

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091715\
 Data File : VN027288.D
 Acq On : 18 Sep 2015 7:18
 Operator : MD\FY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 18 08:11:28 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	505095	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	974705	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	826593	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	324176	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	522653	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
36) Dibromofluoromethane	7.68	113	334049	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
51) Toluene-d8	10.19	98	1289305	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
63) 4-Bromofluorobenzene	12.52	95	460957	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	275367	45.56	ug/l	98
3) Chlorodifluoromethane	1.82	51	352425	50.39	ug/l	94
4) Chloromethane	2.01	50	290780	43.11	ug/l	100
5) Vinyl Chloride	2.14	62	340178	47.66	ug/l	98
6) Bromomethane	2.54	94	59843	18.13	ug/l	98
7) Chloroethane	2.69	64	226025	46.58	ug/l	99
8) Trichlorofluoromethane	3.02	101	519825	48.21	ug/l	99
9) Diethyl Ether	3.42	74	238015	47.97	ug/l	84
10) 1,1,2-Trichlorotrifluoroet	3.79	101	321160	47.42	ug/l	96
11) Methyl Iodide	3.99	142	102618	15.59	ug/l	92
12) Tert butyl alcohol	4.80	59	218162	215.58	ug/l	97
13) 1,1-Dichloroethene	3.77	96	312487	48.19	ug/l	96
14) Acrolein	3.62	56	111483	93.78	ug/l	98
15) Allyl chloride	4.37	41	567716	43.34	ug/l	# 81
16) Acrylonitrile	5.02	53	797378	240.95	ug/l	98
17) Acetone	3.82	43	630378	225.92	ug/l	98
18) Carbon Disulfide	4.11	76	916416	43.39	ug/l	99
19) Methyl Acetate	4.36	43	991842	49.08	ug/l	95
20) Methyl tert-butyl Ether	5.11	73	1248582	47.96	ug/l	97
21) Methylene Chloride	4.60	84	380183	48.91	ug/l	98
22) trans-1,2-Dichloroethene	5.13	96	336996	48.04	ug/l	96
23) Diisopropyl ether	6.04	45	1321558	48.09	ug/l	# 89
24) Vinyl Acetate	5.97	43	2122072	233.29	ug/l	97
25) 1,1-Dichloroethane	5.93	63	762929	47.78	ug/l	100
26) 2-Butanone	6.91	43	975380	232.14	ug/l	95
27) 2,2-Dichloropropane	6.92	77	473012	34.15	ug/l	96
28) cis-1,2-Dichloroethene	6.92	96	402960	50.09	ug/l	98
29) Bromochloromethane	7.29	49	313496	50.59	ug/l	96
30) Tetrahydrofuran	7.31	42	638741	220.58	ug/l	90
31) Chloroform	7.46	83	728343	50.49	ug/l	98
32) Cyclohexane	7.77	56	693911	48.80	ug/l	93
33) 1,1,1-Trichloroethane	7.67	97	631151	49.07	ug/l	96
37) 1,1-Dichloropropene	7.89	75	545777	47.83	ug/l	98
38) Ethyl Acetate	7.02	43	447554	46.06	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	505562	47.13	ug/l	97
40) Methylcyclohexane	9.19	83	636150	45.78	ug/l	96
41) Benzene	8.14	78	1598973	48.03	ug/l	99
42) Methacrylonitrile	7.24	41	257469	46.68	ug/l #	90
43) 1,2-Dichloroethane	8.22	62	641178	47.81	ug/l	95
44) Isopropyl Acetate	8.25	43	832407	45.65	ug/l	97
45) Trichloroethene	8.93	130	324237	48.49	ug/l	87
46) 1,2-Dichloropropane	9.21	63	448638	46.84	ug/l	99
47) Dibromomethane	9.30	93	267369	47.54	ug/l	92
48) Bromodichloromethane	9.49	83	567495	47.88	ug/l	100
49) Methyl methacrylate	9.29	41	408285	44.95	ug/l #	87
50) 1,4-Dioxane	9.30	88	91826	861.88	ug/l	96
52) 4-Methyl-2-Pentanone	10.07	43	2188527	227.02	ug/l	99
53) Toluene	10.26	92	942515	48.33	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	582102	43.74	ug/l	98
55) cis-1,3-Dichloropropene	9.93	75	633415	43.75	ug/l	94
56) 1,1,2-Trichloroethane	10.66	97	357604	48.80	ug/l	98
57) Ethyl methacrylate	10.52	69	573798	46.46	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	653839	48.06	ug/l	99
59) 2-Chloroethyl Vinyl ether	9.78	63	1265064	223.09	ug/l	97
60) 2-Hexanone	10.84	43	1463854	223.03	ug/l	100
61) Dibromochloromethane	11.00	129	351288	46.94	ug/l	100
62) 1,2-Dibromoethane	11.11	107	343486	47.70	ug/l	100
65) Tetrachloroethene	10.74	164	269025	50.89	ug/l	95
66) Chlorobenzene	11.54	112	941001	48.22	ug/l	97
67) 1,1,1,2-Tetrachloroethane	11.62	131	319994	48.07	ug/l	98
68) Ethyl Benzene	11.62	91	1772443	47.90	ug/l	100
69) m/p-Xylenes	11.73	106	1215079	95.17	ug/l	89
70) o-Xylene	12.06	106	610820	47.73	ug/l	90
71) Styrene	12.07	104	1013116	49.03	ug/l	95
72) Bromoform	12.24	173	207390	44.80	ug/l #	99
74) Isopropylbenzene	12.36	105	1650633	46.21	ug/l	98
75) N-amyl acetate	12.17	43	720993	45.22	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	468582	50.87	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	600575	61.30	ug/l	60
78) Bromobenzene	12.64	156	321798	45.94	ug/l	94
79) n-propylbenzene	12.71	91	1973111	46.95	ug/l	97
80) 2-Chlorotoluene	12.79	91	1182396	46.85	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1327554	46.26	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	117290	29.41	ug/l	93
83) 4-Chlorotoluene	12.89	91	1181835	47.66	ug/l	95
84) tert-Butylbenzene	13.11	119	1061645	44.84	ug/l	88
85) 1,2,4-Trimethylbenzene	13.16	105	1325996	46.00	ug/l	96
86) sec-Butylbenzene	13.29	105	1620227	46.71	ug/l	99
87) p-Isopropyltoluene	13.41	119	1230334	46.05	ug/l	95
88) 1,3-Dichlorobenzene	13.41	146	567036	47.30	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	557166	45.89	ug/l	95
90) n-Butylbenzene	13.74	91	1218622	47.00	ug/l	98
91) Hexachloroethane	14.01	117	239079	40.89	ug/l	93
92) 1,2-Dichlorobenzene	13.78	146	565984	47.78	ug/l	96

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QLast Update : Tue Sep 15 21:12:09 2015
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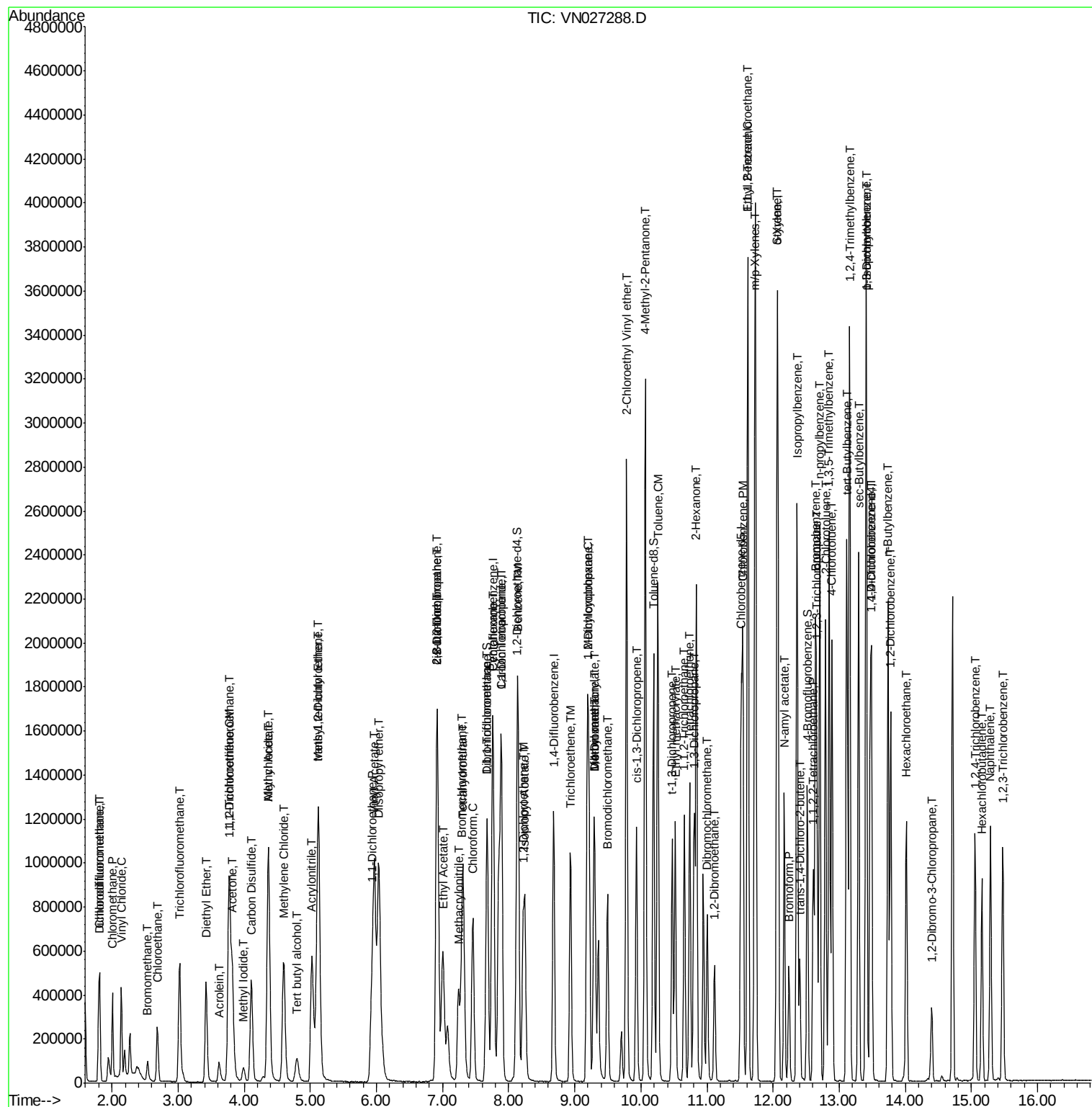
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	92531	45.22	ug/l	85
94) 1,2,4-Trichlorobenzene	15.05	180	307107	47.99	ug/l	98
95) Hexachlorobutadiene	15.16	225	152392	45.22	ug/l	98
96) Naphthalene	15.29	128	894188	47.66	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	314295	49.41	ug/l	97

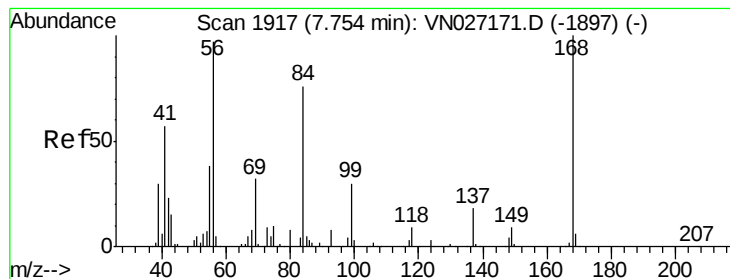
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

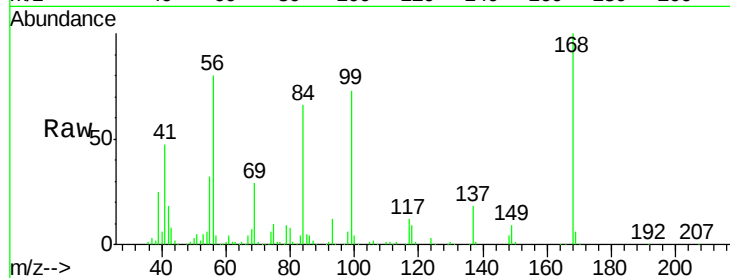
VSTDCCC050EC

Tgt Ion:168 Resp: 505095

Ion Ratio Lower Upper

168 100

99 72.4 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

250000

200000

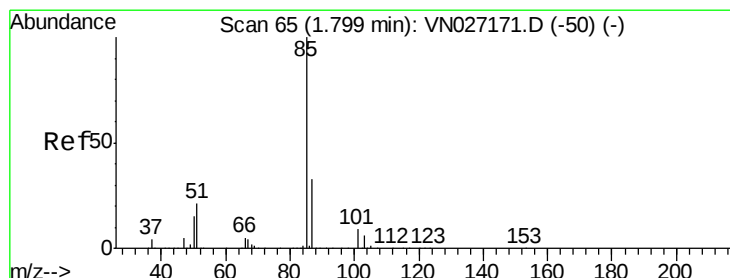
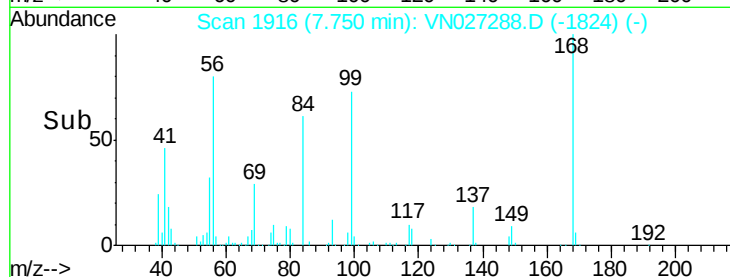
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.56 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027288.D

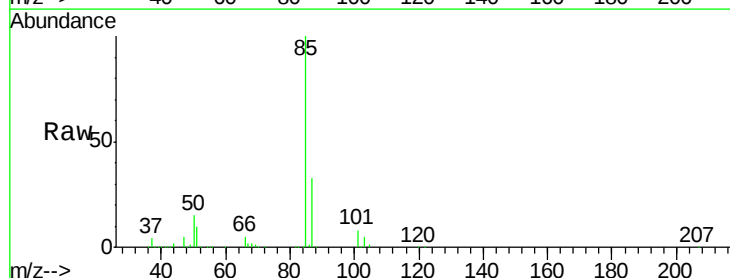
Acq: 18 Sep 2015 7:18

Tgt Ion: 85 Resp: 275367

Ion Ratio Lower Upper

85 100

87 33.5 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

200000

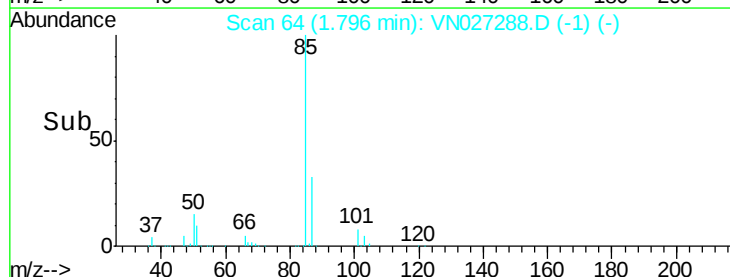
150000

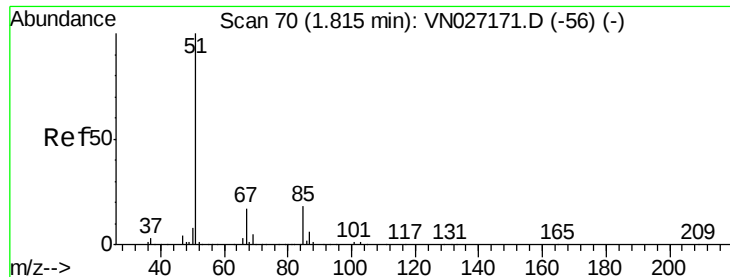
100000

50000

0

Time-->





#3

Chlorodifluoromethane

Concen: 50.39 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

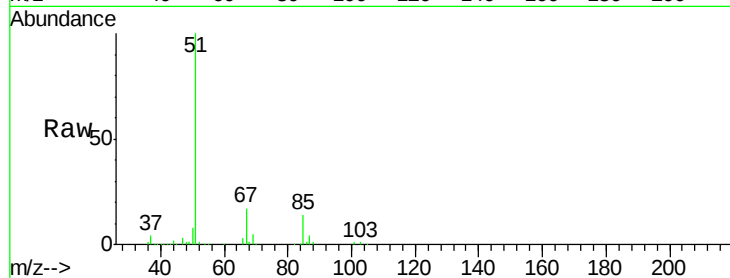
VSTDCCC050EC

Tgt Ion: 51 Resp: 352425

Ion Ratio Lower Upper

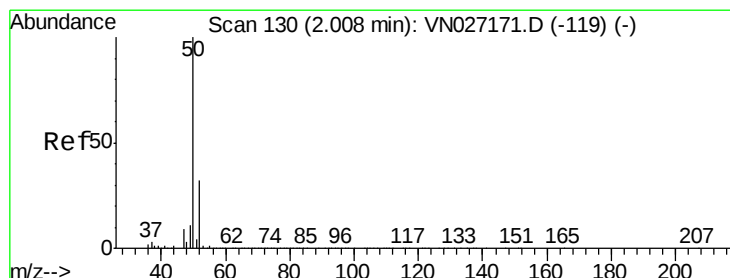
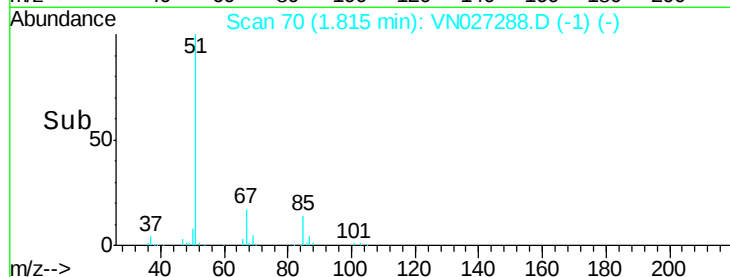
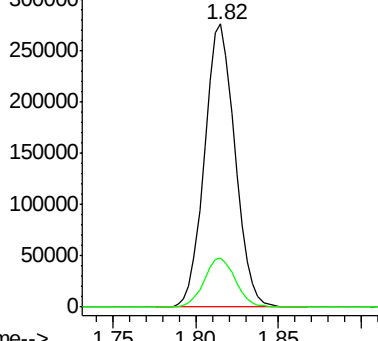
51 100

67 17.7 12.2 18.2



Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#4

Chloromethane

Concen: 43.11 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027288.D

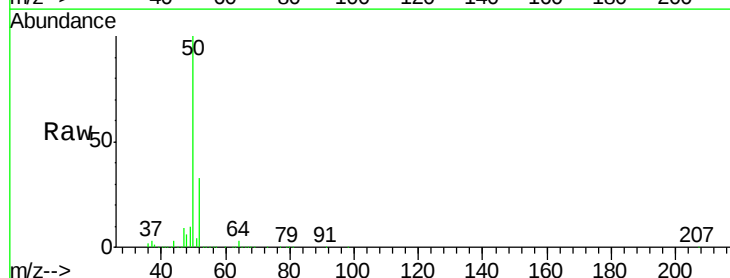
Acq: 18 Sep 2015 7:18

Tgt Ion: 50 Resp: 290780

Ion Ratio Lower Upper

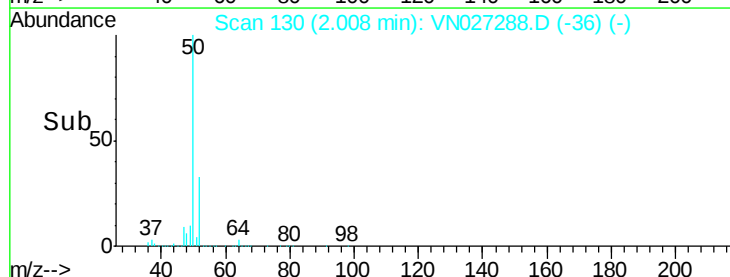
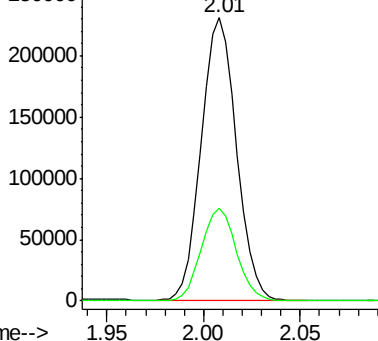
50 100

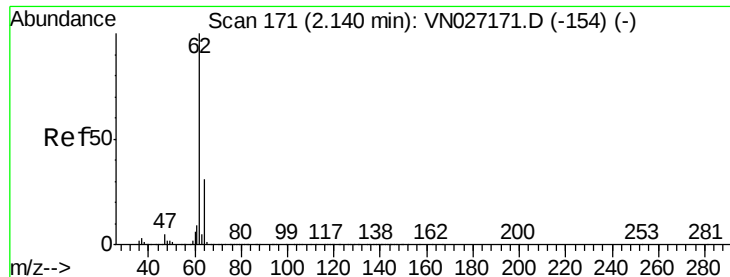
52 32.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Vinyl Chloride

Concen: 47.66 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

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Acq: 18 Sep 2015 7:18

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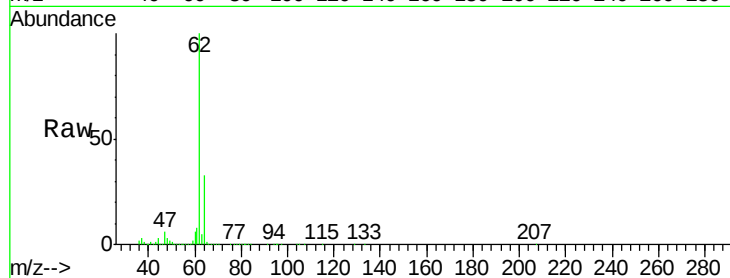
VSTDCCC050EC

Tgt Ion: 62 Resp: 340178

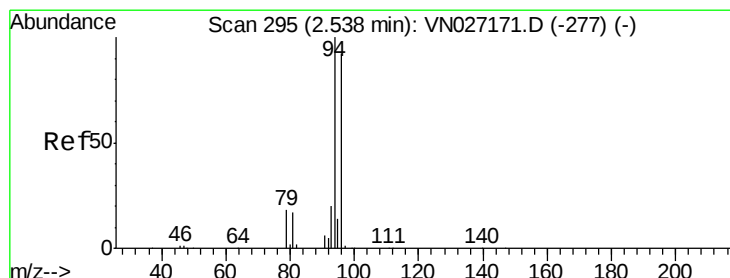
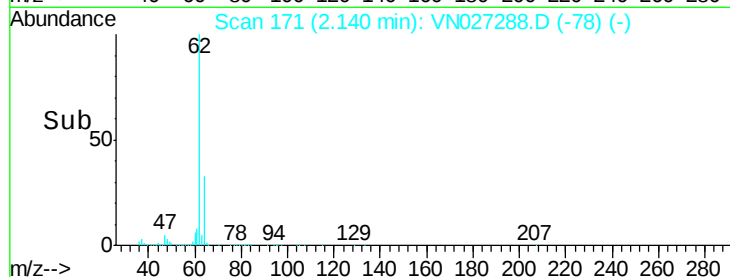
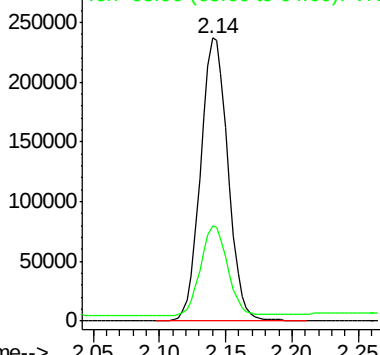
Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO



#6

Bromomethane

Concen: 18.13 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VN027288.D

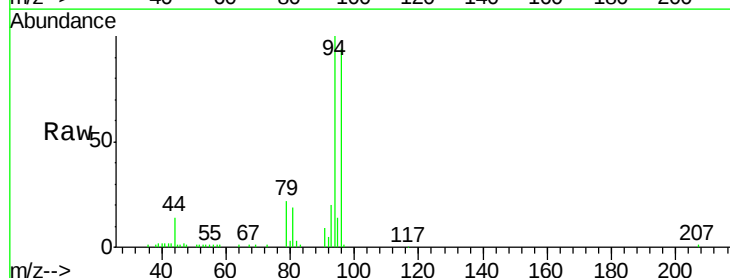
Acq: 18 Sep 2015 7:18

Tgt Ion: 94 Resp: 59843

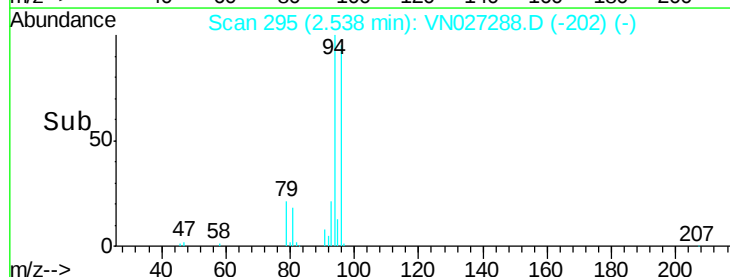
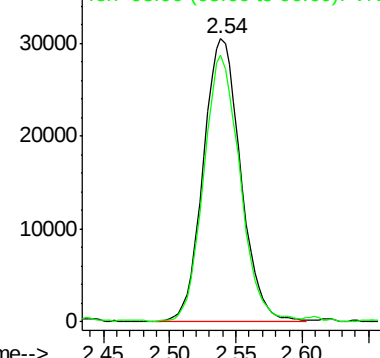
Ion Ratio Lower Upper

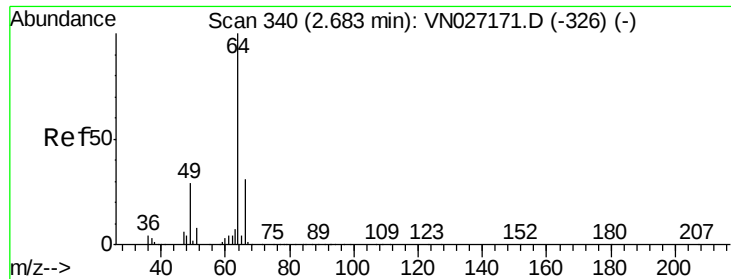
94 100

96 94.2 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO





#7

Chloroethane

Concen: 46.58 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

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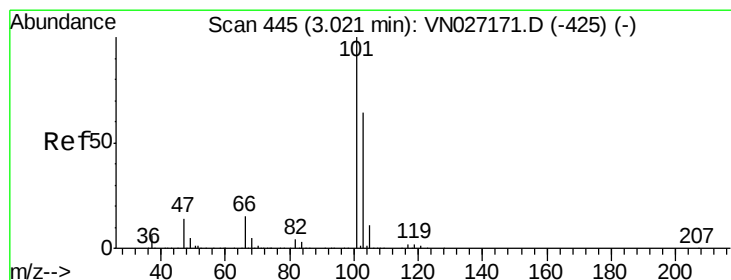
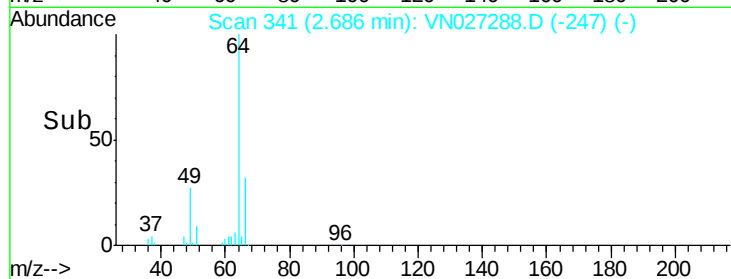
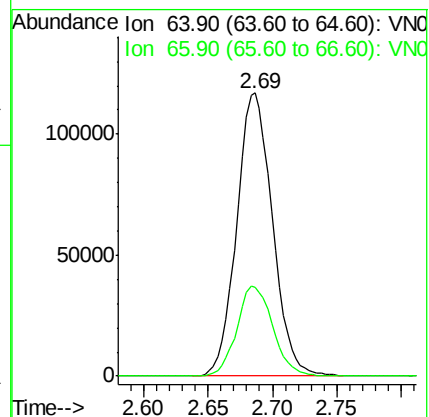
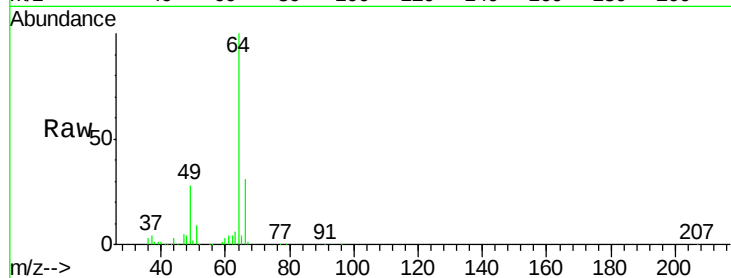
VSTDCCC050EC

Tgt Ion: 64 Resp: 226025

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3



#8

Trichlorofluoromethane

Concen: 48.21 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027288.D

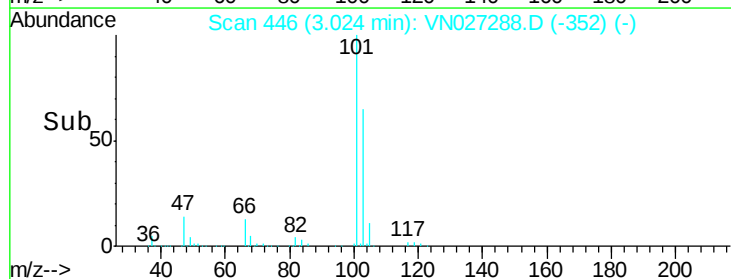
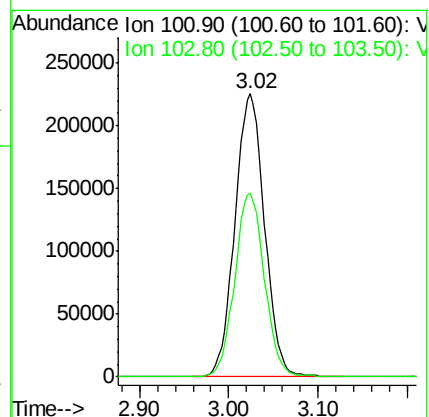
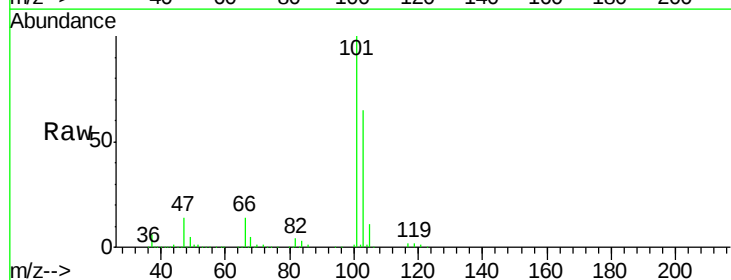
Acq: 18 Sep 2015 7:18

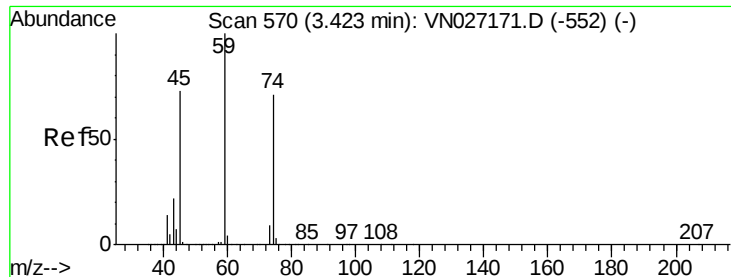
Tgt Ion: 101 Resp: 519825

Ion Ratio Lower Upper

101 100

103 64.7 52.6 79.0





#9

Diethyl Ether

Concen: 47.97 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

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ClientSampleId :

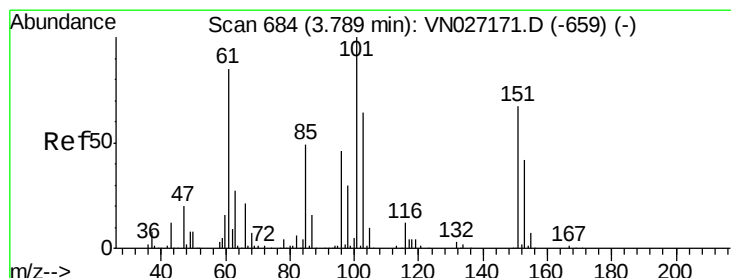
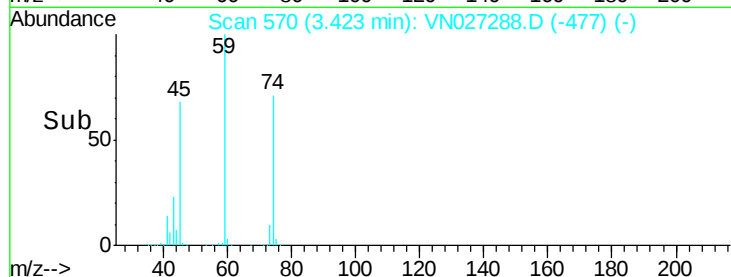
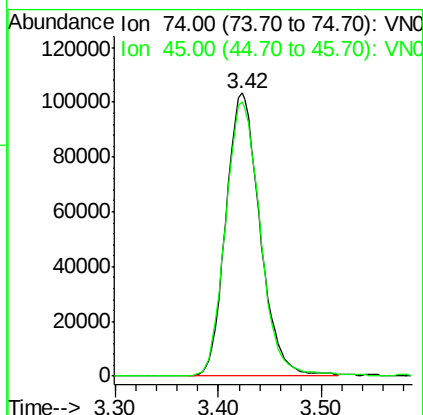
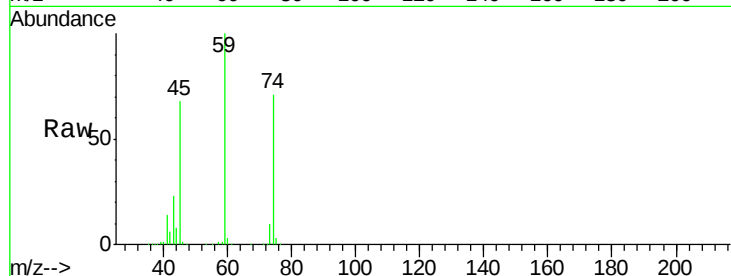
VSTDCCC050EC

