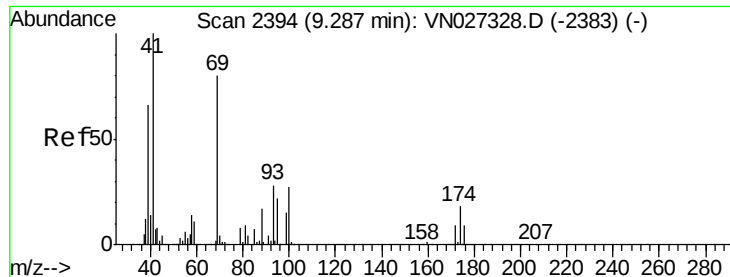


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

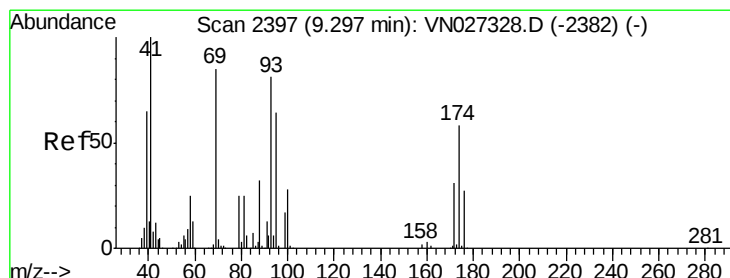
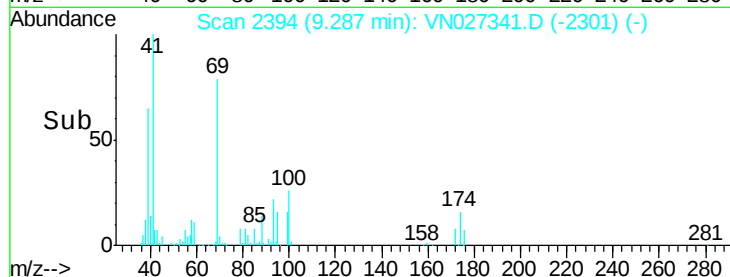
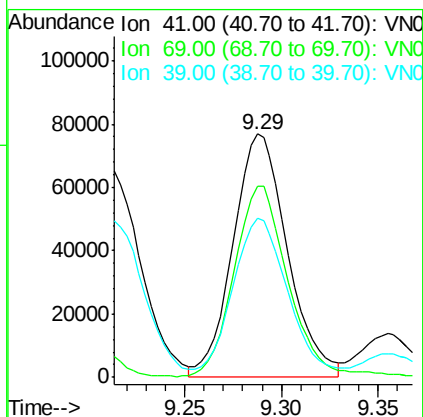
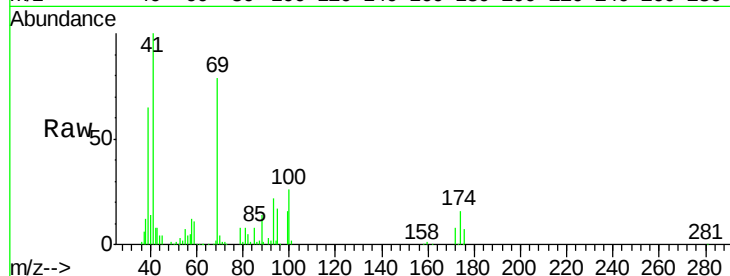




#49
Methyl methacrylate
Concen: 20.01 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

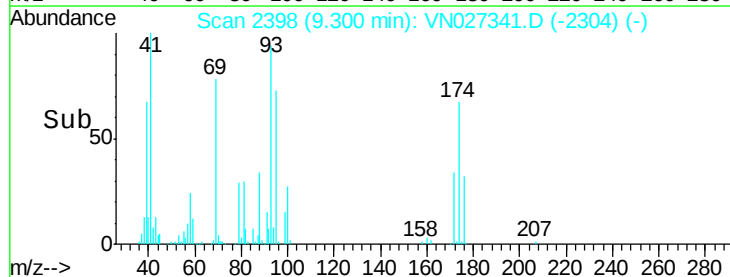
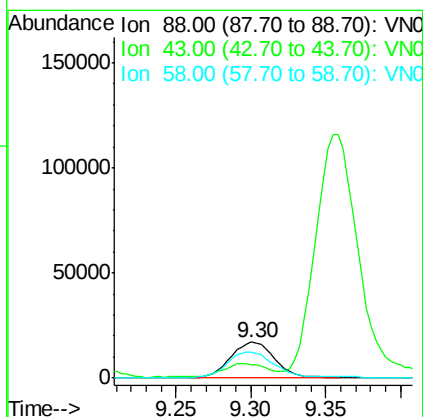
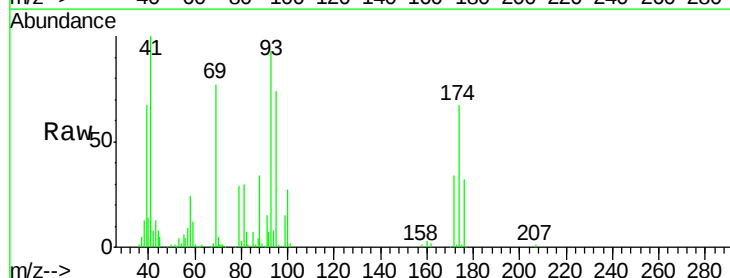
Instrument :
MSVOA_N
ClientSampled :
VN0921WBSD01

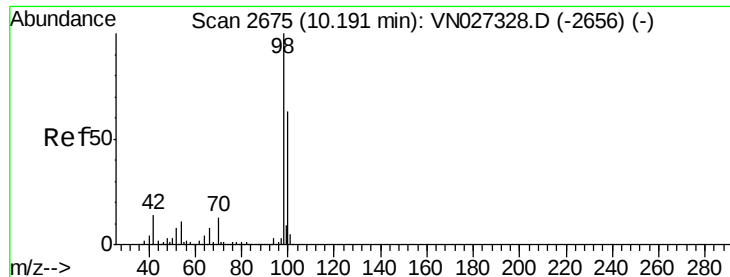
Tgt Ion: 41 Resp: 149421
Ion Ratio Lower Upper
41 100
69 78.6 59.3 88.9
39 65.9 39.5 59.3#



#50
1,4-Dioxane
Concen: 395.42 ug/l
RT: 9.30 min Scan# 2398
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion: 88 Resp: 35634
Ion Ratio Lower Upper
88 100
43 36.1 27.6 41.4
58 77.5 63.1 94.7





#51

Toluene-d8

Concen: 48.74 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

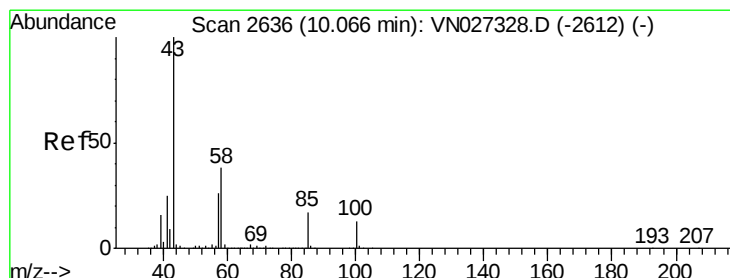
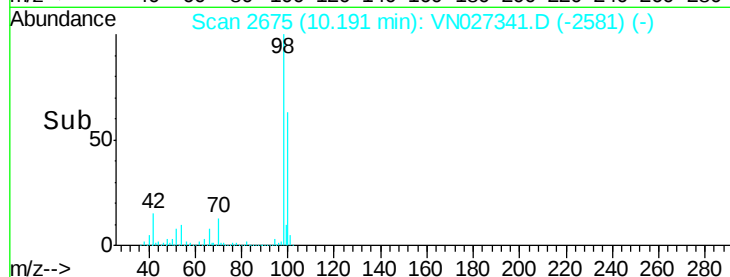
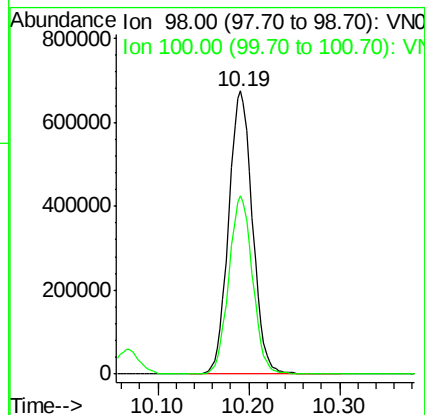
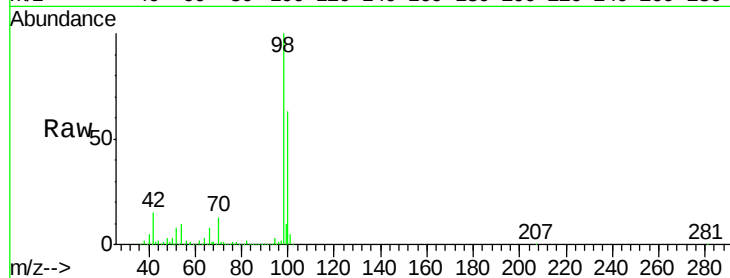
VN0921WBSD01

Tgt Ion: 98 Resp: 1226257

Ion Ratio Lower Upper

98 100

100 62.6 50.5 75.7



#52

4-Methyl-2-Pentanone

Concen: 102.05 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027341.D

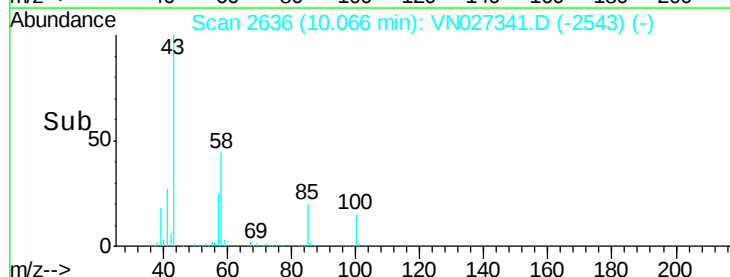
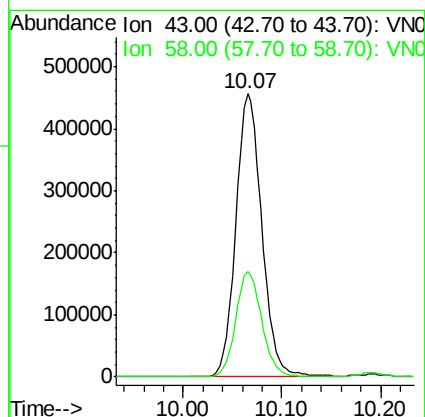
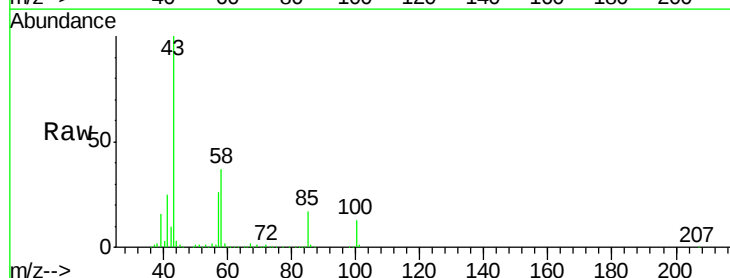
Acq: 21 Sep 2015 20:04

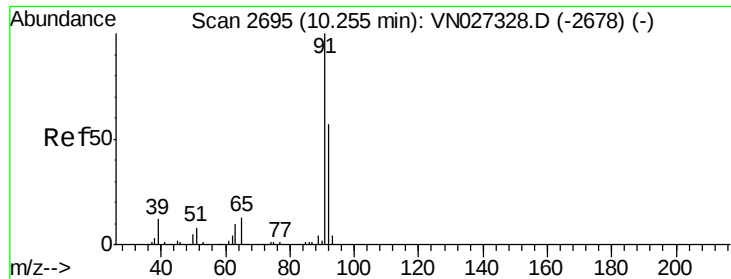
Tgt Ion: 43 Resp: 832679

Ion Ratio Lower Upper

43 100

58 37.5 29.8 44.8





#53

Toluene

Concen: 19.07 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

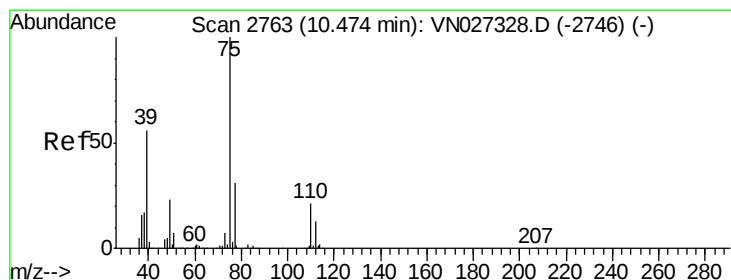
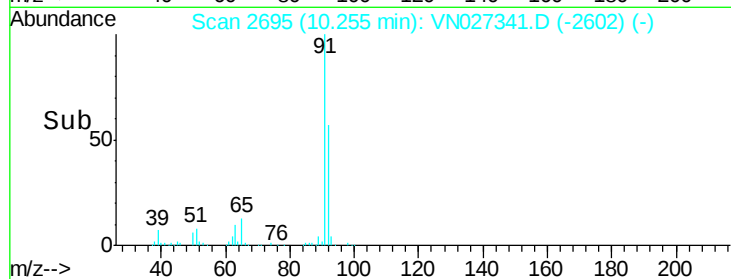
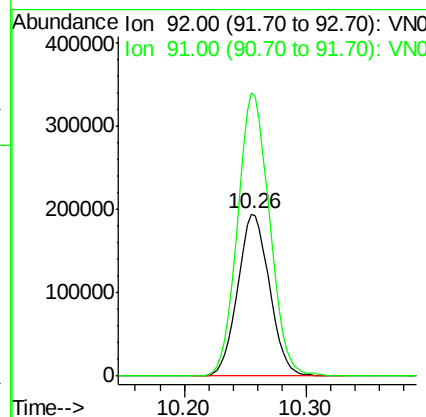
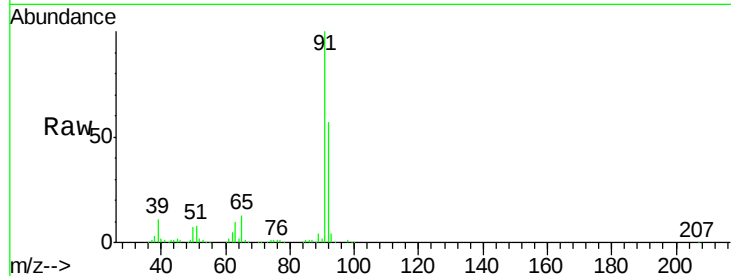
VN0921WBSD01

Tgt Ion: 92 Resp: 351854

Ion Ratio Lower Upper

92 100

91 175.8 141.4 212.2



#54

t-1,3-Dichloropropene

Concen: 18.93 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027341.D

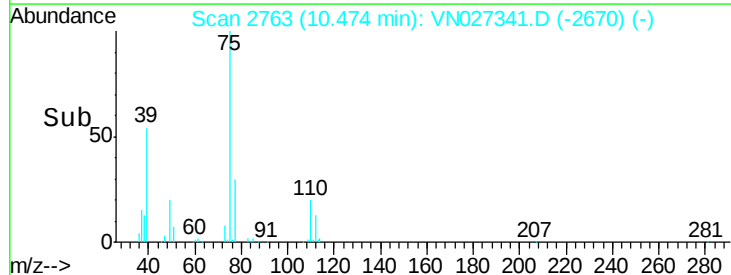
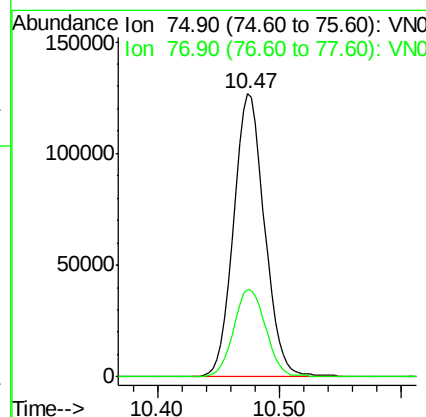
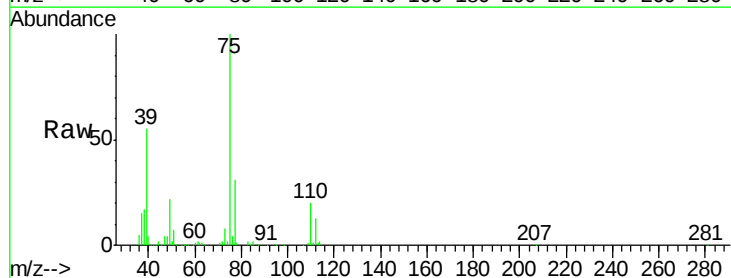
Acq: 21 Sep 2015 20:04