Tgt Ion: 74 Resp: 238015

Ion Ratio Lower Upper

74 100

45 99.3 58.1 174.3



#10

1,1,2-Trichlorotrifluoroethane

Concen: 47.42 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

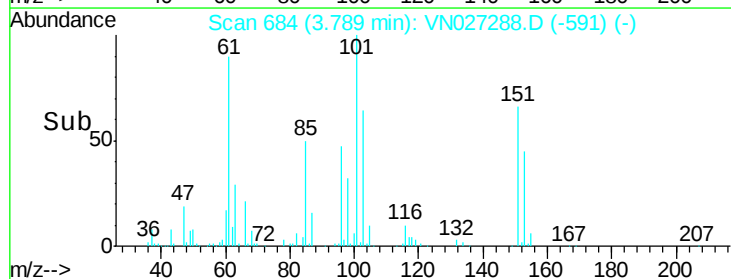
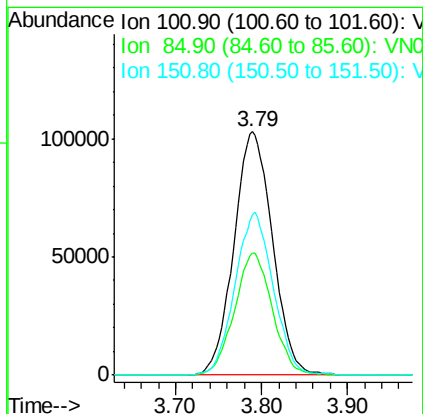
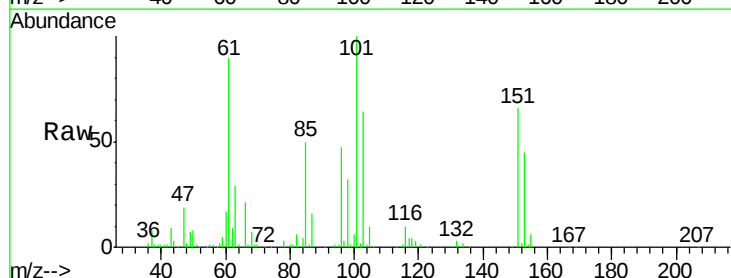
Tgt Ion: 101 Resp: 321160

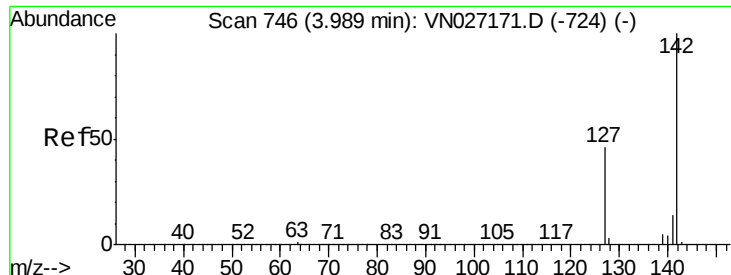
Ion Ratio Lower Upper

101 100

85 49.1 37.4 56.0

151 66.0 55.9 83.9

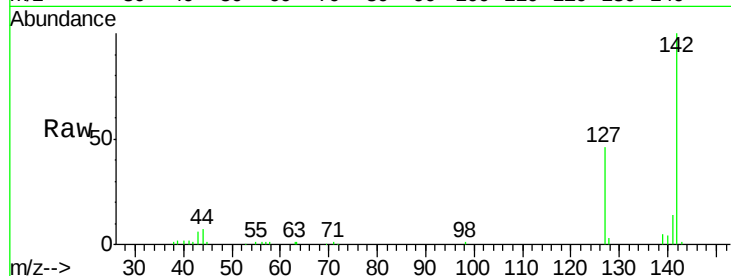




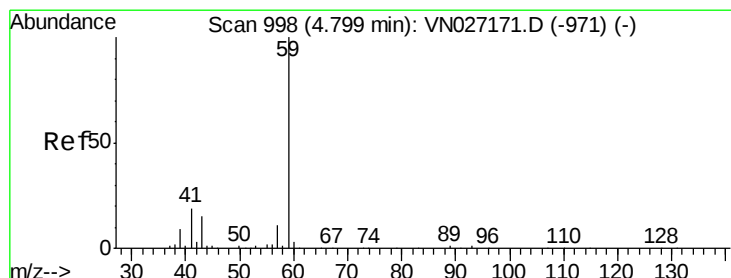
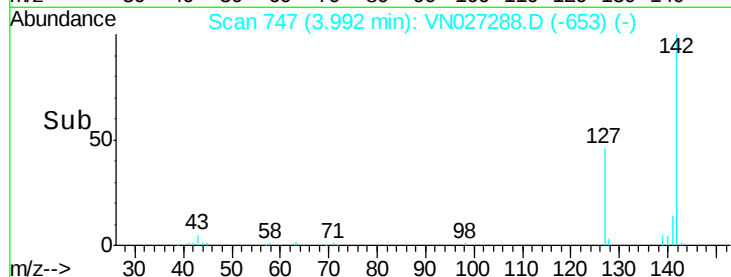
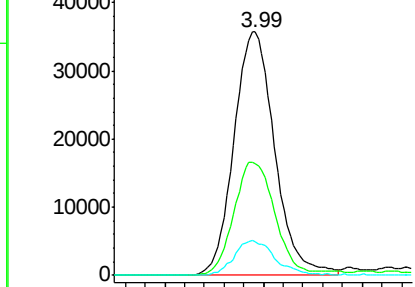
#11
Methyl Iodide
Concen: 15.59 ug/l
RT: 3.99 min Scan# 747
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 142 Resp: 102618
Ion Ratio Lower Upper
142 100
127 46.7 32.3 48.5
141 14.2 11.2 16.8

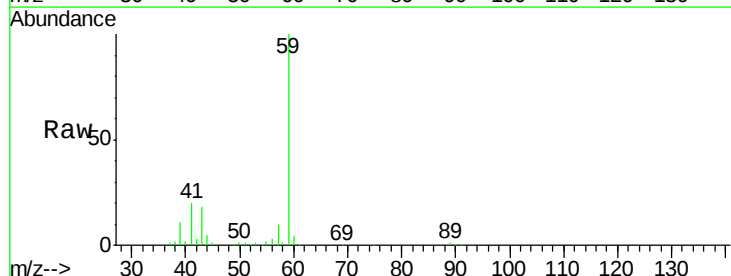


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

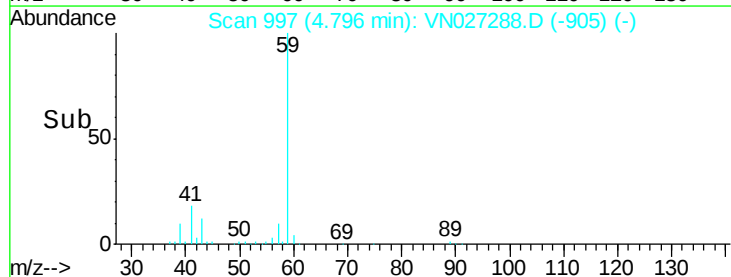
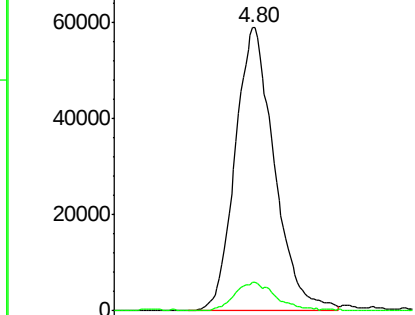


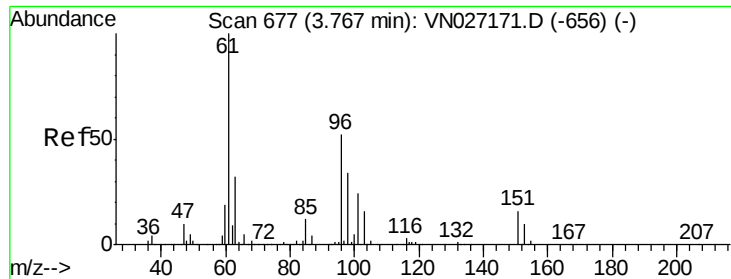
#12
Tert butyl alcohol
Concen: 215.58 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion: 59 Resp: 218162
Ion Ratio Lower Upper
59 100
57 10.7 7.6 11.4



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

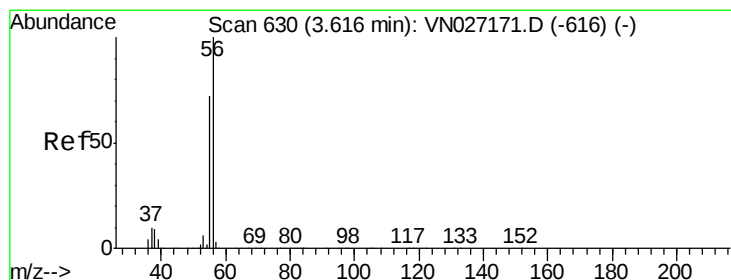
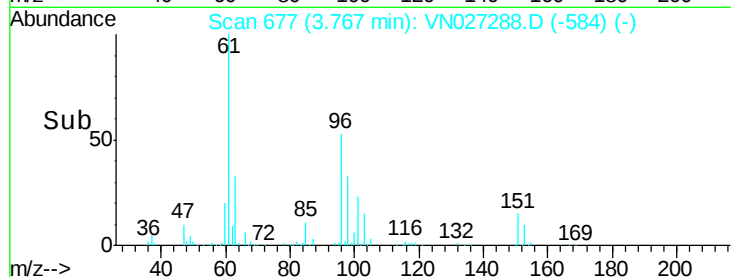
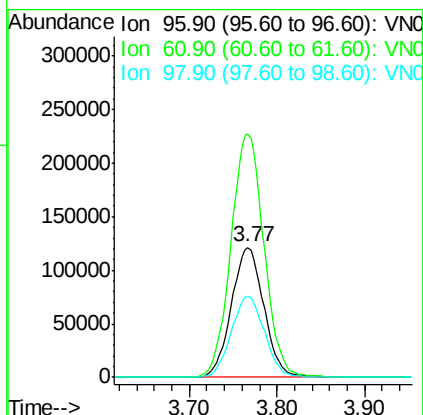
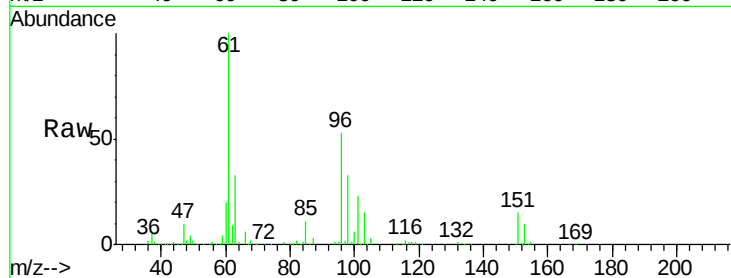




#13
 1,1-Dichloroethene
 Concen: 48.19 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

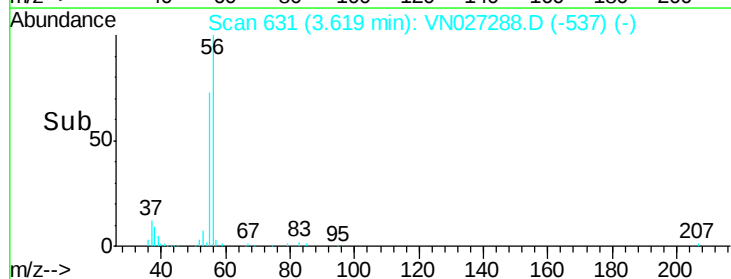
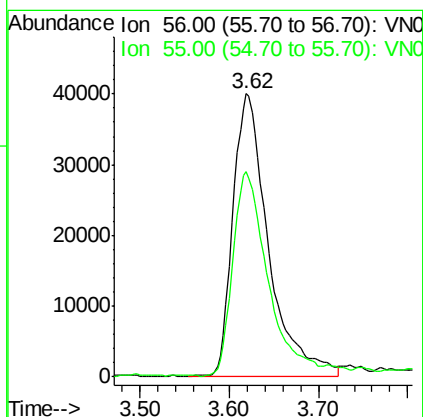
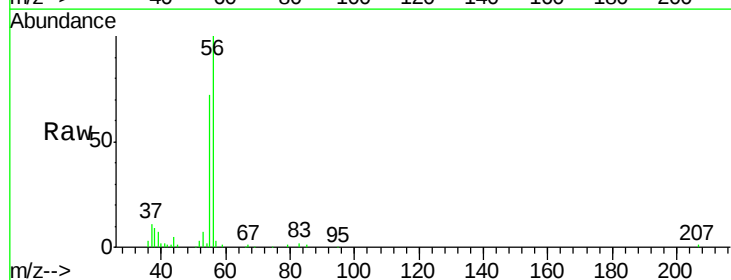
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

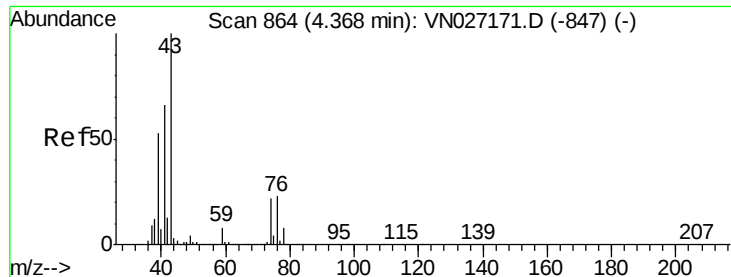
Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.3	143.8	215.8
98	62.2	50.3	75.5



#14
 Acrolein
 Concen: 93.78 ug/l
 RT: 3.62 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.6	55.7	83.5

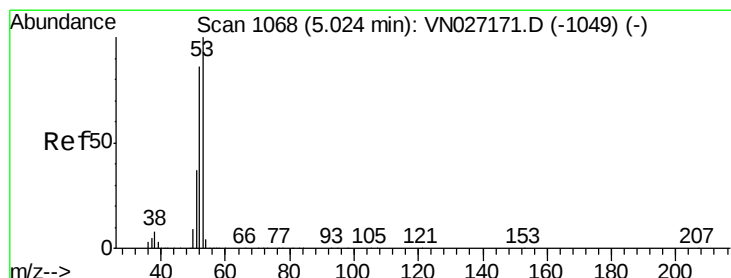
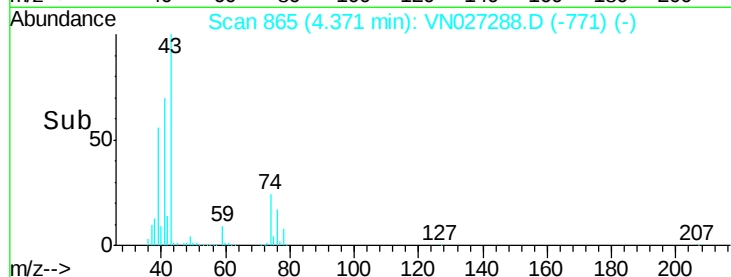
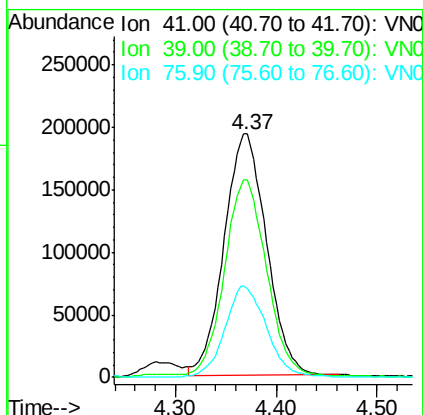
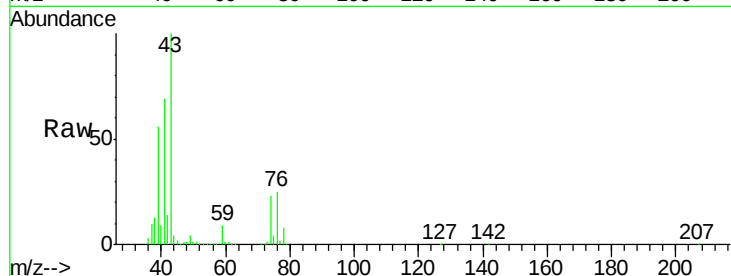




#15
 Allyl chloride
 Concen: 43.34 ug/l
 RT: 4.37 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

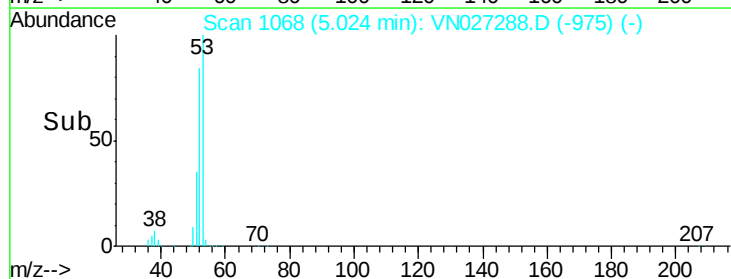
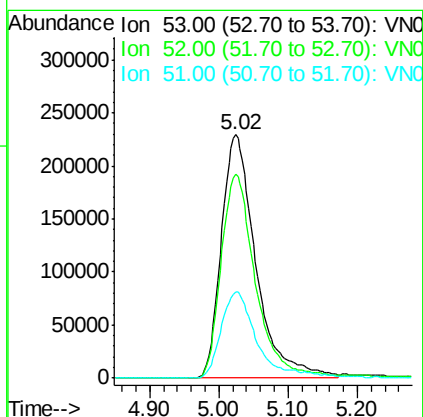
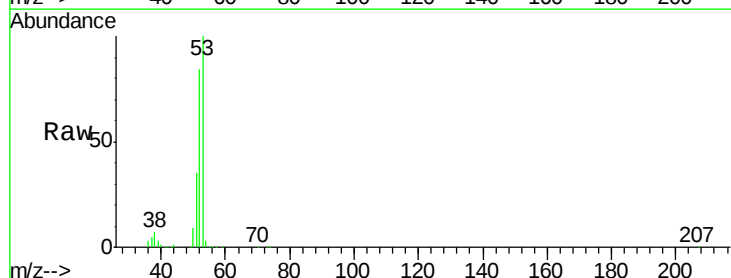
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

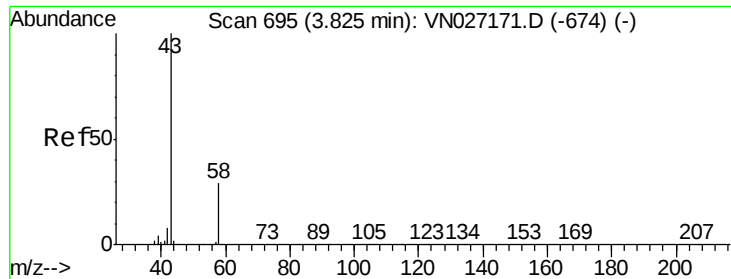
Tgt Ion: 41 Resp: 567716
 Ion Ratio Lower Upper
 41 100
 39 80.0 49.7 74.5#
 76 36.2 24.8 37.2



#16
 Acrylonitrile
 Concen: 240.95 ug/l
 RT: 5.02 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion: 53 Resp: 797378
 Ion Ratio Lower Upper
 53 100
 52 82.4 66.9 100.3
 51 36.5 27.4 41.0





#17

Acetone

Concen: 225.92 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

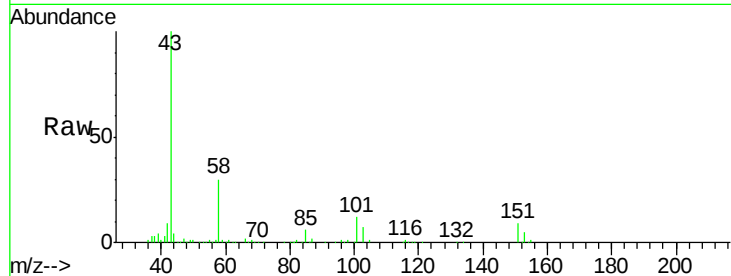
VSTDCCC050EC

Tgt Ion: 43 Resp: 630378

Ion Ratio Lower Upper

43 100

58 30.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN027171.D (-674) (-)

Ion 58.00 (57.70 to 58.70): VN027171.D (-674) (-)

3.82

250000

200000

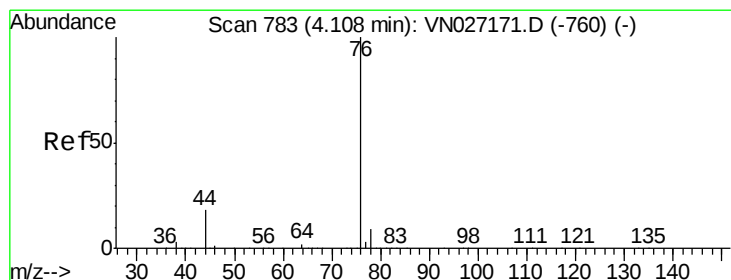
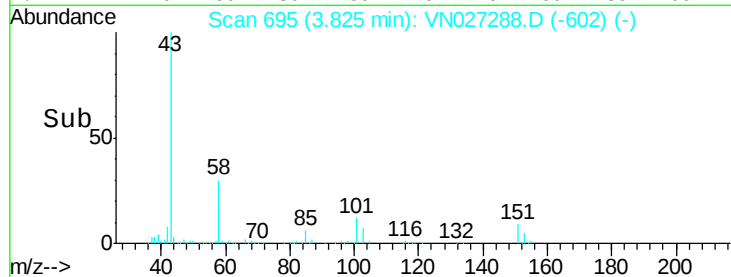
150000

100000

50000

0

Time-->



#18

Carbon Disulfide

Concen: 43.39 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027288.D

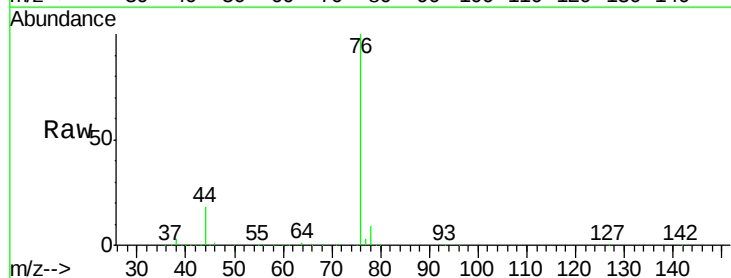
Acq: 18 Sep 2015 7:18

Tgt Ion: 76 Resp: 916416

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN027171.D (-760) (-)

Ion 77.90 (77.60 to 78.60): VN027171.D (-760) (-)

4.11

400000

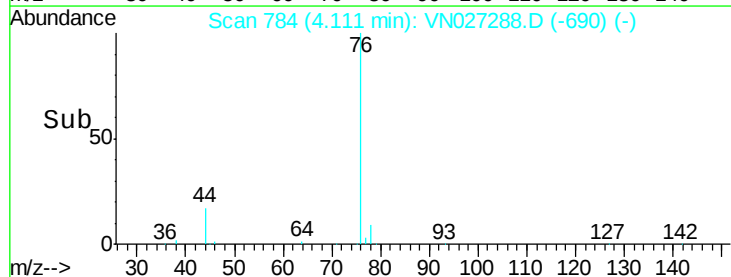
300000

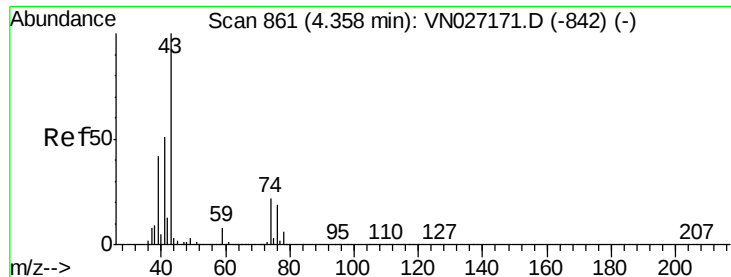
200000

100000

0

Time-->

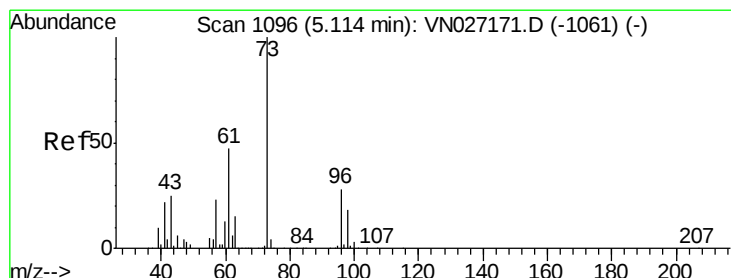
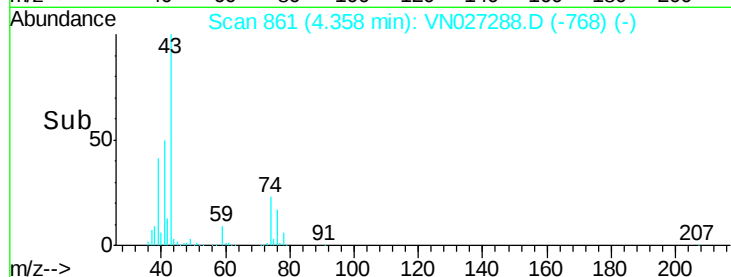
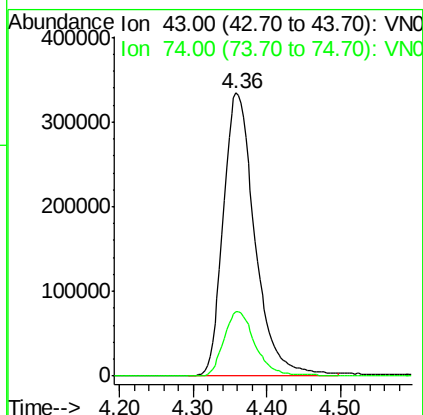
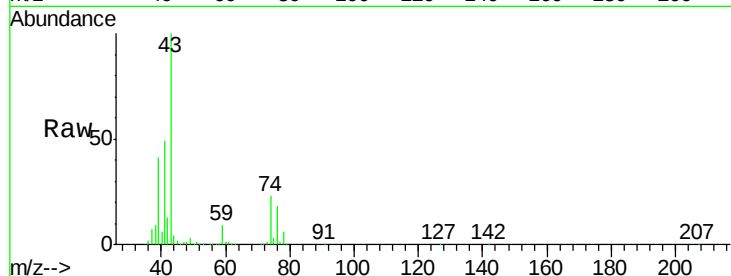




#19
Methyl Acetate
Concen: 49.08 ug/l
RT: 4.36 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

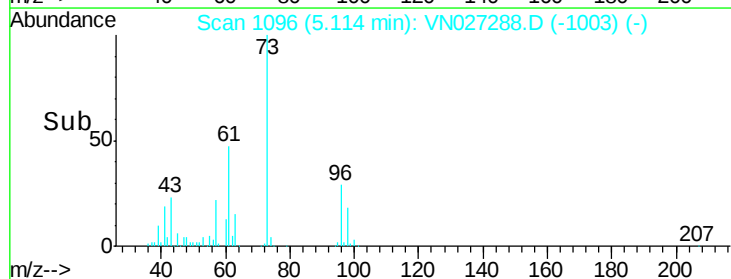
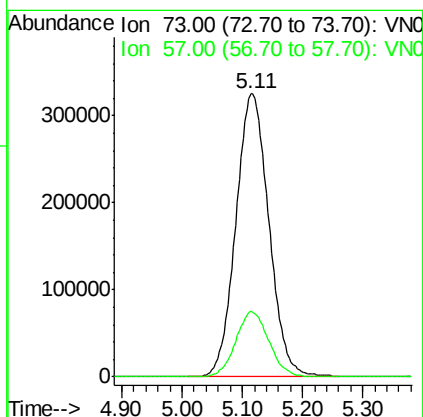
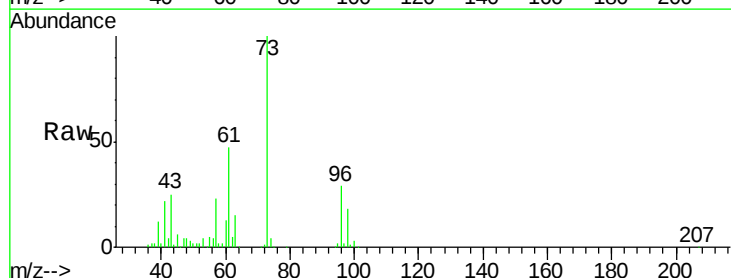
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

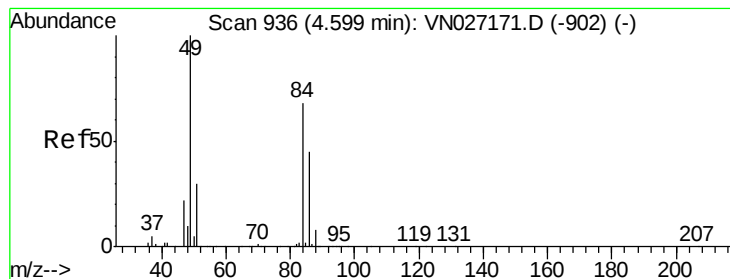
Tgt Ion: 43 Resp: 991842
Ion Ratio Lower Upper
43 100
74 22.7 16.2 24.2



#20
Methyl tert-butyl Ether
Concen: 47.96 ug/l
RT: 5.11 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion: 73 Resp: 1248582
Ion Ratio Lower Upper
73 100
57 23.2 19.8 29.6





#21

Methylene Chloride

Concen: 48.91 ug/l

RT: 4.60 min Scan# 935

Delta R.T. -0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 84 Resp: 380183

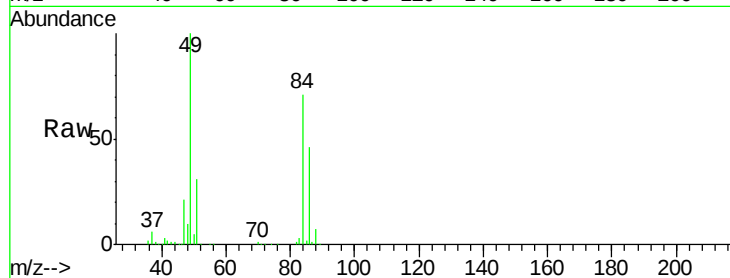
Ion Ratio Lower Upper

84 100

49 139.8 112.3 168.5

51 43.4 33.8 50.8

86 64.5 48.2 72.4

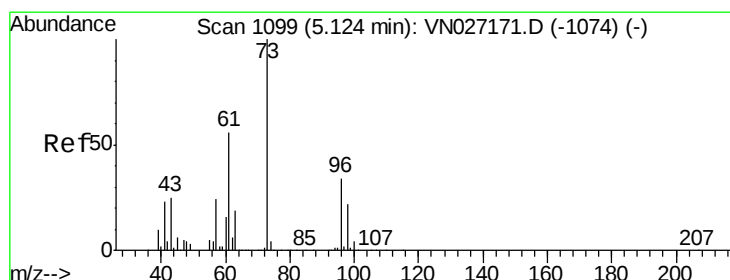
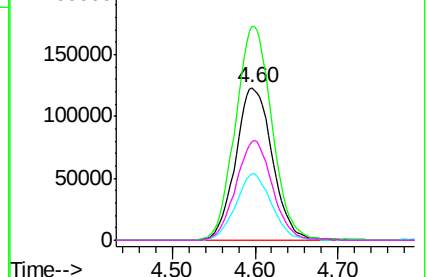
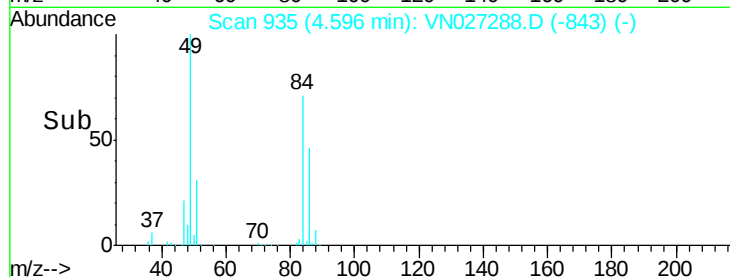


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 48.04 ug/l

RT: 5.13 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

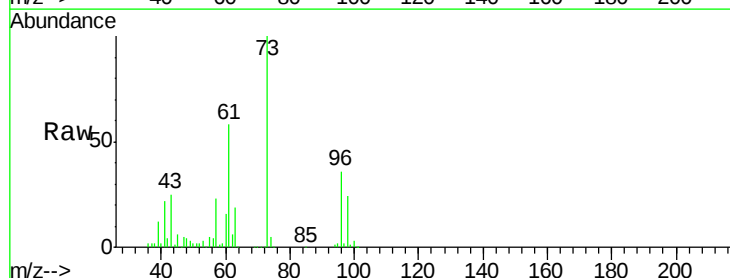
Tgt Ion: 96 Resp: 336996

Ion Ratio Lower Upper

96 100

61 160.6 126.6 189.8

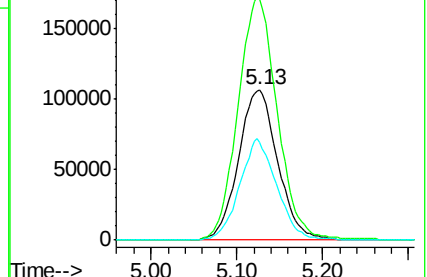
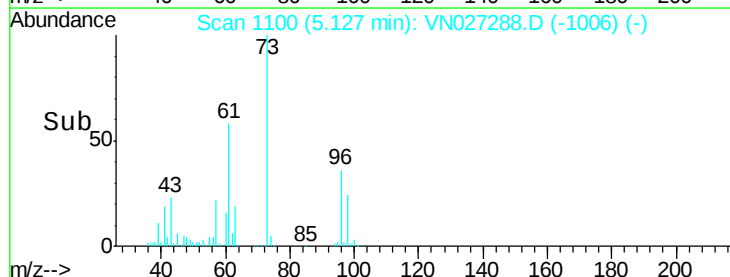
98 65.4 47.4 71.2