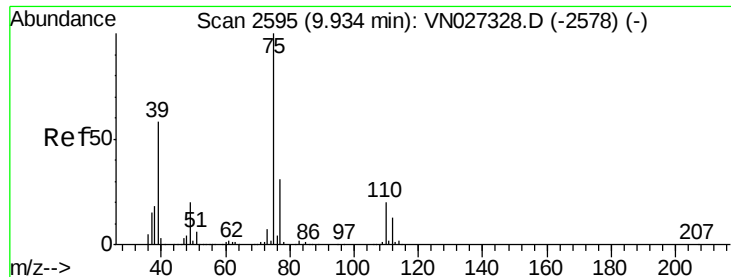
Tgt Ion: 75 Resp: 224543

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 19.32 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

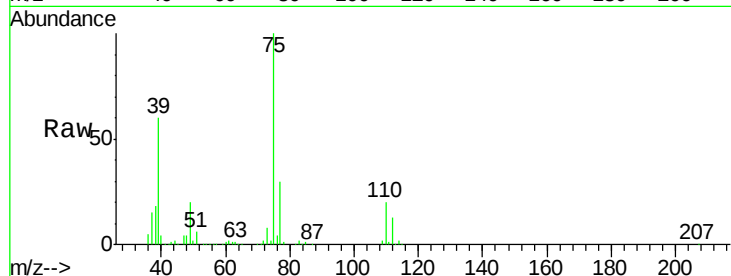
Tgt Ion: 75 Resp: 251800

Ion Ratio Lower Upper

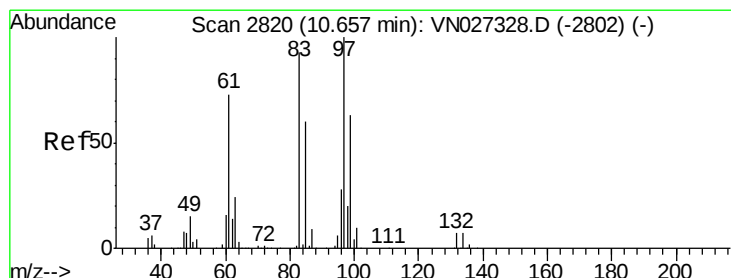
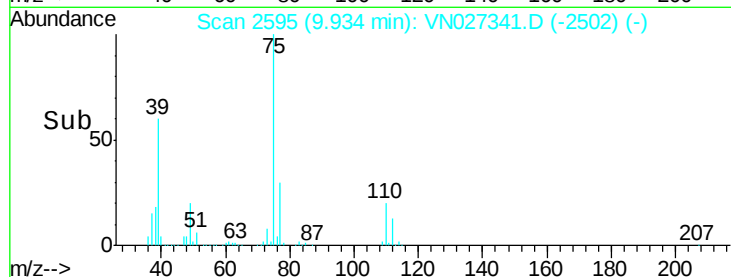
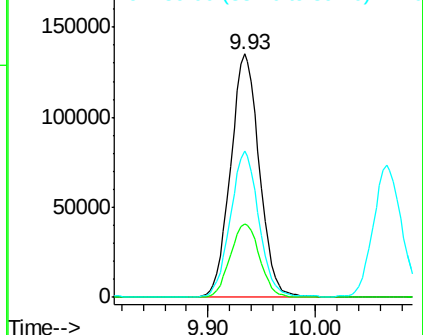
75 100

77 30.1 25.6 38.4

39 59.8 41.6 62.4



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 76.90 (76.60 to 77.60): VN0
Ion 39.00 (38.70 to 39.70): VN0



#56

1,1,2-Trichloroethane

Concen: 19.65 ug/l

RT: 10.66 min Scan# 2820

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Tgt Ion: 97 Resp: 135215

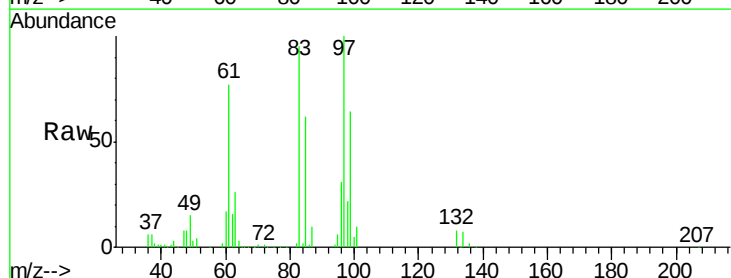
Ion Ratio Lower Upper

97 100

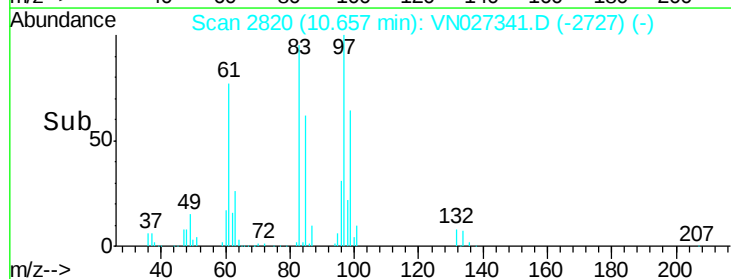
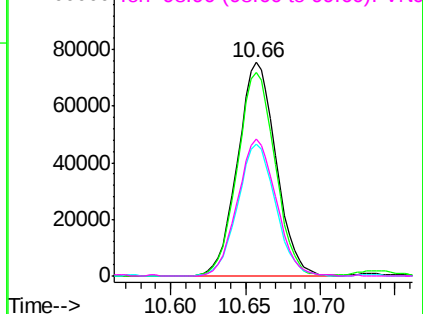
83 95.4 75.0 112.4

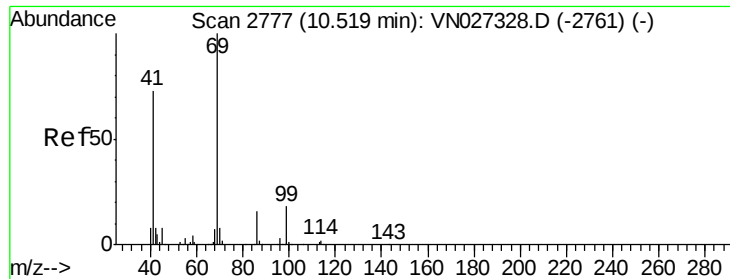
85 61.8 48.0 72.0

99 63.9 50.3 75.5



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





#57

Ethyl methacrylate

Concen: 19.73 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

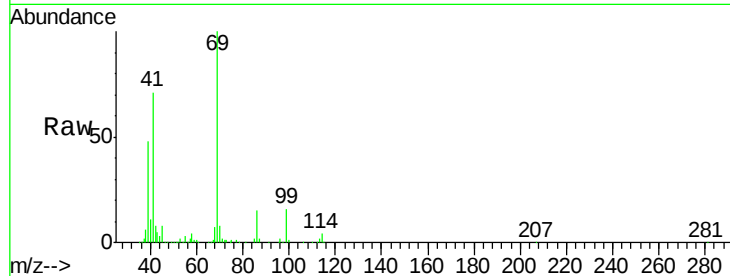
Tgt Ion: 69 Resp: 215542

Ion Ratio Lower Upper

69 100

41 70.1 61.3 91.9

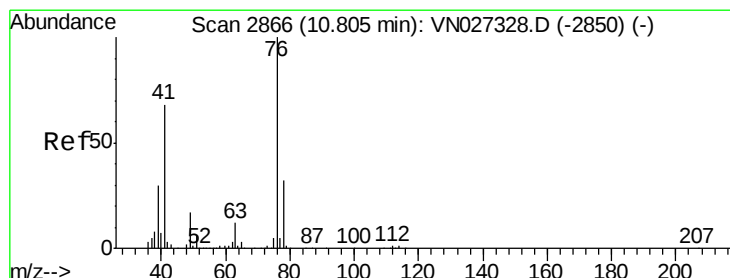
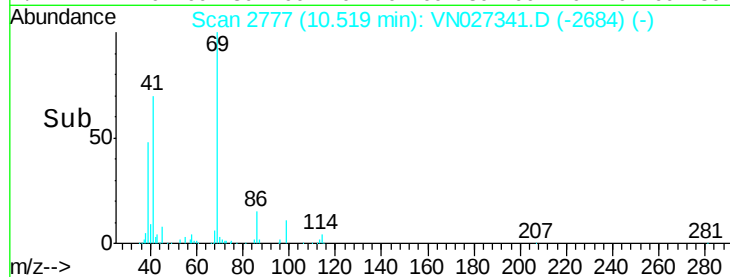
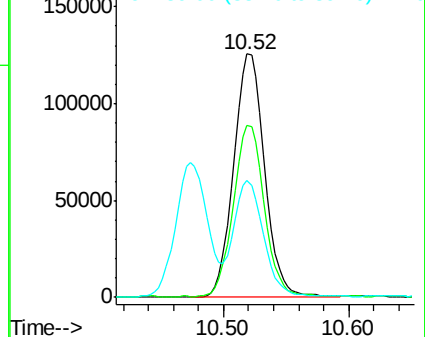
39 45.6 28.4 42.6#



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



#58

1,3-Dichloropropane

Concen: 19.73 ug/l

RT: 10.81 min Scan# 2866

Delta R.T. 0.00 min

Lab File: VN027341.D

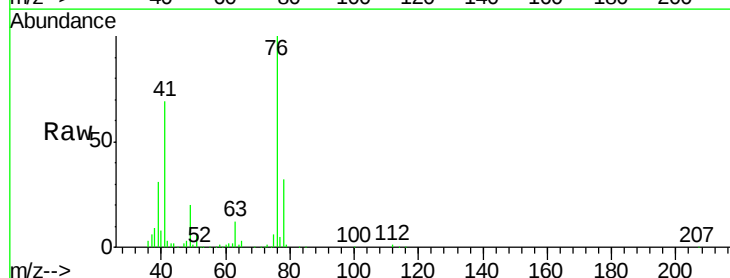
Acq: 21 Sep 2015 20:04

Tgt Ion: 76 Resp: 250230

Ion Ratio Lower Upper

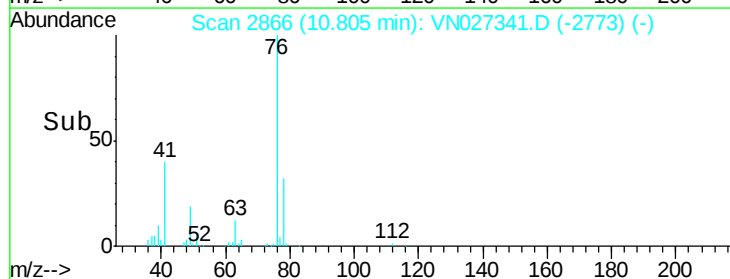
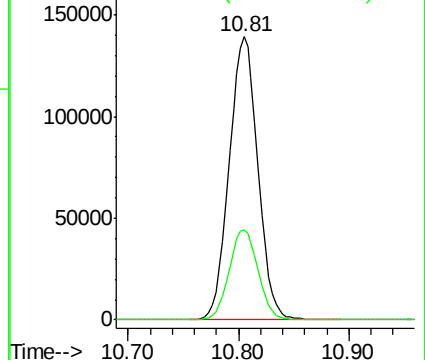
76 100

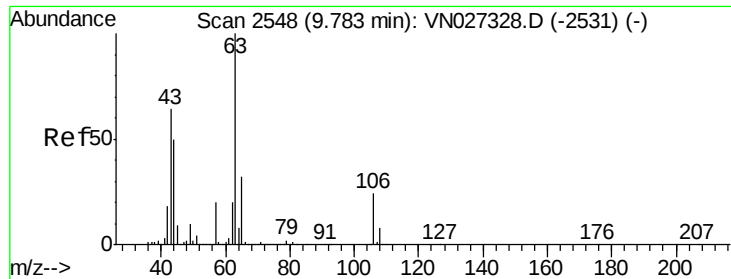
78 32.0 25.0 37.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

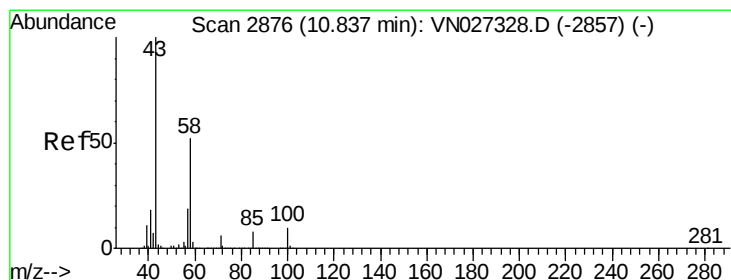
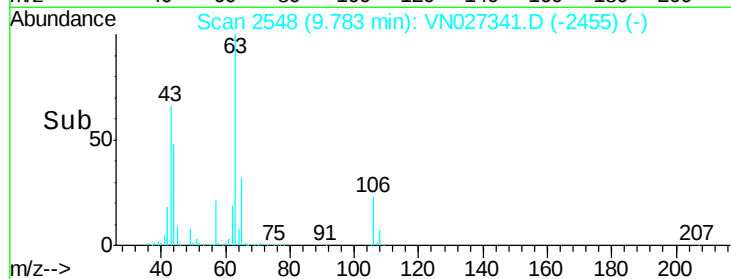
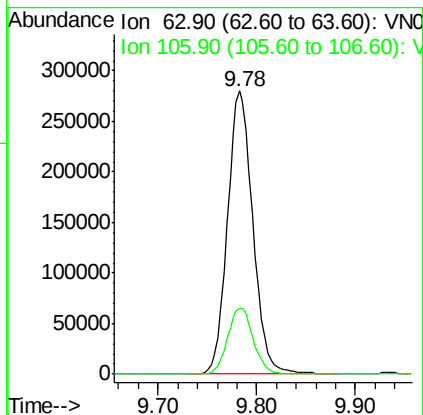
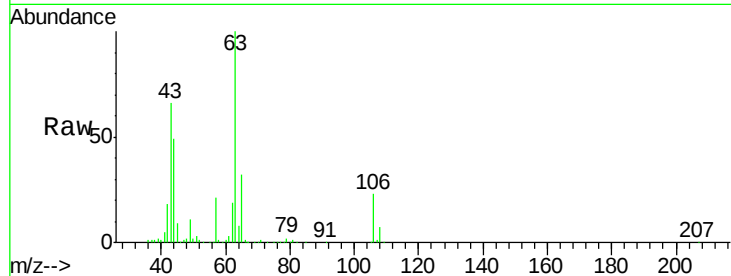




#59
 2-Chloroethyl Vinyl ether
 Concen: 104.09 ug/l
 RT: 9.78 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

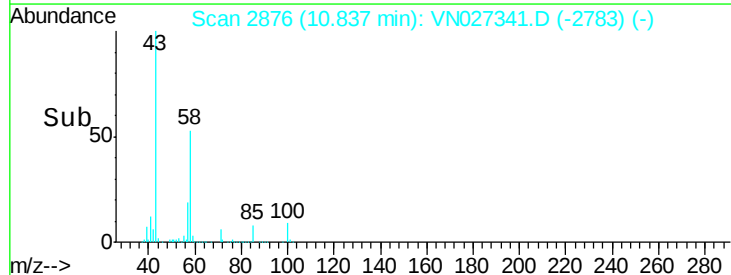
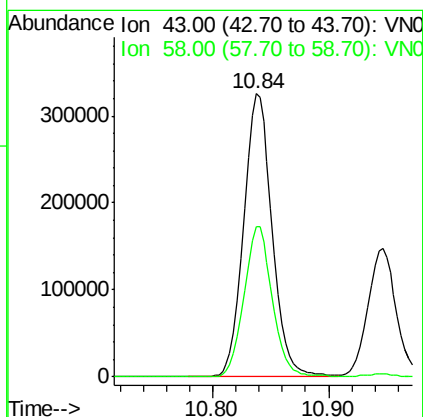
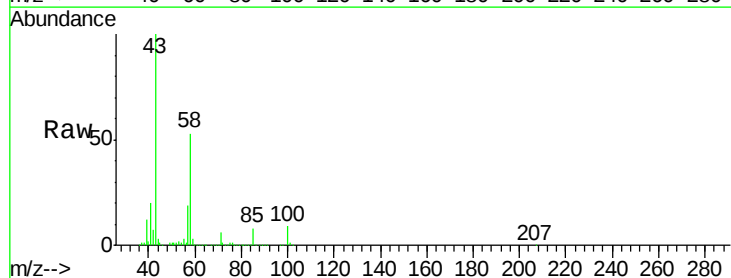
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

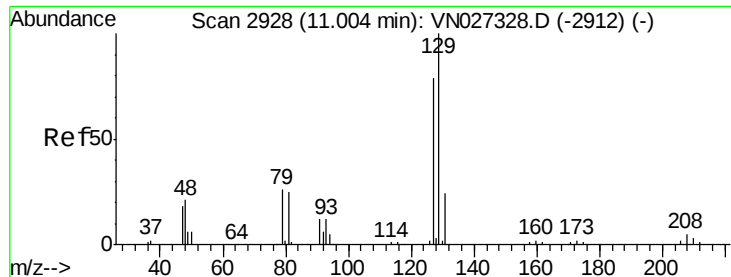
Tgt Ion: 63 Resp: 503884
 Ion Ratio Lower Upper
 63 100
 106 23.6 17.7 26.5