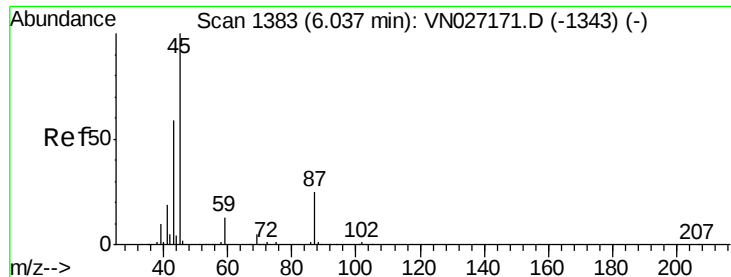


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

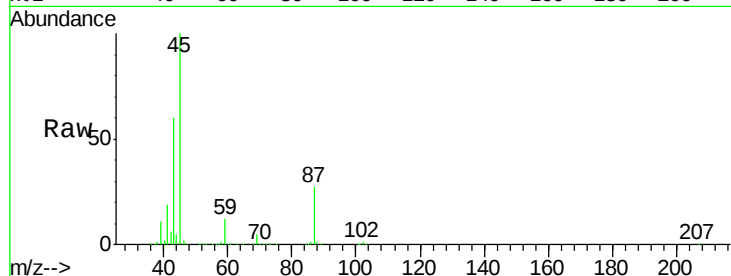




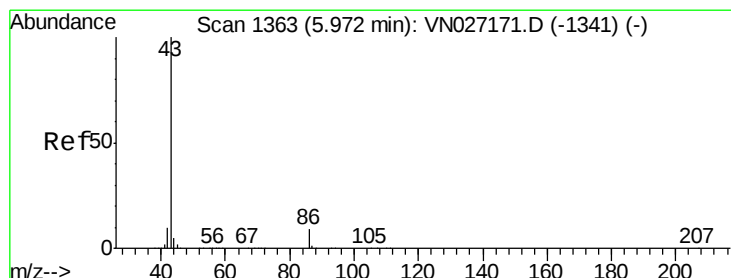
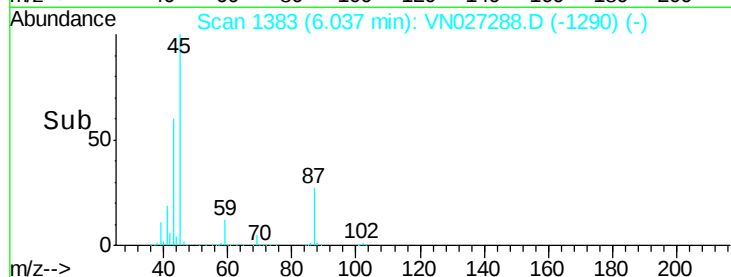
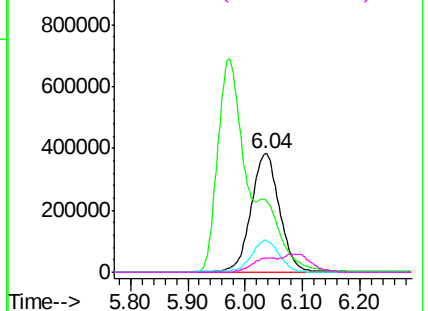
#23
Diisopropyl ether
Concen: 48.09 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 45 Resp: 1321558
Ion Ratio Lower Upper
45 100
43 60.3 41.0 61.6
87 27.0 17.5 26.3#
59 12.0 8.7 13.1

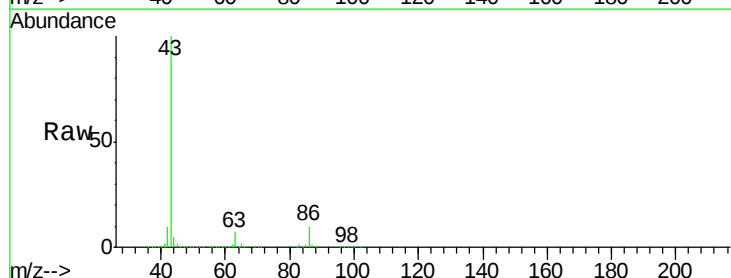


Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

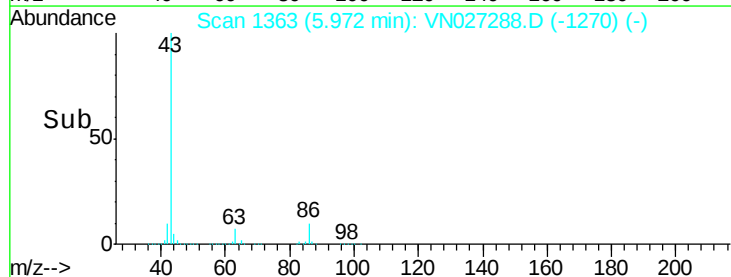
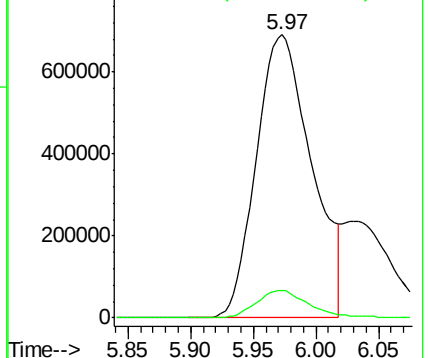


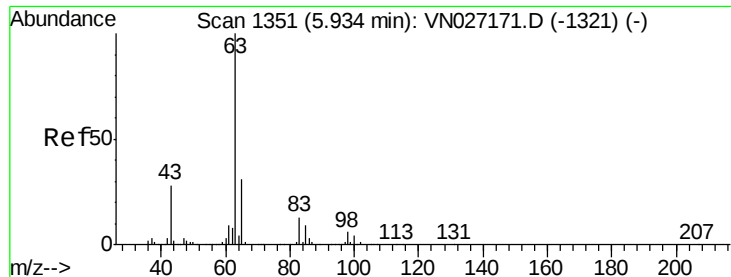
#24
Vinyl Acetate
Concen: 233.29 ug/l
RT: 5.97 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion: 43 Resp: 2122072
Ion Ratio Lower Upper
43 100
86 9.8 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#25

1,1-Dichloroethane

Concen: 47.78 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

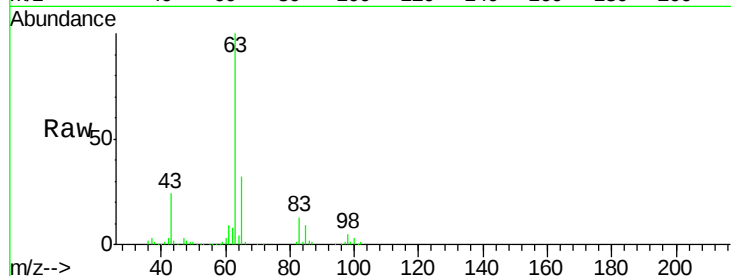
Tgt Ion: 63 Resp: 762929

Ion Ratio Lower Upper

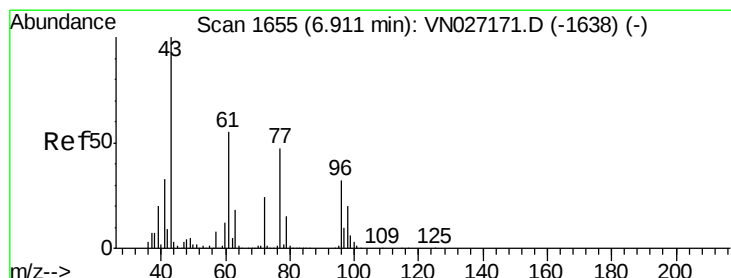
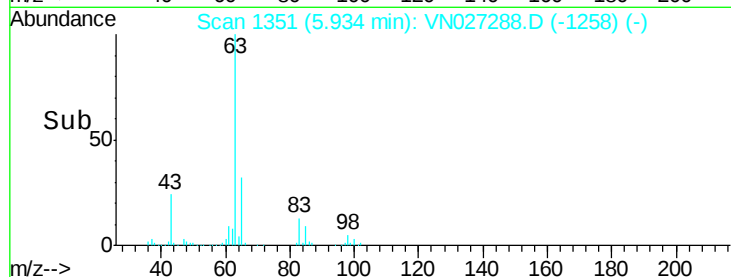
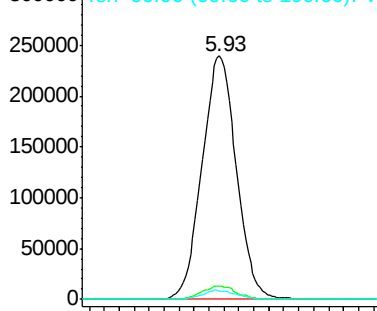
63 100

98 5.5 2.8 8.3

100 3.4 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: 232.14 ug/l

RT: 6.91 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VN027288.D

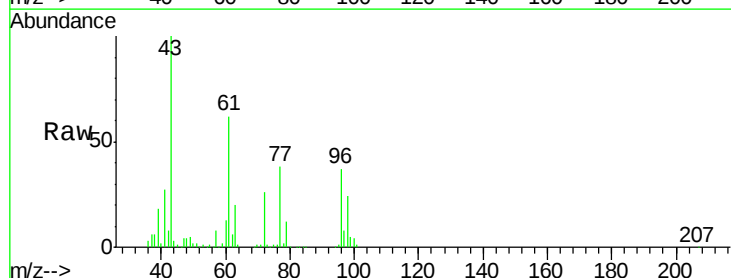
Acq: 18 Sep 2015 7:18

Tgt Ion: 43 Resp: 975380

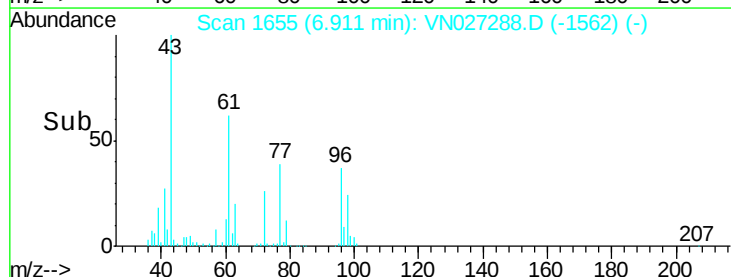
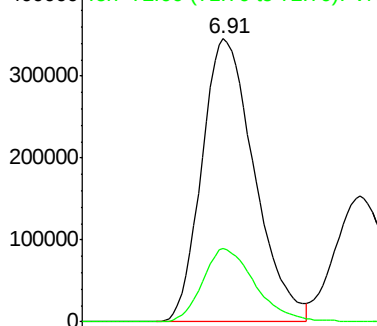
Ion Ratio Lower Upper

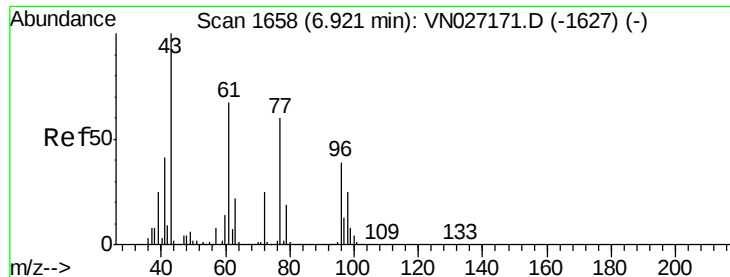
43 100

72 26.0 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: 34.15 ug/l

RT: 6.92 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

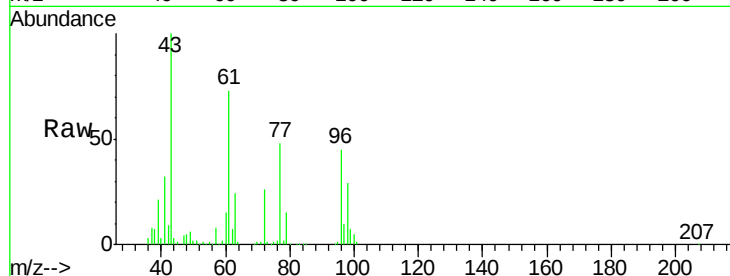
VSTDCCC050EC

Tgt Ion: 77 Resp: 473012

Ion Ratio Lower Upper

77 100

97 21.6 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.92

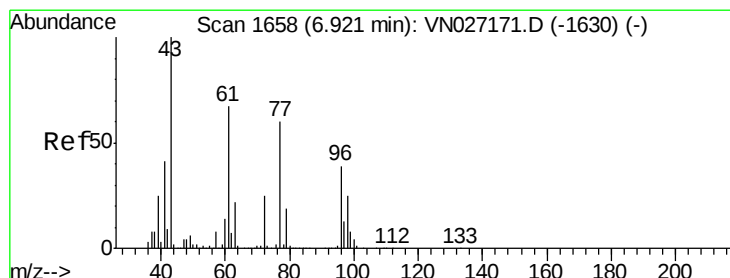
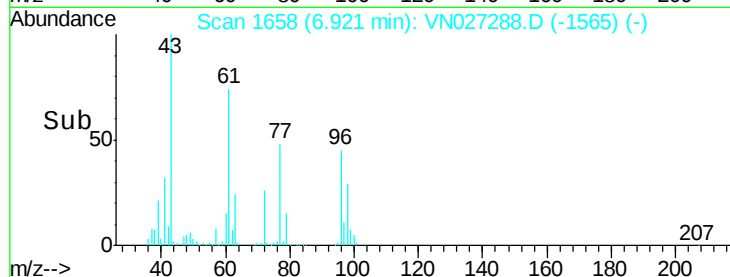
150000

100000

50000

0

Time-->



#28

cis-1,2-Dichloroethene

Concen: 50.09 ug/l

RT: 6.92 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

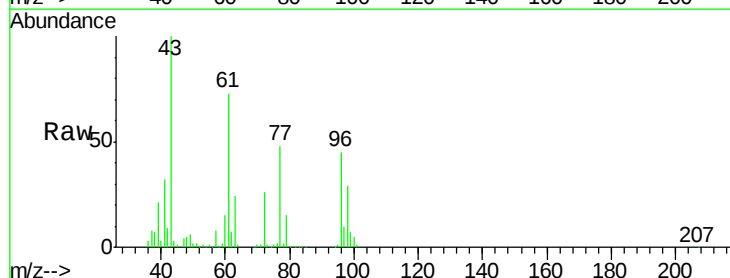
Tgt Ion: 96 Resp: 402960

Ion Ratio Lower Upper

96 100

61 166.3 0.0 329.2

98 65.4 0.0 126.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

6.92

300000

250000

200000

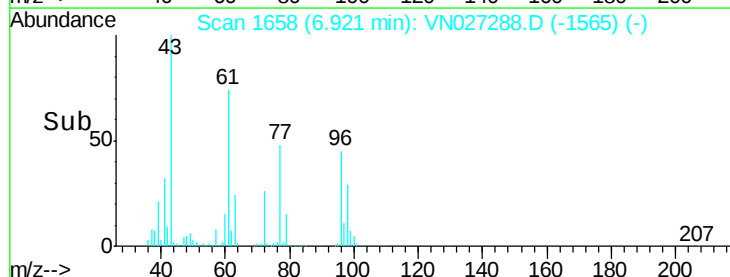
150000

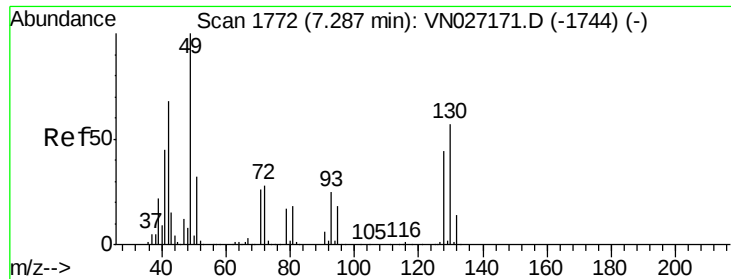
100000

50000

0

Time-->





#29

Bromochloromethane

Concen: 50.59 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

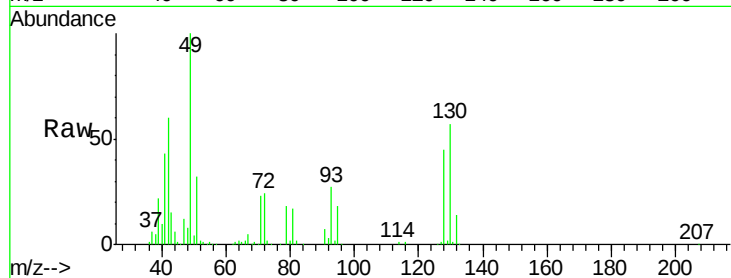
Tgt Ion: 49 Resp: 313496

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.2

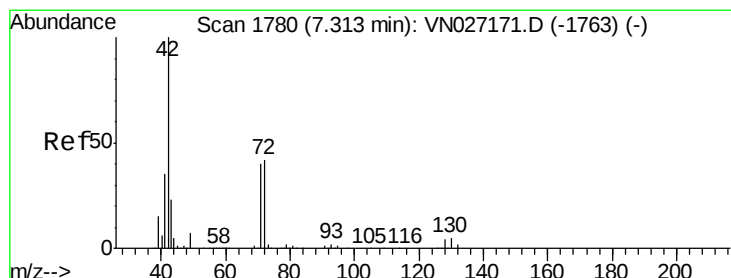
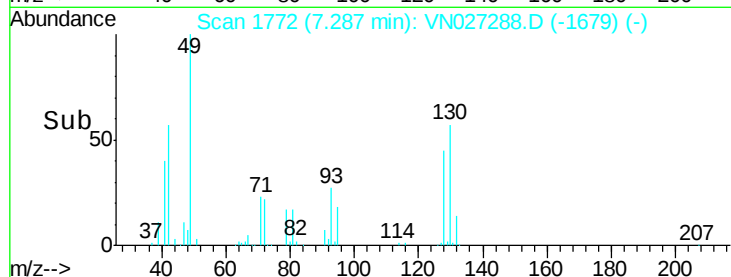
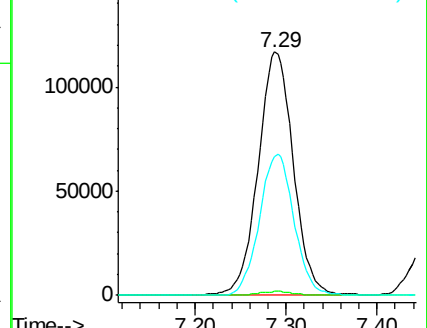
130 56.9 43.2 64.8



Abundance Ion 48.90 (48.60 to 49.60): VNO

Ion 128.80 (128.50 to 129.50): VNO

Ion 129.80 (129.50 to 130.50): VNO



#30

Tetrahydrofuran

Concen: 220.58 ug/l

RT: 7.31 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

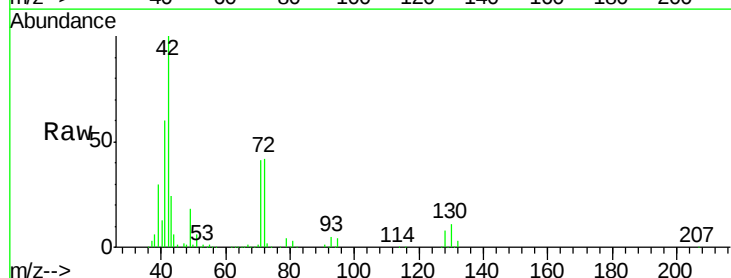
Tgt Ion: 42 Resp: 638741

Ion Ratio Lower Upper

42 100

72 43.3 29.9 44.9

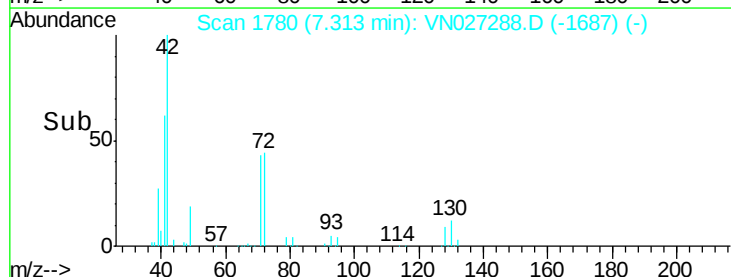
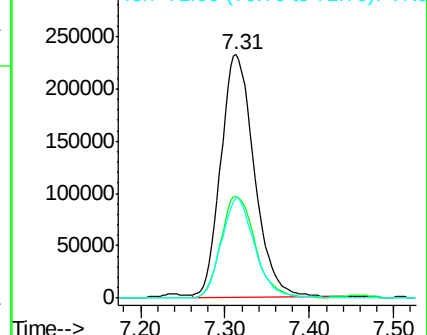
71 41.4 28.3 42.5

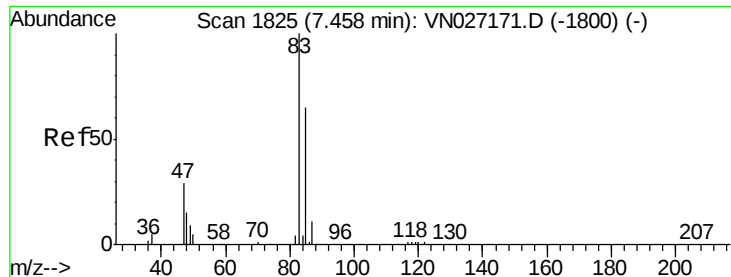


Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO

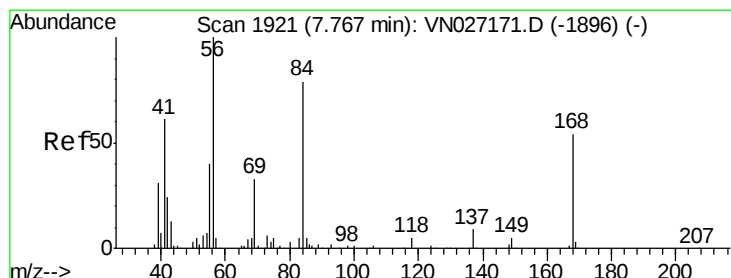
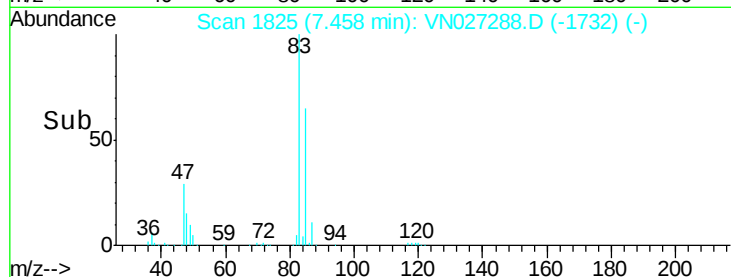
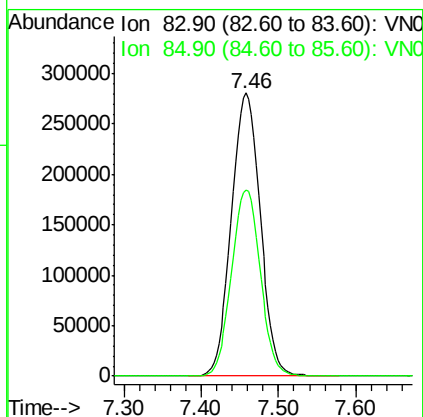
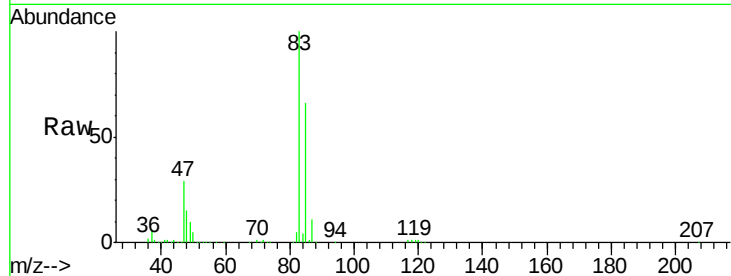




#31
Chloroform
Concen: 50.49 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

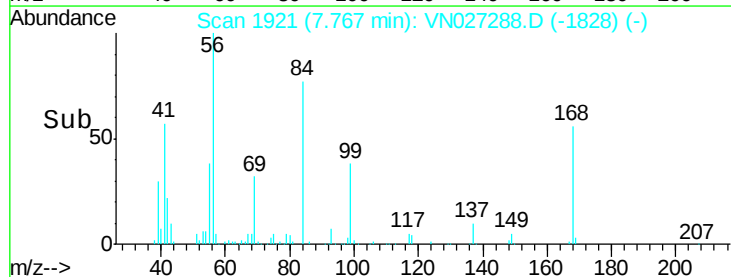
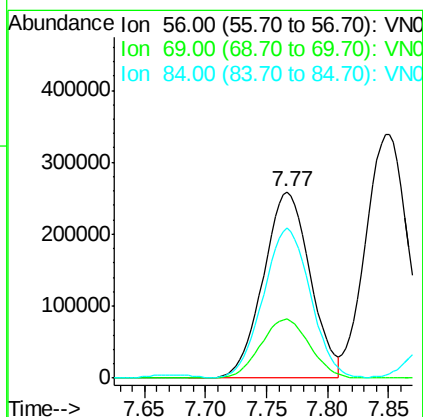
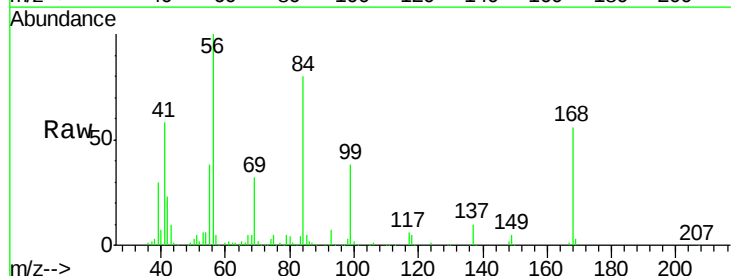
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

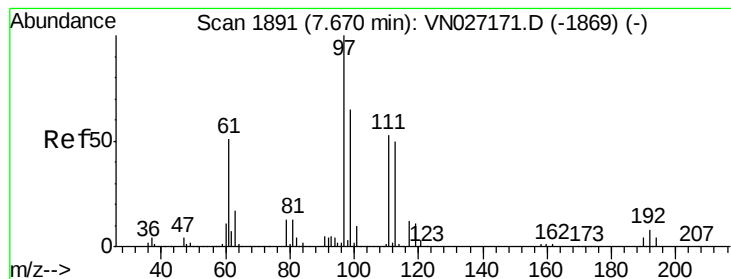
Tgt Ion: 83 Resp: 728343
Ion Ratio Lower Upper
83 100
85 65.7 51.1 76.7



#32
Cyclohexane
Concen: 48.80 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion: 56 Resp: 693911
Ion Ratio Lower Upper
56 100
69 31.5 23.0 34.4
84 78.8 57.8 86.8





#33

1,1,1-Trichloroethane

Concen: 49.07 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

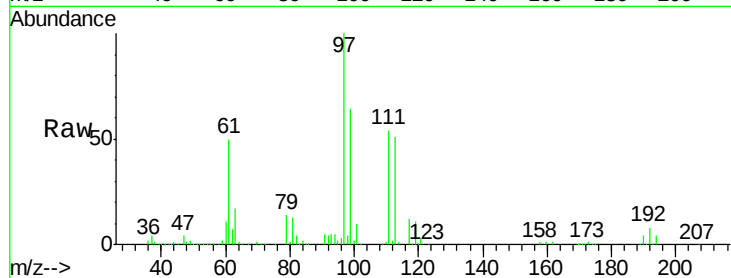
Tgt Ion: 97 Resp: 631151

Ion Ratio Lower Upper

97 100

99 64.2 50.1 75.1

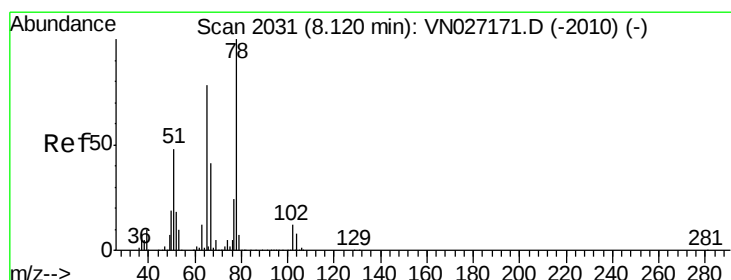
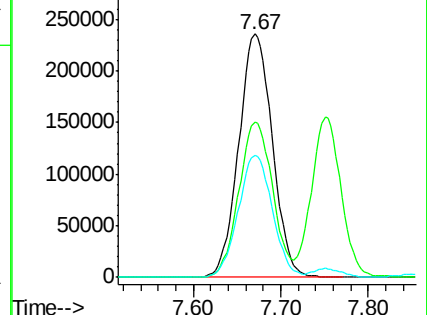
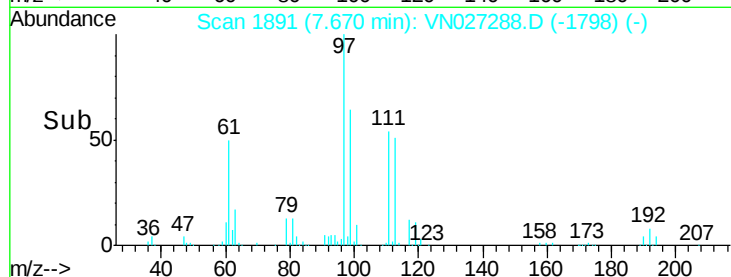
61 50.8 44.0 66.0



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#34

1,2-Dichloroethane-d4

Concen: 50.50 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027288.D

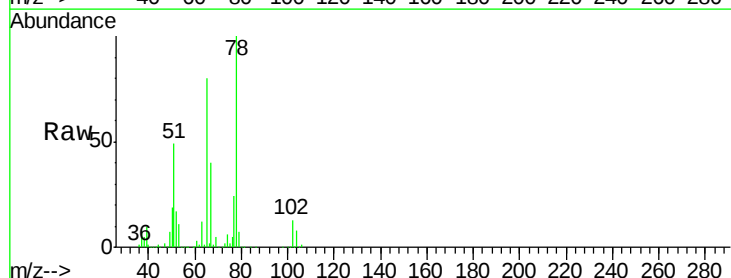
Acq: 18 Sep 2015 7:18

Tgt Ion: 65 Resp: 522653

Ion Ratio Lower Upper

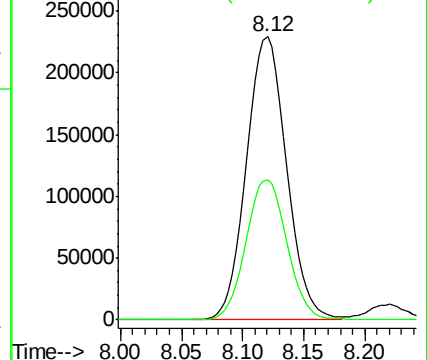
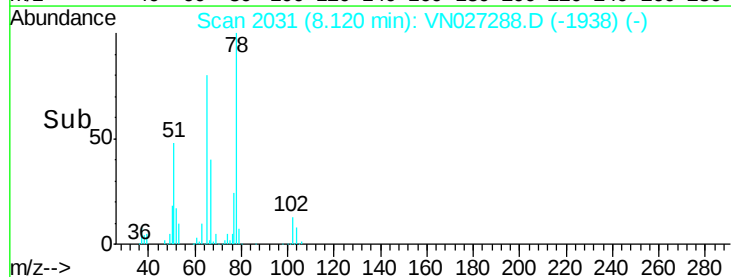
65 100

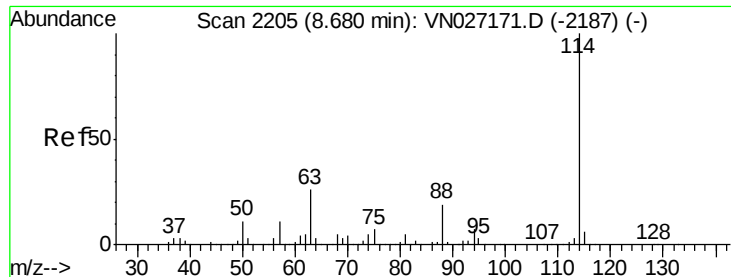
67 50.2 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

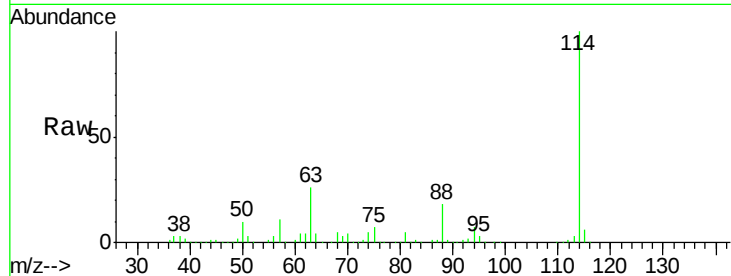




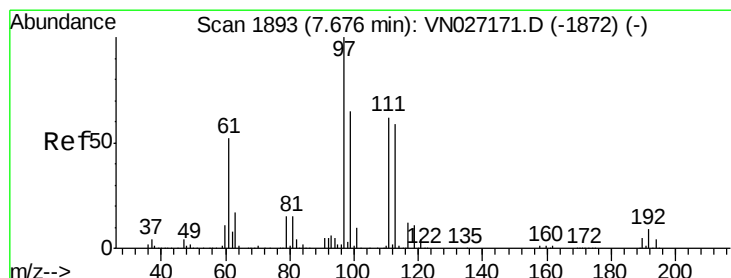
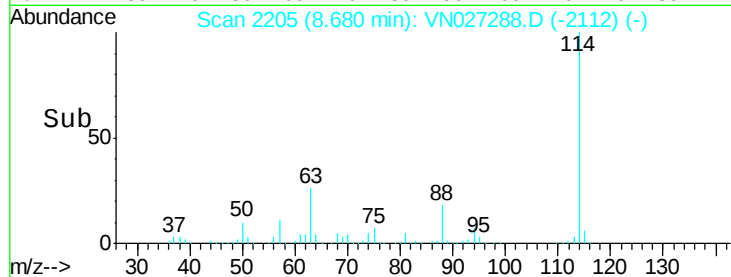
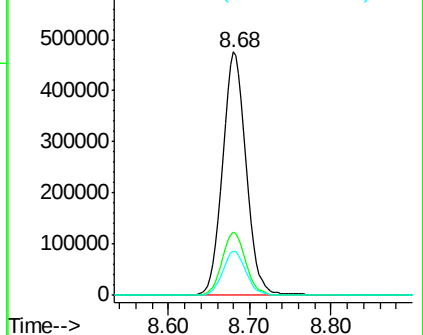
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:114 Resp: 974705
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 48.8
 88 18.3 0.0 32.2

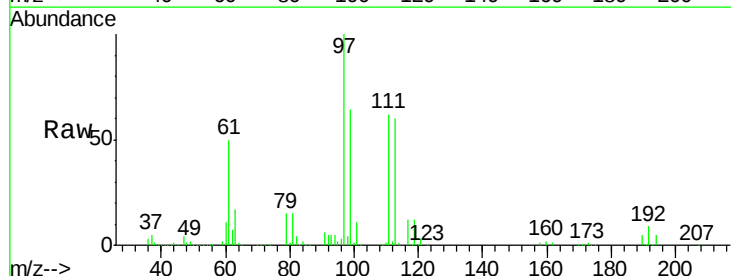


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

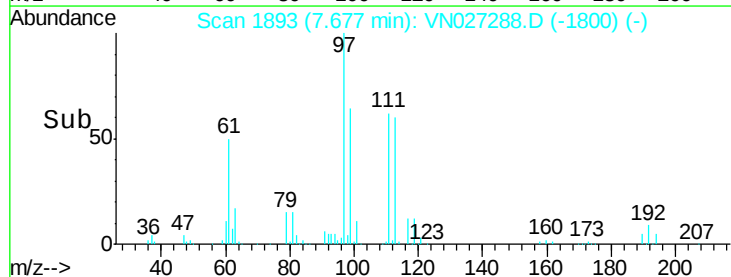
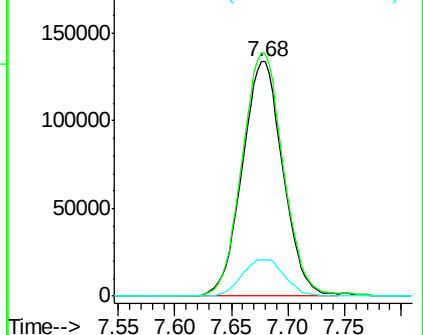


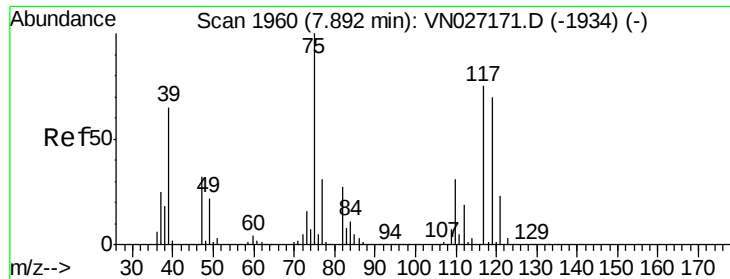
#36
 Dibromofluoromethane
 Concen: 49.44 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion:113 Resp: 334049
 Ion Ratio Lower Upper
 113 100
 111 106.1 83.0 124.4
 192 16.5 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

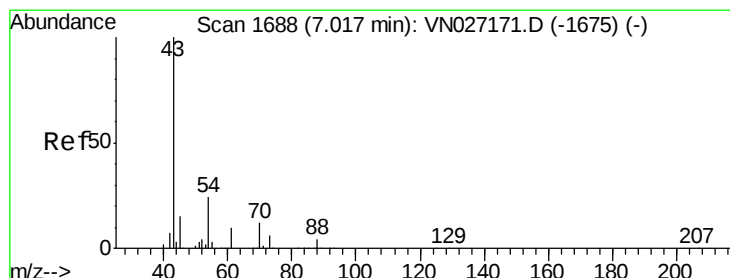
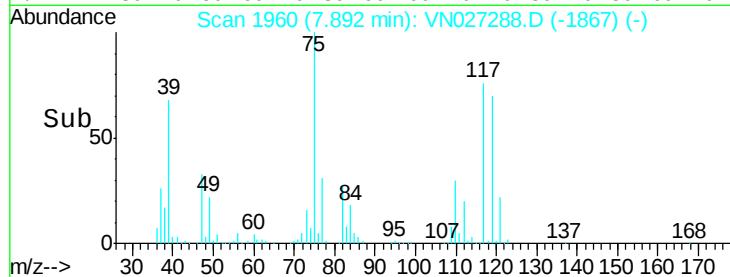
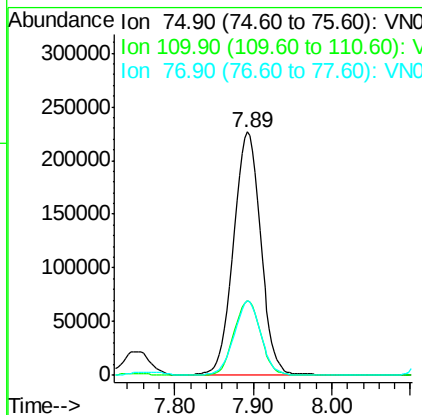
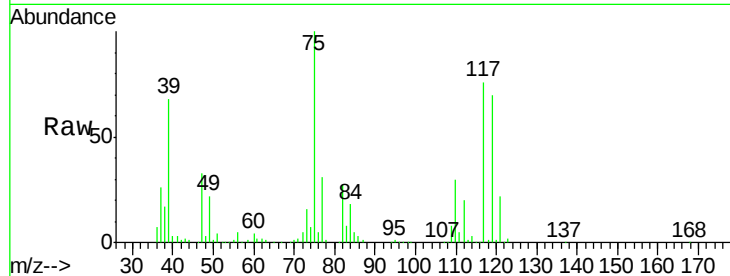




#37
 1,1-Dichloropropene
 Concen: 47.83 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

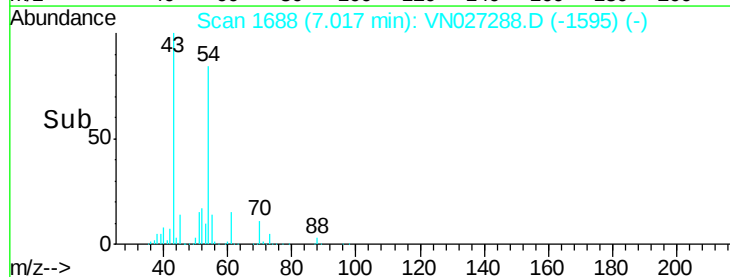
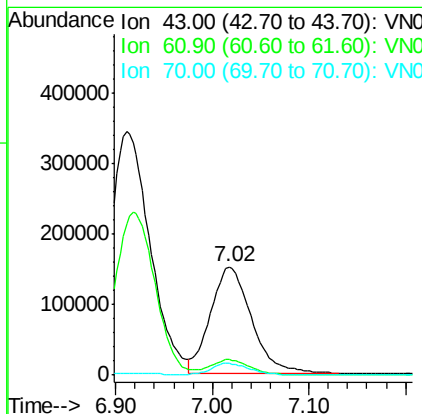
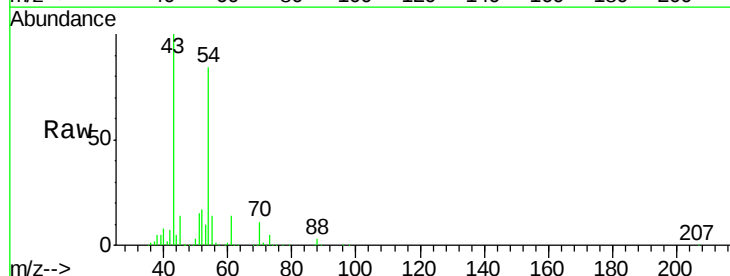
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

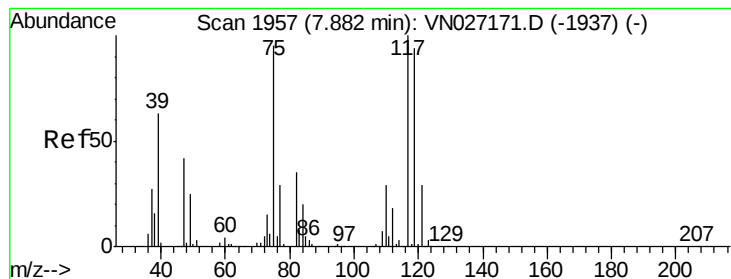
Tgt Ion: 75 Resp: 545777
 Ion Ratio Lower Upper
 75 100
 110 30.2 15.9 47.7
 77 30.3 24.9 37.3



#38
 Ethyl Acetate
 Concen: 46.06 ug/l
 RT: 7.02 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion: 43 Resp: 447554
 Ion Ratio Lower Upper
 43 100
 61 13.8 10.2 15.4
 70 10.1 7.4 11.0





#39

Carbon Tetrachloride

Concen: 47.13 ug/l

RT: 7.88 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

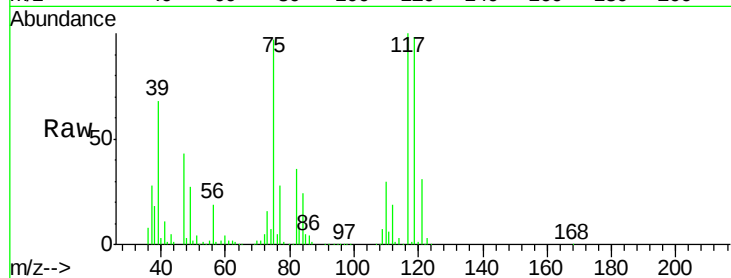
Tgt Ion: 117 Resp: 505562

Ion Ratio Lower Upper

117 100

119 97.6 75.3 112.9

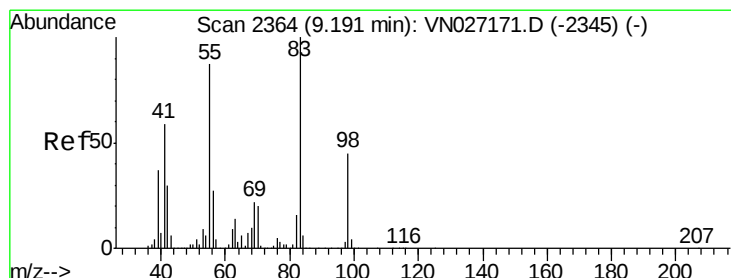
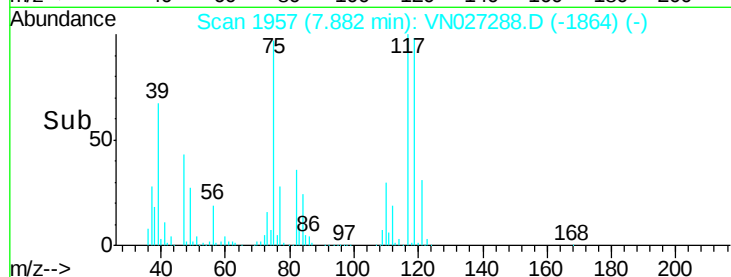
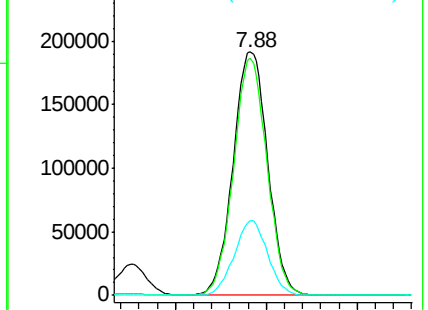
121 30.5 23.8 35.8



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: 45.78 ug/l

RT: 9.19 min Scan# 2364

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

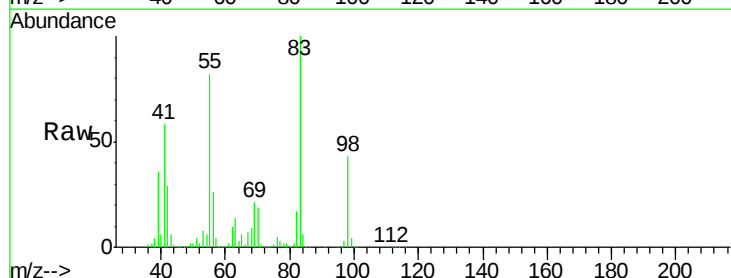
Tgt Ion: 83 Resp: 636150

Ion Ratio Lower Upper

83 100

55 82.1 69.8 104.8

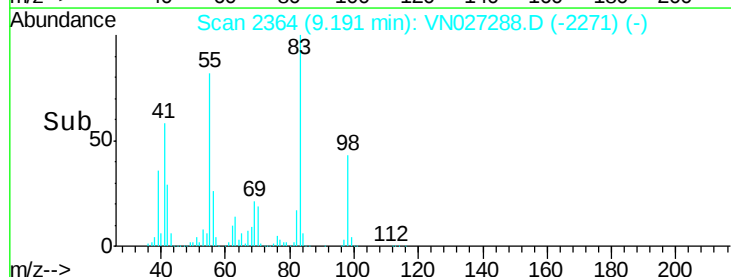
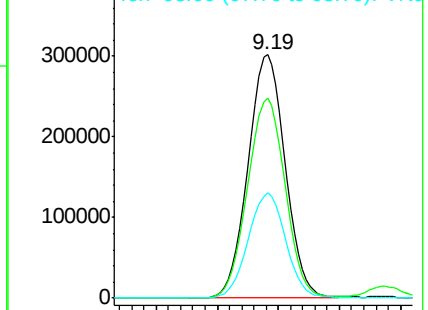
98 43.2 34.3 51.5

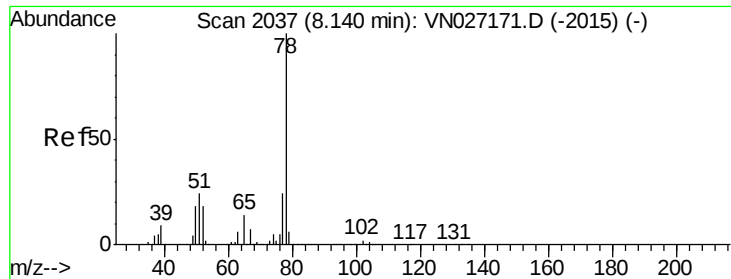


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#41

Benzene

Concen: 48.03 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

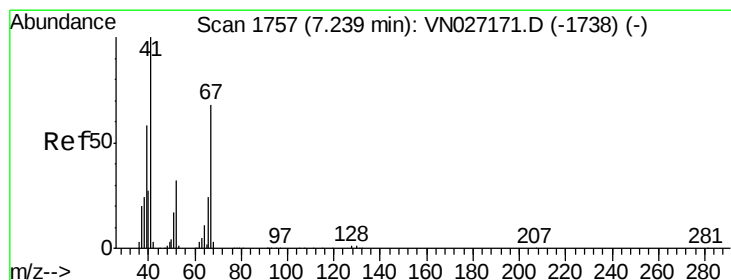
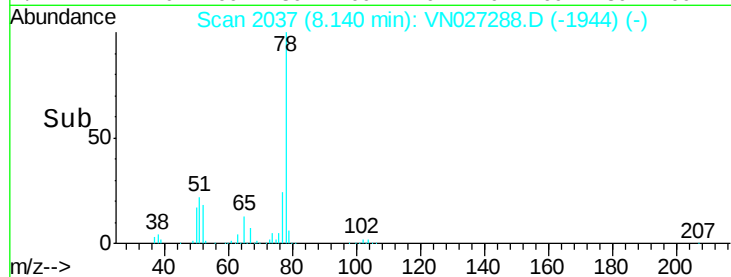
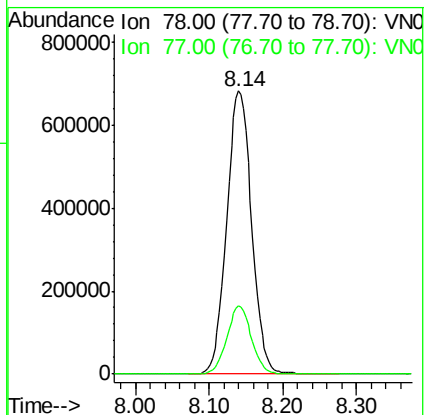
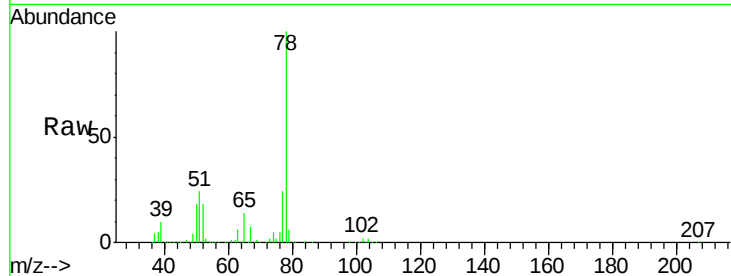
VSTDCCC050EC

Tgt Ion: 78 Resp: 1598973

Ion Ratio Lower Upper

78 100

77 24.0 19.0 28.4



#42

Methacrylonitrile

Concen: 46.68 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Tgt Ion: 41 Resp: 257469

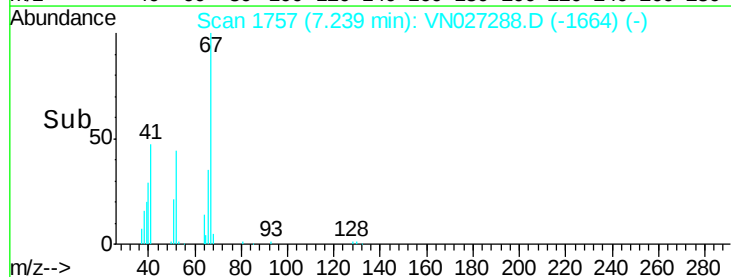
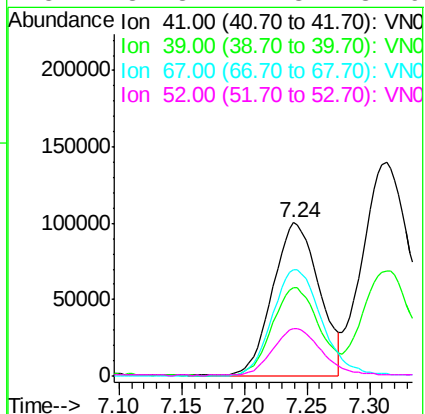
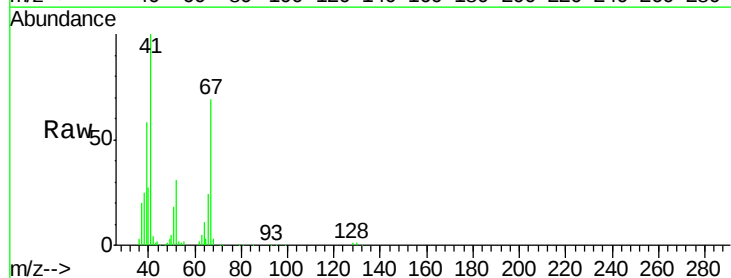
Ion Ratio Lower Upper

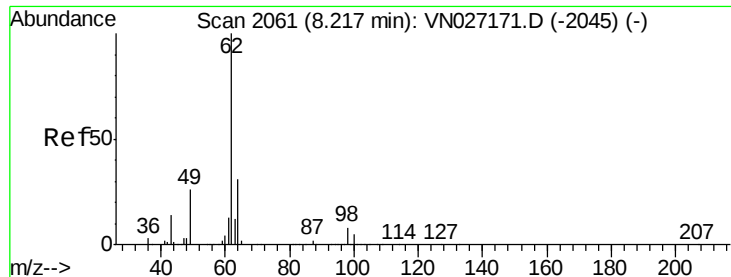
41 100

39 58.6 43.0 64.6

67 75.3 52.2 78.2

52 32.3 21.3 31.9#

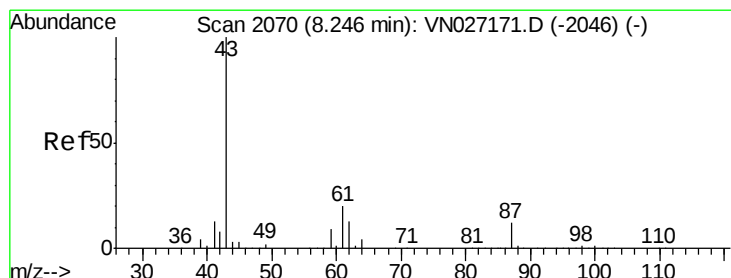
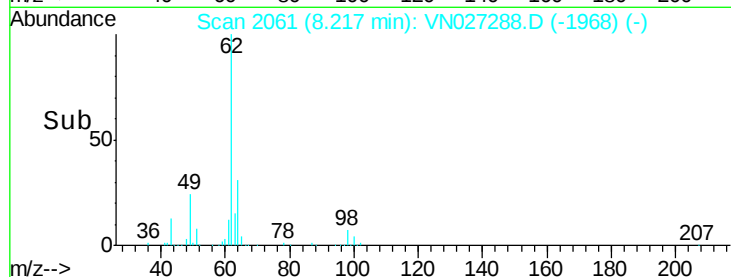
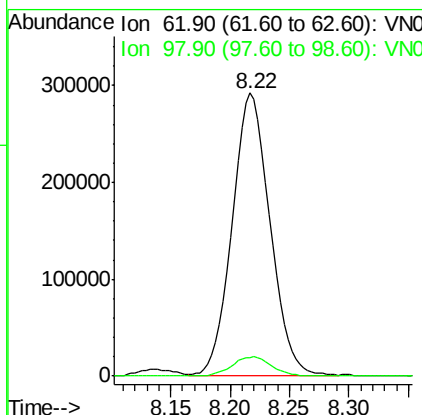
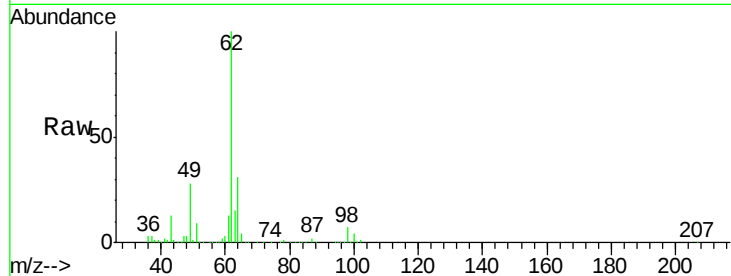




#43
 1,2-Dichloroethane
 Concen: 47.81 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

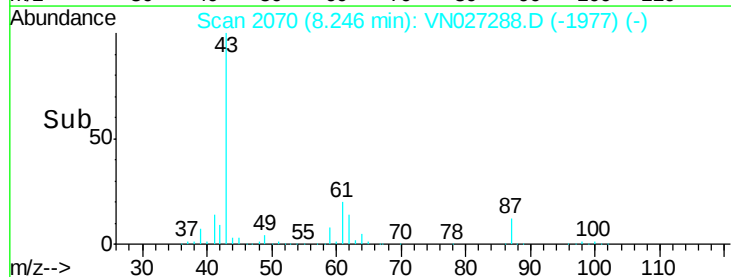
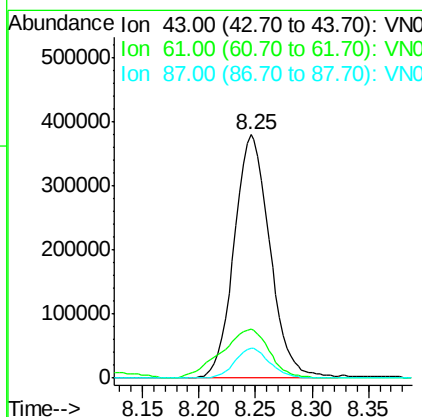
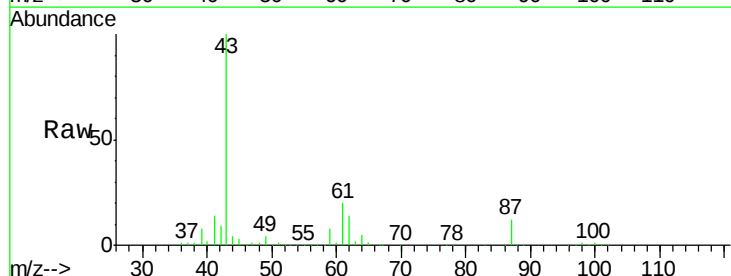
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

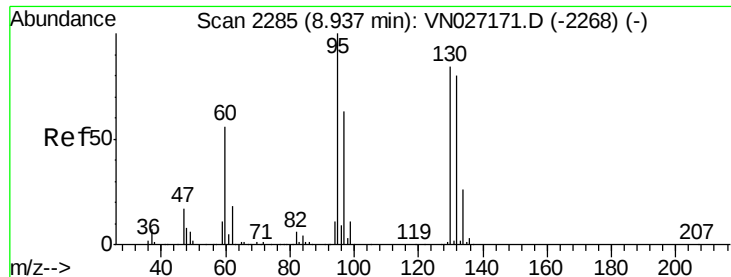
Tgt Ion: 62 Resp: 641178
 Ion Ratio Lower Upper
 62 100
 98 7.3 0.0 18.0



#44
 Isopropyl Acetate
 Concen: 45.65 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion: 43 Resp: 832407
 Ion Ratio Lower Upper
 43 100
 61 27.0 20.6 31.0
 87 12.2 8.6 13.0





#45

Trichloroethene

Concen: 48.49 ug/l

RT: 8.93 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

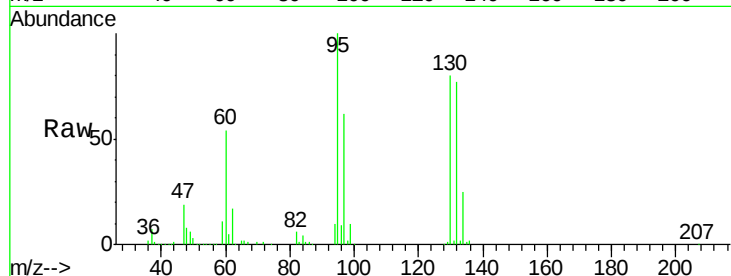
VSTDCCC050EC

Tgt Ion:130 Resp: 324237

Ion Ratio Lower Upper

130 100

95 125.0 0.0 222.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.93

200000

150000

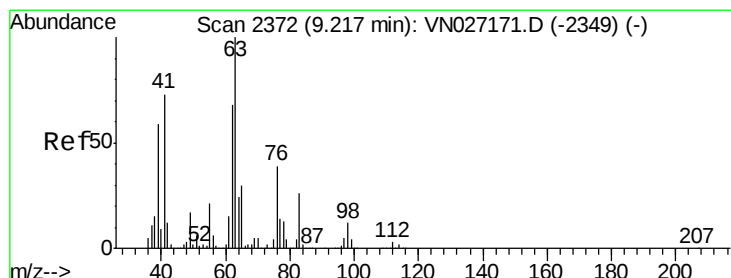
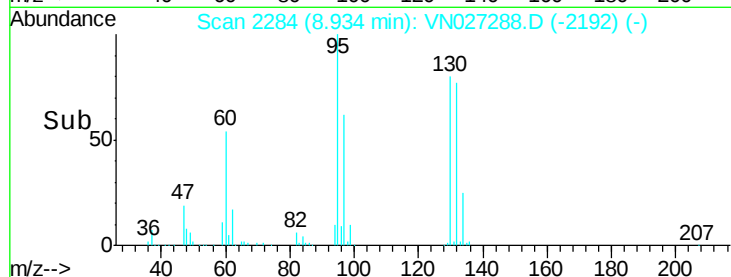
100000

50000

0

8.90 9.00

Time-->



#46

1,2-Dichloropropane

Concen: 46.84 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN027288.D

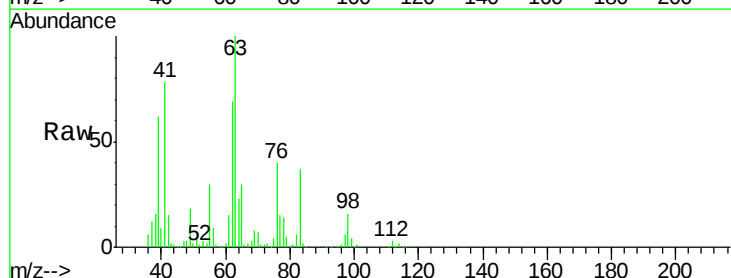
Acq: 18 Sep 2015 7:18

Tgt Ion: 63 Resp: 448638

Ion Ratio Lower Upper

63 100

65 30.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.21

250000

200000

150000

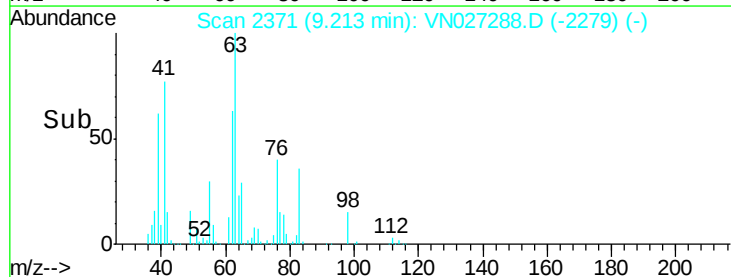
100000

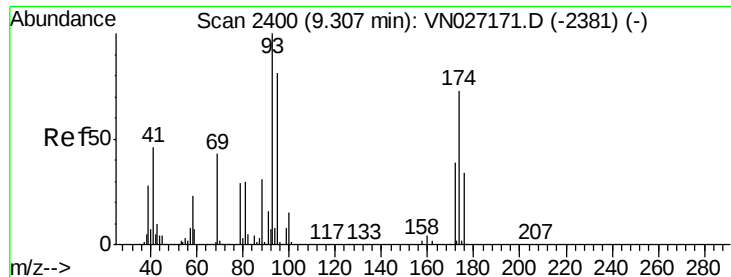
50000

0

9.10 9.20 9.30

Time-->





#47

Dibromomethane

Concen: 47.54 ug/l

RT: 9.30 min Scan# 2399

Delta R.T. -0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

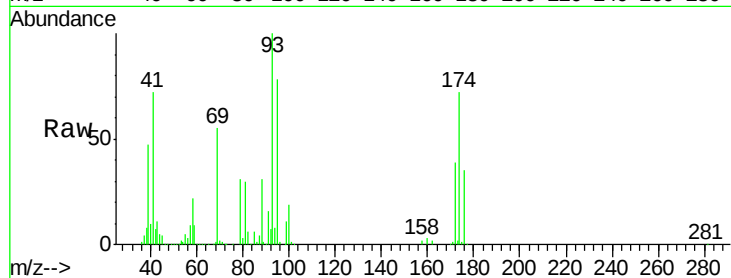
Tgt Ion: 93 Resp: 267369

Ion Ratio Lower Upper

93 100

95 79.2 66.3 99.5

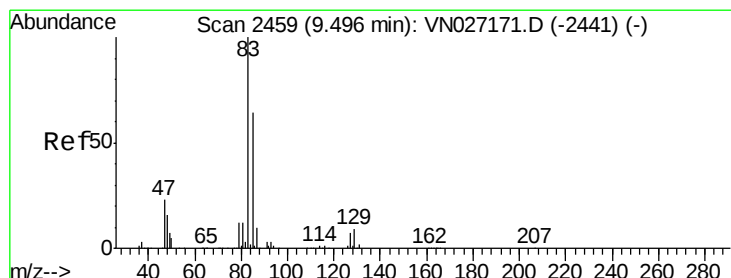
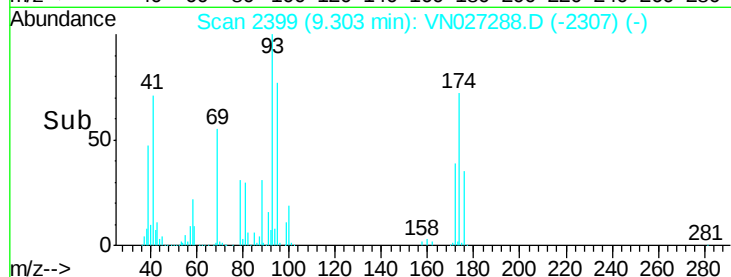
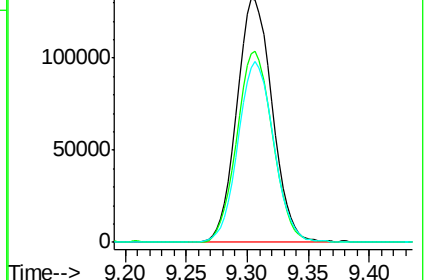
174 74.3 67.8 101.6



Abundance Ion 92.80 (92.50 to 93.50): VN027288.D (-2399) (-)

Ion 94.80 (94.50 to 95.50): VN027288.D (-2399) (-)

Ion 173.70 (173.40 to 174.40): VN027288.D (-2399) (-)