#60
 2-Hexanone
 Concen: 100.10 ug/l
 RT: 10.84 min Scan# 2876
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion: 43 Resp: 555094
 Ion Ratio Lower Upper
 43 100
 58 52.9 26.2 78.5

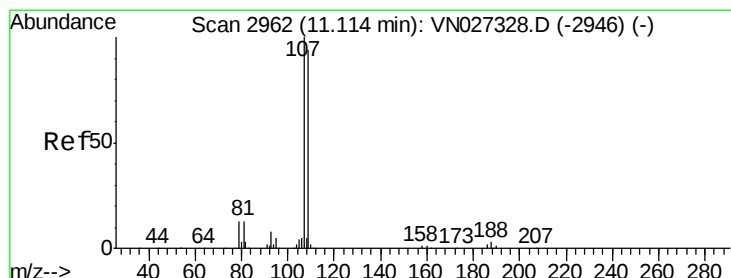
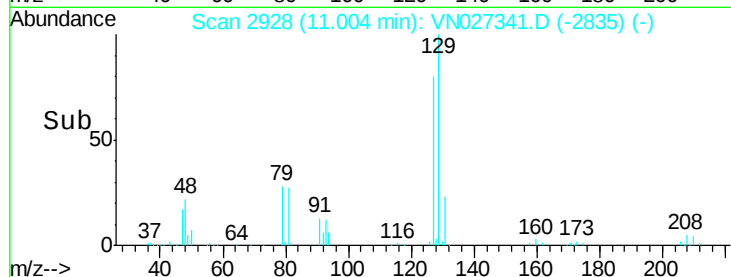
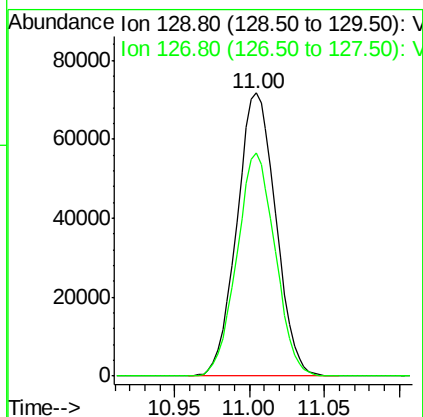
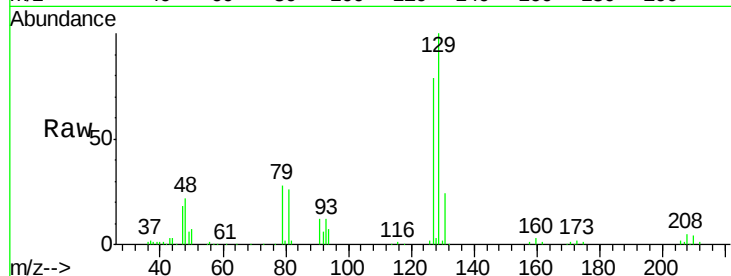




#61
 Dibromochloromethane
 Concen: 19.29 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

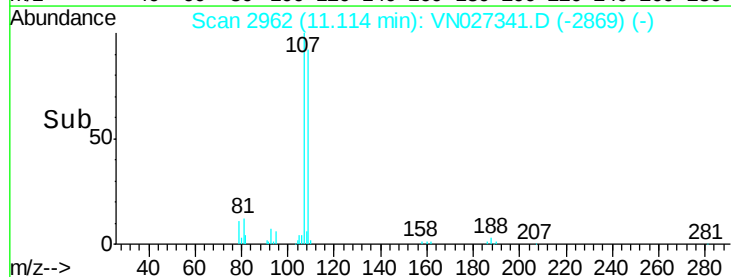
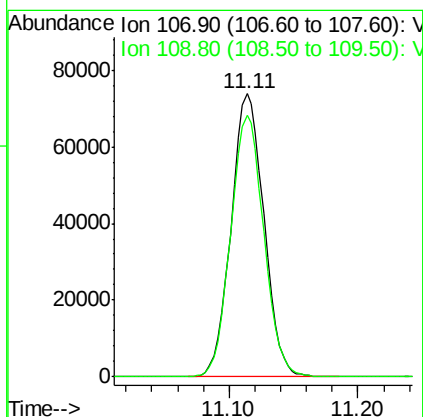
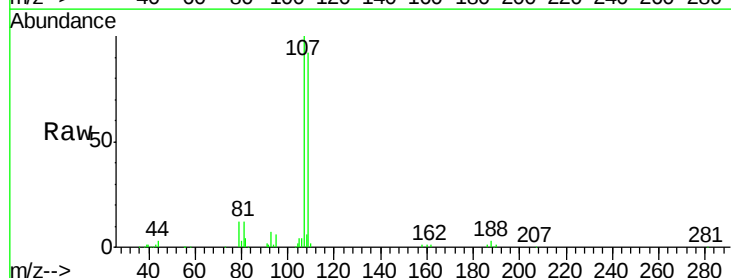
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

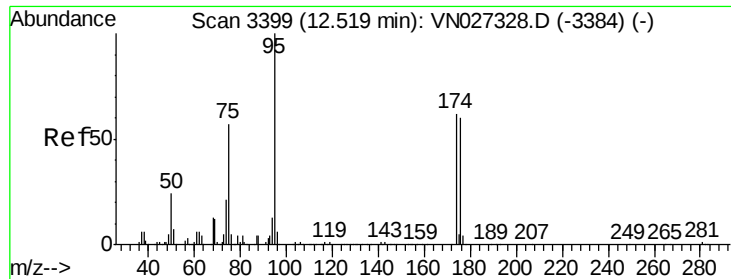
Tgt Ion:129 Resp: 130028
 Ion Ratio Lower Upper
 129 100
 127 77.4 39.1 117.2



#62
 1,2-Dibromoethane
 Concen: 19.91 ug/l
 RT: 11.11 min Scan# 2962
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion:107 Resp: 130305
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.6 113.4

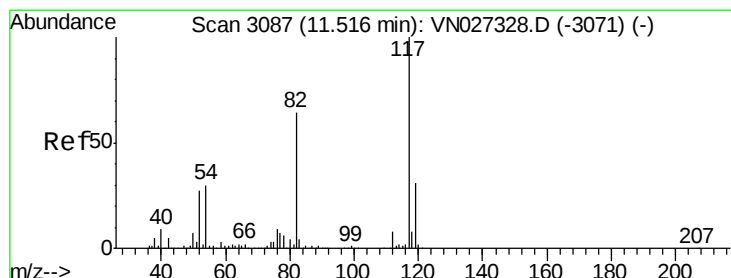
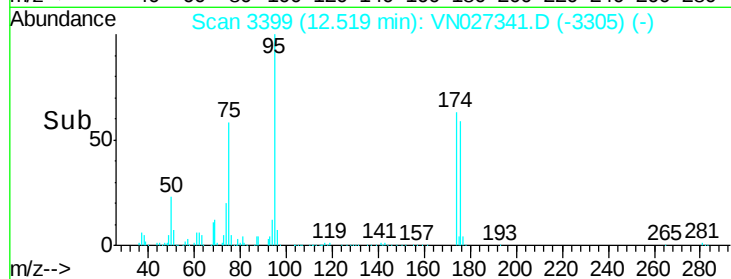
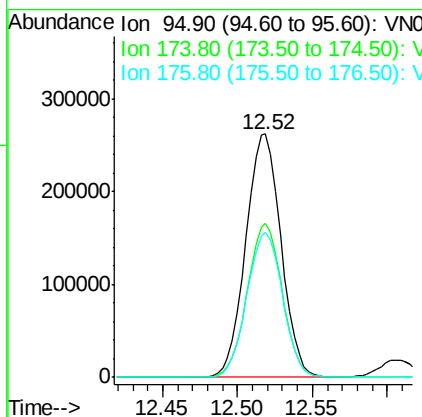
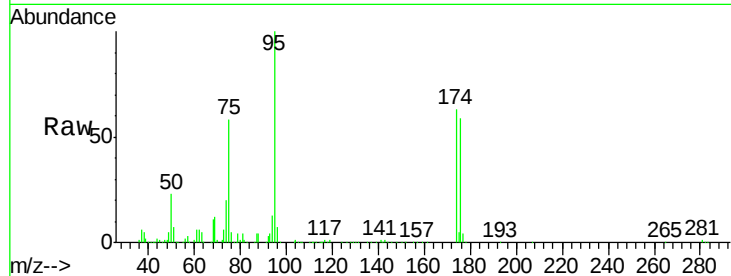




#63
 4-Bromofluorobenzene
 Concen: 47.03 ug/l
 RT: 12.52 min Scan# 3399
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

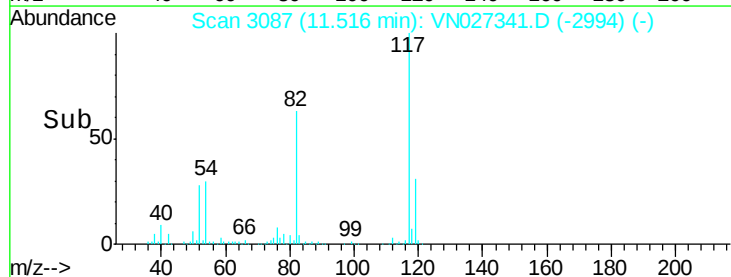
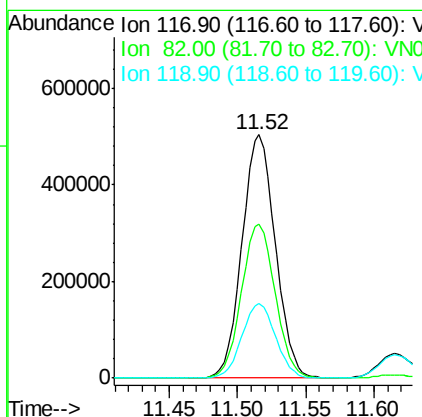
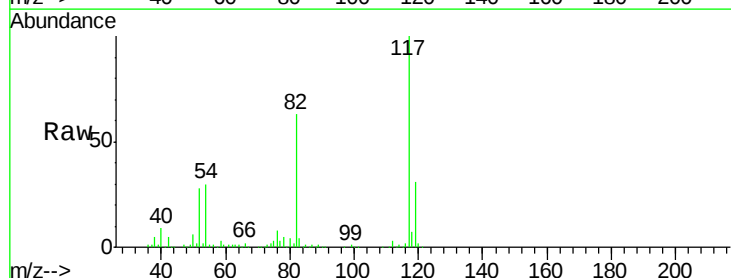
Instrument :
 MSVOA_N
 ClientSampled :
 VN0921WBSD01

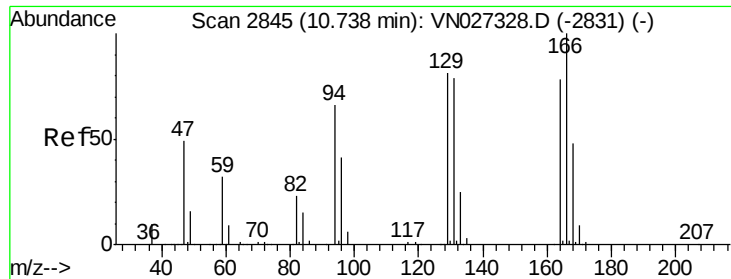
Tgt Ion: 95 Resp: 429922
 Ion Ratio Lower Upper
 95 100
 174 62.8 0.0 137.0
 176 60.2 0.0 130.8



#64
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion: 117 Resp: 854919
 Ion Ratio Lower Upper
 117 100
 82 63.0 49.6 74.4
 119 30.6 24.6 36.8





#65

Tetrachloroethene

Concen: 19.30 ug/l

RT: 10.74 min Scan# 2845

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tgt Ion:164 Resp: 98208

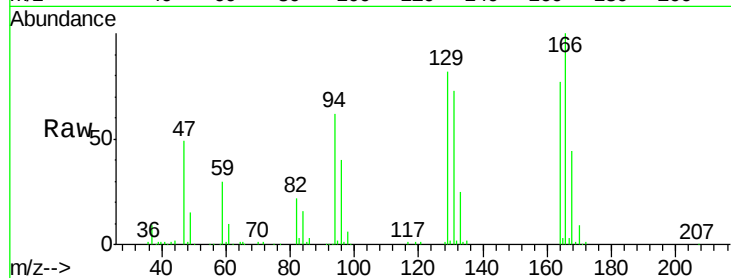
Ion Ratio Lower Upper

164 100

166 130.3 103.4 155.0

129 106.5 77.5 116.3

131 95.0 74.2 111.4

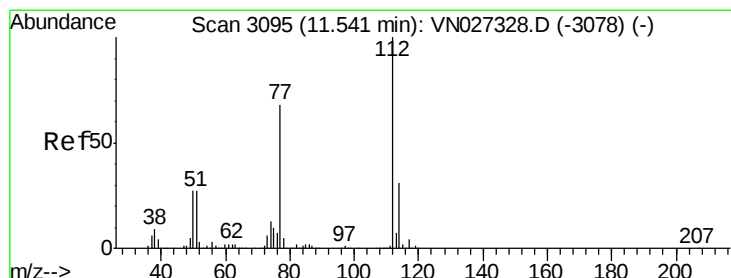
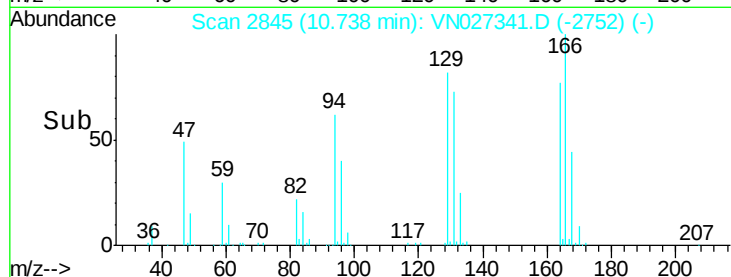
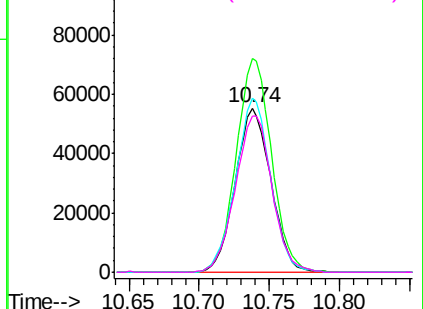


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#66

Chlorobenzene

Concen: 19.15 ug/l

RT: 11.54 min Scan# 3095

Delta R.T. 0.00 min

Lab File: VN027341.D

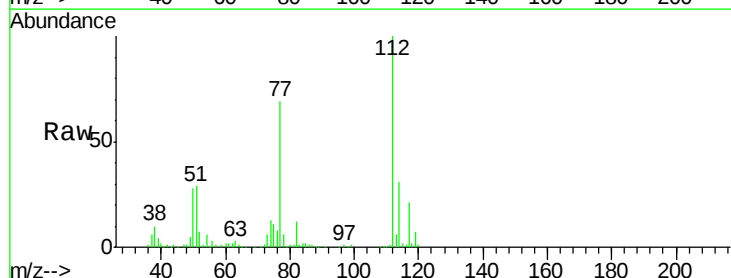
Acq: 21 Sep 2015 20:04

Tgt Ion:112 Resp: 350981

Ion Ratio Lower Upper

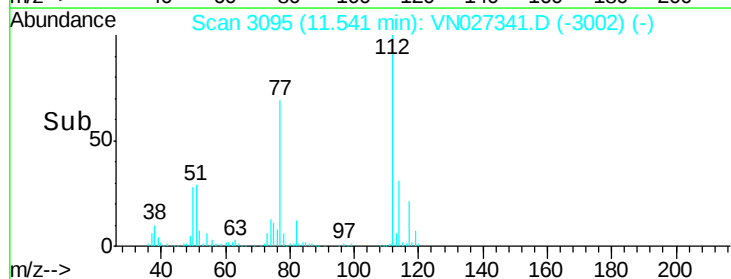
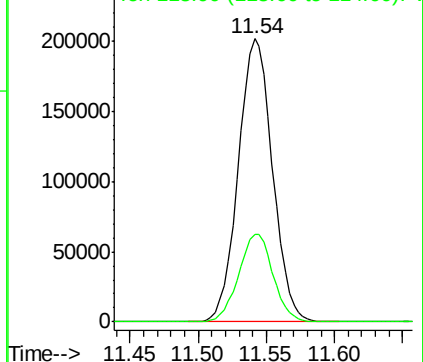
112 100

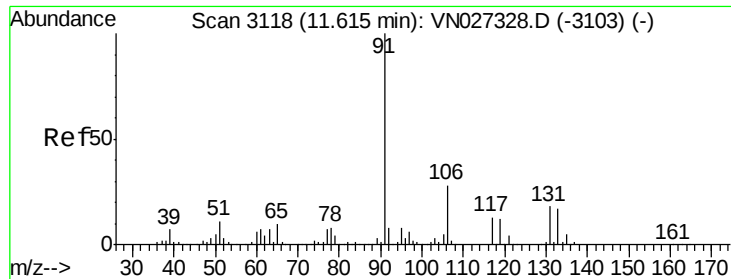
114 31.1 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

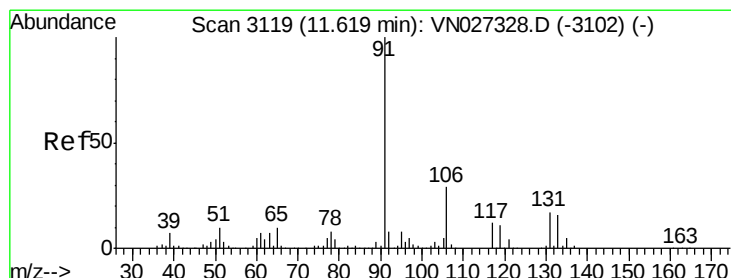
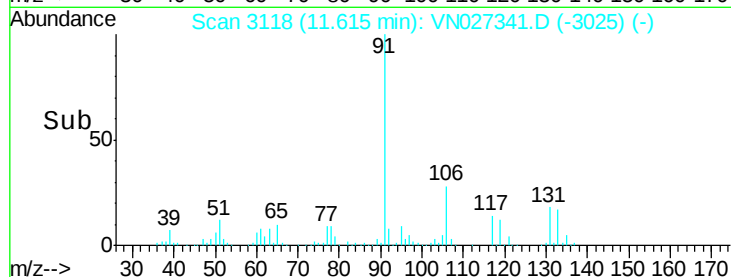
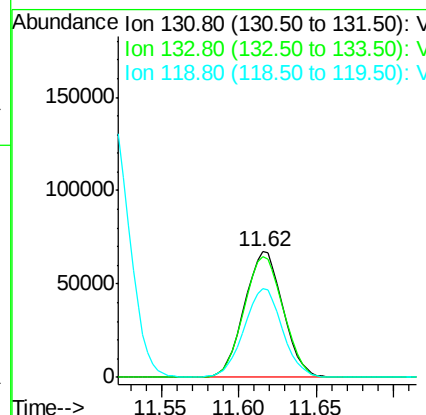
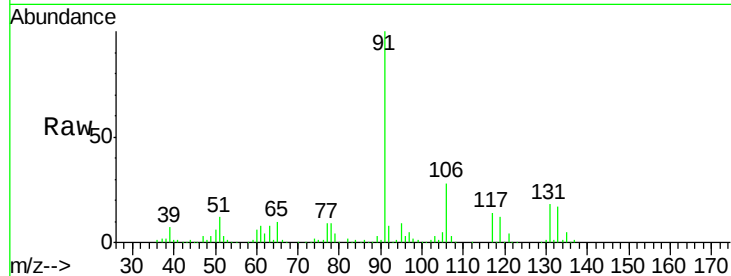




#67
 1,1,1,2-Tetrachloroethane
 Concen: 19.04 ug/l
 RT: 11.62 min Scan# 3118
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

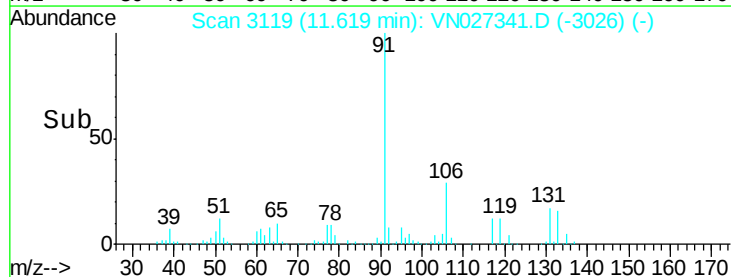
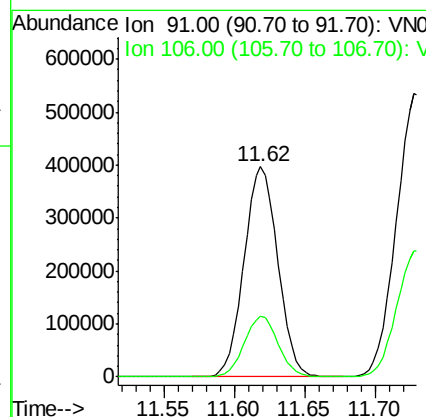
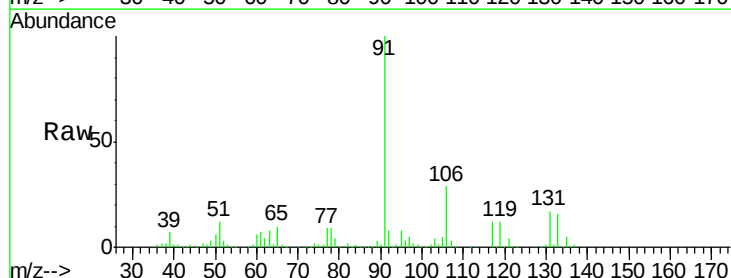
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

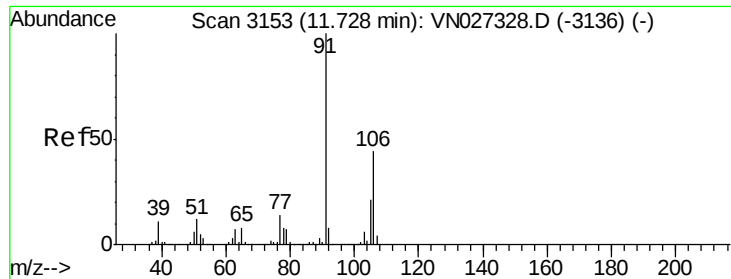
Tgt Ion:131 Resp: 117081
 Ion Ratio Lower Upper
 131 100
 133 97.9 47.0 141.2
 119 70.8 35.1 105.5



#68
 Ethyl Benzene
 Concen: 19.28 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion: 91 Resp: 666751
 Ion Ratio Lower Upper
 91 100
 106 28.8 23.1 34.7





#69

m/p-Xylenes

Concen: 38.24 ug/l

RT: 11.73 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

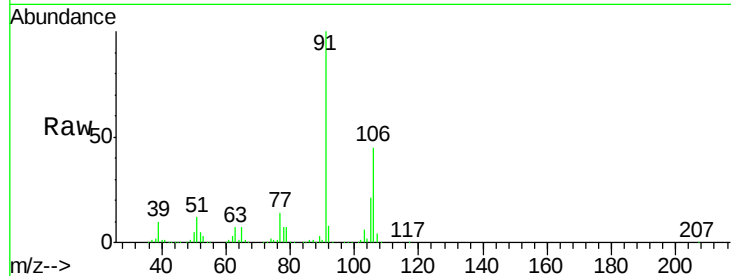
VN0921WBSD01

Tgt Ion:106 Resp: 458392

Ion Ratio Lower Upper

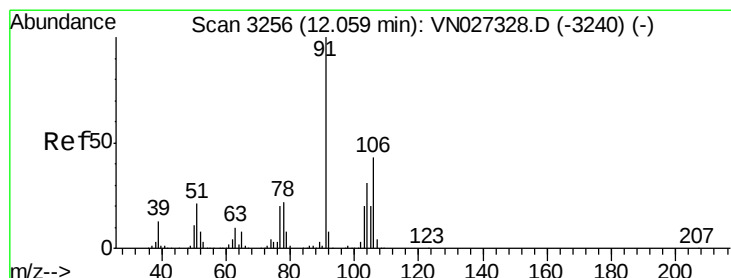
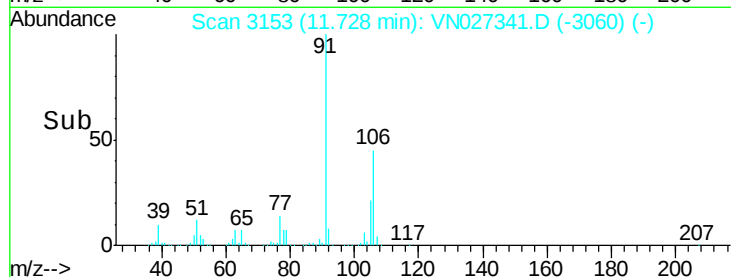
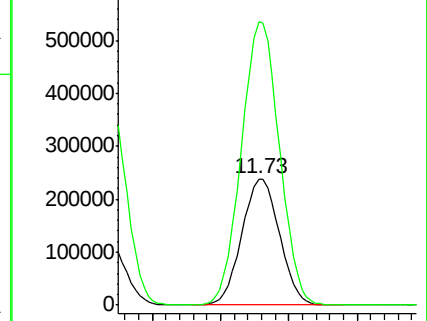
106 100

91 224.9 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

o-Xylene

Concen: 19.59 ug/l

RT: 12.06 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN027341.D

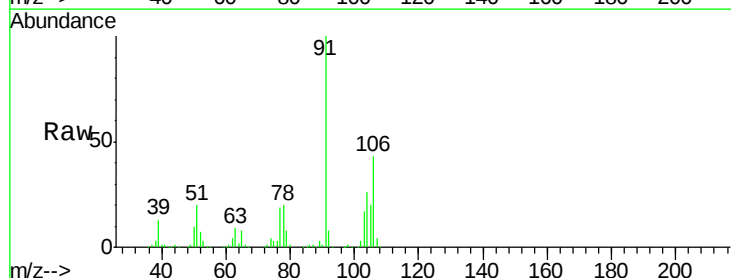
Acq: 21 Sep 2015 20:04

Tgt Ion:106 Resp: 237213

Ion Ratio Lower Upper

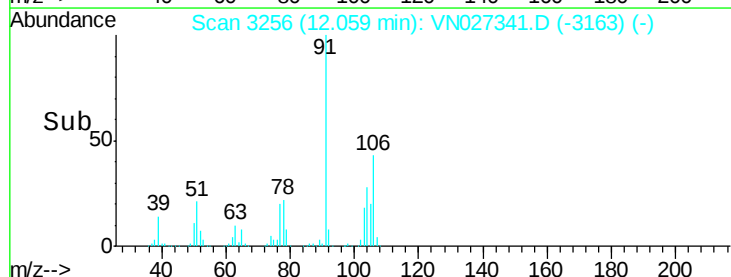
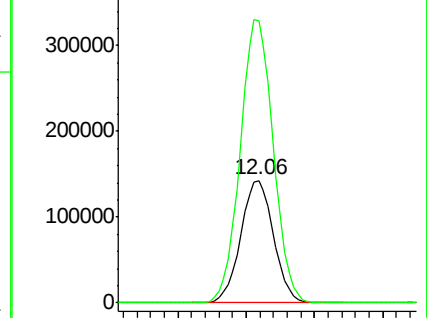
106 100

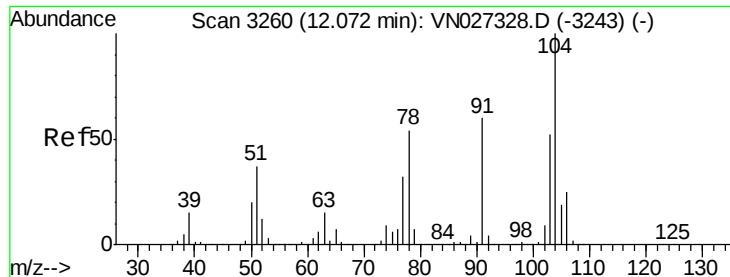
91 232.6 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

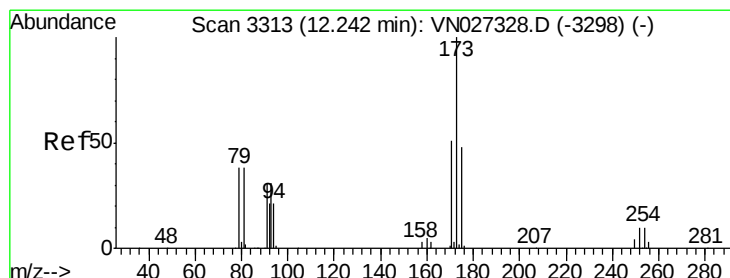
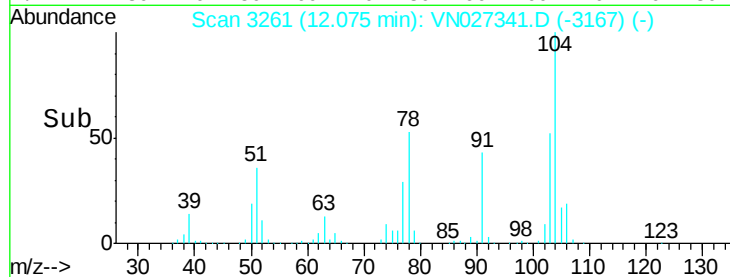
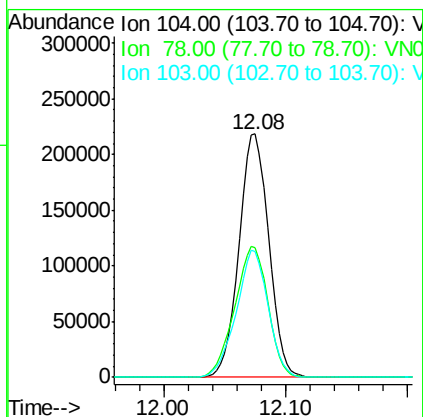
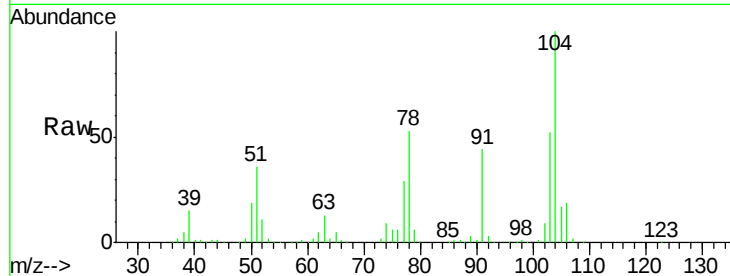




#71
Styrene
Concen: 19.08 ug/l
RT: 12.08 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

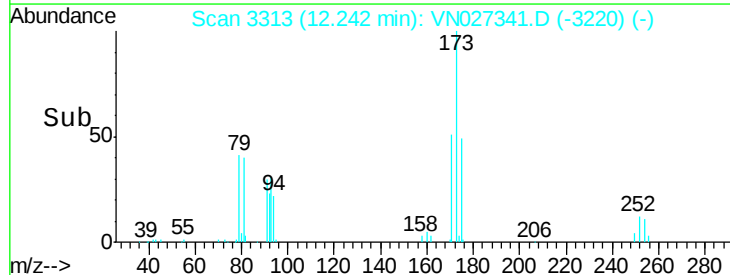
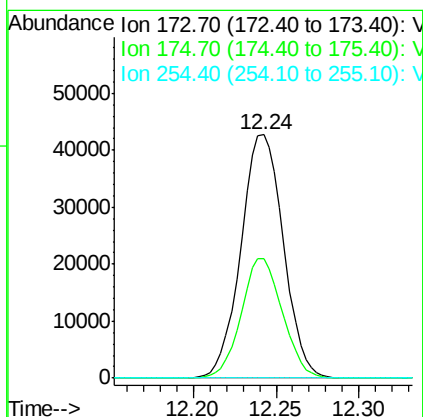
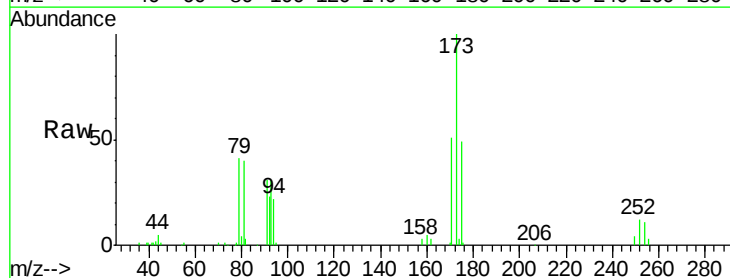
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

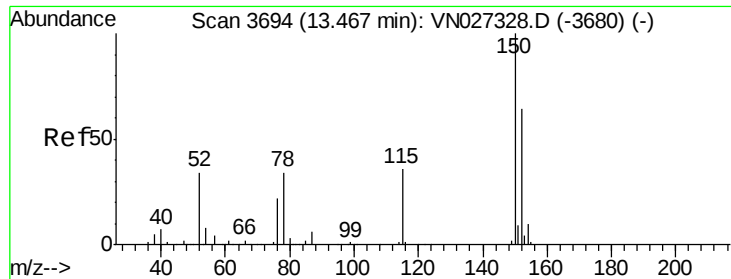
Tgt Ion:104 Resp: 367964
Ion Ratio Lower Upper
104 100
78 60.2 41.6 62.4
103 55.8 44.2 66.2