#48

Bromodichloromethane

Concen: 47.88 ug/l

RT: 9.49 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

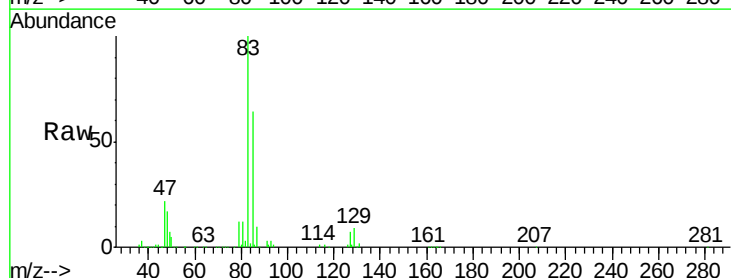
Tgt Ion: 83 Resp: 567495

Ion Ratio Lower Upper

83 100

85 63.7 50.7 76.1

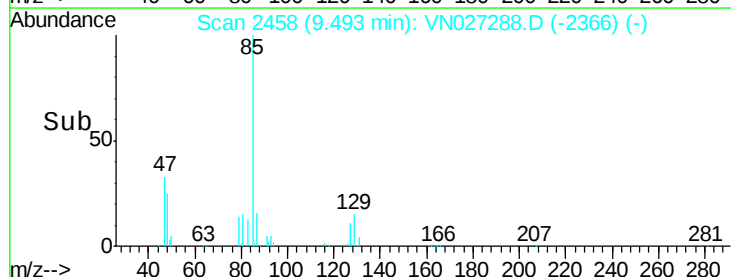
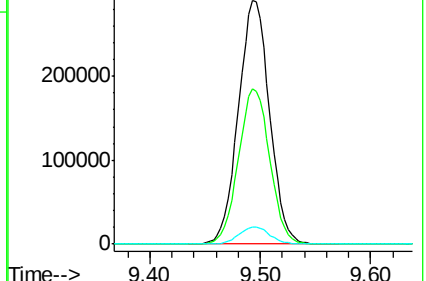
127 7.0 5.5 8.3

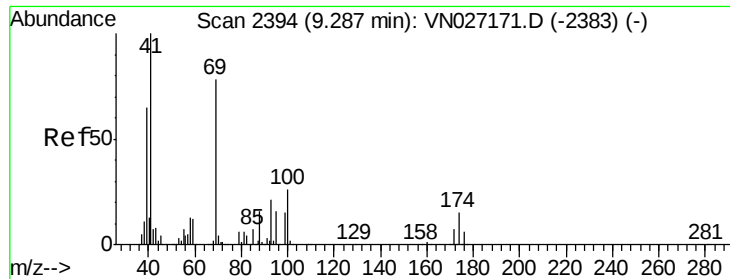


Abundance Ion 82.90 (82.60 to 83.60): VN027288.D (-2458) (-)

Ion 84.90 (84.60 to 85.60): VN027288.D (-2458) (-)

Ion 126.80 (126.50 to 127.50): VN027288.D (-2458) (-)

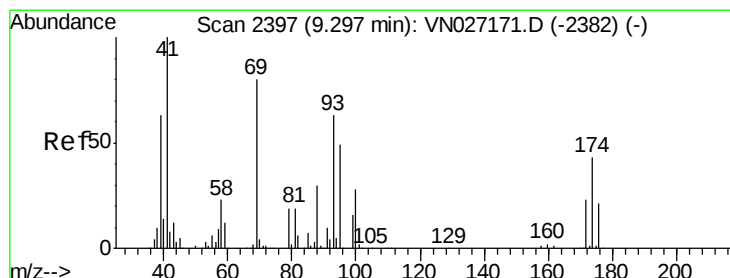
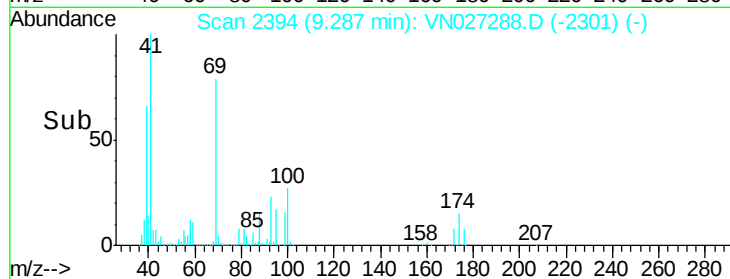
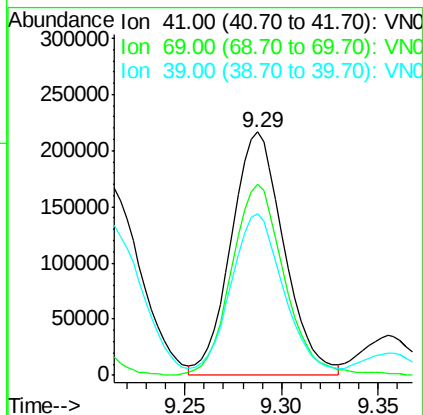
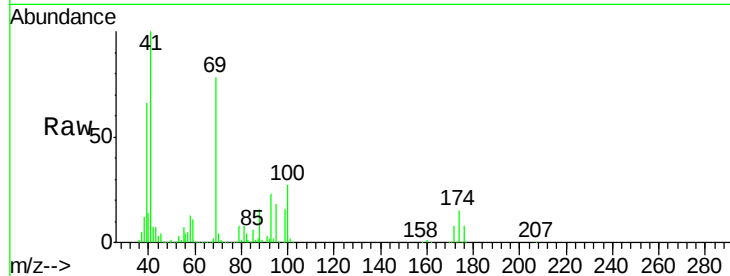




#49
Methyl methacrylate
Concen: 44.95 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

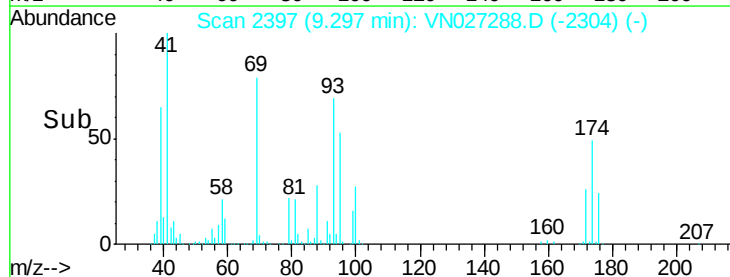
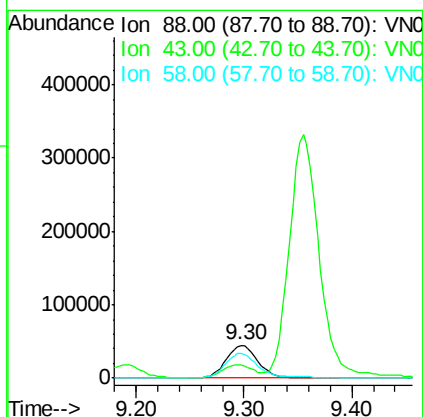
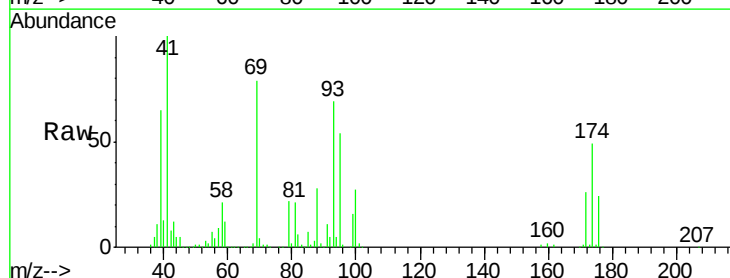
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

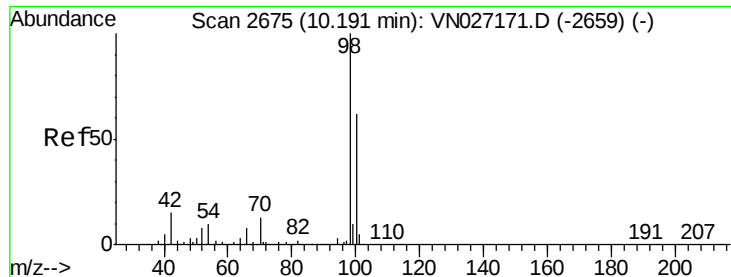
Tgt Ion: 41 Resp: 408285
Ion Ratio Lower Upper
41 100
69 78.3 59.3 88.9
39 66.8 39.5 59.3#



#50
1,4-Dioxane
Concen: 861.88 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion: 88 Resp: 91826
Ion Ratio Lower Upper
88 100
43 37.4 27.6 41.4
58 76.1 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: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

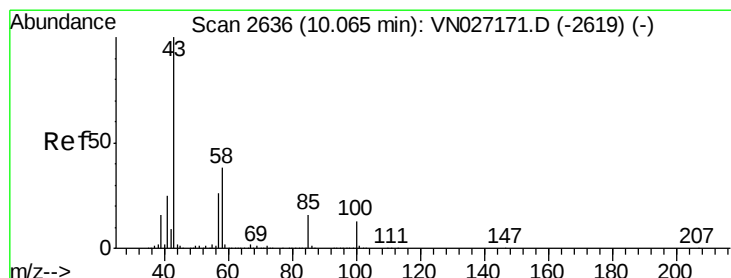
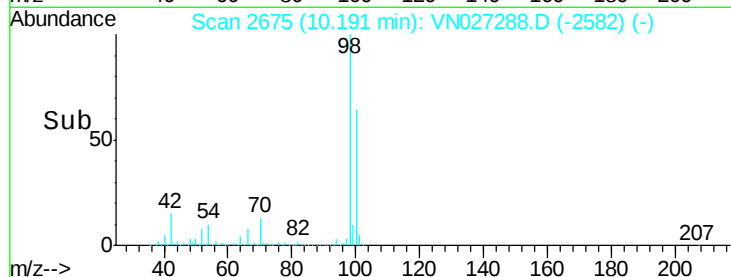
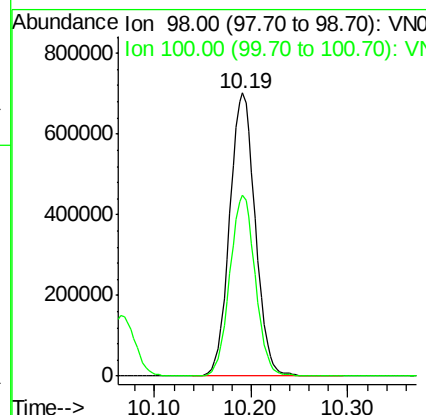
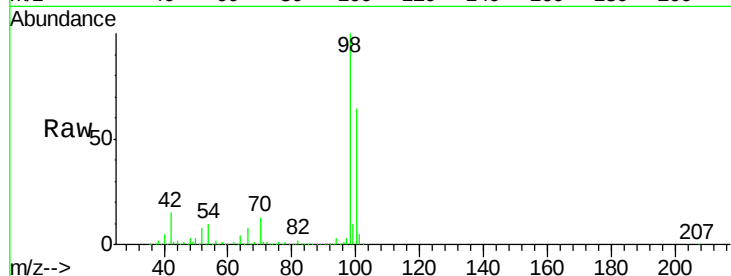
VSTDCCC050EC

Tgt Ion: 98 Resp: 1289305

Ion Ratio Lower Upper

98 100

100 63.5 50.5 75.7



#52

4-Methyl-2-Pentanone

Concen: 227.02 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027288.D

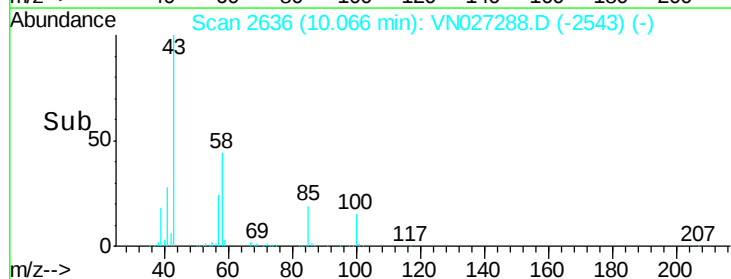
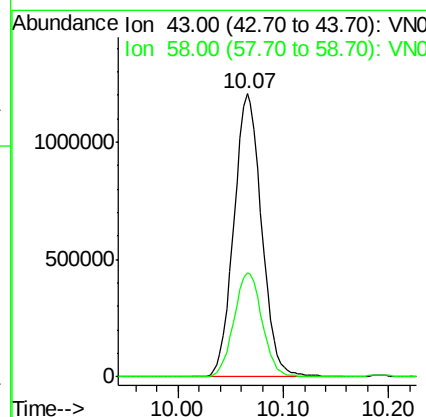
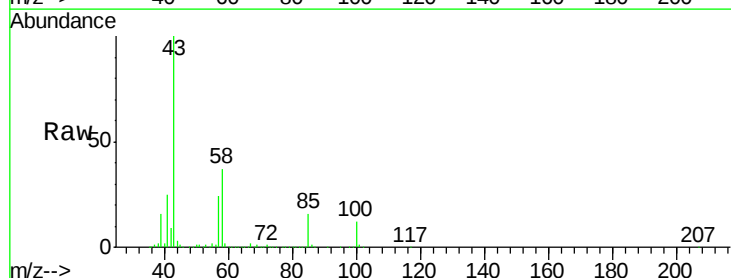
Acq: 18 Sep 2015 7:18

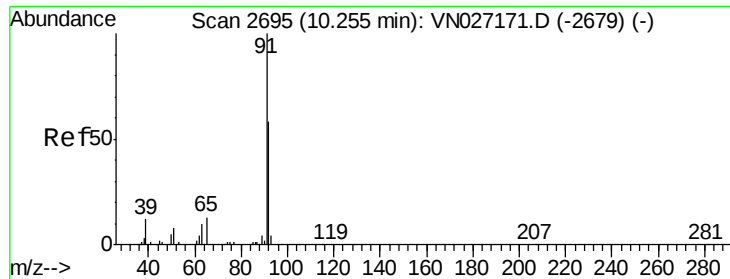
Tgt Ion: 43 Resp: 2188527

Ion Ratio Lower Upper

43 100

58 37.6 29.8 44.8





#53

Toluene

Concen: 48.33 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

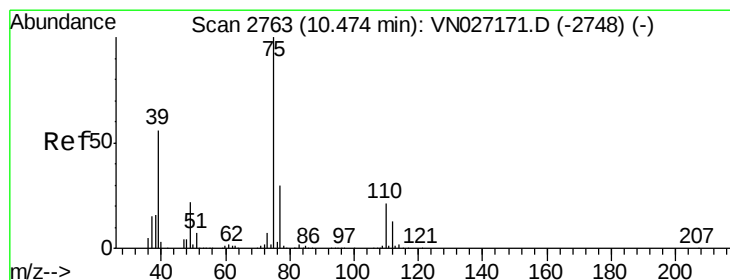
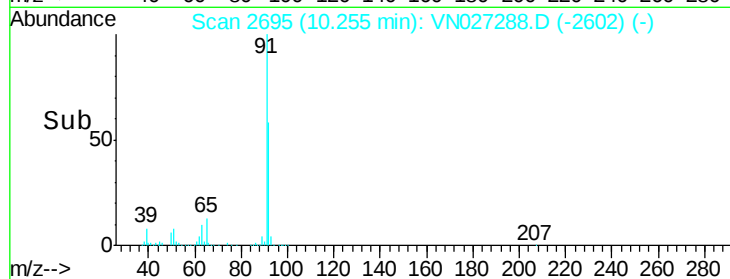
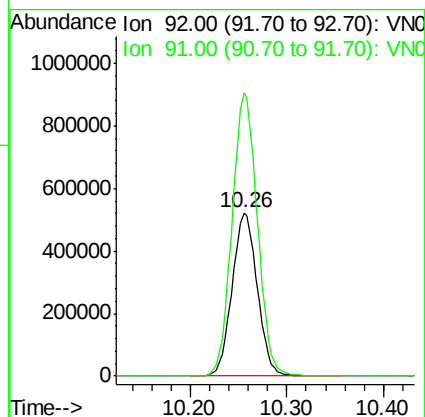
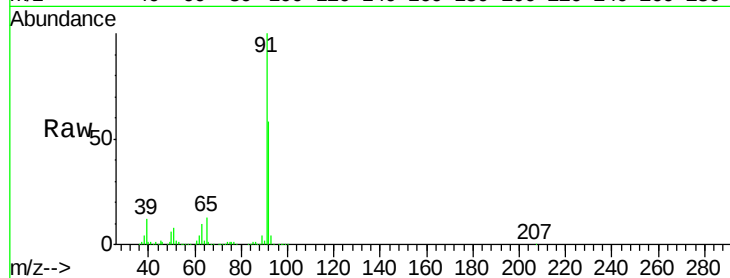
VSTDCCC050EC

Tgt Ion: 92 Resp: 942515

Ion Ratio Lower Upper

92 100

91 173.9 141.4 212.2



#54

t-1,3-Dichloropropene

Concen: 43.74 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027288.D

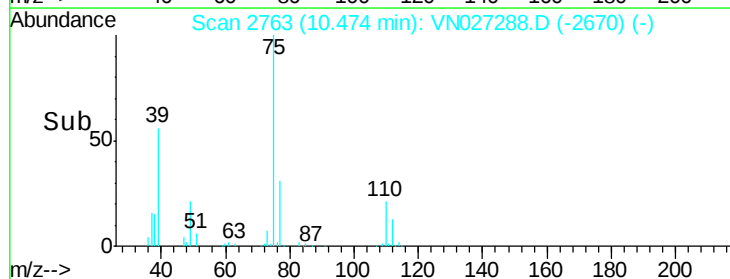
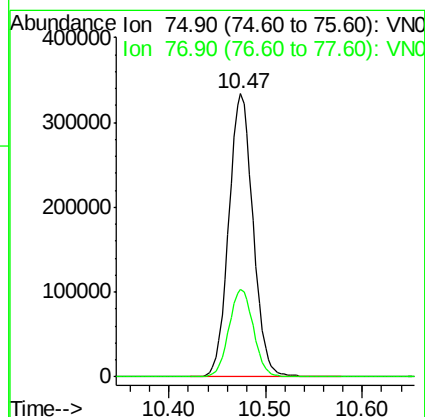
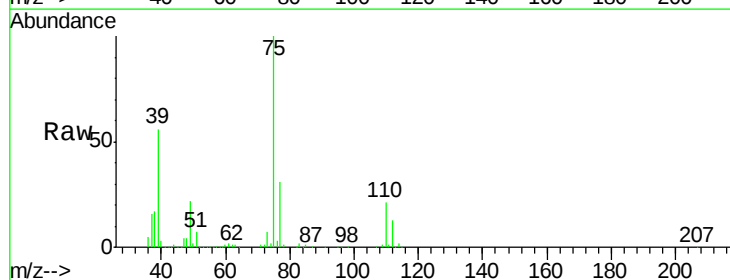
Acq: 18 Sep 2015 7:18

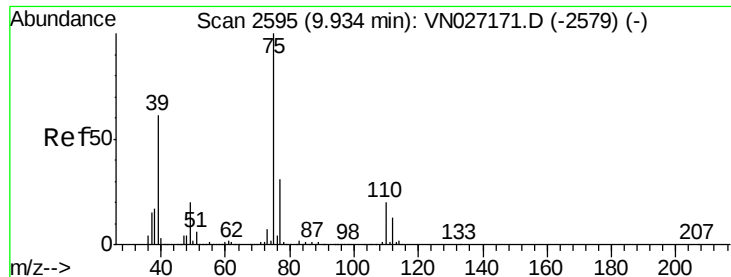
Tgt Ion: 75 Resp: 582102

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 43.75 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

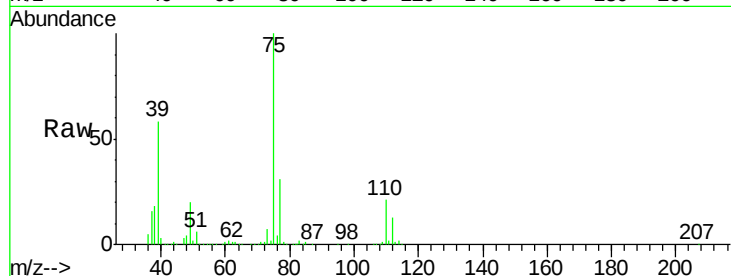
Tgt Ion: 75 Resp: 633415

Ion Ratio Lower Upper

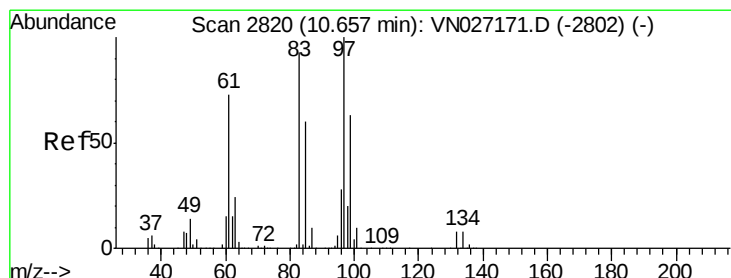
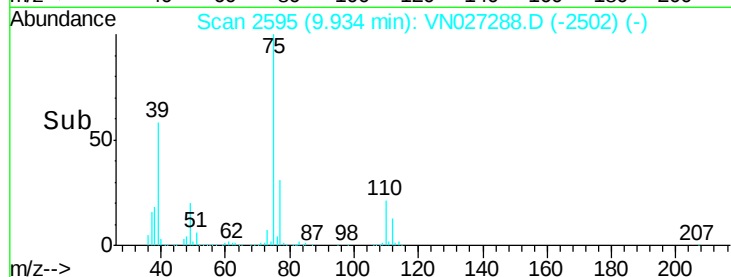
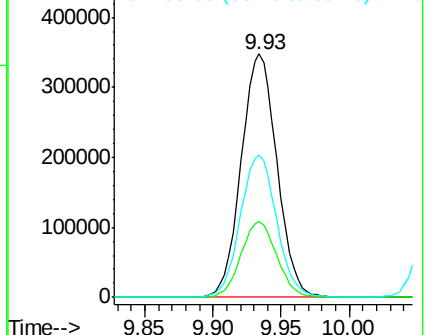
75 100

77 31.0 25.6 38.4

39 58.2 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: 48.80 ug/l

RT: 10.66 min Scan# 2820

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Tgt Ion: 97 Resp: 357604

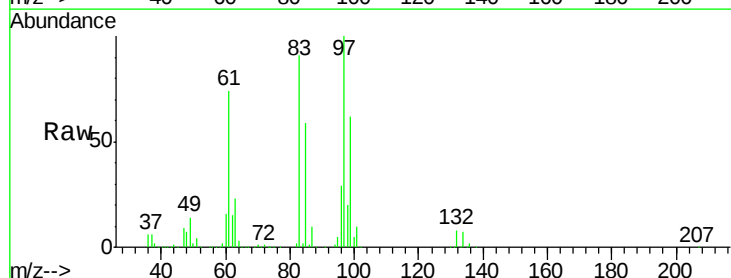
Ion Ratio Lower Upper

97 100

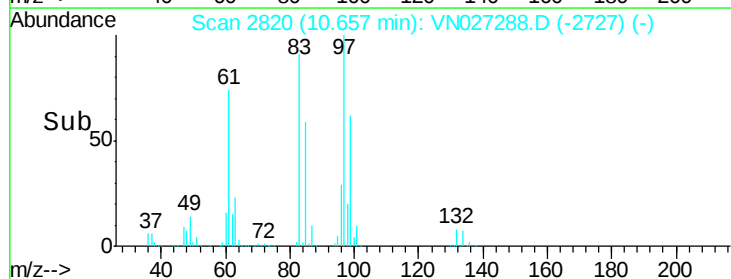
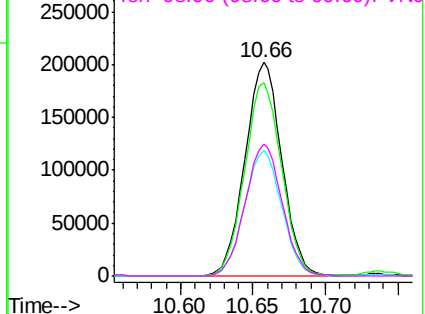
83 90.5 75.0 112.4

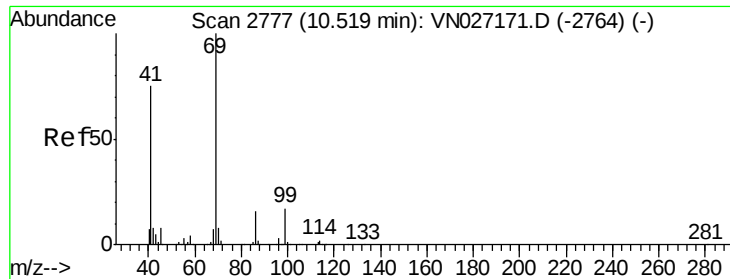
85 58.6 48.0 72.0

99 61.6 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: 46.46 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

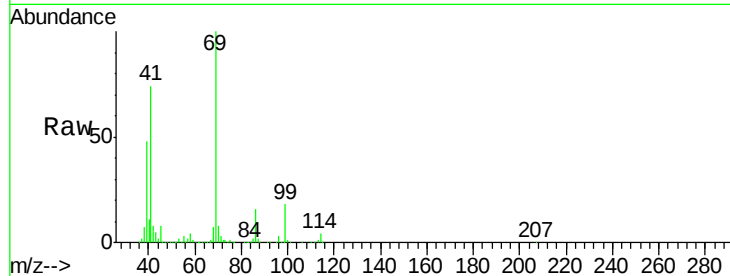
Tgt Ion: 69 Resp: 573798

Ion Ratio Lower Upper

69 100

41 71.9 61.3 91.9

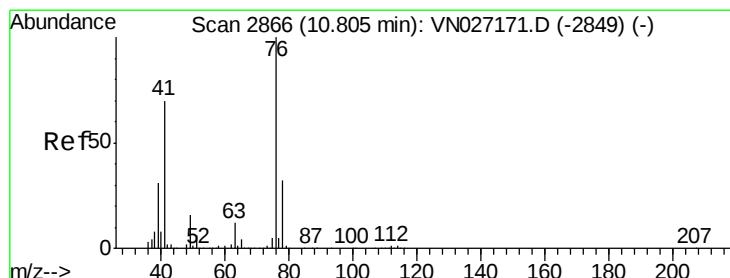
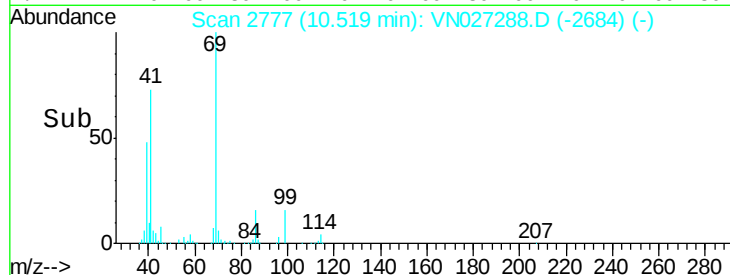
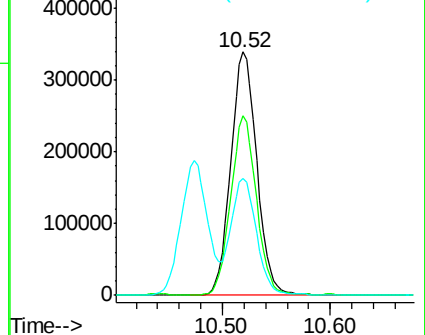
39 47.7 28.4 42.6#



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: 48.06 ug/l

RT: 10.81 min Scan# 2866

Delta R.T. 0.00 min

Lab File: VN027288.D

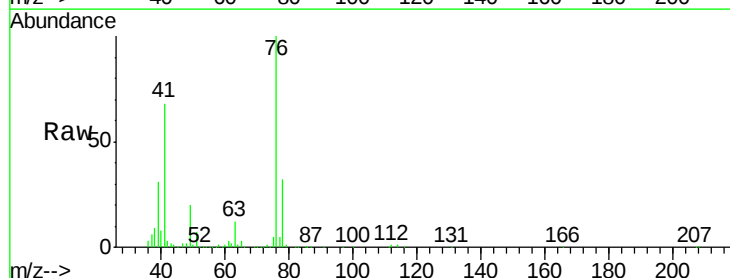
Acq: 18 Sep 2015 7:18

Tgt Ion: 76 Resp: 653839

Ion Ratio Lower Upper

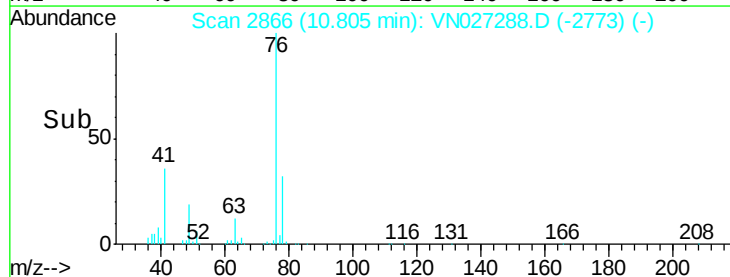
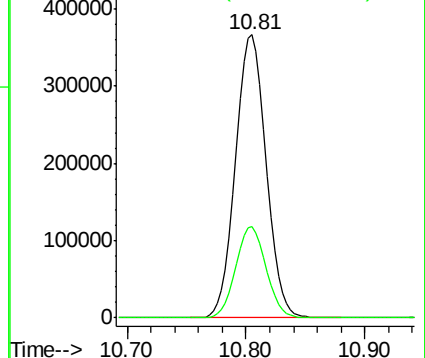
76 100

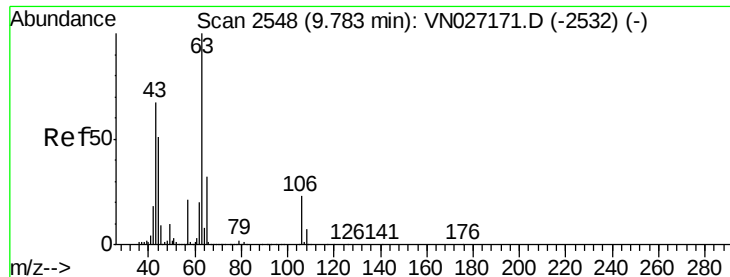
78 32.1 25.0 37.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

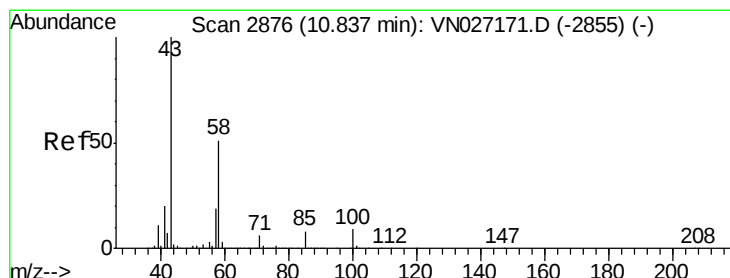
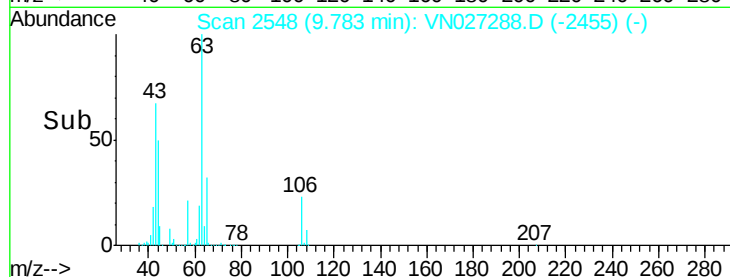
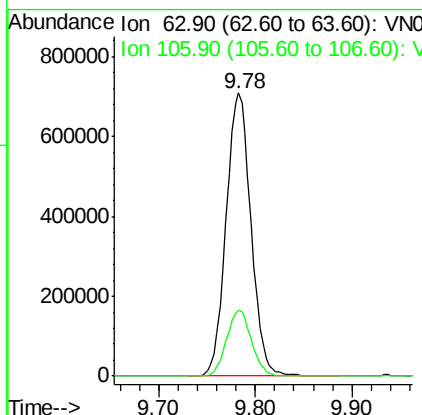
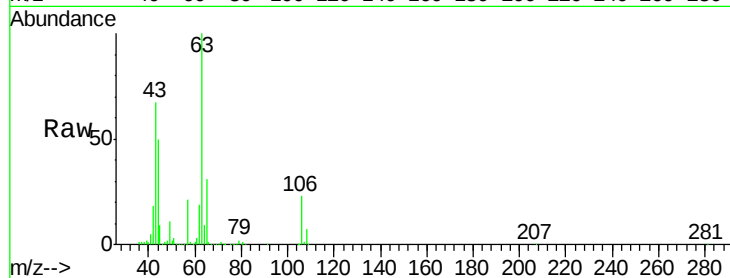




#59
 2-Chloroethyl Vinyl ether
 Concen: 223.09 ug/l
 RT: 9.78 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

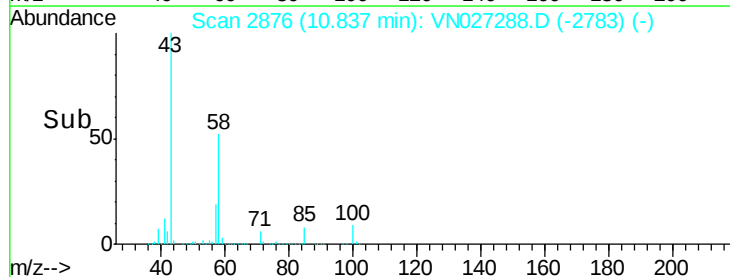
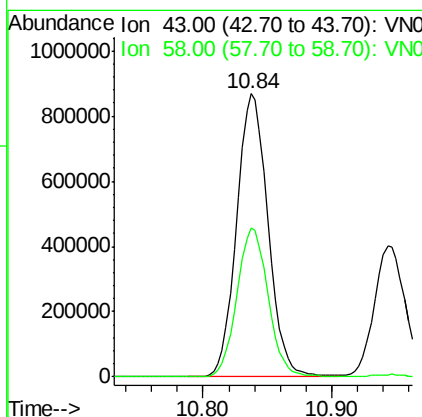
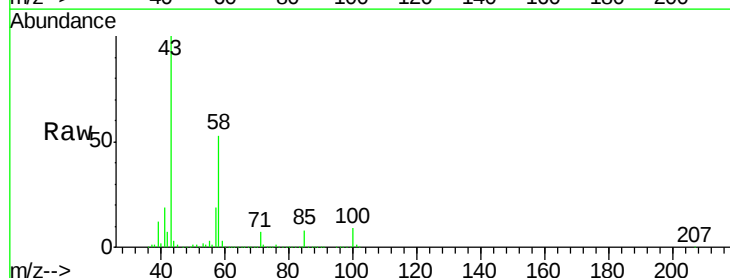
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

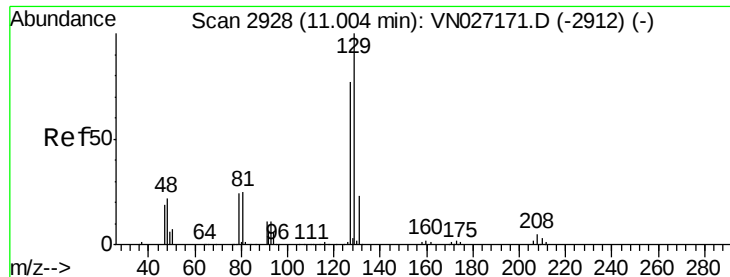
Tgt Ion: 63 Resp: 1265064
 Ion Ratio Lower Upper
 63 100
 106 23.4 17.7 26.5



#60
 2-Hexanone
 Concen: 223.03 ug/l
 RT: 10.84 min Scan# 2876
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion: 43 Resp: 1463854
 Ion Ratio Lower Upper
 43 100
 58 52.4 26.2 78.5

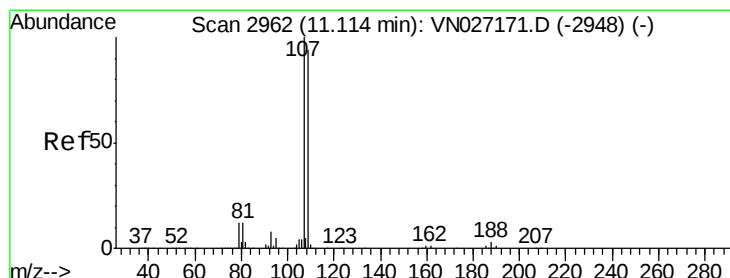
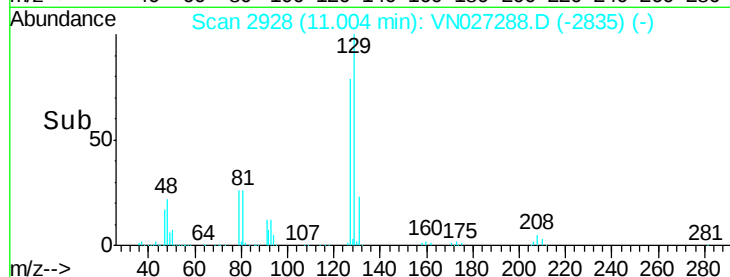
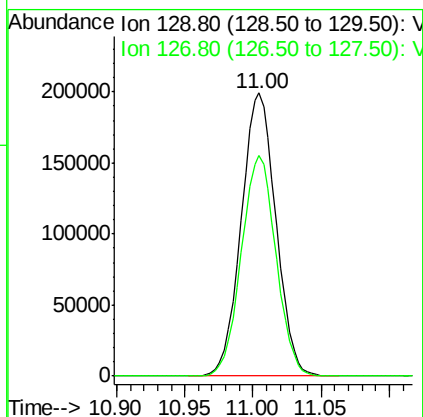
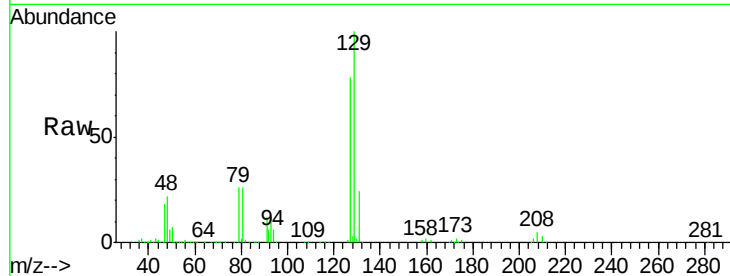




#61
Dibromochloromethane
Concen: 46.94 ug/l
RT: 11.00 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

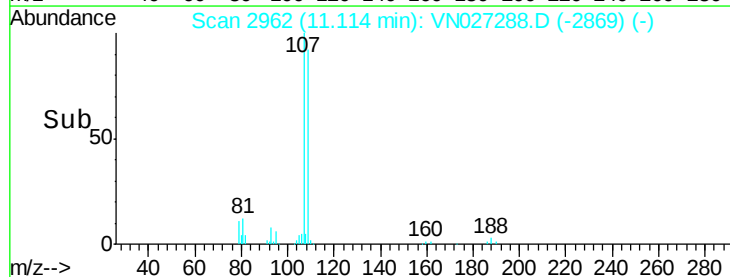
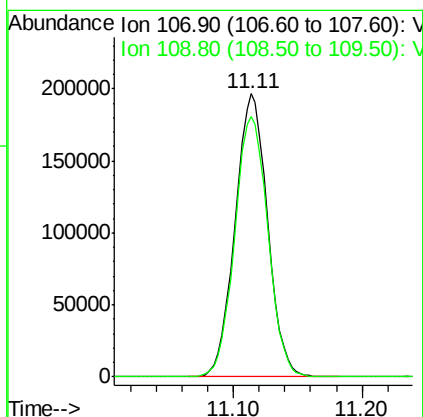
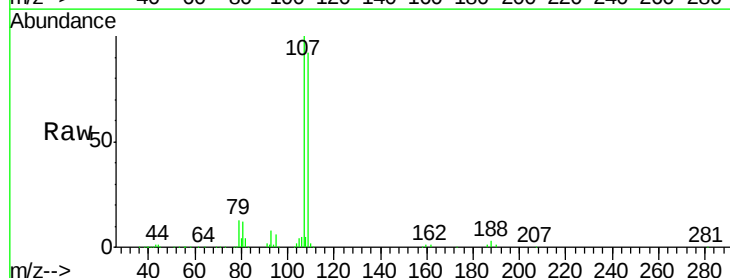
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

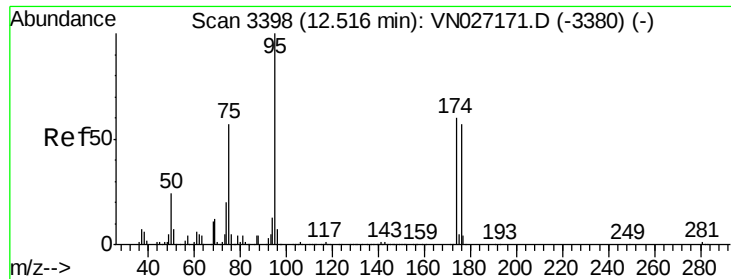
Tgt Ion:129 Resp: 351288
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.2



#62
1,2-Dibromoethane
Concen: 47.70 ug/l
RT: 11.11 min Scan# 2962
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion:107 Resp: 343486
Ion Ratio Lower Upper
107 100
109 94.2 75.6 113.4

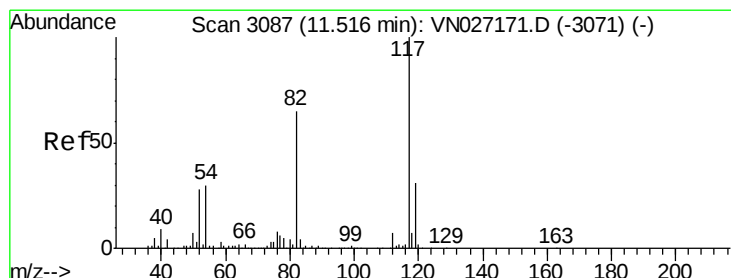
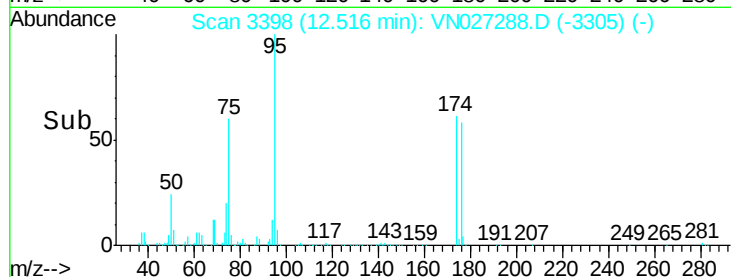
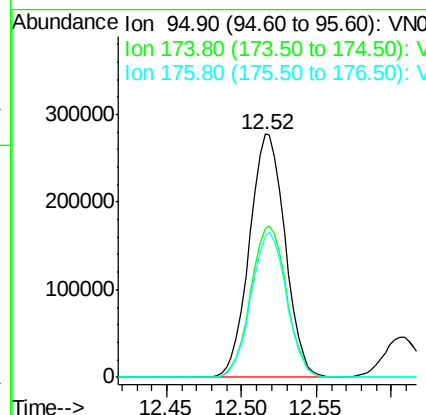
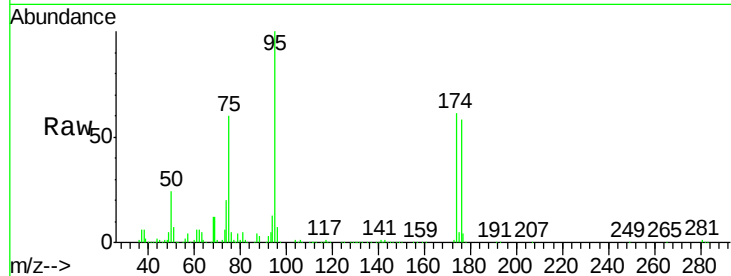




#63
 4-Bromofluorobenzene
 Concen: 49.09 ug/l
 RT: 12.52 min Scan# 3398
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

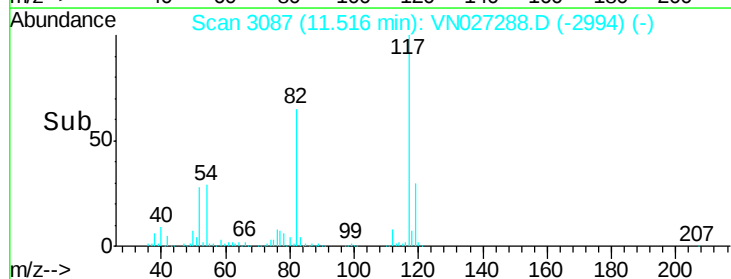
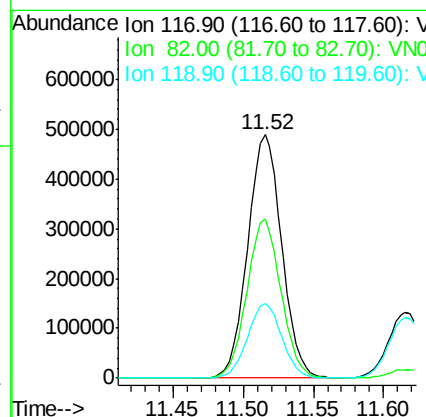
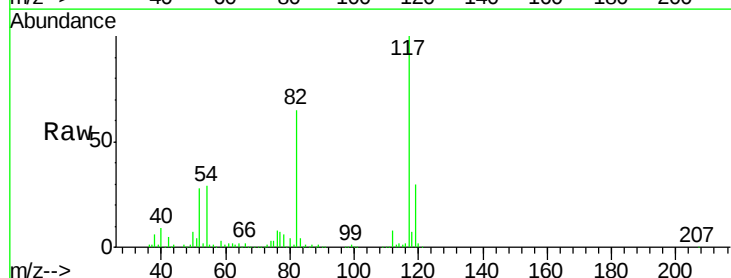
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

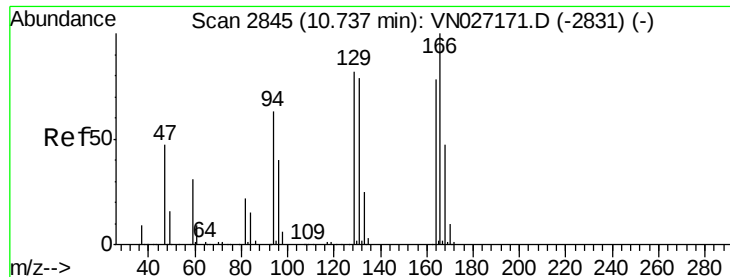
Tgt Ion: 95 Resp: 460957
 Ion Ratio Lower Upper
 95 100
 174 62.6 0.0 137.0
 176 59.0 0.0 130.8



#64
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion: 117 Resp: 826593
 Ion Ratio Lower Upper
 117 100
 82 65.1 49.6 74.4
 119 30.5 24.6 36.8

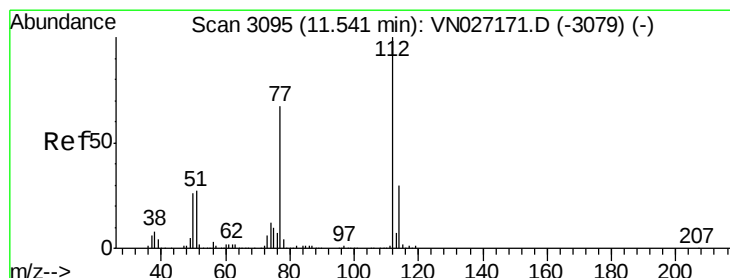
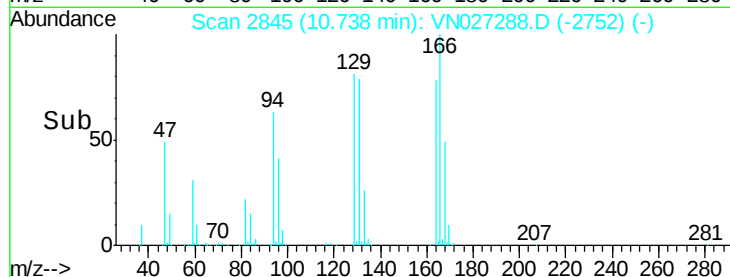
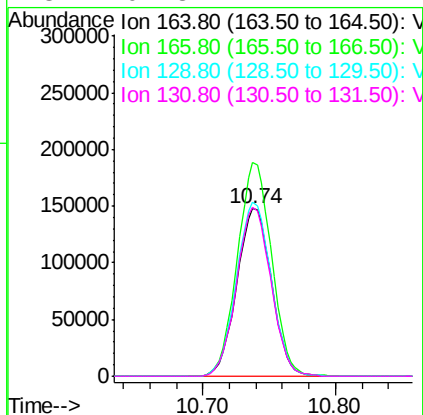
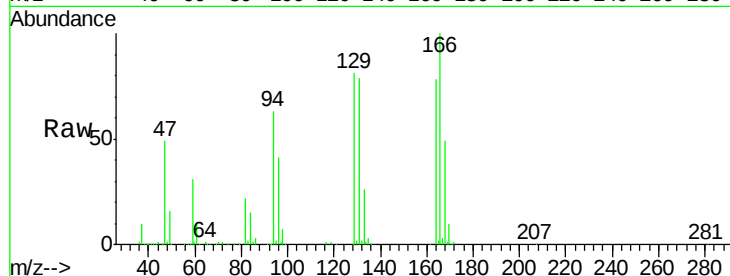




#65
Tetrachloroethene
Concen: 50.89 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

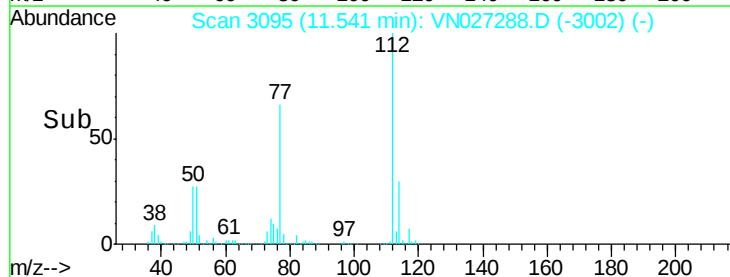
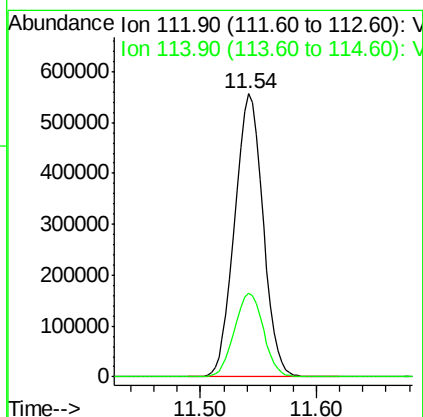
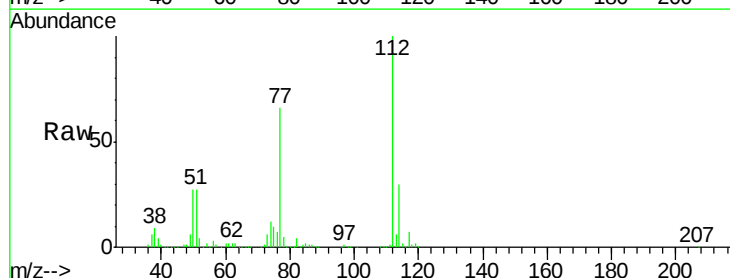
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

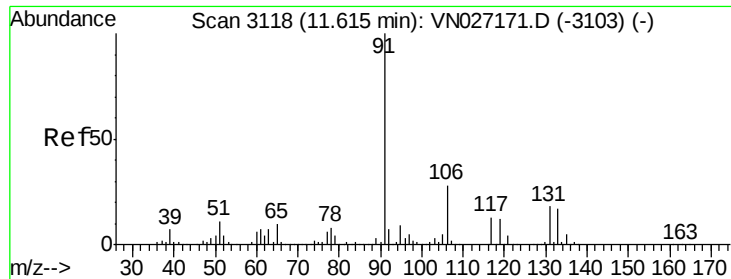
Tgt Ion:164 Resp: 269025
Ion Ratio Lower Upper
164 100
166 127.6 103.4 155.0
129 103.8 77.5 116.3
131 101.3 74.2 111.4



#66
Chlorobenzene
Concen: 48.22 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion:112 Resp: 941001
Ion Ratio Lower Upper
112 100
114 29.7 24.9 37.3

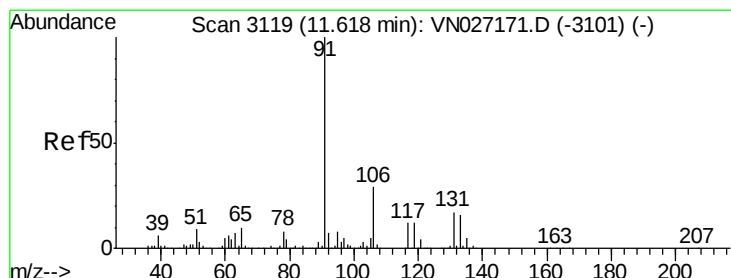
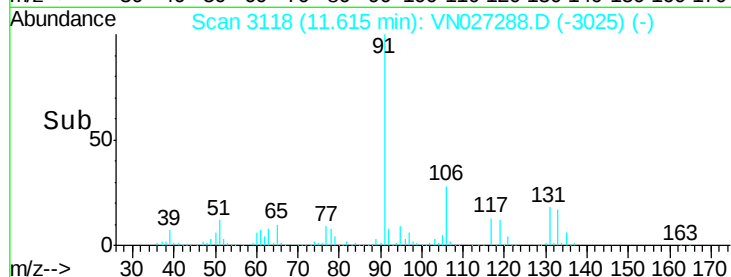
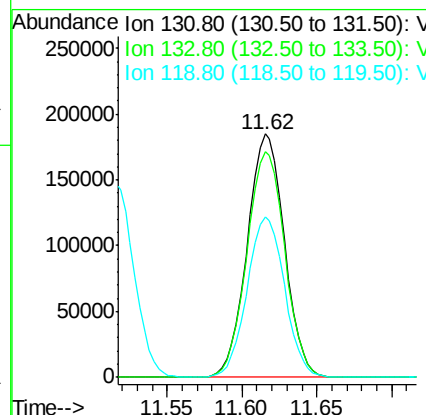
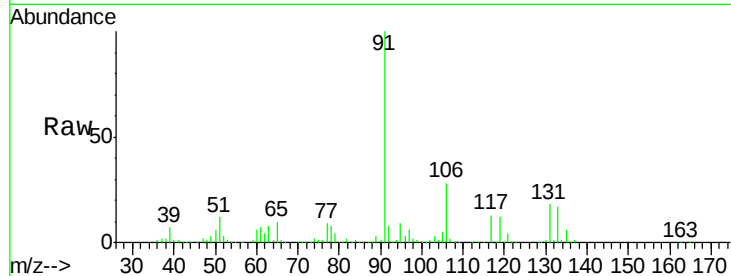




#67
 1,1,1,2-Tetrachloroethane
 Concen: 48.07 ug/l
 RT: 11.62 min Scan# 3118
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

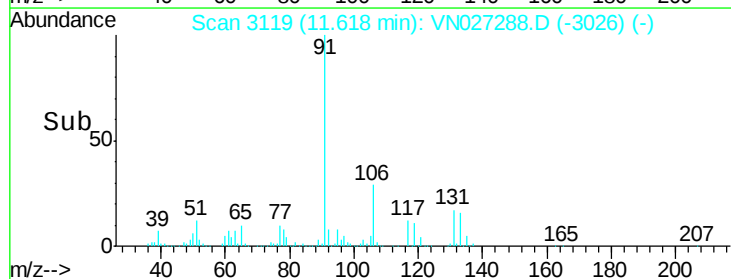
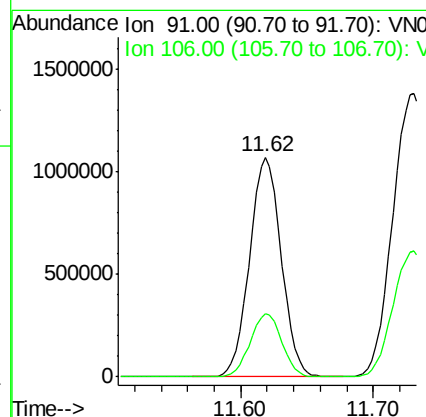
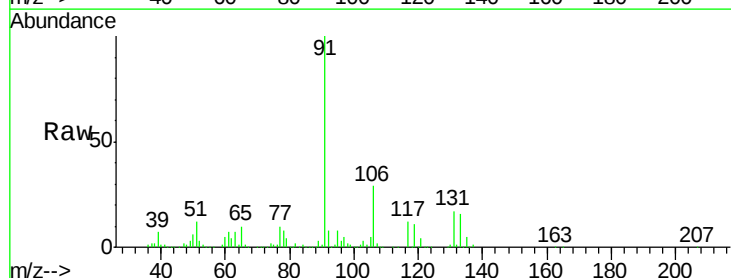
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

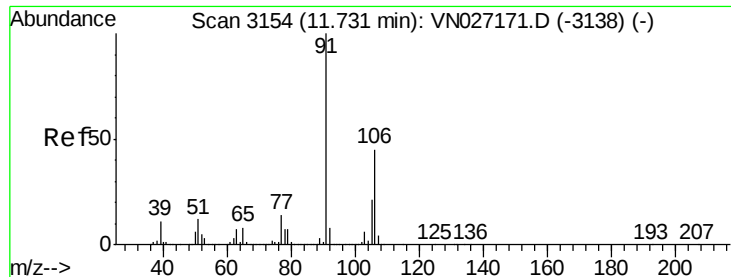
Tgt Ion: 131 Resp: 319994
 Ion Ratio Lower Upper
 131 100
 133 94.8 47.0 141.2
 119 66.6 35.1 105.5



#68
 Ethyl Benzene
 Concen: 47.90 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion: 91 Resp: 1772443
 Ion Ratio Lower Upper
 91 100
 106 28.7 23.1 34.7

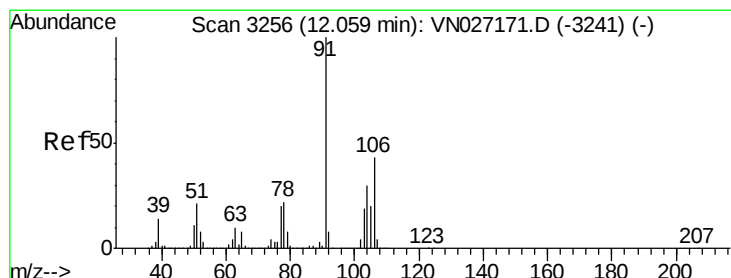
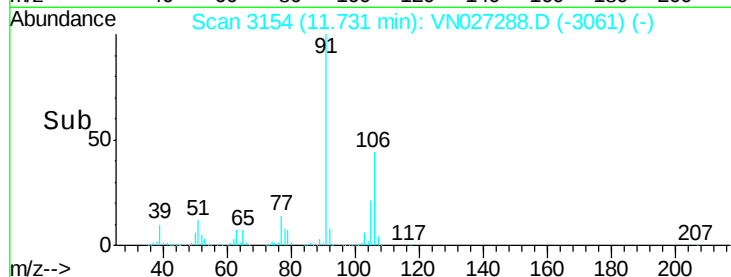
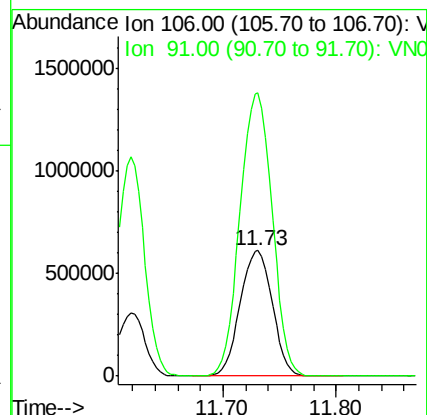
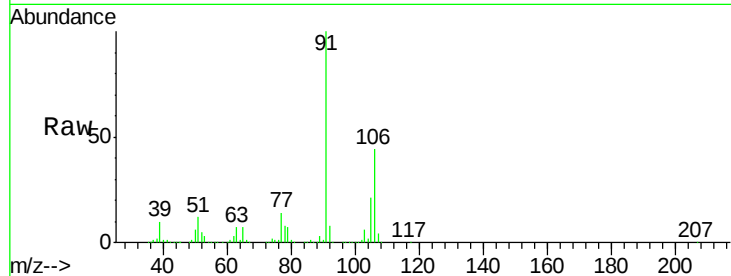




#69
m/p-Xylenes
Concen: 95.17 ug/l
RT: 11.73 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

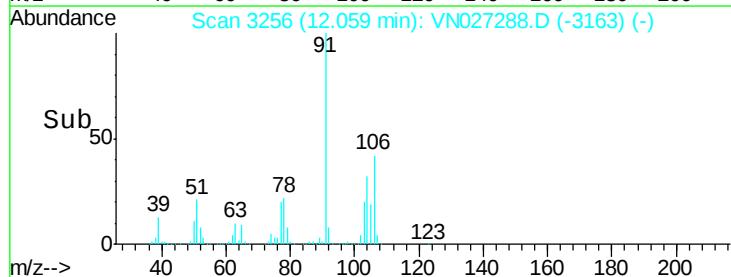
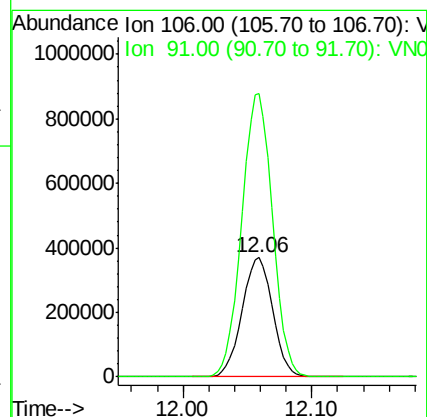
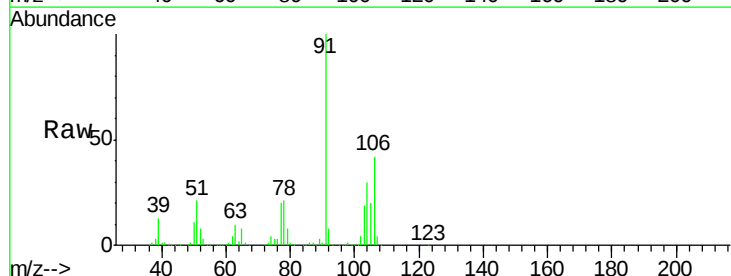
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

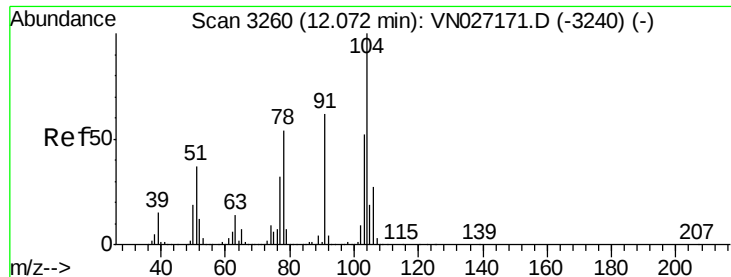
Tgt Ion:106 Resp: 1215079
Ion Ratio Lower Upper
106 100
91 225.8 167.1 250.7



#70
o-Xylene
Concen: 47.73 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion:106 Resp: 610820
Ion Ratio Lower Upper
106 100
91 238.1 110.7 331.9

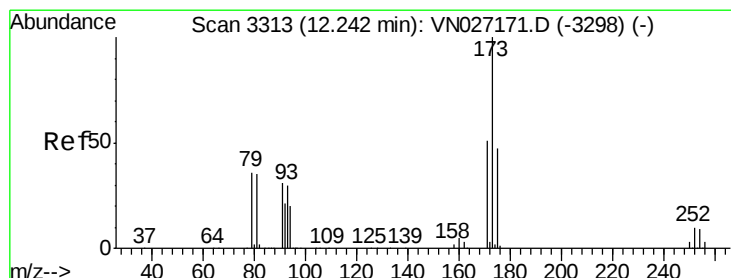
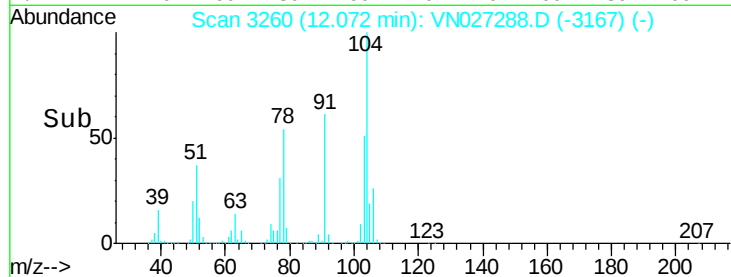
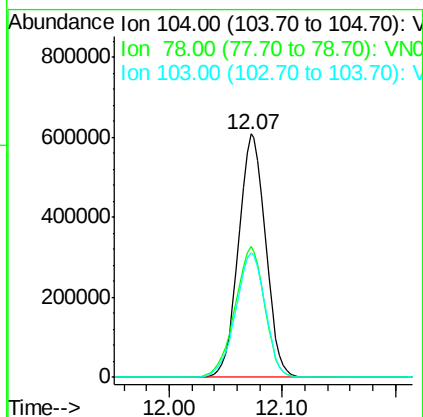
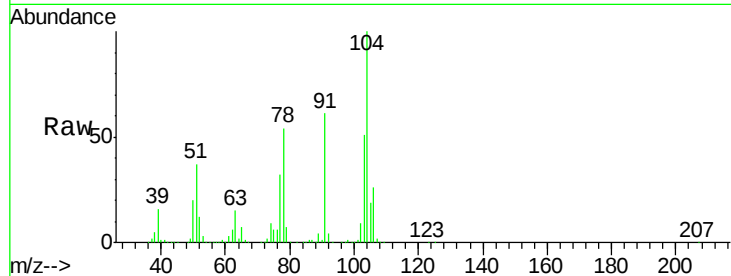




#71
 Styrene
 Concen: 49.03 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

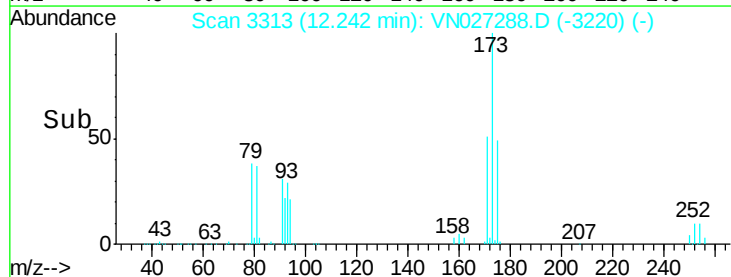
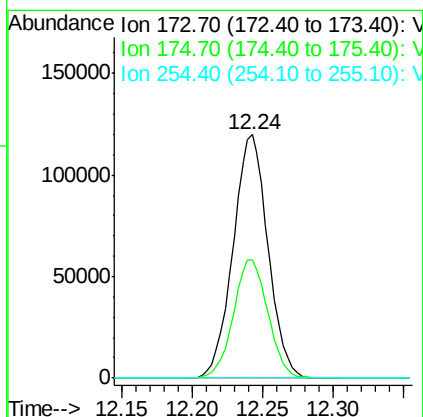
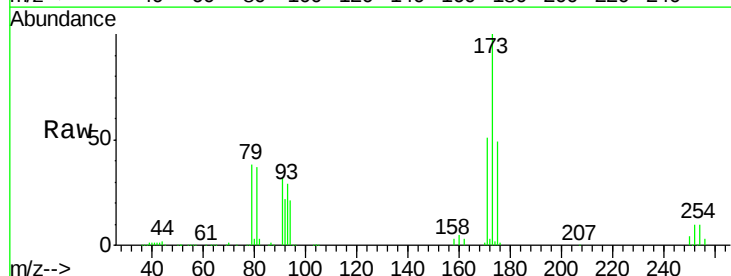
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