#72
Bromoform
Concen: 18.41 ug/l
RT: 12.24 min Scan# 3313
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion:173 Resp: 75978
Ion Ratio Lower Upper
173 100
175 47.6 24.4 73.4
254 0.0 0.1 0.1#





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

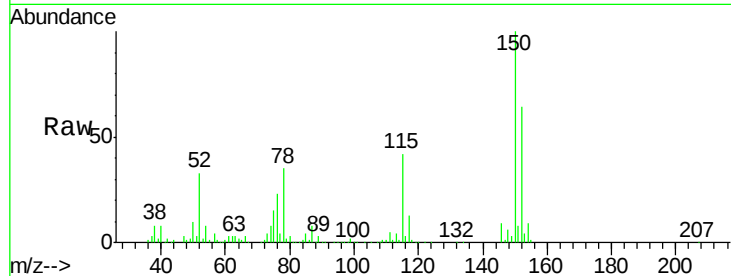
Tgt Ion:152 Resp: 323329

Ion Ratio Lower Upper

152 100

115 67.8 30.8 92.3

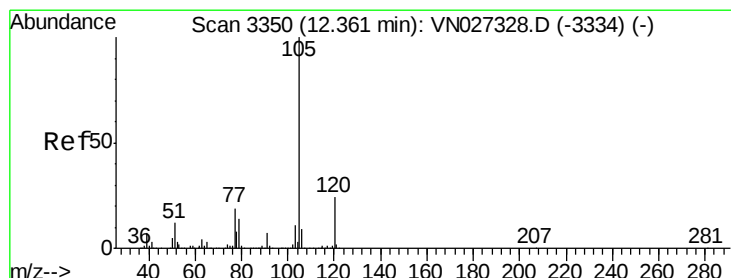
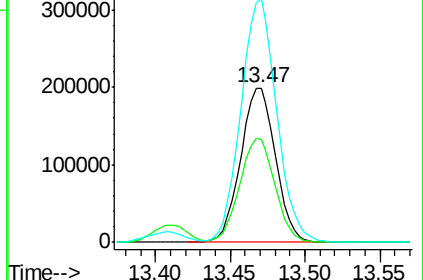
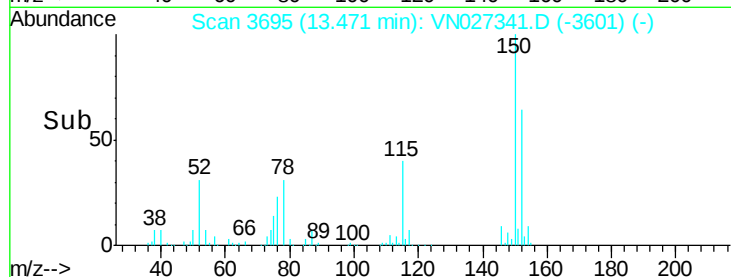
150 161.8 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

Isopropylbenzene

Concen: 19.37 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027341.D

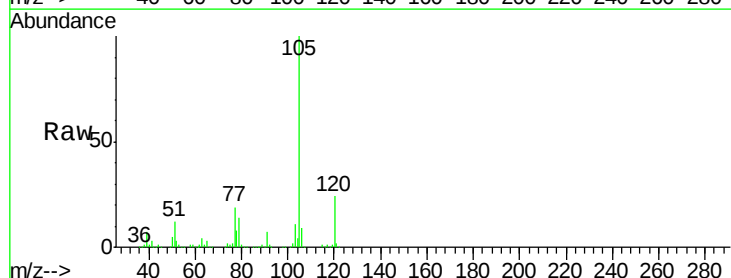
Acq: 21 Sep 2015 20:04

Tgt Ion:105 Resp: 627424

Ion Ratio Lower Upper

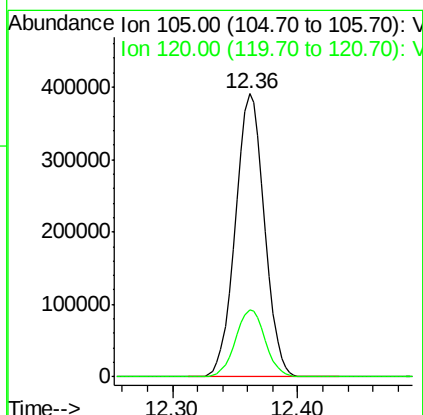
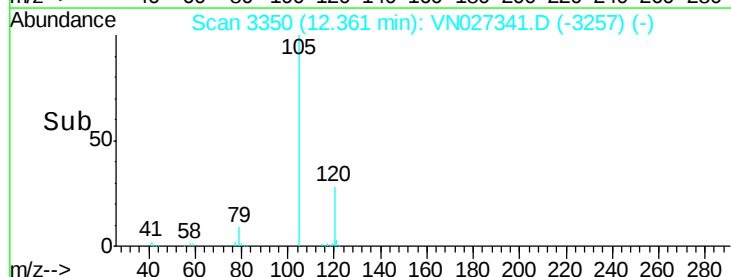
105 100

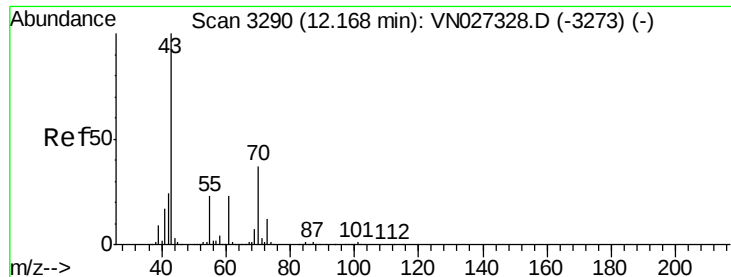
120 24.2 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

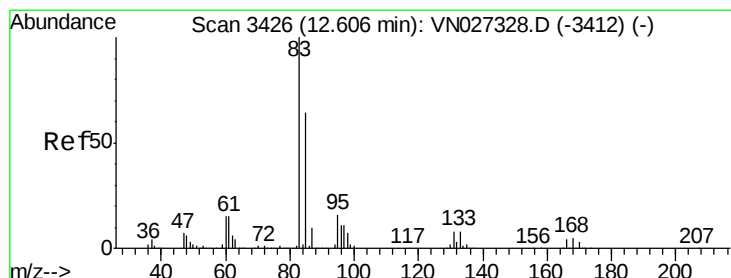
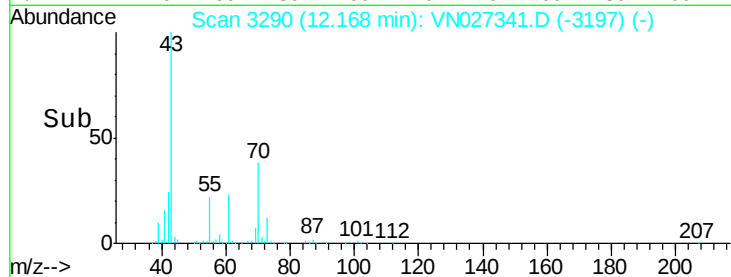
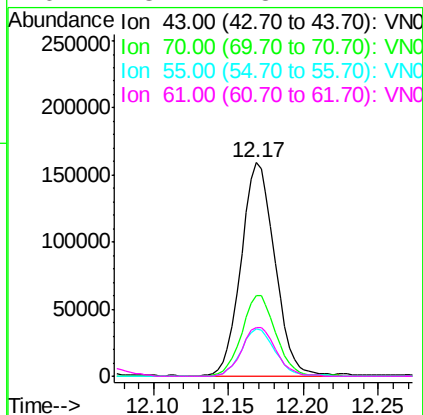
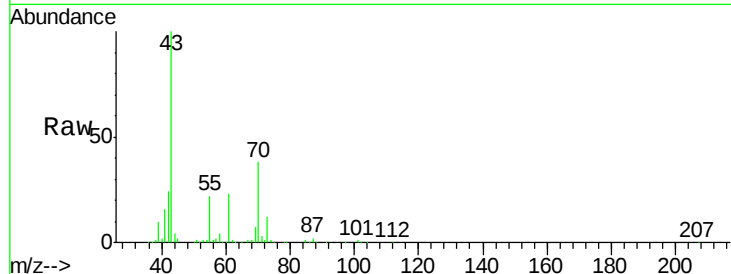




#75
N-ethyl acetate
Concen: 19.43 ug/l
RT: 12.17 min Scan# 3290
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

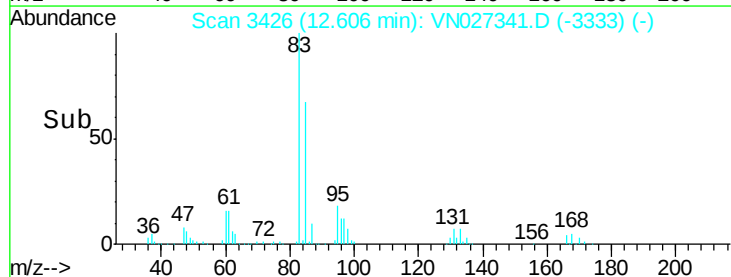
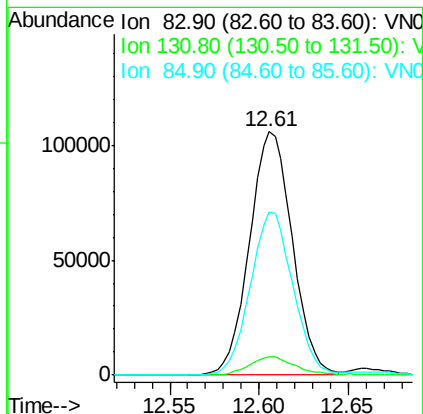
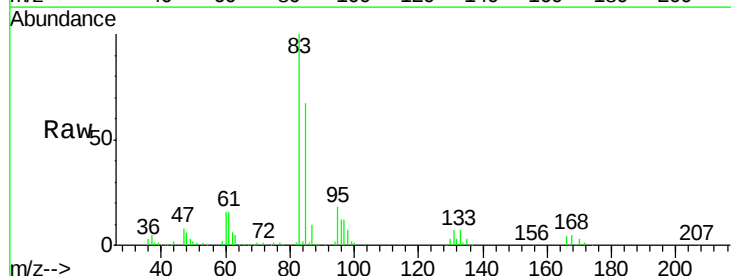
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

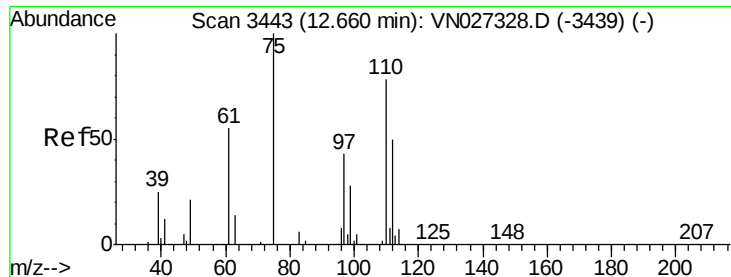
Tgt Ion:	43	Resp:	249721
Ion	Ratio	Lower	Upper
43	100		
70	38.2	29.8	44.8
55	22.4	19.4	29.0
61	23.4	18.2	27.2



#76
1,1,2,2-Tetrachloroethane
Concen: 19.47 ug/l
RT: 12.61 min Scan# 3426
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion:	83	Resp:	177551
Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.1	12.3
85	66.9	31.9	95.7





#77

1,2,3-Trichloropropane

Concen: 30.23 ug/l

RT: 12.66 min Scan# 3444

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

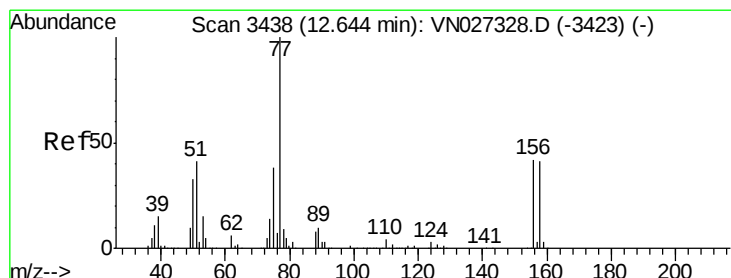
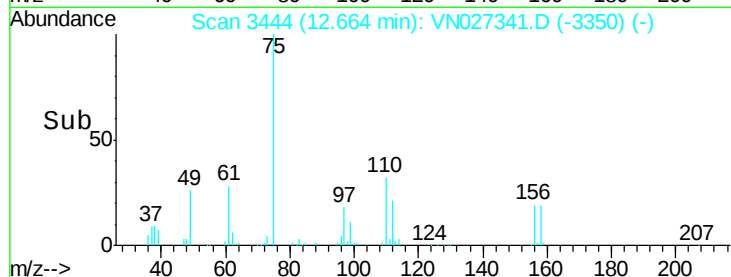
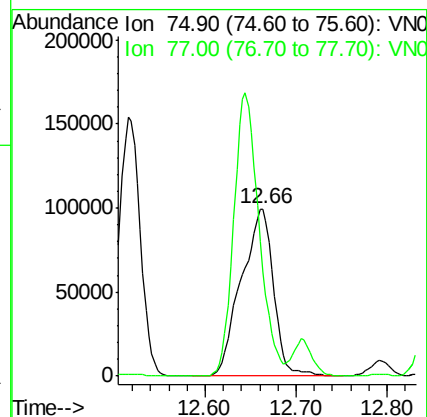
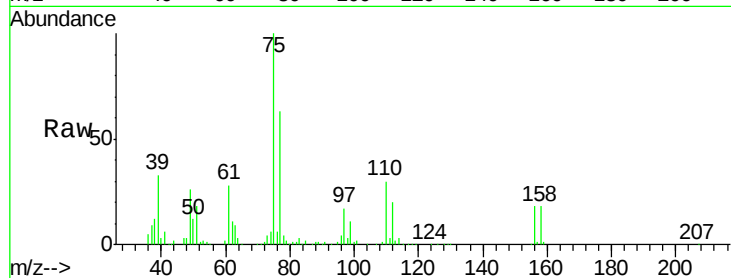
VN0921WBSD01

Tgt Ion: 75 Resp: 245436

Ion Ratio Lower Upper

75 100

77 132.8 103.1 309.3



#78

Bromobenzene

Concen: 19.65 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

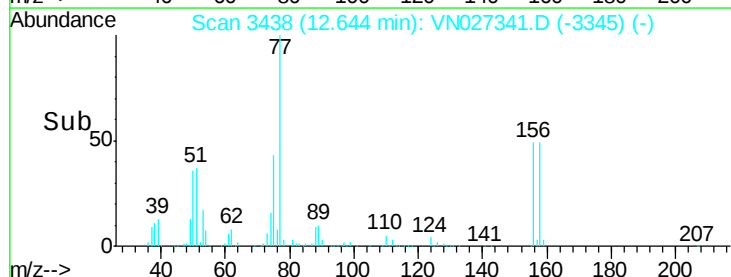
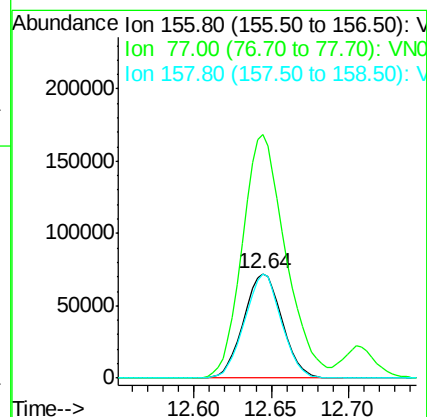
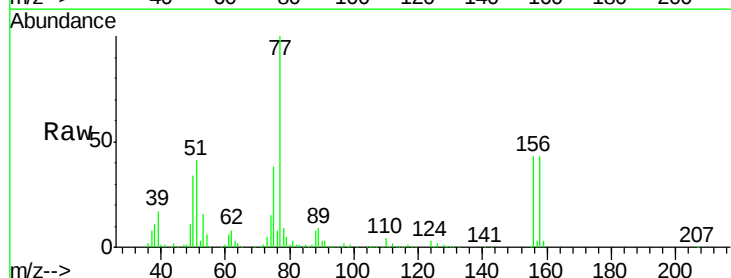
Tgt Ion: 156 Resp: 124527