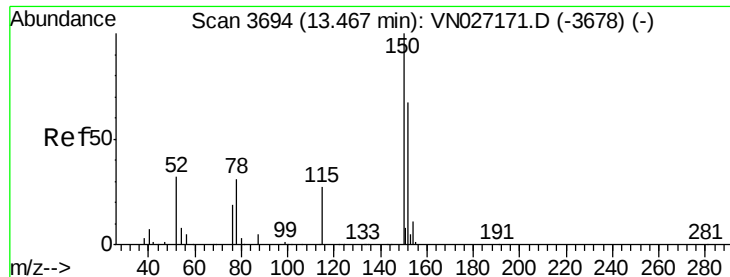
Tgt Ion:104 Resp: 1013116
 Ion Ratio Lower Upper
 104 100
 78 58.7 41.6 62.4
 103 55.8 44.2 66.2



#72
 Bromoform
 Concen: 44.80 ug/l
 RT: 12.24 min Scan# 3313
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion:173 Resp: 207390
 Ion Ratio Lower Upper
 173 100
 175 48.0 24.4 73.4
 254 0.0 0.1 0.1#

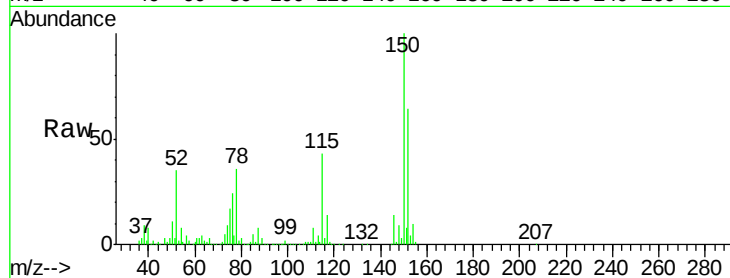




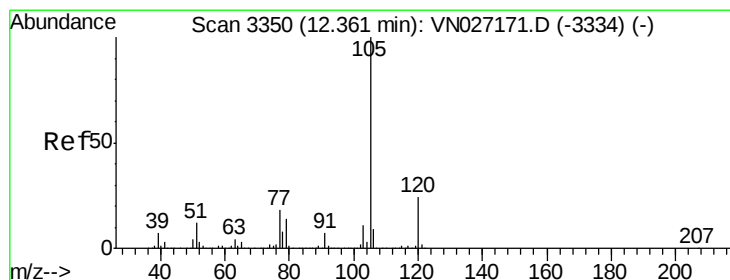
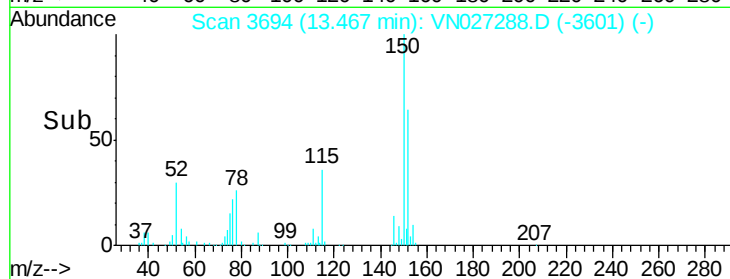
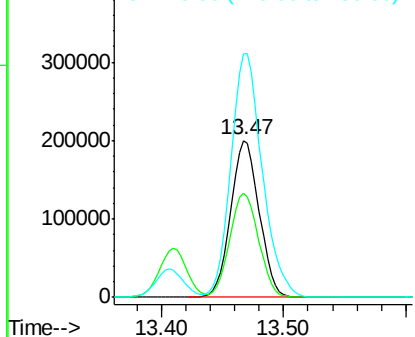
#73
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.47 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:152 Resp: 324176
 Ion Ratio Lower Upper
 152 100
 115 67.7 30.8 92.3
 150 171.3 0.0 345.0

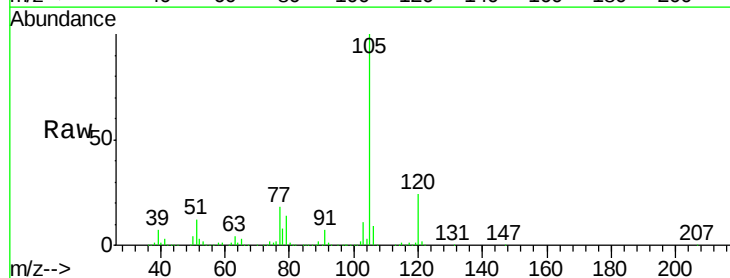


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

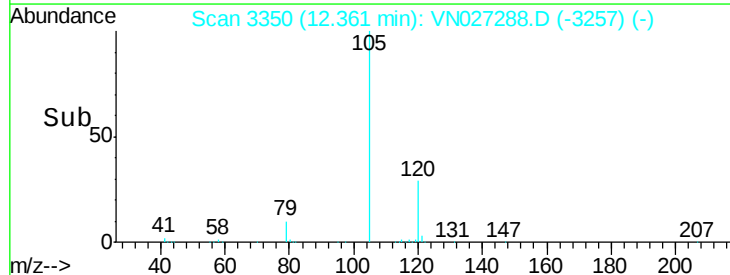
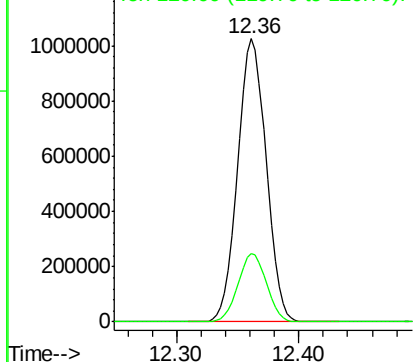


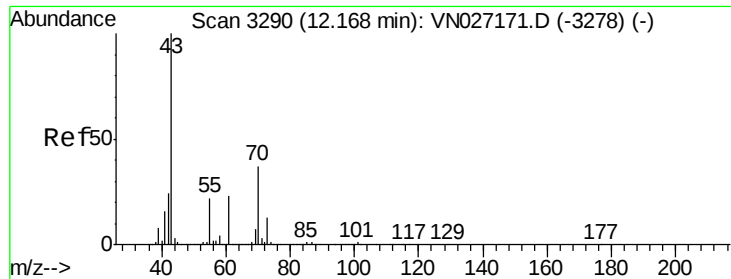
#74
 Isopropylbenzene
 Concen: 46.21 ug/l
 RT: 12.36 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion:105 Resp: 1650633
 Ion Ratio Lower Upper
 105 100
 120 24.0 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

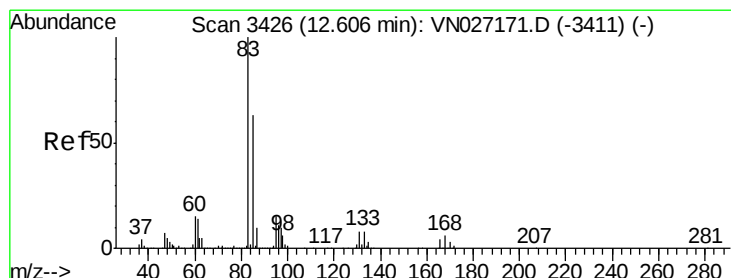
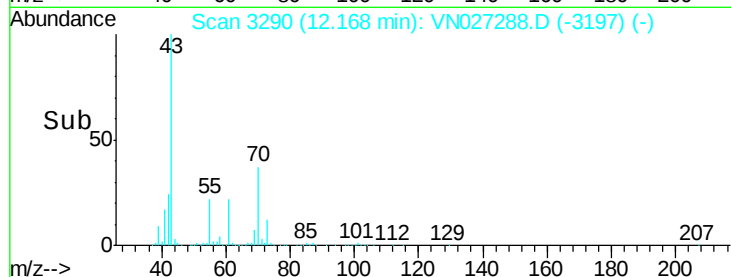
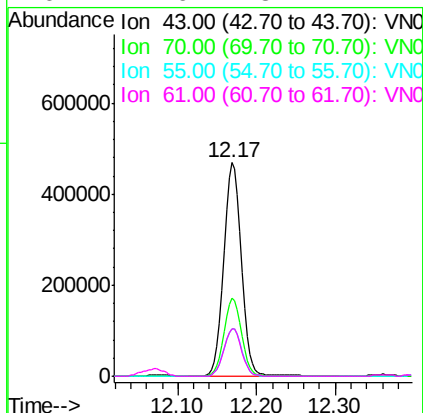
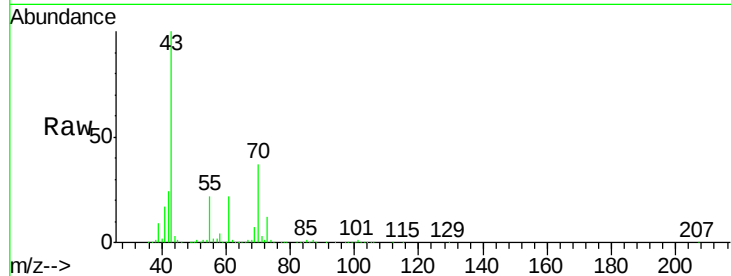




#75
N-ethyl acetate
Concen: 45.22 ug/l
RT: 12.17 min Scan# 3290
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

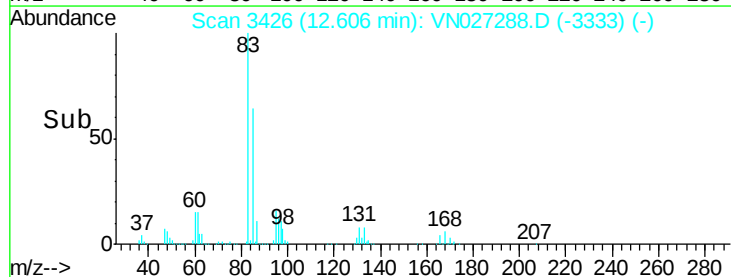
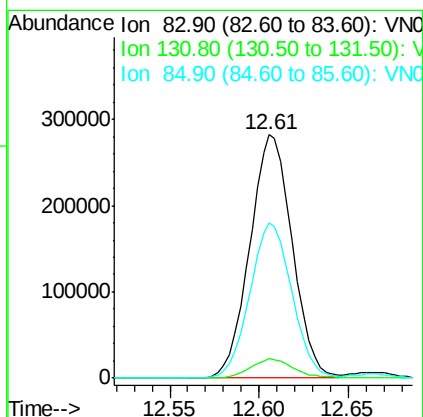
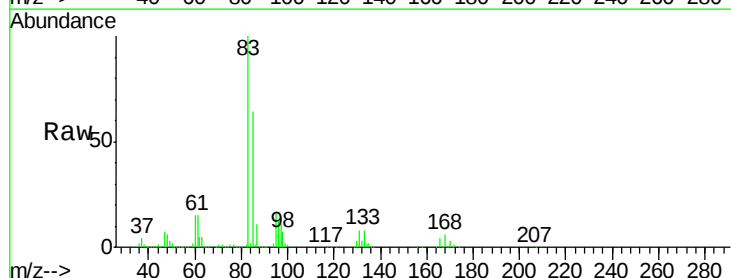
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

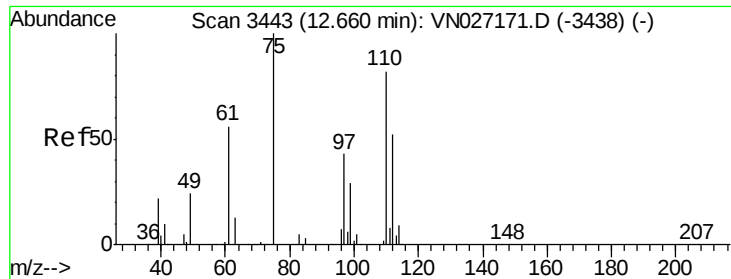
Tgt Ion:	43	Resp:	720993
Ion	Ratio	Lower	Upper
43	100		
70	36.6	29.8	44.8
55	22.7	19.4	29.0
61	22.6	18.2	27.2



#76
1,1,2,2-Tetrachloroethane
Concen: 50.87 ug/l
RT: 12.61 min Scan# 3426
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion:	83	Resp:	468582
Ion	Ratio	Lower	Upper
83	100		
131	8.2	4.1	12.3
85	63.1	31.9	95.7





#77

1,2,3-Trichloropropane

Concen: 61.30 ug/l

RT: 12.66 min Scan# 3444

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

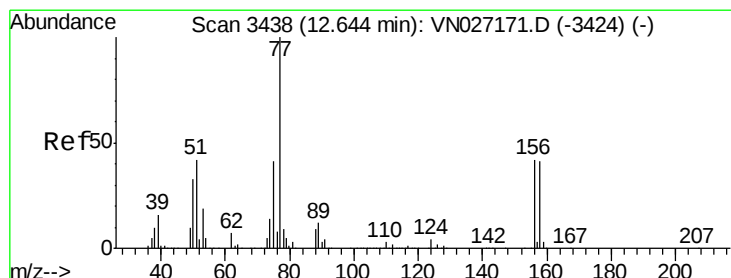
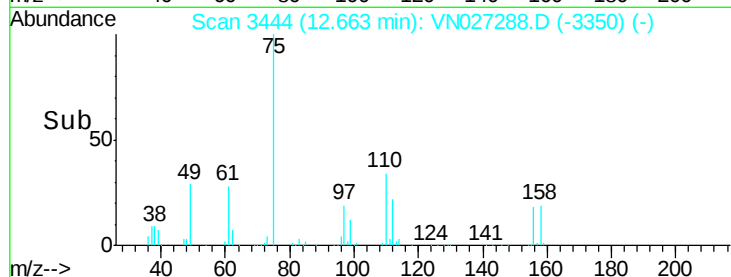
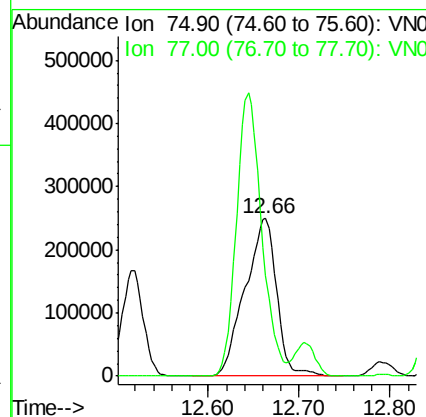
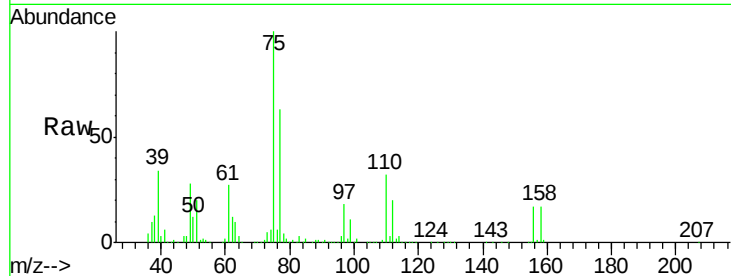
VSTDCCC050EC

Tgt Ion: 75 Resp: 600575

Ion Ratio Lower Upper

75 100

77 144.1 103.1 309.3



#78

Bromobenzene

Concen: 45.94 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

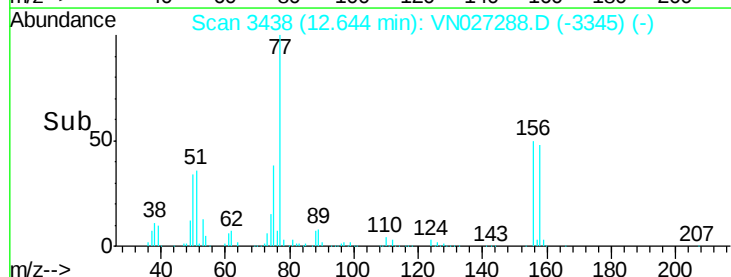
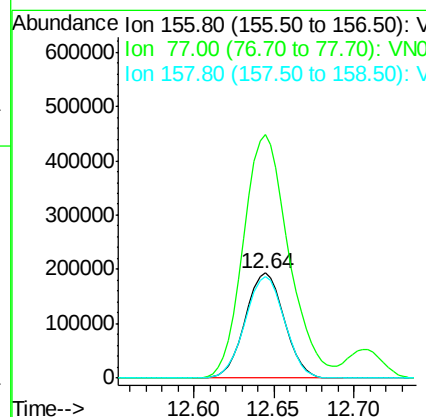
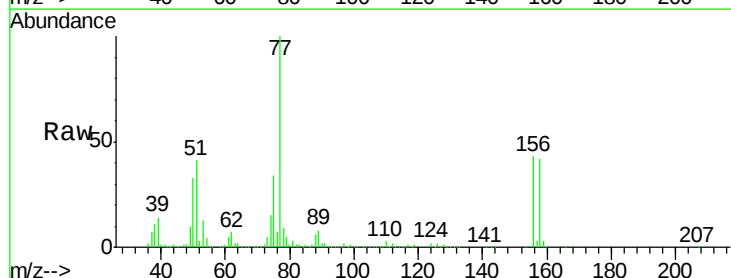
Tgt Ion: 156 Resp: 321798

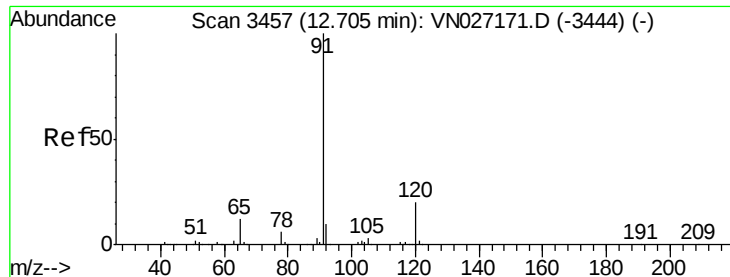
Ion Ratio Lower Upper

156 100

77 268.9 127.3 381.9

158 97.7 48.0 144.2





#79

n-propylbenzene

Concen: 46.95 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

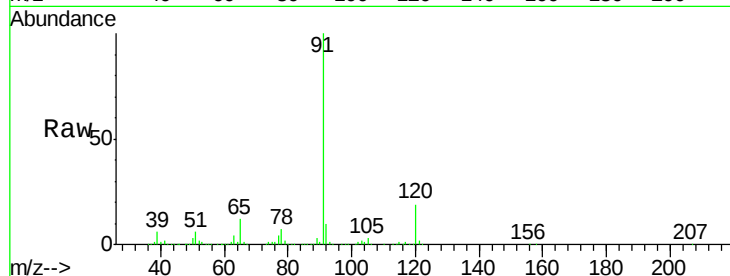
VSTDCCC050EC

Tgt Ion: 91 Resp: 1973111

Ion Ratio Lower Upper

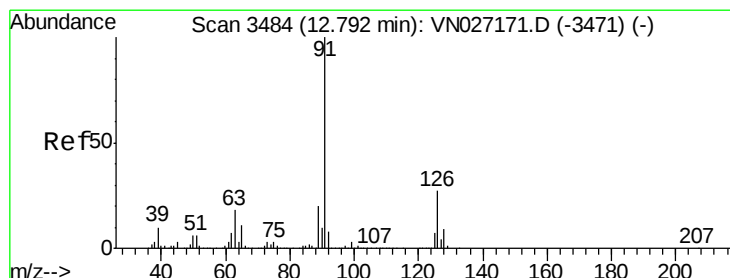
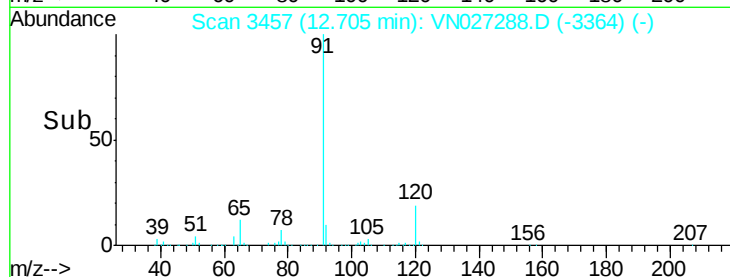
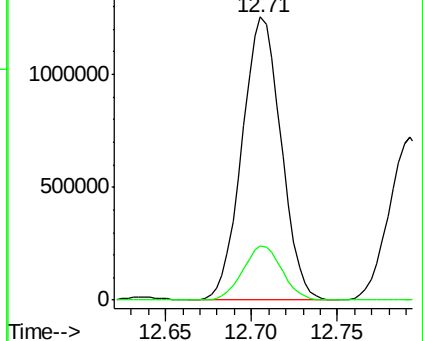
91 100

120 19.3 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#80

2-Chlorotoluene

Concen: 46.85 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. 0.00 min

Lab File: VN027288.D

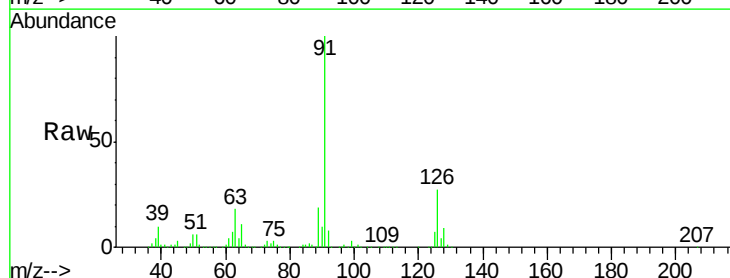
Acq: 18 Sep 2015 7:18

Tgt Ion: 91 Resp: 1182396

Ion Ratio Lower Upper

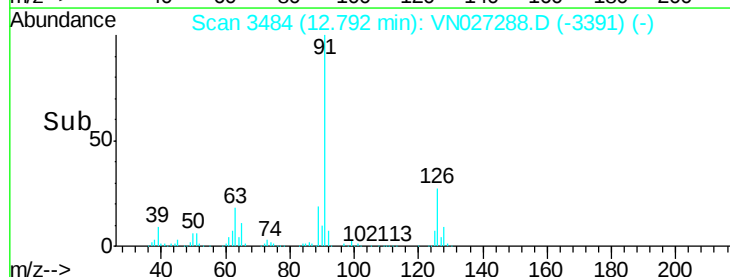
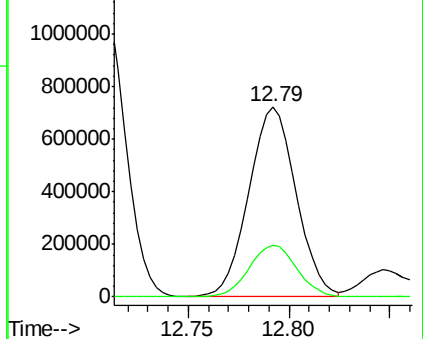
91 100

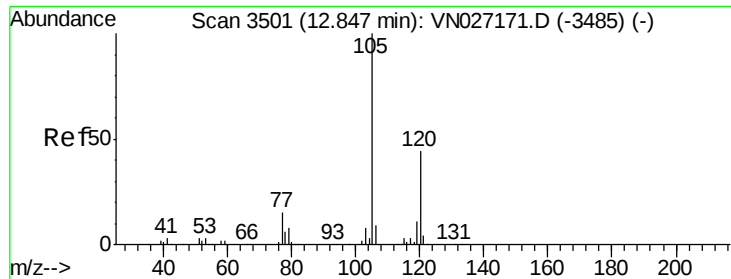
126 27.5 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

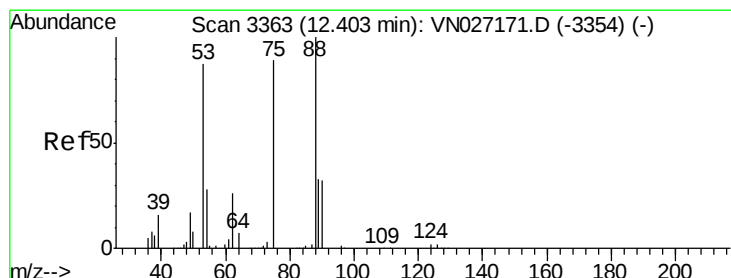
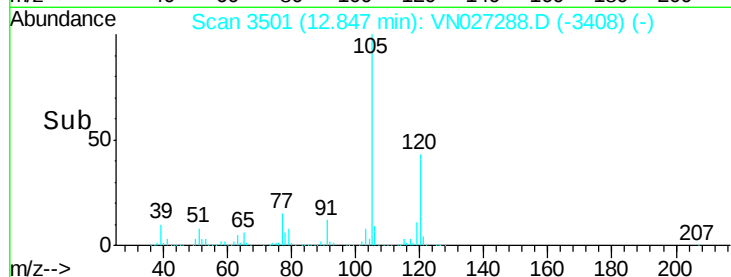
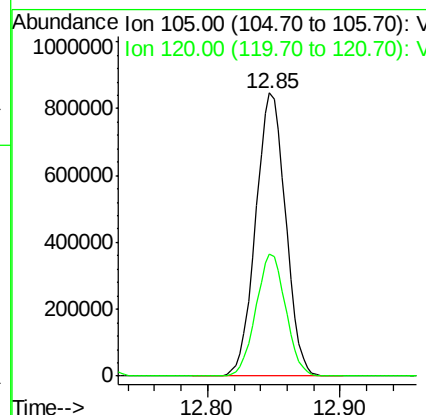
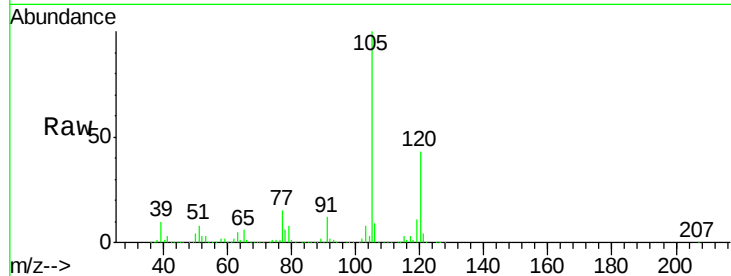




#81
 1,3,5-Trimethylbenzene
 Concen: 46.26 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

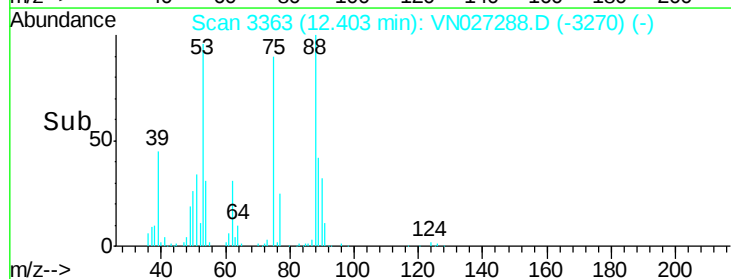
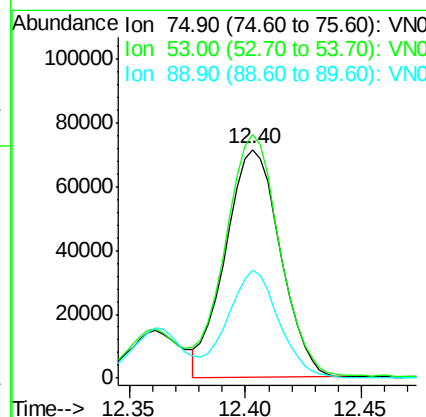
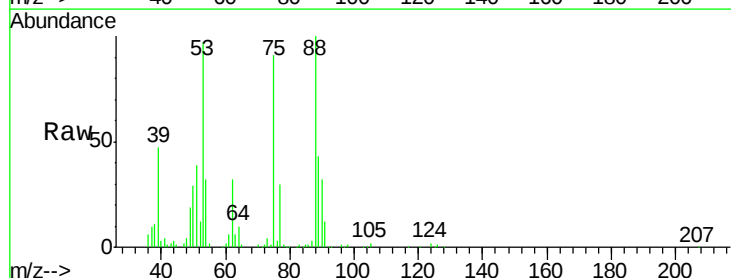
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

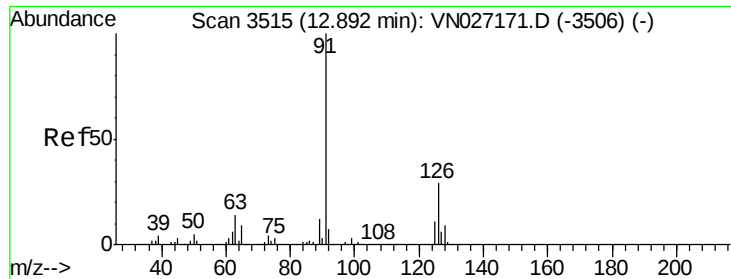
Tgt Ion: 105 Resp: 1327554
 Ion Ratio Lower Upper
 105 100
 120 43.1 23.4 70.0



#82
 trans-1,4-Dichloro-2-butene
 Concen: 29.41 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion: 75 Resp: 117290
 Ion Ratio Lower Upper
 75 100
 53 106.2 92.9 139.3
 89 44.5 34.2 51.4

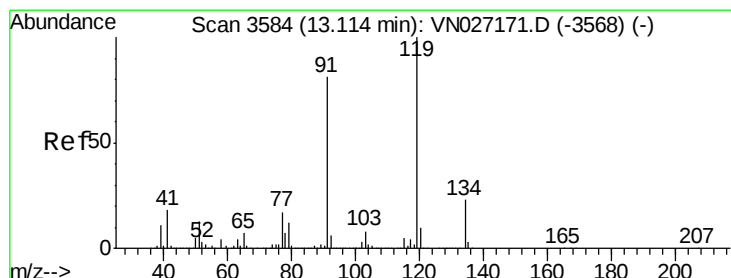
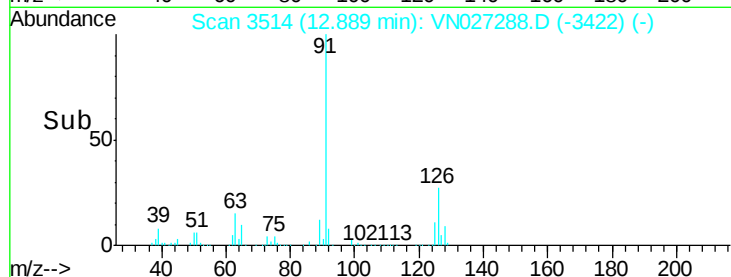
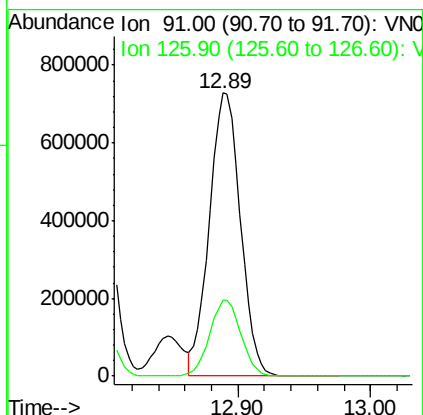
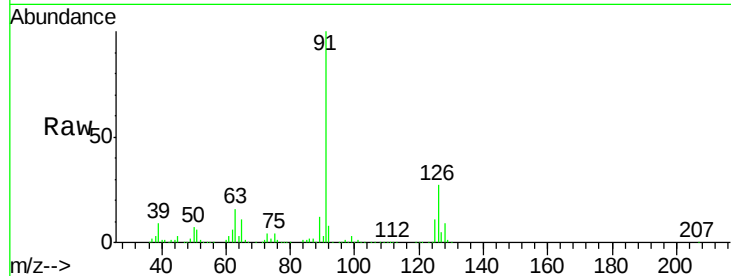




#83
4-Chlorotoluene
Concen: 47.66 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

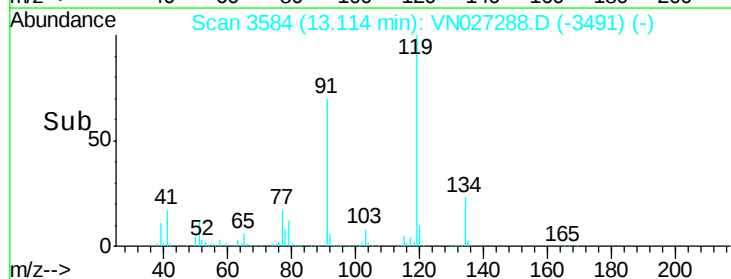
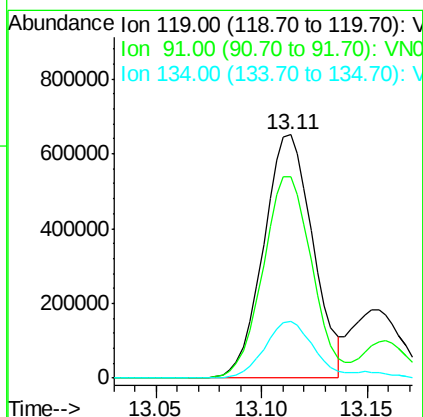
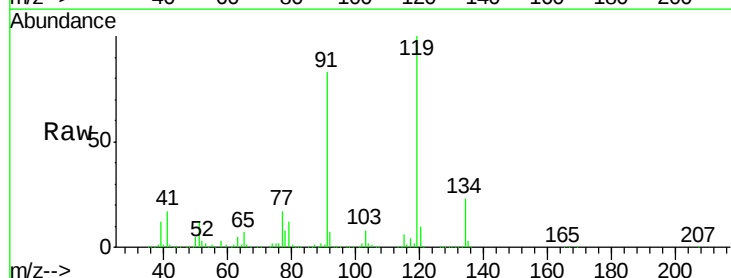
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

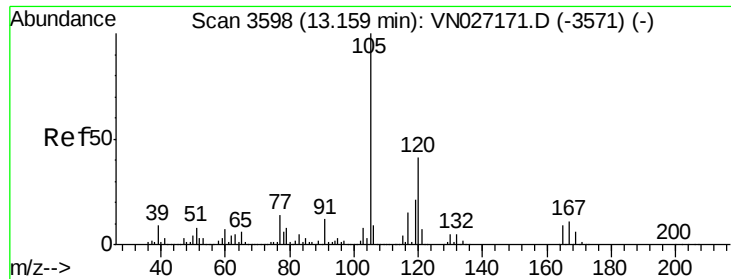
Tgt Ion: 91 Resp: 1181835
Ion Ratio Lower Upper
91 100
126 27.1 14.9 44.5



#84
tert-Butylbenzene
Concen: 44.84 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027288.D
Acq: 18 Sep 2015 7:18

Tgt Ion: 119 Resp: 1061645
Ion Ratio Lower Upper
119 100
91 81.9 34.6 103.8
134 23.2 11.4 34.2