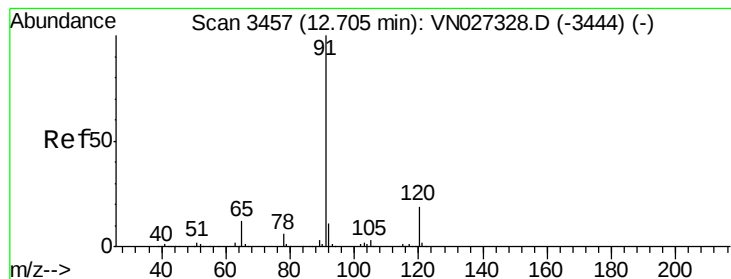
Ion Ratio Lower Upper

156 100

77 261.7 127.3 381.9

158 95.7 48.0 144.2





#79

n-propylbenzene

Concen: 19.03 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

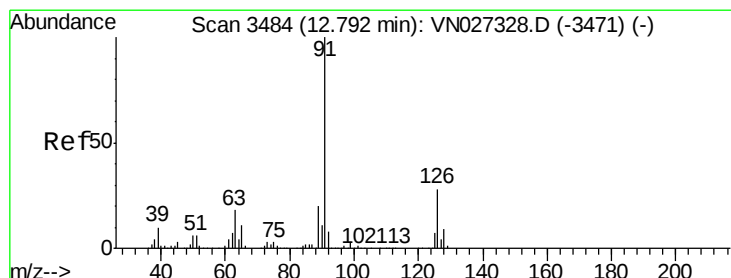
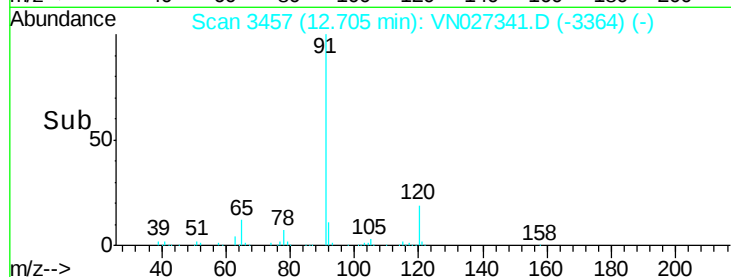
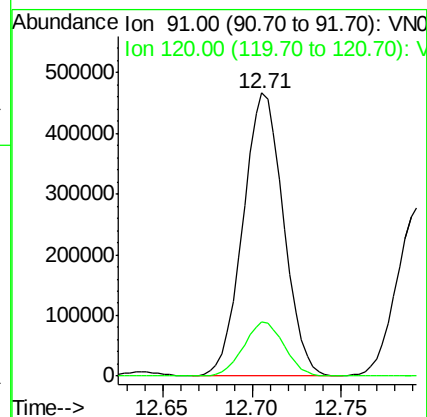
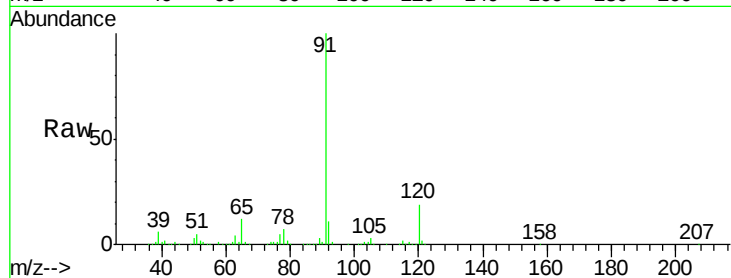
VN0921WBSD01

Tgt Ion: 91 Resp: 735191

Ion Ratio Lower Upper

91 100

120 19.2 10.3 30.8



#80

2-Chlorotoluene

Concen: 19.02 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. 0.00 min

Lab File: VN027341.D

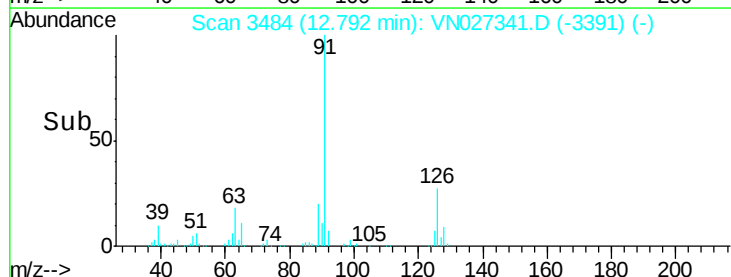
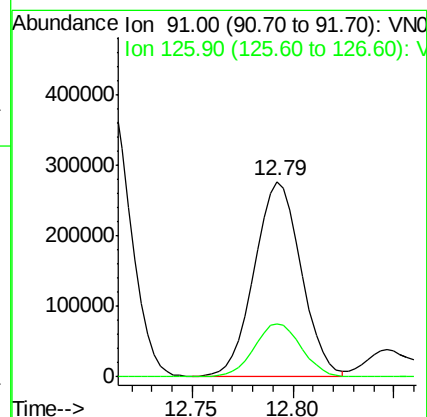
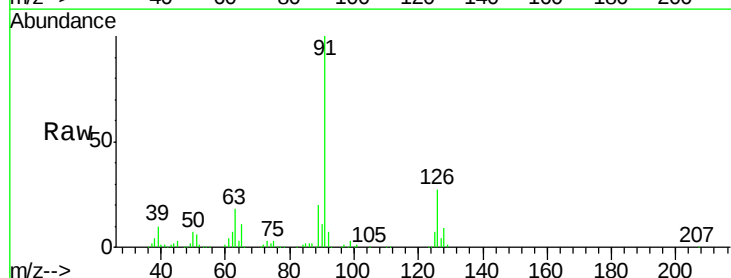
Acq: 21 Sep 2015 20:04

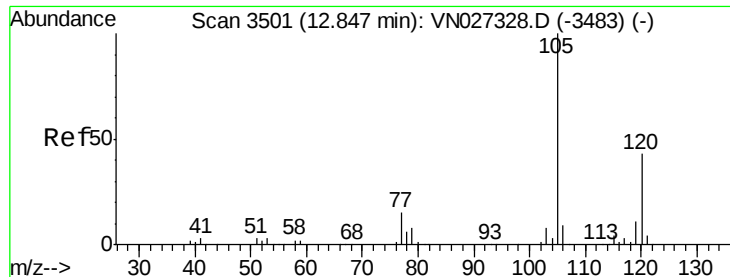
Tgt Ion: 91 Resp: 449195

Ion Ratio Lower Upper

91 100

126 27.6 15.2 45.5

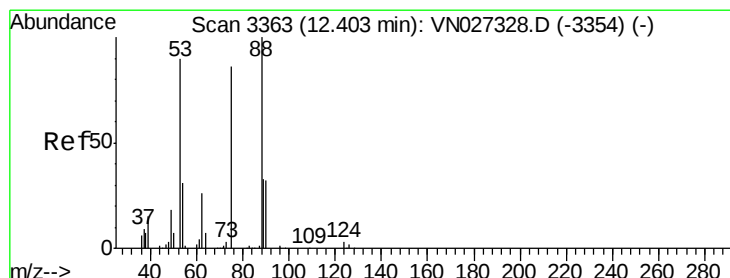
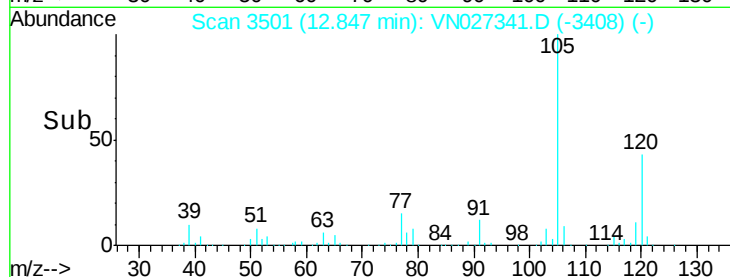
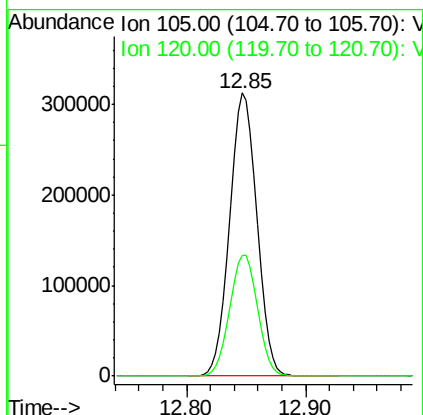
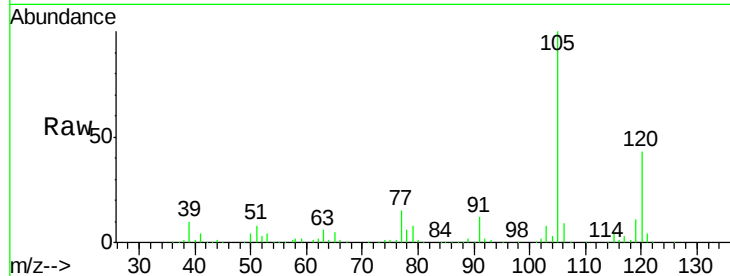




#81
 1,3,5-Trimethylbenzene
 Concen: 18.99 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

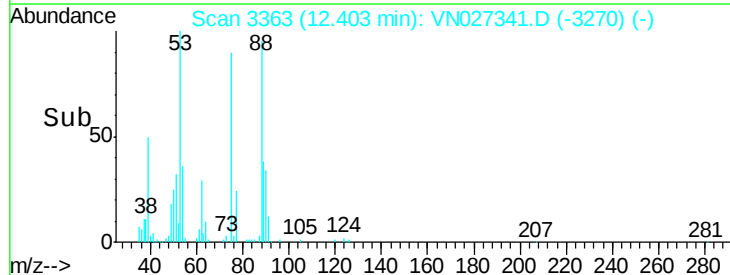
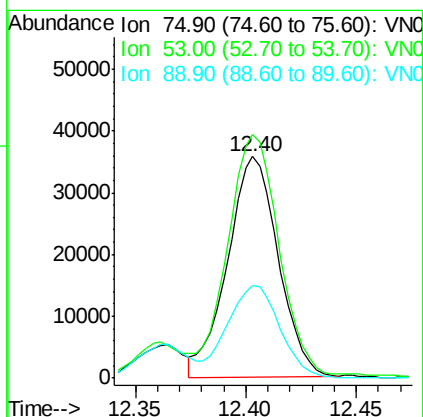
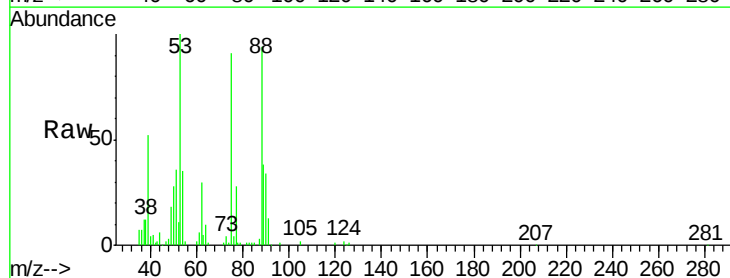
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

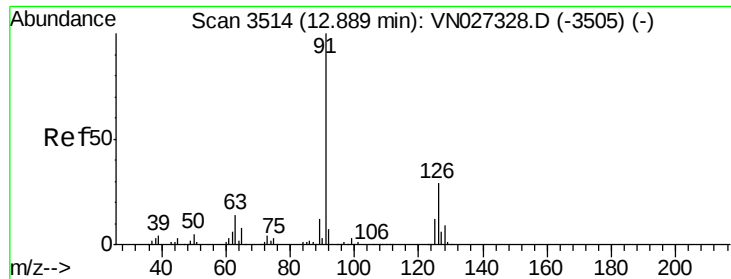
Tgt Ion:105 Resp: 497140
 Ion Ratio Lower Upper
 105 100
 120 43.8 23.4 70.0



#82
 trans-1,4-Dichloro-2-butene
 Concen: 17.90 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion: 75 Resp: 56665
 Ion Ratio Lower Upper
 75 100
 53 111.9 92.9 139.3
 89 43.3 34.2 51.4

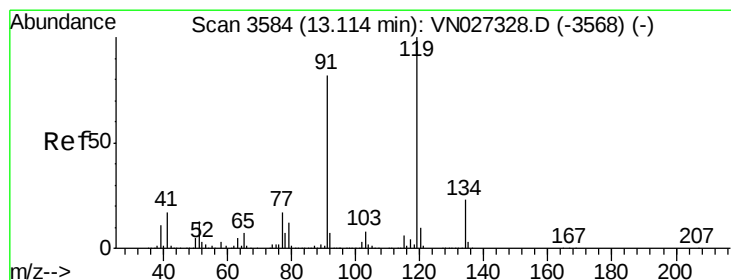
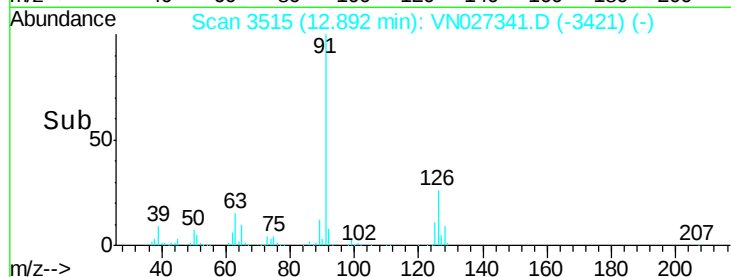
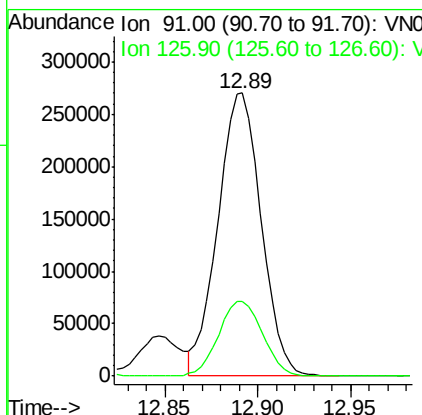
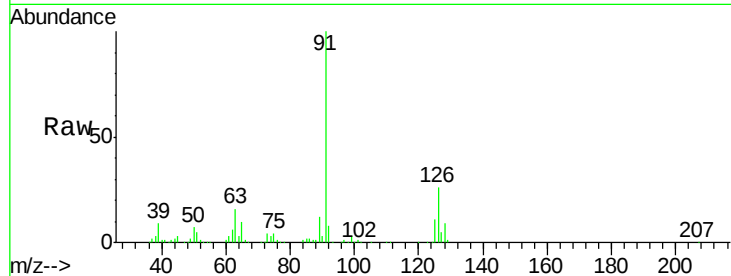




#83
4-Chlorotoluene
Concen: 18.92 ug/l
RT: 12.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

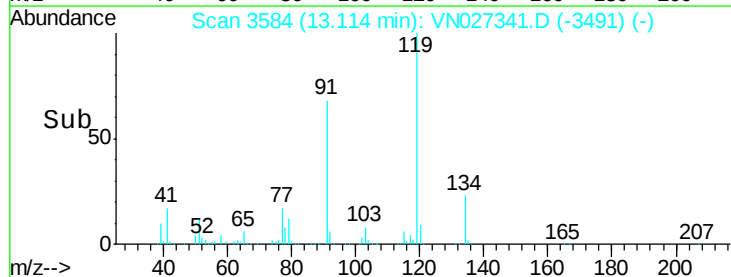
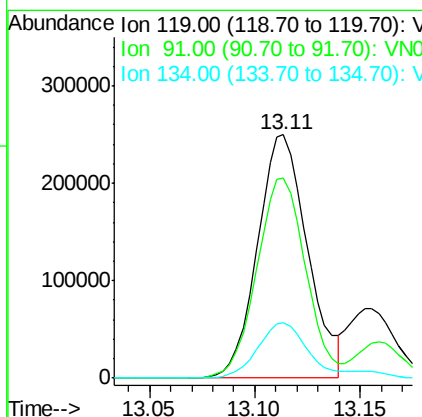
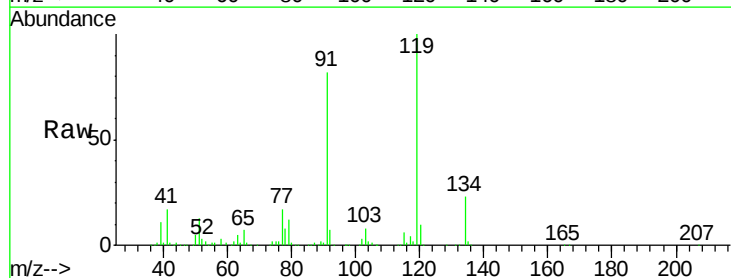
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

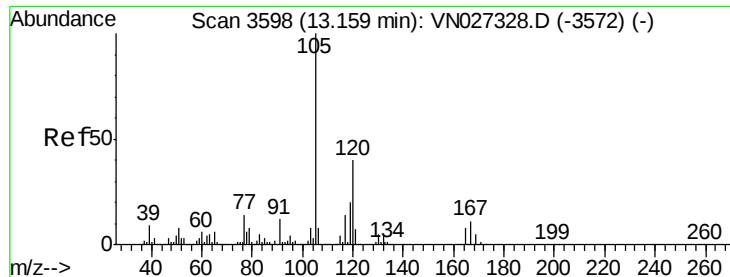
Tgt Ion: 91 Resp: 436046
Ion Ratio Lower Upper
91 100
126 27.0 14.9 44.5



#84
tert-Butylbenzene
Concen: 19.52 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027341.D
Acq: 21 Sep 2015 20:04

Tgt Ion: 119 Resp: 412121
Ion Ratio Lower Upper
119 100
91 80.0 34.6 103.8
134 22.4 11.4 34.2

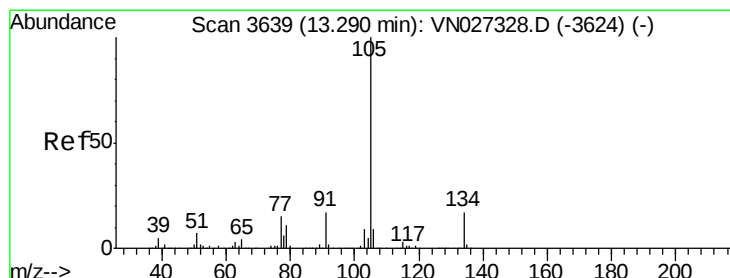
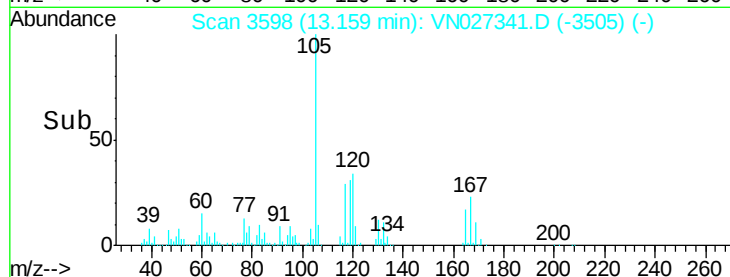
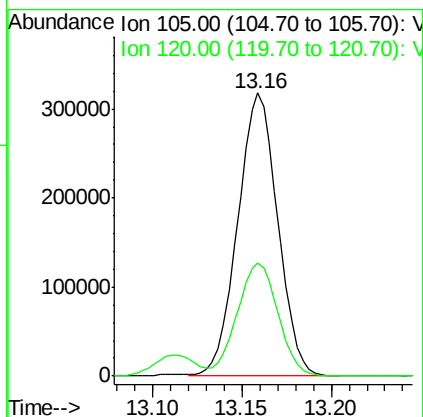
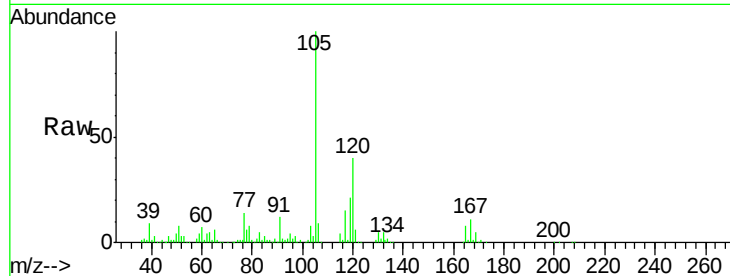




#85
 1,2,4-Trimethylbenzene
 Concen: 19.05 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

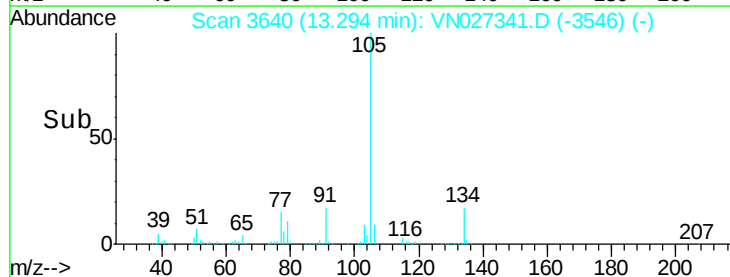
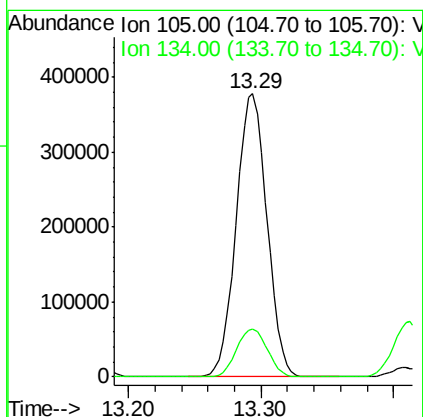
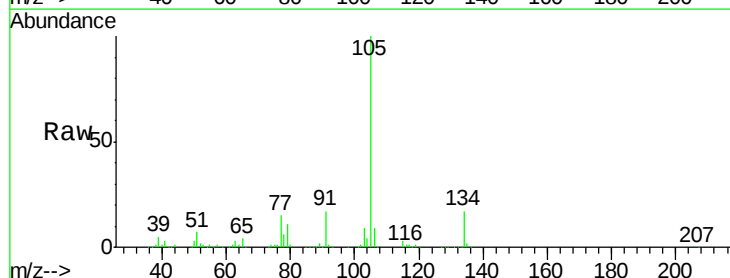
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

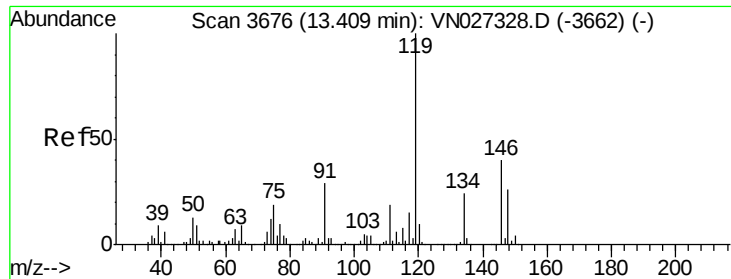
Tgt Ion:105 Resp: 496160
 Ion Ratio Lower Upper
 105 100
 120 41.2 21.9 65.5



#86
 sec-Butylbenzene
 Concen: 19.36 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion:105 Resp: 608836
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.8 26.4

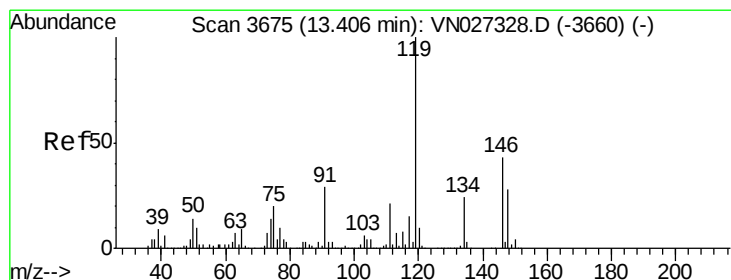
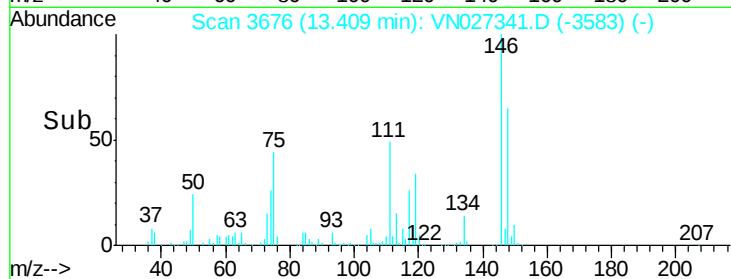
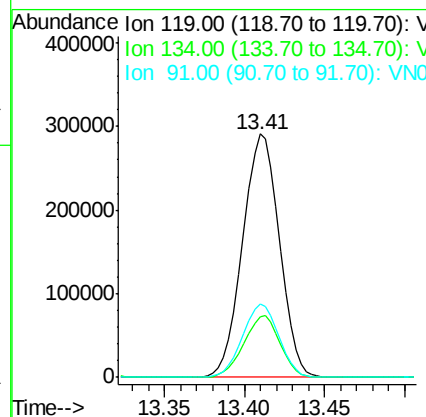
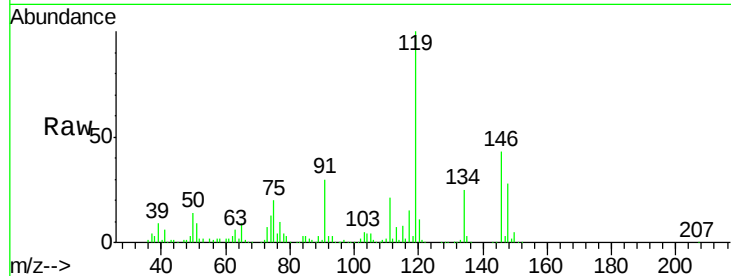




#87
 p-Isopropyltoluene
 Concen: 19.29 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

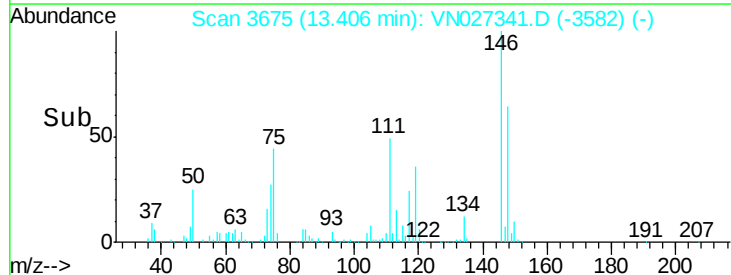
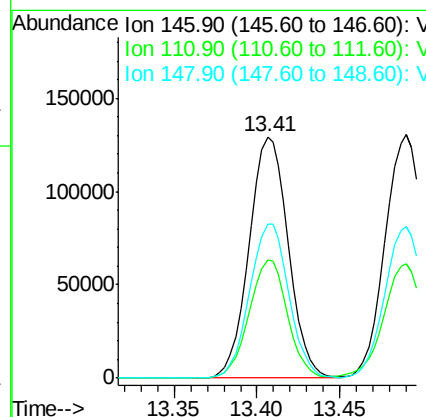
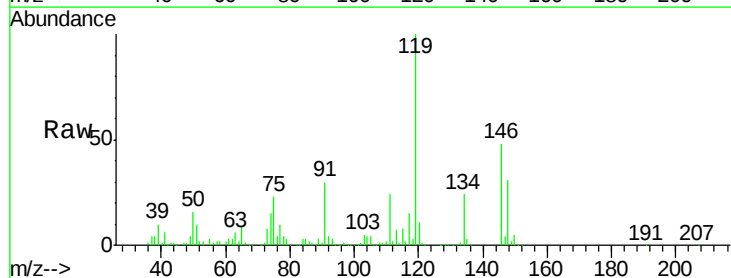
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

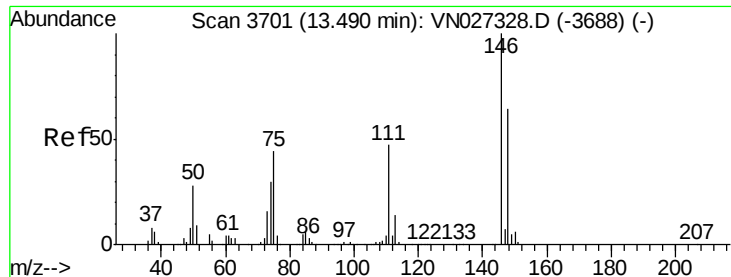
Tgt Ion:119 Resp: 454913
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.4 37.0
 91 29.7 12.0 36.1



#88
 1,3-Dichlorobenzene
 Concen: 19.47 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion:146 Resp: 212954
 Ion Ratio Lower Upper
 146 100
 111 47.7 21.0 63.0
 148 63.8 31.9 95.9

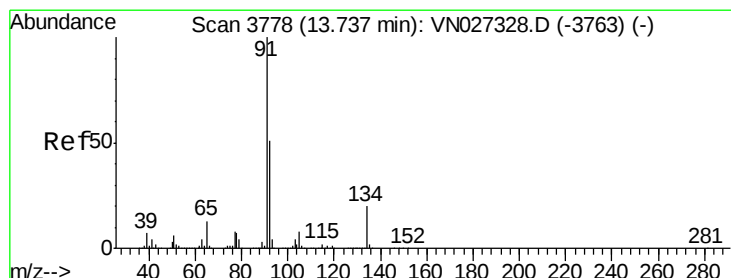
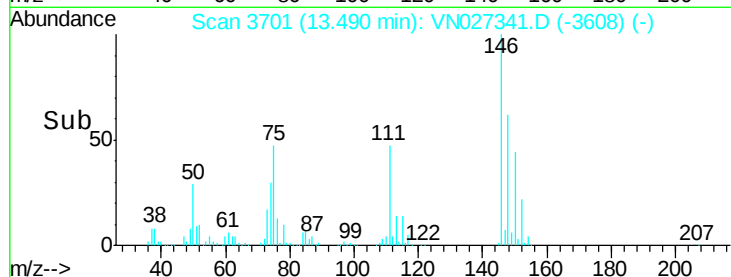
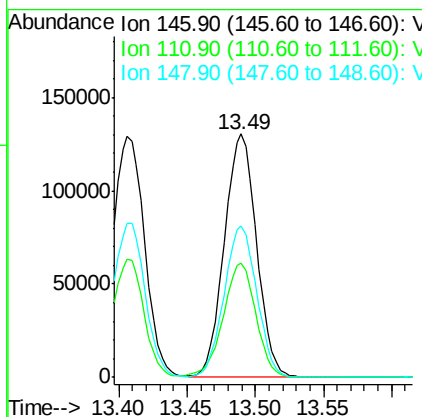
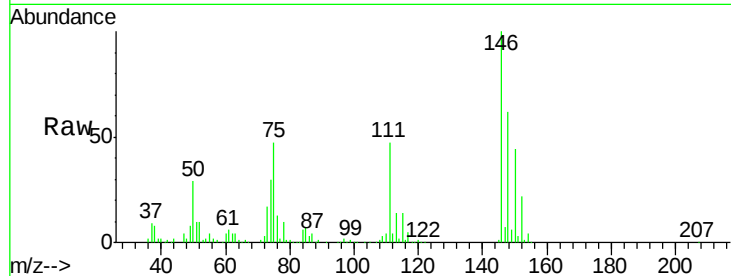




#89
 1,4-Dichlorobenzene
 Concen: 19.31 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

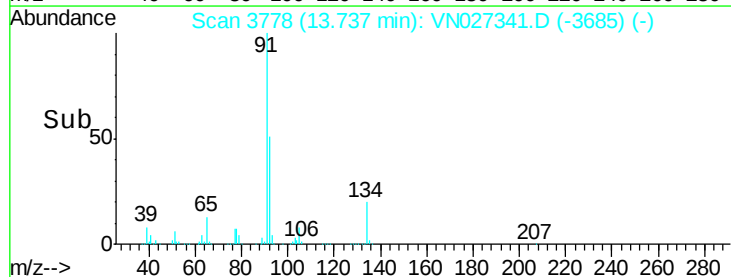
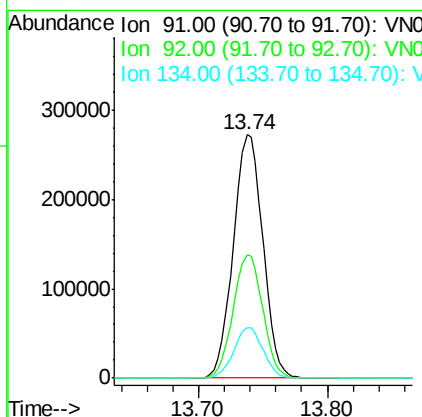
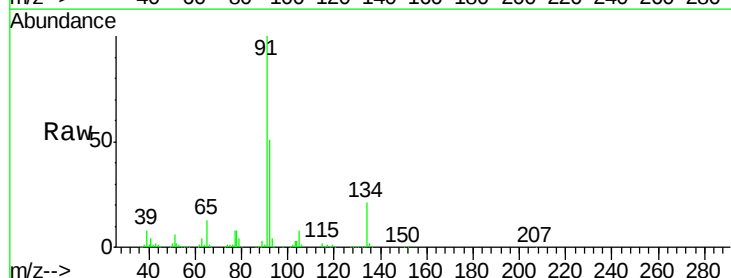
Instrument :
 MSVOA_N
 ClientSampled :
 VN0921WBSD01

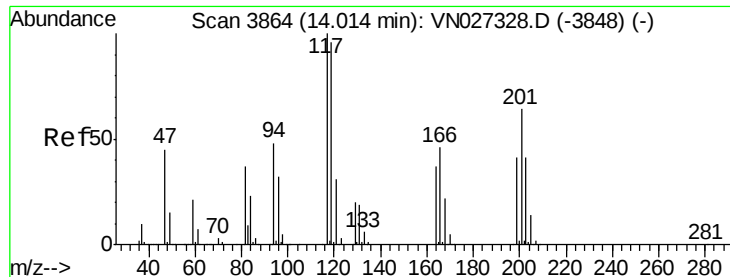
Tgt Ion: 146 Resp: 213758
 Ion Ratio Lower Upper
 146 100
 111 47.6 19.9 59.6
 148 63.3 31.7 95.1