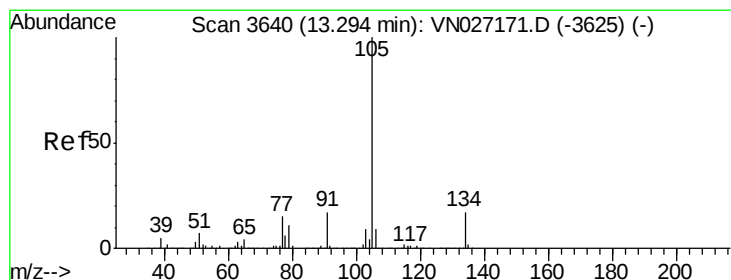
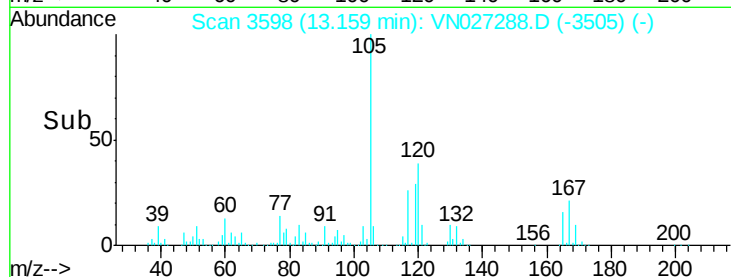
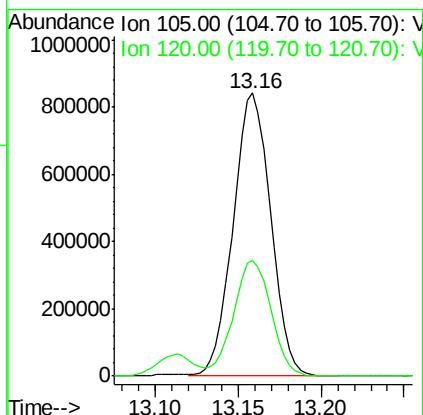
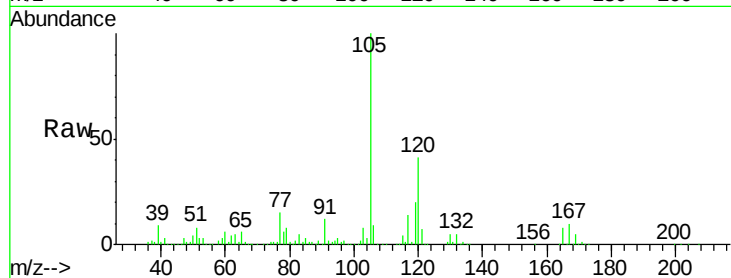




#85
 1,2,4-Trimethylbenzene
 Concen: 46.00 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

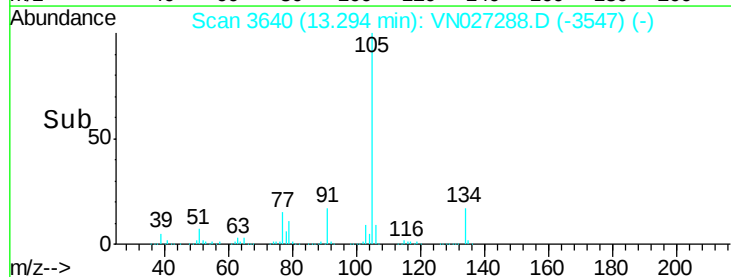
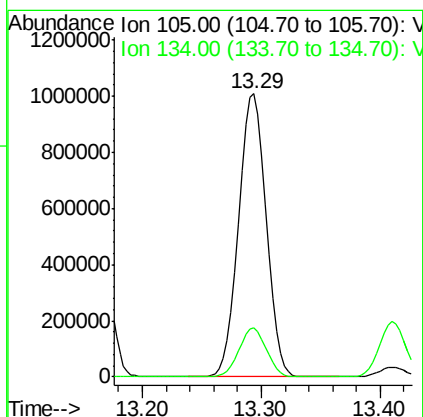
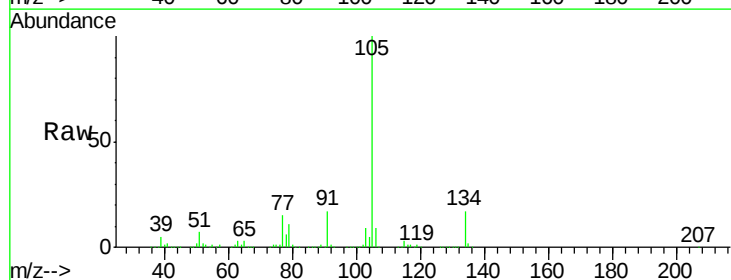
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

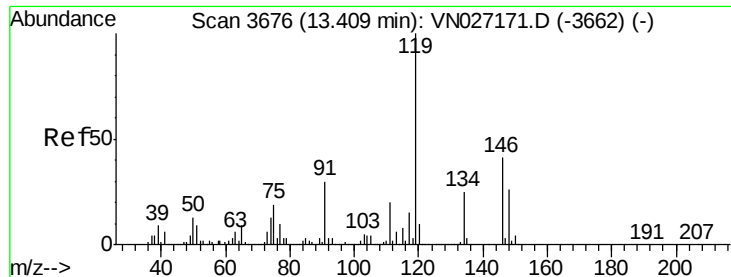
Tgt Ion:105 Resp: 1325996
 Ion Ratio Lower Upper
 105 100
 120 41.0 21.9 65.5



#86
 sec-Butylbenzene
 Concen: 46.71 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion:105 Resp: 1620227
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.8 26.4

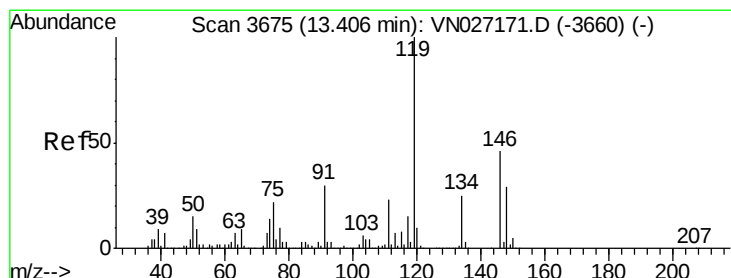
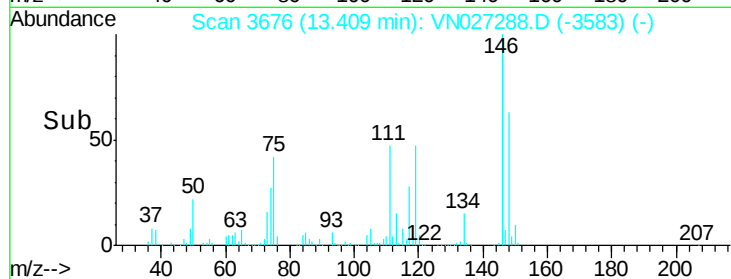
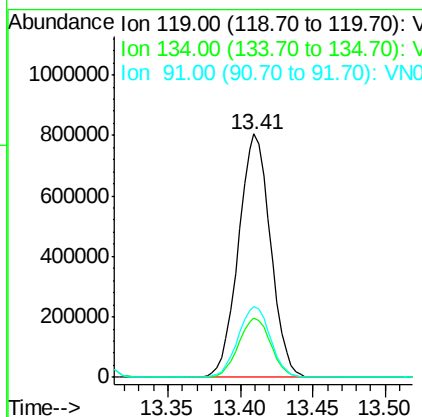
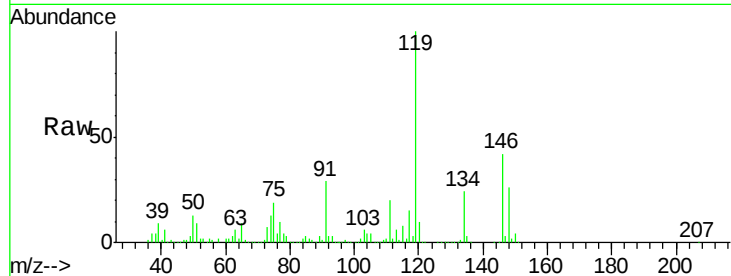




#87
 p-Isopropyltoluene
 Concen: 46.05 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

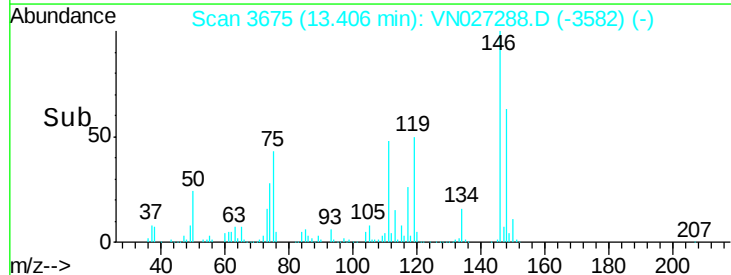
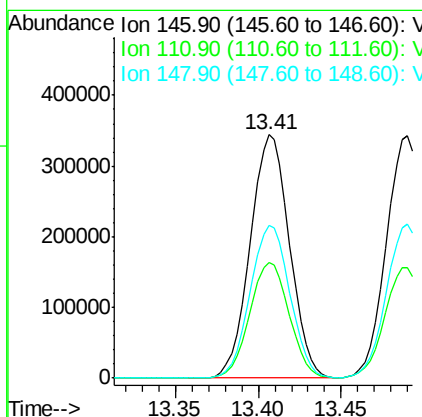
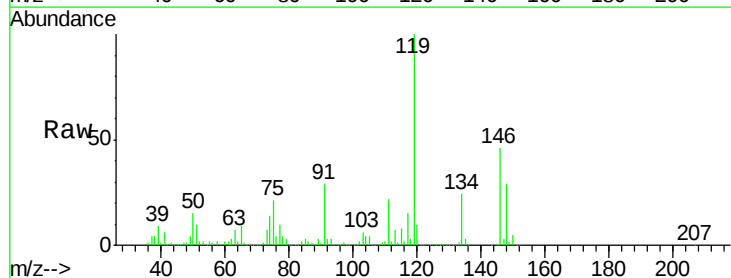
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

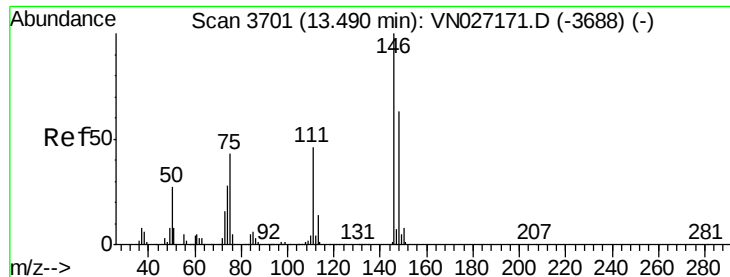
Tgt Ion:119 Resp: 1230334
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.4 37.0
 91 29.3 12.0 36.1



#88
 1,3-Dichlorobenzene
 Concen: 47.30 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion:146 Resp: 567036
 Ion Ratio Lower Upper
 146 100
 111 47.7 21.0 63.0
 148 63.4 31.9 95.9

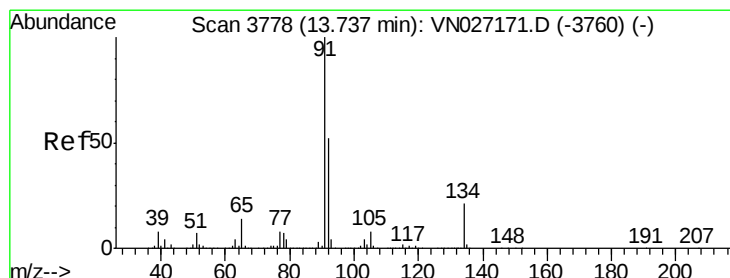
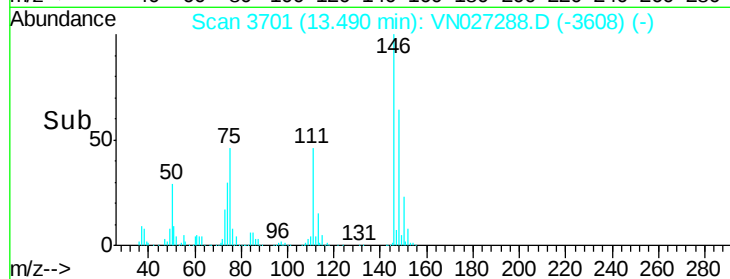
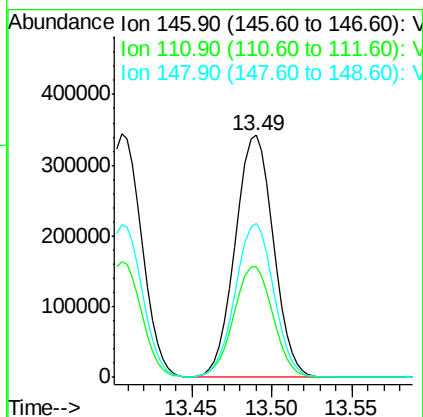
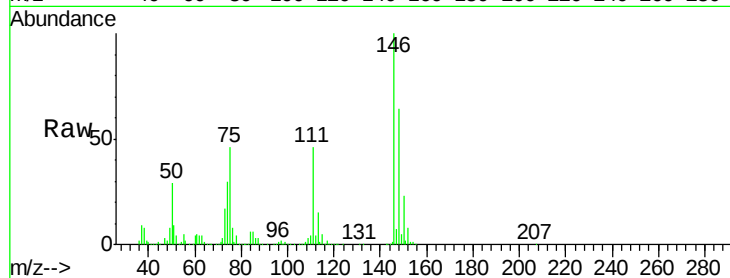




#89
 1,4-Dichlorobenzene
 Concen: 45.89 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

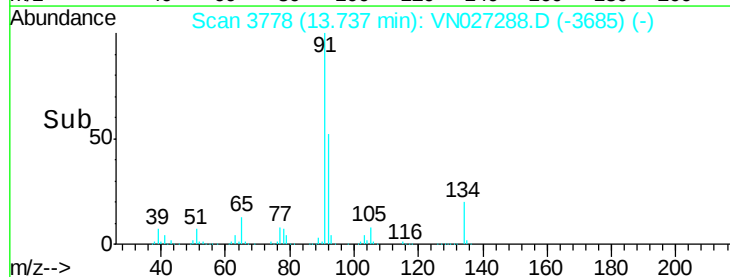
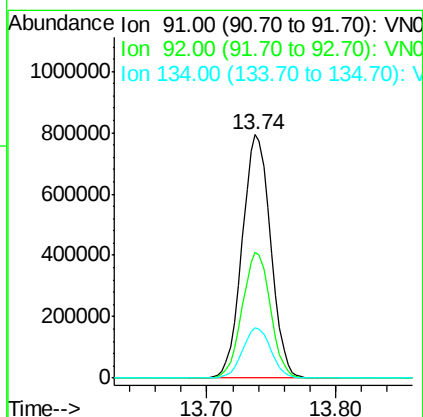
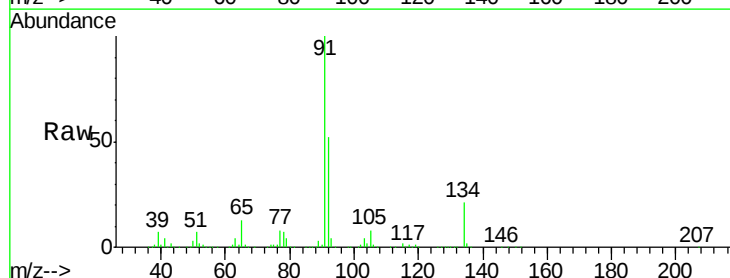
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

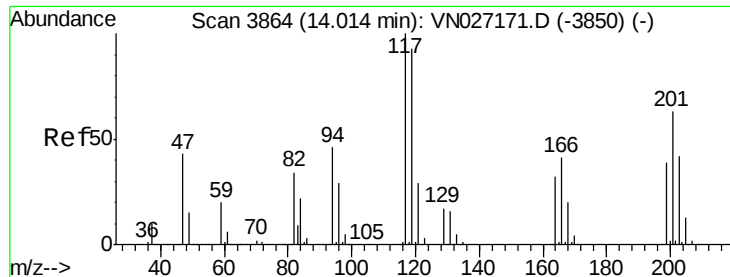
Tgt Ion:146 Resp: 557166
 Ion Ratio Lower Upper
 146 100
 111 46.6 19.9 59.6
 148 64.3 31.7 95.1



#90
 n-Butylbenzene
 Concen: 47.00 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Tgt Ion: 91 Resp: 1218622
 Ion Ratio Lower Upper
 91 100
 92 51.2 26.1 78.2
 134 20.6 11.1 33.1





#91

Hexachloroethane

Concen: 40.89 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

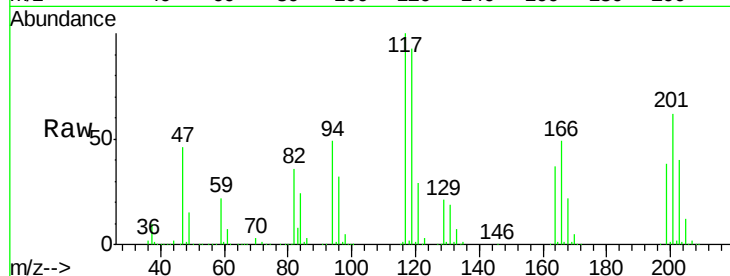
VSTDCCC050EC

Tgt Ion:117 Resp: 239079

Ion Ratio Lower Upper

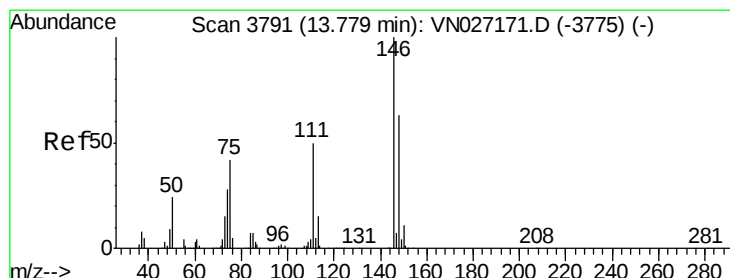
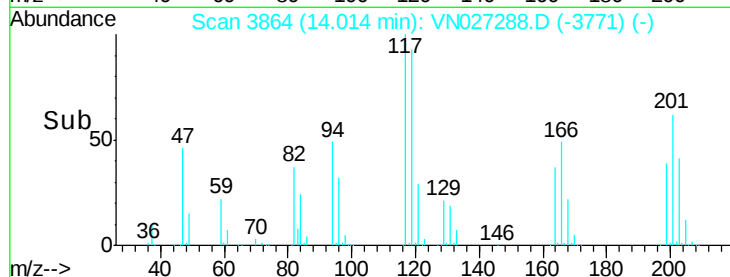
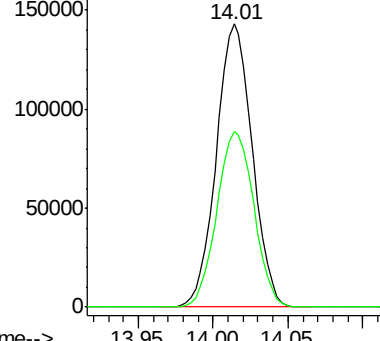
117 100

201 63.9 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: 47.78 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

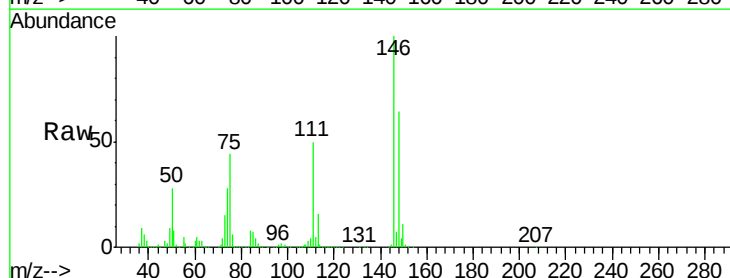
Tgt Ion:146 Resp: 565984

Ion Ratio Lower Upper

146 100

111 50.0 22.1 66.3

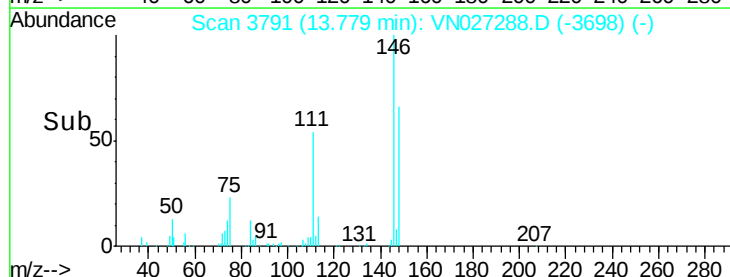
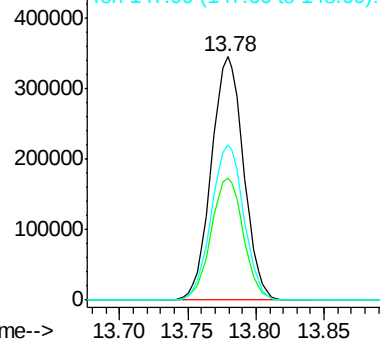
148 64.1 32.0 96.0

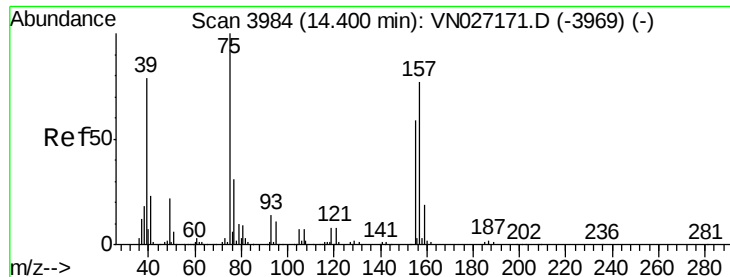


Abundance Ion 145.90 (145.60 to 146.60): V

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: 45.22 ug/l

RT: 14.40 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

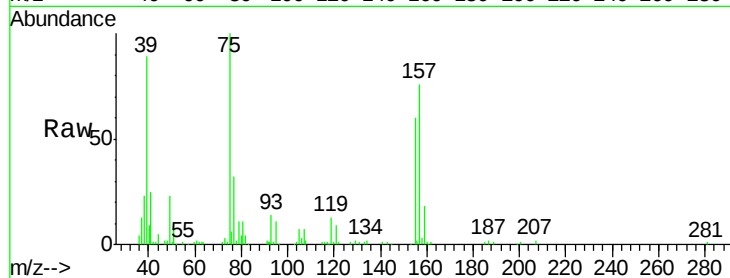
Tgt Ion: 75 Resp: 92531

Ion Ratio Lower Upper

75 100

155 59.2 35.6 106.9

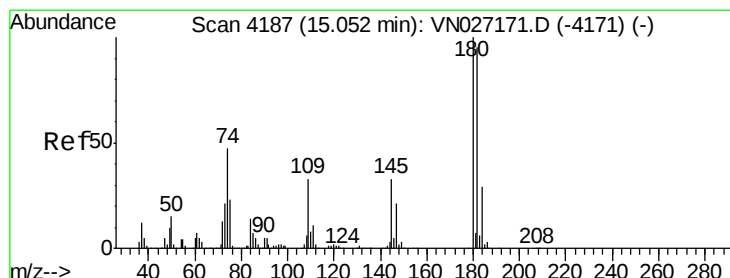
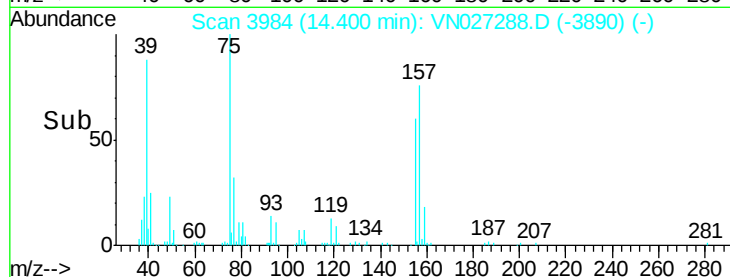
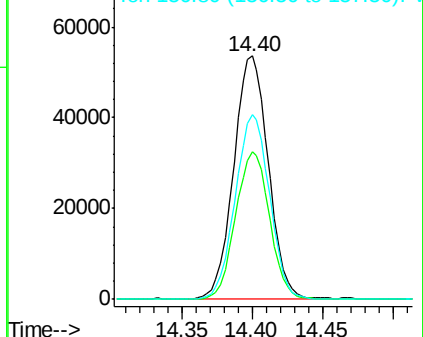
157 75.0 44.6 133.8



Abundance Ion 74.90 (74.60 to 75.60): VN027171.D (-3969) (-)

Ion 154.80 (154.50 to 155.50): VN027171.D (-3969) (-)

Ion 156.80 (156.50 to 157.50): VN027171.D (-3969) (-)



#94

1,2,4-Trichlorobenzene

Concen: 47.99 ug/l

RT: 15.05 min Scan# 4187

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

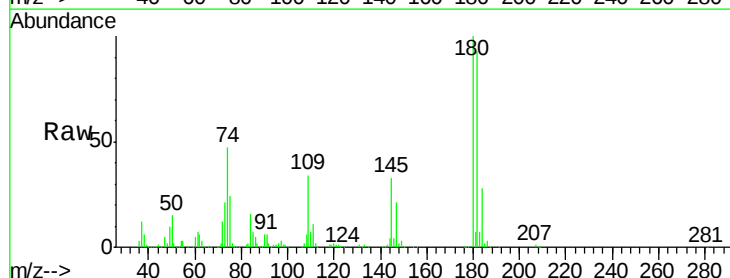
Tgt Ion: 180 Resp: 307107

Ion Ratio Lower Upper

180 100

182 94.4 47.5 142.5

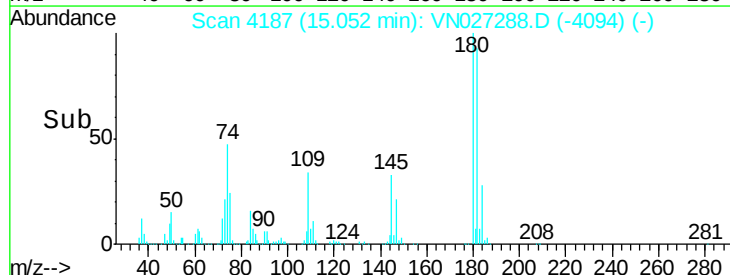
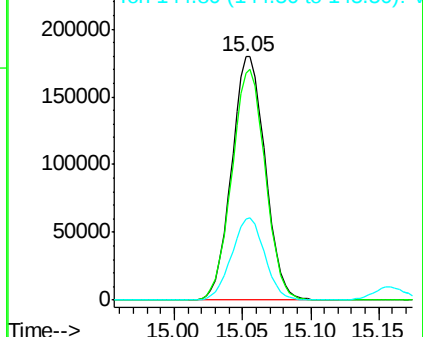
145 33.3 15.1 45.3

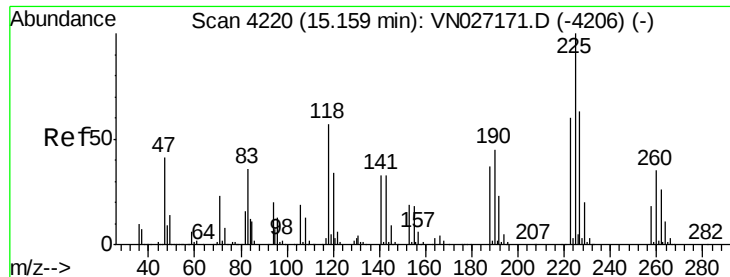


Abundance Ion 179.80 (179.50 to 180.50): VN027171.D (-4171) (-)

Ion 181.80 (181.50 to 182.50): VN027171.D (-4171) (-)

Ion 144.80 (144.50 to 145.50): VN027171.D (-4171) (-)





#95

Hexachlorobutadiene

Concen: 45.22 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

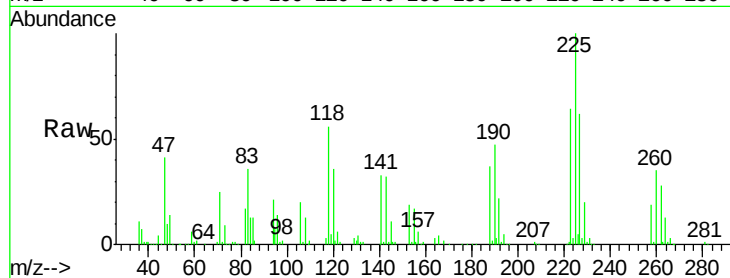
Tgt Ion:225 Resp: 152392

Ion Ratio Lower Upper

225 100

223 63.7 30.8 92.3

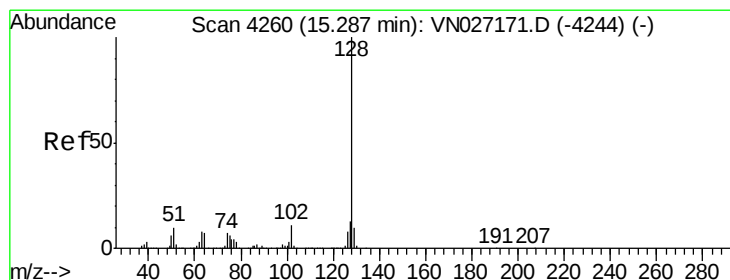
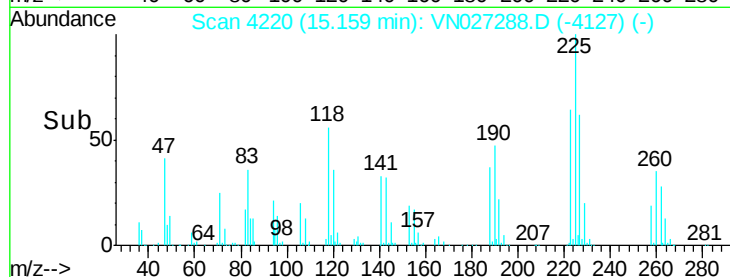
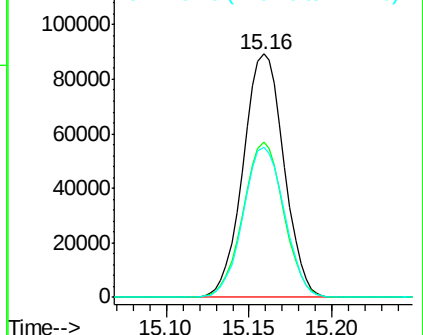
227 62.7 31.7 95.1



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: 47.66 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN027288.D

Acq: 18 Sep 2015 7:18

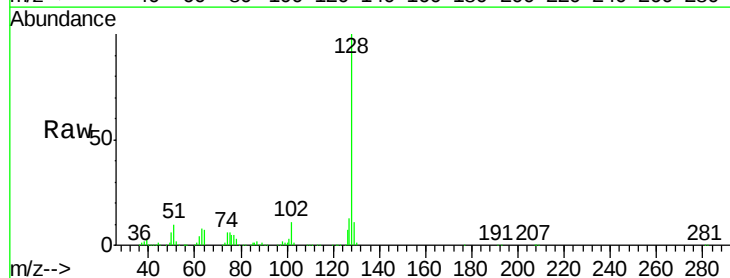
Tgt Ion:128 Resp: 894188

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

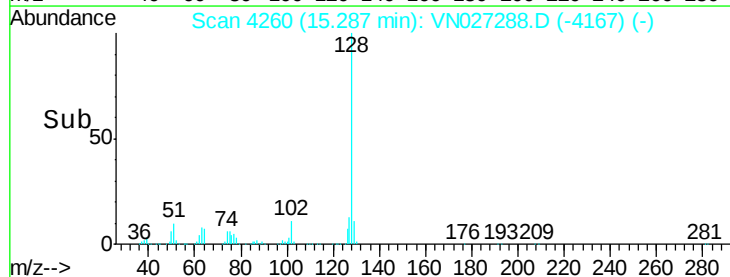
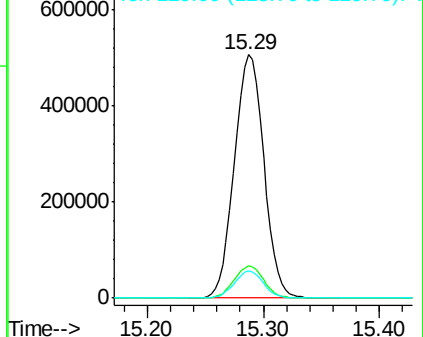
129 10.9 8.6 12.8

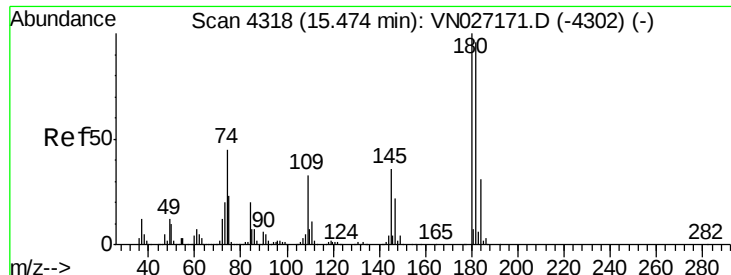


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

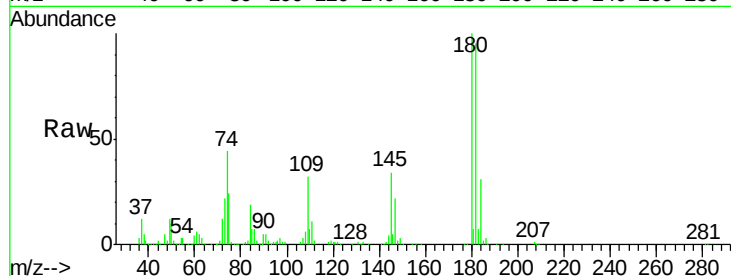




#97
 1,2,3-Trichlorobenzene
 Concen: 49.41 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027288.D
 Acq: 18 Sep 2015 7:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.8	146.4
145	34.3	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