#90
 n-Butylbenzene
 Concen: 18.46 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Tgt Ion: 91 Resp: 434646
 Ion Ratio Lower Upper
 91 100
 92 50.8 26.1 78.2
 134 20.4 11.1 33.1





#91

Hexachloroethane

Concen: 18.33 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

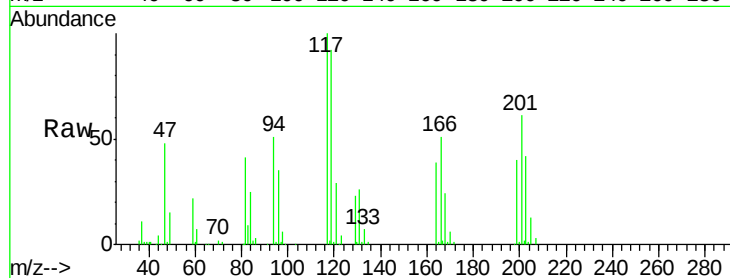
VN0921WBSD01

Tgt Ion:117 Resp: 92433

Ion Ratio Lower Upper

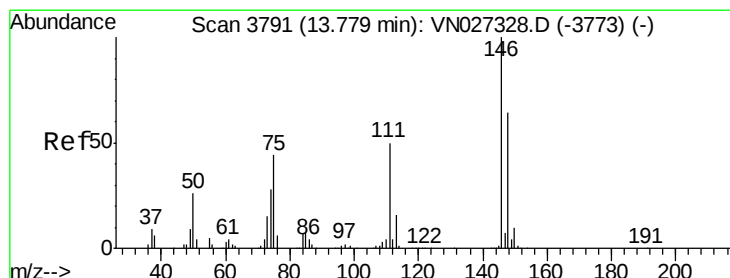
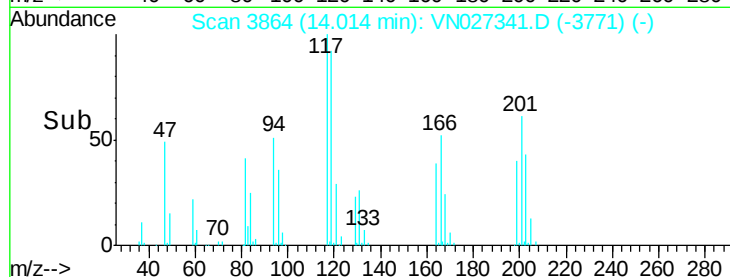
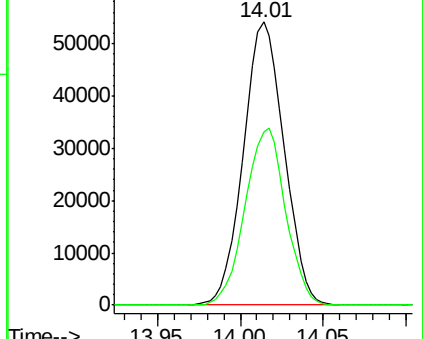
117 100

201 62.1 34.9 104.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dichlorobenzene

Concen: 20.01 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

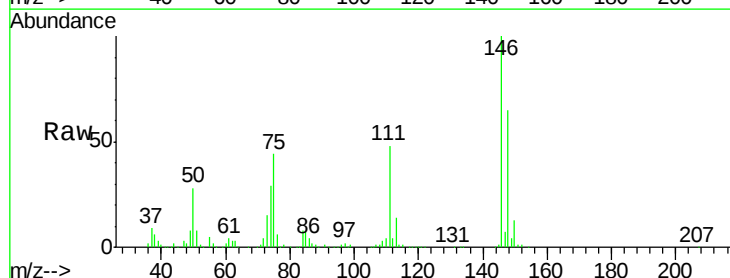
Tgt Ion:146 Resp: 218649

Ion Ratio Lower Upper

146 100

111 48.6 22.1 66.3

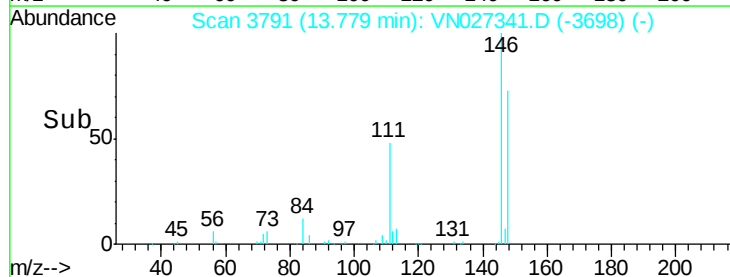
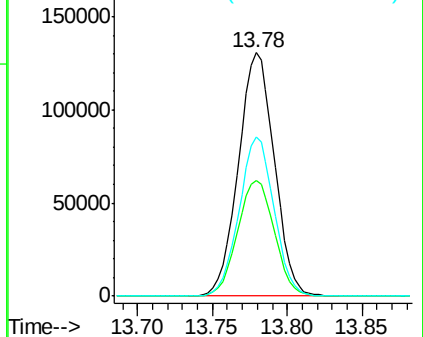
148 63.2 32.0 96.0

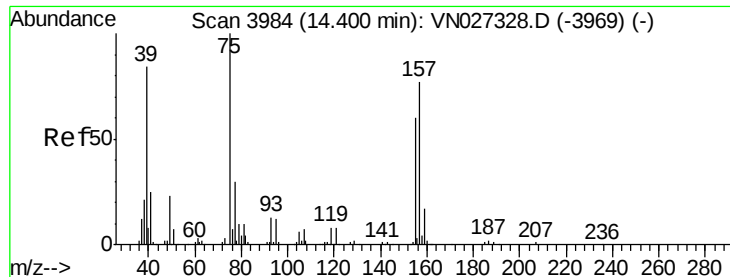


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#93

1,2-Dibromo-3-Chloropropane

Concen: 19.26 ug/l

RT: 14.40 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampled :

VN0921WBSD01

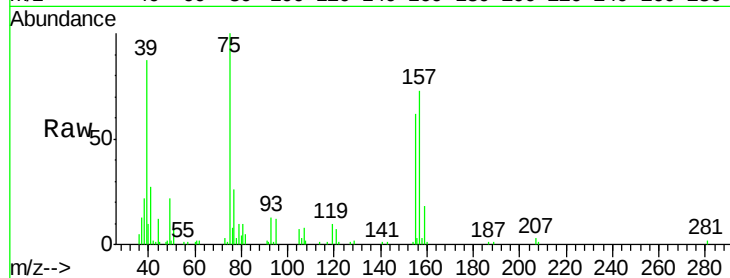
Tgt Ion: 75 Resp: 34421

Ion Ratio Lower Upper

75 100

155 59.8 35.6 106.9

157 73.8 44.6 133.8



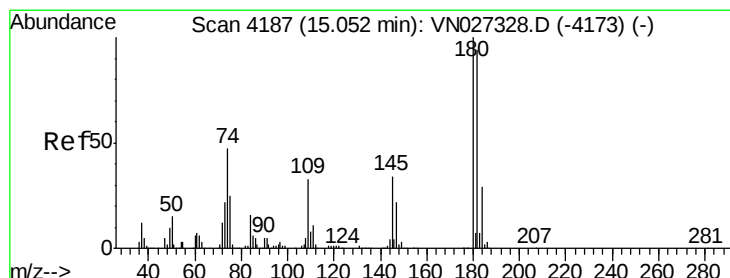
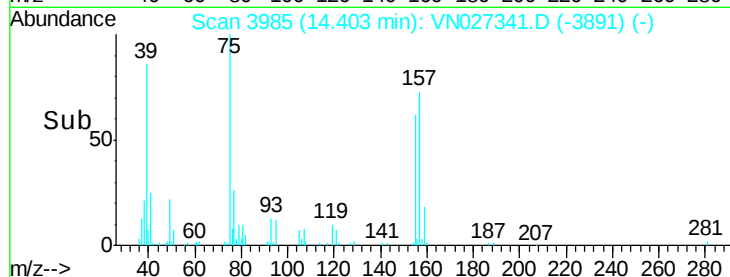
Abundance Ion 74.90 (74.60 to 75.60): VN027328.D (-3969) (-)

Ion 154.80 (154.50 to 155.50): VN027328.D (-3969) (-)

Ion 156.80 (156.50 to 157.50): VN027328.D (-3969) (-)

Time-->

14.40



#94

1,2,4-Trichlorobenzene

Concen: 19.29 ug/l

RT: 15.06 min Scan# 4188

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

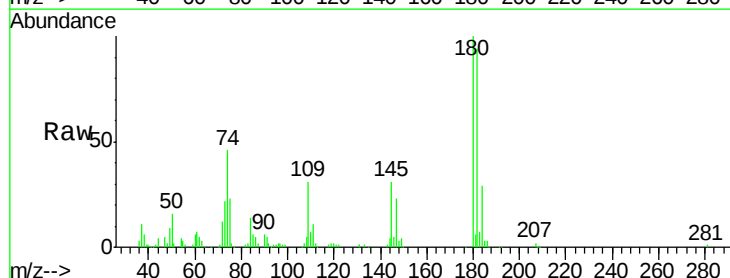
Tgt Ion: 180 Resp: 108946

Ion Ratio Lower Upper

180 100

182 94.5 47.5 142.5

145 32.6 15.1 45.3



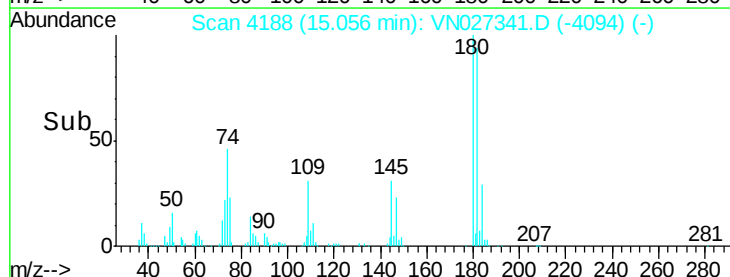
Abundance Ion 179.80 (179.50 to 180.50): VN027328.D (-4173) (-)

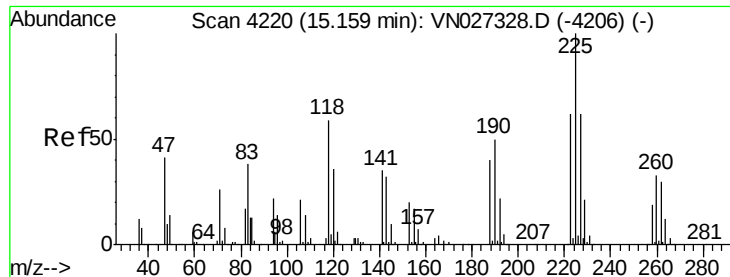
Ion 181.80 (181.50 to 182.50): VN027328.D (-4173) (-)

Ion 144.80 (144.50 to 145.50): VN027328.D (-4173) (-)

Time-->

15.06





#95

Hexachlorobutadiene

Concen: 18.77 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

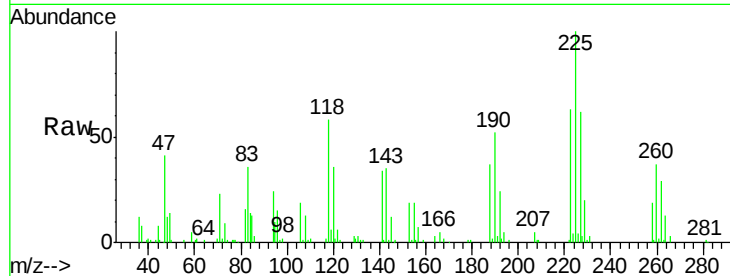
Tgt Ion:225 Resp: 58074

Ion Ratio Lower Upper

225 100

223 62.9 30.8 92.3

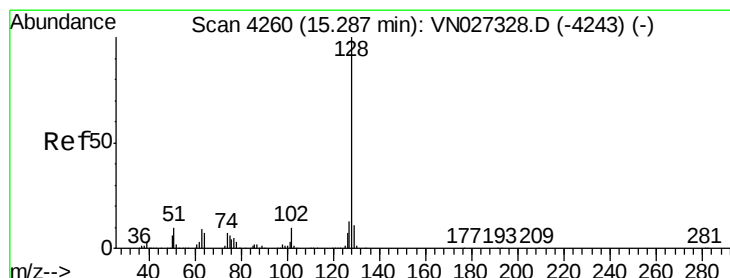
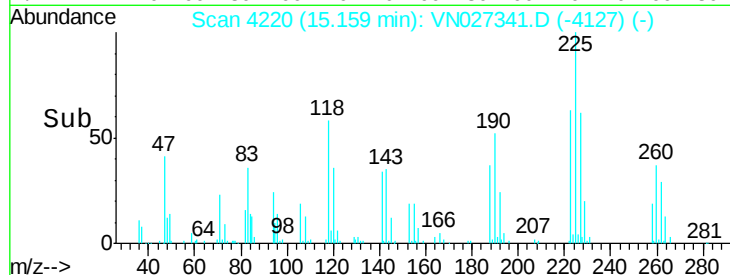
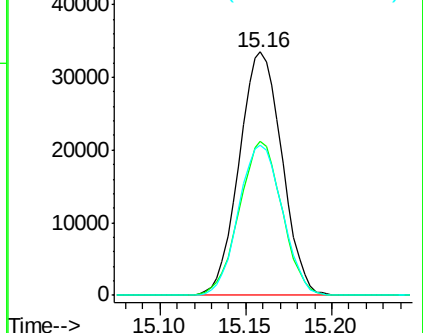
227 63.0 31.7 95.1



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



#96

Naphthalene

Concen: 19.54 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN027341.D

Acq: 21 Sep 2015 20:04

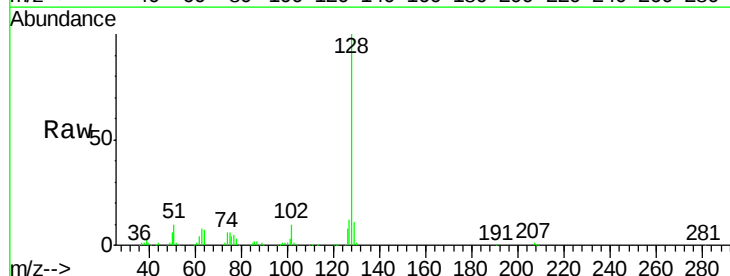
Tgt Ion:128 Resp: 294489

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

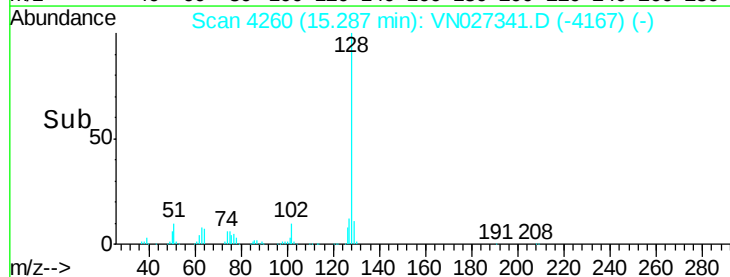
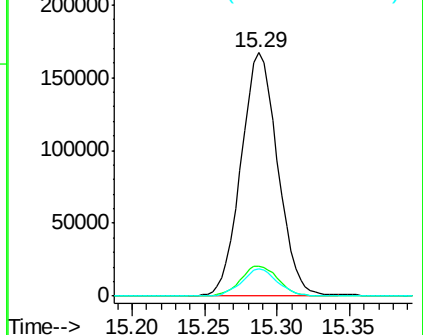
129 10.8 8.6 12.8

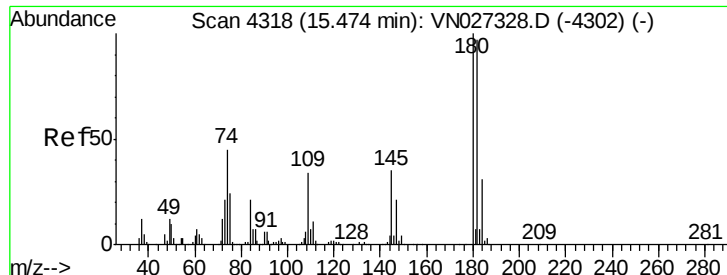


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

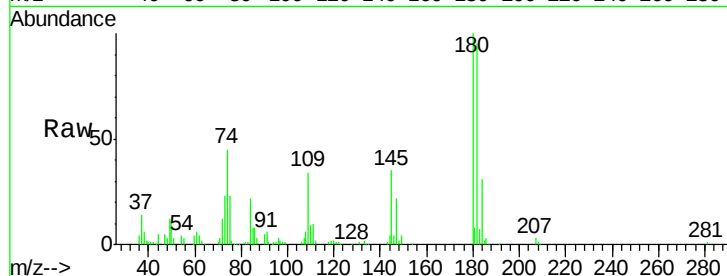




#97
 1,2,3-Trichlorobenzene
 Concen: 19.39 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027341.D
 Acq: 21 Sep 2015 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.8	146.4
145	34.6	16.6	49.8



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

